



Building knowledge

# Job Order Contract Construction Task Catalog®

Book 1 CSI Divisions 01 - 43 September 2022

California State University, Chico



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## About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **California State University, Chico**, priced locally using current labor, material and equipment costs, and published in September 2022.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **California State University, Chico**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

## MasterFormat™

- ☑ The Tasks in this CTC are organized using CSI's *MasterFormat*.



## The Unit Prices Include:

### LABOR COSTS:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security, Medicare taxes, worker's compensation, unemployment insurance, and employee benefits.
- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the Task;

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disposal of excess material; and time for lunch and breaks.

### EQUIPMENT COSTS:

- ☑ Equipment costs include all equipment required to accomplish the Task.
- ☑ Mobilization is included for all equipment except large equipment (e.g. cranes, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

### MATERIAL COSTS:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Material costs for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.

## The Adjustment Factors Include:

The Adjustment Factors include the following costs, unless specifically excluded by the terms of the Contract Documents:

### BUSINESS COSTS:

- ☑ Office overhead, including, but not limited to, office space, office equipment, office and management personnel, office supplies, and employee transportation.

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- Insurance and bonding.
- Profit.
- Job Order development services, Owner meetings, and other administrative services required by the Contract Documents.
- Subcontractor's overhead and profit.
- Cost of financing the work.
- Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

PROJECT RELATED COSTS:

- Project trailer, equipment and supplies, and portable toilets for Contractor's use.
- Project management and project supervision.
- Services required to complete project filings and obtain permits.
- Preparation and modification of sketches, drawings, submittals, as-built drawings, project photographs and other project records.
- Incidental engineering and architectural services.
- Gang boxes and storage containers for Contractor's tools, equipment and materials.
- Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- Meeting Owner's security requirements.
- All taxes for which a waiver is not available including material sales tax and equipment rental.
- Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, furnishings fastened to the wall or floor, safes and other furniture requiring disassembly).
- Sealing windows, doors and other openings with plastic to contain construction dust and debris within the work area, or to protect existing surfaces.

- Working in extreme temperatures (below or above normal) or adverse conditions such as rain, wind, sleet or snow.
- Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- Daily clean-up.
- Final professional clean-up.

PRICE VARIATIONS:

- Contractors may experience direct costs that are different than the unit prices set forth in the CTC. While diligent effort was made to provide accurate, unit prices, it is the Contractor's responsibility to review and analyze the unit prices, and to calculate, prior to bidding, the Adjustment Factors accordingly.

SUMMARY:

- This list is not exhaustive and is intended to provide general examples of costs to be included in the Contractor's Adjustment Factors.
- The only compensation to be paid to the Contractor for Tasks will be:
 

<b>Unit Price</b>	<b>X</b>	<b>Quantity</b>	<b>X</b>	<b>Adjustment Factor</b>
-------------------	----------	-----------------	----------	------------------------------
- No additional payments of any kind whatsoever will be made.
- All costs in excess of the unit prices, must be included in the Adjustment Factors.

**General Rules:**

- Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the Task as described in the CTC.
- All labor, material, equipment, spare parts, and documents required by a Technical Specification



shall be considered included in the unit price, unless the Task description states otherwise.

- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 stories, the Contractor will be paid for such crane or lifting equipment as a separate Task.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or for relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the Task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, roof flashing, pitch pockets, skylights, roof curbs, exterior trim, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibrating, balancing, start-up services and the like required to ensure proper installation, construction and performance of the work (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing of water lines, etc.). Contractor may be paid for testing, calibrating, balancing, start-up services and the like for Owner supplied materials and equipment, or when working on or tying into existing materials and equipment.
- ☑ For the purpose of calculating the quantity of a Task, quantities are calculated on a per project basis. The quantity so determined shall be used for the Task and all appropriate modifiers, unless the Task states otherwise.
- ☑ Whenever there are alternative Tasks that may be selected to complete work, the Contractor shall select the most practical and economical Tasks available (e.g. rental of equipment by weeks or months rather than days, or painting by roller or spray rather than brush).

## DEMOLITION:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 stories into a truck, dumpster, or to an Owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition Task, unless the component must be demolished separately to accomplish the work (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the work; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

## WORKING HEIGHT:

- ☑ Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- ☑ Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

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FIELD ENGINEERING:

- ☑ Surveying Tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the Owner provides horizontal and vertical control points within or adjacent to the project site, all other surveying required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate Tasks.

ASSEMBLIES:

- ☑ Assembly Tasks take precedence over individual component Tasks.

RESTRICTED AND CONFINED SPACES:

- ☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories Tasks and for certain electrical conduit and conduit accessories Tasks. Only those Tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated Tasks. A Non-Prepriced Task will not be allowed because of Restricted Working Space for any Task.
- ☑ The Code of Federal Regulations (29 CFR part 1926, Subpart AA) define confined spaces and permit-required confined spaces for construction and set forth requirements, procedures and safety precautions for working in such spaces. If the Contractor must work in a confined space or a permit-required confined space and must provide ventilation equipment, air monitoring equipment and services, entry attendants, entry supervisors, site-specific training for workers, or other equipment and

services required by the regulations, then the Contractor shall be paid for such equipment, services and training. Those costs shall not be included in the Adjustment Factors.

Or Equals:

- ☑ Whenever material, products, or equipment is identified in the CTC, or in the Technical Specifications, by reference to a manufacturer's name, make or model number, the identification is intended to establish a standard. Any material, product, or equipment of another manufacturer may be considered an or-equal provided that, in the opinion of the Owner, the material, product, or equipment so proposed is of equal quality, substance and function to the named item. The Contractor shall not install any proposed material, product, or equipment without the prior written approval of the Owner. The burden of proof, and all costs related thereto, concerning whether the proposed material, product, or equipment is an or-equal, shall be borne by the Contractor.

Useful Information:

UNIT OF MEASURE DEFINITIONS:

**ACR** – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose (Excavated) Cubic Yards, **LF** - Linear Foot, **LFD**

- Linear Feet Per Day, **LIT** – Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

Clay	3220	2150	3570
Gneiss	4550	2720	3180

**BULK FACTORS FOR DEMOLITION:**

- The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.
  - **Asphalt** = 1.25
  - **Concrete** = 1.40

**CONVERSIONS:**

- 1 Acre** = 43,560 Square Feet = 4046.8 Square Meters
- 1 Board Foot** = 12" x 12" x 1" = 144 Cubic Inches
- 1 Centimeter** = 0.3937 Inches = 0.0328 Feet
- 1 Cubic Foot** = 0.03704 Cubic Yards = 0.02832 Cubic Meters
- 1 Cubic Meter** = 1.3080 Cubic Yards = 35.3147 Cubic Feet
- 1 Cubic Yard** = 27 Cubic Feet = 0.7646 Cubic Meters
- 1 Foot** = 12 Inches = 0.3048 Meters
- 1 Inch** = 2.54 Centimeters = 0.0254 Meters
- 1 Kilogram** = 2.2046 Pounds
- 1 Kilometer** = 0.6214 Miles = 3280 Feet
- 1 Meter** = 100 Centimeters = 3.2808 Feet
- 1 Mile** = 5280 Feet = 1.6093 Kilometers
- 1 Pound** = 0.4536 Kilograms
- 1 Square Foot** = 144 Square Inches = .0929 Square Meters
- 1 Square Meter** = 1.1960 Square Yards = 10.7639 Square Feet
- 1 Square Yard** = 9 Square Feet = 0.8361 Square Meters

**MATERIAL WEIGHTS:**

**EARTHEN MATERIAL**

- The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

Material	Material Weight (Lbs Per CY)		
	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640

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**1 Ton =** 2000 Pounds = 907.185 Kilograms

**1 Yard =** 3 Feet = 0.9144 Meters

## TRADEMARKS

- ☑ Job Order Contracting Advanced, Job Order Contracting Complete, Job Order Contracting Complete Management, PROGEN, eGordian, eziQC, Construction Task Catalog, Catalog of Construction Tasks, and DMAP are either registered trademarks or trademarks of The Gordian Group, Inc. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

## STANDARD GEOMETRY:

### Circle

- Circumference =  $2 \pi \text{ radius} = \pi \text{ diameter}$
- Area =  $\pi \text{ radius}^2 = \pi (\text{diameter}^2 / 4)$

### Cylinder

- Volume =  $(\pi \text{ radius}^2) \text{ height}$
- Surface Area =  $2 \pi \text{ radius}^2 + (2 \pi \text{ radius}) \text{ height}$

### Sphere

- Volume =  $(4 \pi \text{ radius}^3) / 3$
- Surface Area =  $4 \pi \text{ radius}^2$

**$\pi = 3.14159$**

### United Inch

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

## 01 General Requirements

### 01 20 Price and Payment Procedures <sup>(01)</sup>

#### 01 22 Unit Prices <sup>(01 20)</sup>

##### 01 22 16 Unit Price Payment <sup>(01 22)</sup>

##### 01 22 16 00-0001 Reimbursable Fees <sup>(01 22 16)</sup>

Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, expedited shipping costs, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

01 22 16 00-0002 EA Reimbursable Fees..... 1.00

Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.

##### 01 22 20 Wage Rates <sup>(01 22)</sup>

##### 01 22 20 00-0001 Local Labor/Wage Rates <sup>(01 22 20)</sup>

Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.

01 22 20 00-0002 HR Asbestos Removal Worker ..... 69.46

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 3.47

For Apprentice, Deduct -13.89

01 22 20 00-0003 HR Insulator ..... 106.06

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 5.30

For Apprentice, Deduct -21.21

01 22 20 00-0004 HR Boilermaker ..... 100.42

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 5.02

For Apprentice, Deduct -20.08

01 22 20 00-0005 HR Brick Layer ..... 95.94

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 4.80

For Apprentice, Deduct -19.19

01 22 20 00-0006 HR Carpenter ..... 107.70

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 5.39

For Apprentice, Deduct -21.54

01 22 20 00-0007 HR Carpet, Linoleum ..... 91.40

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 4.57

For Apprentice, Deduct -18.28

01 22 20 00-0008 HR Cement Mason ..... 85.56

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 4.28

For Apprentice, Deduct -17.11

01 22 20 00-0009 HR Drywall Finisher ..... 101.96

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 5.10

For Apprentice, Deduct -20.39

01 22 20 00-0010 HR Electrician ..... 95.27

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 4.76

For Apprentice, Deduct -19.05

01 22 20 00-0011 HR Equipment Operator, Heavy (Crane) ..... 106.17

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 5.31

For Apprentice, Deduct -21.23

01 22 20 00-0012 HR Equipment Operator, Medium (Bulldozer) ..... 103.39

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 5.17

For Apprentice, Deduct -20.68

01 22 20 00-0013 HR Equipment Operator, Light (Backhoe, Skid-Steer Loader) ..... 98.12

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 4.91

For Apprentice, Deduct -19.62

01 22 20 00-0014 HR Glazier ..... 94.70

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 4.74

For Apprentice, Deduct -18.94

01 22 20 00-0015 HR Laborer ..... 78.73

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 3.94

For Apprentice, Deduct -15.75

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0016	HR		Lather.....	102.16	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.11	
			For Apprentice, Deduct	-20.43	
01 22 20 00-0017	HR		Marble Setter.....	112.76	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.64	
			For Apprentice, Deduct	-22.55	
01 22 20 00-0018	HR		Millwright.....	104.01	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.20	
			For Apprentice, Deduct	-20.80	
01 22 20 00-0019	HR		Painter, Ordinary.....	75.48	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	3.77	
			For Apprentice, Deduct	-15.10	
01 22 20 00-0020	HR		Painter, Structural Steel.....	79.54	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	3.98	
			For Apprentice, Deduct	-15.91	
01 22 20 00-0021	HR		Paperhanger.....	75.48	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	3.77	
			For Apprentice, Deduct	-15.10	
01 22 20 00-0022	HR		Pile Drivers.....	124.17	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	6.21	
			For Apprentice, Deduct	-24.83	
01 22 20 00-0023	HR		Plasterer.....	101.84	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.09	
			For Apprentice, Deduct	-20.37	
01 22 20 00-0024	HR		Plumber.....	103.31	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.17	
			For Apprentice, Deduct	-20.66	
01 22 20 00-0025	HR		Powderman.....	82.78	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	4.14	
			For Apprentice, Deduct	-16.56	
01 22 20 00-0026	HR		Rodman (Reinforcing)/Ornamental Steel Worker.....	100.06	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.00	
			For Apprentice, Deduct	-20.01	
01 22 20 00-0027	HR		Rofer, Composite.....	97.18	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	4.86	
			For Apprentice, Deduct	-19.44	
01 22 20 00-0028	HR		Rofer, Tile/Slate.....	97.18	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	4.86	
			For Apprentice, Deduct	-19.44	
01 22 20 00-0029	HR		Sheet Metal Worker.....	111.64	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.58	
			For Apprentice, Deduct	-22.33	
01 22 20 00-0030	HR		Sprinkler Installer.....	85.73	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	4.29	
			For Apprentice, Deduct	-17.15	
01 22 20 00-0031	HR		Steam / Pipe Fitter.....	103.31	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.17	
			For Apprentice, Deduct	-20.66	
01 22 20 00-0032	HR		Stone Mason.....	95.94	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	4.80	
			For Apprentice, Deduct	-19.19	
01 22 20 00-0033	HR		Structural Steel Worker.....	102.27	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.11	
			For Apprentice, Deduct	-20.45	
01 22 20 00-0034	HR		Tile Layer.....	88.14	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	4.41	
			For Apprentice, Deduct	-17.63	
01 22 20 00-0035	HR		Terrazzo Worker.....	101.18	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.06	
			For Apprentice, Deduct	-20.24	
01 22 20 00-0036	HR		Truck Driver, Light.....	83.85	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	4.19	
			For Apprentice, Deduct	-16.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0037 HR Truck Driver, Heavy.....	84.71	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	4.24	
For Apprentice, Deduct	-16.94	
01 22 20 00-0038 HR Welder.....	102.27	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.11	
For Apprentice, Deduct	-20.45	
<b>01 22 20 00-0039 Rates For Services (01 22 20)</b>		
01 22 20 00-0040 HR Watch/Guard Person, Unarmed.....	30.20	
01 22 20 00-0041 HR Watch/Guard Person, Armed.....	37.22	
01 22 20 00-0042 HR Senior Surveyor (Party Chief).....	113.31	
01 22 20 00-0043 HR Surveyor (Instrument person).....	107.81	
01 22 20 00-0044 HR Surveyor (Rod Person).....	103.40	
01 22 20 00-0045 HR On-Site Certified Materials Testing Technician.....	82.50	
01 22 20 00-0046 HR Certified Industrial Hygienist.....	111.40	
01 22 20 00-0047 MI Mileage For Professional Services (Engineering, Surveying, Etcetera).....	0.56	
Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0048 HR Fire Watch Laborer.....	78.73	
Note: Fire watchers shall be required whenever welding or cutting is performed in locations where other than a minor fire might develop, or any of the following conditions exist: (1) Appreciable combustible material, in building construction or contents, closer than 35 feet (10.7 m) to the point of operation. (2) Appreciable combustibles are more than 35 feet (10.7 m) away but are easily ignited by sparks. (3) Wall or floor openings within a 35-foot (10.7 m) radius expose combustible material in adjacent areas including concealed spaces in walls or floors. (4) Combustible materials are adjacent to the opposite side of metal partitions, walls, ceilings, or roofs and are likely to be ignited by conduction or radiation.		
<b>01 22 20 00-0049 Rates For Project Management Services (01 22 20)</b>		
01 22 20 00-0050 HR Project Manager.....	151.80	
<b>01 22 20 00-0051 Rates For Architectural And Engineering Services (01 22 20)</b>		
Note: For preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0052 HR Principal Architect.....	212.52	
01 22 20 00-0053 HR Senior Architect.....	187.22	
01 22 20 00-0054 HR Architect.....	142.94	
01 22 20 00-0055 HR Principal Engineer.....	212.52	
01 22 20 00-0056 HR Senior Engineer.....	161.92	
01 22 20 00-0057 HR Engineer.....	129.03	
01 22 20 00-0058 HR Draft Person.....	76.53	
<b>01 22 20 00-0059 Rates For Traffic Control (01 22 20)</b>		
01 22 20 00-0060 DAY Pilot Vehicle With Driver.....	992.70	
Note: Includes radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.		
01 22 20 00-0061 HR Flagperson For Traffic Control.....	78.73	
<b>01 22 20 00-0062 Mobilize Equipment (01 22 20)</b>		
01 22 20 00-0063 HR Escort Vehicle With Driver.....	90.36	
01 22 20 00-0064 HR Transport Vehicle With Driver.....	129.39	
<b>01 22 23 Equipment Usage (01 22)</b>		
Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. See CSI section 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.		
<b>01 22 23 00-0001 Aerial Equipment (01 22 23)</b>		
<b>01 22 23 00-0002 Man Lifts (01 22 23 00-0001)</b>		
Note: Excludes operator, delivery, set-up, and removal.		
<b>01 22 23 00-0003 Telescoping Boom Man Lifts With Platform (01 22 23 00-0002)</b>		
<b>01 22 23 00-0004 Engine Powered, Telescoping Boom Man Lifts With Platform (01 22 23 00-0003)</b>		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0005 DAY 40' Engine Powered, Telescoping Boom Man Lift With Platform.....	448.07	
For Four-Wheel Drive, Add	100.82	
01 22 23 00-0006 WK 40' Engine Powered, Telescoping Boom Man Lift With Platform.....	1,127.41	
For Four-Wheel Drive, Add	253.67	
01 22 23 00-0007 MO 40' Engine Powered, Telescoping Boom Man Lift With Platform.....	2,529.45	
For Four-Wheel Drive, Add	569.13	
01 22 23 00-0008 DAY 60' Engine Powered, Telescoping Boom Man Lift With Platform.....	657.66	
For Four-Wheel Drive, Add	147.97	
01 22 23 00-0009 WK 60' Engine Powered, Telescoping Boom Man Lift With Platform.....	1,568.26	
For Four-Wheel Drive, Add	352.86	
01 22 23 00-0010 MO 60' Engine Powered, Telescoping Boom Man Lift With Platform.....	3,432.82	
For Four-Wheel Drive, Add	772.38	





MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-0011	DAY 80' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	1,279.18 287.82
01 22 23 00-0012	WK 80' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	3,100.38 697.59
01 22 23 00-0013	MO 80' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	6,504.30 1,463.47
01 22 23 00-0014	DAY 110' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	1,821.20 409.77
01 22 23 00-0015	WK 110' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	4,385.34 986.70
01 22 23 00-0016	MO 110' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	10,927.22 2,458.62
01 22 23 00-0017	DAY 120' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	2,218.69 499.21
01 22 23 00-0018	WK 120' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	5,658.74 1,273.22
01 22 23 00-0019	MO 120' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	12,864.06 2,894.41

**01 22 23 00-0020** Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0002)

**01 22 23 00-0021** Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0020)

Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0022	DAY 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	403.86
01 22 23 00-0023	WK 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,013.33
01 22 23 00-0024	MO 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,437.88
01 22 23 00-0025	DAY 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	514.01
01 22 23 00-0026	WK 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,123.48
01 22 23 00-0027	MO 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,788.87
01 22 23 00-0028	DAY 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	660.87
01 22 23 00-0029	WK 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,527.34
01 22 23 00-0030	MO 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,414.50
01 22 23 00-0031	DAY 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,152.85
01 22 23 00-0032	WK 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,716.91
01 22 23 00-0033	MO 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	6,607.23
01 22 23 00-0034	DAY 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,239.62
01 22 23 00-0035	WK 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	5,286.96
01 22 23 00-0036	MO 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	12,923.68

**01 22 23 00-0037** Electric, Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0020)

Note: For use on paved surfaces.

01 22 23 00-0038	DAY 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	403.86
01 22 23 00-0039	WK 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,013.33
01 22 23 00-0040	MO 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,437.88
01 22 23 00-0041	DAY 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	403.86
01 22 23 00-0042	WK 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,013.33
01 22 23 00-0043	MO 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,437.88
01 22 23 00-0044	DAY 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	499.32
01 22 23 00-0045	WK 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,079.42
01 22 23 00-0046	MO 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,680.20
01 22 23 00-0047	DAY 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	499.32
01 22 23 00-0048	WK 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,079.42
01 22 23 00-0049	MO 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,680.20

**01 22 23 00-0050** Platform Lifts (01 22 23 00-0001)

Note: Excludes operator, delivery, set-up, and removal.

**01 22 23 00-0051** Electric, Scissor Platform Lifts (01 22 23 00-0050)

Note: For use on paved surfaces.

01 22 23 00-0052	DAY 17' Electric, Scissor Platform Lift	161.10
01 22 23 00-0053	WK 17' Electric, Scissor Platform Lift	322.19
01 22 23 00-0054	MO 17' Electric, Scissor Platform Lift	659.02
01 22 23 00-0055	DAY 20' Electric, Scissor Platform Lift	175.74
01 22 23 00-0056	WK 20' Electric, Scissor Platform Lift	351.48
01 22 23 00-0057	MO 20' Electric, Scissor Platform Lift	702.96
01 22 23 00-0058	DAY 25' Electric, Scissor Platform Lift	227.00
01 22 23 00-0059	WK 25' Electric, Scissor Platform Lift	454.00
01 22 23 00-0060	MO 25' Electric, Scissor Platform Lift	973.89
01 22 23 00-0061	DAY 30' Electric, Scissor Platform Lift	292.90
01 22 23 00-0062	WK 30' Electric, Scissor Platform Lift	578.48
01 22 23 00-0063	MO 30' Electric, Scissor Platform Lift	1,281.44
01 22 23 00-0064	DAY 33' Electric, Scissor Platform Lift	314.87
01 22 23 00-0065	WK 33' Electric, Scissor Platform Lift	615.09
01 22 23 00-0066	MO 33' Electric, Scissor Platform Lift	1,391.28
01 22 23 00-0067	DAY 40' Electric, Scissor Platform Lift	410.06
01 22 23 00-0068	WK 40' Electric, Scissor Platform Lift	1,017.83
01 22 23 00-0069	MO 40' Electric, Scissor Platform Lift	2,833.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>01 22 23 00-0070</b>		<b>Engine Powered, Scissor Platform Lifts</b> <small>(01 22 23 00-0050)</small>	
<small>Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.</small>			
01 22 23 00-0071	DAY 25' Engine Powered, Scissor Platform Lift	414.52	
	<i>For Four-Wheel Drive, Add</i>	82.90	
01 22 23 00-0072	WK 25' Engine Powered, Scissor Platform Lift	810.61	
	<i>For Four-Wheel Drive, Add</i>	162.12	
01 22 23 00-0073	MO 25' Engine Powered, Scissor Platform Lift	1,980.47	
	<i>For Four-Wheel Drive, Add</i>	396.09	
01 22 23 00-0074	DAY 33' Engine Powered, Scissor Platform Lift	423.73	
	<i>For Four-Wheel Drive, Add</i>	84.75	
01 22 23 00-0075	WK 33' Engine Powered, Scissor Platform Lift	967.21	
	<i>For Four-Wheel Drive, Add</i>	193.44	
01 22 23 00-0076	MO 33' Engine Powered, Scissor Platform Lift	2,118.64	
	<i>For Four-Wheel Drive, Add</i>	423.73	
01 22 23 00-0077	DAY 40' Engine Powered, Scissor Platform Lift	469.79	
	<i>For Four-Wheel Drive, Add</i>	93.96	
01 22 23 00-0078	WK 40' Engine Powered, Scissor Platform Lift	1,077.75	
	<i>For Four-Wheel Drive, Add</i>	215.55	
01 22 23 00-0079	MO 40' Engine Powered, Scissor Platform Lift	2,394.99	
	<i>For Four-Wheel Drive, Add</i>	479.00	
01 22 23 00-0080	DAY 43' Engine Powered, Scissor Platform Lift	497.42	
	<i>For Four-Wheel Drive, Add</i>	99.48	
01 22 23 00-0081	WK 43' Engine Powered, Scissor Platform Lift	1,160.65	
	<i>For Four-Wheel Drive, Add</i>	232.13	
01 22 23 00-0082	MO 43' Engine Powered, Scissor Platform Lift	2,855.56	
	<i>For Four-Wheel Drive, Add</i>	571.11	
01 22 23 00-0083	DAY 50' Engine Powered, Scissor Platform Lift	930.36	
	<i>For Four-Wheel Drive, Add</i>	186.07	
01 22 23 00-0084	WK 50' Engine Powered, Scissor Platform Lift	2,044.95	
	<i>For Four-Wheel Drive, Add</i>	408.99	
01 22 23 00-0085	MO 50' Engine Powered, Scissor Platform Lift	5,029.48	
	<i>For Four-Wheel Drive, Add</i>	1,005.90	

<b>01 22 23 00-0086</b>		<b>Personnel Lifts</b> <small>(01 22 23 00-0001)</small>	
<small>Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.</small>			
01 22 23 00-0087	DAY 24', Push-Type, Electric Single Man Personnel Lift	152.40	
01 22 23 00-0088	WK 24', Push-Type, Electric Single Man Personnel Lift	431.79	
01 22 23 00-0089	MO 24', Push-Type, Electric Single Man Personnel Lift	872.05	
01 22 23 00-0090	DAY 30', Push-Type, Electric Single Man Personnel Lift	211.66	
01 22 23 00-0091	WK 30', Push-Type, Electric Single Man Personnel Lift	448.72	
01 22 23 00-0092	MO 30', Push-Type, Electric Single Man Personnel Lift	1,523.97	
01 22 23 00-0093	DAY 36', Push-Type, Electric Single Man Personnel Lift	355.59	
01 22 23 00-0094	WK 36', Push-Type, Electric Single Man Personnel Lift	863.58	
01 22 23 00-0095	MO 36', Push-Type, Electric Single Man Personnel Lift	2,523.02	
01 22 23 00-0096	DAY 40', Push-Type, Electric Single Man Personnel Lift	380.99	
01 22 23 00-0097	WK 40', Push-Type, Electric Single Man Personnel Lift	948.25	
01 22 23 00-0098	MO 40', Push-Type, Electric Single Man Personnel Lift	2,853.21	
01 22 23 00-0099	DAY 15', Self-Propelled, Electric Single Man Personnel Lift	203.20	
01 22 23 00-0100	WK 15', Self-Propelled, Electric Single Man Personnel Lift	406.39	
01 22 23 00-0101	MO 15', Self-Propelled, Electric Single Man Personnel Lift	812.78	
01 22 23 00-0102	DAY 20', Self-Propelled, Electric Single Man Personnel Lift	203.20	
01 22 23 00-0103	WK 20', Self-Propelled, Electric Single Man Personnel Lift	406.39	
01 22 23 00-0104	MO 20', Self-Propelled, Electric Single Man Personnel Lift	844.96	

<b>01 22 23 00-0105</b>		<b>Bucket Trucks</b> <small>(01 22 23 00-0001)</small>	
<small>Note: Includes full-time operator, delivery, and removal.</small>			
01 22 23 00-0106	DAY 29' Bucket Truck With Full-Time Operator	1,262.06	
	<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-0107	WK 29' Bucket Truck With Full-Time Operator	5,141.53	
	<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-0108	MO 29' Bucket Truck With Full-Time Operator	19,145.62	
	<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
01 22 23 00-0109	DAY 38' Bucket Truck With Full-Time Operator	1,336.43	
	<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-0110	WK 38' Bucket Truck With Full-Time Operator	5,380.60	
	<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-0111	MO 38' Bucket Truck With Full-Time Operator	19,783.12	
	<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
01 22 23 00-0112	DAY 48' Bucket Truck With Full-Time Operator	1,527.68	
	<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-0113	WK 48' Bucket Truck With Full-Time Operator	5,725.91	
	<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-0114	MO 48' Bucket Truck With Full-Time Operator	20,526.87	
	<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
01 22 23 00-0115	DAY 62' Bucket Truck With Full-Time Operator	1,952.68	
	<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-0116	WK 62' Bucket Truck With Full-Time Operator	7,107.16	
	<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-0117	MO 62' Bucket Truck With Full-Time Operator	24,245.62	
	<i>For Equipment Without Operator, Deduct</i>	-14,683.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0118 DAY 85' Bucket Truck With Full-Time Operator .....	2,165.18	
For Equipment Without Operator, Deduct	-677.68	
01 22 23 00-0119 WK 85' Bucket Truck With Full-Time Operator .....	7,850.91	
For Equipment Without Operator, Deduct	-3,388.41	
01 22 23 00-0120 MO 85' Bucket Truck With Full-Time Operator .....	26,901.87	
For Equipment Without Operator, Deduct	-14,683.12	
01 22 23 00-0121 Day 105' Bucket Truck With Full-Time Operator .....	2,271.43	
For Equipment Without Operator, Deduct	-677.68	
01 22 23 00-0122 WK 105' Bucket Truck With Full-Time Operator .....	8,169.66	
For Equipment Without Operator, Deduct	-3,388.41	
01 22 23 00-0123 MO 105' Bucket Truck With Full-Time Operator .....	27,156.87	
For Equipment Without Operator, Deduct	-14,683.12	
<b>01 22 23 00-0124 Air Equipment</b> (01 22 23)		
<b>01 22 23 00-0125 Air Compressors</b> (01 22 23 00-0124)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0126 DAY 100 CFM Diesel Powered Portable Air Compressor .....	168.02	
01 22 23 00-0127 WK 100 CFM Diesel Powered Portable Air Compressor .....	504.07	
01 22 23 00-0128 MO 100 CFM Diesel Powered Portable Air Compressor .....	1,400.19	
01 22 23 00-0129 DAY 130 CFM Diesel Powered Portable Air Compressor .....	201.63	
01 22 23 00-0130 WK 130 CFM Diesel Powered Portable Air Compressor .....	593.68	
01 22 23 00-0131 MO 130 CFM Diesel Powered Portable Air Compressor .....	1,680.22	
01 22 23 00-0132 DAY 185 CFM Diesel Powered Portable Air Compressor .....	268.84	
01 22 23 00-0133 WK 185 CFM Diesel Powered Portable Air Compressor .....	604.88	
01 22 23 00-0134 MO 185 CFM Diesel Powered Portable Air Compressor .....	1,332.98	
01 22 23 00-0135 DAY 375 CFM Diesel Powered Portable Air Compressor .....	380.85	
01 22 23 00-0136 WK 375 CFM Diesel Powered Portable Air Compressor .....	963.33	
01 22 23 00-0137 MO 375 CFM Diesel Powered Portable Air Compressor .....	2,296.31	
01 22 23 00-0138 DAY 600 CFM Diesel Powered Portable Air Compressor .....	846.83	
01 22 23 00-0139 WK 600 CFM Diesel Powered Portable Air Compressor .....	2,038.67	
01 22 23 00-0140 MO 600 CFM Diesel Powered Portable Air Compressor .....	5,081.00	
01 22 23 00-0141 DAY 750 CFM Diesel Powered Portable Air Compressor .....	1,019.34	
01 22 23 00-0142 WK 750 CFM Diesel Powered Portable Air Compressor .....	2,509.14	
01 22 23 00-0143 MO 750 CFM Diesel Powered Portable Air Compressor .....	6,160.82	
01 22 23 00-0144 DAY 825 CFM Diesel Powered Portable Air Compressor .....	1,019.34	
01 22 23 00-0145 WK 825 CFM Diesel Powered Portable Air Compressor .....	2,509.14	
01 22 23 00-0146 MO 825 CFM Diesel Powered Portable Air Compressor .....	6,160.82	
01 22 23 00-0147 DAY 1,300 CFM Diesel Powered Portable Air Compressor .....	1,187.36	
01 22 23 00-0148 WK 1,300 CFM Diesel Powered Portable Air Compressor .....	2,661.48	
01 22 23 00-0149 MO 1,300 CFM Diesel Powered Portable Air Compressor .....	7,097.27	
01 22 23 00-0150 DAY 1,600 CFM Diesel Powered Portable Air Compressor .....	1,478.60	
01 22 23 00-0151 WK 1,600 CFM Diesel Powered Portable Air Compressor .....	3,326.85	
01 22 23 00-0152 MO 1,600 CFM Diesel Powered Portable Air Compressor .....	8,871.59	
<b>01 22 23 00-0153 Portable Negative Air Machines</b> (01 22 23 00-0124)		
Note: A Negative Air Machine is used in a sealed containment area to filter air and exhaust the filtered air through ducting to a location outside the sealed containment area. Includes delivery to job site and pick-up when complete. Excludes all filters and duct.		
01 22 23 00-0154 DAY Up To 2,000 CFM, Portable Negative Air Machine .....	101.52	
01 22 23 00-0155 WK Up To 2,000 CFM, Portable Negative Air Machine .....	416.97	
01 22 23 00-0156 MO Up To 2,000 CFM, Portable Negative Air Machine .....	1,259.97	
01 22 23 00-0157 EA First Stage Pre-Filter For Portable Negative Air Machines .....	13.88	
01 22 23 00-0158 EA Second Stage Pre-Filter For Portable Negative Air Machines .....	32.73	
01 22 23 00-0159 EA High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines .....	171.63	
01 22 23 00-0160 LF Flexible Exhaust Duct For Portable Negative Air Machines .....	1.38	
<b>01 22 23 00-0161 Portable Air Scrubbers</b> (01 22 23 00-0124)		
Note: A Portable Air Scrubber filters and recirculates the filtered air into the same space and does not use ducting to exhaust the filtered air to a different location. Includes delivery to job site and pick-up when complete. Excludes all filters.		
01 22 23 00-0162 DAY Up To 1,000 CFM, Portable Air Scrubber .....	82.34	
01 22 23 00-0163 WK Up To 1,000 CFM, Portable Air Scrubber .....	342.27	
01 22 23 00-0164 MO Up To 1,000 CFM, Portable Air Scrubber .....	947.46	
01 22 23 00-0165 DAY >1,000 to 2,000 CFM, Portable Air Scrubber .....	104.17	
01 22 23 00-0166 WK >1,000 to 2,000 CFM, Portable Air Scrubber .....	431.56	
01 22 23 00-0167 MO >1,000 to 2,000 CFM, Portable Air Scrubber .....	1,264.93	
01 22 23 00-0168 DAY >2,000 To 5,000 CFM, Portable Air Scrubber .....	133.93	
01 22 23 00-0169 WK >2,000 To 5,000 CFM, Portable Air Scrubber .....	570.46	
01 22 23 00-0170 MO >2,000 To 5,000 CFM, Portable Air Scrubber .....	1,597.28	
01 22 23 00-0171 EA First Stage Pre-Filter For Portable Air Scrubbers .....	19.84	
01 22 23 00-0172 EA Second Stage Pre-Filter For Portable Air Scrubbers .....	27.77	
01 22 23 00-0173 EA High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Air Scrubbers .....	290.68	
<b>01 22 23 00-0174 Compaction And Paving Equipment</b> (01 22 23)		
<b>01 22 23 00-0175 Pavers And Rollers</b> (01 22 23 00-0174)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 22 23 00-0176 Pavers</b> <small>(01 22 23 00-0175)</small>		
01 22 23 00-0177 DAY 10' Wide Paving Machine With Full-Time Operator .....	3,242.08	
<i>For Equipment Without Operator, Deduct</i>	-827.09	
01 22 23 00-0178 WK 10' Wide Paving Machine With Full-Time Operator .....	13,795.42	
<i>For Equipment Without Operator, Deduct</i>	-4,135.44	
01 22 23 00-0179 MO 10' Wide Paving Machine With Full-Time Operator .....	52,420.76	
<i>For Equipment Without Operator, Deduct</i>	-17,920.24	
<b>01 22 23 00-0180 Ride-On Self-Propelled, Rubber Tire Rollers</b> <small>(01 22 23 00-0175)</small>		
01 22 23 00-0181 DAY 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator .....	1,250.09	
<i>For Equipment Without Operator, Deduct</i>	-827.09	
01 22 23 00-0182 WK 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator .....	5,414.82	
<i>For Equipment Without Operator, Deduct</i>	-4,135.44	
01 22 23 00-0183 MO 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator .....	21,393.27	
<i>For Equipment Without Operator, Deduct</i>	-17,920.24	
01 22 23 00-0184 DAY 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator .....	1,413.35	
<i>For Equipment Without Operator, Deduct</i>	-827.09	
01 22 23 00-0185 WK 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator .....	6,628.90	
<i>For Equipment Without Operator, Deduct</i>	-4,135.44	
01 22 23 00-0186 MO 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator .....	23,226.26	
<i>For Equipment Without Operator, Deduct</i>	-17,920.24	
01 22 23 00-0187 DAY 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator .....	1,420.77	
<i>For Equipment Without Operator, Deduct</i>	-827.09	
01 22 23 00-0188 WK 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator .....	6,146.53	
<i>For Equipment Without Operator, Deduct</i>	-4,135.44	
01 22 23 00-0189 MO 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator .....	23,582.46	
<i>For Equipment Without Operator, Deduct</i>	-17,920.24	
<b>01 22 23 00-0190 Ride-On Self-Propelled, Padfoot Rollers</b> <small>(01 22 23 00-0175)</small>		
01 22 23 00-0191 DAY 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,316.88	
<i>For Equipment Without Operator, Deduct</i>	-827.09	
01 22 23 00-0192 WK 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	5,493.48	
<i>For Equipment Without Operator, Deduct</i>	-4,135.44	
01 22 23 00-0193 MO 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	21,845.95	
<i>For Equipment Without Operator, Deduct</i>	-17,920.24	
01 22 23 00-0194 DAY 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,628.56	
<i>For Equipment Without Operator, Deduct</i>	-827.09	
01 22 23 00-0195 WK 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	6,124.27	
<i>For Equipment Without Operator, Deduct</i>	-4,135.44	
01 22 23 00-0196 MO 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	23,834.78	
<i>For Equipment Without Operator, Deduct</i>	-17,920.24	
01 22 23 00-0197 DAY 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,702.77	
<i>For Equipment Without Operator, Deduct</i>	-827.09	
01 22 23 00-0198 WK 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	21,845.95	
<i>For Equipment Without Operator, Deduct</i>	-4,135.44	
01 22 23 00-0199 MO 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	25,140.87	
<i>For Equipment Without Operator, Deduct</i>	-17,920.24	
<b>01 22 23 00-0200 Towed, Padfoot Rollers</b> <small>(01 22 23 00-0175)</small>		
01 22 23 00-0201 DAY 48" Wide, 40" Diameter, Towed Padfoot Roller .....	141.00	
01 22 23 00-0202 WK 48" Wide, 40" Diameter, Towed Padfoot Roller .....	408.16	
01 22 23 00-0203 MO 48" Wide, 40" Diameter, Towed Padfoot Roller .....	1,202.20	
01 22 23 00-0204 DAY 60" Wide, 60" Diameter, Towed Padfoot Roller .....	178.10	
01 22 23 00-0205 WK 60" Wide, 60" Diameter, Towed Padfoot Roller .....	497.21	
01 22 23 00-0206 MO 60" Wide, 60" Diameter, Towed Padfoot Roller .....	2,114.98	
<b>01 22 23 00-0207 Static Rollers</b> <small>(01 22 23 00-0175)</small>		
01 22 23 00-0208 DAY 5 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	1,353.98	
<i>For Equipment Without Operator, Deduct</i>	-827.09	
01 22 23 00-0209 WK 5 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	5,812.59	
<i>For Equipment Without Operator, Deduct</i>	-4,135.44	
01 22 23 00-0210 MO 5 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	22,892.31	
<i>For Equipment Without Operator, Deduct</i>	-17,920.24	
01 22 23 00-0211 DAY 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	1,517.24	
<i>For Equipment Without Operator, Deduct</i>	-827.09	
01 22 23 00-0212 WK 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	6,257.85	
<i>For Equipment Without Operator, Deduct</i>	-4,135.44	
01 22 23 00-0213 MO 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	24,124.20	
<i>For Equipment Without Operator, Deduct</i>	-17,920.24	
<b>01 22 23 00-0214 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers</b> <small>(01 22 23 00-0175)</small>		
01 22 23 00-0215 DAY 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,116.51	
<i>For Equipment Without Operator, Deduct</i>	-827.09	
01 22 23 00-0216 WK 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	4,981.43	
<i>For Equipment Without Operator, Deduct</i>	-4,135.44	
01 22 23 00-0217 MO 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	20,146.54	
<i>For Equipment Without Operator, Deduct</i>	-17,920.24	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0218	DAY 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,227.82	
	<i>For Equipment Without Operator, Deduct</i>	-827.09	
01 22 23 00-0219	WK 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	5,315.38	
	<i>For Equipment Without Operator, Deduct</i>	-4,135.44	
01 22 23 00-0220	MO 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	21,037.06	
	<i>For Equipment Without Operator, Deduct</i>	-17,920.24	
01 22 23 00-0221	DAY 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,302.03	
	<i>For Equipment Without Operator, Deduct</i>	-827.09	
01 22 23 00-0222	WK 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	5,538.01	
	<i>For Equipment Without Operator, Deduct</i>	-4,135.44	
01 22 23 00-0223	MO 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	21,630.74	
	<i>For Equipment Without Operator, Deduct</i>	-17,920.24	
01 22 23 00-0224	DAY 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,398.51	
	<i>For Equipment Without Operator, Deduct</i>	-827.09	
01 22 23 00-0225	WK 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	5,820.01	
	<i>For Equipment Without Operator, Deduct</i>	-4,135.44	
01 22 23 00-0226	MO 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	22,365.42	
	<i>For Equipment Without Operator, Deduct</i>	-17,920.24	
01 22 23 00-0227	DAY 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,591.45	
	<i>For Equipment Without Operator, Deduct</i>	-827.09	
01 22 23 00-0228	WK 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	6,384.00	
	<i>For Equipment Without Operator, Deduct</i>	-4,135.44	
01 22 23 00-0229	MO 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	23,857.04	
	<i>For Equipment Without Operator, Deduct</i>	-17,920.24	

**01 22 23 00-0230 Steel Roadway Plates** (01 22 23 00-0174)

Note: 3 day minimum. Excludes delivery. See CSI section 01 71 13 00-0001 for material delivery on truck.

01 22 23 00-0231	EA Placement And Removal Of Steel Roadway Plates.....	52.07	
01 22 23 00-0232	DAY 1" x 4' x 8' Steel Plate .....	37.51	
01 22 23 00-0233	WK 1" x 4' x 8' Steel Plate .....	88.56	
01 22 23 00-0234	MO 1" x 4' x 8' Steel Plate .....	116.55	
01 22 23 00-0235	DAY 1" x 4' x 10' Steel Plate .....	50.01	
01 22 23 00-0236	WK 1" x 4' x 10' Steel Plate .....	112.53	
01 22 23 00-0237	MO 1" x 4' x 10' Steel Plate .....	137.53	
01 22 23 00-0238	DAY 1" x 5' x 10' Steel Plate .....	52.10	
01 22 23 00-0239	WK 1" x 5' x 10' Steel Plate .....	117.73	
01 22 23 00-0240	MO 1" x 5' x 10' Steel Plate .....	312.57	
01 22 23 00-0241	DAY 1" x 6' x 8' Steel Plate .....	33.34	
01 22 23 00-0242	WK 1" x 6' x 8' Steel Plate .....	75.02	
01 22 23 00-0243	MO 1" x 6' x 8' Steel Plate .....	200.04	
01 22 23 00-0244	DAY 1" x 6' x 10' Steel Plate .....	62.51	
01 22 23 00-0245	WK 1" x 6' x 10' Steel Plate .....	82.31	
01 22 23 00-0246	MO 1" x 6' x 10' Steel Plate .....	219.84	
01 22 23 00-0247	DAY 1" x 6' x 12' Steel Plate .....	87.52	
01 22 23 00-0248	WK 1" x 6' x 12' Steel Plate .....	112.00	
01 22 23 00-0249	MO 1" x 6' x 12' Steel Plate .....	303.19	
01 22 23 00-0250	DAY 1" x 8' x 10' Steel Plate .....	55.22	
01 22 23 00-0251	WK 1" x 8' x 10' Steel Plate .....	123.99	
01 22 23 00-0252	MO 1" x 8' x 10' Steel Plate .....	330.28	
01 22 23 00-0253	DAY 1" x 8' x 12' Steel Plate .....	100.02	
01 22 23 00-0254	WK 1" x 8' x 12' Steel Plate .....	123.99	
01 22 23 00-0255	MO 1" x 8' x 12' Steel Plate .....	600.13	
01 22 23 00-0256	DAY 1" x 8' x 16' Steel Plate .....	133.36	
01 22 23 00-0257	WK 1" x 8' x 16' Steel Plate .....	300.07	
01 22 23 00-0258	MO 1" x 8' x 16' Steel Plate .....	800.18	
01 22 23 00-0259	LF Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate.....	2.32	0.97
01 22 23 00-0260	EA Removal And Resetting Of Steel Roadway Plate .....	28.93	

**01 22 23 00-0261 Street Sweepers** (01 22 23 00-0174)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0262	DAY 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator .....	985.66	
	<i>For Equipment Without Operator, Deduct</i>	-784.94	
01 22 23 00-0263	WK 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator .....	4,720.10	
	<i>For Equipment Without Operator, Deduct</i>	-3,924.70	
01 22 23 00-0264	MO 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator .....	19,840.88	
	<i>For Equipment Without Operator, Deduct</i>	-17,007.05	
01 22 23 00-0265	DAY Self-Propelled Street Sweeper With Hopper And Full-Time Operator.....	1,706.35	
	Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
	<i>For Equipment Without Operator, Deduct</i>	-784.94	
01 22 23 00-0266	WK Self-Propelled Street Sweeper With Hopper And Full-Time Operator.....	7,615.44	
	Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
	<i>For Equipment Without Operator, Deduct</i>	-3,924.70	
01 22 23 00-0267	MO Self-Propelled Street Sweeper With Hopper And Full-Time Operator.....	30,178.40	
	Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
	<i>For Equipment Without Operator, Deduct</i>	-17,007.05	

**01 22 23 00-0268 Earthmoving Equipment** (01 22 23)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**01 22 23 00-0269**

**Skid-Steer Loaders** (01 22 23 00-0269)

Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.

01 22 23 00-0270	DAY 700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator .....	1,132.04	
	<i>For Equipment Without Operator, Deduct</i>	-784.94	
01 22 23 00-0271	WK 700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator .....	4,835.29	
	<i>For Equipment Without Operator, Deduct</i>	-3,924.70	
01 22 23 00-0272	MO 700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator .....	19,200.02	
	<i>For Equipment Without Operator, Deduct</i>	-17,007.05	
01 22 23 00-0273	DAY 1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator .....	1,223.53	
	<i>For Equipment Without Operator, Deduct</i>	-784.94	
01 22 23 00-0274	WK 1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator .....	5,000.85	
	<i>For Equipment Without Operator, Deduct</i>	-3,924.70	
01 22 23 00-0275	MO 1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator .....	19,563.10	
	<i>For Equipment Without Operator, Deduct</i>	-17,007.05	
01 22 23 00-0276	DAY 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator .....	1,249.68	
	<i>For Equipment Without Operator, Deduct</i>	-784.94	
01 22 23 00-0277	WK 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator .....	5,239.03	
	<i>For Equipment Without Operator, Deduct</i>	-3,924.70	
01 22 23 00-0278	MO 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator .....	20,194.85	
	<i>For Equipment Without Operator, Deduct</i>	-17,007.05	
01 22 23 00-0279	DAY 2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator .....	1,351.34	
	<i>For Equipment Without Operator, Deduct</i>	-784.94	
01 22 23 00-0280	WK 2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator .....	5,573.06	
	<i>For Equipment Without Operator, Deduct</i>	-3,924.70	
01 22 23 00-0281	MO 2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator .....	21,298.60	
	<i>For Equipment Without Operator, Deduct</i>	-17,007.05	
01 22 23 00-0282	DAY 3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator .....	1,525.61	
	<i>For Equipment Without Operator, Deduct</i>	-784.94	
01 22 23 00-0283	WK 3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator .....	6,233.86	
	<i>For Equipment Without Operator, Deduct</i>	-3,924.70	
01 22 23 00-0284	MO 3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator .....	22,925.17	
	<i>For Equipment Without Operator, Deduct</i>	-17,007.05	
01 22 23 00-0285	DAY Hydraulic Hammer Attachment For Skid-Steer Loaders .....	290.46	
01 22 23 00-0286	WK Hydraulic Hammer Attachment For Skid-Steer Loaders .....	965.78	
01 22 23 00-0287	MO Hydraulic Hammer Attachment For Skid-Steer Loaders .....	2,570.57	
01 22 23 00-0288	DAY Forklift Attachment For Skid-Steer Loaders .....	62.45	
01 22 23 00-0289	WK Forklift Attachment For Skid-Steer Loaders .....	167.01	
01 22 23 00-0290	MO Forklift Attachment For Skid-Steer Loaders .....	472.00	
01 22 23 00-0291	DAY Backhoe Attachment For Skid-Steer Loaders .....	137.97	
01 22 23 00-0292	WK Backhoe Attachment For Skid-Steer Loaders .....	331.12	
01 22 23 00-0293	MO Backhoe Attachment For Skid-Steer Loaders .....	823.45	
01 22 23 00-0294	DAY Broom Attachment For Skid-Steer Loaders .....	136.52	
01 22 23 00-0295	WK Broom Attachment For Skid-Steer Loaders .....	370.34	
01 22 23 00-0296	MO Broom Attachment For Skid-Steer Loaders .....	980.30	
01 22 23 00-0297	DAY Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders .....	119.09	
01 22 23 00-0298	WK Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders .....	328.22	
01 22 23 00-0299	MO Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders .....	896.07	
01 22 23 00-0300	DAY Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) .....	32.82	
01 22 23 00-0301	WK Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) .....	85.87	
01 22 23 00-0302	MO Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) .....	252.57	
01 22 23 00-0303	DAY >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) .....	44.19	
01 22 23 00-0304	WK >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) .....	109.87	
01 22 23 00-0305	MO >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) .....	328.35	
01 22 23 00-0306	DAY Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) .....	64.40	
01 22 23 00-0307	WK Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) .....	195.76	
01 22 23 00-0308	MO Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) .....	580.92	
01 22 23 00-0309	DAY 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger) .....	13.07	
01 22 23 00-0310	WK 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger) .....	30.50	
01 22 23 00-0311	MO 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger) .....	81.33	

**01 22 23 00-0312**

**Bulldozers** (01 22 23 00-0269)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0313	DAY 70 HP, D3 Bulldozer With Full-Time Operator .....	1,140.80	
	<i>For Equipment Without Operator, Deduct</i>	-827.09	
01 22 23 00-0314	WK 70 HP, D3 Bulldozer With Full-Time Operator .....	5,372.51	
	<i>For Equipment Without Operator, Deduct</i>	-4,135.44	
01 22 23 00-0315	MO 70 HP, D3 Bulldozer With Full-Time Operator .....	21,590.02	
	<i>For Equipment Without Operator, Deduct</i>	-17,920.24	
01 22 23 00-0316	DAY 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator .....	1,288.77	
	<i>For Equipment Without Operator, Deduct</i>	-827.09	
01 22 23 00-0317	WK 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator .....	5,970.33	
	<i>For Equipment Without Operator, Deduct</i>	-4,135.44	
01 22 23 00-0318	MO 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator .....	23,424.91	
	<i>For Equipment Without Operator, Deduct</i>	-17,920.24	
01 22 23 00-0319	DAY 140 HP, D6 Bulldozer With Full-Time Operator .....	1,709.02	
	<i>For Equipment Without Operator, Deduct</i>	-827.09	
01 22 23 00-0320	WK 140 HP, D6 Bulldozer With Full-Time Operator .....	7,651.33	
	<i>For Equipment Without Operator, Deduct</i>	-4,135.44	
01 22 23 00-0321	MO 140 HP, D6 Bulldozer With Full-Time Operator .....	28,456.06	
	<i>For Equipment Without Operator, Deduct</i>	-17,920.24	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0322 DAY 200 HP, D7 Bulldozer With Full-Time Operator .....	2,081.92	
For Equipment Without Operator, Deduct .....	-827.09	
01 22 23 00-0323 WK 200 HP, D7 Bulldozer With Full-Time Operator .....	9,148.83	
For Equipment Without Operator, Deduct .....	-4,135.44	
01 22 23 00-0324 MO 200 HP, D7 Bulldozer With Full-Time Operator .....	32,954.50	
For Equipment Without Operator, Deduct .....	-17,920.24	
01 22 23 00-0325 DAY 335 HP, D8 Bulldozer With Full-Time Operator .....	2,525.84	
For Equipment Without Operator, Deduct .....	-827.09	
01 22 23 00-0326 WK 335 HP, D8 Bulldozer With Full-Time Operator .....	10,924.53	
For Equipment Without Operator, Deduct .....	-4,135.44	
01 22 23 00-0327 MO 335 HP, D8 Bulldozer With Full-Time Operator .....	38,281.60	
For Equipment Without Operator, Deduct .....	-17,920.24	
01 22 23 00-0328 DAY 460 HP, D9 Bulldozer With Full-Time Operator .....	2,774.44	
For Equipment Without Operator, Deduct .....	-827.09	
01 22 23 00-0329 WK 460 HP, D9 Bulldozer With Full-Time Operator .....	11,913.01	
For Equipment Without Operator, Deduct .....	-4,135.44	
01 22 23 00-0330 MO 460 HP, D9 Bulldozer With Full-Time Operator .....	41,241.10	
For Equipment Without Operator, Deduct .....	-17,920.24	
<b>01 22 23 00-0331 Road Graders</b> <small>(01 22 23 00-0268)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0332 DAY 60 HP Road Grader With Full-Time Operator .....	1,327.63	
For Equipment Without Operator, Deduct .....	-827.09	
01 22 23 00-0333 WK 60 HP Road Grader With Full-Time Operator .....	5,489.48	
For Equipment Without Operator, Deduct .....	-4,135.44	
01 22 23 00-0334 MO 60 HP Road Grader With Full-Time Operator .....	21,969.52	
For Equipment Without Operator, Deduct .....	-17,920.24	
01 22 23 00-0335 DAY 80 HP Road Grader With Full-Time Operator .....	1,475.23	
For Equipment Without Operator, Deduct .....	-827.09	
01 22 23 00-0336 WK 80 HP Road Grader With Full-Time Operator .....	5,900.18	
For Equipment Without Operator, Deduct .....	-4,135.44	
01 22 23 00-0337 MO 80 HP Road Grader With Full-Time Operator .....	23,214.46	
For Equipment Without Operator, Deduct .....	-17,920.24	
01 22 23 00-0338 DAY 130 HP Road Grader With Full-Time Operator .....	1,375.28	
For Equipment Without Operator, Deduct .....	-827.09	
01 22 23 00-0339 WK 130 HP Road Grader With Full-Time Operator .....	6,328.21	
For Equipment Without Operator, Deduct .....	-4,135.44	
01 22 23 00-0340 MO 130 HP Road Grader With Full-Time Operator .....	25,756.51	
For Equipment Without Operator, Deduct .....	-17,920.24	
<b>01 22 23 00-0341 Motor Scraper</b> <small>(01 22 23 00-0268)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0342 DAY 11 CY Motor Scraper-Hauler With Full-Time Operator .....	1,710.97	
For Equipment Without Operator, Deduct .....	-827.09	
01 22 23 00-0343 WK 11 CY Motor Scraper-Hauler With Full-Time Operator .....	7,670.98	
For Equipment Without Operator, Deduct .....	-4,135.44	
01 22 23 00-0344 MO 11 CY Motor Scraper-Hauler With Full-Time Operator .....	28,514.74	
For Equipment Without Operator, Deduct .....	-17,920.24	
01 22 23 00-0345 DAY 18 CY Motor Scraper-Hauler With Full-Time Operator .....	2,068.16	
For Equipment Without Operator, Deduct .....	-827.09	
01 22 23 00-0346 WK 18 CY Motor Scraper-Hauler With Full-Time Operator .....	9,099.72	
For Equipment Without Operator, Deduct .....	-4,135.44	
01 22 23 00-0347 MO 18 CY Motor Scraper-Hauler With Full-Time Operator .....	32,813.08	
For Equipment Without Operator, Deduct .....	-17,920.24	
01 22 23 00-0348 DAY 24 CY Motor Scraper-Hauler With Full-Time Operator .....	2,413.24	
For Equipment Without Operator, Deduct .....	-827.09	
01 22 23 00-0349 WK 24 CY Motor Scraper-Hauler With Full-Time Operator .....	10,473.98	
For Equipment Without Operator, Deduct .....	-4,135.44	
01 22 23 00-0350 MO 24 CY Motor Scraper-Hauler With Full-Time Operator .....	36,929.80	
For Equipment Without Operator, Deduct .....	-17,920.24	
<b>01 22 23 00-0351 Hydraulic Excavators</b> <small>(01 22 23 00-0268)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0352 DAY 3/8 CY Hydraulic Excavator With Full-Time Operator .....	1,211.35	
For Equipment Without Operator, Deduct .....	-827.09	
01 22 23 00-0353 WK 3/8 CY Hydraulic Excavator With Full-Time Operator .....	5,494.60	
For Equipment Without Operator, Deduct .....	-4,135.44	
01 22 23 00-0354 MO 3/8 CY Hydraulic Excavator With Full-Time Operator .....	22,474.48	
For Equipment Without Operator, Deduct .....	-17,920.24	
01 22 23 00-0355 DAY 1/2 CY Hydraulic Excavator With Full-Time Operator .....	1,319.52	
For Equipment Without Operator, Deduct .....	-827.09	
01 22 23 00-0356 WK 1/2 CY Hydraulic Excavator With Full-Time Operator .....	5,971.37	
For Equipment Without Operator, Deduct .....	-4,135.44	
01 22 23 00-0357 MO 1/2 CY Hydraulic Excavator With Full-Time Operator .....	24,381.57	
For Equipment Without Operator, Deduct .....	-17,920.24	
01 22 23 00-0358 DAY 5/8 CY Hydraulic Excavator With Full-Time Operator .....	1,353.67	
For Equipment Without Operator, Deduct .....	-827.09	
01 22 23 00-0359 WK 5/8 CY Hydraulic Excavator With Full-Time Operator .....	6,149.27	
For Equipment Without Operator, Deduct .....	-4,135.44	
01 22 23 00-0360 MO 5/8 CY Hydraulic Excavator With Full-Time Operator .....	24,694.67	
For Equipment Without Operator, Deduct .....	-17,920.24	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0361 DAY 3/4 CY Hydraulic Excavator With Full-Time Operator.....	1,389.25	
For Equipment Without Operator, Deduct	-827.09	
01 22 23 00-0362 WK 3/4 CY Hydraulic Excavator With Full-Time Operator.....	6,312.94	
For Equipment Without Operator, Deduct	-4,135.44	
01 22 23 00-0363 MO 3/4 CY Hydraulic Excavator With Full-Time Operator.....	25,007.78	
For Equipment Without Operator, Deduct	-17,920.24	
01 22 23 00-0364 DAY 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator.....	1,417.72	
For Equipment Without Operator, Deduct	-827.09	
01 22 23 00-0365 WK 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator.....	6,483.72	
For Equipment Without Operator, Deduct	-4,135.44	
01 22 23 00-0366 MO 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator.....	25,320.88	
For Equipment Without Operator, Deduct	-17,920.24	
01 22 23 00-0367 DAY 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator .....	1,801.98	
For Equipment Without Operator, Deduct	-827.09	
01 22 23 00-0368 WK 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator .....	8,013.66	
For Equipment Without Operator, Deduct	-4,135.44	
01 22 23 00-0369 MO 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator .....	29,554.90	
For Equipment Without Operator, Deduct	-17,920.24	
01 22 23 00-0370 DAY 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator .....	1,858.91	
For Equipment Without Operator, Deduct	-827.09	
01 22 23 00-0371 WK 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator .....	8,262.72	
For Equipment Without Operator, Deduct	-4,135.44	
01 22 23 00-0372 MO 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator .....	30,302.08	
For Equipment Without Operator, Deduct	-17,920.24	
01 22 23 00-0373 DAY 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator .....	1,965.65	
For Equipment Without Operator, Deduct	-827.09	
01 22 23 00-0374 WK 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator .....	8,689.68	
For Equipment Without Operator, Deduct	-4,135.44	
01 22 23 00-0375 MO 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator .....	31,582.96	
For Equipment Without Operator, Deduct	-17,920.24	
01 22 23 00-0376 DAY 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	2,086.62	
For Equipment Without Operator, Deduct	-827.09	
01 22 23 00-0377 WK 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	9,166.45	
For Equipment Without Operator, Deduct	-4,135.44	
01 22 23 00-0378 MO 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	33,006.16	
For Equipment Without Operator, Deduct	-17,920.24	
01 22 23 00-0379 DAY 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator .....	2,122.20	
For Equipment Without Operator, Deduct	-827.09	
01 22 23 00-0380 WK 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator .....	9,308.77	
For Equipment Without Operator, Deduct	-4,135.44	
01 22 23 00-0381 MO 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator .....	33,433.12	
For Equipment Without Operator, Deduct	-17,920.24	
01 22 23 00-0382 DAY 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	2,463.77	
For Equipment Without Operator, Deduct	-827.09	
01 22 23 00-0383 WK 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	10,682.16	
For Equipment Without Operator, Deduct	-4,135.44	
01 22 23 00-0384 MO 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	37,560.40	
For Equipment Without Operator, Deduct	-17,920.24	
01 22 23 00-0385 DAY 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	2,954.77	
For Equipment Without Operator, Deduct	-827.09	
01 22 23 00-0386 WK 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	12,631.94	
For Equipment Without Operator, Deduct	-4,135.44	
01 22 23 00-0387 MO 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	43,395.52	
For Equipment Without Operator, Deduct	-17,920.24	
01 22 23 00-0388 DAY 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	3,559.63	
For Equipment Without Operator, Deduct	-827.09	
01 22 23 00-0389 WK 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	15,051.38	
For Equipment Without Operator, Deduct	-4,135.44	
01 22 23 00-0390 MO 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	50,653.84	
For Equipment Without Operator, Deduct	-17,920.24	
01 22 23 00-0391 DAY Thumbs Or Grapple Attachment For Hydraulic Excavators .....	99.62	
01 22 23 00-0392 WK Thumbs Or Grapple Attachment For Hydraulic Excavators .....	384.26	
01 22 23 00-0393 MO Thumbs Or Grapple Attachment For Hydraulic Excavators .....	1,138.56	
01 22 23 00-0394 DAY 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	441.19	
01 22 23 00-0395 WK 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	1,167.02	
01 22 23 00-0396 MO 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	3,266.24	
01 22 23 00-0397 DAY 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	683.14	
01 22 23 00-0398 WK 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	1,743.42	
01 22 23 00-0399 MO 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	4,532.89	
01 22 23 00-0400 DAY 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	953.54	
01 22 23 00-0401 WK 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	2,568.88	
01 22 23 00-0402 MO 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	7,201.39	
01 22 23 00-0403 DAY 24" Compaction Wheel Attachment For Hydraulic Excavators .....	199.25	
01 22 23 00-0404 WK 24" Compaction Wheel Attachment For Hydraulic Excavators .....	796.99	
01 22 23 00-0405 MO 24" Compaction Wheel Attachment For Hydraulic Excavators .....	2,390.98	
01 22 23 00-0406 DAY 36" Compaction Wheel Attachment For Hydraulic Excavators .....	284.64	
01 22 23 00-0407 WK 36" Compaction Wheel Attachment For Hydraulic Excavators .....	1,138.56	
01 22 23 00-0408 MO 36" Compaction Wheel Attachment For Hydraulic Excavators .....	3,415.68	
01 22 23 00-0409 DAY 48" Compaction Wheel Attachment For Hydraulic Excavators .....	313.10	
01 22 23 00-0410 WK 48" Compaction Wheel Attachment For Hydraulic Excavators .....	1,238.18	
01 22 23 00-0411 MO 48" Compaction Wheel Attachment For Hydraulic Excavators .....	3,700.32	

01	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 22 23 00-0412</b>	<b>Mini-Excavators</b> <small>(01 22 23 00-0268)</small>	
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0413 DAY 2,000 LB Mini-Excavator With Full-Time Operator.....	1,125.96	
For Equipment Without Operator, Deduct	-827.09	
01 22 23 00-0414 WK 2,000 LB Mini-Excavator With Full-Time Operator.....	4,982.24	
For Equipment Without Operator, Deduct	-4,135.44	
01 22 23 00-0415 MO 2,000 LB Mini-Excavator With Full-Time Operator.....	19,784.63	
For Equipment Without Operator, Deduct	-17,920.24	
01 22 23 00-0416 DAY 3,500 LB Mini-Excavator With Full-Time Operator.....	1,133.08	
For Equipment Without Operator, Deduct	-827.09	
01 22 23 00-0417 WK 3,500 LB Mini-Excavator With Full-Time Operator.....	5,003.59	
For Equipment Without Operator, Deduct	-4,135.44	
01 22 23 00-0418 MO 3,500 LB Mini-Excavator With Full-Time Operator.....	20,232.94	
For Equipment Without Operator, Deduct	-17,920.24	
01 22 23 00-0419 DAY 6,000 LB Mini-Excavator With Full-Time Operator.....	1,168.66	
For Equipment Without Operator, Deduct	-827.09	
01 22 23 00-0420 WK 6,000 LB Mini-Excavator With Full-Time Operator.....	5,103.22	
For Equipment Without Operator, Deduct	-4,135.44	
01 22 23 00-0421 MO 6,000 LB Mini-Excavator With Full-Time Operator.....	20,296.98	
For Equipment Without Operator, Deduct	-17,920.24	
01 22 23 00-0422 DAY 7,500 LB Mini-Excavator With Full-Time Operator.....	1,182.89	
For Equipment Without Operator, Deduct	-827.09	
01 22 23 00-0423 WK 7,500 LB Mini-Excavator With Full-Time Operator.....	5,153.03	
For Equipment Without Operator, Deduct	-4,135.44	
01 22 23 00-0424 MO 7,500 LB Mini-Excavator With Full-Time Operator.....	20,325.45	
For Equipment Without Operator, Deduct	-17,920.24	
01 22 23 00-0425 DAY 9,500 LB Mini-Excavator With Full-Time Operator.....	1,268.28	
For Equipment Without Operator, Deduct	-827.09	
01 22 23 00-0426 WK 9,500 LB Mini-Excavator With Full-Time Operator.....	5,224.19	
For Equipment Without Operator, Deduct	-4,135.44	
01 22 23 00-0427 MO 9,500 LB Mini-Excavator With Full-Time Operator.....	21,150.90	
For Equipment Without Operator, Deduct	-17,920.24	
01 22 23 00-0428 DAY 11,000 LB Mini-Excavator With Full-Time Operator.....	1,275.40	
For Equipment Without Operator, Deduct	-827.09	
01 22 23 00-0429 WK 11,000 LB Mini-Excavator With Full-Time Operator.....	5,579.99	
For Equipment Without Operator, Deduct	-4,135.44	
01 22 23 00-0430 MO 11,000 LB Mini-Excavator With Full-Time Operator.....	21,186.48	
For Equipment Without Operator, Deduct	-17,920.24	
<b>01 22 23 00-0431</b>	<b>Loader-Backhoes With Standard Bucket</b> <small>(01 22 23 00-0268)</small>	
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0432 DAY 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	1,166.11	
For Equipment Without Operator, Deduct	-827.09	
01 22 23 00-0433 WK 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	4,940.62	
For Equipment Without Operator, Deduct	-4,135.44	
01 22 23 00-0434 MO 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	19,815.14	
For Equipment Without Operator, Deduct	-17,920.24	
01 22 23 00-0435 DAY 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	1,202.44	
For Equipment Without Operator, Deduct	-827.09	
01 22 23 00-0436 WK 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	5,067.76	
For Equipment Without Operator, Deduct	-4,135.44	
01 22 23 00-0437 MO 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	20,590.05	
For Equipment Without Operator, Deduct	-17,920.24	
01 22 23 00-0438 DAY 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	1,258.44	
For Equipment Without Operator, Deduct	-827.09	
01 22 23 00-0439 WK 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	5,207.00	
For Equipment Without Operator, Deduct	-4,135.44	
01 22 23 00-0440 MO 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	20,989.62	
For Equipment Without Operator, Deduct	-17,920.24	
01 22 23 00-0441 DAY 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	1,508.17	
For Equipment Without Operator, Deduct	-827.09	
01 22 23 00-0442 WK 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	5,951.64	
For Equipment Without Operator, Deduct	-4,135.44	
01 22 23 00-0443 MO 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	23,120.63	
For Equipment Without Operator, Deduct	-17,920.24	
<b>01 22 23 00-0444</b>	<b>Heavy Duty Construction Loaders</b> <small>(01 22 23 00-0268)</small>	
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0445 DAY 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,325.05	
For Equipment Without Operator, Deduct	-827.09	
01 22 23 00-0446 WK 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	6,104.32	
For Equipment Without Operator, Deduct	-4,135.44	
01 22 23 00-0447 MO 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	23,819.21	
For Equipment Without Operator, Deduct	-17,920.24	
01 22 23 00-0448 DAY 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,738.75	
For Equipment Without Operator, Deduct	-827.09	
01 22 23 00-0449 WK 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	6,556.32	
For Equipment Without Operator, Deduct	-4,135.44	
01 22 23 00-0450 MO 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	24,049.04	
For Equipment Without Operator, Deduct	-17,920.24	
01 22 23 00-0451 DAY 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,830.68	
For Equipment Without Operator, Deduct	-827.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0452 WK 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	6,801.47 -4,135.44	
01 22 23 00-0453 MO 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	24,661.92 -17,920.24	
01 22 23 00-0454 DAY 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	2,083.49 -827.09	
01 22 23 00-0455 WK 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	7,467.98 -4,135.44	
01 22 23 00-0456 MO 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	26,347.34 -17,920.24	
01 22 23 00-0457 DAY 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	2,734.68 -827.09	
01 22 23 00-0458 WK 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	11,750.47 -4,135.44	
01 22 23 00-0459 MO 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	40,750.02 -17,920.24	
01 22 23 00-0460 DAY 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	7,024.76 -827.09	
01 22 23 00-0461 WK 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	24,260.67 -4,135.44	
01 22 23 00-0462 MO 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	72,766.95 -17,920.24	
<b>01 22 23 00-0463 Gradall, Telescopic Hydraulic Excavators <small>(01 22 23 00-0268)</small></b> Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0464 DAY Gradall, Telescopic Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Track Gradall, Add</i>	2,178.52 -827.09 162.17	
01 22 23 00-0465 WK Gradall, Telescopic Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Track Gradall, Add</i>	9,535.14 -4,135.44 647.96	
01 22 23 00-0466 MO Gradall, Telescopic Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Track Gradall, Add</i>	37,192.52 -17,920.24 2,312.67	
<b>01 22 23 00-0467 Shoring <small>(01 22 23 00-0268)</small></b> Note: Includes delivery to job site and pick-up when complete.		
<b>01 22 23 00-0468 Aluminum Hydraulic Shoring <small>(01 22 23 00-0467)</small></b> Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.		
01 22 23 00-0469 WK 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring ..... Note: Up to 88" spread width.	111.58	
01 22 23 00-0470 MO 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring ..... Note: Up to 88" spread width.	329.12	
01 22 23 00-0471 WK Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring ..... Note: Up to 88" spread width.	149.69	
01 22 23 00-0472 MO Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring ..... Note: Up to 88" spread width.	441.51	
01 22 23 00-0473 WK Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring ..... Note: Up to 88" spread width.	277.56	
01 22 23 00-0474 MO Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring ..... Note: Up to 88" spread width.	818.79	
01 22 23 00-0475 EA Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores.....	24.80	
01 22 23 00-0476 EA Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores.....	39.68	
01 22 23 00-0477 EA Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores.....	66.12	
<b>01 22 23 00-0478 Trench Boxes/Trench Shields <small>(01 22 23 00-0268)</small></b> Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.		
01 22 23 00-0479 WK 4' x 6' Trench Box With Up To 48" Spreaders.....	170.50	
01 22 23 00-0480 MO 4' x 6' Trench Box With Up To 48" Spreaders.....	511.50	
01 22 23 00-0481 WK 6' x 6' Trench Box With Up To 48" Spreaders.....	192.50	
01 22 23 00-0482 MO 6' x 6' Trench Box With Up To 48" Spreaders.....	577.50	
01 22 23 00-0483 WK 8' x 6' Trench Box With Up To 48" Spreaders.....	203.50	
01 22 23 00-0484 MO 8' x 6' Trench Box With Up To 48" Spreaders.....	610.50	
01 22 23 00-0485 WK 4' x 8' Trench Box With Up To 48" Spreaders.....	187.00	
01 22 23 00-0486 MO 4' x 8' Trench Box With Up To 48" Spreaders.....	561.00	
01 22 23 00-0487 WK 6' x 8' Trench Box With Up To 48" Spreaders.....	220.00	
01 22 23 00-0488 MO 6' x 8' Trench Box With Up To 48" Spreaders.....	660.00	
01 22 23 00-0489 WK 8' x 8' Trench Box With Up To 48" Spreaders.....	247.50	
01 22 23 00-0490 MO 8' x 8' Trench Box With Up To 48" Spreaders.....	742.50	
01 22 23 00-0491 WK 4' x 10' Trench Box With Up To 48" Spreaders.....	209.00	
01 22 23 00-0492 MO 4' x 10' Trench Box With Up To 48" Spreaders.....	627.00	
01 22 23 00-0493 WK 6' x 10' Trench Box With Up To 48" Spreaders.....	247.50	
01 22 23 00-0494 MO 6' x 10' Trench Box With Up To 48" Spreaders.....	742.50	
01 22 23 00-0495 WK 8' x 10' Trench Box With Up To 48" Spreaders.....	302.50	
01 22 23 00-0496 MO 8' x 10' Trench Box With Up To 48" Spreaders.....	902.00	
01 22 23 00-0497 WK 4' x 12' Trench Box With Up To 48" Spreaders.....	247.50	
01 22 23 00-0498 MO 4' x 12' Trench Box With Up To 48" Spreaders.....	742.50	
01 22 23 00-0499 WK 6' x 12' Trench Box With Up To 48" Spreaders.....	302.50	
01 22 23 00-0500 MO 6' x 12' Trench Box With Up To 48" Spreaders.....	907.50	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-0501	WK	8' x 12' Trench Box With Up To 48" Spreaders.....	385.00	
01 22 23 00-0502	MO	8' x 12' Trench Box With Up To 48" Spreaders.....	1,155.00	
01 22 23 00-0503	WK	4' x 14' Trench Box With Up To 48" Spreaders.....	275.00	
01 22 23 00-0504	MO	4' x 14' Trench Box With Up To 48" Spreaders.....	825.00	
01 22 23 00-0505	WK	6' x 14' Trench Box With Up To 48" Spreaders.....	357.50	
01 22 23 00-0506	MO	6' x 14' Trench Box With Up To 48" Spreaders.....	1,072.50	
01 22 23 00-0507	WK	8' x 14' Trench Box With Up To 48" Spreaders.....	440.00	
01 22 23 00-0508	MO	8' x 14' Trench Box With Up To 48" Spreaders.....	1,320.00	
01 22 23 00-0509	WK	4' x 16' Trench Box With Up To 48" Spreaders.....	302.50	
01 22 23 00-0510	MO	4' x 16' Trench Box With Up To 48" Spreaders.....	907.50	
01 22 23 00-0511	WK	6' x 16' Trench Box With Up To 48" Spreaders.....	412.50	
01 22 23 00-0512	MO	6' x 16' Trench Box With Up To 48" Spreaders.....	1,237.50	
01 22 23 00-0513	WK	8' x 16' Trench Box With Up To 48" Spreaders.....	495.00	
01 22 23 00-0514	MO	8' x 16' Trench Box With Up To 48" Spreaders.....	1,485.00	
01 22 23 00-0515	WK	4' x 20' Trench Box With Up To 48" Spreaders.....	357.50	
01 22 23 00-0516	MO	4' x 20' Trench Box With Up To 48" Spreaders.....	1,072.50	
01 22 23 00-0517	WK	6' x 20' Trench Box With Up To 48" Spreaders.....	495.00	
01 22 23 00-0518	MO	6' x 20' Trench Box With Up To 48" Spreaders.....	1,485.00	
01 22 23 00-0519	WK	8' x 20' Trench Box With Up To 48" Spreaders.....	577.50	
01 22 23 00-0520	MO	8' x 20' Trench Box With Up To 48" Spreaders.....	1,732.50	
01 22 23 00-0521	WK	4' x 24' Trench Box With Up To 48" Spreaders.....	495.00	
01 22 23 00-0522	MO	4' x 24' Trench Box With Up To 48" Spreaders.....	1,485.00	
01 22 23 00-0523	WK	6' x 24' Trench Box With Up To 48" Spreaders.....	605.00	
01 22 23 00-0524	MO	6' x 24' Trench Box With Up To 48" Spreaders.....	1,815.00	
01 22 23 00-0525	WK	8' x 24' Trench Box With Up To 48" Spreaders.....	660.00	
01 22 23 00-0526	MO	8' x 24' Trench Box With Up To 48" Spreaders.....	1,980.00	
01 22 23 00-0527	WK	For Spreaders >48" To 84", Add.....	16.50	
01 22 23 00-0528	MO	For Spreaders >48" To 84", Add.....	49.50	
01 22 23 00-0529	WK	For Spreaders >84" To 120", Add.....	99.00	
01 22 23 00-0530	MO	For Spreaders >84" To 120", Add.....	297.00	
01 22 23 00-0531	WK	For Spreaders >120", Add.....	209.00	
01 22 23 00-0532	MO	For Spreaders >120", Add.....	627.00	
01 22 23 00-0533	WK	8' x 4' Manhole Box.....	259.88	
01 22 23 00-0534	MO	8' x 4' Manhole Box.....	779.63	
01 22 23 00-0535	WK	8' x 8' Manhole Box.....	371.25	
01 22 23 00-0536	MO	8' x 8' Manhole Box.....	1,113.75	

### 01 22 23 00-0537 Trenchers (01 22 23 00-0268)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0538	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,192.40	
		<i>For Equipment Without Operator, Deduct</i>	-784.94	
01 22 23 00-0539	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	5,312.60	
		<i>For Equipment Without Operator, Deduct</i>	-3,924.70	
01 22 23 00-0540	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	20,826.95	
		<i>For Equipment Without Operator, Deduct</i>	-17,007.05	
01 22 23 00-0541	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,879.98	
		<i>For Equipment Without Operator, Deduct</i>	-784.94	
01 22 23 00-0542	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	7,630.00	
		<i>For Equipment Without Operator, Deduct</i>	-3,924.70	
01 22 23 00-0543	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	27,193.45	
		<i>For Equipment Without Operator, Deduct</i>	-17,007.05	

### 01 22 23 00-0544 Portable Sediment Tank (01 22 23 00-0268)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0545	WK	Portable Sediment Tank.....	193.32	
01 22 23 00-0546	MO	Portable Sediment Tank.....	567.07	

### 01 22 23 00-0547 Heavy Equipment (Ground Protection) Mats (01 22 23 00-0268)

Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0268 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0548	DAY	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	33.73	
01 22 23 00-0549	WK	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	80.32	
01 22 23 00-0550	MO	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	168.67	
01 22 23 00-0551	DAY	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	35.42	
01 22 23 00-0552	WK	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	84.34	
01 22 23 00-0553	MO	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	177.10	
01 22 23 00-0554	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	28.67	
01 22 23 00-0555	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	67.47	
01 22 23 00-0556	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	143.37	
01 22 23 00-0557	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	32.05	
01 22 23 00-0558	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	75.90	
01 22 23 00-0559	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	160.24	
01 22 23 00-0560	Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	35.42	
01 22 23 00-0561	WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	84.34	
01 22 23 00-0562	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	177.10	
01 22 23 00-0563	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	38.79	
01 22 23 00-0564	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	92.37	
01 22 23 00-0565	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	193.97	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0566	Day	12'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	30.36	
01 22 23 00-0567	WK	12'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	84.34	
01 22 23 00-0568	MO	12'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	151.80	
01 22 23 00-0569	Day	16'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	35.42	
01 22 23 00-0570	WK	16'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	84.34	
01 22 23 00-0571	MO	16'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	177.10	
01 22 23 00-0572	Day	20'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	42.17	
01 22 23 00-0573	WK	20'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	92.77	
01 22 23 00-0574	MO	20'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	210.84	
01 22 23 00-0575	Day	24'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	45.54	
01 22 23 00-0576	WK	24'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	108.43	
01 22 23 00-0577	MO	24'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	227.70	
01 22 23 00-0578	Day	28'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	48.91	
01 22 23 00-0579	WK	28'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	116.46	
01 22 23 00-0580	MO	28'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	244.57	
01 22 23 00-0581	Day	30'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	50.60	
01 22 23 00-0582	WK	30'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	120.48	
01 22 23 00-0583	MO	30'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	253.00	
01 22 23 00-0584	Day	14'	Width x 8'	Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	16.23	
01 22 23 00-0585	WK	14'	Width x 8'	Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	40.57	
01 22 23 00-0586	MO	14'	Width x 8'	Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	121.70	
01 22 23 00-0587	Day	14'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	19.40	
01 22 23 00-0588	WK	14'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	48.49	
01 22 23 00-0589	MO	14'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	145.48	
01 22 23 00-0590	Day	16'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	22.15	
01 22 23 00-0591	WK	16'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	55.38	
01 22 23 00-0592	MO	16'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	166.14	
01 22 23 00-0593	Day	14'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	23.61	
01 22 23 00-0594	WK	14'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	59.03	
01 22 23 00-0595	MO	14'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	177.10	
01 22 23 00-0596	Day	16'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	26.99	
01 22 23 00-0597	WK	16'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	67.47	
01 22 23 00-0598	MO	16'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	202.40	
01 22 23 00-0599	Day	16'	Width x 8'	Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	31.01	
01 22 23 00-0600	WK	16'	Width x 8'	Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	77.53	
01 22 23 00-0601	MO	16'	Width x 8'	Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	232.60	
01 22 23 00-0602	Day	24'	Width x 4'	Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	23.86	
01 22 23 00-0603	WK	24'	Width x 4'	Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	59.65	
01 22 23 00-0604	MO	24'	Width x 4'	Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	178.96	
01 22 23 00-0605	Day	30'	Width x 4'	Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	32.31	
01 22 23 00-0606	WK	30'	Width x 4'	Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	80.76	
01 22 23 00-0607	MO	30'	Width x 4'	Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	242.29	
01 22 23 00-0608	Day	24'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	27.93	
01 22 23 00-0609	WK	24'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	69.83	
01 22 23 00-0610	MO	24'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	209.49	
01 22 23 00-0611	Day	40'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	46.58	
01 22 23 00-0612	WK	40'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	116.46	
01 22 23 00-0613	MO	40'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	349.38	
01 22 23 00-0614	Day	40'	Width x 4'	Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	49.66	
01 22 23 00-0615	WK	40'	Width x 4'	Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	124.14	
01 22 23 00-0616	MO	40'	Width x 4'	Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	372.42	

**01 22 23 00-0617 Electrical Equipment** (01 22 23)

**01 22 23 00-0618 Tripod Mounted Floodlights** (01 22 23 00-0617)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0619	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	63.29
01 22 23 00-0620	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	149.73
01 22 23 00-0621	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	316.44
01 22 23 00-0622	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	63.29
01 22 23 00-0623	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	185.23
01 22 23 00-0624	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	547.98
01 22 23 00-0625	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	71.01
01 22 23 00-0626	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	192.95
01 22 23 00-0627	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	470.80

**01 22 23 00-0628 Trailer Mounted Floodlights** (01 22 23 00-0617)

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0629	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	177.51
01 22 23 00-0630	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	393.62
01 22 23 00-0631	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	848.98

**01 22 23 00-0632 Generator Sets** (01 22 23 00-0617)

**01 22 23 00-0633 Portable, Gas Or Diesel Powered Generator Sets** (01 22 23 00-0632)

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0775 for reimbursable fuel fees.

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0634 DAY 3.6 KW, 8 HP Gas Powered Generator Set.....	52.14	
For LP Or NG Gas, Add	6.52	
For >160 To 320 Hours Usage Per Month, Add	26.07	
01 22 23 00-0635 WK 3.6 KW, 8 HP Gas Powered Generator Set.....	187.94	
For LP Or NG Gas, Add	23.49	
01 22 23 00-0636 MO 3.6 KW, 8 HP Gas Powered Generator Set.....	521.38	
For LP Or NG Gas, Add	65.17	
01 22 23 00-0637 DAY 5 KW, 11 HP Gas Powered Generator Set.....	73.96	
For LP Or NG Gas, Add	9.25	
01 22 23 00-0638 WK 5 KW, 11 HP Gas Powered Generator Set.....	236.44	
For LP Or NG Gas, Add	29.56	
01 22 23 00-0639 MO 5 KW, 11 HP Gas Powered Generator Set.....	539.56	
For LP Or NG Gas, Add	67.45	
01 22 23 00-0640 DAY 6.5 KW, 13 HP Gas Powered Generator Set.....	94.58	
For LP Or NG Gas, Add	11.82	
01 22 23 00-0641 WK 6.5 KW, 13 HP Gas Powered Generator Set.....	254.62	
For LP Or NG Gas, Add	31.83	
01 22 23 00-0642 MO 6.5 KW, 13 HP Gas Powered Generator Set.....	703.25	
For LP Or NG Gas, Add	87.91	
01 22 23 00-0643 DAY 10 KW, 18 HP Gas Powered Generator Set.....	105.49	
For LP Or NG Gas, Add	13.19	
01 22 23 00-0644 WK 10 KW, 18 HP Gas Powered Generator Set.....	284.94	
For LP Or NG Gas, Add	35.62	
01 22 23 00-0645 MO 10 KW, 18 HP Gas Powered Generator Set.....	818.44	
For LP Or NG Gas, Add	102.31	
<b>01 22 23 00-0646 Towable, Diesel Powered Generator Sets</b> <small>(01 22 23 00-0632)</small>		
Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0775 for reimbursable fuel fees.		
01 22 23 00-0647 DAY 20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	217.04	
Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	108.52	
For >16 To 24 Hours Usage Per Day, Add	217.04	
01 22 23 00-0648 WK 20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	567.45	
Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	283.73	
For >80 Hours Usage Per Week, Add	567.45	
01 22 23 00-0649 MO 20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,545.94	
Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	772.97	
For >320 Hours Usage Per Month, Add	1,545.94	
01 22 23 00-0650 DAY 30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	337.90	
Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	168.95	
For >16 To 24 Hours Usage Per Day, Add	337.90	
01 22 23 00-0651 WK 30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,002.80	
Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	501.40	
For >80 Hours Usage Per Week, Add	1,002.80	
01 22 23 00-0652 MO 30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,071.00	
Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	1,035.50	
For >320 Hours Usage Per Month, Add	2,071.00	
01 22 23 00-0653 DAY 40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	370.60	
Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	185.30	
For >16 To 24 Hours Usage Per Day, Add	370.60	
01 22 23 00-0654 WK 40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,035.50	
Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	517.75	
For >80 Hours Usage Per Week, Add	1,035.50	
01 22 23 00-0655 MO 40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,289.00	
Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	1,144.50	
For >320 Hours Usage Per Month, Add	2,289.00	
01 22 23 00-0656 DAY 55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	397.85	
Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	198.93	
For >16 To 24 Hours Usage Per Day, Add	397.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0657 WK 55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,090.00	
Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	545.00	
For >80 Hours Usage Per Week, Add	1,090.00	
01 22 23 00-0658 MO 55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,616.00	
Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	1,308.00	
For >320 Hours Usage Per Month, Add	2,616.00	
01 22 23 00-0659 DAY 70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	436.00	
Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	218.00	
For >16 To 24 Hours Usage Per Day, Add	436.00	
01 22 23 00-0660 WK 70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,237.15	
Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	618.58	
For >80 Hours Usage Per Week, Add	1,237.15	
01 22 23 00-0661 MO 70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,943.00	
Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	1,471.50	
For >320 Hours Usage Per Month, Add	2,943.00	
01 22 23 00-0662 DAY 80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	490.50	
Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	245.25	
For >16 To 24 Hours Usage Per Day, Add	490.50	
01 22 23 00-0663 WK 80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,308.00	
Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	654.00	
For >80 Hours Usage Per Week, Add	1,308.00	
01 22 23 00-0664 MO 80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,270.00	
Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	1,635.00	
For >320 Hours Usage Per Month, Add	3,270.00	
01 22 23 00-0665 DAY 100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	506.85	
Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	253.43	
For >16 To 24 Hours Usage Per Day, Add	506.85	
01 22 23 00-0666 WK 100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,362.50	
Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	681.25	
For >80 Hours Usage Per Week, Add	1,362.50	
01 22 23 00-0667 MO 100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,706.00	
Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	1,853.00	
For >320 Hours Usage Per Month, Add	3,706.00	
01 22 23 00-0668 DAY 120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	572.25	
Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	286.13	
For >16 To 24 Hours Usage Per Day, Add	572.25	
01 22 23 00-0669 WK 120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,580.50	
Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	790.25	
For >80 Hours Usage Per Week, Add	1,580.50	
01 22 23 00-0670 MO 120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,251.00	
Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,125.50	
For >320 Hours Usage Per Month, Add	4,251.00	
01 22 23 00-0671 DAY 140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	599.50	
Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	299.75	
For >16 To 24 Hours Usage Per Day, Add	599.50	
01 22 23 00-0672 WK 140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,662.25	
Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	831.13	
For >80 Hours Usage Per Week, Add	1,662.25	
01 22 23 00-0673 MO 140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,687.00	
Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,343.50	
For >320 Hours Usage Per Month, Add	4,687.00	

01	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0674 DAY 150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	626.75	
Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	313.38	
For >16 To 24 Hours Usage Per Day, Add	626.75	
01 22 23 00-0675 WK 150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,798.50	
Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	899.25	
For >80 Hours Usage Per Week, Add	1,798.50	
01 22 23 00-0676 MO 150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,905.00	
Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,452.50	
For >320 Hours Usage Per Month, Add	4,905.00	
01 22 23 00-0677 DAY 160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	654.00	
Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	327.00	
For >16 To 24 Hours Usage Per Day, Add	654.00	
01 22 23 00-0678 WK 160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,907.50	
Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	953.75	
For >80 Hours Usage Per Week, Add	1,907.50	
01 22 23 00-0679 MO 160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,123.00	
Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,561.50	
For >320 Hours Usage Per Month, Add	5,123.00	
01 22 23 00-0680 DAY 175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	654.00	
Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	327.00	
For >16 To 24 Hours Usage Per Day, Add	654.00	
01 22 23 00-0681 WK 175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,907.50	
Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	953.75	
For >80 Hours Usage Per Week, Add	1,907.50	
01 22 23 00-0682 MO 175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,123.00	
Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,561.50	
For >320 Hours Usage Per Month, Add	5,123.00	
01 22 23 00-0683 DAY 200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	899.25	
Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	449.63	
For >16 To 24 Hours Usage Per Day, Add	899.25	
01 22 23 00-0684 WK 200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,234.50	
Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	1,117.25	
For >80 Hours Usage Per Week, Add	2,234.50	
01 22 23 00-0685 MO 200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	6,540.00	
Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	3,270.00	
For >320 Hours Usage Per Month, Add	6,540.00	
01 22 23 00-0686 DAY 250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	953.75	
Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	476.88	
For >16 To 24 Hours Usage Per Day, Add	953.75	
01 22 23 00-0687 WK 250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,289.00	
Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	1,144.50	
For >80 Hours Usage Per Week, Add	2,289.00	
01 22 23 00-0688 MO 250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	6,758.00	
Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	3,379.00	
For >320 Hours Usage Per Month, Add	6,758.00	
01 22 23 00-0689 DAY 275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,008.25	
Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	504.13	
For >16 To 24 Hours Usage Per Day, Add	1,008.25	
01 22 23 00-0690 WK 275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,343.50	
Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	1,171.75	
For >80 Hours Usage Per Week, Add	2,343.50	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	01 22 23 00-0691	MO		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	6,976.00 3,488.00 6,976.00	
	01 22 23 00-0692	DAY		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	1,040.95 520.48 1,040.95	
	01 22 23 00-0693	WK		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	2,507.00 1,253.50 2,507.00	
	01 22 23 00-0694	MO		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	7,412.00 3,706.00 7,412.00	
	01 22 23 00-0695	DAY		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	1,090.00 545.00 1,090.00	
	01 22 23 00-0696	WK		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	2,834.00 1,417.00 2,834.00	
	01 22 23 00-0697	MO		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	8,175.00 4,087.50 8,175.00	
	01 22 23 00-0698	DAY		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	1,525.45 762.73 1,525.45	
	01 22 23 00-0699	WK		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	3,944.00 1,972.00 3,944.00	
	01 22 23 00-0700	MO		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	10,430.40 5,215.20 10,430.40	
	01 22 23 00-0701	DAY		500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	1,955.70 977.85 1,955.70	
	01 22 23 00-0702	WK		500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	5,084.82 2,542.41 5,084.82	
	01 22 23 00-0703	MO		500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	11,734.20 5,867.10 11,734.20	
	01 22 23 00-0704	DAY		640.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	2,418.55 1,209.28 2,418.55	
	01 22 23 00-0705	WK		640.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	6,388.62 3,194.31 6,388.62	
	01 22 23 00-0706	MO		640.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	15,645.60 7,822.80 15,645.60	
	01 22 23 00-0707	DAY		750.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	2,614.12 1,307.06 2,614.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0708 WK 750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	6,023.56	
Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	3,011.78	
For >80 Hours Usage Per Week, Add	6,023.56	
01 22 23 00-0709 MO 750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	18,070.67	
Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	9,035.34	
For >320 Hours Usage Per Month, Add	18,070.67	
01 22 23 00-0710 EA Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	860.66	
01 22 23 00-0711 EA 350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	1,394.32	
<b>01 22 23 00-0712 Generator Accessories (01 22 23 00-0632)</b>		
Note: Includes delivery to job site and pick-up when complete.		
<b>01 22 23 00-0713 Step Down Transformer (01 22 23 00-0712)</b>		
01 22 23 00-0714 WK 75 KVA, 480-208 Volt, Step Down Transformer .....	321.55	
01 22 23 00-0715 MO 75 KVA, 480-208 Volt, Step Down Transformer .....	899.25	
01 22 23 00-0716 WK 150 KVA, 480-208 Volt, Step Down Transformer .....	515.57	
01 22 23 00-0717 MO 150 KVA, 480-208 Volt, Step Down Transformer.....	1,545.62	
01 22 23 00-0718 WK 225 KVA, 480-208 Volt, Step Down Transformer.....	686.70	
01 22 23 00-0719 MO 225 KVA, 480-208 Volt, Step Down Transformer.....	2,060.10	
01 22 23 00-0720 WK 500 KVA, 480-208 Volt, Step Down Transformer.....	817.50	
01 22 23 00-0721 MO 500 KVA, 480-208 Volt, Step Down Transformer.....	2,452.50	
01 22 23 00-0722 WK 1,000 KVA, 4,160/480 Volt, Step Down Transformer.....	1,220.80	
01 22 23 00-0723 MO 1,000 KVA, 4,160/480 Volt, Step Down Transformer.....	3,646.05	
01 22 23 00-0724 WK 1,500 KVA, 4,160/480 Volt, Step Down Transformer.....	1,983.80	
01 22 23 00-0725 MO 1,500 KVA, 4,160/480 Volt, Step Down Transformer.....	5,945.95	
01 22 23 00-0726 WK 2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer.....	2,289.00	
01 22 23 00-0727 MO 2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer.....	6,867.00	
<b>01 22 23 00-0728 Portable Panel (01 22 23 00-0712)</b>		
01 22 23 00-0729 WK 100 Amperes, Portable Panel .....	256.15	
01 22 23 00-0730 MO 100 Amperes, Portable Panel .....	654.00	
01 22 23 00-0731 WK 200 Amperes, Portable Panel .....	306.29	
01 22 23 00-0732 MO 200 Amperes, Portable Panel .....	817.50	
01 22 23 00-0733 WK 400 Amperes, Portable Panel .....	327.00	
01 22 23 00-0734 MO 400 Amperes, Portable Panel .....	981.00	
<b>01 22 23 00-0735 Portable Fusible Disconnect (01 22 23 00-0712)</b>		
01 22 23 00-0736 WK 100 - 200 Amperes, Portable Fusible Disconnect .....	114.45	
01 22 23 00-0737 MO 100 - 200 Amperes, Portable Fusible Disconnect .....	343.35	
01 22 23 00-0738 WK 300 - 400 Amperes, Portable Fusible Disconnect.....	228.90	
01 22 23 00-0739 MO 300 - 400 Amperes, Portable Fusible Disconnect.....	686.70	
<b>01 22 23 00-0740 Portable Transfer Switch (01 22 23 00-0712)</b>		
01 22 23 00-0741 WK 100 Amperes, 480 Volt, Portable Transfer Switch .....	343.35	
01 22 23 00-0742 MO 100 Amperes, 480 Volt, Portable Transfer Switch .....	1,030.05	
01 22 23 00-0743 WK 200 Amperes, 480 Volt, Portable Transfer Switch .....	457.80	
01 22 23 00-0744 MO 200 Amperes, 480 Volt, Portable Transfer Switch .....	1,373.40	
01 22 23 00-0745 WK 400 Amperes, 480 Volt, Portable Transfer Switch .....	572.25	
01 22 23 00-0746 MO 400 Amperes, 480 Volt, Portable Transfer Switch .....	1,716.75	
<b>01 22 23 00-0747 Cabling For Generator Sets (01 22 23 00-0632)</b>		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0748 DAY #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	23.98	
01 22 23 00-0749 WK #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	41.96	
01 22 23 00-0750 MO #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	125.90	
01 22 23 00-0751 DAY 50', 4/0 Cable With Camlock Ends For Generator Set.....	11.99	
01 22 23 00-0752 WK 50', 4/0 Cable With Camlock Ends For Generator Set.....	34.88	
01 22 23 00-0753 MO 50', 4/0 Cable With Camlock Ends For Generator Set.....	97.01	
<b>01 22 23 00-0754 Resistive Loadbanks For Generator Sets (01 22 23 00-0632)</b>		
Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0775 for reimbursable fuel fees.		
01 22 23 00-0755 DAY 100 KW A/C Resistive Loadbank .....	347.06	
01 22 23 00-0756 WK 100 KW A/C Resistive Loadbank .....	660.10	
01 22 23 00-0757 MO 100 KW A/C Resistive Loadbank .....	1,803.36	
01 22 23 00-0758 DAY 650 KW A/C Resistive Loadbank.....	672.39	
01 22 23 00-0759 WK 650 KW A/C Resistive Loadbank .....	1,798.14	
01 22 23 00-0760 MO 650 KW A/C Resistive Loadbank .....	4,584.49	
<b>01 22 23 00-0761 Sub-Distribution Panels (Spider Box) For Generator Sets (01 22 23 00-0632)</b>		
Note: Includes delivery to job site and pick-up when complete.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0762 DAY 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	58.86	
01 22 23 00-0763 WK 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	152.60	
01 22 23 00-0764 MO 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	430.55	
<b>01 22 23 00-0765 Portable Distribution Panels For Generator Sets (01 22 23 00-0632)</b>		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0766 DAY 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	130.80	
01 22 23 00-0767 WK 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	354.25	
01 22 23 00-0768 MO 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	991.90	
01 22 23 00-0769 DAY 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	106.82	
01 22 23 00-0770 WK 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	277.95	
01 22 23 00-0771 MO 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	790.25	
01 22 23 00-0772 DAY 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	136.25	
01 22 23 00-0773 WK 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	343.35	
01 22 23 00-0774 MO 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	931.95	
<b>01 22 23 00-0775 Fuel Reimbursement For Generators (01 22 23 00-0632)</b>		
01 22 23 00-0776 EA Fuel Reimbursement For Generators.....	1.00	
Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.		
<b>01 22 23 00-0777 Portable Floor Drying Fans (01 22 23 00-0617)</b>		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0778 DAY 2,250 CFM Portable Floor Drying Fan.....	16.39	
01 22 23 00-0779 WK 2,250 CFM Portable Floor Drying Fan.....	75.81	
01 22 23 00-0780 MO 2,250 CFM Portable Floor Drying Fan.....	250.98	
<b>01 22 23 00-0781 Welding Machines (01 22 23 00-0617)</b>		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
<b>01 22 23 00-0782 CC/CV Inverter Welder (01 22 23 00-0781)</b>		
Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0775 for reimbursable fuel fees.		
01 22 23 00-0783 DAY 250 Amperes, CC Inverter Welder.....	41.45	
01 22 23 00-0784 WK 250 Amperes, CC Inverter Welder.....	90.30	
01 22 23 00-0785 MO 250 Amperes, CC Inverter Welder.....	273.86	
01 22 23 00-0786 DAY 300 Amperes, CC/CV Inverter Welder.....	47.37	
01 22 23 00-0787 WK 300 Amperes, CC/CV Inverter Welder.....	125.83	
01 22 23 00-0788 MO 300 Amperes, CC/CV Inverter Welder.....	333.07	
01 22 23 00-0789 DAY 350 Amperes, CC/CV Inverter Welder.....	48.85	
01 22 23 00-0790 WK 350 Amperes, CC/CV Inverter Welder.....	128.79	
01 22 23 00-0791 MO 350 Amperes, CC/CV Inverter Welder.....	362.67	
<b>01 22 23 00-0792 MIG Welder (01 22 23 00-0781)</b>		
Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0775 for reimbursable fuel fees.		
01 22 23 00-0793 DAY 115 Volt MIG Welder.....	71.05	
01 22 23 00-0794 WK 115 Volt MIG Welder.....	185.04	
01 22 23 00-0795 MO 115 Volt MIG Welder.....	503.30	
<b>01 22 23 00-0796 Diesel Powered Towable Welding Machines (01 22 23 00-0781)</b>		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0797 DAY 250 To 299 Amperes, Diesel Powered Towable Welding Machine.....	133.23	
01 22 23 00-0798 WK 250 To 299 Amperes, Diesel Powered Towable Welding Machine.....	325.67	
01 22 23 00-0799 MO 250 To 299 Amperes, Diesel Powered Towable Welding Machine.....	777.16	
01 22 23 00-0800 DAY 300 To 349 Amperes, Diesel Powered Towable Welding Machine.....	177.64	
01 22 23 00-0801 WK 300 To 349 Amperes, Diesel Powered Towable Welding Machine.....	347.87	
01 22 23 00-0802 MO 300 To 349 Amperes, Diesel Powered Towable Welding Machine.....	812.68	
01 22 23 00-0803 DAY 350 To 399 Amperes, Diesel Powered Towable Welding Machine.....	185.04	
01 22 23 00-0804 WK 350 To 399 Amperes, Diesel Powered Towable Welding Machine.....	370.08	
01 22 23 00-0805 MO 350 To 399 Amperes, Diesel Powered Towable Welding Machine.....	902.98	
<b>01 22 23 00-0806 General Equipment (01 22 23)</b>		
<b>01 22 23 00-0807 Pressure Washers (01 22 23 00-0806)</b>		
Note: Includes delivery to job site, pick-up when complete and full time operator.		
01 22 23 00-0808 DAY 2,000 PSI Pressure Washer With Full-Time Operator.....	755.12	
<i>For Equipment Without Operator, Deduct</i>		
	-629.86	
01 22 23 00-0809 WK 2,000 PSI Pressure Washer With Full-Time Operator.....	3,467.28	
<i>For Equipment Without Operator, Deduct</i>		
	-3,149.32	
01 22 23 00-0810 MO 2,000 PSI Pressure Washer With Full-Time Operator.....	14,456.40	
<i>For Equipment Without Operator, Deduct</i>		
	-13,647.06	
01 22 23 00-0811 DAY 2,500 PSI Pressure Washer With Full-Time Operator.....	776.70	
<i>For Equipment Without Operator, Deduct</i>		
	-629.86	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0812 WK 2,500 PSI Pressure Washer With Full-Time Operator .....	3,522.06	
For Equipment Without Operator, Deduct .....	-3,149.32	
01 22 23 00-0813 MO 2,500 PSI Pressure Washer With Full-Time Operator .....	14,595.84	
For Equipment Without Operator, Deduct .....	-13,647.06	
01 22 23 00-0814 DAY 3,000 PSI Pressure Washer With Full-Time Operator .....	755.12	
For Equipment Without Operator, Deduct .....	-629.86	
01 22 23 00-0815 WK 3,000 PSI Pressure Washer With Full-Time Operator .....	3,467.28	
For Equipment Without Operator, Deduct .....	-3,149.32	
01 22 23 00-0816 MO 3,000 PSI Pressure Washer With Full-Time Operator .....	14,456.40	
For Equipment Without Operator, Deduct .....	-13,647.06	
01 22 23 00-0817 DAY 3,500 PSI Pressure Washer With Full-Time Operator .....	787.99	
For Equipment Without Operator, Deduct .....	-629.86	
01 22 23 00-0818 WK 3,500 PSI Pressure Washer With Full-Time Operator .....	3,555.94	
For Equipment Without Operator, Deduct .....	-3,149.32	
01 22 23 00-0819 MO 3,500 PSI Pressure Washer With Full-Time Operator .....	14,686.20	
For Equipment Without Operator, Deduct .....	-13,647.06	
01 22 23 00-0820 DAY 4,000 PSI Pressure Washer With Full-Time Operator .....	803.29	
For Equipment Without Operator, Deduct .....	-629.86	
01 22 23 00-0821 WK 4,000 PSI Pressure Washer With Full-Time Operator .....	3,621.44	
For Equipment Without Operator, Deduct .....	-3,149.32	
01 22 23 00-0822 MO 4,000 PSI Pressure Washer With Full-Time Operator .....	14,967.06	
For Equipment Without Operator, Deduct .....	-13,647.06	
01 22 23 00-0823 DAY 5,000 PSI Pressure Washer With Full-Time Operator .....	855.76	
For Equipment Without Operator, Deduct .....	-629.86	
01 22 23 00-0824 WK 5,000 PSI Pressure Washer With Full-Time Operator .....	3,759.25	
For Equipment Without Operator, Deduct .....	-3,149.32	
01 22 23 00-0825 MO 5,000 PSI Pressure Washer With Full-Time Operator .....	15,363.90	
For Equipment Without Operator, Deduct .....	-13,647.06	
<b>01 22 23 00-0826 Jacks And Bracing</b> (01 22 23 00-0806)		
Note: Includes delivery to job site and pick-up when complete.		
<b>01 22 23 00-0827 Manual Hydraulic Jacks</b> (01 22 23 00-0826)		
01 22 23 00-0828 DAY 12 Ton Manual Hydraulic Bottle Jack.....	1.67	
01 22 23 00-0829 WK 12 Ton Manual Hydraulic Bottle Jack.....	7.93	
01 22 23 00-0830 MO 12 Ton Manual Hydraulic Bottle Jack.....	28.50	
01 22 23 00-0831 DAY 20 Ton Manual Hydraulic Bottle Jack.....	2.92	
01 22 23 00-0832 WK 20 Ton Manual Hydraulic Bottle Jack.....	9.18	
01 22 23 00-0833 MO 20 Ton Manual Hydraulic Bottle Jack.....	34.76	
01 22 23 00-0834 DAY 50 Ton Manual Hydraulic Bottle Jack.....	10.43	
01 22 23 00-0835 WK 50 Ton Manual Hydraulic Bottle Jack.....	40.49	
01 22 23 00-0836 MO 50 Ton Manual Hydraulic Bottle Jack.....	145.66	
01 22 23 00-0837 DAY 100 Ton Manual Hydraulic Bottle Jack.....	14.61	
01 22 23 00-0838 WK 100 Ton Manual Hydraulic Bottle Jack.....	58.43	
01 22 23 00-0839 MO 100 Ton Manual Hydraulic Bottle Jack.....	210.46	
<b>01 22 23 00-0840 Manual Screw Jacks</b> (01 22 23 00-0826)		
01 22 23 00-0841 DAY 10 To 20 Ton Manual Screw Jack.....	26.41	
01 22 23 00-0842 WK 10 To 20 Ton Manual Screw Jack.....	71.09	
01 22 23 00-0843 MO 10 To 20 Ton Manual Screw Jack.....	197.03	
<b>01 22 23 00-0844 Confined Space Entry Equipment</b> (01 22 23 00-0806)		
Note: Includes delivery to job site, set-up, and pick-up when complete.		
01 22 23 00-0845 DAY Ventilation Equipment For Confined Space .....	41.11	
Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0846 WK Ventilation Equipment For Confined Space .....	123.32	
Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0847 MO Ventilation Equipment For Confined Space .....	367.99	
Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0848 DAY Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly .....	61.77	
01 22 23 00-0849 WK Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly .....	185.32	
01 22 23 00-0850 MO Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly .....	555.96	
01 22 23 00-0851 DAY Confined Space Air Monitor Personnel .....	784.94	
Note: Per person day.		
<b>01 22 23 00-0852 High Volume Vacuums</b> (01 22 23 00-0806)		
Note: Includes delivery to job site, set-up, pick-up when complete and full time operator.		
01 22 23 00-0853 DAY 500 Gallon High Volume Vacuum With Full-Time Operator.....	1,333.24	
For Equipment Without Operator, Deduct .....	-784.94	
01 22 23 00-0854 WK 500 Gallon High Volume Vacuum With Full-Time Operator.....	5,459.94	
For Equipment Without Operator, Deduct .....	-3,924.70	
01 22 23 00-0855 MO 500 Gallon High Volume Vacuum With Full-Time Operator.....	22,270.73	
For Equipment Without Operator, Deduct .....	-17,007.05	
<b>01 22 23 00-0856 Portable Dehumidifiers</b> (01 22 23 00-0806)		
Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.		
01 22 23 00-0857 DAY 7.5 To 10 Gallons Per Day, Portable Dehumidifier .....	70.64	
01 22 23 00-0858 WK 7.5 To 10 Gallons Per Day, Portable Dehumidifier .....	231.17	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0859	MO		7.5 To 10 Gallons Per Day, Portable Dehumidifier .....	654.99	
01 22 23 00-0860	DAY		16 To 25 Gallons Per Day, Portable Dehumidifier .....	104.03	
01 22 23 00-0861	WK		16 To 25 Gallons Per Day, Portable Dehumidifier .....	333.92	
01 22 23 00-0862	MO		16 To 25 Gallons Per Day, Portable Dehumidifier .....	931.12	
<b>01 22 23 00-0863 Space Heaters (01 22 23 00-0806)</b>					
Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.					
01 22 23 00-0864	DAY		150,000 BTU/Hour Space Heater .....	69.29	
01 22 23 00-0865	WK		150,000 BTU/Hour Space Heater .....	199.21	
01 22 23 00-0866	MO		150,000 BTU/Hour Space Heater .....	563.00	
01 22 23 00-0867	DAY		500,000 BTU/Hour Space Heater .....	147.25	
01 22 23 00-0868	WK		500,000 BTU/Hour Space Heater .....	363.78	
01 22 23 00-0869	MO		500,000 BTU/Hour Space Heater .....	919.85	
<b>01 22 23 00-0870 Mowers (01 22 23 00-0806)</b>					
Note: Includes delivery to job site and pick-up when complete. Excludes operator.					
01 22 23 00-0871	DAY		21" Walk Behind Lawn Mower .....	90.36	
01 22 23 00-0872	WK		21" Walk Behind Lawn Mower .....	259.78	
01 22 23 00-0873	MO		21" Walk Behind Lawn Mower .....	530.86	
01 22 23 00-0874	DAY		32" Walk Behind Lawn Mower .....	112.95	
01 22 23 00-0875	WK		32" Walk Behind Lawn Mower .....	271.08	
01 22 23 00-0876	MO		32" Walk Behind Lawn Mower .....	564.75	
01 22 23 00-0877	DAY		36" To 48" Walk Behind Deck Mower .....	203.31	
01 22 23 00-0878	WK		36" To 48" Walk Behind Deck Mower .....	564.75	
01 22 23 00-0879	MO		36" To 48" Walk Behind Deck Mower .....	1,637.78	
01 22 23 00-0880	DAY		61" To 72" Walk Behind Deck Mower .....	203.31	
01 22 23 00-0881	WK		61" To 72" Walk Behind Deck Mower .....	564.75	
01 22 23 00-0882	MO		61" To 72" Walk Behind Deck Mower .....	1,637.78	
<b>01 22 23 00-0883 Material Handling Equipment (01 22 23)</b>					
<b>01 22 23 00-0884 Truck Mounted Hydraulic Cranes (01 22 23 00-0883)</b>					
Note: Includes full-time operator, delivery, set-up, rigging, and removal time in rental period. Excludes lattice boom extension.					
01 22 23 00-0885	DAY		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	1,250.79	
			<i>For Equipment Without Operator, Deduct</i>	-849.32	
01 22 23 00-0886	WK		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	5,462.84	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.62	
01 22 23 00-0887	MO		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	22,062.50	
			<i>For Equipment Without Operator, Deduct</i>	-18,402.02	
01 22 23 00-0888	DAY		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	1,357.06	
			<i>For Equipment Without Operator, Deduct</i>	-849.32	
01 22 23 00-0889	WK		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	5,778.71	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.62	
01 22 23 00-0890	MO		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	23,007.14	
			<i>For Equipment Without Operator, Deduct</i>	-18,402.02	
01 22 23 00-0891	DAY		14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	1,463.34	
			<i>For Equipment Without Operator, Deduct</i>	-849.32	
01 22 23 00-0892	WK		14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	6,094.57	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.62	
01 22 23 00-0893	MO		14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	23,951.78	
			<i>For Equipment Without Operator, Deduct</i>	-18,402.02	
01 22 23 00-0894	DAY		20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	1,605.03	
			<i>For Equipment Without Operator, Deduct</i>	-849.32	
01 22 23 00-0895	WK		20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	6,519.66	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.62	
01 22 23 00-0896	MO		20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	25,221.14	
			<i>For Equipment Without Operator, Deduct</i>	-18,402.02	
01 22 23 00-0897	DAY		30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	1,734.92	
			<i>For Equipment Without Operator, Deduct</i>	-849.32	
01 22 23 00-0898	WK		30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	7,399.36	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.62	
01 22 23 00-0899	MO		30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	27,857.87	
			<i>For Equipment Without Operator, Deduct</i>	-18,402.02	
01 22 23 00-0900	DAY		40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	2,041.93	
			<i>For Equipment Without Operator, Deduct</i>	-849.32	
01 22 23 00-0901	WK		40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	8,497.50	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.62	
01 22 23 00-0902	MO		40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	31,154.66	
			<i>For Equipment Without Operator, Deduct</i>	-18,402.02	
01 22 23 00-0903	DAY		50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	2,236.76	
			<i>For Equipment Without Operator, Deduct</i>	-849.32	
01 22 23 00-0904	WK		50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	9,182.36	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.62	
01 22 23 00-0905	MO		50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	33,213.98	
			<i>For Equipment Without Operator, Deduct</i>	-18,402.02	
01 22 23 00-0906	DAY		60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	2,390.26	
			<i>For Equipment Without Operator, Deduct</i>	-849.32	
01 22 23 00-0907	WK		60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	9,737.34	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.62	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0908 MO 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	34,876.54	
<i>For Equipment Without Operator, Deduct</i>	-18,402.02	
01 22 23 00-0909 DAY 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	2,543.77	
<i>For Equipment Without Operator, Deduct</i>	-849.32	
01 22 23 00-0910 WK 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	10,292.32	
<i>For Equipment Without Operator, Deduct</i>	-4,246.62	
01 22 23 00-0911 MO 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	36,539.11	
<i>For Equipment Without Operator, Deduct</i>	-18,402.02	
01 22 23 00-0912 DAY 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	2,644.14	
<i>For Equipment Without Operator, Deduct</i>	-849.32	
01 22 23 00-0913 WK 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	10,634.75	
<i>For Equipment Without Operator, Deduct</i>	-4,246.62	
01 22 23 00-0914 MO 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	37,578.21	
<i>For Equipment Without Operator, Deduct</i>	-18,402.02	
01 22 23 00-0915 DAY 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	2,779.93	
<i>For Equipment Without Operator, Deduct</i>	-849.32	
01 22 23 00-0916 WK 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	11,142.49	
<i>For Equipment Without Operator, Deduct</i>	-4,246.62	
01 22 23 00-0917 MO 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	39,089.64	
<i>For Equipment Without Operator, Deduct</i>	-18,402.02	
01 22 23 00-0918 DAY 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	3,216.82	
<i>For Equipment Without Operator, Deduct</i>	-849.32	
<i>For Half Day Usage, Deduct</i>	-947.00	
01 22 23 00-0919 WK 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	12,532.88	
<i>For Equipment Without Operator, Deduct</i>	-4,246.62	
01 22 23 00-0920 MO 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	43,260.81	
<i>For Equipment Without Operator, Deduct</i>	-18,402.02	
01 22 23 00-0921 DAY 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	3,517.93	
<i>For Equipment Without Operator, Deduct</i>	-849.32	
<i>For Half Day Usage, Deduct</i>	-1,067.44	
01 22 23 00-0922 WK 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	13,586.75	
<i>For Equipment Without Operator, Deduct</i>	-4,246.62	
01 22 23 00-0923 MO 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	46,422.40	
<i>For Equipment Without Operator, Deduct</i>	-18,402.02	
01 22 23 00-0924 DAY 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	4,061.10	
<i>For Equipment Without Operator, Deduct</i>	-849.32	
<i>For Half Day Usage, Deduct</i>	-1,284.71	
01 22 23 00-0925 WK 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	15,487.84	
<i>For Equipment Without Operator, Deduct</i>	-4,246.62	
01 22 23 00-0926 MO 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	52,125.67	
<i>For Equipment Without Operator, Deduct</i>	-18,402.02	
01 22 23 00-0927 DAY 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	4,438.95	
<i>For Equipment Without Operator, Deduct</i>	-849.32	
<i>For Half Day Usage, Deduct</i>	-1,435.85	
01 22 23 00-0928 WK 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	16,810.33	
<i>For Equipment Without Operator, Deduct</i>	-4,246.62	
01 22 23 00-0929 MO 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	56,093.16	
<i>For Equipment Without Operator, Deduct</i>	-18,402.02	
<b>01 22 23 00-0930 Cable Controlled Lattice Boom, Mechanical Cranes</b> <small>(01 22 23 00-0883)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal. See CSI section 01 71 13 00-0004 for lattice crane delivery.		
01 22 23 00-0931 DAY 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	2,266.28	
<i>For Equipment Without Operator, Deduct</i>	-849.32	
01 22 23 00-0932 WK 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	9,300.44	
<i>For Equipment Without Operator, Deduct</i>	-4,246.62	
01 22 23 00-0933 MO 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	33,563.49	
<i>For Equipment Without Operator, Deduct</i>	-18,402.02	
01 22 23 00-0934 DAY 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	3,358.52	
<i>For Equipment Without Operator, Deduct</i>	-849.32	
01 22 23 00-0935 WK 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	11,118.88	
<i>For Equipment Without Operator, Deduct</i>	-4,246.62	
01 22 23 00-0936 MO 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	39,018.79	
<i>For Equipment Without Operator, Deduct</i>	-18,402.02	
01 22 23 00-0937 DAY 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator .....	3,535.64	
<i>For Equipment Without Operator, Deduct</i>	-849.32	
01 22 23 00-0938 WK 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator .....	12,411.85	
<i>For Equipment Without Operator, Deduct</i>	-4,246.62	
01 22 23 00-0939 MO 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator .....	42,896.54	
<i>For Equipment Without Operator, Deduct</i>	-18,402.02	
01 22 23 00-0940 DAY 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator .....	3,889.88	
<i>For Equipment Without Operator, Deduct</i>	-849.32	
01 22 23 00-0941 WK 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator .....	13,704.83	
<i>For Equipment Without Operator, Deduct</i>	-4,246.62	
01 22 23 00-0942 MO 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator .....	46,769.56	
<i>For Equipment Without Operator, Deduct</i>	-18,402.02	
01 22 23 00-0943 DAY 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	4,058.14	
<i>For Equipment Without Operator, Deduct</i>	-849.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0944 WK 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	14,997.80 -4,246.62	
01 22 23 00-0945 MO 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	50,652.03 -18,402.02	
01 22 23 00-0946 DAY 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	4,226.41 -849.32	
01 22 23 00-0947 WK 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	16,290.78 -4,246.62	
01 22 23 00-0948 MO 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	54,534.50 -18,402.02	
01 22 23 00-0949 DAY 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	4,781.38 -849.32	
01 22 23 00-0950 WK 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	18,280.43 -4,246.62	
01 22 23 00-0951 MO 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	60,495.18 -18,402.02	
01 22 23 00-0952 DAY 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	8,193.90 -849.32	
01 22 23 00-0953 WK 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	30,442.67 -4,246.62	
01 22 23 00-0954 MO 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	96,996.07 -18,402.02	
<b>01 22 23 00-0955 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts</b> <small>(01 22 23 00-0883)</small> Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0956 DAY 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,357.37 -784.94	
01 22 23 00-0957 WK 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	5,325.65 -3,924.70	
01 22 23 00-0958 MO 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	20,019.85 -17,007.05	
01 22 23 00-0959 DAY 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,417.63 -784.94	
01 22 23 00-0960 WK 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	5,461.23 -3,924.70	
01 22 23 00-0961 MO 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	20,321.13 -17,007.05	
01 22 23 00-0962 DAY 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,402.56 -784.94	
01 22 23 00-0963 WK 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	5,529.02 -3,924.70	
01 22 23 00-0964 MO 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	20,773.05 -17,007.05	
01 22 23 00-0965 DAY 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,575.80 -784.94	
01 22 23 00-0966 WK 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	5,980.94 -3,924.70	
01 22 23 00-0967 MO 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	21,827.53 -17,007.05	
<b>01 22 23 00-0968 Straight Mast, Rough Terrain Construction Forklifts</b> <small>(01 22 23 00-0883)</small> Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0969 DAY 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,157.02 -784.94 74.42	
01 22 23 00-0970 WK 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	4,940.77 -3,924.70 203.21	
01 22 23 00-0971 MO 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	19,332.55 -17,007.05 465.10	
01 22 23 00-0972 DAY 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,176.60 -784.94 78.33	
01 22 23 00-0973 WK 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	4,994.24 -3,924.70 213.91	
01 22 23 00-0974 MO 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	19,454.95 -17,007.05 489.58	
01 22 23 00-0975 DAY 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,282.05 -784.94 99.42	
01 22 23 00-0976 WK 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	5,287.99 -3,924.70 272.66	
01 22 23 00-0977 MO 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	20,132.83 -17,007.05 625.16	
01 22 23 00-0978 DAY 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,340.12 -784.94 111.04	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0979 WK 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	5,262.84	
For Equipment Without Operator, Deduct	-3,924.70	
For Propane Instead Of Gas Or Diesel, Add	267.63	
01 22 23 00-0980 MO 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	20,338.15	
For Equipment Without Operator, Deduct	-17,007.05	
For Propane Instead Of Gas Or Diesel, Add	666.22	
<b>01 22 23 00-0981 Straight Mast, Industrial Warehouse Forklifts</b> <small>(01 22 23 00-0883)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0982 DAY 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,101.28	
For Equipment Without Operator, Deduct	-784.94	
For Propane Instead Of Gas Or Diesel, Add	63.27	
01 22 23 00-0983 WK 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	4,647.77	
For Equipment Without Operator, Deduct	-3,924.70	
For Propane Instead Of Gas Or Diesel, Add	144.61	
01 22 23 00-0984 MO 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	18,739.41	
For Equipment Without Operator, Deduct	-17,007.05	
For Propane Instead Of Gas Or Diesel, Add	346.47	
01 22 23 00-0985 DAY 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,108.82	
For Equipment Without Operator, Deduct	-784.94	
For Propane Instead Of Gas Or Diesel, Add	64.78	
01 22 23 00-0986 WK 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	4,670.37	
For Equipment Without Operator, Deduct	-3,924.70	
For Propane Instead Of Gas Or Diesel, Add	149.13	
01 22 23 00-0987 MO 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	18,792.13	
For Equipment Without Operator, Deduct	-17,007.05	
For Propane Instead Of Gas Or Diesel, Add	357.02	
01 22 23 00-0988 DAY 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,266.99	
For Equipment Without Operator, Deduct	-784.94	
For Propane Instead Of Gas Or Diesel, Add	96.41	
01 22 23 00-0989 WK 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	5,016.84	
For Equipment Without Operator, Deduct	-3,924.70	
For Propane Instead Of Gas Or Diesel, Add	218.43	
01 22 23 00-0990 MO 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	19,643.25	
For Equipment Without Operator, Deduct	-17,007.05	
For Propane Instead Of Gas Or Diesel, Add	527.24	
01 22 23 00-0991 DAY 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,282.05	
For Equipment Without Operator, Deduct	-784.94	
For Propane Instead Of Gas Or Diesel, Add	99.42	
01 22 23 00-0992 WK 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	5,144.88	
For Equipment Without Operator, Deduct	-3,924.70	
For Propane Instead Of Gas Or Diesel, Add	244.04	
01 22 23 00-0993 MO 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	20,095.17	
For Equipment Without Operator, Deduct	-17,007.05	
For Propane Instead Of Gas Or Diesel, Add	617.62	
01 22 23 00-0994 DAY 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,417.63	
For Equipment Without Operator, Deduct	-784.94	
For Propane Instead Of Gas Or Diesel, Add	126.54	
01 22 23 00-0995 WK 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	5,363.31	
For Equipment Without Operator, Deduct	-3,924.70	
For Propane Instead Of Gas Or Diesel, Add	287.72	
01 22 23 00-0996 MO 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	20,471.77	
For Equipment Without Operator, Deduct	-17,007.05	
For Propane Instead Of Gas Or Diesel, Add	692.94	
<b>01 22 23 00-0997 Chain Hoists</b> <small>(01 22 23 00-0883)</small>		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0998 DAY 1 Ton, 20' Lift, Manual Chain Hoist.....	12.52	
01 22 23 00-0999 WK 1 Ton, 20' Lift, Manual Chain Hoist.....	32.55	
01 22 23 00-1000 MO 1 Ton, 20' Lift, Manual Chain Hoist.....	96.40	
01 22 23 00-1001 DAY 3 Ton, 20' Lift, Manual Chain Hoist.....	35.06	
01 22 23 00-1002 WK 3 Ton, 20' Lift, Manual Chain Hoist.....	82.63	
01 22 23 00-1003 MO 3 Ton, 20' Lift, Manual Chain Hoist.....	231.62	
01 22 23 00-1004 DAY 5 Ton, 20' Lift, Manual Chain Hoist.....	45.07	
01 22 23 00-1005 WK 5 Ton, 20' Lift, Manual Chain Hoist.....	121.44	
01 22 23 00-1006 MO 5 Ton, 20' Lift, Manual Chain Hoist.....	338.04	
01 22 23 00-1007 DAY 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	88.89	
01 22 23 00-1008 WK 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	231.62	
01 22 23 00-1009 MO 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	626.00	
01 22 23 00-1010 DAY 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	90.14	
01 22 23 00-1011 WK 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	241.01	
01 22 23 00-1012 MO 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	657.30	
01 22 23 00-1013 DAY 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	92.65	
01 22 23 00-1014 WK 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	259.79	
01 22 23 00-1015 MO 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	719.90	
<b>01 22 23 00-1016 Roof Swing Hoist</b> <small>(01 22 23 00-0883)</small>		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1017 DAY Up To 400#, Manual Swing Roof Hoist.....	96.56	
01 22 23 00-1018 WK Up To 400#, Manual Swing Roof Hoist.....	337.98	
01 22 23 00-1019 MO Up To 400#, Manual Swing Roof Hoist.....	1,158.78	





	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>01 22 23 00-1020</b>	<b>Pumping Equipment</b> <small>(01 22 23)</small>		
<b>01 22 23 00-1021</b>	<b>Gas Powered Portable Centrifugal Pumps</b> <small>(01 22 23 00-1020)</small>		
	Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1045 for larger diameter pumps.		
01 22 23 00-1022	DAY 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump .....	69.18	
01 22 23 00-1023	WK 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump .....	155.65	
01 22 23 00-1024	MO 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump .....	415.06	
01 22 23 00-1025	DAY 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump .....	83.01	
01 22 23 00-1026	WK 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump .....	186.78	
01 22 23 00-1027	MO 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump .....	498.07	

<b>01 22 23 00-1028</b>	<b>Gas Powered Portable Diaphragm Pumps</b> <small>(01 22 23 00-1020)</small>		
	Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1029	DAY 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump .....	79.55	
01 22 23 00-1030	WK 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump .....	224.82	
01 22 23 00-1031	MO 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump .....	570.70	
01 22 23 00-1032	DAY 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump .....	96.85	
01 22 23 00-1033	WK 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump .....	259.41	
01 22 23 00-1034	MO 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump .....	735.00	

<b>01 22 23 00-1035</b>	<b>Gas Powered Portable Trash Pumps</b> <small>(01 22 23 00-1020)</small>		
	Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1036	DAY 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump .....	100.31	
01 22 23 00-1037	WK 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump .....	207.53	
01 22 23 00-1038	MO 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump .....	622.58	
01 22 23 00-1039	DAY 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump .....	100.31	
01 22 23 00-1040	WK 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump .....	268.06	
01 22 23 00-1041	MO 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump .....	735.00	
01 22 23 00-1042	DAY 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump .....	159.10	
01 22 23 00-1043	WK 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump .....	449.64	
01 22 23 00-1044	MO 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump .....	1,305.70	

<b>01 22 23 00-1045</b>	<b>Diesel Powered Portable Trash Pumps</b> <small>(01 22 23 00-1020)</small>		
	Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1046	DAY 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump .....	311.29	
01 22 23 00-1047	WK 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump .....	847.41	
01 22 23 00-1048	MO 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump .....	3,692.27	
01 22 23 00-1049	DAY 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	475.58	
01 22 23 00-1050	WK 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	1,245.17	
01 22 23 00-1051	MO 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	3,311.80	
01 22 23 00-1052	DAY 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	646.80	
01 22 23 00-1053	WK 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	1,731.13	
01 22 23 00-1054	MO 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	4,631.33	
01 22 23 00-1055	DAY 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump .....	837.03	
01 22 23 00-1056	WK 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump .....	2,137.54	
01 22 23 00-1057	MO 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump .....	6,277.72	

<b>01 22 23 00-1058</b>	<b>Diesel Powered Portable High Head Trash Pumps</b> <small>(01 22 23 00-1020)</small>		
	Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1059	DAY 27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump .....	415.06	
01 22 23 00-1060	WK 27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump .....	933.88	
01 22 23 00-1061	MO 27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump .....	2,490.34	
01 22 23 00-1062	DAY 90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump .....	622.58	
01 22 23 00-1063	WK 90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump .....	1,665.41	
01 22 23 00-1064	MO 90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump .....	4,669.38	
01 22 23 00-1065	DAY 135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump .....	760.94	
01 22 23 00-1066	WK 135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump .....	1,712.11	
01 22 23 00-1067	MO 135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump .....	4,565.62	

<b>01 22 23 00-1068</b>	<b>Diesel Powered Portable Silenced Environmental Trash Pumps</b> <small>(01 22 23 00-1020)</small>		
	Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1069	DAY 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump .....	444.46	
01 22 23 00-1070	WK 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump .....	1,011.70	
01 22 23 00-1071	MO 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump .....	3,154.43	
01 22 23 00-1072	DAY 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump .....	544.76	
01 22 23 00-1073	WK 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump .....	1,357.58	
01 22 23 00-1074	MO 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump .....	3,692.27	
01 22 23 00-1075	DAY 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump .....	657.17	
01 22 23 00-1076	WK 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump .....	1,943.85	
01 22 23 00-1077	MO 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump .....	5,421.67	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
01 22 23 00-1078	DAY	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	989.22		
01 22 23 00-1079	WK	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,526.65		
01 22 23 00-1080	MO	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	7,419.13		
<b>01 22 23 00-1081</b>		<b>3 Phase Electric Submersible Pumps</b> <small>(01 22 23 00-1020)</small>			
		Note: Includes delivery, set-up, and removal. Excludes operator.			
01 22 23 00-1082	DAY	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	172.94		
01 22 23 00-1083	WK	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	432.35		
01 22 23 00-1084	MO	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,297.05		
01 22 23 00-1085	DAY	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	228.28		
01 22 23 00-1086	WK	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	570.70		
01 22 23 00-1087	MO	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,712.11		
<b>01 22 23 00-1088</b>		<b>Suction Hose With Couplings</b> <small>(01 22 23 00-1020)</small>			
		Note: Includes delivery, set-up, and removal.			
01 22 23 00-1089	DAY	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	6.48		
01 22 23 00-1090	WK	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	16.20		
01 22 23 00-1091	MO	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	49.68		
01 22 23 00-1092	DAY	3" Inside Diameter, 20' Length, Suction Hose With Couplings	17.28		
01 22 23 00-1093	WK	3" Inside Diameter, 20' Length, Suction Hose With Couplings	44.28		
01 22 23 00-1094	MO	3" Inside Diameter, 20' Length, Suction Hose With Couplings	135.00		
01 22 23 00-1095	DAY	4" Inside Diameter, 20' Length, Suction Hose With Couplings	25.92		
01 22 23 00-1096	WK	4" Inside Diameter, 20' Length, Suction Hose With Couplings	65.88		
01 22 23 00-1097	MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings	199.80		
01 22 23 00-1098	DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings	32.40		
01 22 23 00-1099	WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings	81.00		
01 22 23 00-1100	MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings	237.60		
01 22 23 00-1101	DAY	10" Inside Diameter, 20' Length, Suction Hose With Couplings	75.60		
01 22 23 00-1102	WK	10" Inside Diameter, 20' Length, Suction Hose With Couplings	194.40		
01 22 23 00-1103	MO	10" Inside Diameter, 20' Length, Suction Hose With Couplings	572.40		
01 22 23 00-1104	DAY	12" Inside Diameter, 20' Length, Suction Hose With Couplings	101.52		
01 22 23 00-1105	WK	12" Inside Diameter, 20' Length, Suction Hose With Couplings	221.40		
01 22 23 00-1106	MO	12" Inside Diameter, 20' Length, Suction Hose With Couplings	664.20		
<b>01 22 23 00-1107</b>		<b>Discharge Hose With Couplings</b> <small>(01 22 23 00-1020)</small>			
		Note: Includes delivery, set-up, and removal.			
01 22 23 00-1108	DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	6.48		
01 22 23 00-1109	WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	16.20		
01 22 23 00-1110	MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	49.68		
01 22 23 00-1111	DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	7.56		
01 22 23 00-1112	WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	18.36		
01 22 23 00-1113	MO	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	57.24		
01 22 23 00-1114	DAY	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	8.64		
01 22 23 00-1115	WK	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	21.60		
01 22 23 00-1116	MO	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	65.88		
01 22 23 00-1117	DAY	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	22.68		
01 22 23 00-1118	WK	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	58.32		
01 22 23 00-1119	MO	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	167.40		
01 22 23 00-1120	DAY	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	28.08		
01 22 23 00-1121	WK	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	76.68		
01 22 23 00-1122	MO	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	210.60		
01 22 23 00-1123	DAY	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	21.60		
01 22 23 00-1124	WK	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	54.00		
01 22 23 00-1125	MO	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	162.00		
01 22 23 00-1126	DAY	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	55.08		
01 22 23 00-1127	WK	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	140.40		
01 22 23 00-1128	MO	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	415.80		
<b>01 22 23 00-1129</b>		<b>Hydraulic Submersible Pumps</b> <small>(01 22 23 00-1020)</small>			
		Note: Includes delivery, set-up, and removal. Excludes operator.			
<b>01 22 23 00-1130</b>		<b>Hydraulic Submersible Pumps</b> <small>(01 22 23 00-1129)</small>			
		Note: Includes delivery, set-up, and removal. Excludes operator.			
01 22 23 00-1131	DAY	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	114.14		
01 22 23 00-1132	WK	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	306.10		
01 22 23 00-1133	MO	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	856.05		
01 22 23 00-1134	DAY	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	145.27		
01 22 23 00-1135	WK	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	373.55		
01 22 23 00-1136	MO	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,141.40		
<b>01 22 23 00-1137</b>		<b>Hydraulic Submersible Pump Diesel Power Packs</b> <small>(01 22 23 00-1129)</small>			
		Note: Includes delivery, set-up, and removal. Excludes operator.			
01 22 23 00-1138	DAY	100 HP, Hydraulic Submersible Pump Diesel Power Pack	263.73		
01 22 23 00-1139	WK	100 HP, Hydraulic Submersible Pump Diesel Power Pack	786.88		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1140	MO	100 HP, Hydraulic Submersible Pump Diesel Power Pack.....	2,075.28
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**01 22 23 00-1141 HDPE Pipe With Couplings** (01 22 23 00-1020)

Note: Includes delivery, set-up, and removal.

01 22 23 00-1142	DAY	4" x 20' HDPE Pipe With Couplings.....	14.75
01 22 23 00-1143	WK	4" x 20' HDPE Pipe With Couplings.....	35.40
01 22 23 00-1144	MO	4" x 20' HDPE Pipe With Couplings.....	109.15
01 22 23 00-1145	DAY	6" x 20' HDPE Pipe With Couplings.....	23.60
01 22 23 00-1146	WK	6" x 20' HDPE Pipe With Couplings.....	59.00
01 22 23 00-1147	MO	6" x 20' HDPE Pipe With Couplings.....	179.95
01 22 23 00-1148	DAY	8" x 20' HDPE Pipe With Couplings.....	38.35
01 22 23 00-1149	WK	8" x 20' HDPE Pipe With Couplings.....	100.30
01 22 23 00-1150	MO	8" x 20' HDPE Pipe With Couplings.....	297.95
01 22 23 00-1151	DAY	10" x 20' HDPE Pipe With Couplings.....	47.20
01 22 23 00-1152	WK	10" x 20' HDPE Pipe With Couplings.....	120.95
01 22 23 00-1153	MO	10" x 20' HDPE Pipe With Couplings.....	368.75
01 22 23 00-1154	DAY	12" x 10' HDPE Pipe With Couplings.....	35.40
01 22 23 00-1155	WK	12" x 10' HDPE Pipe With Couplings.....	97.35
01 22 23 00-1156	MO	12" x 10' HDPE Pipe With Couplings.....	295.00
01 22 23 00-1157	DAY	4" Elbow For HDPE Pipe, Quick Connect.....	35.40
01 22 23 00-1158	WK	4" Elbow For HDPE Pipe, Quick Connect.....	91.45
01 22 23 00-1159	MO	4" Elbow For HDPE Pipe, Quick Connect.....	271.40
01 22 23 00-1160	DAY	6" Elbow For HDPE Pipe, Quick Connect.....	41.30
01 22 23 00-1161	WK	6" Elbow For HDPE Pipe, Quick Connect.....	106.20
01 22 23 00-1162	MO	6" Elbow For HDPE Pipe, Quick Connect.....	324.50
01 22 23 00-1163	DAY	8" Elbow For HDPE Pipe, Quick Connect.....	47.20
01 22 23 00-1164	WK	8" Elbow For HDPE Pipe, Quick Connect.....	120.95
01 22 23 00-1165	MO	8" Elbow For HDPE Pipe, Quick Connect.....	368.75
01 22 23 00-1166	DAY	10" Elbow For HDPE Pipe, Quick Connect.....	59.00
01 22 23 00-1167	WK	10" Elbow For HDPE Pipe, Quick Connect.....	150.45
01 22 23 00-1168	MO	10" Elbow For HDPE Pipe, Quick Connect.....	457.25
01 22 23 00-1169	DAY	12" Elbow For HDPE Pipe, Quick Connect.....	59.00
01 22 23 00-1170	WK	12" Elbow For HDPE Pipe, Quick Connect.....	150.45
01 22 23 00-1171	MO	12" Elbow For HDPE Pipe, Quick Connect.....	457.25
01 22 23 00-1172	DAY	4" Tee For HDPE Pipe, Quick Connect.....	35.40
01 22 23 00-1173	WK	4" Tee For HDPE Pipe, Quick Connect.....	91.45
01 22 23 00-1174	MO	4" Tee For HDPE Pipe, Quick Connect.....	271.40
01 22 23 00-1175	DAY	6" Tee For HDPE Pipe, Quick Connect.....	47.20
01 22 23 00-1176	WK	6" Tee For HDPE Pipe, Quick Connect.....	120.95
01 22 23 00-1177	MO	6" Tee For HDPE Pipe, Quick Connect.....	368.75
01 22 23 00-1178	DAY	8" Tee For HDPE Pipe, Quick Connect.....	59.00
01 22 23 00-1179	WK	8" Tee For HDPE Pipe, Quick Connect.....	150.45
01 22 23 00-1180	MO	8" Tee For HDPE Pipe, Quick Connect.....	457.25
01 22 23 00-1181	DAY	10" Tee For HDPE Pipe, Quick Connect.....	70.80
01 22 23 00-1182	WK	10" Tee For HDPE Pipe, Quick Connect.....	179.95
01 22 23 00-1183	MO	10" Tee For HDPE Pipe, Quick Connect.....	545.75
01 22 23 00-1184	DAY	12" Tee For HDPE Pipe, Quick Connect.....	70.80
01 22 23 00-1185	WK	12" Tee For HDPE Pipe, Quick Connect.....	179.95
01 22 23 00-1186	MO	12" Tee For HDPE Pipe, Quick Connect.....	545.75
01 22 23 00-1187	DAY	4" Cap For HDPE Pipe, Quick Connect.....	5.90
01 22 23 00-1188	WK	4" Cap For HDPE Pipe, Quick Connect.....	17.70
01 22 23 00-1189	MO	4" Cap For HDPE Pipe, Quick Connect.....	53.10
01 22 23 00-1190	DAY	6" Cap For HDPE Pipe, Quick Connect.....	5.90
01 22 23 00-1191	WK	6" Cap For HDPE Pipe, Quick Connect.....	17.70
01 22 23 00-1192	MO	6" Cap For HDPE Pipe, Quick Connect.....	53.10
01 22 23 00-1193	DAY	8" Cap For HDPE Pipe, Quick Connect.....	5.90
01 22 23 00-1194	WK	8" Cap For HDPE Pipe, Quick Connect.....	17.70
01 22 23 00-1195	MO	8" Cap For HDPE Pipe, Quick Connect.....	53.10
01 22 23 00-1196	DAY	10" Cap For HDPE Pipe, Quick Connect.....	5.90
01 22 23 00-1197	WK	10" Cap For HDPE Pipe, Quick Connect.....	17.70
01 22 23 00-1198	MO	10" Cap For HDPE Pipe, Quick Connect.....	53.10
01 22 23 00-1199	DAY	12" Cap For HDPE Pipe, Quick Connect.....	5.90
01 22 23 00-1200	WK	12" Cap For HDPE Pipe, Quick Connect.....	17.70
01 22 23 00-1201	MO	12" Cap For HDPE Pipe, Quick Connect.....	53.10
01 22 23 00-1202	DAY	4" Wye For HDPE Pipe, Quick Connect.....	17.70
01 22 23 00-1203	WK	4" Wye For HDPE Pipe, Quick Connect.....	44.25
01 22 23 00-1204	MO	4" Wye For HDPE Pipe, Quick Connect.....	135.70
01 22 23 00-1205	DAY	6" Wye For HDPE Pipe, Quick Connect.....	20.65
01 22 23 00-1206	WK	6" Wye For HDPE Pipe, Quick Connect.....	53.10
01 22 23 00-1207	MO	6" Wye For HDPE Pipe, Quick Connect.....	162.25
01 22 23 00-1208	DAY	8" Wye For HDPE Pipe, Quick Connect.....	35.40
01 22 23 00-1209	WK	8" Wye For HDPE Pipe, Quick Connect.....	91.45
01 22 23 00-1210	MO	8" Wye For HDPE Pipe, Quick Connect.....	271.40
01 22 23 00-1211	DAY	10" Wye For HDPE Pipe, Quick Connect.....	53.10
01 22 23 00-1212	WK	10" Wye For HDPE Pipe, Quick Connect.....	135.70
01 22 23 00-1213	MO	10" Wye For HDPE Pipe, Quick Connect.....	413.00
01 22 23 00-1214	DAY	12" Wye For HDPE Pipe, Quick Connect.....	53.10
01 22 23 00-1215	WK	12" Wye For HDPE Pipe, Quick Connect.....	135.70
01 22 23 00-1216	MO	12" Wye For HDPE Pipe, Quick Connect.....	413.00

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1217	<b>Temporary Building Services</b> <small>(01 22 23)</small>	
01 22 23 00-1218	<b>Boilers</b> <small>(01 22 23 00-1217)</small> Note: Excludes operator, delivery, set-up, and removal.	
01 22 23 00-1219	<b>Electric Boilers</b> <small>(01 22 23 00-1218)</small>	
01 22 23 00-1220	MO 40 MBH, 12 KW Electric Boiler Rental .....	2,596.85
01 22 23 00-1221	MO 60 MBH, 20 KW Electric Boiler Rental .....	2,832.97
01 22 23 00-1222	MO 95 MBH, 30 KW Electric Boiler Rental .....	2,951.03
01 22 23 00-1223	MO 135 MBH, 40 KW Electric Boiler Rental .....	3,305.09
01 22 23 00-1224	MO 165 MBH, 50 KW Electric Boiler Rental .....	4,603.51
01 22 23 00-1225	MO 215 MBH, 60 KW Electric Boiler Rental .....	5,311.77
01 22 23 00-1226	MO 365 MBH, 100 KW Electric Boiler Rental .....	6,964.37
01 22 23 00-1227	MO 510 MBH, 150 KW Electric Boiler Rental .....	8,498.90
01 22 23 00-1228	<b>Oil/Gas Fired Boilers</b> <small>(01 22 23 00-1218)</small>	
01 22 23 00-1229	MO Up To 100 HP, Gas/Oil Dual Fuel Boiler Rental..... <i>For &gt;3 Months Rental, Deduct</i>	2,288.00 -343.20
01 22 23 00-1230	MO >100 HP To 250 HP, Gas/Oil Dual Fuel Boiler Rental .....	2,974.40
01 22 23 00-1231	MO >250 HP To 500 HP, Gas/Oil Dual Fuel Boiler Rental .....	4,804.80
01 22 23 00-1232	MO >500 HP To 800 HP, Gas/Oil Dual Fuel Boiler Rental .....	6,635.20
	<i>For &gt;3 Months Rental, Deduct</i>	-995.28
01 22 23 00-1233	<b>Oil Fired Boilers</b> <small>(01 22 23 00-1218)</small>	
01 22 23 00-1234	MO 250 HP Oil Fired Boiler Rental .....	7,293.28
01 22 23 00-1235	MO 350 HP Oil Fired Boiler Rental .....	9,724.38
01 22 23 00-1236	MO 500 HP Oil Fired Boiler Rental .....	12,155.47
01 22 23 00-1237	MO 600 HP Oil Fired Boiler Rental .....	13,371.02
01 22 23 00-1238	<b>Boilers Setup</b> <small>(01 22 23 00-1218)</small>	
01 22 23 00-1239	EA Setup Rental Boiler .....	7,480.04
	Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	
01 22 23 00-1240	<b>Chillers</b> <small>(01 22 23 00-1217)</small> Note: Excludes operator, delivery, set-up, and removal.	
01 22 23 00-1241	<b>Air Cooled Chillers</b> <small>(01 22 23 00-1240)</small>	
01 22 23 00-1242	MO 25 Ton Air Cooled Chiller Rental .....	2,302.74
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-345.41
	<i>For &gt;6 Month Rental, Deduct</i>	-575.69
01 22 23 00-1243	MO 40 Ton Air Cooled Chiller Rental .....	3,684.39
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-552.66
	<i>For &gt;6 Month Rental, Deduct</i>	-921.10
01 22 23 00-1244	MO 60 Ton Air Cooled Chiller Rental .....	4,506.42
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-675.96
	<i>For &gt;6 Month Rental, Deduct</i>	-1,126.61
01 22 23 00-1245	MO 80 Ton Air Cooled Chiller Rental .....	5,328.46
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-799.27
	<i>For &gt;6 Month Rental, Deduct</i>	-1,332.12
01 22 23 00-1246	MO 100 Ton Air Cooled Chiller Rental .....	6,150.49
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-922.57
	<i>For &gt;6 Month Rental, Deduct</i>	-1,537.62
01 22 23 00-1247	MO 125 Ton Air Cooled Chiller Rental .....	7,125.46
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-1,068.82
	<i>For &gt;6 Month Rental, Deduct</i>	-1,781.37
01 22 23 00-1248	MO 155 Ton Air Cooled Chiller Rental .....	8,620.06
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-1,293.01
	<i>For &gt;6 Month Rental, Deduct</i>	-2,155.02
01 22 23 00-1249	MO 170 Ton Air Cooled Chiller Rental .....	9,217.91
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-1,382.69
	<i>For &gt;6 Month Rental, Deduct</i>	-2,304.48
01 22 23 00-1250	MO 200 Ton Air Cooled Chiller Rental .....	10,589.13
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-1,588.37
	<i>For &gt;6 Month Rental, Deduct</i>	-2,647.28
01 22 23 00-1251	MO 250 Ton Air Cooled Chiller Rental .....	12,599.90
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-1,889.99
	<i>For &gt;6 Month Rental, Deduct</i>	-3,149.98
01 22 23 00-1252	MO 300 Ton Air Cooled Chiller Rental .....	14,702.78
	Note: Includes trailer.	
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-2,205.42
	<i>For &gt;6 Month Rental, Deduct</i>	-3,675.70
01 22 23 00-1253	MO 400 Ton Air Cooled Chiller Rental .....	19,395.16
	Note: Includes trailer, pump and 200' of 6" hose.	
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-2,909.27
	<i>For &gt;6 Month Rental, Deduct</i>	-4,848.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1254 MO 500 Ton Air Cooled Chiller Rental ..... Note: Includes trailer, pump and 200' of 6" hose. For >3 To 6 Month Rental, Deduct For >6 Month Rental, Deduct	24,007.59 -3,601.14 -6,001.90	
01 22 23 00-1255 EA Setup Air Cooled Chiller Rental Unit..... Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.	5,199.54	
<b>01 22 23 00-1256 Chiller Rental Accessories (01 22 23 00-1240)</b>		
01 22 23 00-1257 MO 4" x 25' Flexible Water Hose For Chiller Rental .....	41.03	
01 22 23 00-1258 MO 6" x 25' Flexible Water Hose For Chiller Rental .....	51.29	
<b>01 22 23 00-1259 Cooling Tower (01 22 23 00-1217)</b> Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1260 MO 100 Ton Cooling Tower Rental ..... For >3 To 6 Months Rental, Deduct For >6 Months Rental, Deduct	2,113.15 -316.97 -528.29	
01 22 23 00-1261 MO 200 Ton Cooling Tower Rental ..... For >3 To 6 Months Rental, Deduct For >6 Months Rental, Deduct	3,846.75 -577.01 -961.69	
01 22 23 00-1262 MO 250 Ton Cooling Tower Rental ..... For >3 To 6 Months Rental, Deduct For >6 Months Rental, Deduct	4,356.26 -653.44 -1,089.07	
01 22 23 00-1263 MO 300 Ton Cooling Tower Rental ..... For >3 To 6 Months Rental, Deduct For >6 Months Rental, Deduct	4,923.84 -738.58 -1,230.96	
01 22 23 00-1264 MO 400 Ton Cooling Tower Rental ..... For >3 To 6 Months Rental, Deduct For >6 Months Rental, Deduct	6,154.80 -923.22 -1,538.70	
01 22 23 00-1265 MO 500 Ton Cooling Tower Rental ..... For >3 To 6 Months Rental, Deduct For >6 Months Rental, Deduct	7,196.02 -1,079.40 -1,799.01	
01 22 23 00-1266 MO Setup Rental Cooling Tower..... Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	5,199.54	
<b>01 22 23 00-1267 Emergency Cooler/Freezer (01 22 23 00-1217)</b> Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.		
01 22 23 00-1268 DAY 8 x 6 x 7 Emergency Cooler Rental .....	79.51	
01 22 23 00-1269 WK 8 x 6 x 7 Emergency Cooler Rental .....	424.04	
01 22 23 00-1270 DAY 10 x 7 x 7 Emergency Cooler Rental .....	159.02	
01 22 23 00-1271 WK 10 x 7 x 7 Emergency Cooler Rental .....	636.06	
01 22 23 00-1272 MO 10 x 7 x 7 Emergency Cooler Rental .....	1,590.15	
01 22 23 00-1273 DAY 10 x 7 x 7 Emergency Freezer Rental .....	185.52	
01 22 23 00-1274 WK 10 x 7 x 7 Emergency Freezer Rental .....	742.07	
01 22 23 00-1275 MO 10 x 7 x 7 Emergency Freezer Rental .....	1,908.18	
01 22 23 00-1276 DAY 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental .....	212.02	
01 22 23 00-1277 WK 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental .....	848.08	
01 22 23 00-1278 MO 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental .....	2,120.20	
<b>01 22 23 00-1279 Portable Spot Cooling Units (01 22 23 00-1217)</b> Note: Includes delivery to job site, up to 20' duct connection to existing system/exhaust and pick-up when complete. Excludes operator.		
01 22 23 00-1280 DAY 1 Ton Portable Spot Cooling Unit .....	178.64	
01 22 23 00-1281 WK 1 Ton Portable Spot Cooling Unit .....	387.04	
01 22 23 00-1282 MO 1 Ton Portable Spot Cooling Unit .....	914.93	
01 22 23 00-1283 DAY 1.5 Ton Portable Spot Cooling Unit .....	233.60	
01 22 23 00-1284 WK 1.5 Ton Portable Spot Cooling Unit .....	479.80	
01 22 23 00-1285 MO 1.5 Ton Portable Spot Cooling Unit .....	1,125.63	
01 22 23 00-1286 DAY 2 Ton Portable Spot Cooling Unit .....	314.90	
01 22 23 00-1287 WK 2 Ton Portable Spot Cooling Unit .....	658.43	
01 22 23 00-1288 MO 2 Ton Portable Spot Cooling Unit .....	1,219.53	
01 22 23 00-1289 DAY 3 Ton Portable Spot Cooling Unit .....	329.79	
01 22 23 00-1290 WK 3 Ton Portable Spot Cooling Unit .....	698.51	
01 22 23 00-1291 MO 3 Ton Portable Spot Cooling Unit .....	1,543.59	
01 22 23 00-1292 DAY 5 Ton Portable Spot Cooling Unit .....	515.30	
01 22 23 00-1293 WK 5 Ton Portable Spot Cooling Unit .....	1,042.04	
01 22 23 00-1294 MO 5 Ton Portable Spot Cooling Unit .....	2,165.38	
01 22 23 00-1295 DAY 10 To 12 Ton Portable Spot Cooling Unit .....	673.32	
01 22 23 00-1296 WK 10 To 12 Ton Portable Spot Cooling Unit .....	1,517.26	
01 22 23 00-1297 MO 10 To 12 Ton Portable Spot Cooling Unit .....	3,662.03	
01 22 23 00-1298 DAY 20 Ton Portable Spot Cooling Unit .....	772.94	
01 22 23 00-1299 WK 20 Ton Portable Spot Cooling Unit .....	1,774.90	
01 22 23 00-1300 MO 20 Ton Portable Spot Cooling Unit .....	4,946.83	
01 22 23 00-1301 DAY 25 Ton Portable Spot Cooling Unit .....	1,099.30	
01 22 23 00-1302 WK 25 Ton Portable Spot Cooling Unit .....	2,227.22	
01 22 23 00-1303 MO 25 Ton Portable Spot Cooling Unit .....	5,181.58	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>01 22 23 00-1304</b>	<b>Fuel Oil Tank</b> <small>(01 22 23 00-1217)</small>	
	Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes Off-road fuel costs. See CSI section 01 22 23 00-0775 for reimbursable fuel fees.	
01 22 23 00-1305	MO 100 Gallon Portable Double Wall Fuel Oil Tank Rental .....	416.54
01 22 23 00-1306	MO 275 Gallon Portable Double Wall Fuel Oil Tank Rental .....	647.96
01 22 23 00-1307	MO 500 Gallon Portable Double Wall Fuel Oil Tank Rental .....	1,619.89
01 22 23 00-1308	MO 1,000 Gallon Portable Double Wall Fuel Oil Tank Rental .....	2,699.81
01 22 23 00-1309	MO 2,300 Gallon Portable Double Wall Fuel Oil Tank Rental .....	3,563.75
01 22 23 00-1310	MO 5,000 Gallon Portable Double Wall Fuel Oil Tank Rental .....	6,366.42

**01 22 23 00-1311** **Truck And Trailer Equipment** (01 22 23)

<b>01 22 23 00-1312</b>	<b>Trucks</b> <small>(01 22 23 00-1311)</small>	
	Note: Includes driver, delivery, and removal.	
<b>01 22 23 00-1313</b>	<b>Flat Bed Trucks</b> <small>(01 22 23 00-1312)</small>	
	Note: Includes hydraulic tilt bed.	
01 22 23 00-1314	DAY 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	917.50
	<i>For Equipment Without Operator, Deduct</i>	-677.68
01 22 23 00-1315	WK 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	4,017.12
	<i>For Equipment Without Operator, Deduct</i>	-3,388.41
01 22 23 00-1316	MO 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	16,271.09
	<i>For Equipment Without Operator, Deduct</i>	-14,683.12
01 22 23 00-1317	DAY 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	1,021.20
	<i>For Equipment Without Operator, Deduct</i>	-677.68
01 22 23 00-1318	WK 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	4,282.86
	<i>For Equipment Without Operator, Deduct</i>	-3,388.41
01 22 23 00-1319	MO 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	16,951.64
	<i>For Equipment Without Operator, Deduct</i>	-14,683.12
01 22 23 00-1320	DAY 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	1,095.61
	<i>For Equipment Without Operator, Deduct</i>	-677.68
01 22 23 00-1321	WK 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	4,567.27
	<i>For Equipment Without Operator, Deduct</i>	-3,388.41
01 22 23 00-1322	MO 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	18,034.06
	<i>For Equipment Without Operator, Deduct</i>	-14,683.12

<b>01 22 23 00-1323</b>	<b>Boom Trucks</b> <small>(01 22 23 00-1312)</small>	
01 22 23 00-1324	DAY 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver .....	1,124.26
	<i>For Equipment Without Operator, Deduct</i>	-677.68
	<i>For High Rail Equipment, Add</i>	156.30
01 22 23 00-1325	WK 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver .....	4,551.19
	<i>For Equipment Without Operator, Deduct</i>	-3,388.41
	<i>For High Rail Equipment, Add</i>	406.97
01 22 23 00-1326	MO 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver .....	17,632.20
	<i>For Equipment Without Operator, Deduct</i>	-14,683.12
	<i>For High Rail Equipment, Add</i>	1,032.18

<b>01 22 23 00-1327</b>	<b>Light Off-Road Utility Passenger Vehicles</b> <small>(01 22 23 00-1312)</small>	
01 22 23 00-1328	DAY 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle .....	289.44
01 22 23 00-1329	WK 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle .....	669.33
01 22 23 00-1330	MO 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle .....	1,447.20
01 22 23 00-1331	DAY 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle .....	298.48
01 22 23 00-1332	WK 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle .....	696.46
01 22 23 00-1333	MO 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle .....	1,537.65

<b>01 22 23 00-1334</b>	<b>Light Duty Trucks</b> <small>(01 22 23 00-1312)</small>	
01 22 23 00-1335	DAY 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver .....	920.91
	<i>For Equipment Without Operator, Deduct</i>	-670.83
01 22 23 00-1336	WK 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver .....	4,174.73
	<i>For Equipment Without Operator, Deduct</i>	-3,354.15
01 22 23 00-1337	MO 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver .....	16,253.94
	<i>For Equipment Without Operator, Deduct</i>	-14,534.64
01 22 23 00-1338	DAY 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver .....	967.80
	<i>For Equipment Without Operator, Deduct</i>	-670.83
01 22 23 00-1339	WK 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver .....	4,315.39
	<i>For Equipment Without Operator, Deduct</i>	-3,354.15
01 22 23 00-1340	MO 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver .....	16,566.54
	<i>For Equipment Without Operator, Deduct</i>	-14,534.64

<b>01 22 23 00-1341</b>	<b>Rear Dump Trucks</b> <small>(01 22 23 00-1312)</small>	
01 22 23 00-1342	DAY 2.5 CY Rear Dump Truck With Full-Time Truck Driver .....	1,043.93
	<i>For Equipment Without Operator, Deduct</i>	-677.68
01 22 23 00-1343	WK 2.5 CY Rear Dump Truck With Full-Time Truck Driver .....	4,355.79
	<i>For Equipment Without Operator, Deduct</i>	-3,388.41
01 22 23 00-1344	MO 2.5 CY Rear Dump Truck With Full-Time Truck Driver .....	17,644.98
	<i>For Equipment Without Operator, Deduct</i>	-14,683.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1345 DAY 4 CY Rear Dump Truck With Full-Time Truck Driver .....	1,165.35	
<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-1346 WK 4 CY Rear Dump Truck With Full-Time Truck Driver .....	4,732.00	
<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-1347 MO 4 CY Rear Dump Truck With Full-Time Truck Driver .....	18,166.50	
<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
01 22 23 00-1348 DAY 6 CY Rear Dump Truck With Full-Time Truck Driver .....	1,235.02	
<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-1349 WK 6 CY Rear Dump Truck With Full-Time Truck Driver .....	4,881.29	
<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-1350 MO 6 CY Rear Dump Truck With Full-Time Truck Driver .....	18,266.02	
<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
01 22 23 00-1351 DAY 13 CY Rear Dump Truck With Full-Time Truck Driver .....	2,061.08	
<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-1352 WK 13 CY Rear Dump Truck With Full-Time Truck Driver .....	6,583.16	
<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-1353 MO 13 CY Rear Dump Truck With Full-Time Truck Driver .....	23,043.22	
<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
01 22 23 00-1354 DAY 18 CY Rear Dump Truck With Full-Time Truck Driver .....	2,199.42	
<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-1355 WK 18 CY Rear Dump Truck With Full-Time Truck Driver .....	6,902.64	
<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-1356 MO 18 CY Rear Dump Truck With Full-Time Truck Driver .....	23,879.23	
<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
<b>01 22 23 00-1357 Vacuum Trucks</b> <small>(01 22 23 00-1312)</small>		
01 22 23 00-1358 DAY 5,000 Gallon Vacuum Truck With Full-Time Truck Driver .....	2,051.12	
<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-1359 WK 5,000 Gallon Vacuum Truck With Full-Time Truck Driver .....	7,524.67	
<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-1360 MO 5,000 Gallon Vacuum Truck With Full-Time Truck Driver .....	26,888.87	
<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
<b>01 22 23 00-1361 Water Trucks</b> <small>(01 22 23 00-1312)</small>		
<small>Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1107 for additional discharge hose, 01 22 23 00-1380 for water trailer.</small>		
01 22 23 00-1362 DAY 2,000 Gallon Water Truck With Full-Time Driver .....	1,313.30	
<i>For Equipment Without Operator, Deduct</i>	-677.68	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	13.97	
01 22 23 00-1363 WK 2,000 Gallon Water Truck With Full-Time Driver .....	5,062.22	
<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	13.97	
01 22 23 00-1364 MO 2,000 Gallon Water Truck With Full-Time Driver .....	18,638.12	
<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	13.97	
01 22 23 00-1365 DAY 3,700 To 4,000 Gallon Water Truck With Full-Time Driver .....	1,624.06	
<i>For Equipment Without Operator, Deduct</i>	-677.68	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	13.97	
01 22 23 00-1366 WK 3,700 To 4,000 Gallon Water Truck With Full-Time Driver .....	5,994.47	
<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	13.97	
01 22 23 00-1367 MO 3,700 To 4,000 Gallon Water Truck With Full-Time Driver .....	21,039.37	
<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	13.97	
<b>01 22 23 00-1368 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board</b> <small>(01 22 23 00-1312)</small>		
01 22 23 00-1369 DAY Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver .....	1,382.37	
<i>For Equipment Without Operator, Deduct</i>	-670.83	
01 22 23 00-1370 WK Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver .....	5,454.09	
<i>For Equipment Without Operator, Deduct</i>	-3,354.15	
01 22 23 00-1371 MO Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver .....	19,634.27	
<i>For Equipment Without Operator, Deduct</i>	-14,534.64	
<b>01 22 23 00-1372 Combination Jet/Vacuum Trucks</b> <small>(01 22 23 00-1312)</small>		
01 22 23 00-1373 DAY 500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver .....	3,053.81	
<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-1374 WK 500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver .....	14,511.58	
<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-1375 DAY 1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver .....	3,468.44	
<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-1376 WK 1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver .....	16,923.60	
<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-1377 DAY 2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver .....	3,867.12	
<i>For Equipment Without Operator, Deduct</i>	-677.68	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1378 WK 2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	19,335.61	-3,388.41
<b>01 22 23 00-1379 Trailers</b> <small>(01 22 23 00-1311)</small> Note: Includes delivery to job site and pick-up when complete.		
<b>01 22 23 00-1380 Water Trailers With Pump</b> <small>(01 22 23 00-1379)</small>		
01 22 23 00-1381 DAY 500 To 600 Gallon Water Trailer With Pump	162.44	
01 22 23 00-1382 WK 500 To 600 Gallon Water Trailer With Pump	416.69	
01 22 23 00-1383 MO 500 To 600 Gallon Water Trailer With Pump	1,115.88	
<b>01 22 23 00-1384 Trailer Mounted Equipment</b> <small>(01 22 23 00-1311)</small>		
<b>01 22 23 00-1385 Trailer Mounted Under-Bridge Aerial Access Platform</b> <small>(01 22 23 00-1384)</small> Note: Includes full-time operator. Excludes truck.		
01 22 23 00-1386 DAY Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,743.57	-677.68
01 22 23 00-1387 WK Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,586.07	-3,388.41
01 22 23 00-1388 MO Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	31,898.85	-14,683.12
01 22 23 00-1389 DAY Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,950.16	-677.68
01 22 23 00-1390 WK Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,205.84	-3,388.41
01 22 23 00-1391 MO Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	33,620.42	-14,683.12
<b>01 22 23 00-1392 Trailer Mounted Bridge Stripping Buggy</b> <small>(01 22 23 00-1384)</small>		
01 22 23 00-1393 DAY Trailer Mounted Bridge Overhang Stripping Buggy	234.42	
01 22 23 00-1394 WK Trailer Mounted Bridge Overhang Stripping Buggy	703.30	
01 22 23 00-1395 MO Trailer Mounted Bridge Overhang Stripping Buggy	1,953.53	
<b>01 22 23 00-1396 Portable Trailer Mounted, CCTV Camera Systems</b> <small>(01 22 23 00-1384)</small> Note: Includes trailer. Excludes truck.		
01 22 23 00-1397 MO Portable Trailer Mounted, Single Camera, CCTV Camera System	2,713.50	
01 22 23 00-1398 MO Portable Trailer Mounted, Multi-Camera/Loud Speaker, CCTV Camera System	4,703.40	
<b>01 22 23 00-1399 Truck Scales, Portable</b> <small>(01 22 23 00-1311)</small> Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1400 MO 30' Portable Truck Scale, Up To 90000 Lbs.	9,054.42	
01 22 23 00-1401 MO 45' Portable Truck Scale, Up To 130000 Lbs.	11,557.00	

**01 30 Administrative Requirements** (01)

**01 31 Project Management and Coordination** (01 30)

**01 31 33 Project Minimum Labor Costs** (01 31)

**01 31 33 00-0001 Minimum Charge** (01 31 33)

Note: Use item exclusively for projects when the sum of line items is less than the minimum charge per occurrence. Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.

01 31 33 00-0002 EA Carpenter Minimum Charge	986.63
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0003 EA Carpet, Linoleum Minimum Charge	831.16
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0004 EA Cement Mason Minimum Charge	734.46
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0005 EA Drywall Finisher Minimum Charge	890.67
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0006 EA Drywall Installer Minimum Charge	967.27
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0007 EA Electrician Minimum Charge	912.18
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0008 EA Glazier Minimum Charge	807.64
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0009 EA Insulator Minimum Charge	873.46
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 31 33 00-0010 EA Laborer Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	654.86	
01 31 33 00-0011 EA Landscape Maintenance Worker Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	779.86	
01 31 33 00-0012 EA Ornamental Metal Worker Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	968.16	
01 31 33 00-0013 EA Painter, Ordinary Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	653.87	
01 31 33 00-0014 EA Plasterer Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	914.69	
01 31 33 00-0015 EA Plumber Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,026.44	
01 31 33 00-0016 EA Roofer, Tile/Slate Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	927.44	
01 31 33 00-0017 EA Roofer, Composite Built-Up Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	927.44	
01 31 33 00-0018 EA Sheet Metal Worker Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	993.15	
01 31 33 00-0019 EA Sprinkler Installer Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	885.87	
01 31 33 00-0020 EA Tile Layer (Floor) Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	805.08	

## 01 35 Special Procedures (01 30)

### 01 35 29 Health, Safety, and Emergency Response Procedures (01 35)

See CSI section 02 90 00 00-0000 for disaster recovery task.

#### 01 35 29 00-0001 Emergency Response (01 35 29)

See CSI section 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0039 for container usage.

01 35 29 00-0002 MI Trucking Delivery Of 20' Shipping Container .....	2.52
01 35 29 00-0003 MI Trucking Delivery Of 40' Shipping Container .....	5.05

### 01 35 33 Infection Control Procedures (01 35)

See CSI section 02 87 19 00-0000 for Bio-Hazard And Infectious Disease Control Remediation.

## 01 40 Quality Requirements (01)

### 01 45 Quality Control (01 40)

#### 01 45 23 Testing and Inspecting Services (01 45)

Note: For application to existing materials/site conditions only. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.

##### 01 45 23 00-0001 Soils/Aggregate Testing (01 45 23)

##### 01 45 23 00-0002 Field Soils Tests (01 45 23 00-0001)

01 45 23 00-0003 EA Plasticity Index Soils Test, ASTM D-4318, Field Soils Test .....	330.57
01 45 23 00-0004 EA 4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test .....	469.19
01 45 23 00-0005 EA 6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test .....	533.18
01 45 23 00-0006 EA Resistance (R) Value Soils Test, CA 301, Field Soils Test .....	426.54
01 45 23 00-0007 EA Soils Classification Test, ASTM D-2487, Field Soils Test .....	639.81
01 45 23 00-0008 SET Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test .....	1,279.18
01 45 23 00-0009 EA Moisture Content, Field Soils Test .....	47.97
01 45 23 00-0010 EA UBC Or Swell Test, Field Soils Test .....	168.05
01 45 23 00-0011 EA Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test .....	319.80
01 45 23 00-0012 EA Proctor Compaction 6" Standard Mold, Field Soils Test .....	399.74
01 45 23 00-0013 EA Density And Classification Test, Field Soils Test .....	127.92
01 45 23 00-0014 EA Percolation Test, Field Soils Test .....	319.80
01 45 23 00-0015 EA Infiltration Test, Field Soils Test .....	639.59

##### 01 45 23 00-0016 Aggregate Testing (01 45 23 00-0001)

01 45 23 00-0017 EA Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202 .....	106.64
01 45 23 00-0018 EA Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202 .....	191.94
01 45 23 00-0019 EA Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202 .....	266.59
01 45 23 00-0020 EA Sieve Analysis, Pit Run, ASTM C136 .....	207.87
Note: Includes wash.	
01 45 23 00-0021 EA Specific Special Gravity, Course, ASTM C127 .....	169.42
Note: Includes absorption test.	

**01 General Requirements****01 40 Quality Requirements****01 45 Quality Control**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0022	EA		Special Gravity, Fine, ASTM C127 ..... Note: Includes absorption test.	151.90	
01 45 23 00-0023	EA		Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128 .....	225.90	
01 45 23 00-0024	EA		Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128 .....	213.27	
01 45 23 00-0025	EA		Aggregate Cleanness Value, ASTM C-128, CA 227 .....	213.27	
01 45 23 00-0026	EA		Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217 .....	159.95	
01 45 23 00-0027	EA		Fine Aggregate Durability Index, CA 229 .....	170.62	
01 45 23 00-0028	EA		Sodium And Magnesium Soundness, ASTM C88.....	447.71	
01 45 23 00-0029	EA		Los Angeles Rattler, ASTM C-131, CA 211 .....	341.23	
01 45 23 00-0030	EA		Los Angeles Rattler, ASTM C-535.....	341.23	
01 45 23 00-0031	EA		Unit Weight Of Aggregates, ASTM C29 .....	95.97	
01 45 23 00-0032	EA		Organic Impurities In Sand, ASTM C40 .....	95.94	
01 45 23 00-0033	EA		Crushed Particle, ASTM California Test Method .....	95.94	
01 45 23 00-0034	EA		Clay Lump And Friable Particles, ASTM C142 .....	191.88	
<b>01 45 23 00-0035</b>			<b>Permeability Tests</b> (01 45 23 00-0001)		
<b>01 45 23 00-0036</b>			<b>In-Place Tests</b> (01 45 23 00-0035)		
01 45 23 00-0037	EA		Double Ring Infiltrometer Test, ASTM D3385.....	1,694.25	
01 45 23 00-0038	EA		Unconfined Compressive Strength (Pocket Penetrometer) Test .....	79.95	
<b>01 45 23 00-0039</b>			<b>Lab Tests</b> (01 45 23 00-0035)		
01 45 23 00-0040	EA		Falling Head Rigid Wall Consolidometer Technique CAE.....	790.65	
01 45 23 00-0041	EA		Falling Head Permeability Test EPA-9100.....	790.65	
01 45 23 00-0042	EA		Constant Head Permeability Test For Granular Soils, ASTM D2432.....	451.80	
<b>01 45 23 00-0043</b>			<b>Concrete/Cement/Asphalt Testing</b> (01 45 23)		
<b>01 45 23 00-0044</b>			<b>Concrete Testing</b> (01 45 23 00-0043)		
01 45 23 00-0045	EA		Prepare 6 x 12 Concrete Cylinder And Deliver To Lab.....	22.92	
01 45 23 00-0046	EA		6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633 .....	67.77	
01 45 23 00-0047	EA		Concrete Cores Compression Test, ASTM C-42 .....	138.63	
01 45 23 00-0048	EA		6 x 6 x 18 Concrete Flexural Test, ASTM C-78 .....	202.61	
01 45 23 00-0049	EA		Unit Weight Of Concrete Cylinder, ASTM C-567 .....	74.64	
01 45 23 00-0050	EA		Concrete Mix Design Review.....	405.21	
01 45 23 00-0051	EA		Trial Concrete Batch Prepared In Laboratory .....	959.72	
01 45 23 00-0052	EA		Concrete Shrinkage, ASTM C-157 Modified .....	746.44	
01 45 23 00-0053	EA		6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496.....	115.17	
01 45 23 00-0054	EA		Concrete Slump Test, ASTM C143.....	53.32	
01 45 23 00-0055	EA		Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231 .....	53.32	
<b>01 45 23 00-0056</b>			<b>Cement Testing</b> (01 45 23 00-0043)		
01 45 23 00-0057	EA		Cement Grab Sample (CCR Title 24) .....	53.32	
			Note: Includes sealing and storing 1 year.		
01 45 23 00-0058	EA		2" x 2" x 2" Cube Compression Test, All Type Materials.....	85.31	
<b>01 45 23 00-0059</b>			<b>Asphaltic Concrete Testing</b> (01 45 23 00-0043)		
01 45 23 00-0060	EA		Hveem Asphaltic Concrete Stability Test, CA 366 .....	106.64	
01 45 23 00-0061	EA		Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927 .....	277.25	
01 45 23 00-0062	EA		Stability Tests, Premixed, ASTM D1559.....	106.64	
01 45 23 00-0063	EA		Stability Tests, Lab. Mixed, ASTM D1559.....	277.25	
01 45 23 00-0064	EA		Swell Test, CA 305 .....	127.96	
			Note: Includes compaction.		
01 45 23 00-0065	EA		% Asphalt Extraction Test, ASTM D-2172 B.....	319.90	
01 45 23 00-0066	EA		Maximum Theoretical Unit Weight, ASTM C2041.....	203.31	
01 45 23 00-0067	EA		Unit Weight Sample Requiring Compaction, California Test Method 308.....	42.65	
01 45 23 00-0068	EA		Asphalt Unit Weight On Core Test, CA 308C .....	42.65	
01 45 23 00-0069	HR		Nuclear Field Density Testing, 4 Hour Minimum .....	219.67	
01 45 23 00-0070	EA		Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664.....	143.91	
01 45 23 00-0071	EA		Penetration, ASTM D5.....	154.04	
<b>01 45 23 00-0072</b>			<b>Masonry/Concrete Block/Tile Testing</b> (01 45 23)		
<b>01 45 23 00-0073</b>			<b>Masonry Testing</b> (01 45 23 00-0072)		
01 45 23 00-0074	EA		2" x 4" Cylinder Mortar Compression Test .....	70.38	
01 45 23 00-0075	EA		4" x 4" x 8" Grout Prisms Compression Test.....	70.38	
01 45 23 00-0076	EA		Masonry Cores Compression Test.....	138.63	
01 45 23 00-0077	EA		Composite Grouted Prism Compression Test.....	266.59	
<b>01 45 23 00-0078</b>			<b>Concrete Block Testing (ASTM C140 Or CMA Per Specimen)</b> (01 45 23 00-0072)		
01 45 23 00-0079	EA		Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140 .....	170.62	
01 45 23 00-0080	EA		Absorption Test, Moisture Content And Unit Weight.....	117.30	
01 45 23 00-0081	EA		First Unit, Moisture Condition By Relative Humidity, ASTM C427 .....	447.71	
01 45 23 00-0082	EA		Moisture Condition By Relative Humidity, ASTM C427, Additional Unit.....	223.86	



<b>General Requirements</b>		<b>01</b>
<b>Quality Requirements</b>		<b>01 40</b>
<b>Quality Control</b>		<b>01 45</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 45 23 00-0083</b>	<b>Metals Testing (01 45 23)</b>	
<b>01 45 23 00-0084</b>	<b>Tank Line Tightness Testing (01 45 23 00-0083)</b>	
01 45 23 00-0085 EA	Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing .....	397.91
01 45 23 00-0086 EA	>12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing.....	441.83
01 45 23 00-0087 EA	>29,999 Gallons, Tank Line Volumetric Tightness Testing.....	485.61
<b>01 45 23 00-0088</b>	<b>Other Testing (01 45 23)</b>	
<b>01 45 23 00-0089</b>	<b>Special Testing (01 45 23 00-0088)</b>	
01 45 23 00-0090 EA	Asphalt Roofing Cut-out Samples, To Determine Unit Weight.....	165.31
01 45 23 00-0091 EA	Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617 .....	991.86
01 45 23 00-0092 EA	Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria).....	49.84
01 45 23 00-0093 EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample.....	206.72
01 45 23 00-0094 EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample.....	206.72
01 45 23 00-0095 EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample.....	206.72
01 45 23 00-0096 EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample .....	1,136.96
01 45 23 00-0097 EA	Testing And Certification Of Backflow Valves.....	491.05
<b>01 45 23 00-0098</b>	<b>Nondestructive Field Testing Services (01 45 23 00-0088)</b>	
<b>01 45 23 00-0099</b>	<b>Infrared Thermography (01 45 23 00-0098)</b>	
	Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.	
<b>01 45 23 00-0100</b>	<b>Roof Investigation And Moisture Survey Using Infrared Thermography (01 45 23 00-0099)</b>	
	Note: For on the roof surveys.	
01 45 23 00-0101 EA	Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge.....	3,720.96
01 45 23 00-0102 CSF	Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography .....	6.20
	<i>For CADD Drawings, Add</i>	1.24
01 45 23 00-0103 CSF	>10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	4.13
	<i>For CADD Drawings, Add</i>	0.83
01 45 23 00-0104 CSF	>50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	3.10
	<i>For CADD Drawings, Add</i>	0.62
	<i>For Elevated Infrared Thermography Roof Investigation, Add</i>	0.78
	<i>For Aerial Infrared Thermography Roof Investigation, Add</i>	0.78
01 45 23 00-0105 CSF	>250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	2.07
	<i>For CADD Drawings, Add</i>	0.41
	<i>For Elevated Infrared Thermography Roof Investigation, Add</i>	0.52
	<i>For Aerial Infrared Thermography Roof Investigation, Add</i>	0.52
<b>01 45 23 00-0106</b>	<b>Building Moisture Investigation Using Infrared Thermography (01 45 23 00-0099)</b>	
	Note: For finding moisture in walls and windows.	
01 45 23 00-0107 EA	Building Moisture Investigation Using Infrared Thermography, Mobilization Charge .....	1,963.84
01 45 23 00-0108 CSF	Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography .....	6.20
	<i>For Digital Or Analog Recording Of All Items, Add</i>	3.10
01 45 23 00-0109 CSF	>1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography.....	4.13
	<i>For Digital Or Analog Recording Of All Items, Add</i>	2.07
01 45 23 00-0110 CSF	>5,000 SF, Building Moisture Investigation Using Infrared Thermography.....	2.07
	<i>For Digital Or Analog Recording Of All Items, Add</i>	1.04
<b>01 45 23 00-0111</b>	<b>General Building Investigation Using Infrared Thermography (01 45 23 00-0099)</b>	
	Note: For finding missing or misplaced insulation, air leakage and delamination.	
01 45 23 00-0112 EA	General Building Investigation Using Infrared Thermography, Mobilization Charge.....	4,031.04
01 45 23 00-0113 CSF	Up To 1,000 SF, General Building Investigation Using Infrared Thermography .....	6.20
	<i>For Digital Or Analog Recording Of All Items, Add</i>	3.10
01 45 23 00-0114 CSF	>1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography.....	4.13
	<i>For Digital Or Analog Recording Of All Items, Add</i>	2.07
01 45 23 00-0115 CSF	>5,000 SF, General Building Investigation Using Infrared Thermography .....	2.07
	<i>For Digital Or Analog Recording Of All Items, Add</i>	1.04
<b>01 45 23 00-0116</b>	<b>Electrical /Mechanical Equipment Scanning Using Infrared Thermography (01 45 23 00-0099)</b>	
	Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.	
01 45 23 00-0117 EA	Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge.....	1,963.84
01 45 23 00-0118 HR	Electrical /Mechanical Equipment Scanning Using Infrared Thermography .....	170.96
	<i>For Digital Or Analog Recording Of All Items, Add</i>	25.57
<b>01 45 23 00-0119</b>	<b>Concrete Block Wall Investigation Using Infrared Thermography (01 45 23 00-0099)</b>	
	Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.	
01 45 23 00-0120 EA	Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge .....	1,963.84

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 40</b>	<b>Quality Requirements</b>
	<b>01 45</b>	<b>Quality Control</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0121 CSF Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography.....	6.20	
For Digital Or Analog Recording Of All Items, Add	0.93	
01 45 23 00-0122 CSF >50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography .....	4.13	
For Digital Or Analog Recording Of All Items, Add	0.62	
<b>01 45 23 00-0123 Other Nondestructive Field Testing Services (01 45 23 00-0098)</b>		
01 45 23 00-0124 HR ASNT Certified Level I NDT Consultant .....	81.78	
01 45 23 00-0125 HR ASNT Certified Level II NDT Consultant .....	102.05	
01 45 23 00-0126 HR ASNT Certified Level III NDT Consultant .....	117.18	
01 45 23 00-0127 HR Certified Industrial Radiography Radiation Safety Personnel .....	72.02	
<b>01 45 23 00-0128 Testing Professional Services (01 45 23 00-0088)</b>		
01 45 23 00-0129 HR Concrete, Steel, Masonry, Expansion Anchor And Soils Inspection .....	198.34	
01 45 23 00-0130 HR Laboratory Technician .....	191.94	
01 45 23 00-0131 HR Portable Digital Reinforcement Scanner .....	277.25	
01 45 23 00-0132 HR Subsurface Detection Radar System .....	469.19	
01 45 23 00-0133 HR Pavement Rehabilitation Analysis Using Deflectors.....	533.18	
<b>01 45 29 Testing Laboratory Services (01 45)</b>		
<b>01 45 29 00-0001 Soil Borings Laboratory Tests (01 45 29)</b>		
01 45 29 00-0002 EA Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test.....	146.84	
01 45 29 00-0003 EA Shrinkage Limit, Soil Borings Laboratory Test .....	46.85	
01 45 29 00-0004 EA Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test.....	112.95	
01 45 29 00-0005 EA Consolidation, Soil Borings Laboratory Test.....	790.65	
01 45 29 00-0006 EA Swell Test, Soil Borings Laboratory Test .....	156.14	
01 45 29 00-0007 EA In Place Density, Soil Borings Laboratory Test.....	33.88	
01 45 29 00-0008 EA Moisture Content, ASTM D2216, Soil Borings Laboratory Test .....	21.05	
01 45 29 00-0009 EA Hydrometer Analysis, Soil Borings Laboratory Test.....	271.78	
01 45 29 00-0010 EA Specific Gravity, ASTM D854, Soil Borings Laboratory Test .....	94.76	
01 45 29 00-0011 EA Partial Sieve Analysis, Soil Borings Laboratory Test .....	18.74	
01 45 29 00-0012 EA Laboratory Permeability, Soil Borings Laboratory Test.....	936.94	
01 45 29 00-0013 EA Sieve Analysis, ASTM D422, Soil Borings Laboratory Test.....	189.51	
01 45 29 00-0014 EA Sulfate Soundness, Soil Borings Laboratory Test.....	234.23	
01 45 29 00-0015 EA Los Angeles Abrasion, Soil Borings Laboratory Test.....	546.16	
01 45 29 00-0016 EA Soil Bearing Ratio, ASTM D1883.....	479.86	
01 45 29 00-0017 EA Compaction Test Subgrade, Soil Borings Laboratory Test .....	140.54	
01 45 29 00-0018 EA Compaction Test Base Course, Soil Borings Laboratory Test .....	118.91	
01 45 29 00-0019 EA In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test .....	462.13	
01 45 29 00-0020 EA Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test.....	71.83	
<b>01 50 Temporary Facilities and Controls (01)</b>		
Note: Tasks in this section shall be used as directed by owner.		
<b>01 51 Temporary Utilities (01 50)</b>		
<b>01 51 13 Temporary Electricity (01 51)</b>		
<b>01 51 13 00-0001 Temporary Service Switch And/Or Building Feeder Switch (01 51 13)</b>		
Note: Includes all connections and removal after use.		
01 51 13 00-0002 EA Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses .....	1,292.36	
01 51 13 00-0003 EA Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses .....	1,996.21	
01 51 13 00-0004 EA Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses .....	3,692.95	
01 51 13 00-0005 EA Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses .....	6,164.90	
<b>01 51 13 00-0006 Temporary 120/208 Volt Main Lug Panelboard Complete With Branch Fuses (01 51 13)</b>		
Note: Includes mounting on wall and removal after use.		
01 51 13 00-0007 EA Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	1,377.24	
01 51 13 00-0008 EA Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	1,888.67	
01 51 13 00-0009 EA Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	2,964.37	
01 51 13 00-0010 EA Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	4,161.15	
<b>01 51 13 00-0011 Temporary Conduit And Cable For Temporary Disconnect Switches And Temporary Panelboards (01 51 13)</b>		
Note: Includes all connections, fittings, supports and removal after use.		
01 51 13 00-0012 LF Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards .....	11.38	
01 51 13 00-0013 LF Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards .....	12.47	
<b>01 51 26 Temporary Lighting (01 51)</b>		
<b>01 51 26 00-0001 Temporary Lighting Devices (01 51 26)</b>		
Note: Includes removal after use.		
01 51 26 00-0002 EA Temporary Exit Light.....	311.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 51 26 00-0003	EA	Temporary 10 Light String With Cages.....	102.06
01 51 26 00-0004	EA	Temporary High Bay Light.....	367.27

**01 52 Construction Facilities** (01 50)

Note: Tasks in this section shall be used as directed by owner for owner's use. See CSI section 13 34 23 13-0030 for anchors for holding down portable buildings and structures where required.

**01 52 13 Field Offices and Sheds** (01 52)

**01 52 13 00-0001 Field Offices and Office Trailers** (01 52 13)

Note: Excludes furniture, utility connections and service. Minimum 6 months rental.

01 52 13 00-0002	MO	8' x 24' Mobile Office, With Toilet.....	180.51
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	921.78
		<i>For Each Set-Up (Block And Level), Add</i>	420.89
		<i>For Each Anchoring Into Dirt, Add</i>	128.35
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52
		<i>For Office Trailer Without Toilet, Deduct</i>	-36.10
01 52 13 00-0003	MO	8' x 32' Mobile Office, With Toilet.....	204.57
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	921.78
		<i>For Each Set-Up (Block And Level), Add</i>	420.89
		<i>For Each Anchoring Into Dirt, Add</i>	128.35
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52
		<i>For Office Trailer Without Toilet, Deduct</i>	-40.91
01 52 13 00-0004	MO	10' x 36' Mobile Office, With Toilet.....	276.77
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,305.86
		<i>For Each Set-Up (Block And Level), Add</i>	686.71
		<i>For Each Anchoring Into Dirt, Add</i>	128.35
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52
		<i>For Office Trailer Without Toilet, Deduct</i>	-55.35
01 52 13 00-0005	MO	10' x 40' Mobile Office, With Toilet.....	294.83
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,305.86
		<i>For Each Set-Up (Block And Level), Add</i>	686.71
		<i>For Each Anchoring Into Dirt, Add</i>	128.35
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52
		<i>For Office Trailer Without Toilet, Deduct</i>	-58.97
01 52 13 00-0006	MO	10' x 44' Mobile Office, With Toilet.....	324.91
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,305.86
		<i>For Each Set-Up (Block And Level), Add</i>	686.71
		<i>For Each Anchoring Into Dirt, Add</i>	128.35
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52
01 52 13 00-0007	MO	10' x 50' Mobile Office, With Toilet.....	342.96
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,305.86
		<i>For Each Set-Up (Block And Level), Add</i>	686.71
		<i>For Each Anchoring Into Dirt, Add</i>	128.35
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52
01 52 13 00-0008	MO	12' x 32' Mobile Office, With Toilet.....	265.34
		<i>For Each Anchoring Into Dirt, Add</i>	128.35
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52
		<i>For Each Delivery And Set-Up (Block And Level), Add</i>	1,037.00
		<i>For Each Knock-Down And Pick-Up, Add</i>	842.00
01 52 13 00-0009	MO	12' x 44' Mobile Office, With Toilet.....	354.76
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,305.86
		<i>For Each Set-Up (Block And Level), Add</i>	686.71
		<i>For Each Anchoring Into Dirt, Add</i>	128.35
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52
01 52 13 00-0010	MO	12' x 50' Mobile Office, With Toilet.....	403.13
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,305.86
		<i>For Each Set-Up (Block And Level), Add</i>	686.71
		<i>For Each Anchoring Into Dirt, Add</i>	128.35
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52
01 52 13 00-0011	MO	12' x 60' Mobile Office, With Toilet.....	439.23
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,305.86
		<i>For Each Set-Up (Block And Level), Add</i>	686.71
		<i>For Each Anchoring Into Dirt, Add</i>	128.35
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52
01 52 13 00-0012	MO	24' x 60' Modular Office, With Toilet.....	962.68
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	2,458.08
		<i>For Each Set-Up (Block And Level), Add</i>	1,107.60
		<i>For Each Anchoring Into Dirt, Add</i>	128.35
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52
01 52 13 00-0013	MO	24' x 72' Modular Office, With Toilet.....	1,155.22
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	2,458.08
		<i>For Each Set-Up (Block And Level), Add</i>	1,107.60
		<i>For Each Anchoring Into Dirt, Add</i>	128.35
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52
01 52 13 00-0014	MO	30' x 30' Modular Office, With Toilet.....	549.03
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	2,458.08
		<i>For Each Set-Up (Block And Level), Add</i>	1,107.60
		<i>For Each Anchoring Into Dirt, Add</i>	128.35
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52

**01 52 13 00-0015 Accessories For Field Office Trailers** (01 52 13)

Note: Costs includes installation or placement in trailer.

01 52 13 00-0016	MO	Desk For Field Office Trailer.....	55.02
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<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 52</b>	<b>Construction Facilities</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 52 13 00-0017	MO	Rolling Desk Chair For Field Office Trailer.....	34.39	
01 52 13 00-0018	MO	File Cabinet For Field Office Trailer .....	41.26	
01 52 13 00-0019	MO	Table For Field Office Trailer .....	27.51	
01 52 13 00-0020	MO	Folding Chair For Field Office Trailer .....	13.03	
01 52 13 00-0021	EA	Phone Hook-Up For Field Office Trailer .....	151.30	
01 52 13 00-0022	MO	Local Phone Service Per Phone Line For Field Office Trailer.....	96.28	
01 52 13 00-0023	MO	Security System With Monitoring For Field Office Trailer.....	173.35	
01 52 13 00-0024	LF	Perimeter Trailer Skirting For Field Office Trailer.....	15.41	
01 52 13 00-0025	LF	Insulated Perimeter Trailer Skirting For Field Office Trailer .....	36.49	
01 52 13 00-0026	MO	Steps For Field Office Trailer .....	44.92	
01 52 13 00-0027	MO	Fax Machine For Field Office Trailer.....	68.77	
01 52 13 00-0028	YR	Single Port Firewall Router .....	381.48	
01 52 13 00-0029	YR	8 Port Ethernet Switch .....	152.08	
01 52 13 00-0030	YR	16 Port Ethernet Switch .....	167.54	
01 52 13 00-0031	YR	Cisco Modular Router, #1751 .....	1,411.24	
01 52 13 00-0032	YR	Wyse 3235LE System.....	1,080.01	
01 52 13 00-0033	YR	Desktop Computer Workstation With 17" Monitor.....	1,128.99	
01 52 13 00-0034	YR	Laserjet 4200TN Printer.....	1,639.04	
01 52 13 00-0035	YR	Mobile Communication Device, Motorola CT250 .....	677.91	
01 52 13 00-0036	YR	Laser Fax Machine, Brother Intellifax-4750 .....	565.33	
01 52 13 00-0037	YR	Copier With 3 Paper Trays, Sorter, Collating And Zoom.....	744.93	
01 52 13 00-0038	MO	Copier For Field Office Trailer.....	110.03	
<b>01 52 13 00-0039 Storage Containers (01 52 13)</b>				
01 52 13 00-0040	MO	8' x 8' x 10' Storage Container .....	221.38	
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	176.76	
		<i>For &gt;12 Months, Deduct</i>	-66.41	
01 52 13 00-0041	MO	8' x 8' x 20' Storage Container .....	231.44	
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	194.44	
		<i>For &gt;12 Months, Deduct</i>	-69.43	
01 52 13 00-0042	MO	8' x 8' x 40' Storage Container .....	273.70	
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	391.59	
		<i>For &gt;12 Months, Deduct</i>	-82.11	
01 52 13 00-0043	EA	Relocate Up To 100' Storage Container On Site .....	193.66	
01 52 13 00-0044	EA	Relocate >100' To 300' Storage Container On Site .....	242.07	
01 52 13 00-0045	EA	Relocate >300' To 500' Storage Container On Site .....	338.90	
01 52 13 00-0046	EA	Relocate >500' Storage Container On Site.....	387.31	

**01 52 19 Sanitary Facilities (01 52)**

<b>01 52 19 00-0001 Portable Toilets (01 52 19)</b>				
Note: Includes set-up, servicing once per week (unless task states otherwise) and removal.				
01 52 19 00-0002	WK	Portable Chemical Toilet.....	37.49	
		<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
		<i>For Each Delivery, Add</i>	45.00	
01 52 19 00-0003	MO	Portable Chemical Toilet.....	112.48	
		<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
		<i>For Each Delivery, Add</i>	45.00	
01 52 19 00-0004	WK	Americans With Disabilities Act Compliant Portable Chemical Toilet.....	44.72	
		<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
		<i>For Each Delivery, Add</i>	45.00	
01 52 19 00-0005	MO	Americans With Disabilities Act Compliant Portable Chemical Toilet.....	131.23	
		<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
		<i>For Each Delivery, Add</i>	45.00	
01 52 19 00-0006	WK	Two Station Portable Handwash.....	52.71	
		<i>For Each Delivery, Add</i>	45.00	
01 52 19 00-0007	MO	Two Station Portable Handwash.....	159.90	
		<i>For Each Delivery, Add</i>	45.00	
01 52 19 00-0008	MO	6 Station, Portable Toilets, Multi Trailer .....	4,372.42	
		Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink)		
01 52 19 00-0009	WK	Service 6 Station Trailer Restrooms, 3 Times Per Week.....	2,205.20	
		<i>For One Additional Service Per Week, Add</i>	735.07	
		Note: For one less service per week, UOM to be negative one (-1)		

**01 53 Temporary Construction (01 50)**

**01 53 16 Temporary Decking (01 53)**

<b>01 53 16 00-0001 Temporary Walkways And Railings (01 53 16)</b>				
Note: Includes removal after use.				
01 53 16 00-0002	SF	Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers .....	7.54	
01 53 16 00-0003	LF	Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail .....	32.05	
01 53 16 00-0004	LF	Temporary Wood Guardrail Base, 12" x 12" Timber Beam.....	14.41	
01 53 16 00-0005	RSR	Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers.....	24.97	

**01 53 23 Temporary Ramps (01 53)**

<b>01 53 23 00-0001 Temporary Plywood For Wheel Barrow Access (01 53 23)</b>				
Note: Includes removal after use.				



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 53 23 00-0002 SF Temporary Plywood For Wheel Barrow Access.....	1.61	0.47
<b>01 54 Construction Aids <small>(01 50)</small></b>		
<b>01 54 09 Personnel Protection Equipment <small>(01 54)</small></b>		
01 54 09 00-0001 Personnel Protection Equipment <small>(01 54 09)</small> Note: Personnel Protection Equipment (PPE) for workers safety is considered as part of the Contractor's and Workers responsibility. Includes, but are not limited to; protective work gloves, hearing protection, protective clothing, reflective vests, safety glasses or face shields, dust masks, hard hats, appropriate foot protection (slip resistant, puncture-resistant soles, safety-toed), safety harnesses with lifeline, etc. Review JOC Note and specifications for requirements.		
01 54 09 00-0002 NTE Personnel Protection Equipment .....	0.00	
Note: For specification publishing. Review specifications for requirements.		
<b>01 54 23 Temporary Scaffolding and Platforms <small>(01 54)</small></b>		
01 54 23 00-0001 Scaffolding <small>(01 54 23)</small> Note: Additional scaffolding rental for work above the normal working height.		
01 54 23 00-0002 Scaffolding Rental - Rental Only <small>(01 54 23 00-0001)</small> Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.		
01 54 23 00-0003 CCF Scaffolding With Bracing Accessories - Area Based On 5' Wide Sections (CCF / Month).....	28.77	
For Up To 25, Add	11.51	
For >25 To 50, Add	7.19	
For >50 To 150, Add	2.88	
01 54 23 00-0004 CCF Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month).....	32.35	
For Up To 25, Add	12.94	
For >25 To 50, Add	8.09	
For >50 To 150, Add	3.24	
01 54 23 00-0005 CCF Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month).....	43.15	
For Up To 25, Add	17.26	
For >25 To 50, Add	10.79	
For >50 To 150, Add	4.32	
01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only <small>(01 54 23 00-0001)</small> Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.		
01 54 23 00-0007 CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	49.74	
01 54 23 00-0008 CCF >20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	62.17	
01 54 23 00-0009 CCF >40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	74.60	
01 54 23 00-0010 CCF >60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	82.07	
01 54 23 00-0011 CCF >80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	94.50	
01 54 23 00-0012 CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set Up On Stairs, Per CCF Of Scaffolding And Accessories .....	59.69	
01 54 23 00-0013 Heavy Duty Masonry Scaffolding Rental - Rental Only <small>(01 54 23 00-0001)</small> Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0019 for erection.		
01 54 23 00-0014 CCF Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month).....	65.80	
01 54 23 00-0015 CCF Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 2' Wide Sections (CCF / Month).....	120.63	
01 54 23 00-0016 LF Aluminum Joists (LF / Month) .....	10.70	
01 54 23 00-0017 LF Aluminum Stringers (LF / Month) .....	15.34	
01 54 23 00-0018 EA Screw Jack With U-Plate For Stringers (EA / Month).....	19.33	
01 54 23 00-0019 Heavy Duty Masonry Scaffolding Erection And Dismantling - Labor Only <small>(01 54 23 00-0001)</small> Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.		
01 54 23 00-0020 CCF Up To 20' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	79.57	
01 54 23 00-0021 CCF >20' To 40' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	99.47	
01 54 23 00-0022 CCF >40' To 60' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	119.37	
01 54 23 00-0023 CCF >60' To 80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	129.31	
01 54 23 00-0024 CCF >80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	144.24	
01 54 23 00-0025 Scaffolding Accessories <small>(01 54 23 00-0001)</small> See CSI section 01 54 23 00-0019 for erection.		
01 54 23 00-0026 CSF Netting for Exterior Building Scaffolding .....	38.46	
Note: Includes removal after use.		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>01 54 23 00-0027</b>	<b>Rolling Scaffolding</b> <small>(01 54 23)</small>		
	Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.		
01 54 23 00-0028	DAY >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....	11.48	
01 54 23 00-0029	WK >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....	45.99	
01 54 23 00-0030	MO >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....	183.93	
01 54 23 00-0031	DAY >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....	19.21	
01 54 23 00-0032	WK >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....	76.95	
01 54 23 00-0033	MO >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....	307.82	
01 54 23 00-0034	EA >14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold .....	99.10	
01 54 23 00-0035	EA >20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold .....	123.88	

<b>01 54 23 00-0036</b>	<b>Shoring Posts</b> <small>(01 54 23)</small>		
	Note: Includes moving to perform task and removal after use. No additional cost for relocating will be allowed.		
01 54 23 00-0037	DAY 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post .....	7.73	
01 54 23 00-0038	WK 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post .....	23.18	
01 54 23 00-0039	MO 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post .....	38.63	

<b>01 54 23 00-0040</b>	<b>Temporary Lumber, Single Use</b> <small>(01 54 23)</small>		
	Note: Includes removal after use.		
01 54 23 00-0041	SF 5/16" CD Grade Plywood, Temporary Lumber .....	2.60	
01 54 23 00-0042	SF 1/2" CD Grade Plywood, Temporary Lumber .....	3.18	
01 54 23 00-0043	SF 5/8" CD Grade Plywood, Temporary Lumber .....	3.39	
01 54 23 00-0044	SF 3/4" CD Grade Plywood, Temporary Lumber .....	3.83	
01 54 23 00-0045	SF 1" CD Grade Plywood, Temporary Lumber .....	5.88	
01 54 23 00-0046	LF 2" x 4" Temporary Lumber .....	3.09	
01 54 23 00-0047	LF 2" x 6" Temporary Lumber .....	3.95	
01 54 23 00-0048	LF 2" x 8" Temporary Lumber .....	4.81	
01 54 23 00-0049	LF 2" x 10" Temporary Lumber .....	5.67	
01 54 23 00-0050	LF 2" x 12" Temporary Lumber .....	6.52	
01 54 23 00-0051	LF 3" x 8" Temporary Lumber .....	6.52	
01 54 23 00-0052	LF 3" x 10" Temporary Lumber .....	7.82	
01 54 23 00-0053	LF 3" x 12" Temporary Lumber .....	9.11	
01 54 23 00-0054	LF 4" x 4" Temporary Lumber .....	4.26	
01 54 23 00-0055	LF 4" x 6" Temporary Lumber .....	6.17	
01 54 23 00-0056	LF 6" x 6" Temporary Lumber .....	8.08	
01 54 23 00-0057	LF 6" x 8" Temporary Lumber .....	10.51	
01 54 23 00-0058	LF 12" x 12" Temporary Lumber .....	26.12	

<b>01 54 23 00-0059</b>	<b>Temporary Precast Concrete Blocks</b> <small>(01 54 23)</small>		
	Note: Includes removal after use.		
01 54 23 00-0060	EA 2' x 2' x 2' Temporary Precast Concrete Block .....	109.10	
01 54 23 00-0061	EA 2' x 2' x 4' Temporary Precast Concrete Block .....	136.37	
01 54 23 00-0062	EA 2' x 2' x 8' Temporary Precast Concrete Block .....	179.07	

<b>01 54 26</b>	<b>Temporary Swing Staging</b> <small>(01 54)</small>		
	Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.		

<b>01 54 26 00-0001</b>	<b>Swing Stage</b> <small>(01 54 26)</small>		
	Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.		
01 54 26 00-0002	MO 7' Swing Stage, Electric Operated .....	2,892.02	
01 54 26 00-0003	MO 10' Swing Stage, Electric Operated .....	3,036.62	
01 54 26 00-0004	MO 14' Swing Stage, Electric Operated .....	3,181.22	
01 54 26 00-0005	MO 20' Swing Stage, Electric Operated .....	3,325.82	
01 54 26 00-0006	MO 24' Swing Stage, Electric Operated .....	3,470.43	
01 54 26 00-0007	MO 30' Swing Stage, Electric Operated .....	3,615.03	
01 54 26 00-0008	MO 42' Swing Stage, Electric Operated .....	3,759.63	
01 54 26 00-0009	MO 12' Swing Stage, Manually Operated .....	833.93	
01 54 26 00-0010	MO 24' Swing Stage, Manually Operated .....	1,042.42	
01 54 26 00-0011	EA Swing Stage Platform From Hooks, Erection And Dismantling .....	4,225.26	
	Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.		
01 54 26 00-0012	EA Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling .....	5,871.71	
	Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.		
01 54 26 00-0013	EA Move Swing Stage Platform From Hooks To Different Location At Same Roof .....	2,221.73	
01 54 26 00-0014	EA Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof .....	3,094.56	

## 01 55 Vehicular Access and Parking (01 50)

### 01 55 23 Temporary Roads (01 55)

<b>01 55 23 00-0001</b>	<b>Temporary Stabilized Construction Entrance</b> <small>(01 55 23)</small>		
	Note: As per Caltrans detail.		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 23 00-0002 SF 3" To 4" Rock Temporary Stabilized Construction Entrance Assembly .....3.05 Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	3.05	
01 55 23 00-0003 SF >4" To 6" Rock Temporary Stabilized Construction Entrance Assembly .....3.87 Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	3.87	
<b>01 55 23 00-0004 Rumble Trench Plate (01 55 23)</b>		
01 55 23 00-0005 MO 8' x 10' Steel Rumble Trench Plate Rental.....386.26	386.26	
01 55 23 00-0006 EA Placement And Removal Of Rumble Plate .....87.95 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	87.95	
01 55 23 00-0007 EA Relocate And Adjust Location Of Rumble Plate.....21.98 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	21.98	
<b>01 55 23 00-0008 Temporary Road Ramps (Godwin) (01 55 23)</b>		
Note: Excludes asphalt and gravel.		
01 55 23 00-0009 EA 4" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....4,707.40	4,707.40	195.61
01 55 23 00-0010 EA 6" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....6,404.28	6,404.28	293.41
01 55 23 00-0011 EA 8" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....8,851.81	8,851.81	391.22
01 55 23 00-0012 EA 12" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....18,430.42	18,430.42	489.02
01 55 23 00-0013 EA 24" Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin).....27,070.73	27,070.73	586.82
<b>01 55 26 Traffic Control (01 55)</b>		
<b>01 55 26 00-0001 Temporary Removable Preformed Traffic Black Line Mask (01 55 26)</b>		
Note: Includes installation and removal after use.		
01 55 26 00-0002 LF 6" Removable Traffic Black Line Mask .....4.90	4.90	
01 55 26 00-0003 LF 8" Removable Traffic Black Line Mask .....5.95	5.95	
<b>01 55 26 00-0004 Temporary Preformed Traffic Line Tape (01 55 26)</b>		
Note: Includes installation and removal after use.		
01 55 26 00-0005 LF 4" Reflective Removable Traffic Line Tape.....4.96	4.96	
01 55 26 00-0006 LF 6" Reflective Removable Traffic Line Tape.....6.80	6.80	
01 55 26 00-0007 LF 8" Reflective Removable Traffic Line Tape.....8.55	8.55	
<b>01 55 26 00-0008 Temporary Painted Traffic Lines (01 55 26)</b>		
Note: Includes installation and removal after use.		
01 55 26 00-0009 LF 4" Temporary Painted Traffic Lines.....2.14	2.14	
For Not Removed, Deduct	-1.47	
01 55 26 00-0010 LF 6" Temporary Painted Traffic Lines.....2.83	2.83	
For Not Removed, Deduct	-2.02	
01 55 26 00-0011 LF 8" Temporary Painted Traffic Lines.....3.56	3.56	
For Not Removed, Deduct	-2.54	
<b>01 55 26 00-0012 Temporary Pedestrian Traffic Control (01 55 26)</b>		
01 55 26 00-0013 CLF 1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange .....11.99	11.99	
01 55 26 00-0014 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange .....16.29	16.29	
01 55 26 00-0015 CLF 3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....8.53	8.53	
01 55 26 00-0016 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....10.75	10.75	
01 55 26 00-0017 CLF 3", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent .....12.11	12.11	
01 55 26 00-0018 CLF 6", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent .....17.60	17.60	
01 55 26 00-0019 CLF 1" Exterior Vinyl Tape (Warning Tape) .....14.96	14.96	
01 55 26 00-0020 CLF 2" Exterior Vinyl Tape (Warning Tape) .....21.92	21.92	
01 55 26 00-0021 CLF 3" Exterior Vinyl Tape (Warning Tape) .....28.68	28.68	
01 55 26 00-0022 CLF 4" Exterior Vinyl Tape (Warning Tape) .....33.61	33.61	
<b>01 55 26 00-0023 Linear Delineation System, Temporary Or Permanent (01 55 26)</b>		
Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.		
01 55 26 00-0024 LF 4" Linear Delineation System.....10.79	10.79	
01 55 26 00-0025 LF 6" Linear Delineation System.....14.65	14.65	
<b>01 55 26 00-0026 Temporary Traffic Protection (01 55 26)</b>		
<b>01 55 26 00-0027 Temporary Portable Traffic Control Device Usage (01 55 26 00-0026)</b>		
Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0108 for delivery, placing and removal.		
01 55 26 00-0028 DAY 28" Cone With Reflective Collar.....0.83	0.83	
01 55 26 00-0029 WK 28" Cone With Reflective Collar.....2.49	2.49	
01 55 26 00-0030 MO 28" Cone With Reflective Collar.....7.47	7.47	
01 55 26 00-0031 DAY 36" Traffic Cone With Reflective Collar.....1.04	1.04	
01 55 26 00-0032 WK 36" Traffic Cone With Reflective Collar.....3.11	3.11	
01 55 26 00-0033 MO 36" Traffic Cone With Reflective Collar.....9.33	9.33	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 55 26 00-0034	DAY	Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post	1.95	
01 55 26 00-0035	WK	Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post	5.86	
01 55 26 00-0036	MO	Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post	17.58	
01 55 26 00-0037	DAY	Vertical Panel	2.51	
01 55 26 00-0038	WK	Vertical Panel	7.52	
01 55 26 00-0039	MO	Vertical Panel	22.55	
01 55 26 00-0040	DAY	Channelizer Drum	2.72	
01 55 26 00-0041	WK	Channelizer Drum	8.16	
01 55 26 00-0042	MO	Channelizer Drum	24.48	
01 55 26 00-0043	DAY	Stackable Channelizer Panel	1.29	
01 55 26 00-0044	WK	Stackable Channelizer Panel	3.86	
01 55 26 00-0045	MO	Stackable Channelizer Panel	11.57	
01 55 26 00-0046	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	1.78	
01 55 26 00-0047	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	5.34	
01 55 26 00-0048	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	16.03	
01 55 26 00-0049	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	3.95	
01 55 26 00-0050	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	11.84	
01 55 26 00-0051	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	35.53	
01 55 26 00-0052	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails	4.50	
01 55 26 00-0053	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails	13.50	
01 55 26 00-0054	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails	40.49	
01 55 26 00-0055	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	8.23	
01 55 26 00-0056	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	24.69	
01 55 26 00-0057	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	74.06	
01 55 26 00-0058	DAY	Up To 10' Wide A Frame Barricade	4.51	
01 55 26 00-0059	WK	Up To 10' Wide A Frame Barricade	13.54	
01 55 26 00-0060	MO	Up To 10' Wide A Frame Barricade	40.62	
01 55 26 00-0061	DAY	Type A Or C Flasher	0.92	
01 55 26 00-0062	WK	Type A Or C Flasher	2.76	
01 55 26 00-0063	MO	Type A Or C Flasher	8.28	
01 55 26 00-0064	DAY	Type B Flasher (High Intensity)	4.99	
01 55 26 00-0065	WK	Type B Flasher (High Intensity)	14.97	
01 55 26 00-0066	MO	Type B Flasher (High Intensity)	44.91	

#### 01 55 26 00-0067 Temporary Traffic Barriers Usage (01 55 26 00-0026)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0108 for delivery, placing and removal.

01 55 26 00-0068	DAY	6' Long Portable Parking Curbs	2.15	
01 55 26 00-0069	WK	6' Long Portable Parking Curbs	6.45	
01 55 26 00-0070	MO	6' Long Portable Parking Curbs	19.34	
01 55 26 00-0071	DAY	6' Long Portable Speed Bumps	6.36	
01 55 26 00-0072	WK	6' Long Portable Speed Bumps	19.08	
01 55 26 00-0073	MO	6' Long Portable Speed Bumps	57.24	
01 55 26 00-0074	DAY	Up To 12.5' Concrete Traffic Barrier	15.28	
01 55 26 00-0075	WK	Up To 12.5' Concrete Traffic Barrier	45.84	
01 55 26 00-0076	MO	Up To 12.5' Concrete Traffic Barrier	137.51	
01 55 26 00-0077	DAY	>12.5' To 20' Concrete Traffic Barrier	30.56	
01 55 26 00-0078	WK	>12.5' To 20' Concrete Traffic Barrier	91.68	
01 55 26 00-0079	MO	>12.5' To 20' Concrete Traffic Barrier	275.03	
01 55 26 00-0080	DAY	6' x 32" Tall Plastic Water Barrier	18.25	
01 55 26 00-0081	WK	6' x 32" Tall Plastic Water Barrier	54.74	
01 55 26 00-0082	MO	6' x 32" Tall Plastic Water Barrier	164.23	
01 55 26 00-0083	DAY	6' x 46" Tall Plastic Water Barrier	26.06	
01 55 26 00-0084	WK	6' x 46" Tall Plastic Water Barrier	78.17	
01 55 26 00-0085	MO	6' x 46" Tall Plastic Water Barrier	234.50	
01 55 26 00-0086	DAY	Sand Filled Crash Attenuator Barrels	10.20	
01 55 26 00-0087	WK	Sand Filled Crash Attenuator Barrels	30.60	
01 55 26 00-0088	MO	Sand Filled Crash Attenuator Barrels	91.79	

#### 01 55 26 00-0089 Temporary Portable Signs And Message Displays Usage (01 55 26 00-0026)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0108 for delivery, placing and removal.

01 55 26 00-0090	DAY	Mesh Or Vinyl Roll-up Sign With Stand	8.01	
01 55 26 00-0091	WK	Mesh Or Vinyl Roll-up Sign With Stand	24.02	
01 55 26 00-0092	MO	Mesh Or Vinyl Roll-up Sign With Stand	72.06	
01 55 26 00-0093	DAY	Aluminum Sign And Post	3.71	
01 55 26 00-0094	WK	Aluminum Sign And Post	11.14	
01 55 26 00-0095	MO	Aluminum Sign And Post	33.43	
01 55 26 00-0096	DAY	Aluminum Sign And A Frame Stand	6.05	
01 55 26 00-0097	WK	Aluminum Sign And A Frame Stand	18.16	
01 55 26 00-0098	MO	Aluminum Sign And A Frame Stand	54.49	
01 55 26 00-0099	DAY	Trailer Mounted Flashing Arrow Board	140.00	
01 55 26 00-0100	WK	Trailer Mounted Flashing Arrow Board	387.50	
01 55 26 00-0101	MO	Trailer Mounted Flashing Arrow Board	1,025.00	
01 55 26 00-0102	DAY	Trailer Mounted Portable Variable Message Sign (PVMS)	339.99	
01 55 26 00-0103	WK	Trailer Mounted Portable Variable Message Sign (PVMS)	906.64	
01 55 26 00-0104	MO	Trailer Mounted Portable Variable Message Sign (PVMS)	1,813.28	
01 55 26 00-0105	DAY	Two Head, Trailer Mounted Traffic Signal System (Set Of Two)	1,361.99	

Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0106 WK Two Head, Trailer Mounted Traffic Signal System (Set Of Two) .....4,085.97 Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	4,085.97	
01 55 26 00-0107 MO Two Head, Trailer Mounted Traffic Signal System (Set Of Two) ..... 12,257.91 Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	12,257.91	
<b>01 55 26 00-0108 Place And Remove Temporary Traffic Protection Using Truck</b> <small>(01 55 26 00-0026)</small> Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0039 for delivery >15 miles.		
01 55 26 00-0109 EA Placement And Removal Of Up To 250 Cones Using Truck .....3.46	3.46	
01 55 26 00-0110 EA Placement And Removal Of >250 Cones Using Truck .....3.02	3.02	
01 55 26 00-0111 EA Placement And Removal Of Up To 250 Panels/Channelizers Using Truck .....5.70	5.70	
01 55 26 00-0112 EA Placement And Removal Of >250 Panels/Channelizers Using Truck.....4.75	4.75	
01 55 26 00-0113 EA Placement And Removal Of Up To 250 Barricades Using Truck.....8.63	8.63	
01 55 26 00-0114 EA Placement And Removal Of >250 Barricades Using Truck .....6.91	6.91	
01 55 26 00-0115 EA Placement And Removal Of Curbs/Speed Bumps Using Truck.....8.63	8.63	
01 55 26 00-0116 EA Placement And Removal Of Portable Sign And Stand Using Truck.....5.18	5.18	
01 55 26 00-0117 EA Placement And Removal Of Aluminum Sign And Post Using Truck.....21.59	21.59	
01 55 26 00-0118 EA Placement And Removal Of Trailer Mounted Boards And Signals Using Truck .....64.74	64.74	
01 55 26 00-0119 EA Placement And Removal Of Up To 12.5' Concrete Traffic Barrier .....87.95 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	87.95	
For 1 Barrier, Add	219.88	
For 2 Barriers, Add	79.16	
For 3 Barriers, Add	26.39	
01 55 26 00-0120 EA Placement And Removal Of >12.5' Concrete Traffic Barrier.....131.92 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	131.92	
For 1 Barrier, Add	329.80	
For 2 Barriers, Add	118.73	
For 3 Barriers, Add	39.58	
01 55 26 00-0121 EA Placement And Removal Of Plastic Water Barrier .....50.96 Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.	50.96	
For 1 Barrier, Add	109.93	
For 2 Barriers, Add	39.57	
For 3 Barriers, Add	13.19	
01 55 26 00-0122 EA Placement And Removal Of Crash Attenuator Barrels .....65.95 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	65.95	
For 1 Barrier, Add	164.88	
For 2 Barriers, Add	59.36	
For 3 Barriers, Add	19.79	
<b>01 55 26 00-0123 Place And Remove Temporary Traffic Protection From Roadside (Daily)</b> <small>(01 55 26 00-0026)</small>		
01 55 26 00-0124 EA Placement And Removal Of Up To 250 Cones By Hand From Roadside .....2.15	2.15	
01 55 26 00-0125 EA Placement And Removal Of >250 Cones By Hand From Roadside .....1.73	1.73	
01 55 26 00-0126 EA Placement And Removal Of Up To 250 Panels/Channelizers By Hand From Roadside.....2.88	2.88	
01 55 26 00-0127 EA Placement And Removal Of >250 Panels/Channelizers By Hand From Roadside.....2.29	2.29	
01 55 26 00-0128 EA Placement And Removal Of Up To 250 Barricades By Hand From Roadside.....4.32	4.32	
01 55 26 00-0129 EA Placement And Removal Of >250 Barricades By Hand From Roadside .....3.46	3.46	
01 55 26 00-0130 EA Placement And Removal Of Portable Sign And Stand From Roadside .....2.57	2.57	
01 55 26 00-0131 EA Placement And Removal Of Trailer Mounted Boards And Signals From Roadside.....32.37	32.37	
01 55 26 00-0132 EA Roadside Relocation Of Concrete Traffic Barrier.....43.97 Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	43.97	
<b>01 55 26 00-0133 Temporary Rumble Strips</b> <small>(01 55 26)</small> Note: Includes removal after use.		
01 55 26 00-0134 LF 1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip.....12.90	12.90	
01 55 26 00-0135 LF 1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip.....9.24	9.24	
<b>01 56 Temporary Barriers and Enclosures</b> <small>(01 50)</small> Note: Includes removal after use.		
<b>01 56 16 Temporary Dust Barriers</b> <small>(01 56)</small>		
<b>01 56 16 00-0001 Temporary Sheeting For Protection</b> <small>(01 56 16)</small> Note: Includes removal after use.		
01 56 16 00-0002 SF 6 Mil, Plastic Sheeting, Applied To Floors .....0.35	0.35	
01 56 16 00-0003 SF 6 Mil, Plastic Sheeting, Applied To Walls.....0.44	0.44	
01 56 16 00-0004 SF 6 Mil, Plastic Sheeting, Applied To Ceilings.....0.59	0.59	
01 56 16 00-0005 SF 6 Mil, Plastic Sheeting, Applied To Scaffolding.....0.58	0.58	
01 56 16 00-0006 SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors.....0.43	0.43	
01 56 16 00-0007 SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls.....0.52	0.52	
01 56 16 00-0008 SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings.....0.67	0.67	
01 56 16 00-0009 SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding.....0.63	0.63	
01 56 16 00-0010 SF 10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....0.82	0.82	
01 56 16 00-0011 SF 6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Floors.....0.46	0.46	

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 56</b>	<b>Temporary Barriers and Enclosures</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0012 SF 6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Walls.....	0.55	
01 56 16 00-0013 SF 6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Ceilings.....	0.70	
01 56 16 00-0014 SF 6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Scaffolding.....	0.66	
01 56 16 00-0015 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Floors.....	0.45	
01 56 16 00-0016 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Walls.....	0.54	
01 56 16 00-0017 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings.....	0.69	
01 56 16 00-0018 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.65	
01 56 16 00-0019 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors.....	0.52	
01 56 16 00-0020 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls.....	0.61	
01 56 16 00-0021 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings.....	0.76	
01 56 16 00-0022 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.72	
<b>01 56 16 00-0023 Temporary Canvas For Protection (01 56 16)</b> Note: Includes removal after use.		
01 56 16 00-0024 SF Heavy Duty Woven Water Repellant Canvas, Applied To Walls.....	0.92	
<b>01 56 16 00-0025 Accessories For Temporary Sheeting (01 56 16)</b> Note: Includes removal after use.		
01 56 16 00-0026 EA 7' Zipper Door For Plastic Sheeting.....	20.78	
01 56 16 00-0027 LF Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall)..... Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors.	8.79	
<b>01 56 16 00-0028 Temporary Critical Barriers For Protection (01 56 16)</b> Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.		
01 56 16 00-0029 EA Up To 1 SF Individual Critical Barriers..... Note: For Outlets And Receptacles	11.06	
01 56 16 00-0030 EA >1 To 4 SF Individual Critical Barriers..... Note: For diffusers, ceiling speakers, return grilles, etc.	16.79	
01 56 16 00-0031 EA >4 To 8 SF Individual Critical Barriers..... Note: For diffusers, return grilles, access doors, light fixtures, etc.	22.58	
01 56 16 00-0032 EA >8 To 32 SF Individual Critical Barriers..... Note: For doors, windows, etc.	35.44	
<b>01 56 16 00-0033 Temporary Stud Wall (01 56 16)</b> Note: Includes removal after use.		
<b>01 56 16 00-0034 Temporary Stud Wall With Drywall (01 56 16 00-0033)</b> Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
<b>01 56 16 00-0035 Temporary Stud Wall With Drywall (01 56 16 00-0034)</b>		
01 56 16 00-0036 SF 3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center..... For Metal Studs 24" On Center, Add/Deduct	6.10 0.76	
01 56 16 00-0037 SF 1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center..... For Metal Studs 24" On Center, Add/Deduct	6.10 0.76	
01 56 16 00-0038 SF 5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center..... For Metal Studs 24" On Center, Add/Deduct	6.19 0.76	
01 56 16 00-0039 SF 3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center..... For Metal Studs 24" On Center, Add/Deduct	8.35 0.85	
01 56 16 00-0040 SF 1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center..... For Metal Studs 24" On Center, Add/Deduct	8.35 0.85	
01 56 16 00-0041 SF 5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center..... For Metal Studs 24" On Center, Add/Deduct	8.54 0.85	
<b>01 56 16 00-0042 Temporary Stud Wall With Fire Rated Drywall (01 56 16 00-0034)</b>		
01 56 16 00-0043 SF 1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center..... For Metal Studs 24" On Center, Add/Deduct	6.21 0.76	
01 56 16 00-0044 SF 5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center..... For Metal Studs 24" On Center, Add/Deduct	6.24 0.76	
01 56 16 00-0045 SF 5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center..... For Metal Studs 24" On Center, Add/Deduct	6.18 0.76	
01 56 16 00-0046 SF 3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center..... For Metal Studs 24" On Center, Add/Deduct	6.92 0.76	
01 56 16 00-0047 SF 1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center..... For Metal Studs 24" On Center, Add/Deduct	8.57 0.85	
01 56 16 00-0048 SF 5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center..... For Metal Studs 24" On Center, Add/Deduct	8.63 0.85	
01 56 16 00-0049 SF 5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center..... For Metal Studs 24" On Center, Add/Deduct	8.52 0.85	
01 56 16 00-0050 SF 3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center..... For Metal Studs 24" On Center, Add/Deduct	10.00 0.85	
<b>01 56 16 00-0051 Temporary Stud Wall With Oriented Strand Board (OSB) (01 56 16 00-0033)</b> Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0052 SF 7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.29	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.76	
01 56 16 00-0053 SF 1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.37	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.76	
01 56 16 00-0054 SF 5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.61	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.76	
01 56 16 00-0055 SF 3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.74	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.76	
01 56 16 00-0056 SF 7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	8.74	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.85	
01 56 16 00-0057 SF 1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	8.90	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.85	
01 56 16 00-0058 SF 5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	9.37	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.85	
01 56 16 00-0059 SF 3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	9.63	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.85	
<b>01 56 16 00-0060 Temporary Stud Wall With BC Plywood</b> <small>(01 56 16 00-0033)</small>		
Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0061 SF 3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.85	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.76	
01 56 16 00-0062 SF 1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.16	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.76	
01 56 16 00-0063 SF 5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.28	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.76	
01 56 16 00-0064 SF 3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.51	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.76	
01 56 16 00-0065 SF 3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	9.86	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.85	
01 56 16 00-0066 SF 1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	10.47	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.85	
01 56 16 00-0067 SF 5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	10.73	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.85	
01 56 16 00-0068 SF 3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	11.19	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.85	
<b>01 56 16 00-0069 Temporary Stud Wall With Plastic Sheeting</b> <small>(01 56 16 00-0033)</small>		
Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use.		
01 56 16 00-0070 SF 6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	3.59	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.66	
01 56 16 00-0071 SF 6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	3.67	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.66	
01 56 16 00-0072 SF 6 Mil, Fire Retardant, Anti-Static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	3.70	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.66	
01 56 16 00-0073 SF 6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	3.69	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.66	
01 56 16 00-0074 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	3.76	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.66	
<b>01 56 16 00-0075 Temporary Doors</b> <small>(01 56 16 00-0033)</small>		
Note: For temporary stud walls. Includes removal after use.		
01 56 16 00-0076 EA Temporary Metal Door And Frame.....	606.23	
Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.		
<b>01 56 16 00-0077 Sticky Mats</b> <small>(01 56 16)</small>		
Note: Includes removal after use.		
01 56 16 00-0078 EA 18" x 36", 30 Layer Sticky Mat.....	35.84	
<i>For 60 Layers Instead Of 30, Add</i>	23.90	
01 56 16 00-0079 EA 18" x 46", 30 Layer Sticky Mat.....	41.15	
<i>For 60 Layers Instead Of 30, Add</i>	27.89	
01 56 16 00-0080 EA 24" x 36", 30 Layer Sticky Mat.....	41.15	
<i>For 60 Layers Instead Of 30, Add</i>	27.89	
01 56 16 00-0081 EA 25" x 45", 30 Layer Sticky Mat.....	54.43	
<i>For 60 Layers Instead Of 30, Add</i>	37.85	
01 56 16 00-0082 EA 36" x 36", 30 Layer Sticky Mat.....	59.74	
<i>For 60 Layers Instead Of 30, Add</i>	41.83	
01 56 16 00-0083 EA 36" x 46", 30 Layer Sticky Mat.....	65.05	
<i>For 60 Layers Instead Of 30, Add</i>	45.81	
01 56 16 00-0084 EA 36" x 60", 30 Layer Sticky Mat.....	131.44	
<i>For 60 Layers Instead Of 30, Add</i>	95.60	
01 56 16 00-0085 EA 36" x 72", 30 Layer Sticky Mat.....	156.93	
<b>01 56 16 00-0086 Temporary Floor Protection</b> <small>(01 56 16)</small>		
Note: Includes removal after use.		
01 56 16 00-0087 SF 1/8" Thick, Masonite For Temporary Floor Protection.....	1.54	
01 56 16 00-0088 SF 1/2" Thick, Plywood For Temporary Floor Protection.....	1.62	
01 56 16 00-0089 SF 3/4" Thick, Plywood For Temporary Floor Protection.....	1.91	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 50</b>	<b>Temporary Facilities and Controls</b>
	<b>01 56</b>	<b>Temporary Barriers and Enclosures</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 16 00-0090	LF	38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection .....	1.00
01 56 16 00-0091	LF	36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection .....	0.31
01 56 16 00-0092	CSF	3 Mil, Temporary Self-adhesive Carpet Protection Film.....	25.61
01 56 16 00-0093	SF	Burlap For Temporary Floor Protection.....	0.65

**01 56 26 Temporary Fencing (01 56)**

<b>01 56 26 00-0001</b>	<b>Temporary Fencing (01 56 26)</b>		
	Note: Per ASTM A392-06 Standards		
<b>01 56 26 00-0002</b>	<b>Temporary Chain Link Fence (01 56 26 00-0001)</b>		
	Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
<b>01 56 26 00-0003</b>	<b>Temporary Chain Link Fence, Up To 6 Months (01 56 26 00-0002)</b>		
01 56 26 00-0004	LF Temporary 4' High Chain Link Fence And Posts, Up To 6 Months.....		6.23
	For >100 To 250, Deduct		-0.15
	For >250 To 500, Deduct		-0.31
	For >500, Deduct		-0.46
	For Each LF Shade Cloth, Add		1.60
01 56 26 00-0005	LF Temporary 6' High Chain Link Fence And Posts, Up To 6 Months.....		6.94
	For >100 To 250, Deduct		-0.17
	For >250 To 500, Deduct		-0.35
	For >500, Deduct		-0.52
	For Each LF Shade Cloth, Add		2.55
01 56 26 00-0006	LF Temporary 8' High Chain Link Fence And Posts, Up To 6 Months.....		9.64
	For >100 To 250, Deduct		-0.29
	For >250 To 500, Deduct		-0.58
	For >500, Deduct		-0.87
	For Each LF Shade Cloth, Add		3.60
01 56 26 00-0007	LF Temporary 10' High Chain Link Fence And Posts, Up To 6 Months.....		21.54
	For >100 To 250, Deduct		-0.87
	For >250 To 500, Deduct		-1.73
	For >500, Deduct		-2.60
	For Each LF Shade Cloth, Add		4.75
<b>01 56 26 00-0008</b>	<b>Temporary Chain Link Fence, &gt;6 To 12 Months (01 56 26 00-0002)</b>		
01 56 26 00-0009	LF Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months.....		6.54
	For >100 To 250, Deduct		-0.17
	For >250 To 500, Deduct		-0.34
	For >500, Deduct		-0.51
	For Each LF Shade Cloth, Add		1.60
01 56 26 00-0010	LF Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months.....		7.28
	For >100 To 250, Deduct		-0.19
	For >250 To 500, Deduct		-0.38
	For >500, Deduct		-0.57
	For Each LF Shade Cloth, Add		2.55
01 56 26 00-0011	LF Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months.....		10.21
	For >100 To 250, Deduct		-0.32
	For >250 To 500, Deduct		-0.64
	For >500, Deduct		-0.96
	For Each LF Shade Cloth, Add		3.60
01 56 26 00-0012	LF Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months.....		23.27
	For >100 To 250, Deduct		-0.95
	For >250 To 500, Deduct		-1.91
	For >500, Deduct		-2.86
	For Each LF Shade Cloth, Add		4.75
<b>01 56 26 00-0013</b>	<b>Temporary Chain Link Fence, &gt;12 To 18 Months (01 56 26 00-0002)</b>		
01 56 26 00-0014	LF Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months.....		6.88
	For >100 To 250, Deduct		-0.19
	For >250 To 500, Deduct		-0.37
	For >500, Deduct		-0.56
	For Each LF Shade Cloth, Add		1.60
01 56 26 00-0015	LF Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months.....		7.67
	For >100 To 250, Deduct		-0.21
	For >250 To 500, Deduct		-0.42
	For >500, Deduct		-0.63
	For Each LF Shade Cloth, Add		2.55
01 56 26 00-0016	LF Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months.....		10.87
	For >100 To 250, Deduct		-0.35
	For >250 To 500, Deduct		-0.71
	For >500, Deduct		-1.06
	For Each LF Shade Cloth, Add		3.60
01 56 26 00-0017	LF Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months.....		25.17
	For >100 To 250, Deduct		-1.05
	For >250 To 500, Deduct		-2.10
	For >500, Deduct		-3.14
	For Each LF Shade Cloth, Add		4.75
<b>01 56 26 00-0018</b>	<b>Temporary Chain Link Fence, &gt;18 Months (01 56 26 00-0002)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0019 LF Temporary 4' High Chain Link Fence And Posts, >18 Months.....	7.25	
<i>For &gt;100 To 250, Deduct</i>	-0.20	
<i>For &gt;250 To 500, Deduct</i>	-0.41	
<i>For &gt;500, Deduct</i>	-0.61	
<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0020 LF Temporary 6' High Chain Link Fence And Posts, >18 Months.....	8.06	
<i>For &gt;100 To 250, Deduct</i>	-0.23	
<i>For &gt;250 To 500, Deduct</i>	-0.46	
<i>For &gt;500, Deduct</i>	-0.69	
<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0021 LF Temporary 8' High Chain Link Fence And Posts, >18 Months.....	11.56	
<i>For &gt;100 To 250, Deduct</i>	-0.39	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-1.16	
<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0022 LF Temporary 10' High Chain Link Fence And Posts, >18 Months.....	27.27	
<i>For &gt;100 To 250, Deduct</i>	-1.15	
<i>For &gt;250 To 500, Deduct</i>	-2.31	
<i>For &gt;500, Deduct</i>	-3.46	
<i>For Each LF Shade Cloth, Add</i>	4.75	
<b>01 56 26 00-0023 Temporary Chain Link Fence Gates (01 56 26 00-0001)</b>		
Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
<b>01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0023)</b>		
<b>01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)</b>		
01 56 26 00-0026 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	254.35	
<i>For Each LF Shade Cloth, Add</i>	14.55	
01 56 26 00-0027 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	430.03	
<i>For Each LF Shade Cloth, Add</i>	36.37	
01 56 26 00-0028 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	482.07	
<i>For Each LF Shade Cloth, Add</i>	43.64	
01 56 26 00-0029 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	548.37	
<i>For Each LF Shade Cloth, Add</i>	54.55	
01 56 26 00-0030 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	657.57	
<i>For Each LF Shade Cloth, Add</i>	72.74	
01 56 26 00-0031 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	731.12	
<i>For Each LF Shade Cloth, Add</i>	87.29	
<b>01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)</b>		
01 56 26 00-0033 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	271.94	
<i>For Each LF Shade Cloth, Add</i>	23.19	
01 56 26 00-0034 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	463.64	
<i>For Each LF Shade Cloth, Add</i>	57.96	
01 56 26 00-0035 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	520.81	
<i>For Each LF Shade Cloth, Add</i>	69.56	
01 56 26 00-0036 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	602.59	
<i>For Each LF Shade Cloth, Add</i>	86.95	
01 56 26 00-0037 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	728.83	
<i>For Each LF Shade Cloth, Add</i>	115.93	
01 56 26 00-0038 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	825.34	
<i>For Each LF Shade Cloth, Add</i>	139.11	
<b>01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)</b>		
01 56 26 00-0040 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	303.40	
<i>For Each LF Shade Cloth, Add</i>	32.73	
01 56 26 00-0041 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	530.25	
<i>For Shade Cloth, Add</i>	81.83	
01 56 26 00-0042 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	593.68	
<i>For Shade Cloth, Add</i>	98.20	
01 56 26 00-0043 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	679.04	
<i>For Shade Cloth, Add</i>	122.75	
01 56 26 00-0044 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	829.87	
<i>For Shade Cloth, Add</i>	163.66	
01 56 26 00-0045 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	960.20	
<i>For Shade Cloth, Add</i>	196.40	
<b>01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)</b>		
01 56 26 00-0047 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	368.24	
<i>For Each LF Shade Cloth, Add</i>	43.19	
01 56 26 00-0048 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	637.22	
<i>For Each LF Shade Cloth, Add</i>	107.97	
01 56 26 00-0049 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	714.86	
<i>For Each LF Shade Cloth, Add</i>	129.57	
01 56 26 00-0050 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	816.46	
<i>For Each LF Shade Cloth, Add</i>	161.96	
01 56 26 00-0051 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	998.06	
<i>For Each LF Shade Cloth, Add</i>	215.94	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 50</b>	<b>Temporary Facilities and Controls</b>
	<b>01 56</b>	<b>Temporary Barriers and Enclosures</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0052 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months <i>For Each LF Shade Cloth, Add</i>	1,149.65 259.13	
<b>01 56 26 00-0053 Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> <small>(01 56 26 00-0023)</small>		
<b>01 56 26 00-0054 4' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> <small>(01 56 26 00-0053)</small>		
01 56 26 00-0055 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	264.09 14.55	
01 56 26 00-0056 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	445.19 36.37	
01 56 26 00-0057 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	499.38 43.64	
01 56 26 00-0058 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	567.85 54.55	
01 56 26 00-0059 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	681.38 72.74	
01 56 26 00-0060 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	757.10 87.29	
<b>01 56 26 00-0061 6' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> <small>(01 56 26 00-0053)</small>		
01 56 26 00-0062 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	282.12 23.19	
01 56 26 00-0063 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	479.48 57.96	
01 56 26 00-0064 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	538.92 69.56	
01 56 26 00-0065 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	622.96 86.95	
01 56 26 00-0066 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	753.72 115.93	
01 56 26 00-0067 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	852.50 139.11	
<b>01 56 26 00-0068 8' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> <small>(01 56 26 00-0053)</small>		
01 56 26 00-0069 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	314.61 32.73	
01 56 26 00-0070 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	547.68 81.83	
01 56 26 00-0071 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	613.60 98.20	
01 56 26 00-0072 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	701.44 122.75	
01 56 26 00-0073 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	857.25 163.66	
01 56 26 00-0074 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	990.08 196.40	
<b>01 56 26 00-0075 10' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> <small>(01 56 26 00-0053)</small>		
01 56 26 00-0076 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	382.24 43.19	
01 56 26 00-0077 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	659.00 107.97	
01 56 26 00-0078 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	739.75 129.57	
01 56 26 00-0079 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	844.46 161.96	
01 56 26 00-0080 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	1,032.29 215.94	
01 56 26 00-0081 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	1,186.99 259.13	
<b>01 56 26 00-0082 Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> <small>(01 56 26 00-0023)</small>		
<b>01 56 26 00-0083 4' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> <small>(01 56 26 00-0082)</small>		
01 56 26 00-0084 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	274.32 14.55	
01 56 26 00-0085 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	461.10 36.37	
01 56 26 00-0086 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	517.57 43.64	
01 56 26 00-0087 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	588.31 54.55	
01 56 26 00-0088 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	706.38 72.74	
01 56 26 00-0089 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	784.37 87.29	





<b>General Requirements</b>		<b>01</b>
Temporary Facilities and Controls		01 50
Temporary Barriers and Enclosures		01 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 56 26 00-0090</b> <b>6' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> <small>(01 56 26 00-0082)</small>		
01 56 26 00-0091    EA    4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	292.82	
<i>For Each LF Shade Cloth, Add</i>	23.19	
01 56 26 00-0092    EA    10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	496.12	
<i>For Each LF Shade Cloth, Add</i>	57.96	
01 56 26 00-0093    EA    12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	557.93	
<i>For Each LF Shade Cloth, Add</i>	69.56	
01 56 26 00-0094    EA    15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	644.34	
<i>For Each LF Shade Cloth, Add</i>	86.95	
01 56 26 00-0095    EA    20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	779.86	
<i>For Each LF Shade Cloth, Add</i>	115.93	
01 56 26 00-0096    EA    24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	881.01	
<i>For Each LF Shade Cloth, Add</i>	139.11	
<b>01 56 26 00-0097</b> <b>8' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> <small>(01 56 26 00-0082)</small>		
01 56 26 00-0098    EA    4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	326.37	
<i>For Each LF Shade Cloth, Add</i>	32.73	
01 56 26 00-0099    EA    10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	565.98	
<i>For Shade Cloth, Add</i>	81.83	
01 56 26 00-0100    EA    12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	634.51	
<i>For Shade Cloth, Add</i>	98.20	
01 56 26 00-0101    EA    15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	724.97	
<i>For Shade Cloth, Add</i>	122.75	
01 56 26 00-0102    EA    20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	886.01	
<i>For Shade Cloth, Add</i>	163.66	
01 56 26 00-0103    EA    24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	1,021.44	
<i>For Shade Cloth, Add</i>	196.40	
<b>01 56 26 00-0104</b> <b>10' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> <small>(01 56 26 00-0082)</small>		
01 56 26 00-0105    EA    4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	396.95	
<i>For Each LF Shade Cloth, Add</i>	43.19	
01 56 26 00-0106    EA    10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	681.87	
<i>For Each LF Shade Cloth, Add</i>	107.97	
01 56 26 00-0107    EA    12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	765.89	
<i>For Each LF Shade Cloth, Add</i>	129.57	
01 56 26 00-0108    EA    15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	873.87	
<i>For Each LF Shade Cloth, Add</i>	161.96	
01 56 26 00-0109    EA    20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	1,068.23	
<i>For Each LF Shade Cloth, Add</i>	215.94	
01 56 26 00-0110    EA    24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	1,226.20	
<i>For Each LF Shade Cloth, Add</i>	259.13	
<b>01 56 26 00-0111</b> <b>Temporary Chain Link Fence Gates, &gt;18 Months</b> <small>(01 56 26 00-0023)</small>		
<b>01 56 26 00-0112</b> <b>4' High, Temporary Chain Link Fence Gates, &gt;18 Months</b> <small>(01 56 26 00-0111)</small>		
01 56 26 00-0113    EA    4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months .....	284.54	
<i>For Each LF Shade Cloth, Add</i>	14.55	
01 56 26 00-0114    EA    10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months .....	477.01	
<i>For Each LF Shade Cloth, Add</i>	36.37	
01 56 26 00-0115    EA    12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months .....	535.75	
<i>For Each LF Shade Cloth, Add</i>	43.64	
01 56 26 00-0116    EA    15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months .....	608.77	
<i>For Each LF Shade Cloth, Add</i>	54.55	
01 56 26 00-0117    EA    20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months .....	731.39	
<i>For Each LF Shade Cloth, Add</i>	72.74	
01 56 26 00-0118    EA    24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months .....	811.65	
<i>For Each LF Shade Cloth, Add</i>	87.29	
<b>01 56 26 00-0119</b> <b>6' High, Temporary Chain Link Fence Gates, &gt;18 Months</b> <small>(01 56 26 00-0111)</small>		
01 56 26 00-0120    EA    4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months .....	303.51	
<i>For Each LF Shade Cloth, Add</i>	23.19	
01 56 26 00-0121    EA    10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months .....	512.75	
<i>For Each LF Shade Cloth, Add</i>	57.96	
01 56 26 00-0122    EA    12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months .....	576.94	
<i>For Each LF Shade Cloth, Add</i>	69.56	
01 56 26 00-0123    EA    15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months .....	665.73	
<i>For Each LF Shade Cloth, Add</i>	86.95	
01 56 26 00-0124    EA    20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months .....	806.00	
<i>For Each LF Shade Cloth, Add</i>	115.93	
01 56 26 00-0125    EA    24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months .....	909.53	
<i>For Each LF Shade Cloth, Add</i>	139.11	
<b>01 56 26 00-0126</b> <b>8' High, Temporary Chain Link Fence Gates, &gt;18 Months</b> <small>(01 56 26 00-0111)</small>		
01 56 26 00-0127    EA    4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months .....	338.13	
<i>For Each LF Shade Cloth, Add</i>	32.73	
01 56 26 00-0128    EA    10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months .....	584.28	
<i>For Shade Cloth, Add</i>	81.83	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 50</b>	<b>Temporary Facilities and Controls</b>
	<b>01 56</b>	<b>Temporary Barriers and Enclosures</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0129 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months .....	655.43	
For Shade Cloth, Add	98.20	
01 56 26 00-0130 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months .....	748.49	
For Shade Cloth, Add	122.75	
01 56 26 00-0131 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months .....	914.76	
For Shade Cloth, Add	163.66	
01 56 26 00-0132 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months .....	1,052.81	
For Shade Cloth, Add	196.40	
<b>01 56 26 00-0133 10' High, Temporary Chain Link Fence Gates, &gt;18 Months</b> <small>(01 56 26 00-0111)</small>		
01 56 26 00-0134 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months .....	411.65	
For Each LF Shade Cloth, Add	43.19	
01 56 26 00-0135 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months .....	704.75	
For Each LF Shade Cloth, Add	107.97	
01 56 26 00-0136 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months .....	792.03	
For Each LF Shade Cloth, Add	129.57	
01 56 26 00-0137 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months .....	903.28	
For Each LF Shade Cloth, Add	161.96	
01 56 26 00-0138 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months .....	1,104.17	
For Each LF Shade Cloth, Add	215.94	
01 56 26 00-0139 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months .....	1,265.41	
For Each LF Shade Cloth, Add	259.13	
<b>01 56 26 00-0140 Temporary Chain Link Fence Panels (Portable)</b> <small>(01 56 26 00-0001)</small>		
Note: Includes delivery, set-up and removal. Excludes sandbags.		
<b>01 56 26 00-0141 Temporary Chain Link Fence Panels (Portable), Up To 6 Months</b> <small>(01 56 26 00-0140)</small>		
01 56 26 00-0142 LF Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months.....	6.83	
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.37	
For >500, Deduct	-0.55	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0143 LF Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months.....	7.59	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.41	
For >500, Deduct	-0.62	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0144 LF Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months.....	10.42	
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.66	
For >500, Deduct	-0.99	
For Each LF Shade Cloth, Add	3.60	
<b>01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), &gt;6 To 12 Months</b> <small>(01 56 26 00-0140)</small>		
01 56 26 00-0146 LF Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	7.14	
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.40	
For >500, Deduct	-0.60	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0147 LF Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	7.93	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.44	
For >500, Deduct	-0.67	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0148 LF Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	11.00	
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.72	
For >500, Deduct	-1.08	
For Each LF Shade Cloth, Add	3.60	
<b>01 56 26 00-0149 Temporary Chain Link Fence Panels (Portable), &gt;12 To 18 Months</b> <small>(01 56 26 00-0140)</small>		
01 56 26 00-0150 LF Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	7.46	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.43	
For >500, Deduct	-0.64	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0151 LF Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	8.33	
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.48	
For >500, Deduct	-0.73	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0152 LF Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	11.65	
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.78	
For >500, Deduct	-1.18	
For Each LF Shade Cloth, Add	3.60	
<b>01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), &gt;18 Months</b> <small>(01 56 26 00-0140)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0154 LF Temporary 4' High Chain Link Fence Panels (Portable), >18 Months .....	7.85	
<i>For &gt;100 To 250, Deduct</i>	-0.23	
<i>For &gt;250 To 500, Deduct</i>	-0.47	
<i>For &gt;500, Deduct</i>	-0.70	
<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0155 LF Temporary 6' High Chain Link Fence Panels (Portable), >18 Months .....	8.72	
<i>For &gt;100 To 250, Deduct</i>	-0.26	
<i>For &gt;250 To 500, Deduct</i>	-0.52	
<i>For &gt;500, Deduct</i>	-0.78	
<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0156 LF Temporary 8' High Chain Link Fence Panels (Portable), >18 Months .....	12.33	
<i>For &gt;100 To 250, Deduct</i>	-0.43	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;500, Deduct</i>	-1.28	
<i>For Each LF Shade Cloth, Add</i>	3.60	
<b>01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags (01 56 26 00-0140)</b>		
01 56 26 00-0158 BAG Temporary Chain Link Fence Panels (Portable) Sandbag.....	6.16	
<i>Note: Includes placement and removal.</i>		
<b>01 56 26 00-0159 Relocate Chain Link Fence, Gates And Panels (01 56 26 00-0001)</b>		
<i>Note: Excludes auguring/drilling for posts.</i>		
<b>01 56 26 00-0160 Relocate Temporary Chain Link Fence On Site (01 56 26 00-0159)</b>		
01 56 26 00-0161 LF Relocate Temporary 4' High Chain Link Fence And Posts .....	3.34	
01 56 26 00-0162 LF Relocate Temporary 6' High Chain Link Fence And Posts .....	5.00	
01 56 26 00-0163 LF Relocate Temporary 8' High Chain Link Fence And Posts .....	7.23	
01 56 26 00-0164 LF Relocate Temporary 10' High Chain Link Fence And Posts .....	8.89	
<b>01 56 26 00-0165 Relocate Temporary Chain Link Fence Panels On Site (01 56 26 00-0159)</b>		
01 56 26 00-0166 LF Relocate Temporary 4' High Chain Link Fence Panel, Self Standing .....	0.79	
01 56 26 00-0167 LF Relocate Temporary 6' High Chain Link Fence Panel, Self Standing .....	0.95	
01 56 26 00-0168 LF Relocate Temporary 8' High Chain Link Fence Panel, Self Standing .....	1.07	
<b>01 56 26 00-0169 Relocate Temporary Chain Link Gates On Site (01 56 26 00-0159)</b>		
01 56 26 00-0170 EA Relocate Temporary 4' High Chain Link Vehicle Gate And Posts.....	103.13	
01 56 26 00-0171 EA Relocate Temporary 6' High Chain Link Vehicle Gate And Posts.....	119.00	
01 56 26 00-0172 EA Relocate Temporary 8' High Chain Link Vehicle Gate And Posts.....	146.77	
01 56 26 00-0173 EA Relocate Temporary 10' High Chain Link Vehicle Gate And Posts.....	158.68	
<b>01 56 26 00-0174 Temporary Safety Fence (01 56 26)</b>		
<i>Note: Includes removal after use.</i>		
01 56 26 00-0175 LF 48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence .....	3.54	
<b>01 56 29 Temporary Protective Walkways (01 56)</b>		
<b>01 56 29 00-0001 Temporary Sidewalk Bridge Protection (01 56 29)</b>		
<i>Note: Includes removal after use.</i>		
<b>01 56 29 00-0002 Installation of Sidewalk Bridge (01 56 29 00-0001)</b>		
01 56 29 00-0003 LF Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly .....	159.16	
<i>Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.</i>		
<i>For 3 Post System, Add</i>	6.00	
<i>For Each Additional Foot Over 8' Wide, Add</i>	3.00	
<i>For Each Additional Foot Over 8' High, Add</i>	2.00	
01 56 29 00-0004 LF Installation of Netting for Sidewalk Bridge .....	4.05	
<b>01 56 29 00-0005 Monthly Rental of Sidewalk Bridge (01 56 29 00-0001)</b>		
01 56 29 00-0006 LF Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Assembly .....	14.47	
<i>Note: Includes spanning openings, planking and parapet, lighting and maintenance.</i>		
<i>For 3 Post System, Add</i>	2.17	
01 56 29 00-0007 LF Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	16.30	
<i>Note: Includes spanning openings, planking and parapet, lighting and maintenance.</i>		
<i>For 3 Post System, Add</i>	2.45	
01 56 29 00-0008 LF Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	18.11	
<i>Note: Includes spanning openings, planking and parapet, lighting and maintenance.</i>		
<i>For 3 Post System, Add</i>	2.72	
01 56 29 00-0009 LF Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly .....	18.11	
<i>Note: Includes spanning openings, planking and parapet, lighting and maintenance.</i>		
<i>For 3 Post System, Add</i>	2.72	

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 56</b>	<b>Temporary Barriers and Enclosures</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 29 00-0010	LF		Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly ..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	19.90	
			<i>For 3 Post System, Add</i>	2.99	
01 56 29 00-0011	LF		Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly ..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	23.55	
			<i>For 3 Post System, Add</i>	3.53	
01 56 29 00-0012	LF		Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly ..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	21.74	
			<i>For 3 Post System, Add</i>	3.26	
01 56 29 00-0013	LF		Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly ..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	25.36	
			<i>For 3 Post System, Add</i>	3.80	
01 56 29 00-0014	LF		Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly ..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	27.14	
			<i>For 3 Post System, Add</i>	4.07	
01 56 29 00-0015	LF		Monthly Rental of Netting for Sidewalk Bridge.....	2.71	
<b>01 56 29 00-0016</b>			<b>Removal of Sidewalk Bridge</b> (01 56 29 00-0001)		
01 56 29 00-0017	LF		Removal Of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly ..... Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	33.13	
			<i>For 3 Post System, Add</i>	2.50	
			<i>For Each Additional Foot Over 8' Wide, Add</i>	1.25	
			<i>For Each Additional Foot Over 8' High, Add</i>	0.75	
01 56 29 00-0018	LF		Removal Of Netting For Sidewalk Bridge.....	2.03	
<b>01 56 29 00-0019</b>			<b>Temporary Safety Nets</b> (01 56 29)		
			Note: Includes removal after use.		
01 56 29 00-0020	SF		Small Mesh Debris Netting ..... Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.	2.08	
<b>01 56 33</b>			<b>Temporary Security Barriers</b> (01 56)		
<b>01 56 33 00-0001</b>			<b>Board-up Opening With Plywood</b> (01 56 33)		
			Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0002	OPN		Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day.....	11.91	
01 56 33 00-0003	SF		5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening.....	7.95	
01 56 33 00-0004	SF		3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening.....	9.19	
<b>01 56 33 00-0005</b>			<b>Temporary Pedestrian Barricade</b> (01 56 33)		
			Note: Portable, interlocking galvanized steel fence with pivoting legs.		
01 56 33 00-0006	DAY		3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	13.52	
01 56 33 00-0007	WK		3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	32.83	
01 56 33 00-0008	MO		3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	98.50	
<b>01 56 39</b>			<b>Temporary Tree and Plant Protection</b> (01 56)		
<b>01 56 39 00-0001</b>			<b>Temporary Tree Guards</b> (01 56 39)		
			Note: Includes digging holes and removal after use.		
01 56 39 00-0002	EA		Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	179.80	
01 56 39 00-0003	EA		4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	215.03	
01 56 39 00-0004	EA		6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	234.10	
<b>01 57</b>			<b>Temporary Controls</b> (01 50)		
<b>01 57 13</b>			<b>Temporary Erosion and Sediment Control</b> (01 57)		
			See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.		
<b>01 57 23</b>			<b>Temporary Storm Water Pollution Control</b> (01 57)		
			See CSI section 31 25 00 00-0000 for temporary storm water pollution control.		
<b>01 57 23 00-0001</b>			<b>Temporary Drain Guard</b> (01 57 23)		
			Note: Includes removal after use.		
01 57 23 00-0002	EA		36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227).....	102.03	
01 57 23 00-0003	EA		36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217)..... Note: Up to 0.87 gallons oil, up to 40 lbs sediment.	100.04	
01 57 23 00-0004	EA		36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219)..... Note: Up to 1.38 gallons oil, up to 40 lbs sediment.	128.03	
01 57 23 00-0005	EA		60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356)..... Note: Up to 1.55 gallons oil, up to 40 lbs sediment.	126.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 57 23 00-0006	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358).....	156.01
Note: Up to 2.06 gallons oil, up to 40 lbs sediment.			

**01 58 Project Identification** (01 50)

Note: Includes removal after use.

**01 58 13 Temporary Project Signage** (01 58)

01 58 13 00-0001 Project Sign (01 58 13)

01 58 13 00-0002 MDO Plywood Signs (01 58 13 00-0001)

Note: Excludes posts.

01 58 13 00-0003 Reflectorized, MDO Plywood Signs (01 58 13 00-0002)

01 58 13 00-0004 Engineer Grade, Reflectorized, MDO Plywood Signs (01 58 13 00-0003)

01 58 13 00-0005	EA	Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign .....	163.35	
For High-Intensity Grade, Add			41.90	
For Diamond Grade, Add			80.80	
01 58 13 00-0006	EA	>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign .....	285.04	22.81
For High-Intensity Grade, Add			83.80	
For Diamond Grade, Add			161.61	
01 58 13 00-0007	EA	>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign .....	406.74	23.80
For High-Intensity Grade, Add			125.70	
For Diamond Grade, Add			242.41	
01 58 13 00-0008	EA	>24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign .....	528.44	24.80
For High-Intensity Grade, Add			167.59	
For Diamond Grade, Add			323.22	
01 58 13 00-0009	SF	>32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign .....	16.55	0.79
For High-Intensity Grade, Add			5.24	
For Diamond Grade, Add			10.10	

01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0002)

01 58 13 00-0011 One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)

01 58 13 00-0012	EA	Up To 8 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign .....	206.05	21.82
01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign .....	246.80	22.81
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign .....	310.61	23.80
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign .....	370.85	24.80
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign .....	11.63	0.79

01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)

01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	210.63	21.82
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	271.45	22.81
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	335.66	23.80
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	392.32	24.80
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	12.30	0.79

01 58 13 00-0023 Fabricate And Install New Posts (01 58 13 00-0001)

Note: Includes excavation, backfill and compaction. Excludes core drilling.

01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts .....	15.32	
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts .....	12.27	
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts .....	15.07	

01 58 13 00-0027 Owner Supplied Signs (01 58 13 00-0001)

01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign .....	79.34	
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**01 60 Product Requirements** (01)

**01 66 Product Storage and Handling Requirements** (01 60)

**01 66 19 Product Handling Requirements** (01 66)

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories or less than 125'.

01 66 19 00-0001 Transfer Delivered Materials Between Floors (01 66 19)

Note: For moving delivered, owner supplied or existing materials in a building.

01 66 19 00-0002	CY	Transfer Delivered Material Between Floors Via Stairs, Per Floor .....	15.26	
Note: Quantity equals volume of materials multiplied by number of floors traveled.				

01 66 19 00-0003	CY	Transfer Delivered Material Between Floors Via Elevator, Per Trip .....	9.92	
Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.				

01 66 19 00-0004 Transfer Delivered Materials Distances Greater Than 125' (01 66 19)

Note: For moving delivered, owner supplied or existing materials in a building.

01 66 19 00-0005	CY	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125' .....	6.19	
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<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 60</b>	<b>Product Requirements</b>
	<b>01 66</b>	<b>Product Storage and Handling Requirements</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 66 19 00-0006	<b>Transfer Demolition Debris Between Floors</b> <small>(01 66 19)</small> Note: Only for use with demolition tasks.	
01 66 19 00-0007	CY Transfer Demolition Debris Between Floors Via Stairs, Per Floor..... Note: Quantity equals material volume times bulk factor times number of floors traveled.	15.26
01 66 19 00-0008	CY Transfer Demolition Debris Between Floors Via Elevator, Per Trip..... Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	9.92
01 66 19 00-0009	<b>Transfer Demolition Debris Distances Greater Than 125'</b> <small>(01 66 19)</small> Note: Only for use with demolition tasks.	
01 66 19 00-0010	CY Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'.....	6.19
01 66 19 00-0011	<b>Moving Furniture And Furnishings</b> <small>(01 66 19)</small> Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.	
01 66 19 00-0012	SF Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings..... Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.	0.99

**01 70 Execution and Closeout Requirements** (01)

**01 71 Examination and Preparation** (01 70)

**01 71 13 Mobilization** (01 71)

01 71 13 00-0001	<b>Equipment Delivery, Pickup, Mobilization And Demobilization</b> <small>(01 71 13)</small> Note: Excludes flagman for traffic control where necessary.	
01 71 13 00-0002	EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck ..... Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	447.59
01 71 13 00-0003	EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed..... Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	1,494.63
01 71 13 00-0004	<b>Crane Delivery, Pickup, Mobilization And Demobilization</b> <small>(01 71 13)</small> Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.	
01 71 13 00-0005	EA Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	477.43
	<i>For &gt;30 To 60 Miles Radius, Add</i>	119.36
	<i>For &gt;60 To 100 Miles Radius, Add</i>	190.97
01 71 13 00-0006	EA >20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	775.83
	<i>For &gt;30 To 60 Miles Radius, Add</i>	193.96
	<i>For &gt;60 To 100 Miles Radius, Add</i>	310.33
01 71 13 00-0007	EA >40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	1,074.22
	<i>For &gt;30 To 60 Miles Radius, Add</i>	268.56
	<i>For &gt;60 To 100 Miles Radius, Add</i>	429.69
01 71 13 00-0008	EA >70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	1,730.70
	<i>For &gt;30 To 60 Miles Radius, Add</i>	432.68
	<i>For &gt;60 To 100 Miles Radius, Add</i>	692.28
01 71 13 00-0009	EA >110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	2,172.32
	<i>For &gt;30 To 60 Miles Radius, Add</i>	543.08
	<i>For &gt;60 To 100 Miles Radius, Add</i>	868.93
01 71 13 00-0010	EA >125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	2,703.47
	<i>For &gt;30 To 60 Miles Radius, Add</i>	675.87
	<i>For &gt;60 To 100 Miles Radius, Add</i>	1,081.39
01 71 13 00-0011	EA >150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	3,115.25
	<i>For &gt;30 To 60 Miles Radius, Add</i>	778.81
	<i>For &gt;60 To 100 Miles Radius, Add</i>	1,246.10
01 71 13 00-0012	EA >185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	3,485.26
	<i>For &gt;30 To 60 Miles Radius, Add</i>	871.32
	<i>For &gt;60 To 100 Miles Radius, Add</i>	1,394.10
01 71 13 00-0013	EA 75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane..... Note: Includes delivery, rigging and pickup.	1,850.05
	<i>For &gt;30 To 60 Miles Radius, Add</i>	462.51
	<i>For &gt;60 To 100 Miles Radius, Add</i>	740.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0014 EA 100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	2,924.28	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	731.07	
For >60 To 100 Miles Radius, Add	1,169.71	
01 71 13 00-0015 EA 125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	3,700.10	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	925.03	
For >60 To 100 Miles Radius, Add	1,480.04	
01 71 13 00-0016 EA 150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	4,595.29	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	1,148.82	
For >60 To 100 Miles Radius, Add	1,838.12	
01 71 13 00-0017 EA 200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	5,729.20	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	1,432.30	
For >60 To 100 Miles Radius, Add	2,291.68	
01 71 13 00-0018 EA 250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	6,684.06	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	1,671.02	
For >60 To 100 Miles Radius, Add	2,673.62	
01 71 13 00-0019 EA 300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	9,548.66	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	2,387.17	
For >60 To 100 Miles Radius, Add	3,819.46	
01 71 13 00-0020 EA 500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	13,093.59	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	3,273.40	
For >60 To 100 Miles Radius, Add	5,237.44	
<b>01 71 23 Field Engineering (01 71)</b>		
<b>01 71 23 16 Construction Surveying (01 71 23)</b>		
<b>01 71 23 16-0001 Conventional Topographic Survey (01 71 23 16)</b>		
Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.		
01 71 23 16-0002 ACR Conventional Topographic Survey Of Clear Area With Few To No Obstacles.....	1,171.85	
01 71 23 16-0003 ACR Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings).....	3,237.00	
01 71 23 16-0004 ACR Conventional Topographic Survey Of Clear Area With Few Structures, And/Or Wooded (5-25% Buildings).....	4,652.73	
01 71 23 16-0005 ACR Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings).....	6,962.70	
01 71 23 16-0006 ACR Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings).....	8,704.33	
<b>01 71 23 16-0007 Property Lines Survey (01 71 23 16)</b>		
Note: Not to be added to tasks in the "Conventional Topographic Survey" section.		
01 71 23 16-0008 LF Survey Property Lines On Cleared Land.....	2.54	
01 71 23 16-0009 LF Survey Property Lines On Slightly Wooded Land.....	2.94	
01 71 23 16-0010 LF Survey Property Lines On Wooded Land.....	3.44	
<b>01 71 23 16-0011 Survey Monument (01 71 23 16)</b>		
01 71 23 16-0012 EA 3' Precast Survey Monument.....	188.95	
For Owner Furnished Monument, Deduct	-71.68	
01 71 23 16-0013 EA Precast Survey Monument Box With Cast Iron Frame And Cover.....	284.11	
01 71 23 16-0014 EA Riser Ring For Survey Monument.....	147.56	
01 71 23 16-0015 EA Adjust Survey Monument Cover To Grade.....	215.03	
<b>01 71 23 16-0016 Facade Surveying (01 71 23 16)</b>		
01 71 23 16-0017 LF Facade Survey And Reports (LF Of Facade x Number Of Floors).....	6.97	
<b>01 71 23 16-0018 Utility Survey (01 71 23 16)</b>		
Note: This survey is only for the location of underground utilities.		
01 71 23 16-0019 ACR Survey Clear Area For Underground Utilities.....	5,898.04	
<b>01 71 23 16-0020 GPR Bridge Deck And Pavement Inspection (01 71 23 16)</b>		
<b>01 71 23 16-0021 GPR Bridge Deck And Pavement Inspection Mobilization Fee (01 71 23 16-0020)</b>		
Note: One mobilization per project.		
01 71 23 16-0022 EA GPR Bridge Deck And Pavement Inspection Mobilization Fee.....	3,753.20	
<b>01 71 23 16-0023 Bridge Deck Delamination Survey, GPR Bridge Deck Inspection (01 71 23 16-0020)</b>		
Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0024 EA Survey Fee, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....	2,814.90	
01 71 23 16-0025 SF Up To 5,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....	1.18	
01 71 23 16-0026 SF >5,000 To 10,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....	0.94	
01 71 23 16-0027 SF >10,000 To 25,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....	0.75	
01 71 23 16-0028 SF >25,000 To 50,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....	0.56	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0029	SF		>50,000 To 100,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection .....	0.45	
01 71 23 16-0030	SF		>100,000 To 250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection .....	0.36	
01 71 23 16-0031	SF		>250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection .....	0.26	
<b>01 71 23 16-0032</b>			<b>Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection</b> <small>(01 71 23 16-0020)</small>		
			Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0033	EA		Survey Fee, Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection .....	938.30	
01 71 23 16-0034	SF		Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection .....	0.06	
<b>01 71 23 16-0035</b>			<b>Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection</b> <small>(01 71 23 16-0020)</small>		
			Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0036	EA		Survey Fee, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection.....	938.30	
01 71 23 16-0037	SF		Up To 5,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection.....	0.43	
01 71 23 16-0038	SF		>5,000 To 10,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection .....	0.34	
01 71 23 16-0039	SF		>10,000 To 25,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection .....	0.26	
01 71 23 16-0040	SF		>25,000 To 50,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection .....	0.21	
01 71 23 16-0041	SF		>50,000 To 100,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection .....	0.17	
01 71 23 16-0042	SF		>100,000 To 250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection .....	0.13	
01 71 23 16-0043	SF		>250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection .....	0.09	
<b>01 71 23 16-0044</b>			<b>Pavement Structure And Thickness Measurement, GPR Pavement Inspection</b> <small>(01 71 23 16-0020)</small>		
			Note: Each project will use one task for the length of the pavement surveyed.		
01 71 23 16-0045	LM		Up To 4 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection.....	6,977.20	
01 71 23 16-0046	LM		>4 To 9 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection .....	3,041.97	
01 71 23 16-0047	LM		>9 To 49 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection .....	2,265.06	
01 71 23 16-0048	LM		>49 To 99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection .....	1,236.68	
01 71 23 16-0049	LM		>99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection .....	972.08	
<b>01 71 23 16-0050</b>			<b>Pavement Thickness Contour (Mapping), GPR Pavement Inspection</b> <small>(01 71 23 16-0020)</small>		
			Note: Each project will use one task for the length of the pavement surveyed.		
01 71 23 16-0051	LM		Up To 4 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection .....	8,878.19	
01 71 23 16-0052	LM		>4 To 9 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection .....	4,175.44	
01 71 23 16-0053	LM		>9 To 49 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection .....	3,171.45	
01 71 23 16-0054	LM		>49 To 99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection .....	1,777.14	
01 71 23 16-0055	LM		>99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection .....	1,405.57	
<b>01 71 23 16-0056</b>			<b>Pavement Void Detection (Mapping), GPR Pavement Inspection</b> <small>(01 71 23 16-0020)</small>		
			Note: Each project will use one task for the length of the pavement surveyed.		
01 71 23 16-0057	LM		Up To 4 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection .....	10,542.74	
01 71 23 16-0058	LM		>4 To 9 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection.....	5,166.28	
01 71 23 16-0059	LM		>9 To 49 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection.....	3,963.38	
01 71 23 16-0060	LM		>49 To 99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection.....	2,250.04	
01 71 23 16-0061	LM		>99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection.....	1,782.77	
<b>01 71 23 16-0062</b>			<b>Drone Survey (Extreme Aerial Productions)</b> <small>(01 71 23 16)</small>		
			Note: Thermographic services to electrical line grid inspections.		
<b>01 71 23 16-0063</b>			<b>Mobilization For Drone Surveying</b> <small>(01 71 23 16-0062)</small>		
01 71 23 16-0064	EA		Mobilization For Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing.....	252.26	
01 71 23 16-0065	EA		Mobilization For > 1000 Acres Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing .....	630.64	
01 71 23 16-0066	EA		Mobilization For Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter .....	168.17	
01 71 23 16-0067	EA		Mobilization For Drone Road Survey For Topography/Progression/Inspection .....	336.34	
01 71 23 16-0068	EA		Mobilization For Drone Survey Stockpile .....	168.17	
01 71 23 16-0069	EA		Mobilization For Drone Inspection.....	168.17	
01 71 23 16-0070	EA		Mobilization For Qualitative Drone Thermal Inspection.....	336.34	
01 71 23 16-0071	EA		Mobilization For Quantitative Drone Thermal Inspection .....	420.42	
01 71 23 16-0072	EA		Mobilization For Drone Agricultural Multispectral Survey .....	672.68	
01 71 23 16-0073	EA		Mobilization For Drone Building Inspection/Scan/Thermal.....	504.51	
01 71 23 16-0074	EA		Mobilization For Drone 3D Modelling.....	420.42	
01 71 23 16-0075	EA		Mobilization For Drone Spraying Crops Or Sanitation .....	756.67	
01 71 23 16-0076	EA		Mobilization For Drone Video Progression/Marketing .....	168.17	
01 71 23 16-0077	EA		Mobilization For Drone Pictures Progression/Marketing .....	168.17	
01 71 23 16-0078	EA		Mobilization For Drone Training, Flying, Test Prep, Equipment Checks.....	168.17	
01 71 23 16-0079	EA		Mobilization For Drone Accident Reconstruction .....	168.17	
01 71 23 16-0080	EA		Mobilization For Drone Landfill Survey .....	252.26	
01 71 23 16-0081	EA		Mobilization For Drone Event Security Using Tethered Drones.....	336.34	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0082 EA Mobilization For Drone Emergency Response.....	840.85	
01 71 23 16-0083 EA Mobilization For Drone Cell Tower Inspection .....	252.26	
<b>01 71 23 16-0084 Drone Surveying</b> <small>(01 71 23 16-0082)</small>		
01 71 23 16-0085 HR Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing .....	613.82	
Note: 3 hour minimum		
For Visual Observation, Add	168.17	
For Additional Manpower, Add	168.17	
01 71 23 16-0086 HR > 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing .....	781.99	
For Visual Observation, Add	252.26	
For Additional Manpower, Add	201.80	
01 71 23 16-0087 HR Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter .....	504.51	
Note: 3 hour minimum		
For Visual Observation, Add	168.17	
For Additional Manpower, Add	168.17	
01 71 23 16-0088 HR Drone Road Survey For Topography/Progression/Inspection .....	588.60	
Note: 3 hour minimum		
For Visual Observation, Add	252.26	
For Additional Manpower, Add	168.17	
01 71 23 16-0089 HR Drone Survey Stockpile .....	420.42	
Note: 3 hour minimum		
For Visual Observation, Add	168.17	
For Additional Manpower, Add	168.17	
01 71 23 16-0090 HR Drone Inspection.....	588.60	
Note: 3 hour minimum		
For Visual Observation, Add	168.17	
For Additional Manpower, Add	168.17	
01 71 23 16-0091 HR Qualitative Drone Thermal Inspection.....	672.68	
Note: 5 hour minimum		
For Visual Observation, Add	252.26	
For Additional Manpower, Add	168.17	
01 71 23 16-0092 HR Quantitative Drone Thermal Inspection .....	1,009.02	
Note: 5 hour minimum		
For Visual Observation, Add	252.26	
For Additional Manpower, Add	168.17	
01 71 23 16-0093 HR Drone Agricultural Multispectral Survey.....	756.76	
Note: 6 hour minimum		
For Visual Observation, Add	168.17	
For Additional Manpower, Add	168.17	
01 71 23 16-0094 HR Drone Building Inspection/Scan/Thermal.....	672.68	
Note: 3 hour minimum		
For Visual Observation, Add	252.26	
For Additional Manpower, Add	168.17	
01 71 23 16-0095 HR Drone 3D Modelling.....	504.51	
Note: 3 hour minimum		
For Visual Observation, Add	252.26	
For Additional Manpower, Add	168.17	
01 71 23 16-0096 HR Drone Spraying Crops Or Sanitation .....	672.68	
Note: 3 hour minimum		
For Visual Observation, Add	210.21	
For Additional Manpower, Add	168.17	
01 71 23 16-0097 HR Drone Video Progression/Marketing.....	336.34	
Note: 2 hour minimum		
For Visual Observation, Add	168.17	
For Additional Manpower, Add	168.17	
01 71 23 16-0098 HR Drone Pictures Progression/Marketing .....	252.26	
Note: 2 hour minimum		
For Visual Observation, Add	168.17	
For Additional Manpower, Add	168.17	
01 71 23 16-0099 HR Drone Training, Flying, Test Prep, Equipment Checks .....	504.51	
Note: 3 hour minimum		
01 71 23 16-0100 HR Drone Accident Reconstruction .....	756.76	
Note: 2 hour minimum		
For Visual Observation, Add	168.17	
For Additional Manpower, Add	168.17	
01 71 23 16-0101 HR Drone Landfill Survey .....	613.82	
Note: 3 hour minimum		
For Visual Observation, Add	168.17	
For Additional Manpower, Add	168.17	
01 71 23 16-0102 HR Drone Event Security Using Tethered Drones.....	420.42	
Note: 3 hour minimum		
For Visual Observation, Add	168.17	
For Additional Manpower, Add	168.17	
01 71 23 16-0103 HR Drone Emergency Response.....	420.42	
Note: 3 hour minimum		
For Visual Observation, Add	252.26	
For Additional Manpower, Add	168.17	
01 71 23 16-0104 HR Drone Cell Tower Inspection.....	420.42	
Note: 3 hour minimum		
For Visual Observation, Add	210.21	
For Additional Manpower, Add	168.17	
<b>01 71 23 16-0105 Utilization And Deliverables For Drone Surveying</b> <small>(01 71 23 16-0082)</small>		

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 70</b>	<b>Execution and Closeout Requirements</b>
	<b>01 71</b>	<b>Examination and Preparation</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0106	Day		Utilization Of GPS Ground Control For Drone Surveying.....	420.42	
01 71 23 16-0107	Day		Utilization Of GPS Base Station Per Day For Drone Surveying.....	420.42	
01 71 23 16-0108	HR		Processing And Data Deliverables And Reporting For Drone Surveying..... Note: 2 hour minimum	168.17	
01 71 23 16-0109	HR		Processing And Data Deliverables And Reporting Of Thermal For Drone Surveying..... Note: 3 hour minimum	336.34	
<b>01 71 23 16-0110</b>			<b>Travel, Waivers, And Editing For Drone Surveying</b> (01 71 23 16-0062)		
01 71 23 16-0111	MI		Travel Over 100 Miles For Drone Surveying..... Note: For additional miles over 100	0.97	
01 71 23 16-0112	EA		Overnight Stay Per Person For Drone Surveying .....	210.21	
01 71 23 16-0113	EA		Waiver Utilization B, C, D, And E For Drone Surveying..... Note: Restricted airspace	84.08	
01 71 23 16-0114	EA		Night Waiver For Drone Surveying .....	109.31	
01 71 23 16-0115	EA		Flying Over People Waiver For Drone Surveying .....	168.17	
01 71 23 16-0116	EA		Beyond Visual Line Of Sight (BVLOS) Waiver For Drone Surveying.....	840.85	
01 71 23 16-0117	HR		Editing Video For Drone Surveying..... Note: 2 hour minimum	168.17	
01 71 23 16-0118	HR		Editing Pictures For Drone Surveying..... Note: 2 hour minimum	84.08	
01 71 23 16-0119	HR		Custom Post Processing For Drone Surveying..... Note: 3 hour minimum	252.26	
<b>01 71 36</b>			<b>Non-Destructive Concrete Examination</b> (01 71)		
01 71 36 00-0001			<b>Electromagnetic Survey</b> (01 71 36) Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).		
01 71 36 00-0002			<b>Electromagnetic (SIR/GPR) Survey</b> (01 71 36 00-0001)		
01 71 36 00-0003	EA		Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,085.40	
01 71 36 00-0004	EA		>1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,628.10	
01 71 36 00-0005	EA		>4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	3,256.20	
01 71 36 00-0006			<b>Reports And Mapping For Electromagnetic (SIR/GPR) Surveys</b> (01 71 36 00-0001)		
01 71 36 00-0007	EA		Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt..... Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.	361.80	
01 71 36 00-0008	EA		GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt..... Note: Includes GPS coordinates of located items and reference items.	723.60	
01 71 36 00-0009	EA		CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt..... Note: Includes additions to the owner provided CAD drawing.	1,628.10	
<b>01 74</b>			<b>Cleaning and Waste Management</b> (01 70)		
<b>01 74 13</b>			<b>Progress Cleaning</b> (01 74) Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.		
01 74 13 00-0001			<b>General</b> (01 74 13)		
01 74 13 00-0002	CSF		Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent.....	19.86	
01 74 13 00-0003	CY		Collect Existing Debris And Load Into Truck Or Dumpster .....	23.27	
			Note: Per CY of debris removed.		
<b>01 74 16</b>			<b>Site Maintenance</b> (01 74)		
01 74 16 00-0001			<b>Parking Lot, Roads And Pathway Maintenance</b> (01 74 16) Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Tasks not to be used in conjunction with related installation/demolition tasks in the Construction Task Catalog®.		
01 74 16 00-0002			<b>Parking Lot, Road, And Street Sweeping</b> (01 74 16 00-0001)		
01 74 16 00-0003	MSF		Sweep Parking Lot, With Street Sweeper.....	20.70	
01 74 16 00-0004	MSF		Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads.....	24.84	
<b>01 74 19</b>			<b>Construction Waste Management and Disposal</b> (01 74) Note: Tasks in this section shall be used as directed by owner.		
01 74 19 00-0001			<b>Debris Chutes</b> (01 74 19) Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.		
01 74 19 00-0002			<b>Steel Temporary Debris Chutes</b> (01 74 19 00-0001)		
01 74 19 00-0003	LF		18" Diameter, Steel Temporary Debris Chute.....	38.21	
01 74 19 00-0004	LF		30" Diameter, Steel Temporary Debris Chute.....	58.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 74 19 00-0005 Plastic Temporary Debris Chutes</b> <small>(01 74 19 00-0001)</small>		
01 74 19 00-0006 LF 24" Diameter, Plastic Temporary Debris Chute ..... <i>For Steel Liner, Add</i>	15.13 3.02	
01 74 19 00-0007 LF 30" Diameter, Plastic Temporary Debris Chute ..... <i>For Steel Liner, Add</i>	17.36 3.47	
01 74 19 00-0008 LF 36" Diameter, Plastic Temporary Debris Chute ..... <i>For Steel Liner, Add</i>	19.57 3.91	
<b>01 74 19 00-0009 Wood Temporary Debris Chutes</b> <small>(01 74 19 00-0001)</small>		
01 74 19 00-0010 LF 4' x 4', Wood Temporary Debris Chute ..... <i>Note: Includes fabrication and installation.</i>	30.43	
<b>01 74 19 00-0011 Construction Dumpsters Rental</b> <small>(01 74 19)</small>		
<i>Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.</i>		
01 74 19 00-0012 EA 10 CY Dumpster (1 Ton) "Construction Debris" ..... <i>Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.</i> <i>For Each Ton Over Indicated Amount, Add</i>	527.49 65.00	
01 74 19 00-0013 EA 15 CY Dumpster (1.5 Ton) "Construction Debris" ..... <i>Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.</i> <i>For Each Ton Over Indicated Amount, Add</i>	559.98 65.00	
01 74 19 00-0014 EA 20 CY Dumpster (3 Ton) "Construction Debris" ..... <i>Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.</i> <i>For Each Ton Over Indicated Amount, Add</i>	615.00 65.00	
01 74 19 00-0015 EA 30 CY Dumpster (4 Ton) "Construction Debris" ..... <i>Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.</i> <i>For Each Ton Over Indicated Amount, Add</i>	664.99 65.00	
01 74 19 00-0016 EA 40 CY Dumpster (6 Ton) "Construction Debris" ..... <i>Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.</i> <i>For Each Ton Over Indicated Amount, Add</i>	789.98 65.00	
01 74 19 00-0017 EA 10 CY Low-Boy Dumpster "Concrete Or Asphalt Only" ..... <i>Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.</i>	692.93	
01 74 19 00-0018 EA 15 CY Low-Boy Dumpster Clean Recyclable..... <i>Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.</i>	756.13	
01 74 19 00-0019 EA 15 CY Low-Boy Dumpster Mixed Recyclable ..... <i>Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.</i>	812.56	
<b>01 74 19 00-0020 Concrete Washout Service</b> <small>(01 74 19)</small>		
01 74 19 00-0021 MO Rampless Concrete Washout Bin ..... <i>Note: Includes delivery.</i>	529.26	
01 74 19 00-0022 MO Ramped Concrete Washout Bin ..... <i>Note: Includes delivery.</i>	635.11	
01 74 19 00-0023 EA Interim Vacuum Service, Concrete Washout Bin..... <i>Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.</i>	598.02	
01 74 19 00-0024 EA Vacuum, Pickup, Swap And Dump, Concrete Washout Bin ..... <i>Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.</i>	1,295.71	
<b>01 74 19 00-0025 Debris Processing Fee</b> <small>(01 74 19)</small>		
<b>01 74 19 00-0026 Material Recycling Fees</b> <small>(01 74 19 00-0025)</small>		
<i>Note: Not to be used with Dumpster Tasks which includes the Landfill Dump Fee. Excludes hauling.</i>		
01 74 19 00-0027 CY Drop-Off Asphalt At Recycling Center ..... 01 74 19 00-0028 CY Drop-Off Non Reinforced Concrete At Recycling Center ..... 01 74 19 00-0029 CY Drop-Off Reinforced Concrete At Recycling Center..... 01 74 19 00-0030 CY Drop-Off Brick Or Block At Recycling Center..... 01 74 19 00-0031 CY Drop-Off Dirt At Recycling Center..... 01 74 19 00-0032 CY Drop-Off Dimensional Lumber At Recycling Center.....	10.84 14.52 21.78 18.88 21.05 20.33	
<b>01 74 19 00-0033 Landfill Dump Fees</b> <small>(01 74 19 00-0025)</small>		
<i>Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling.</i>		
01 74 19 00-0034 CY Traditional Building Construction Materials Landfill Dump Fee..... 01 74 19 00-0035 TON Traditional Building Construction Materials, Landfill Dump Fee..... 01 74 19 00-0036 CY Trees, Stumps And Brush, Landfill Dump Fee..... 01 74 19 00-0037 CY Hazardous Materials And Rubbish Landfill Dump Fee ..... <i>Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc.</i> 01 74 19 00-0038 CY Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee .....	9.66 42.11 11.63 27.73 19.71	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 70</b>	<b>Execution and Closeout Requirements</b>
	<b>01 74</b>	<b>Cleaning and Waste Management</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 74 19 00-0039	<b>Hauling</b> <small>(01 74 19)</small> Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0040	CYM Hauling On Paved Roads, First 15 Miles .....	0.95	
01 74 19 00-0041	CYM Hauling On Paved Roads, Miles Over Initial 15 Miles.....	0.64	
01 74 19 00-0042	CYM Hauling On Unimproved Roads, First 15 Miles .....	1.46	
01 74 19 00-0043	CYM Hauling On Unimproved Roads, Miles Over Initial 15 Miles.....	1.14	

**01 74 23 Final Cleaning** (01 74)

01 74 23 00-0001	<b>Cleaning Of Glass</b> <small>(01 74 23)</small>		
01 74 23 00-0002	CSF Cleaning Of Existing Glass Surfaces .....	27.41	

**END OF SECTION 01**



<b>Existing Conditions</b>	<b>02</b>	<b>02</b>
Assessment	02 20	
Existing Material Assessment	02 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 02 Existing Conditions

### 02 20 Assessment <sup>(02)</sup>

#### 02 25 Existing Material Assessment <sup>(02 20)</sup>

##### **02 25 16 Existing Concrete, Masonry or Asphalt Assessment** <sup>(02 25)</sup>

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

##### **02 25 16 13 Concrete Assessment Drilling** <sup>(02 25 16)</sup>

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

### 02 30 Subsurface Investigation <sup>(02)</sup>

#### 02 32 Geotechnical Investigations <sup>(02 30)</sup>

##### **02 32 13 Subsurface Drilling and Sampling** <sup>(02 32)</sup>

See CSI section 01 45 23 00-0000 for testing and lab reports.

##### 02 32 13 00-0001 Mobilization Of Drilling Crew <sup>(02 32 13)</sup>

02 32 13 00-0002 EA Mobilization Of Drilling Crew ..... 1,115.83

##### 02 32 13 00-0003 Auger Borings <sup>(02 32 13)</sup>

02 32 13 00-0004 LF Standard Auger Hole With Split Spoon Sample At 5' Intervals ..... 33.61

##### 02 32 13 00-0005 Cased Borings In Earth, With Samples <sup>(02 32 13)</sup>

Note: All types of soils.

02 32 13 00-0006 LF 2-1/2" Diameter Cased Borings In Earth, With Samples ..... 88.89

02 32 13 00-0007 LF 4" Diameter Cased Borings In Earth, With Samples ..... 152.04

##### 02 32 13 00-0008 Drilling In Rock, BW Core (2.125") <sup>(02 32 13)</sup>

02 32 13 00-0009 LF Drill In Rock, BW Core, With Casing ..... 93.64

Note: Includes sampling.

02 32 13 00-0010 EA Drill In Rock, With BW Core Boxes ..... 8.98

##### 02 32 13 00-0011 Drilling In Rock, NW Core (2.98") <sup>(02 32 13)</sup>

02 32 13 00-0012 LF Drill In Rock, NW Core, With Casing ..... 121.19

Note: Includes sampling.

02 32 13 00-0013 EA Drill In Rock, With NW Core Boxes ..... 10.32

##### 02 32 13 00-0014 Test Pits For Boring Activities <sup>(02 32 13)</sup>

Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.

##### 02 32 13 00-0015 Backhoe Dug Test Pits <sup>(02 32 13 00-0014)</sup>

02 32 13 00-0016 CY Excavation For Test Pit, Light Material, Backhoe Excavation ..... 63.34

02 32 13 00-0017 CY Excavation For Test Pits, Medium Material, Backhoe Excavation ..... 73.90

02 32 13 00-0018 CY Excavation For Test Pit, Heavy Material, Backhoe Excavation ..... 98.54

##### 02 32 13 00-0019 Hand-Dug Test Pits <sup>(02 32 13 00-0014)</sup>

02 32 13 00-0020 CY Excavation For Test Pit, Light Soil, Hand Excavation ..... 176.30

02 32 13 00-0021 CY Excavation For Test Pit, Heavy Soil, Hand Excavation ..... 317.34

##### 02 32 13 00-0022 Shelby Tube Sampling <sup>(02 32 13)</sup>

02 32 13 00-0023 EA Shelby Tube Sampling ..... 52.27

02 32 13 00-0024 EA Penetration Test ..... 42.59

##### 02 32 13 00-0025 Grouting <sup>(02 32 13)</sup>

02 32 13 00-0026 VLF Boreholes ..... 9.91

##### **02 32 19 Exploratory Excavations** <sup>(02 32)</sup>

##### 02 32 19 00-0001 Hydro Excavation <sup>(02 32 19)</sup>

Note: Assumes on-site disposal.

02 32 19 00-0002 EA Hydro Excavation, Mobilization/Demobilization ..... 162.67

02 32 19 00-0003 EA Hydro Excavation, Minimum Charge ..... 650.68

Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task

exclusively. This task should not be used in conjunction with any other tasks in this section.

02 32 19 00-0004 CY Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck) ..... 36.15

Note: Normal soil conditions consist of silt, sand and gravel.

<b>02</b>	<b>02 Existing Conditions</b>
	<b>02 30 Subsurface Investigation</b>
	<b>02 32 Geotechnical Investigations</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 32 19 00-0005 CY Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck).....57.83  
 Note: Adverse soil conditions consist of clay, glacial till and rocks.

**02 40 Demolition and Structure Moving** (02)

**02 41 Demolition** (02 40)

**02 41 13 Selective Site Demolition** (02 41)

**02 41 13 13 Paving Removal** (02 41 13)

Note: Includes break-up of material, loading into truck or dumpster and clean-up. Salvage tasks include placement on pallets and storage on site.

**02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete Paving** (02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving .....	6.79
		<i>For &gt;500 To 1,000, Deduct</i>	-0.68
		<i>For &gt;1,000 To 2,500, Deduct</i>	-1.22
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.77
		<i>For &gt;5,000 To 10,000, Deduct</i>	-2.31
		<i>For &gt;10,000, Deduct</i>	-2.85
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving .....	10.18
		<i>For &gt;500 To 1,000, Deduct</i>	-1.02
		<i>For &gt;1,000 To 2,500, Deduct</i>	-1.83
		<i>For &gt;2,500 To 5,000, Deduct</i>	-2.65
		<i>For &gt;5,000 To 10,000, Deduct</i>	-3.46
		<i>For &gt;10,000, Deduct</i>	-4.28
02 41 13 13-0004	SY	>6" To 8" By Machine, Break-up And Leave In Place Bituminous Paving .....	13.58
		<i>For &gt;500 To 1,000, Deduct</i>	-1.36
		<i>For &gt;1,000 To 2,500, Deduct</i>	-2.44
		<i>For &gt;2,500 To 5,000, Deduct</i>	-3.53
		<i>For &gt;5,000 To 10,000, Deduct</i>	-4.62
		<i>For &gt;10,000, Deduct</i>	-5.70
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving .....	13.37
		<i>For &gt;500 To 1,000, Deduct</i>	-1.34
		<i>For &gt;1,000 To 2,500, Deduct</i>	-2.41
		<i>For &gt;2,500 To 5,000, Deduct</i>	-3.48
		<i>For &gt;5,000 To 10,000, Deduct</i>	-4.55
		<i>For &gt;10,000, Deduct</i>	-5.62
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving .....	18.87
		<i>For &gt;500 To 1,000, Deduct</i>	-1.89
		<i>For &gt;1,000 To 2,500, Deduct</i>	-3.40
		<i>For &gt;2,500 To 5,000, Deduct</i>	-4.91
		<i>For &gt;5,000 To 10,000, Deduct</i>	-6.42
		<i>For &gt;10,000, Deduct</i>	-7.93
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving .....	26.74
		<i>For &gt;500 To 1,000, Deduct</i>	-2.67
		<i>For &gt;1,000 To 2,500, Deduct</i>	-4.81
		<i>For &gt;2,500 To 5,000, Deduct</i>	-6.95
		<i>For &gt;5,000 To 10,000, Deduct</i>	-9.09
		<i>For &gt;10,000, Deduct</i>	-11.23
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving.....	37.75
		<i>For &gt;500 To 1,000, Deduct</i>	-3.78
		<i>For &gt;1,000 To 2,500, Deduct</i>	-6.80
		<i>For &gt;2,500 To 5,000, Deduct</i>	-9.82
		<i>For &gt;5,000 To 10,000, Deduct</i>	-12.84
		<i>For &gt;10,000, Deduct</i>	-15.86
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving.....	49.37
		<i>For &gt;500 To 1,000, Deduct</i>	-4.94
		<i>For &gt;1,000 To 2,500, Deduct</i>	-8.89
		<i>For &gt;2,500 To 5,000, Deduct</i>	-12.84
		<i>For &gt;5,000 To 10,000, Deduct</i>	-16.79
		<i>For &gt;10,000, Deduct</i>	-20.74
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving.....	64.17
		<i>For &gt;500 To 1,000, Deduct</i>	-6.42
		<i>For &gt;1,000 To 2,500, Deduct</i>	-11.55
		<i>For &gt;2,500 To 5,000, Deduct</i>	-16.68
		<i>For &gt;5,000 To 10,000, Deduct</i>	-21.82
		<i>For &gt;10,000, Deduct</i>	-26.95

**02 41 13 13-0011 By Hand, Break-up And Leave In Place Bituminous And Concrete Paving** (02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0036 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving .....	1.63
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving .....	2.06
02 41 13 13-0014	SF	>6" To 8" By Hand, Break-up And Leave In Place Bituminous Paving .....	2.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0015 SF Up To 3" By Hand, Break-up And Leave In Place Concrete Paving .....	2.04	
02 41 13 13-0016 SF >3" To 6" By Hand, Break-up And Leave In Place Concrete Paving .....	2.59	
02 41 13 13-0017 SF >6" To 8" By Hand, Break-up And Leave In Place Concrete Paving .....	3.42	
<b>02 41 13 13-0018 By Machine, Break-up And Remove Bituminous And Concrete Paving</b> <small>(02 41 13 13)</small>		
<small><sup>13)</sup> Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0001 for saw cutting.</small>		
02 41 13 13-0019 SY Up To 3" By Machine, Break-up And Remove Bituminous Paving .....	14.92	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.48	
For Elevated Slab, Add	7.46	
For >500 To 1,000, Deduct	-1.49	
For >1,000 To 2,500, Deduct	-2.69	
For >2,500 To 5,000, Deduct	-3.88	
For >5,000 To 10,000, Deduct	-5.07	
For >10,000, Deduct	-6.27	
02 41 13 13-0020 SY >3" To 6" By Machine, Break-up And Remove Bituminous Paving.....	20.37	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	6.11	
For Elevated Slab, Add	10.19	
For >500 To 1,000, Deduct	-2.04	
For >1,000 To 2,500, Deduct	-3.67	
For >2,500 To 5,000, Deduct	-5.30	
For >5,000 To 10,000, Deduct	-6.93	
For >10,000, Deduct	-8.56	
02 41 13 13-0021 SY >6" To 9" By Machine, Break-up And Remove Bituminous Paving.....	28.26	
For Elevated Slab, Add	14.13	
For >500 To 1,000, Deduct	-2.83	
For >1,000 To 2,500, Deduct	-5.09	
For >2,500 To 5,000, Deduct	-7.35	
For >5,000 To 10,000, Deduct	-9.61	
For >10,000, Deduct	-11.87	
02 41 13 13-0022 SY >9" To 12" By Machine, Break-up And Remove Bituminous Paving.....	36.88	
For Elevated Slab, Add	18.44	
For >500 To 1,000, Deduct	-3.69	
For >1,000 To 2,500, Deduct	-6.64	
For >2,500 To 5,000, Deduct	-9.59	
For >5,000 To 10,000, Deduct	-12.54	
For >10,000, Deduct	-15.49	
02 41 13 13-0023 SY >12" To 15" By Machine, Break-up And Remove Bituminous Paving.....	51.34	
For Elevated Slab, Add	25.67	
For >500 To 1,000, Deduct	-5.13	
For >1,000 To 2,500, Deduct	-9.24	
For >2,500 To 5,000, Deduct	-13.35	
For >5,000 To 10,000, Deduct	-17.46	
For >10,000, Deduct	-21.56	
02 41 13 13-0024 SY >15" To 18" By Machine, Break-up And Remove Bituminous Paving.....	70.60	
For Elevated Slab, Add	35.30	
For >500 To 1,000, Deduct	-7.06	
For >1,000 To 2,500, Deduct	-12.71	
For >2,500 To 5,000, Deduct	-18.36	
For >5,000 To 10,000, Deduct	-24.00	
For >10,000, Deduct	-29.65	
02 41 13 13-0025 SY Up To 3" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	17.16	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	5.15	
For Elevated Slab, Add	8.58	
For >500 To 1,000, Deduct	-1.72	
For >1,000 To 2,500, Deduct	-3.09	
For >2,500 To 5,000, Deduct	-4.46	
For >5,000 To 10,000, Deduct	-5.83	
For >10,000, Deduct	-7.21	
02 41 13 13-0026 SY >3" To 6" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	22.46	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	6.74	
For Elevated Slab, Add	11.23	
For >500 To 1,000, Deduct	-2.25	
For >1,000 To 2,500, Deduct	-4.04	
For >2,500 To 5,000, Deduct	-5.84	
For >5,000 To 10,000, Deduct	-7.64	
For >10,000, Deduct	-9.43	
02 41 13 13-0027 SY Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	22.78	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	6.83	
For Elevated Slab, Add	11.39	
For >500 To 1,000, Deduct	-2.28	
For >1,000 To 2,500, Deduct	-4.10	
For >2,500 To 5,000, Deduct	-5.92	
For >5,000 To 10,000, Deduct	-7.75	
For >10,000, Deduct	-9.57	
02 41 13 13-0028 SY >3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	29.52	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	8.86	
For Elevated Slab, Add	14.76	
For >500 To 1,000, Deduct	-2.95	
For >1,000 To 2,500, Deduct	-5.31	
For >2,500 To 5,000, Deduct	-7.68	
For >5,000 To 10,000, Deduct	-10.04	
For >10,000, Deduct	-12.40	

<b>02</b>	<b>Existing Conditions</b>
<b>02 40</b>	<b>Demolition and Structure Moving</b>
<b>02 41</b>	<b>Demolition</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0029 SY >6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving .....	48.93	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	14.68	
For Elevated Slab, Add	24.47	
For >500 To 1,000, Deduct	-4.89	
For >1,000 To 2,500, Deduct	-8.81	
For >2,500 To 5,000, Deduct	-12.72	
For >5,000 To 10,000, Deduct	-16.64	
For >10,000, Deduct	-20.55	
02 41 13 13-0030 SY Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	24.70	
For Elevated Slab, Add	12.35	
For >500 To 1,000, Deduct	-2.47	
For >1,000 To 2,500, Deduct	-4.45	
For >2,500 To 5,000, Deduct	-6.42	
For >5,000 To 10,000, Deduct	-8.40	
For >10,000, Deduct	-10.37	
02 41 13 13-0031 SY >3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	31.77	
For Elevated Slab, Add	15.89	
For >500 To 1,000, Deduct	-3.18	
For >1,000 To 2,500, Deduct	-5.72	
For >2,500 To 5,000, Deduct	-8.26	
For >5,000 To 10,000, Deduct	-10.80	
For >10,000, Deduct	-13.34	
02 41 13 13-0032 SY >6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	56.80	
For Elevated Slab, Add	28.40	
For >500 To 1,000, Deduct	-5.68	
For >1,000 To 2,500, Deduct	-10.22	
For >2,500 To 5,000, Deduct	-14.77	
For >5,000 To 10,000, Deduct	-19.31	
For >10,000, Deduct	-23.86	
02 41 13 13-0033 SY >9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	74.12	
For Elevated Slab, Add	37.06	
For >500 To 1,000, Deduct	-7.41	
For >1,000 To 2,500, Deduct	-13.34	
For >2,500 To 5,000, Deduct	-19.27	
For >5,000 To 10,000, Deduct	-25.20	
For >10,000, Deduct	-31.13	
02 41 13 13-0034 SY >14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	96.90	
For Elevated Slab, Add	48.45	
For >500 To 1,000, Deduct	-9.69	
For >1,000 To 2,500, Deduct	-17.44	
For >2,500 To 5,000, Deduct	-25.19	
For >5,000 To 10,000, Deduct	-32.95	
For >10,000, Deduct	-40.70	
02 41 13 13-0035 SY >19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	117.60	
For Elevated Slab, Add	58.80	
For >500 To 1,000, Deduct	-11.76	
For >1,000 To 2,500, Deduct	-21.17	
For >2,500 To 5,000, Deduct	-30.58	
For >5,000 To 10,000, Deduct	-39.98	
For >10,000, Deduct	-49.39	
<b>02 41 13 13-0036 By Hand, Break-up And Remove Bituminous And Concrete Paving</b> <small>(02 41 13 13)</small>		
Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 13 13-0037 SF Up To 3" By Hand, Break-up And Remove Bituminous Paving .....	3.63	
02 41 13 13-0038 SF >3" To 6" By Hand, Break-up And Remove Bituminous Paving.....	4.77	
02 41 13 13-0039 SF >6" To 8" By Hand, Break-up And Remove Bituminous Paving.....	6.21	
02 41 13 13-0040 SF Up To 3" By Hand, Break-up And Remove Concrete Paving.....	4.54	
02 41 13 13-0041 SF >3" To 6" By Hand, Break-up And Remove Concrete Paving.....	6.27	
02 41 13 13-0042 SF >6" To 8" By Hand, Break-up And Remove Concrete Paving.....	8.03	
02 41 13 13-0043 SF Up To 3" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	6.36	
02 41 13 13-0044 SF >3" To 6" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	8.78	
02 41 13 13-0045 SF >6" To 8" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	11.24	
<b>02 41 13 13-0046 Grind Concrete</b> <small>(02 41 13 13)</small>		
02 41 13 13-0047 EA Grind Existing Sidewalks, Up To 1/2" Depth, To Remove Ridges (Tripping Hazard).....	215.42	
Note: For each location up to 5' wide, feather up to 12" each direction.		
For >1/2" To 1" Depth Of Grinding, Add	32.31	
For >1" To 1-1/2" Depth Of Grinding, Add	53.86	
For Up To 5, Add	43.08	
For >5 To 10, Add	21.54	
For >25 To 50, Deduct	-21.54	
For >50 To 250, Deduct	-32.31	
For >250, Deduct	-43.08	
For Sidewalks >5', Add	21.54	
For Up To 12" Additional Feathering Per Side, Add	21.54	
<b>02 41 13 15 Hydro Demolition</b> <small>(02 41 13)</small>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>02 41 13 15-0001</b> <b>Hydro Demolition Of Concrete Pavement</b> <small>(02 41 13 15)</small>		
Note: Includes removal but excludes disposal of concrete.		
02 41 13 15-0002     SF     Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	7.10	
02 41 13 15-0003     SF     >2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	8.88	
02 41 13 15-0004     SF     >4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	11.87	
02 41 13 15-0005     SF     >6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	23.64	
<b>02 41 16</b> <b>Structure Demolition</b> <small>(02 41)</small>		
<b>02 41 16 13</b> <b>Building Demolition</b> <small>(02 41 16)</small>		
<b>02 41 16 13-0001</b> <b>Building Interior Demolition</b> <small>(02 41 16 13)</small>		
Note: Guttled and placed in truck or dumpsters. Based on overall floor area including space under demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminants or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.		
02 41 16 13-0002     GSF     Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck .....	7.38	
02 41 16 13-0003     GSF     Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	11.17	
02 41 16 13-0004     GSF     >2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck .....	9.13	
02 41 16 13-0005     GSF     >10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck .....	8.12	
<b>02 41 16 13-0006</b> <b>Commercial And Residential Structures Demolition</b> <small>(02 41 16 13)</small>		
Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site clean-up, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.		
<b>02 41 16 13-0007</b> <b>Steel Framed Building Demolition</b> <small>(02 41 16 13-0006)</small>		
Note: Includes masonry partitions and concrete decks.		
02 41 16 13-0008     CCF     By Pneumatic Tools/Hand, Steel Framed Building Demolition .....	69.78	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		-5.23
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		-10.47
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		-15.70
For Up To 500, Add		20.93
For >500 To 1,000, Add		13.96
For >1,000 To 2,000, Add		6.98
For Volume Of Area Within 15' To An Adjacent Building, Add		23.03
For No Interior Partitions, Deduct		-17.45
02 41 16 13-0009     CCF     By Machine, Steel Framed Building Demolition .....	43.97	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		-3.30
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		-6.60
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		-9.89
For Up To 500, Add		13.19
For >500 To 1,000, Add		8.79
For >1,000 To 2,000, Add		4.40
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		6.60
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		10.99
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		15.39
For Volume Of Area Within 15' To An Adjacent Building, Add		14.51
For No Interior Partitions, Deduct		-10.99
<b>02 41 16 13-0010</b> <b>Reinforced Concrete Building Demolition</b> <small>(02 41 16 13-0006)</small>		
02 41 16 13-0011     CCF     By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition.....	87.56	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		-6.57
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		-13.13
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		-19.70
For Up To 500, Add		26.27
For >500 To 1,000, Add		17.51
For >1,000 To 2,000, Add		8.76
For Volume Of Area Within 15' To An Adjacent Building, Add		28.89
For No Interior Partitions, Deduct		-21.89
02 41 16 13-0012     CCF     By Machine, Reinforced Concrete Building Demolition.....	58.04	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		-4.35
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		-8.71
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		-13.06
For Up To 500, Add		17.41
For >500 To 1,000, Add		11.61
For >1,000 To 2,000, Add		5.80
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		8.71
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		14.51
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		20.31
For Volume Of Area Within 15' To An Adjacent Building, Add		19.15
For No Interior Partitions, Deduct		-14.51



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>02 41 16 13-0013</b>	<b>Masonry Construction Building Demolition</b> (02 41 16 13-0006)	
02 41 16 13-0014	CCF By Pneumatic Tools/Hand, Masonry Construction Building Demolition.....	61.53
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;12' To 15', Deduct</i>	-4.61
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;15' To 18', Deduct</i>	-9.23
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;18' To 21', Deduct</i>	-13.84
	<i>For Up To 500, Add</i>	18.46
	<i>For &gt;500 To 1,000, Add</i>	12.31
	<i>For &gt;1,000 To 2,000, Add</i>	6.15
	<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	20.30
	<i>For No Interior Partitions, Deduct</i>	-15.38
02 41 16 13-0015	CCF By Machine, Masonry Construction Building Demolition.....	39.45
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;12' To 15', Deduct</i>	-2.96
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;15' To 18', Deduct</i>	-5.92
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;18' To 21', Deduct</i>	-8.88
	<i>For Up To 500, Add</i>	11.84
	<i>For &gt;500 To 1,000, Add</i>	7.89
	<i>For &gt;1,000 To 2,000, Add</i>	3.95
	<i>For Work &gt;3 Stories To 6 Stories (Exclude Volume Below), Add</i>	5.92
	<i>For Work &gt;6 Stories To 10 Stories (Exclude Volume Below), Add</i>	9.86
	<i>For Work &gt;10 Stories To 15 Stories (Exclude Volume Below), Add</i>	13.81
	<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	13.02
	<i>For No Interior Partitions, Deduct</i>	-9.86
<b>02 41 16 13-0016</b>	<b>Wood Frame Construction Building Demolition</b> (02 41 16 13-0006)	
02 41 16 13-0017	CCF By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition.....	53.47
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;12' To 15', Deduct</i>	-4.01
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;15' To 18', Deduct</i>	-8.02
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;18' To 21', Deduct</i>	-12.03
	<i>For Up To 500, Add</i>	16.04
	<i>For &gt;500 To 1,000, Add</i>	10.69
	<i>For &gt;1,000 To 2,000, Add</i>	5.35
	<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	17.65
	<i>For No Interior Partitions, Deduct</i>	-13.37
02 41 16 13-0018	CCF By Machine, Wood Frame Construction Building Demolition.....	33.75
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;12' To 15', Deduct</i>	-2.53
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;15' To 18', Deduct</i>	-5.06
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;18' To 21', Deduct</i>	-7.59
	<i>For Up To 500, Add</i>	10.13
	<i>For &gt;500 To 1,000, Add</i>	6.75
	<i>For &gt;1,000 To 2,000, Add</i>	3.38
	<i>For Work &gt;3 Stories To 6 Stories (Exclude Volume Below), Add</i>	5.06
	<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	11.14
	<i>For No Interior Partitions, Deduct</i>	-8.44
<b>02 41 16 13-0019</b>	<b>Sorting Of Material Debris For Recycling Prior To Hauling Off</b> (02 41 16 13-0006)	
	Note: Per building volume.	
02 41 16 13-0020	CCF Sorting Of Material Debris For Recycling Prior To Hauling Off.....	8.71
	<i>For Up To 500, Add</i>	2.61
	<i>For &gt;500 To 1,000, Add</i>	1.74
	<i>For &gt;1,000 To 2,000, Add</i>	0.87
<b>02 41 16 13-0021</b>	<b>Foundation Demolition</b> (02 41 16 13)	
	Note: Excludes earthwork.	
<b>02 41 16 13-0022</b>	<b>Concrete Foundation Demolition</b> (02 41 16 13-0021)	
02 41 16 13-0023	CF Non Reinforced Concrete Foundation Demolition.....	13.69
	<i>For &gt;135 To 405, Deduct</i>	-1.20
	<i>For &gt;405 To 810, Deduct</i>	-2.40
	<i>For &gt;810 To 2025, Deduct</i>	-3.42
	<i>For &gt;2025, Deduct</i>	-5.48
02 41 16 13-0024	CF Reinforced Concrete Foundation Demolition.....	16.43
	<i>For &gt;135 To 405, Deduct</i>	-1.44
	<i>For &gt;405 To 810, Deduct</i>	-2.88
	<i>For &gt;810 To 2025, Deduct</i>	-4.11
	<i>For &gt;2025, Deduct</i>	-6.57
<b>02 41 16 13-0025</b>	<b>Concrete Foundation Wall Demolition</b> (02 41 16 13-0021)	
02 41 16 13-0026	SF 4" Thick Non Reinforced Concrete Foundation Wall Demolition.....	5.87
	<i>For &gt;500 To 2,000, Deduct</i>	-0.44
	<i>For &gt;2,000 To 6,000, Deduct</i>	-1.17
	<i>For &gt;6,000 To 8,000, Deduct</i>	-2.05
	<i>For &gt;8,000, Deduct</i>	-3.23
02 41 16 13-0027	SF 6" Thick Non Reinforced Concrete Foundation Wall Demolition.....	7.82
	<i>For &gt;500 To 2,000, Deduct</i>	-0.59
	<i>For &gt;2,000 To 6,000, Deduct</i>	-1.56
	<i>For &gt;6,000 To 8,000, Deduct</i>	-2.74
	<i>For &gt;8,000, Deduct</i>	-4.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0028 SF 8" Thick Non Reinforced Concrete Foundation Wall Demolition.....	9.78	
<i>For &gt;500 To 2,000, Deduct</i>	-0.73	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.96	
<i>For &gt;6,000 To 8,000, Deduct</i>	-3.42	
<i>For &gt;8,000, Deduct</i>	-5.38	
02 41 16 13-0029 SF 10" Thick Non Reinforced Concrete Foundation Wall Demolition.....	11.73	
<i>For &gt;500 To 2,000, Deduct</i>	-0.88	
<i>For &gt;2,000 To 6,000, Deduct</i>	-2.35	
<i>For &gt;6,000 To 8,000, Deduct</i>	-4.11	
<i>For &gt;8,000, Deduct</i>	-6.45	
02 41 16 13-0030 SF 12" Thick Non Reinforced Concrete Foundation Wall Demolition.....	13.69	
<i>For &gt;500 To 2,000, Deduct</i>	-1.03	
<i>For &gt;2,000 To 6,000, Deduct</i>	-2.74	
<i>For &gt;6,000 To 8,000, Deduct</i>	-4.79	
<i>For &gt;8,000, Deduct</i>	-7.53	
02 41 16 13-0031 SF 16" Thick Non Reinforced Concrete Foundation Wall Demolition.....	15.65	
<i>For &gt;500 To 2,000, Deduct</i>	-1.17	
<i>For &gt;2,000 To 6,000, Deduct</i>	-3.13	
<i>For &gt;6,000 To 8,000, Deduct</i>	-5.48	
<i>For &gt;8,000, Deduct</i>	-8.61	
02 41 16 13-0032 SF 4" Thick Reinforced Concrete Foundation Wall Demolition .....	7.04	
<i>For &gt;500 To 2,000, Deduct</i>	-0.53	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.41	
<i>For &gt;6,000 To 8,000, Deduct</i>	-2.46	
<i>For &gt;8,000, Deduct</i>	-3.87	
02 41 16 13-0033 SF 6" Thick Reinforced Concrete Foundation Wall Demolition .....	9.39	
<i>For &gt;500 To 2,000, Deduct</i>	-0.70	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.88	
<i>For &gt;6,000 To 8,000, Deduct</i>	-3.29	
<i>For &gt;8,000, Deduct</i>	-5.16	
02 41 16 13-0034 SF 8" Thick Reinforced Concrete Foundation Wall Demolition .....	11.73	
<i>For &gt;500 To 2,000, Deduct</i>	-0.88	
<i>For &gt;2,000 To 6,000, Deduct</i>	-2.35	
<i>For &gt;6,000 To 8,000, Deduct</i>	-4.11	
<i>For &gt;8,000, Deduct</i>	-6.45	
02 41 16 13-0035 SF 10" Thick Reinforced Concrete Foundation Wall Demolition .....	13.88	
<i>For &gt;500 To 2,000, Deduct</i>	-1.04	
<i>For &gt;2,000 To 6,000, Deduct</i>	-2.78	
<i>For &gt;6,000 To 8,000, Deduct</i>	-4.86	
<i>For &gt;8,000, Deduct</i>	-7.63	
02 41 16 13-0036 SF 12" Thick Reinforced Concrete Foundation Wall Demolition .....	16.43	
<i>For &gt;500 To 2,000, Deduct</i>	-1.23	
<i>For &gt;2,000 To 6,000, Deduct</i>	-3.29	
<i>For &gt;6,000 To 8,000, Deduct</i>	-5.75	
<i>For &gt;8,000, Deduct</i>	-9.04	
02 41 16 13-0037 SF 16" Thick Reinforced Concrete Foundation Wall Demolition .....	18.78	
<i>For &gt;500 To 2,000, Deduct</i>	-1.41	
<i>For &gt;2,000 To 6,000, Deduct</i>	-3.76	
<i>For &gt;6,000 To 8,000, Deduct</i>	-6.57	
<i>For &gt;8,000, Deduct</i>	-10.33	
<b>02 41 16 13-0038 Concrete Block Foundation Wall Demolition (02 41 16 13-0021)</b> .....	<b>4.30</b>	
02 41 16 13-0039 SF 4" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	4.30	
<i>For &gt;500 To 2,000, Deduct</i>	-0.32	
<i>For &gt;2,000 To 6,000, Deduct</i>	-0.86	
<i>For &gt;6,000 To 8,000, Deduct</i>	-1.51	
<i>For &gt;8,000, Deduct</i>	-2.37	
02 41 16 13-0040 SF 6" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	4.59	
<i>For &gt;500 To 2,000, Deduct</i>	-0.34	
<i>For &gt;2,000 To 6,000, Deduct</i>	-0.92	
<i>For &gt;6,000 To 8,000, Deduct</i>	-1.61	
<i>For &gt;8,000, Deduct</i>	-2.52	
02 41 16 13-0041 SF 8" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	5.18	
<i>For &gt;500 To 2,000, Deduct</i>	-0.39	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.04	
<i>For &gt;6,000 To 8,000, Deduct</i>	-1.81	
<i>For &gt;8,000, Deduct</i>	-2.85	
02 41 16 13-0042 SF 10" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	5.96	
<i>For &gt;500 To 2,000, Deduct</i>	-0.45	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.19	
<i>For &gt;6,000 To 8,000, Deduct</i>	-2.09	
<i>For &gt;8,000, Deduct</i>	-3.28	
02 41 16 13-0043 SF 12" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	6.65	
<i>For &gt;500 To 2,000, Deduct</i>	-0.50	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.33	
<i>For &gt;6,000 To 8,000, Deduct</i>	-2.33	
<i>For &gt;8,000, Deduct</i>	-3.66	
02 41 16 13-0044 SF 16" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	8.32	
<i>For &gt;500 To 2,000, Deduct</i>	-0.62	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.66	
<i>For &gt;6,000 To 8,000, Deduct</i>	-2.91	
<i>For &gt;8,000, Deduct</i>	-4.58	

<b>02</b>	<b>Existing Conditions</b>
<b>02 40</b>	<b>Demolition and Structure Moving</b>
<b>02 41</b>	<b>Demolition</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0045	SF		4" Thick Reinforced Concrete Block Foundation Wall Demolition.....	5.16	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.39	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.03	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-1.81	
			<i>For &gt;8,000, Deduct</i>	-2.84	
02 41 16 13-0046	SF		6" Thick Reinforced Concrete Block Foundation Wall Demolition.....	5.51	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.41	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.10	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-1.93	
			<i>For &gt;8,000, Deduct</i>	-3.03	
02 41 16 13-0047	SF		8" Thick Reinforced Concrete Block Foundation Wall Demolition.....	6.22	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.47	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.24	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-2.18	
			<i>For &gt;8,000, Deduct</i>	-3.42	
02 41 16 13-0048	SF		10" Thick Reinforced Concrete Block Foundation Wall Demolition.....	7.16	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.54	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.43	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-2.51	
			<i>For &gt;8,000, Deduct</i>	-3.94	
02 41 16 13-0049	SF		12" Thick Reinforced Concrete Block Foundation Wall Demolition.....	7.98	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.60	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.60	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-2.79	
			<i>For &gt;8,000, Deduct</i>	-4.39	
02 41 16 13-0050	SF		16" Thick Reinforced Concrete Block Foundation Wall Demolition.....	9.98	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.75	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-2.00	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-3.49	
			<i>For &gt;8,000, Deduct</i>	-5.49	
<b>02 41 16 13-0051</b>			<b>Brick Foundation Wall Demolition</b> (02 41 16 13-0021)		
02 41 16 13-0052	SF		4" Thick Brick Foundation Wall Demolition.....	4.30	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.32	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-0.86	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-1.51	
			<i>For &gt;8,000, Deduct</i>	-2.37	
02 41 16 13-0053	SF		6" Thick Brick Foundation Wall Demolition.....	4.59	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.34	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-0.92	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-1.61	
			<i>For &gt;8,000, Deduct</i>	-2.52	
02 41 16 13-0054	SF		8" Thick Brick Foundation Wall Demolition.....	5.18	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.39	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.04	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-1.81	
			<i>For &gt;8,000, Deduct</i>	-2.85	
02 41 16 13-0055	SF		10" Thick Brick Foundation Wall Demolition.....	5.96	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.45	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.19	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-2.09	
			<i>For &gt;8,000, Deduct</i>	-3.28	
02 41 16 13-0056	SF		12" Thick Brick Foundation Wall Demolition.....	6.65	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.50	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.33	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-2.33	
			<i>For &gt;8,000, Deduct</i>	-3.66	
02 41 16 13-0057	SF		16" Thick Brick Foundation Wall Demolition.....	8.32	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.62	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.66	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-2.91	
			<i>For &gt;8,000, Deduct</i>	-4.58	
<b>02 41 16 13-0058</b>			<b>Stone Foundation Demolition</b> (02 41 16 13-0021)		
02 41 16 13-0059	CF		Stone Footing Or Foundation Wall Demolition.....	13.69	
			<i>For &gt;135 To 405, Deduct</i>	-1.20	
			<i>For &gt;405 To 810, Deduct</i>	-2.40	
			<i>For &gt;810 To 2025, Deduct</i>	-3.42	
			<i>For &gt;2025, Deduct</i>	-5.48	
<b>02 41 16 13-0060</b>			<b>Other Foundation Demolition</b> (02 41 16 13-0021)		
02 41 16 13-0061	CF		Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition.....	14.39	
			Note: Includes excavation.		
			<i>For &gt;135 To 405, Deduct</i>	-1.26	
			<i>For &gt;405 To 810, Deduct</i>	-2.52	
			<i>For &gt;810 To 2025, Deduct</i>	-3.60	
			<i>For &gt;2025, Deduct</i>	-5.76	

**02 41 19 Selective Demolition** (02 41)**02 41 19 13 Selective Building Demolition** (02 41 19)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>02 41 19 13-0001</b>	<b>Saw Cutting</b> <small>(02 41 19 13)</small>		
	Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0002	LF Bituminous Paving Up To 4" Depth, Saw Cut .....	2.09	
	For Each Additional Pass (Depth To 3"), Add	0.81	
	For >250, Deduct	-0.20	
02 41 19 13-0003	LF Brick Masonry Up To 4" Depth, Saw Cut .....	7.92	
	For Each Additional Pass (Depth To 3"), Add	3.14	
	For >250, Deduct	-0.78	
02 41 19 13-0004	LF Concrete Block Up To 4" Depth, Saw Cut .....	7.16	
	For Each Additional Pass (Depth To 3"), Add	2.84	
	For >250, Deduct	-0.71	
02 41 19 13-0005	LF Non Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut .....	2.39	
	For Each Additional Pass (Depth To 3"), Add	0.92	
	For >250, Deduct	-0.23	
02 41 19 13-0006	LF Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut .....	3.15	
	For Each Additional Pass (Depth To 3"), Add	1.22	
	For >250, Deduct	-0.30	
02 41 19 13-0007	LF Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut .....	5.25	
	For Each Additional Pass (Depth To 3"), Add	2.06	
	For >250, Deduct	-0.51	
02 41 19 13-0008	LF Plain Concrete Walls Up To 4" Depth, Saw Cut .....	10.15	
	For Each Additional Pass (Depth To 3"), Add	4.03	
	For >250, Deduct	-1.00	
02 41 19 13-0009	LF Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth.....	13.64	
	For Each Additional Pass (Depth To 3"), Add	5.42	
	For >250, Deduct	-1.35	
02 41 19 13-0010	LF Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets.....	2.84	
	For Each Additional Pass (Depth To 3"), Add	1.02	
	For >250, Deduct	-0.24	
02 41 19 13-0011	LF Igneous Stone Pavements Up To 4" Depth, Saw Cut.....	7.18	
	For Each Additional Pass (Depth To 3"), Add	2.84	
	For >250, Deduct	-0.71	
02 41 19 13-0012	LF Sedimentary Stone Pavements Up To 4" Depth, Saw Cut .....	7.18	
	For Each Additional Pass (Depth To 3"), Add	2.84	
	For >250, Deduct	-0.71	
02 41 19 13-0013	LF Metamorphic Stone Pavements Up To 4" Depth, Saw Cut.....	7.18	
	For Each Additional Pass (Depth To 3"), Add	2.84	
	For >250, Deduct	-0.71	
02 41 19 13-0014	LF Terrazzo Stone Pavements Up To 4" Depth, Saw Cut .....	7.18	
	For Each Additional Pass (Depth To 3"), Add	2.84	
	For >250, Deduct	-0.71	
02 41 19 13-0015	EA Saw Cut Minimum Charge .....	1,015.88	
	Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

<b>02 41 19 13-0016</b>	<b>Torch Cutting</b> <small>(02 41 19 13)</small>		
	Note: Includes grinding edge		
02 41 19 13-0017	LF Up To 1/2", Torch Cut Steel Plate.....	2.88	
02 41 19 13-0018	LF >1/2" To 1" Thick, Torch Cut Steel Plate .....	5.76	
02 41 19 13-0019	LF >1" To 1-1/2" Thick, Torch Cut Steel Plate .....	8.64	
02 41 19 13-0020	LF >1-1/2" To 2" Thick, Torch Cut Steel Plate .....	11.54	
02 41 19 13-0021	LF >2" To 2-1/2" Thick, Torch Cut Steel Plate .....	14.41	
02 41 19 13-0022	LF >2-1/2" To 3" Thick, Torch Cut Steel Plate .....	17.30	
02 41 19 13-0023	EA Torch Cutting Minimum Charge .....	954.14	
	Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

<b>02 41 19 13-0024</b>	<b>Drilling In Existing Materials</b> <small>(02 41 19 13)</small>		
	Note: Includes drill bit wear, water, layout, set-up and clean-up.		

<b>02 41 19 13-0025</b>	<b>Concrete Core Drilling</b> <small>(02 41 19 13-0024)</small>		
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<b>02 41 19 13-0026</b>	<b>Up To 4" Thick Concrete Core Drilling</b> <small>(02 41 19 13-0025)</small>		
02 41 19 13-0027	EA Drill 1" Diameter Core In Up To 4" Concrete.....	38.93	
	For Horizontal Cores, Add	7.70	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	15.40	
02 41 19 13-0028	EA Drill 1-1/2" Diameter Core In Up To 4" Concrete .....	43.20	
	For Horizontal Cores, Add	8.55	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	17.11	
02 41 19 13-0029	EA Drill 2" Diameter Core In Up To 4" Concrete.....	47.96	
	For Horizontal Cores, Add	9.51	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.01	
02 41 19 13-0030	EA Drill 3" Diameter Core In Up To 4" Concrete.....	68.48	
	For Horizontal Cores, Add	13.58	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.16	
02 41 19 13-0031	EA Drill 4" Diameter Core In Up To 4" Concrete.....	91.77	
	For Horizontal Cores, Add	18.20	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.40	

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0032 EA Drill 6" Diameter Core In Up To 4" Concrete.....	102.83	
For Horizontal Cores, Add	20.37	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	40.74	
02 41 19 13-0033 EA Drill 8" Diameter Core In Up To 4" Concrete.....	164.33	
For Horizontal Cores, Add	32.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	65.19	
02 41 19 13-0034 EA Drill 10" Diameter Core In Up To 4" Concrete.....	205.56	
For Horizontal Cores, Add	40.74	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	81.49	
02 41 19 13-0035 EA Drill 12" Diameter Core In Up To 4" Concrete.....	239.88	
For Horizontal Cores, Add	47.54	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	95.07	
02 41 19 13-0036 EA Drill 14" Diameter Core In Up To 4" Concrete.....	274.22	
For Horizontal Cores, Add	54.32	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	108.64	
02 41 19 13-0037 EA Drill 18" Diameter Core In Up To 4" Concrete.....	308.90	
For Horizontal Cores, Add	61.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	122.21	
<b>02 41 19 13-0038 &gt;4" To 6" Thick Concrete Core Drilling</b> (02 41 19 13-0025)		
02 41 19 13-0039 EA Drill 1" Diameter Core In >4" To 6" Concrete.....	55.65	
For Horizontal Cores, Add	11.00	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.00	
02 41 19 13-0040 EA Drill 1-1/2" Diameter Core In >4" To 6" Concrete.....	61.76	
For Horizontal Cores, Add	12.22	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.44	
02 41 19 13-0041 EA Drill 2" Diameter Core In >4" To 6" Concrete.....	68.55	
For Horizontal Cores, Add	13.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.16	
02 41 19 13-0042 EA Drill 3" Diameter Core In >4" To 6" Concrete.....	82.40	
For Horizontal Cores, Add	16.30	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.60	
02 41 19 13-0043 EA Drill 4" Diameter Core In >4" To 6" Concrete.....	103.05	
For Horizontal Cores, Add	20.37	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	40.74	
02 41 19 13-0044 EA Drill 6" Diameter Core In >4" To 6" Concrete.....	137.29	
For Horizontal Cores, Add	27.16	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	54.32	
02 41 19 13-0045 EA Drill 8" Diameter Core In >4" To 6" Concrete.....	205.76	
For Horizontal Cores, Add	40.74	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	81.49	
02 41 19 13-0046 EA Drill 10" Diameter Core In >4" To 6" Concrete.....	240.43	
For Horizontal Cores, Add	47.54	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	95.07	
02 41 19 13-0047 EA Drill 12" Diameter Core In >4" To 6" Concrete.....	274.90	
For Horizontal Cores, Add	54.32	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	108.64	
02 41 19 13-0048 EA Drill 14" Diameter Core In >4" To 6" Concrete.....	309.54	
For Horizontal Cores, Add	61.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	122.21	
02 41 19 13-0049 EA Drill 18" Diameter Core In >4" To 6" Concrete.....	344.70	
For Horizontal Cores, Add	67.90	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	135.80	
<b>02 41 19 13-0050 &gt;6" To 8" Thick Concrete Core Drilling</b> (02 41 19 13-0025)		
02 41 19 13-0051 EA Drill 1" Diameter Core In >6" To 8" Concrete.....	61.40	
For Horizontal Cores, Add	12.10	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.20	
02 41 19 13-0052 EA Drill 1-1/2" Diameter Core In >6" To 8" Concrete.....	68.12	
For Horizontal Cores, Add	13.44	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	26.89	
02 41 19 13-0053 EA Drill 2" Diameter Core In >6" To 8" Concrete.....	75.60	
For Horizontal Cores, Add	14.94	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	29.88	
02 41 19 13-0054 EA Drill 3" Diameter Core In >6" To 8" Concrete.....	89.51	
For Horizontal Cores, Add	17.66	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	35.31	
02 41 19 13-0055 EA Drill 4" Diameter Core In >6" To 8" Concrete.....	117.06	
For Horizontal Cores, Add	23.09	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	46.18	
02 41 19 13-0056 EA Drill 6" Diameter Core In >6" To 8" Concrete.....	164.98	
For Horizontal Cores, Add	32.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	65.19	
02 41 19 13-0057 EA Drill 8" Diameter Core In >6" To 8" Concrete.....	274.33	
For Horizontal Cores, Add	54.32	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	108.64	
02 41 19 13-0058 EA Drill 10" Diameter Core In >6" To 8" Concrete.....	309.19	
For Horizontal Cores, Add	61.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	122.21	
02 41 19 13-0059 EA Drill 12" Diameter Core In >6" To 8" Concrete.....	343.90	
For Horizontal Cores, Add	67.90	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	135.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0060 EA Drill 14" Diameter Core In >6" To 8" Concrete.....	378.79	
For Horizontal Cores, Add	74.68	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	149.36	
02 41 19 13-0061 EA Drill 18" Diameter Core In >6" To 8" Concrete.....	414.43	
For Horizontal Cores, Add	81.48	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	162.97	
<b>02 41 19 13-0062 &gt;8" To 10" Thick Concrete Core Drilling (02 41 19 13-0025)</b>		
02 41 19 13-0063 EA Drill 1" Diameter Core In >8" To 10" Concrete.....	72.63	
For Horizontal Cores, Add	14.30	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	28.60	
02 41 19 13-0064 EA Drill 1-1/2" Diameter Core In >8" To 10" Concrete.....	80.57	
For Horizontal Cores, Add	15.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.78	
02 41 19 13-0065 EA Drill 2" Diameter Core In >8" To 10" Concrete.....	89.40	
For Horizontal Cores, Add	17.65	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	35.31	
02 41 19 13-0066 EA Drill 3" Diameter Core In >8" To 10" Concrete.....	103.41	
For Horizontal Cores, Add	20.37	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	40.74	
02 41 19 13-0067 EA Drill 4" Diameter Core In >8" To 10" Concrete.....	117.48	
For Horizontal Cores, Add	23.09	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	46.18	
02 41 19 13-0068 EA Drill 6" Diameter Core In >8" To 10" Concrete.....	165.49	
For Horizontal Cores, Add	32.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	65.19	
02 41 19 13-0069 EA Drill 8" Diameter Core In >8" To 10" Concrete.....	275.02	
For Horizontal Cores, Add	54.32	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	108.64	
02 41 19 13-0070 EA Drill 10" Diameter Core In >8" To 10" Concrete.....	310.10	
For Horizontal Cores, Add	61.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	122.21	
02 41 19 13-0071 EA Drill 12" Diameter Core In >8" To 10" Concrete.....	344.93	
For Horizontal Cores, Add	67.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	135.78	
02 41 19 13-0072 EA Drill 14" Diameter Core In >8" To 10" Concrete.....	380.17	
For Horizontal Cores, Add	74.68	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	149.36	
02 41 19 13-0073 EA Drill 18" Diameter Core In >8" To 10" Concrete.....	416.17	
For Horizontal Cores, Add	81.47	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	162.94	
<b>02 41 19 13-0074 &gt;10" To 12" Thick Concrete Core Drilling (02 41 19 13-0025)</b>		
02 41 19 13-0075 EA Drill 1" Diameter Core In >10" To 12" Concrete.....	78.38	
For Horizontal Cores, Add	15.40	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.80	
02 41 19 13-0076 EA Drill 1-1/2" Diameter Core In >10" To 12" Concrete.....	86.93	
For Horizontal Cores, Add	17.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	34.22	
02 41 19 13-0077 EA Drill 2" Diameter Core In >10" To 12" Concrete.....	96.44	
For Horizontal Cores, Add	19.01	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.03	
02 41 19 13-0078 EA Drill 3" Diameter Core In >10" To 12" Concrete.....	103.74	
For Horizontal Cores, Add	20.37	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	40.74	
02 41 19 13-0079 EA Drill 4" Diameter Core In >10" To 12" Concrete.....	138.26	
For Horizontal Cores, Add	27.16	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	54.32	
02 41 19 13-0080 EA Drill 6" Diameter Core In >10" To 12" Concrete.....	179.58	
For Horizontal Cores, Add	35.31	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	70.62	
02 41 19 13-0081 EA Drill 8" Diameter Core In >10" To 12" Concrete.....	289.31	
For Horizontal Cores, Add	57.04	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	114.08	
02 41 19 13-0082 EA Drill 10" Diameter Core In >10" To 12" Concrete.....	311.01	
For Horizontal Cores, Add	61.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	122.21	
02 41 19 13-0083 EA Drill 12" Diameter Core In >10" To 12" Concrete.....	359.70	
For Horizontal Cores, Add	70.63	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	141.25	
<b>02 41 19 13-0084 &gt;12" Thick Concrete Core Drilling (02 41 19 13-0025)</b>		
02 41 19 13-0085 IN Drill 1" Diameter Core In >12" Concrete.....	9.52	
For Horizontal Cores, Add	1.88	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.76	
02 41 19 13-0086 IN Drill 1-1/2" Diameter Core In >12" Concrete.....	10.57	
For Horizontal Cores, Add	2.09	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.18	
02 41 19 13-0087 IN Drill 2" Diameter Core In >12" Concrete.....	11.74	
For Horizontal Cores, Add	2.33	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0088 IN Drill 3" Diameter Core In >12" Concrete .....	12.89	
For Horizontal Cores, Add	2.55	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.09	
02 41 19 13-0089 IN Drill 4" Diameter Core In >12" Concrete .....	17.16	
For Horizontal Cores, Add	3.39	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	6.78	
02 41 19 13-0090 IN Drill 6" Diameter Core In >12" Concrete .....	22.33	
For Horizontal Cores, Add	4.42	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	8.83	
02 41 19 13-0091 IN Drill 8" Diameter Core In >12" Concrete .....	36.02	
For Horizontal Cores, Add	7.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.27	
02 41 19 13-0092 IN Drill 10" Diameter Core In >12" Concrete .....	38.81	
For Horizontal Cores, Add	7.67	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	15.34	
02 41 19 13-0093 IN Drill 12" Diameter Core In >12" Concrete .....	44.72	
For Horizontal Cores, Add	8.83	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	17.67	
<b>02 41 19 13-0094 Brick/Concrete Block Core Drilling (02 41 19 13-0024)</b>		
<b>02 41 19 13-0095 Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>		
02 41 19 13-0096 EA Drill 1" Diameter Core In Up To 4" Brick/Concrete Block .....	31.23	
For Horizontal Cores, Add	6.16	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	12.32	
02 41 19 13-0097 EA Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block .....	34.65	
For Horizontal Cores, Add	6.84	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.69	
02 41 19 13-0098 EA Drill 2" Diameter Core In Up To 4" Brick/Concrete Block .....	38.46	
For Horizontal Cores, Add	7.61	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	15.21	
02 41 19 13-0099 EA Drill 3" Diameter Core In Up To 4" Brick/Concrete Block .....	54.90	
For Horizontal Cores, Add	10.86	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	21.73	
02 41 19 13-0100 EA Drill 4" Diameter Core In Up To 4" Brick/Concrete Block .....	73.57	
For Horizontal Cores, Add	14.56	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	29.12	
02 41 19 13-0101 EA Drill 6" Diameter Core In Up To 4" Brick/Concrete Block .....	82.47	
For Horizontal Cores, Add	16.30	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.60	
02 41 19 13-0102 EA Drill 8" Diameter Core In Up To 4" Brick/Concrete Block .....	131.73	
For Horizontal Cores, Add	26.08	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	52.15	
02 41 19 13-0103 EA Drill 10" Diameter Core In Up To 4" Brick/Concrete Block .....	164.81	
For Horizontal Cores, Add	32.59	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	65.19	
02 41 19 13-0104 EA Drill 12" Diameter Core In Up To 4" Brick/Concrete Block .....	192.35	
For Horizontal Cores, Add	38.03	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	76.06	
02 41 19 13-0105 EA Drill 14" Diameter Core In Up To 4" Brick/Concrete Block .....	219.90	
For Horizontal Cores, Add	43.46	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	86.91	
02 41 19 13-0106 EA Drill 18" Diameter Core In Up To 4" Brick/Concrete Block .....	247.80	
For Horizontal Cores, Add	48.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	97.77	
<b>02 41 19 13-0107 &gt;4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>		
02 41 19 13-0108 EA Drill 1" Diameter Core In > 4" To 6" Brick/Concrete Block .....	44.65	
For Horizontal Cores, Add	8.80	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	17.60	
02 41 19 13-0109 EA Drill 1-1/2" Diameter Core In > 4" To 6" Brick/Concrete Block .....	49.54	
For Horizontal Cores, Add	9.78	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.55	
02 41 19 13-0110 EA Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block .....	54.98	
For Horizontal Cores, Add	10.86	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	21.73	
02 41 19 13-0111 EA Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block .....	66.10	
For Horizontal Cores, Add	13.04	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	26.08	
02 41 19 13-0112 EA Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block .....	82.69	
For Horizontal Cores, Add	16.30	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.60	
02 41 19 13-0113 EA Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block .....	110.14	
For Horizontal Cores, Add	21.73	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	43.46	
02 41 19 13-0114 EA Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block .....	165.01	
For Horizontal Cores, Add	32.59	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	65.19	
02 41 19 13-0115 EA Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block .....	192.90	
For Horizontal Cores, Add	38.03	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	76.06	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0116 EA Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block .....	220.58	
For Horizontal Cores, Add	43.46	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	86.91	
02 41 19 13-0117 EA Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block .....	248.44	
For Horizontal Cores, Add	48.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	97.77	
02 41 19 13-0118 EA Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block .....	276.80	
For Horizontal Cores, Add	54.32	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	108.64	
<b>02 41 19 13-0119 &gt;6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>		
02 41 19 13-0120 EA Drill 1" Diameter Core In > 6" To 8" Brick/Concrete Block .....	49.30	
For Horizontal Cores, Add	9.68	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.36	
02 41 19 13-0121 EA Drill 1-1/2" Diameter Core In > 6" To 8" Brick/Concrete Block .....	54.68	
For Horizontal Cores, Add	10.76	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	21.51	
02 41 19 13-0122 EA Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block .....	60.66	
For Horizontal Cores, Add	11.95	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	23.90	
02 41 19 13-0123 EA Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block .....	71.86	
For Horizontal Cores, Add	14.13	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	28.25	
02 41 19 13-0124 EA Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block .....	93.96	
For Horizontal Cores, Add	18.47	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.94	
02 41 19 13-0125 EA Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block .....	132.38	
For Horizontal Cores, Add	26.08	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	52.15	
02 41 19 13-0126 EA Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block .....	220.01	
For Horizontal Cores, Add	43.46	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	86.91	
02 41 19 13-0127 EA Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block .....	248.09	
For Horizontal Cores, Add	48.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	97.77	
02 41 19 13-0128 EA Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block .....	276.00	
For Horizontal Cores, Add	54.32	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	108.64	
02 41 19 13-0129 EA Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block .....	304.10	
For Horizontal Cores, Add	59.74	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	119.48	
02 41 19 13-0130 EA Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block .....	332.95	
For Horizontal Cores, Add	65.19	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	130.38	
<b>02 41 19 13-0131 &gt;8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>		
02 41 19 13-0132 EA Drill 1" Diameter Core In > 8" To 10" Brick/Concrete Block .....	58.33	
For Horizontal Cores, Add	11.44	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.88	
02 41 19 13-0133 EA Drill 1-1/2" Diameter Core In > 8" To 10" Brick/Concrete Block .....	64.68	
For Horizontal Cores, Add	12.71	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.42	
02 41 19 13-0134 EA Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block .....	71.74	
For Horizontal Cores, Add	14.12	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	28.24	
02 41 19 13-0135 EA Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block .....	83.05	
For Horizontal Cores, Add	16.30	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.60	
02 41 19 13-0136 EA Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block .....	94.38	
For Horizontal Cores, Add	18.47	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.94	
02 41 19 13-0137 EA Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block .....	132.89	
For Horizontal Cores, Add	26.08	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	52.15	
02 41 19 13-0138 EA Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block .....	220.70	
For Horizontal Cores, Add	43.46	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	86.91	
02 41 19 13-0139 EA Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block .....	249.00	
For Horizontal Cores, Add	48.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	97.77	
02 41 19 13-0140 EA Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block .....	277.04	
For Horizontal Cores, Add	54.31	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	108.62	
02 41 19 13-0141 EA Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block .....	305.48	
For Horizontal Cores, Add	59.74	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	119.48	
02 41 19 13-0142 EA Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block .....	334.69	
For Horizontal Cores, Add	65.17	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	130.34	
<b>02 41 19 13-0143 &gt;10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>		

<b>02</b>	<b>Existing Conditions</b>
<b>02 40</b>	<b>Demolition and Structure Moving</b>
<b>02 41</b>	<b>Demolition</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0144 EA Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block .....	62.98	
For Horizontal Cores, Add	12.32	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.64	
02 41 19 13-0145 EA Drill 1-1/2" Diameter Core In > 10" To 12" Brick/Concrete Block .....	69.82	
For Horizontal Cores, Add	13.69	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.38	
02 41 19 13-0146 EA Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block .....	77.42	
For Horizontal Cores, Add	15.21	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.42	
02 41 19 13-0147 EA Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block .....	83.38	
For Horizontal Cores, Add	16.30	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.60	
02 41 19 13-0148 EA Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block .....	111.11	
For Horizontal Cores, Add	21.73	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	43.46	
02 41 19 13-0149 EA Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block .....	144.27	
For Horizontal Cores, Add	28.25	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	56.50	
02 41 19 13-0150 EA Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block .....	232.28	
For Horizontal Cores, Add	45.63	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	91.26	
02 41 19 13-0151 EA Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block .....	249.91	
For Horizontal Cores, Add	48.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	97.77	
02 41 19 13-0152 EA Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block .....	289.07	
For Horizontal Cores, Add	56.50	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	113.00	
<b>02 41 19 13-0153 &gt;12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>		
02 41 19 13-0154 IN Drill 1" Diameter Core In >12" Brick/Concrete Block.....	7.64	
For Horizontal Cores, Add	1.51	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.01	
02 41 19 13-0155 IN Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block.....	8.48	
For Horizontal Cores, Add	1.67	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.35	
02 41 19 13-0156 IN Drill 2" Diameter Core In >12" Brick/Concrete Block.....	9.41	
For Horizontal Cores, Add	1.86	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.72	
02 41 19 13-0157 IN Drill 3" Diameter Core In >12" Brick/Concrete Block.....	10.34	
For Horizontal Cores, Add	2.04	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.07	
02 41 19 13-0158 IN Drill 4" Diameter Core In >12" Brick/Concrete Block.....	13.77	
For Horizontal Cores, Add	2.71	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.43	
02 41 19 13-0159 IN Drill 6" Diameter Core In >12" Brick/Concrete Block.....	17.92	
For Horizontal Cores, Add	3.53	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	7.07	
02 41 19 13-0160 IN Drill 8" Diameter Core In >12" Brick/Concrete Block.....	28.88	
For Horizontal Cores, Add	5.71	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.42	
02 41 19 13-0161 IN Drill 10" Diameter Core In >12" Brick/Concrete Block.....	31.14	
For Horizontal Cores, Add	6.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	12.27	
02 41 19 13-0162 IN Drill 12" Diameter Core In >12" Brick/Concrete Block.....	35.89	
For Horizontal Cores, Add	7.07	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.14	
<b>02 41 19 13-0163 Asphalt Core Drilling (02 41 19 13-0024)</b>		
<b>02 41 19 13-0164 Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0163)</b>		
02 41 19 13-0165 EA Drill 1" Diameter Core In Up To 2" Asphalt .....	18.67	
02 41 19 13-0166 EA Drill 1-1/2" Diameter Core In Up To 2" Asphalt .....	23.35	
02 41 19 13-0167 EA Drill 2" Diameter Core In Up To 2" Asphalt .....	29.20	
02 41 19 13-0168 EA Drill 3" Diameter Core In Up To 2" Asphalt .....	36.21	
02 41 19 13-0169 EA Drill 4" Diameter Core In Up To 2" Asphalt .....	45.57	
02 41 19 13-0170 EA Drill 6" Diameter Core In Up To 2" Asphalt .....	57.25	
02 41 19 13-0171 EA Drill 8" Diameter Core In Up To 2" Asphalt .....	71.31	
02 41 19 13-0172 EA Drill 10" Diameter Core In Up To 2" Asphalt .....	88.80	
02 41 19 13-0173 EA Drill 12" Diameter Core In Up To 2" Asphalt .....	110.99	
<b>02 41 19 13-0174 &gt;2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0163)</b>		
02 41 19 13-0175 EA Drill 1" Diameter Core In >2" To 3" Asphalt.....	23.34	
02 41 19 13-0176 EA Drill 1-1/2" Diameter Core In >2" To 3" Asphalt .....	30.35	
02 41 19 13-0177 EA Drill 2" Diameter Core In >2" To 3" Asphalt.....	37.34	
02 41 19 13-0178 EA Drill 3" Diameter Core In >2" To 3" Asphalt.....	46.70	
02 41 19 13-0179 EA Drill 4" Diameter Core In >2" To 3" Asphalt.....	58.38	
02 41 19 13-0180 EA Drill 6" Diameter Core In >2" To 3" Asphalt.....	73.57	
02 41 19 13-0181 EA Drill 8" Diameter Core In >2" To 3" Asphalt.....	91.12	
02 41 19 13-0182 EA Drill 10" Diameter Core In >2" To 3" Asphalt.....	114.45	
02 41 19 13-0183 EA Drill 12" Diameter Core In >2" To 3" Asphalt.....	142.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>02 41 19 13-0184 &gt;3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0163)</b>		
02 41 19 13-0185 EA Drill 1" Diameter Core In >3" To 4" Asphalt .....	30.36	
02 41 19 13-0186 EA Drill 1-1/2" Diameter Core In >3" To 4" Asphalt .....	38.53	
02 41 19 13-0187 EA Drill 2" Diameter Core In >3" To 4" Asphalt .....	47.87	
02 41 19 13-0188 EA Drill 3" Diameter Core In >3" To 4" Asphalt .....	59.57	
02 41 19 13-0189 EA Drill 4" Diameter Core In >3" To 4" Asphalt .....	74.77	
02 41 19 13-0190 EA Drill 6" Diameter Core In >3" To 4" Asphalt .....	93.47	
02 41 19 13-0191 EA Drill 8" Diameter Core In >3" To 4" Asphalt .....	116.90	
02 41 19 13-0192 EA Drill 10" Diameter Core In >3" To 4" Asphalt .....	146.07	
02 41 19 13-0193 EA Drill 12 Diameter Core In >3" To 4" Asphalt.....	182.24	
<b>02 41 19 13-0194 &gt;4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0163)</b>		
02 41 19 13-0195 EA Drill 1" Diameter Core In >4" To 6" Asphalt .....	39.72	
02 41 19 13-0196 EA Drill 1-1/2" Diameter Core In >4" To 6" Asphalt .....	49.09	
02 41 19 13-0197 EA Drill 2" Diameter Core In >4" To 6" Asphalt .....	60.77	
02 41 19 13-0198 EA Drill 3" Diameter Core In >4" To 6" Asphalt .....	77.17	
02 41 19 13-0199 EA Drill 4" Diameter Core In >4" To 6" Asphalt .....	95.91	
02 41 19 13-0200 EA Drill 6" Diameter Core In >4" To 6" Asphalt .....	119.30	
02 41 19 13-0201 EA Drill 8" Diameter Core In >4" To 6" Asphalt .....	149.79	
02 41 19 13-0202 EA Drill 10" Diameter Core In >4" To 6" Asphalt .....	187.13	
02 41 19 13-0203 EA Drill 12" Diameter Core In >4" To 6" Asphalt .....	233.86	
<b>02 41 19 13-0204 Manhole Core Drilling (02 41 19 13-0024)</b>		
02 41 19 13-0205 EA Drill 4" Diameter Core In 6" Brick Manhole .....	204.53	
02 41 19 13-0206 EA Drill 5" Diameter Core In 6" Brick Manhole .....	233.74	
02 41 19 13-0207 EA Drill 6" Diameter Core In 6" Brick Manhole .....	272.60	
02 41 19 13-0208 EA Drill 8" Diameter Core In 6" Brick Manhole .....	408.79	
02 41 19 13-0209 EA Drill 2" Diameter Core In 8" Concrete Manhole.....	274.03	
02 41 19 13-0210 EA Drill 3" Diameter Core In 8" Concrete Manhole.....	291.79	
02 41 19 13-0211 EA Drill 4" Diameter Core In 8" Concrete Manhole.....	321.24	
02 41 19 13-0212 EA Drill 5" Diameter Core In 8" Concrete Manhole.....	344.67	
02 41 19 13-0213 EA Drill 6" Diameter Core In 8" Concrete Manhole.....	408.79	
02 41 19 13-0214 EA Drill 8" Diameter Core In 8" Concrete Manhole.....	583.86	
02 41 19 13-0215 EA Drill 2" Diameter Core In Fiberglass Manhole.....	27.18	
02 41 19 13-0216 EA Drill 3" Diameter Core In Fiberglass Manhole.....	31.37	
02 41 19 13-0217 EA Drill 4" Diameter Core In Fiberglass Manhole.....	33.99	
02 41 19 13-0218 EA Drill 5" Diameter Core In Fiberglass Manhole.....	37.09	
02 41 19 13-0219 EA Drill 6" Diameter Core In Fiberglass Manhole.....	40.80	
02 41 19 13-0220 EA Drill 8" Diameter Core In Fiberglass Manhole.....	45.33	
<b>02 41 19 13-0221 Drilling In Concrete Per Inch Of Depth (02 41 19 13-0024)</b>		
Note: Includes layout.		
02 41 19 13-0222 IN 1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	2.05	
02 41 19 13-0223 IN 3/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.15	
02 41 19 13-0224 IN 1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	2.30	
02 41 19 13-0225 IN 5/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.45	
02 41 19 13-0226 IN 3/4" Diameter Drilling In Concrete Per Inch Of Depth.....	2.69	
02 41 19 13-0227 IN 7/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.91	
02 41 19 13-0228 IN 1" Diameter Drilling In Concrete Per Inch Of Depth.....	3.05	
02 41 19 13-0229 IN 1-1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	3.37	
02 41 19 13-0230 IN 1-1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	3.84	
<b>02 41 19 13-0231 Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0024)</b>		
Note: Includes layout.		
02 41 19 13-0232 IN 1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.71	
02 41 19 13-0233 IN 3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.79	
02 41 19 13-0234 IN 1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.92	
02 41 19 13-0235 IN 5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.05	
02 41 19 13-0236 IN 3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.24	
02 41 19 13-0237 IN 7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.43	
02 41 19 13-0238 IN 1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.55	
02 41 19 13-0239 IN 1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.82	
02 41 19 13-0240 IN 1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.49	
<b>02 41 19 13-0241 Drilling In Wood Or Plastic Per Inch Of Depth (02 41 19 13-0024)</b>		
Note: Includes layout.		
02 41 19 13-0242 IN 1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.84	
02 41 19 13-0243 IN 3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.89	
02 41 19 13-0244 IN 1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.96	
02 41 19 13-0245 IN 5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.02	
02 41 19 13-0246 IN 3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.12	
02 41 19 13-0247 IN 7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.21	
02 41 19 13-0248 IN 1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.28	
02 41 19 13-0249 IN 1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.40	



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TOTAL DIRECT DEMOLITION  
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02 41 19 13-0250	IN	1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.65
<b>02 41 19 13-0251 Drilling In Drywall Or Plaster Per Inch Of Depth (02 41 19 13-0024)</b>			
Note: Includes layout, high efficiency particulate air (HEPA) vacuum and protection.			
02 41 19 13-0252	IN	1/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	0.84
02 41 19 13-0253	IN	3/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	0.89
02 41 19 13-0254	IN	1/2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	0.96
02 41 19 13-0255	IN	5/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.02
02 41 19 13-0256	IN	3/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.12
02 41 19 13-0257	IN	7/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.21
02 41 19 13-0258	IN	1" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.28
02 41 19 13-0259	IN	1-1/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.40
02 41 19 13-0260	IN	1-1/2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.65
<b>02 41 19 13-0261 Limestone Core Drilling (02 41 19 13-0024)</b>			
<b>02 41 19 13-0262 10" To 14" Thick Limestone Core Drilling (02 41 19 13-0261)</b>			
02 41 19 13-0263	EA	Drill 1" Diameter Core In 10" To 14" Limestone.....	58.68
02 41 19 13-0264	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone.....	70.47
02 41 19 13-0265	EA	Drill 2" Diameter Core In 10" To 14" Limestone.....	76.44
02 41 19 13-0266	EA	Drill 3" Diameter Core In 10" To 14" Limestone.....	88.42
02 41 19 13-0267	EA	Drill 4" Diameter Core In 10" To 14" Limestone.....	100.41
02 41 19 13-0268	EA	Drill 6" Diameter Core In 10" To 14" Limestone.....	141.48
02 41 19 13-0269	EA	Drill 8" Diameter Core In 10" To 14" Limestone.....	235.19
<b>02 41 19 13-0270 15" To 18" Thick Limestone Core Drilling (02 41 19 13-0261)</b>			
02 41 19 13-0271	EA	Drill 1" Diameter Core In 15" To 18" Limestone.....	64.61
02 41 19 13-0272	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone.....	76.42
02 41 19 13-0273	EA	Drill 2" Diameter Core In 15" To 18" Limestone.....	82.45
02 41 19 13-0274	EA	Drill 3" Diameter Core In 15" To 18" Limestone.....	88.68
02 41 19 13-0275	EA	Drill 4" Diameter Core In 15" To 18" Limestone.....	118.20
02 41 19 13-0276	EA	Drill 6" Diameter Core In 15" To 18" Limestone.....	153.50
02 41 19 13-0277	EA	Drill 8" Diameter Core In 15" To 18" Limestone.....	247.47
<b>02 41 19 13-0278 19" To 24" Thick Limestone Core Drilling (02 41 19 13-0261)</b>			
02 41 19 13-0279	EA	Drill 1" Diameter Core In 19" To 24" Limestone.....	70.51
02 41 19 13-0280	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone.....	82.37
02 41 19 13-0281	EA	Drill 2" Diameter Core In 19" To 24" Limestone.....	88.43
02 41 19 13-0282	EA	Drill 3" Diameter Core In 19" To 24" Limestone.....	100.52
02 41 19 13-0283	EA	Drill 4" Diameter Core In 19" To 24" Limestone.....	141.73
02 41 19 13-0284	EA	Drill 6" Diameter Core In 19" To 24" Limestone.....	177.11
02 41 19 13-0285	EA	Drill 8" Diameter Core In 19" To 24" Limestone.....	265.56
<b>02 41 19 13-0286 Minimum Charge For Core Drilling (02 41 19 13-0024)</b>			
02 41 19 13-0287	EA	Core Drill Minimum Charge.....	815.73
Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".			
<b>02 41 19 13-0288 Cutouts (02 41 19 13)</b>			
Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.			
<b>02 41 19 13-0289 Reinforced Concrete Slab On Grade Cutouts (02 41 19 13-0288)</b>			
02 41 19 13-0290	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	45.79
02 41 19 13-0291	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	48.57
02 41 19 13-0292	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	51.35
02 41 19 13-0293	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	54.12
02 41 19 13-0294	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	55.51
<b>02 41 19 13-0295 Reinforced Concrete Elevated Slab Cutouts (02 41 19 13-0288)</b>			
Note: Includes cutting and removing steel decking.			
02 41 19 13-0296	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	55.81
02 41 19 13-0297	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	59.19
02 41 19 13-0298	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	62.57
02 41 19 13-0299	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	65.95
02 41 19 13-0300	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	67.65
<b>02 41 19 13-0301 Reinforced Concrete Wall Cutouts (02 41 19 13-0288)</b>			
02 41 19 13-0302	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	57.24
02 41 19 13-0303	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	60.71
02 41 19 13-0304	SF	8" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	64.18
02 41 19 13-0305	SF	10" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	67.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0306 SF 12" Thick Reinforced Concrete Wall Cutouts, <24 SF .....	69.39	
<b>02 41 19 13-0307 Brick Wall Cutouts</b> (02 41 19 13-0288)		
Note: Excludes toothing.		
02 41 19 13-0308 SF 4" Thick Brick Wall Cutouts, <24 SF .....	17.35	
02 41 19 13-0309 SF 6" Thick Brick Wall Cutouts, <24 SF .....	28.62	
02 41 19 13-0310 SF 8" Thick Brick Wall Cutouts, <24 SF .....	39.86	
02 41 19 13-0311 SF 10" Thick Brick Wall Cutouts, <24 SF .....	48.57	
02 41 19 13-0312 SF 12" Thick Brick Wall Cutouts, <24 SF .....	58.11	
02 41 19 13-0313 SF 16" Thick Brick Wall Cutouts, <24 SF .....	68.52	
<b>02 41 19 13-0314 Concrete Block Wall Cutouts</b> (02 41 19 13-0288)		
Note: Excludes toothing.		
02 41 19 13-0315 SF 4" Thick Concrete Block Wall Cutouts, <24 SF .....	28.70	
02 41 19 13-0316 SF 6" Thick Concrete Block Wall Cutouts, <24 SF .....	30.39	
02 41 19 13-0317 SF 8" Thick Concrete Block Wall Cutouts, <24 SF .....	32.09	
02 41 19 13-0318 SF 10" Thick Concrete Block Wall Cutouts, <24 SF .....	33.82	
02 41 19 13-0319 SF 12" Thick Concrete Block Wall Cutouts, <24 SF .....	34.69	
02 41 19 13-0320 SF 16" Thick Concrete Block Wall Cutouts, <24 SF .....	36.42	
<b>02 41 19 13-0321 Limestone Cutouts</b> (02 41 19 13-0288)		
02 41 19 13-0322 SF 2" Thick Limestone Cutouts, <24 SF .....	48.57	
02 41 19 13-0323 SF 4" Thick Limestone Cutouts, <24 SF .....	58.97	
02 41 19 13-0324 SF 6" Thick Limestone Cutouts, <24 SF .....	62.44	
02 41 19 13-0325 SF 8" Thick Limestone Cutouts, <24 SF .....	65.92	
02 41 19 13-0326 SF 10" Thick Limestone Cutouts, <24 SF .....	69.39	
02 41 19 13-0327 SF 12" Thick Limestone Cutouts, <24 SF .....	72.85	
<b>02 41 19 13-0328 Toothing Masonry Cutouts</b> (02 41 19 13-0288)		
Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0329 VLF Brick, Soft Old Mortar, Toothing Masonry Cutouts .....	17.35	
02 41 19 13-0330 VLF Brick, Hard Mortar, Toothing Masonry Cutouts .....	23.42	
02 41 19 13-0331 VLF Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts .....	10.40	
02 41 19 13-0332 VLF Concrete Block, Hard Mortar, Toothing Masonry Cutouts .....	13.88	
<b>02 41 19 13-0333 Minimum Charge For Cutouts</b> (02 41 19 13-0288)		
Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0334 EA Cutouts Minimum Charge .....	346.91	
<b>02 41 19 13-0335 Exterior Masonry Removal</b> (02 41 19 13)		
<b>02 41 19 13-0336 Masonry Columns Removal (Interior And Exterior)</b> (02 41 19 13-0335)		
02 41 19 13-0337 VLF 8" x 8" Masonry Column Removal .....	13.35	
02 41 19 13-0338 VLF 10" x 10" Masonry Column Removal .....	20.86	
02 41 19 13-0339 VLF 12" x 12" Masonry Column Removal .....	26.72	
02 41 19 13-0340 VLF 14" x 14" Masonry Column Removal .....	33.45	
02 41 19 13-0341 VLF 16" x 16" Masonry Column Removal .....	41.09	
02 41 19 13-0342 CF Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square .....	23.07	
<b>02 41 19 13-0343 Masonry Chimney Removal</b> (02 41 19 13-0335)		
02 41 19 13-0344 CF Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	27.07	
02 41 19 13-0345 CF >3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	20.33	
02 41 19 13-0346 CF >10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	15.55	
02 41 19 13-0347 CF >20 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	10.77	
<b>02 41 19 13-0348 Remove And Reset Precast, Stone Or Masonry Coping</b> (02 41 19 13-0335)		
Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0349 LF Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping .....	18.75	
02 41 19 13-0350 LF >8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping .....	27.88	
02 41 19 13-0351 LF >12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping .....	52.97	
<b>02 41 19 13-0352 Facade Removal</b> (02 41 19 13-0335)		
Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0353 SF Stone Or Brick Veneer Facade Removal .....	5.08	
For Cleaning and Storage For Reuse, Add		7.62
For Reinforcing, Add		0.76



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TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>02 41 19 13-0354</b>	<b>Exterior Masonry Removal</b> <small>(02 41 19 13-0335)</small>		
	Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0355	SF Demolish 4" Thick Non Reinforced Concrete Block Exterior Wall .....	4.47	
02 41 19 13-0356	SF Demolish 6" Thick Non Reinforced Concrete Block Exterior Wall .....	5.04	
02 41 19 13-0357	SF Demolish 8" Thick Non Reinforced Concrete Block Exterior Wall .....	6.10	
02 41 19 13-0358	SF Demolish 10" Thick Non Reinforced Concrete Block Exterior Wall .....	6.67	
02 41 19 13-0359	SF Demolish 12" Thick Non Reinforced Concrete Block Exterior Wall .....	7.31	
02 41 19 13-0360	SF Demolish 16" Thick Non Reinforced Concrete Block Exterior Wall .....	9.15	
02 41 19 13-0361	SF Demolish 4" Thick Reinforced Concrete Block Exterior Wall .....	5.29	
02 41 19 13-0362	SF Demolish 6" Thick Reinforced Concrete Block Exterior Wall .....	6.05	
02 41 19 13-0363	SF Demolish 8" Thick Reinforced Concrete Block Exterior Wall .....	7.31	
02 41 19 13-0364	SF Demolish 10" Thick Reinforced Concrete Block Exterior Wall .....	8.00	
02 41 19 13-0365	SF Demolish 12" Thick Reinforced Concrete Block Exterior Wall .....	8.78	
02 41 19 13-0366	SF Demolish 16" Thick Reinforced Concrete Block Exterior Wall .....	10.99	
02 41 19 13-0367	SF Demolish 4" Thick Brick Exterior Wall .....	4.47	
	<i>For Cleaning and Storage For Reuse, Add</i>	6.71	
02 41 19 13-0368	SF Demolish 6" Thick Brick Exterior Wall .....	5.04	
	<i>For Cleaning and Storage For Reuse, Add</i>	7.56	
02 41 19 13-0369	SF Demolish 8" Thick Brick Exterior Wall .....	6.10	
	<i>For Cleaning and Storage For Reuse, Add</i>	9.15	
02 41 19 13-0370	SF Demolish 10" Thick Brick Exterior Wall .....	6.67	
	<i>For Cleaning and Storage For Reuse, Add</i>	10.01	
02 41 19 13-0371	SF Demolish 12" Thick Brick Exterior Wall .....	7.31	
	<i>For Cleaning and Storage For Reuse, Add</i>	10.97	
02 41 19 13-0372	SF Demolish 16" Thick Brick Exterior Wall .....	9.15	
	<i>For Cleaning and Storage For Reuse, Add</i>	13.73	
02 41 19 13-0373	CF Exterior Brick, Concrete Block Or Composite Removal .....	13.01	
	<i>For Cleaning and Storage For Reuse, Add</i>	19.52	
	<i>For Reinforcing, Add</i>	1.95	
<b>02 41 19 13-0374</b>	<b>Lintel Removal</b> <small>(02 41 19 13-0335)</small>		
	Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0375	LF Demolish Steel Lintel .....	12.30	
02 41 19 13-0376	LF Demolish Concrete Or Stone Lintel .....	16.39	
02 41 19 13-0377	LF Demolish Steel Shelf Angle .....	12.98	
<b>02 41 19 13-0378</b>	<b>Reinstall Lintel</b> <small>(02 41 19 13-0335)</small>		
	Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0379	LF Clean, Prime And Paint Steel Shelf Angle Or Lintel .....	6.76	
02 41 19 13-0380	LF Reinstall Existing Concrete Or Stone Lintel .....	16.39	
02 41 19 13-0381	LF Reinstall Existing Steel Shelf Angle .....	44.44	
	Note: Includes fasteners.		
02 41 19 13-0382	LF Reinstall Existing Steel Lintel .....	18.22	
02 41 19 13-0383	LF Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls .....	79.81	
02 41 19 13-0384	LF Removal And Replacement Of Steel Lintel Over Window Openings .....	131.46	
<b>02 41 19 13-0385</b>	<b>Exterior Concrete Wall Removal</b> <small>(02 41 19 13)</small>		
02 41 19 13-0386	SF Demolish 4" Thick Reinforced Concrete Exterior Wall .....	6.09	
02 41 19 13-0387	SF Demolish 6" Thick Reinforced Concrete Exterior Wall .....	11.05	
02 41 19 13-0388	SF Demolish 8" Thick Reinforced Concrete Exterior Wall .....	13.88	
02 41 19 13-0389	SF Demolish 10" Thick Reinforced Concrete Exterior Wall .....	16.38	
02 41 19 13-0390	SF Demolish 12" Thick Reinforced Concrete Exterior Wall .....	19.36	
<b>02 41 19 13-0391</b>	<b>Elevated Concrete Removal</b> <small>(02 41 19 13)</small>		
02 41 19 13-0392	CF Elevated Concrete Beam/Slab/Steps Removal, Reinforced .....	11.62	
<b>02 41 19 16</b>	<b>Selective Interior Demolition</b> <small>(02 41 19)</small>		
	Note: Includes break-up of material, loading into truck or dumpster and clean-up.		
<b>02 41 19 16-0001</b>	<b>Floor Removal</b> <small>(02 41 19 16)</small>		
<b>02 41 19 16-0002</b>	<b>Scarify Concrete</b> <small>(02 41 19 16-0001)</small>		
	Note: Up to 1/4" removal per pass.		
02 41 19 16-0003	SF Scarify Concrete Floor .....	0.28	
02 41 19 16-0004	SF Scarify Concrete Tread And Riser .....	2.39	
02 41 19 16-0005	SF Scarify Concrete Wall .....	2.17	
<b>02 41 19 16-0006</b>	<b>Fireproofing Removal</b> <small>(02 41 19 16)</small>		
02 41 19 16-0007	SF Removal Of Fireproofing From Concrete Or Steel .....	1.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>02 41 19 16-0008</b> Demolish Ceiling <small>(02 41 19 16)</small>		
02 41 19 16-0009 SF Demolish Drywall Ceiling.....	0.87	
02 41 19 16-0010 SF Demolish Furred Plastered Ceiling.....	2.03	
02 41 19 16-0011 SF Demolish Suspended Plastered Ceiling And Suspension System.....	1.56	
<b>02 41 19 16-0012</b> Demolish Concrete Stair <small>(02 41 19 16)</small>		
02 41 19 16-0013 CF Demolish Interior Reinforced Concrete Stairs.....	7.31	
02 41 19 16-0014 CF Demolish Exterior Reinforced Concrete Stairs.....	6.36	
<b>02 41 19 16-0015</b> Demolish Interior Partition/Wall <small>(02 41 19 16)</small>		
Note: Price includes knock down, loading, clean-up.		
<b>02 41 19 16-0016</b> Demolish Masonry And Concrete Interior Partition/Walls <small>(02 41 19 16-0015)</small>		
Note: Includes saw cutting, knock down, loading and clean-up.		
<b>02 41 19 16-0017</b> Demolish Concrete Block Interior Partition/Walls <small>(02 41 19 16-0016)</small>		
02 41 19 16-0018 SF Demolish 4" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	4.74	
02 41 19 16-0019 SF Demolish 6" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	5.06	
02 41 19 16-0020 SF Demolish 8" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	5.71	
02 41 19 16-0021 SF Demolish 12" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	7.32	
02 41 19 16-0022 SF Demolish 16" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	9.15	
02 41 19 16-0023 SF Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall.....	5.69	
02 41 19 16-0024 SF Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall.....	6.08	
02 41 19 16-0025 SF Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall.....	6.85	
02 41 19 16-0026 SF Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall.....	8.79	
02 41 19 16-0027 SF Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall.....	10.99	
<b>02 41 19 16-0028</b> Demolish Brick Interior Partition/Walls <small>(02 41 19 16-0016)</small>		
02 41 19 16-0029 SF Demolish 4" Thick Brick Interior Partition/Wall.....	4.74	
02 41 19 16-0030 SF Demolish 8" Thick Brick Interior Partition/Wall.....	5.71	
02 41 19 16-0031 SF Demolish 12" Thick Brick Interior Partition/Wall.....	7.31	
02 41 19 16-0032 SF Demolish 16" Thick Brick Interior Partition/Wall.....	9.15	
<b>02 41 19 16-0033</b> Demolish Glass Block Interior Partition/Walls <small>(02 41 19 16-0016)</small>		
02 41 19 16-0034 SF Demolish Glass Block Interior Partition/Walls.....	4.06	
<b>02 41 19 16-0035</b> Demolish Concrete Interior Partition/Walls <small>(02 41 19 16-0016)</small>		
See CSI section 02 41 16 13-0021 for concrete foundation demolition.		
02 41 19 16-0036 SF Demolish 6" Thick Non Reinforced Concrete Interior Partition/Wall.....	8.62	
02 41 19 16-0037 SF Demolish 8" Thick Non Reinforced Concrete Interior Partition/Wall.....	10.77	
02 41 19 16-0038 SF Demolish 12" Thick Non Reinforced Concrete Interior Partition/Wall.....	15.08	
02 41 19 16-0039 SF Demolish 6" Thick Reinforced Concrete Interior Partition/Wall.....	10.34	
02 41 19 16-0040 SF Demolish 8" Thick Reinforced Concrete Interior Partition/Wall.....	13.01	
02 41 19 16-0041 SF Demolish 12" Thick Reinforced Concrete Interior Partition/Wall.....	18.09	
<b>02 41 19 16-0042</b> Demolish Terra-Cotta Block Interior Partition/Walls <small>(02 41 19 16-0016)</small>		
02 41 19 16-0043 SF Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster.....	1.63	
<b>02 41 19 16-0044</b> Demolish Stud Framed Interior Partition/Walls <small>(02 41 19 16-0015)</small>		
Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.		
02 41 19 16-0045 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side.....	2.87	
For Heights >14' To 20', Add	0.43	
For Heights >20', Add	0.57	
02 41 19 16-0046 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides.....	3.35	
For Heights >14' To 20', Add	0.50	
For Heights >20', Add	0.67	
02 41 19 16-0047 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side.....	3.67	
For Heights >14' To 20', Add	0.55	
For Heights >20', Add	0.73	
02 41 19 16-0048 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides.....	5.10	
For Heights >14' To 20', Add	0.77	
For Heights >20', Add	1.02	
02 41 19 16-0049 SF Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall.....	1.51	
For Heights >14' To 20', Add	0.23	
For Heights >20', Add	0.30	
02 41 19 16-0050 SF Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall.....	1.80	
For Heights >14' To 20', Add	0.27	
For Heights >20', Add	0.36	

**02 42 Removal and Salvage of Construction Materials** (02 40)

**02 42 21 Salvage of Construction Materials** (02 42)

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 42 Removal and Salvage of Construction Materials**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

Note: Includes placement on pallets and storage on site.

**02 42 21 35 Roofing Salvage** (02 42 21)**02 42 21 35-0001 Clay Tile Roof Remove And Salvage For Re-use** (02 42 21 35)

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 35-0002 SQ Removal Of Clay Roof Tile, Salvage For Re-use.....264.23

**02 42 21 47 Flooring Salvage** (02 42 21)**02 42 21 47-0001 Remove And Salvage For Re-Use** (02 42 21 47)

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 47-0002 SF Removal Of Brick Flooring And Salvage.....2.40  
 02 42 21 47-0003 SF Removal Of Ceramic/Quarry Tile Floor And Salvage.....2.40  
 02 42 21 47-0004 SF Removal Of Terrazzo Flooring And Salvage.....3.32  
 02 42 21 47-0005 SF Removal Of Wood Strip Flooring And Salvage.....1.94  
 02 42 21 47-0006 SF Removal Of Wood Parquet Flooring And Salvage.....1.02  
 02 42 21 47-0007 SF Removal Of Resilient/Linoleum Flooring And Salvage.....0.74

**02 43 Structure Moving** (02 40)**02 43 13 Structure Relocation** (02 43)

Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.

**02 43 13 13 Building Relocation** (02 43 13)**02 43 13 13-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete** (02 43 13)

Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.

02 43 13 13-0002 SF Up To 800 SF, Move Relocatable Metal Frame Building.....33.68  
 02 43 13 13-0003 SF >800 To 920 SF, Move Relocatable Metal Frame Building.....31.83  
 02 43 13 13-0004 SF >920 SF, Move Relocatable Metal Frame Building.....29.79  
 02 43 13 13-0005 SF Up To 800 SF, Move Relocatable Wood Frame Building.....27.02  
 02 43 13 13-0006 SF >800 To 920 SF, Move Relocatable Wood Frame Building.....25.26  
 02 43 13 13-0007 SF >920 SF, Move Relocatable Wood Frame Building.....22.35  
 02 43 13 13-0008 SF Up To 800 SF, Move Relocatable Wood/Metal Frame Building.....32.74  
 02 43 13 13-0009 SF >800 To 920 SF, Move Relocatable Wood/Metal Frame Building.....29.79  
 02 43 13 13-0010 SF >920 SF, Move Relocatable Wood/Metal Frame Building.....25.26

**02 50 Site Remediation** (02)**02 58 Snow Control** (02 50)**02 58 13 Snow Fencing** (02 58)**02 58 13 00-0001 Snow/Sand Fence On Steel Posts** (02 58 13)

02 58 13 00-0002 LF Steel Fence Post, 10' On Center With 4' Wood Snow/Sand Fence.....7.16 1.91

**02 60 Contaminated Site Material Removal** (02)**02 61 Removal and Disposal of Contaminated Soils** (02 60)**02 61 13 Excavation and Handling of Contaminated Material** (02 61)

See CSI section 31 23 16 00-0000 for excavation.

**02 61 13 00-0001 Excavate Petroleum Contaminated Soil** (02 61 13)

02 61 13 00-0002 CY Excavate Petroleum Contaminated Soil.....12.97  
 Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.  
 02 61 13 00-0003 CY Load Excavated Petroleum Contaminated Soil.....7.72  
 02 61 13 00-0004 CY Disposal Fees Of Petroleum Contaminated Soil.....44.44

**02 61 13 00-0005 Accessories For Contaminated Soil Stockpile** (02 61 13)

See CSI section 31 25 14 23-0001 for sand bags.

02 61 13 00-0006 SF 30 Mil Liner For Contaminated Soil Storage.....1.41  
 Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.  
 02 61 13 00-0007 SF 10 Mil Liner For Contaminated Soil Storage.....0.84  
 Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.  
 02 61 13 00-0008 TON Berm Soil For Stockpile.....1.56  
 Note: Calculated to be 0.08 CY of berm soil needed per 1 ton of petroleum contaminated soil. The unit of measure is for the contaminated soil.

**02 61 26 Removal and Disposal of Asbestos Contaminated Soils** (02 61)

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

<b>02 61 26 00-0001</b>	<b>Removal and Disposal of Asbestos Contaminated Soils</b> <small>(02 61 26)</small>	
	Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.	
02 61 26 00-0002	EA Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	913.00 273.90
02 61 26 00-0003	CF >10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	60.52 18.16
02 61 26 00-0004	CF >100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	40.35 12.11
02 61 26 00-0005	CF >250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	30.31 9.09
02 61 26 00-0006	CF >500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	24.21 7.26
02 61 26 00-0007	CF >2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	20.58 6.17
02 61 26 00-0008	CF >10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	18.51 5.55

## 02 65 Underground Storage Tank Removal (02 60)

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0039 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

<b>02 65 00 00-0001</b>	<b>Monitoring, Sampling, Testing And Analysis</b> <small>(02 65)</small>	
<b>02 65 00 00-0002</b>	<b>Field Samples For Testing Underground Storage Tank</b> <small>(02 65 00 00-0001)</small>	
02 65 00 00-0003	EA Collection Of Sludge Sample For Underground Storage Tank .....	22.79
02 65 00 00-0004	EA Collection Of Pumpable Liquids Sample For Underground Storage Tank .....	22.79
02 65 00 00-0005	EA Collection Of Contaminated Soil Sample .....	22.79

## 02 65 00 00-0006 Lab Tests For Underground Storage Tank Removal (02 65 00 00-0001)

Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.

02 65 00 00-0007	EA Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test .....	195.02
	Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	
02 65 00 00-0008	EA Flashpoint, Lab Test .....	75.84
	Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	
02 65 00 00-0009	EA TOX 9020, Lab Test .....	182.44
	Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	
02 65 00 00-0010	EA TPH 8015 Modified, Lab Test.....	195.02
	Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	
02 65 00 00-0011	EA TRPH 418.1, Lab Test.....	151.68
	Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	
02 65 00 00-0012	EA VOC, Lab Test.....	411.71
	Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	
02 65 00 00-0013	EA Semi-Volatile Organic, Lab Test .....	758.42
	Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	
02 65 00 00-0014	EA Oil And Grease 413.1, Lab Test .....	91.22
	Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	
02 65 00 00-0015	EA TCLP (Extraction) - Metals, Lab Test.....	162.52
	Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	
02 65 00 00-0016	EA TCLP (Extraction) - Semi-Volatile Organic, Lab Test.....	216.69
	Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	
02 65 00 00-0017	EA Metals 6010 RCRA, Lab Test .....	242.69
	Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	
02 65 00 00-0018	EA Metals (Arsenic) 7060, Lab Test.....	32.50
	Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	
02 65 00 00-0019	EA Metals (Selenium) 7740, Lab Test .....	32.50
	Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	
02 65 00 00-0020	EA Metals (Lead) 7421, Lab Test.....	32.50
	Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	
02 65 00 00-0021	EA Metals (Mercury) 7470, Lab Test.....	60.67
	Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	

**02 Existing Conditions****02 60 Contaminated Site Material Removal****02 65 Underground Storage Tank Removal**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0022 EA PNA/PAH 8100, Lab Test .....346.70 Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	346.70	
02 65 00 00-0023 EA Fuel Id ASTM D3328-78, Lab Test .....125.43 Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	125.43	
02 65 00 00-0024 EA pH, Lab Test .....26.00	26.00	
02 65 00 00-0025 EA Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater .....325.04	325.04	
02 65 00 00-0026 EA Methyl Tertiary Butyl Ether (MTBE), Lab Test .....195.02	195.02	
<b>02 65 00 00-0027 Tests, Surveys And Maintenance For Underground Storage Tank (02 65 00 00-0001)</b>		
02 65 00 00-0028 EA Site Survey For AST/UST Location By Certified Tank Installer .....1,031.24 Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overflow performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.	1,031.24	
02 65 00 00-0029 EA Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems .....181.42 Note: By Certified Technician. Write report of findings for action if needed	181.42	
02 65 00 00-0030 EA Check And Report On Monitor Probes.....41.85 Note: By Certified Technician	41.85	
02 65 00 00-0031 EA Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report.....292.73 Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.	292.73	
02 65 00 00-0032 EA Removal And Replacement Of Anode On Impressed System.....142.37	142.37	
02 65 00 00-0033 EA Removal And Replacement Of Power Converter On Impressed System On Underground Storage Tank .....204.14	204.14	
02 65 00 00-0034 EA Removal And Replacement Of Monitor Probes On Underground Storage Tank .....300.58	300.58	
02 65 00 00-0035 EA Ultrasonic Test On Underground Storage Tank.....129.57	129.57	
<b>02 65 00 00-0036 Tests And Sampling Labor Hours (02 65 00 00-0001)</b>		
02 65 00 00-0037 HR Certified Tank Installer For Underground Storage Tank .....103.52	103.52	
02 65 00 00-0038 HR Certified Geologist/Environmentalist.....111.40	111.40	
02 65 00 00-0039 HR Hourly Office Work For Reports Required For EPA On Underground Storage Tank.....119.80 Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.	119.80	
<b>02 65 00 00-0040 Remove Tank Contents (02 65)</b>		
<b>02 65 00 00-0041 Transfer Liquid (02 65 00 00-0040)</b> Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042 GAL Transfer Reusable Liquid To Different Tank .....0.73 Note: Per gallon of material transferred.	0.73	
<b>02 65 00 00-0043 Pump Contaminated Liquids And Rinse Material (02 65 00 00-0040)</b>		
02 65 00 00-0044 GAL Removal and Disposal Of Hazardous Liquids From Tank .....1.42	1.42	
02 65 00 00-0045 GAL Removal and Disposal Of Non Hazardous Liquid From Tank.....0.61	0.61	
<b>02 65 00 00-0046 Sludge (02 65 00 00-0040)</b> Note: Includes scraping and solidifying agent.		
02 65 00 00-0047 GAL Removal and Disposal Of Hazardous Solids Or Sludge From Tank .....5.67	5.67	
02 65 00 00-0048 GAL Removal and Disposal Of Non Hazardous Solids Or Sludge From Tank .....1.20	1.20	
<b>02 65 00 00-0049 Purge Vapors, Open And Clean Tank (02 65)</b>		
<b>02 65 00 00-0050 Purge Vapors (02 65 00 00-0049)</b>		
02 65 00 00-0051 LB Purge Tank Using Dry Ice.....4.20 Note: Approximately 1.5 To 3.0 LBS of dry ice per 100 Gals of tank volume.	4.20	
<b>02 65 00 00-0052 High Pressure Water Wash And Rinse Of Tank Interior (02 65 00 00-0049)</b> Note: Includes removal and disposal of rinse water.		
02 65 00 00-0053 EA Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....318.25	318.25	
02 65 00 00-0054 EA >275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....414.57	414.57	
02 65 00 00-0055 EA >550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....533.44	533.44	
02 65 00 00-0056 EA >1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....711.79	711.79	
02 65 00 00-0057 EA >2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....1,362.24	1,362.24	
02 65 00 00-0058 EA >5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....1,638.24	1,638.24	
02 65 00 00-0059 EA >6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....1,861.77	1,861.77	
02 65 00 00-0060 EA >8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....2,245.12	2,245.12	
02 65 00 00-0061 EA >10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....2,861.67	2,861.67	
02 65 00 00-0062 EA >15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....3,441.10	3,441.10	
02 65 00 00-0063 EA >20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....4,342.53	4,342.53	
02 65 00 00-0064 EA >30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....5,373.74	5,373.74	
02 65 00 00-0065 EA >40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....6,620.26	6,620.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>02 65 00 00-0066</b>	<b>Scrape Clean Tank Exterior</b> (02 65 00 00-0049)	
02 65 00 00-0067 EA	Up To 275 Gallon Tank, Scrape Clean Tank Exterior.....	221.31
02 65 00 00-0068 EA	>275 To 550 Gallon Tank, Scrape Clean Tank Exterior .....	294.70
02 65 00 00-0069 EA	>550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior .....	386.16
02 65 00 00-0070 EA	>1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior .....	534.75
02 65 00 00-0071 EA	>2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior .....	1,184.21
02 65 00 00-0072 EA	>5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior .....	1,499.44
02 65 00 00-0073 EA	>6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior .....	1,754.63
02 65 00 00-0074 EA	>8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior .....	2,205.81
02 65 00 00-0075 EA	>10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior .....	2,867.02
02 65 00 00-0076 EA	>15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior .....	3,598.68
02 65 00 00-0077 EA	>20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior .....	4,685.77
02 65 00 00-0078 EA	>30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior .....	5,622.93
02 65 00 00-0079 EA	>40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior .....	7,028.66
<b>02 65 00 00-0080</b>	<b>Tank And Piping Removal</b> (02 65)	
	Note: Excludes excavation.	
<b>02 65 00 00-0081</b>	<b>Removal And Disposal Of Piping</b> (02 65 00 00-0080)	
	Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.	
02 65 00 00-0082 LF	Up To 4", Removal And Disposal Of Piping.....	17.68
02 65 00 00-0083 LF	>4" To 8", Removal And Disposal Of Piping .....	23.58
<b>02 65 00 00-0084</b>	<b>Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement</b> (02 65 00 00-0080)	
	Note: Excludes excavation or backfill.	
02 65 00 00-0085 EA	Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	617.97
02 65 00 00-0086 EA	>275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	750.38
02 65 00 00-0087 EA	>550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	882.80
02 65 00 00-0088 EA	>1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,103.51
02 65 00 00-0089 EA	>2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,544.90
02 65 00 00-0090 EA	>5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,942.15
02 65 00 00-0091 EA	>6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,207.00
02 65 00 00-0092 EA	>8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,648.40
02 65 00 00-0093 EA	>10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	3,531.20
02 65 00 00-0094 EA	>15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	4,233.12
02 65 00 00-0095 EA	>20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	4,960.35
02 65 00 00-0096 EA	>30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	5,803.19
02 65 00 00-0097 EA	>40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	7,253.98
<b>02 65 00 00-0098</b>	<b>Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary</b> (02 65 00 00-0080)	
	Note: Includes 1 lengthwise at every 4' on-center height wise.	
02 65 00 00-0099 EA	>1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	796.53
02 65 00 00-0100 EA	>2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	1,485.43
02 65 00 00-0101 EA	>5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	1,786.81
02 65 00 00-0102 EA	>6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	1,991.33
02 65 00 00-0103 EA	>8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	2,389.59
02 65 00 00-0104 EA	>10,000 To 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	2,970.85
02 65 00 00-0105 EA	>15,000 To 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	3,573.63
02 65 00 00-0106 EA	>20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	4,467.04
02 65 00 00-0107 EA	>30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	5,583.80
02 65 00 00-0108 EA	>40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	6,979.75
<b>02 65 00 00-0109</b>	<b>Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station</b> (02 65 00 00-0080)	
	Note: Includes disposal fee.	
02 65 00 00-0110 EA	Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	240.93
	For Each Additional Mile >15 Miles, Add	4.23
02 65 00 00-0111 EA	>275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	321.28
	For Each Additional Mile >15 Miles, Add	5.35
02 65 00 00-0112 EA	>550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	499.83
	For Each Additional Mile >15 Miles, Add	8.02
02 65 00 00-0113 EA	>1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	732.23
	For Each Additional Mile >15 Miles, Add	9.36
02 65 00 00-0114 EA	>2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,291.84
	For Each Additional Mile >15 Miles, Add	16.49
02 65 00 00-0115 EA	>5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,345.32
	For Each Additional Mile >15 Miles, Add	17.83
02 65 00 00-0116 EA	>6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,434.46
	For Each Additional Mile >15 Miles, Add	20.06
02 65 00 00-0117 EA	>8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	2,047.81
	For Each Additional Mile >15 Miles, Add	26.74
02 65 00 00-0118 EA	>10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	2,856.98
	For Each Additional Mile >15 Miles, Add	40.11

**02 Existing Conditions****02 60 Contaminated Site Material Removal****02 65 Underground Storage Tank Removal**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0119 EA >15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	3,309.62	
For Each Additional Mile >15 Miles, Add	44.57	
02 65 00 00-0120 EA >20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	4,071.74	
For Each Additional Mile >15 Miles, Add	53.48	
02 65 00 00-0121 EA >30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	5,549.35	
For Each Additional Mile >15 Miles, Add	64.18	
02 65 00 00-0122 EA >40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	6,650.15	
For Each Additional Mile >15 Miles, Add	73.80	
<b>02 65 00 00-0123 Other Storage Tank Removals (02 65 00 00-0080)</b>		
02 65 00 00-0124 GAL Removal Of Cement Lining.....	0.53	
02 65 00 00-0125 GAL Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams.....	0.19	
02 65 00 00-0126 GAL Install Epoxy For Interior Corrosion Protection .....	1.10	
<b>02 65 00 00-0127 Tank Closure Report (02 65 00 00-0080)</b>		
Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.		
02 65 00 00-0128 EA Prepare Tank Closure Report .....	3,695.44	
<b>02 65 00 00-0129 Temporary Tanks (02 65)</b>		
<b>02 65 00 00-0130 Temporary Holding Tanks (02 65 00 00-0129)</b>		
<b>02 65 00 00-0131 Above Ground Temporary Holding Tanks, Monthly Rental (02 65 00 00-0130)</b>		
02 65 00 00-0132 MO 550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental .....	901.69	
02 65 00 00-0133 MO 630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental .....	901.69	
02 65 00 00-0134 MO 630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental .....	1,803.38	
02 65 00 00-0135 MO 4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental .....	1,352.53	
02 65 00 00-0136 MO 4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental .....	3,155.91	
02 65 00 00-0137 MO 6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental.....	2,254.22	
02 65 00 00-0138 MO 21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental.....	4,932.15	
02 65 00 00-0139 MO 21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental .....	5,910.75	
02 65 00 00-0140 MO 21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental .....	9,981.72	
<b>02 65 00 00-0141 Secondary Containment Berm (02 65 00 00-0129)</b>		
02 65 00 00-0142 MO Secondary Containment Berm Monthly Rental .....	1,953.66	
<b>02 65 00 00-0143 Bioventing of POL Contaminated Soil (02 65)</b>		
Note: Includes planning and analysis, pilot testing, drilling of well, blower, pipe,, microbes, soil nutrients, sampling and continuous operation for up to a two year period. (CY of total oxygenated soil).		
02 65 00 00-0144 CY Bioventing Aeration Of Up To 1000 CY POL Contaminated Soils .....	110.60	
02 65 00 00-0145 CY Bioventing Aeration Of > 1000 To 5000 CY POL Contaminated Soils.....	75.93	
02 65 00 00-0146 CY Bioventing Aeration Of > 5000 To 10000 CY POL Contaminated Soils.....	53.27	
02 65 00 00-0147 CY Bioventing Aeration Of >10000 To 20000 CY POL Contaminated Soils.....	30.52	
02 65 00 00-0148 CY Bioventing Aeration Of > 20000 CY POL Contaminated Soils.....	21.39	
<b>02 80 Facility Remediation (02)</b>		
<b>02 81 Transportation and Disposal of Hazardous Materials (02 80)</b>		
<b>02 81 00 00-0001 Hazardous Material Disposal (02 81)</b>		
02 81 00 00-0002 EA Non RCRA (Direct Landfill) Drums, No Stabilization.....	239.18	
02 81 00 00-0003 EA RCRA (Direct Landfill) Drums .....	478.06	
Note: Excludes stabilization. See CSI section 02 81 00 00-0004 for stabilization.		
02 81 00 00-0004 EA Stabilization (>5 ppm) .....	637.03	
02 81 00 00-0005 TON Bulk Hazardous Material Landfill Cost.....	403.28	
<b>02 81 00 00-0006 Equipment Oil Drain And Disposal (02 81)</b>		
02 81 00 00-0007 TRIP Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site .....	633.15	
Note: Excludes Disposal Cost.		
02 81 00 00-0008 DRM Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum.....	99.50	
Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0009 DRM Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum.....	452.25	
Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0010 DRM Disposal Of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum .....	814.05	
Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0011 CF Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site .....	108.58	
Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.		
<b>02 82 Asbestos Remediation (02 80)</b>		
See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0013 for decontamination chambers.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**02 82 13 Asbestos Abatement (02 82)**

**02 82 13 00-0001 Air Monitoring And Bulk Sampling, Asbestos Testing (02 82 13)**  
 Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.

02 82 13 00-0002	HR	Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring .....	72.95
02 82 13 00-0003	EA	48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing .....	58.90
02 82 13 00-0004	EA	Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing .....	69.06
02 82 13 00-0005	EA	Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing .....	109.68
02 82 13 00-0006	EA	48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing .....	188.90
02 82 13 00-0007	EA	Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing .....	229.53
02 82 13 00-0008	EA	48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing .....	46.72
02 82 13 00-0009	EA	Next Day Turnaround, (Air) PCM Test, Asbestos Testing .....	56.87
02 82 13 00-0010	EA	Same Day Turnaround, (Air) PCM Test, Asbestos Testing .....	77.19
02 82 13 00-0011	EA	48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test .....	58.90
02 82 13 00-0012	EA	Next Day Turnaround, (Air Point Counting) PLM Test .....	69.06
02 82 13 00-0013	EA	Same Day Turnaround, (Air Point Counting) PLM Test .....	109.68
02 82 13 00-0014	EA	48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing .....	188.90
02 82 13 00-0015	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing .....	217.34
02 82 13 00-0016	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing .....	302.65

**02 82 16 Engineering Control of Asbestos Containing Materials (02 82)**

**02 82 16 00-0001 Asbestos Encapsulation (Lock-Down) (02 82 16)**

02 82 16 00-0002	SF	Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat .....	1.52
02 82 16 00-0003	SF	Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound) .....	2.10
02 82 16 00-0004	SF	Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®) .....	2.29
02 82 16 00-0005	SF	Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®) .....	2.47
02 82 16 00-0006	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®) .....	7.80
02 82 16 00-0007	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®) .....	8.87

**02 82 33 Removal and Disposal of Asbestos Containing Materials (02 82)**

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. This does not apply to glove bag projects.

**02 82 33 00-0001 Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal (02 82 33)**

**02 82 33 00-0002 Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0001)**  
 Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

**02 82 33 00-0003 Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)**  
 See CSI section 02 82 33 00-0017 for projects with less than 10 LF.

02 82 33 00-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	923.27
		<i>For Work In Restricted Working Space, Add</i> .....	273.90
02 82 33 00-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	31.64
		<i>For Work In Restricted Working Space, Add</i> .....	9.34
02 82 33 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	23.86
		<i>For Work In Restricted Working Space, Add</i> .....	7.01
02 82 33 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	18.02
		<i>For Work In Restricted Working Space, Add</i> .....	5.25
02 82 33 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	13.64
		<i>For Work In Restricted Working Space, Add</i> .....	3.94
02 82 33 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	11.93
		<i>For Work In Restricted Working Space, Add</i> .....	3.43

**02 82 33 00-0010 >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)**  
 See CSI section 02 82 33 00-0017 for projects with less than 10 LF.

02 82 33 00-0011	SET	Up To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	933.54
		<i>For Work In Restricted Working Space, Add</i> .....	273.90
02 82 33 00-0012	LF	>20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	36.83
		<i>For Work In Restricted Working Space, Add</i> .....	10.74
02 82 33 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	27.88
		<i>For Work In Restricted Working Space, Add</i> .....	8.06
02 82 33 00-0014	LF	>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	21.16
		<i>For Work In Restricted Working Space, Add</i> .....	6.04
02 82 33 00-0015	LF	>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	16.12
		<i>For Work In Restricted Working Space, Add</i> .....	4.53
02 82 33 00-0016	LF	>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	14.16
		<i>For Work In Restricted Working Space, Add</i> .....	3.94

**02 Existing Conditions****02 80 Facility Remediation****02 82 Asbestos Remediation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 82 33 00-0017	<b>Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal</b> (02 82 33 00-0002) Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.		
02 82 33 00-0018	SET Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal .....	586.68	
	<i>For Work In Restricted Working Space, Add</i> .....	175.08	
02 82 33 00-0019	LF >3 To 20 LF Additional Glove Bag Work for Pipe Insulation .....	98.29	
	<i>For Work In Restricted Working Space, Add</i> .....	29.18	
02 82 33 00-0020	LF >20 To 250 LF Additional Glove Bag Work for Pipe Insulation .....	38.79	
	<i>For Work In Restricted Working Space, Add</i> .....	11.33	
02 82 33 00-0021	LF >250 To 500 LF Additional Glove Bag Work for Pipe Insulation .....	29.34	
	<i>For Work In Restricted Working Space, Add</i> .....	8.49	
02 82 33 00-0022	LF >500 LF Additional Glove Bag Work for Pipe Insulation .....	22.26	
	<i>For Work In Restricted Working Space, Add</i> .....	6.37	
02 82 33 00-0023	<b>Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal</b> (02 82 33 00-0001) Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.		
02 82 33 00-0024	<b>Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal</b> (02 82 33 00-0023) See CSI section 02 82 33 00-0017 for projects with less than 10 LF.		
02 82 33 00-0025	SET Up To 20 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	923.27	
	<i>For Work In Restricted Working Space, Add</i> .....	273.90	
02 82 33 00-0026	LF >20 To 250 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	31.64	
	<i>For Work In Restricted Working Space, Add</i> .....	9.34	
02 82 33 00-0027	LF >250 To 500 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	23.86	
	<i>For Work In Restricted Working Space, Add</i> .....	7.01	
02 82 33 00-0028	LF >500 To 2,500 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	18.02	
	<i>For Work In Restricted Working Space, Add</i> .....	5.25	
02 82 33 00-0029	LF >2,500 To 10,000 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	13.64	
	<i>For Work In Restricted Working Space, Add</i> .....	3.94	
02 82 33 00-0030	LF >10,000 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	11.93	
	<i>For Work In Restricted Working Space, Add</i> .....	3.43	
02 82 33 00-0031	<b>&gt;6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal</b> (02 82 33 00-0023) See CSI section 02 82 33 00-0017 for projects with less than 10 LF.		
02 82 33 00-0032	SET Up To 20 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	933.54	
	<i>For Work In Restricted Working Space, Add</i> .....	273.90	
02 82 33 00-0033	LF >20 To 250 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	36.83	
	<i>For Work In Restricted Working Space, Add</i> .....	10.74	
02 82 33 00-0034	LF >250 To 500 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	27.88	
	<i>For Work In Restricted Working Space, Add</i> .....	8.06	
02 82 33 00-0035	LF >500 To 2,500 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	21.16	
	<i>For Work In Restricted Working Space, Add</i> .....	6.04	
02 82 33 00-0036	LF >2,500 To 10,000 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	16.12	
	<i>For Work In Restricted Working Space, Add</i> .....	4.53	
02 82 33 00-0037	LF >10,000 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	14.16	
	<i>For Work In Restricted Working Space, Add</i> .....	3.94	
02 82 33 00-0038	<b>Thermal Insulation, Asbestos Abatement And Disposal</b> (02 82 33)		
02 82 33 00-0039	<b>Calcium Block Insulation, Asbestos Abatement And Disposal</b> (02 82 33 00-0038)		
02 82 33 00-0040	SET Up To 10 SF, Calcium Block Insulation, Asbestos Abatement And Disposal .....	918.14	
02 82 33 00-0041	SF >10 To 500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal .....	37.71	
02 82 33 00-0042	SF >500 To 2,500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal .....	31.10	
02 82 33 00-0043	SF >2,500 To 10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal .....	24.96	
02 82 33 00-0044	SF >10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal .....	20.37	
02 82 33 00-0045	<b>Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal</b> (02 82 33 00-0038)		
02 82 33 00-0046	SET Up To 10 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal .....	915.57	
02 82 33 00-0047	SF >10 To 500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal .....	33.21	
02 82 33 00-0048	SF >500 To 2,500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal .....	26.60	
02 82 33 00-0049	SF >2,500 To 10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal .....	20.46	
02 82 33 00-0050	SF >10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal .....	15.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>02 82 33 00-0051</b> <b>Fibrous Glass Board Insulation, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0038)</small>		
02 82 33 00-0052    SET    Up To 10 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	914.71	
02 82 33 00-0053    SF    >10 To 500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	29.47	
02 82 33 00-0054    SF    >500 To 2,500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	22.85	
02 82 33 00-0055    SF    >2,500 To 10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	16.72	
02 82 33 00-0056    SF    >10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	12.12	
<b>02 82 33 00-0057</b> <b>Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0038)</small>		
Note: e.g., duct, boiler, tank, etc.		
02 82 33 00-0058    SET    Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	919.42	
02 82 33 00-0059    SF    >25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	31.39	
02 82 33 00-0060    SF    >500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	24.77	
02 82 33 00-0061    SF    >2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	18.64	
02 82 33 00-0062    SF    >10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	14.04	
<b>02 82 33 00-0063</b> <b>Surfacing Material, Asbestos Abatement And Disposal</b> <small>(02 82 33)</small>		
<b>02 82 33 00-0064</b> <b>Fireproofing For Small Areas, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0063)</small>		
Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0066 for areas > 1 SF see CSI section.		
02 82 33 00-0065    EA    Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal.....	152.43	
Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.		
<b>02 82 33 00-0066</b> <b>Fireproofing, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0063)</small>		
Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0067    SET    Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal.....	919.42	
02 82 33 00-0068    SF    >25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal.....	37.60	
02 82 33 00-0069    SF    >500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal.....	28.26	
02 82 33 00-0070    SF    >2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	21.26	
02 82 33 00-0071    SF    >10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	16.00	
<b>02 82 33 00-0072</b> <b>Acoustical Plaster, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0063)</small>		
Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0073    SET    Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	917.28	
02 82 33 00-0074    SF    >25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	15.77	
02 82 33 00-0075    SF    >500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	11.96	
02 82 33 00-0076    SF    >2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	8.92	
02 82 33 00-0077    SF    >10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	6.64	
<b>02 82 33 00-0078</b> <b>Gypsum Wall Board, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0063)</small>		
02 82 33 00-0079    SET    Up To 50 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	921.56	
For Additional Layer, Add		251.08
02 82 33 00-0080    SF    >50 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	12.15	
For Additional Layer, Add		3.29
02 82 33 00-0081    SF    >500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	8.92	
For Additional Layer, Add		2.41
02 82 33 00-0082    SF    >2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	7.01	
For Additional Layer, Add		1.88
02 82 33 00-0083    SF    >10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	5.50	
For Additional Layer, Add		1.47
02 82 33 00-0084    SF    >50,000 To 100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	4.35	
For Additional Layer, Add		1.15
02 82 33 00-0085    SF    >100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	3.52	
For Additional Layer, Add		0.92
<b>02 82 33 00-0086</b> <b>Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0063)</small>		
02 82 33 00-0087    SET    Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	917.28	
02 82 33 00-0088    SF    >25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	22.92	
02 82 33 00-0089    SF    >500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	16.83	
02 82 33 00-0090    SF    >2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	13.18	
02 82 33 00-0091    SF    >10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	10.29	
02 82 33 00-0092    SF    >50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	7.39	
<b>02 82 33 00-0093</b> <b>Stucco, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0063)</small>		
02 82 33 00-0094    SET    Up To 50 SF, Stucco, Asbestos Abatement And Disposal.....	921.56	

**02 Existing Conditions****02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0095 SF >50 To 500 SF, Stucco, Asbestos Abatement And Disposal .....	20.02	
02 82 33 00-0096 SF >500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal .....	15.03	
02 82 33 00-0097 SF >2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal .....	11.34	
02 82 33 00-0098 SF >10,000 SF, Stucco, Asbestos Abatement And Disposal .....	8.54	
<b>02 82 33 00-0099 Spray On Acoustical Ceiling, Asbestos Abatement And Disposal (02 82 33 00-0063)</b>		
02 82 33 00-0100 SET Up To 50 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal .....	921.56	
02 82 33 00-0101 SF >50 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal .....	10.31	
02 82 33 00-0102 SF >500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal .....	7.95	
02 82 33 00-0103 SF >2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal .....	5.88	
02 82 33 00-0104 SF >10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal .....	4.44	
<b>02 82 33 00-0105 Plywood, Asbestos Abatement And Disposal (02 82 33 00-0063)</b>		
02 82 33 00-0106 SET Up To 40 SF, Plywood, Asbestos Abatement And Disposal .....	919.85	
02 82 33 00-0107 SF >50 To 500 SF, Plywood, Asbestos Abatement And Disposal .....	13.10	
02 82 33 00-0108 SF >500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal .....	6.39	
02 82 33 00-0109 SF >2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal .....	4.38	
02 82 33 00-0110 SF >10,000 SF, Plywood, Asbestos Abatement And Disposal .....	3.74	
<b>02 82 33 00-0111 Flooring Material, Asbestos Abatement And Disposal (02 82 33)</b>		
<b>02 82 33 00-0112 Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal (02 82 33 00-0111)</b>		
<b>02 82 33 00-0113 Floor Tile, Asbestos Abatement And Disposal (02 82 33 00-0112)</b>		
Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0114 SET Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal .....	914.71	
For Each Additional Layer, Add	137.21	
02 82 33 00-0115 SF >100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal .....	6.39	
For Each Additional Layer, Add	0.96	
02 82 33 00-0116 SF >500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal .....	5.23	
For Each Additional Layer, Add	0.78	
02 82 33 00-0117 SF >2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal .....	4.17	
For Each Additional Layer, Add	0.63	
02 82 33 00-0118 SF >10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal .....	2.87	
For Each Additional Layer, Add	0.43	
<b>02 82 33 00-0119 Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal (02 82 33 00-0112)</b>		
Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0120 SET Up To 100 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal .....	914.71	
For Each Additional Layer, Add	137.21	
02 82 33 00-0121 SF >100 To 500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal .....	6.39	
For Each Additional Layer, Add	0.96	
02 82 33 00-0122 SF >500 To 2,500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal .....	5.25	
For Each Additional Layer, Add	0.79	
02 82 33 00-0123 SF >2,500 To 10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal .....	4.76	
For Each Additional Layer, Add	0.71	
02 82 33 00-0124 SF >10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal .....	3.84	
For Each Additional Layer, Add	0.58	
<b>02 82 33 00-0125 Carpet, Asbestos Abatement And Disposal (02 82 33 00-0112)</b>		
02 82 33 00-0126 SET Up To 100 SF, Non-Friable Carpet, Asbestos Abatement And Disposal .....	914.71	
02 82 33 00-0127 SF >100 To 500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal .....	4.96	
02 82 33 00-0128 SF >500 To 2,500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal .....	4.01	
02 82 33 00-0129 SF >2,500 To 10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal .....	2.92	
02 82 33 00-0130 SF >10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal .....	2.21	
<b>02 82 33 00-0131 Wall Or Cove Base, Asbestos Abatement And Disposal (02 82 33 00-0112)</b>		
Note: Up to 12".		
02 82 33 00-0132 SET Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal .....	306.47	
02 82 33 00-0133 LF >25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal .....	4.14	
02 82 33 00-0134 LF >100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal .....	2.52	
02 82 33 00-0135 LF >500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal .....	1.62	
02 82 33 00-0136 LF >2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal .....	1.16	
<b>02 82 33 00-0137 Carpet Containment (Burrito Wrap) And Disposal (02 82 33 00-0112)</b>		
02 82 33 00-0138 SET Up To 10 SF, Carpet, Non Friable Asbestos Burrito Wrap and Disposal .....	306.04	
02 82 33 00-0139 SF >10 To 500 SF, Carpet, Non Friable Asbestos Burrito Wrap and Disposal .....	1.75	
02 82 33 00-0140 SF >500 To 2,500 SF, Carpet, Non Friable Asbestos Burrito Wrap and Disposal .....	1.15	
02 82 33 00-0141 SF >2,500 To 10,000 SF, Carpet, Non Friable Asbestos Burrito Wrap and Disposal .....	0.74	
02 82 33 00-0142 SF >10,000 SF, Carpet, Non Friable Asbestos Burrito Wrap and Disposal .....	0.57	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>02 82 33 00-0143</b> <b>Mastic, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0111)</small>		
<small>Note: Applies to single layer or bottom layer only of multiple layers. Non hydrocarbon with pine, citrus or no odor.</small>		
02 82 33 00-0144     SET     Up To 100 SF, Mastic, Asbestos Abatement And Disposal .....	917.28	
<small>Note: Applies to bottom layer only if multiple layers.</small>		
02 82 33 00-0145     SF     >100 To 500 SF, Mastic, Asbestos Abatement And Disposal.....	2.32	
<small>Note: Applies to bottom layer only if multiple layers.</small>		
02 82 33 00-0146     SF     >500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal.....	1.71	
<small>Note: Applies to bottom layer only if multiple layers.</small>		
02 82 33 00-0147     SF     >2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal.....	1.33	
<small>Note: Applies to bottom layer only if multiple layers.</small>		
02 82 33 00-0148     SF     >10,000 SF, Mastic, Asbestos Abatement And Disposal.....	1.06	
<small>Note: Applies to bottom layer only if multiple layers.</small>		
<b>02 82 33 00-0149</b> <b>Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0111)</small>		
<small>Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.</small>		
02 82 33 00-0150     SET     Up To 100 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	930.12	
02 82 33 00-0151     SF     >100 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	7.36	
02 82 33 00-0152     SF     >500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	5.42	
02 82 33 00-0153     SF     >2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal .....	4.28	
02 82 33 00-0154     SF     >10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	3.36	
<b>02 82 33 00-0155</b> <b>Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0111)</small>		
02 82 33 00-0156     SET     Up To 100 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal .....	921.56	
02 82 33 00-0157     SF     >100 To 500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	8.23	
02 82 33 00-0158     SF     >500 To 2,500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	5.42	
<small>Note: Includes detachment of mounted objects before removal.</small>		
02 82 33 00-0159     SF     >2,500 To 10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	4.27	
02 82 33 00-0160     SF     >10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	3.51	
<b>02 82 33 00-0161</b> <b>Roofing, Asbestos Abatement And Disposal</b> <small>(02 82 33)</small>		
<b>02 82 33 00-0162</b> <b>Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0161)</small>		
<small>Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.</small>		
<b>02 82 33 00-0163</b> <b>Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0162)</small>		
02 82 33 00-0164     SET     Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	934.40	
02 82 33 00-0165     SF     >125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	6.01	
02 82 33 00-0166     SF     >1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.84	
02 82 33 00-0167     SF     >5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.91	
02 82 33 00-0168     SF     >10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.97	
02 82 33 00-0169     SF     >20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.27	
<b>02 82 33 00-0170</b> <b>&gt;2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0162)</small>		
02 82 33 00-0171     SET     Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	950.67	
02 82 33 00-0172     SF     >110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	6.99	
02 82 33 00-0173     SF     >1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.64	
02 82 33 00-0174     SF     >5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.61	
02 82 33 00-0175     SF     >10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.53	
02 82 33 00-0176     SF     >20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	2.73	
<b>02 82 33 00-0177</b> <b>&gt;5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0162)</small>		
02 82 33 00-0178     SET     Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	969.50	
02 82 33 00-0179     SF     >110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	7.89	
02 82 33 00-0180     SF     >1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	6.39	
02 82 33 00-0181     SF     >5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.25	
02 82 33 00-0182     SF     >10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.06	

**02 Existing Conditions****02 80 Facility Remediation****02 82 Asbestos Remediation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 82 33 00-0183	SF	>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.17
<b>02 82 33 00-0184</b>		<b>Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0161)</b>	
<b>02 82 33 00-0185</b>		<b>Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0184)</b>	
02 82 33 00-0186	SET	Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal ..... Note: Single or first of multiple layers.	918.35
02 82 33 00-0187	SF	>125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	5.88
		<i>For Each Additional Layer, Add</i>	<i>1.18</i>
02 82 33 00-0188	SF	>1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	4.71
		<i>For Each Additional Layer, Add</i>	<i>0.94</i>
02 82 33 00-0189	SF	>5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	3.78
		<i>For Each Additional Layer, Add</i>	<i>0.76</i>
02 82 33 00-0190	SF	>10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	2.84
		<i>For Each Additional Layer, Add</i>	<i>0.57</i>
02 82 33 00-0191	SF	>20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	2.14
		<i>For Each Additional Layer, Add</i>	<i>0.43</i>
<b>02 82 33 00-0192</b>		<b>Roof Penetration Mastic, Asbestos Abatement And Disposal (02 82 33 00-0161)</b>	
02 82 33 00-0193	SET	Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal .....	304.76
02 82 33 00-0194	SF	>10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal .....	2.32
02 82 33 00-0195	SF	>50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	1.91
02 82 33 00-0196	SF	>100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	1.54
02 82 33 00-0197	SF	>250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	1.14
<b>02 82 33 00-0198</b>		<b>Roof Curb Mastic, Asbestos Abatement And Disposal (02 82 33 00-0161)</b>	
02 82 33 00-0199	SET	Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal .....	304.76
02 82 33 00-0200	LF	>10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	6.88
02 82 33 00-0201	LF	>20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	5.52
02 82 33 00-0202	LF	>50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	4.61
02 82 33 00-0203	LF	>150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	3.33
<b>02 82 33 00-0204</b>		<b>Asbestos-Cement Products, Asbestos Abatement And Disposal (02 82 33)</b>	
<b>02 82 33 00-0205</b>		<b>Interior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0204)</b>	
		Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0206	SET	Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	921.56
02 82 33 00-0207	SF	>100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	6.31
02 82 33 00-0208	SF	>500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	3.21
02 82 33 00-0209	SF	>2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	2.57
02 82 33 00-0210	SF	>10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	2.25
<b>02 82 33 00-0211</b>		<b>Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0204)</b>	
02 82 33 00-0212	SET	Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	921.56
02 82 33 00-0213	SF	>100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	5.49
02 82 33 00-0214	SF	>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.86
02 82 33 00-0215	SF	>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.30
02 82 33 00-0216	SF	>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.02
<b>02 82 33 00-0217</b>		<b>Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal (02 82 33 00-0204)</b>	
02 82 33 00-0218	SET	Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	771.10
02 82 33 00-0219	LF	>10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	32.16
02 82 33 00-0220	LF	>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	24.38
02 82 33 00-0221	LF	>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	18.54
02 82 33 00-0222	LF	>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	14.16
02 82 33 00-0223	LF	>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	10.88
02 82 33 00-0224	LF	>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	10.65
<b>02 82 33 00-0225</b>		<b>Exterior Transite Siding, Asbestos Abatement And Disposal (02 82 33 00-0204)</b>	
02 82 33 00-0226	SET	Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal .....	927.51
		Note: Single or first of multiple layers.	
02 82 33 00-0227	SF	>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	4.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0228 SF >1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	3.98	
Note: Single or first of multiple layers.		
02 82 33 00-0229 SF >5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	3.21	
Note: Single or first of multiple layers.		
02 82 33 00-0230 SF >10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	2.42	
Note: Single or first of multiple layers.		
02 82 33 00-0231 SF >20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	1.84	
Note: Single or first of multiple layers.		
<b>02 82 33 00-0232 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33)</b>		
<b>02 82 33 00-0233 Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal (02 82 33 00-0232)</b>		
Note: For non-attic/crawl space surface cleaning including walls, floors, equipment, and furniture.		
02 82 33 00-0234 SET Up To 10 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal.....	457.36	
02 82 33 00-0235 SF >10 To 100 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal.....	0.84	
02 82 33 00-0236 SF >100 To 500 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal.....	0.55	
02 82 33 00-0237 SF >500 To 1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal.....	0.45	
02 82 33 00-0238 SF >1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal.....	0.38	
<b>02 82 33 00-0239 Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal (02 82 33 00-0232)</b>		
02 82 33 00-0240 SET Up To 10 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	612.08	
02 82 33 00-0241 SF >10 To 100 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	15.56	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0242 SF >100 To 250 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	10.61	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0243 SF >250 To 500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	7.95	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0244 SF >500 To 2,500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	6.43	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0245 SF >2,500 To 10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	5.67	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0246 SF >10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	4.91	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0247 SET Up To 10 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	766.82	
02 82 33 00-0248 SF >10 To 100 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	30.85	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0249 SF >100 To 250 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	20.78	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0250 SF >250 To 500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	15.76	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0251 SF >500 To 2,500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	12.70	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	

**02 Existing Conditions****02 80 Facility Remediation****02 82 Asbestos Remediation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 82 33 00-0252	SF	>2,500 To 10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	10.89
		<i>For Batt Insulation Removal, Add</i>	2.00
		<i>For Encapsulated Soil, Add</i>	1.00
		<i>For Work In Restricted Working Space, Add</i>	1.00
02 82 33 00-0253	SF	>10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	9.86
		<i>For Batt Insulation Removal, Add</i>	2.00
		<i>For Encapsulated Soil, Add</i>	1.00
		<i>For Work In Restricted Working Space, Add</i>	1.00
02 82 33 00-0254	SET	Up To 10 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	923.27
02 82 33 00-0255	SF	>10 To 100 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	61.55
		<i>For Batt Insulation Removal, Add</i>	2.00
		<i>For Encapsulated Soil, Add</i>	1.00
		<i>For Work In Restricted Working Space, Add</i>	1.00
02 82 33 00-0256	SF	>100 To 250 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	41.38
		<i>For Batt Insulation Removal, Add</i>	2.00
		<i>For Encapsulated Soil, Add</i>	1.00
		<i>For Work In Restricted Working Space, Add</i>	1.00
02 82 33 00-0257	SF	>250 To 500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	31.34
		<i>For Batt Insulation Removal, Add</i>	2.00
		<i>For Encapsulated Soil, Add</i>	1.00
		<i>For Work In Restricted Working Space, Add</i>	1.00
02 82 33 00-0258	SF	>500 To 2,500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	25.24
		<i>For Batt Insulation Removal, Add</i>	2.00
		<i>For Encapsulated Soil, Add</i>	1.00
		<i>For Work In Restricted Working Space, Add</i>	1.00
02 82 33 00-0259	SF	>2,500 To 10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	21.61
		<i>For Batt Insulation Removal, Add</i>	2.00
		<i>For Encapsulated Soil, Add</i>	1.00
		<i>For Work In Restricted Working Space, Add</i>	1.00
02 82 33 00-0260	SF	>10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	19.54
		<i>For Batt Insulation Removal, Add</i>	2.00
		<i>For Encapsulated Soil, Add</i>	1.00
		<i>For Work In Restricted Working Space, Add</i>	1.00
<b>02 82 33 00-0261</b>		<b>Asbestos Contaminated Debris, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0261)</small>	
02 82 33 00-0262	SET	Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	618.93
		<i>For Work In Restricted Working Space, Add</i>	182.60
02 82 33 00-0263	CF	>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	61.55
		<i>For Work In Restricted Working Space, Add</i>	18.16
02 82 33 00-0264	CF	>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	41.38
		<i>For Work In Restricted Working Space, Add</i>	12.11
02 82 33 00-0265	CF	>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	31.34
		<i>For Work In Restricted Working Space, Add</i>	9.09
02 82 33 00-0266	CF	>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	25.24
		<i>For Work In Restricted Working Space, Add</i>	7.26
02 82 33 00-0267	CF	>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	21.61
		<i>For Work In Restricted Working Space, Add</i>	6.17
02 82 33 00-0268	CF	>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	19.54
		<i>For Work In Restricted Working Space, Add</i>	5.55
<b>02 82 33 00-0269</b>		<b>Other Asbestos Containing Materials, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0269)</small>	
<b>02 82 33 00-0270</b>		<b>30" To 36" Fire Door, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0269)</small>	
02 82 33 00-0271	SET	Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	308.95
02 82 33 00-0272	EA	>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	114.18
02 82 33 00-0273	EA	>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	103.22
<b>02 82 33 00-0274</b>		<b>HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0269)</small>	
02 82 33 00-0275	SET	Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	304.54
02 82 33 00-0276	LF	>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	6.24
02 82 33 00-0277	LF	>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	4.68
02 82 33 00-0278	LF	>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	4.04
02 82 33 00-0279	LF	>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	3.47
02 82 33 00-0280	LF	>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	2.97
02 82 33 00-0281	LF	>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	2.57
<b>02 82 33 00-0282</b>		<b>Grout, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0269)</small>	
		Note: e.g. flue grout.	
02 82 33 00-0283	SET	Up To 10 LF, Grout, Asbestos Abatement And Disposal.....	304.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0284 LF >10 To 50 LF, Grout, Asbestos Abatement And Disposal .....	11.99	
02 82 33 00-0285 LF >50 To 100 LF, Grout, Asbestos Abatement And Disposal .....	8.26	
02 82 33 00-0286 LF >100 To 250 LF, Grout, Asbestos Abatement And Disposal .....	7.07	
02 82 33 00-0287 LF >250 To 1,000 LF, Grout, Asbestos Abatement And Disposal .....	6.08	
02 82 33 00-0288 LF >1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal .....	5.24	
02 82 33 00-0289 LF >2,500 LF, Grout, Asbestos Abatement And Disposal.....	4.49	
<b>02 82 33 00-0290 Gaskets, Asbestos Abatement And Disposal (02 82 33 00-0269)</b>		
Note: e.g. rope, web cloth, flat.		
02 82 33 00-0291 SET Up To 10 LF, Gaskets, Asbestos Abatement And Disposal.....	304.54	
02 82 33 00-0292 LF >10 To 50 LF, Gaskets, Asbestos Abatement And Disposal .....	16.16	
02 82 33 00-0293 LF >50 To 250 LF, Gaskets, Asbestos Abatement And Disposal .....	12.12	
02 82 33 00-0294 LF >250 To 500 LF, Gaskets, Asbestos Abatement And Disposal .....	10.33	
02 82 33 00-0295 LF >500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal .....	9.30	
02 82 33 00-0296 LF >1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal .....	8.36	
02 82 33 00-0297 LF >2,500 LF, Gaskets, Asbestos Abatement And Disposal .....	7.95	
<b>02 82 33 00-0298 Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal (02 82 33 00-0269)</b>		
Note: e.g. grid, spline, or glued on.		
02 82 33 00-0299 SET Up To 50 SF, Ceiling Tile, Asbestos Abatement And Disposal.....	612.94	
Note: Including Glue Removal		
02 82 33 00-0300 SF >50 To 1,000 SF, Ceiling Tile, Asbestos Abatement And Disposal .....	13.02	
Note: Including Glue Removal		
02 82 33 00-0301 SF >1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal .....	6.31	
Note: Including Glue Removal		
02 82 33 00-0302 SF >2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal .....	4.30	
Note: Including Glue Removal		
02 82 33 00-0303 SF >10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal .....	3.66	
Note: Including Glue Removal		
<b>02 82 33 00-0304 Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal (02 82 33 00-0269)</b>		
Note: Includes ceiling tile, asbestos barrier paper, and furring strips.		
02 82 33 00-0305 SET Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	610.97	
02 82 33 00-0306 SF >50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	13.02	
02 82 33 00-0307 SF >1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal .....	6.31	
02 82 33 00-0308 SF >2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal .....	4.30	
02 82 33 00-0309 SF >10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	3.66	
<b>02 82 33 00-0310 Caulking, Asbestos Abatement And Disposal (02 82 33 00-0269)</b>		
<b>02 82 33 00-0311 Non Friable Caulking, Asbestos Abatement And Disposal (02 82 33 00-0310)</b>		
02 82 33 00-0312 SET Up To 10 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	304.47	
02 82 33 00-0313 LF >10 To 50 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	8.99	
02 82 33 00-0314 LF >50 To 100 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	6.34	
02 82 33 00-0315 LF >100 To 250 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	4.72	
02 82 33 00-0316 LF >250 To 1,000 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	3.55	
02 82 33 00-0317 LF >1,000 To 2,500 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	2.81	
02 82 33 00-0318 LF >2,500 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	2.44	
<b>02 82 33 00-0319 Wood Wall Joint Compound, Asbestos Abatement And Disposal (02 82 33 00-0269)</b>		
02 82 33 00-0320 SET Up To 10 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal .....	609.09	
02 82 33 00-0321 SF >10 To 500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal .....	12.02	
02 82 33 00-0322 SF >500 To 2,500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal.....	8.79	
02 82 33 00-0323 SF >2,500 To 10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal.....	6.88	
02 82 33 00-0324 SF >10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal.....	5.37	
<b>02 82 33 00-0325 Chalk Board Mastic, Asbestos Abatement And Disposal (02 82 33 00-0269)</b>		
02 82 33 00-0326 SET Up To 100 SF, Chalk Board Mastic, Asbestos Abatement And Disposal .....	308.61	
02 82 33 00-0327 SF >100 To 1,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal .....	12.97	
02 82 33 00-0328 SF >1,000 To 2,500 SF, Chalk Board Mastic, Asbestos Abatement And Disposal .....	6.26	
02 82 33 00-0329 SF >2,500 To 10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal .....	4.25	
02 82 33 00-0330 SF >10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal .....	3.61	
<b>02 82 33 00-0331 Tack Board Mastic, Asbestos Abatement And Disposal (02 82 33 00-0269)</b>		
02 82 33 00-0332 SET Up To 100 SF, Tack Board Mastic, Asbestos Abatement And Disposal.....	308.61	
02 82 33 00-0333 SF >100 To 1,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal .....	12.97	
02 82 33 00-0334 SF >1,000 To 2,500 SF, Tack Board Mastic, Asbestos Abatement And Disposal .....	6.26	

**02 Existing Conditions****02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0335	SF		>2,500 To 10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal.....	4.25	
02 82 33 00-0336	SF		>10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal.....	3.61	
<b>02 82 33 00-0337</b>			<b>Dash Coat Over Wood Walls, Asbestos Abatement And Disposal (02 82 33 00-0269)</b>		
02 82 33 00-0338	SET		Up To 10 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal.....	609.09	
02 82 33 00-0339	SF		>10 To 500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal.....	13.35	
02 82 33 00-0340	SF		>500 To 2,500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal.....	9.97	
02 82 33 00-0341	SF		>2,500 To 10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal.....	7.48	
02 82 33 00-0342	SF		>10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal.....	5.63	
<b>02 82 33 00-0343</b>			<b>HEPA Vacuum, Asbestos Abatement And Disposal (02 82 33 00-0269)</b>		
			Note: For adjacent areas.		
02 82 33 00-0344	SF		High Efficiency Particulate Air (HEPA) Vacuum And Cleaning Of Contaminated Area.....	0.65	
<b>02 82 33 00-0345</b>			<b>Window Putty, Asbestos Abatement And Disposal (02 82 33 00-0269)</b>		
02 82 33 00-0346	SET		Up To 10 LF, Window Putty, Asbestos Abatement And Disposal.....	304.47	
02 82 33 00-0347	LF		>10 To 50 LF, Window Putty, Asbestos Abatement And Disposal.....	11.99	
02 82 33 00-0348	LF		>40 To 100 LF, Window Putty, Asbestos Abatement And Disposal.....	8.26	
02 82 33 00-0349	LF		>100 To 250 LF, Window Putty, Asbestos Abatement And Disposal.....	7.07	
02 82 33 00-0350	LF		>250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal.....	6.08	
02 82 33 00-0351	LF		>1,000 LF, Window Putty, Asbestos Abatement And Disposal.....	5.24	
<b>02 82 33 00-0352</b>			<b>Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal (02 82 33 00-0269)</b>		
02 82 33 00-0353	SET		Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	628.38	
02 82 33 00-0354	EA		>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	59.40	
02 82 33 00-0355	EA		>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	41.24	
02 82 33 00-0356	EA		>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	32.20	
02 82 33 00-0357	EA		>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	26.72	
02 82 33 00-0358	EA		>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	23.45	
02 82 33 00-0359	EA		>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	21.59	
<b>02 83</b>			<b>Lead Remediation (02 80)</b>		
			See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0013 for decontamination chambers.		
<b>02 83 19</b>			<b>Lead-Based Paint Remediation (02 83)</b>		
<b>02 83 19 13</b>			<b>Lead-Based Paint Abatement (02 83 19)</b>		
			Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting.		
<b>02 83 19 13-0001</b>			<b>Lead Sampling And Testing (02 83 19 13)</b>		
			Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.		
02 83 19 13-0002	HR		Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring.....	81.51	
02 83 19 13-0003	EA		X-Ray Fluorescence (XRF) Lead Testing.....	70.02	
			Note: Including Technician, 3 Readings Per Surface And Lab Fee		
02 83 19 13-0004	EA		5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee.....	67.03	
02 83 19 13-0005	EA		48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee.....	101.56	
02 83 19 13-0006	EA		24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee.....	142.18	
02 83 19 13-0007	EA		5 Day Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee.....	26.41	
02 83 19 13-0008	EA		24 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee.....	40.62	
02 83 19 13-0009	EA		8 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee.....	50.78	
02 83 19 13-0010	EA		5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee.....	67.03	
02 83 19 13-0011	EA		3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee.....	101.56	
02 83 19 13-0012	EA		5 Day Turnaround Lead Wipe Samples And Lab Fee.....	11.17	
02 83 19 13-0013	EA		24 Hour Turnaround Lead Wipe Samples And Lab Fee.....	15.23	
02 83 19 13-0014	EA		8 Hour Turnaround Lead Wipe Samples And Lab Fee.....	22.34	
02 83 19 13-0015	EA		5 Day Turnaround Lead Air Samples And Lab Fee.....	11.17	
02 83 19 13-0016	EA		24 Hour Turnaround Lead Air Samples And Lab Fee.....	15.23	
02 83 19 13-0017	EA		8 Hour Turnaround Lead Air Samples And Lab Fee.....	22.34	
02 83 19 13-0018	EA		5 Day Turnaround Lead Water Test and Lab Fee.....	40.62	
02 83 19 13-0019	EA		24 Hour Turnaround Lead Water Test and Lab Fee.....	60.94	
02 83 19 13-0020	EA		8 Hour Turnaround Lead Water Test and Lab Fee.....	81.25	
02 83 19 13-0021	EA		5 Day Turnaround Lead Paint Chip Test and Lab Fee.....	42.01	
02 83 19 13-0022	EA		5 Day Turnaround Lead Soil Test and Lab Fee.....	84.02	
<b>02 83 19 13-0023</b>			<b>Minimum Charge For Lead-Based Paint Remediation (02 83 19 13)</b>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0024	EA			Lead-Based Paint Remediation Minimum Show Up Charge ..... 1,139.98 Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.		
02 83 19 13-0025				<b>Chemical Stripping Of Lead Contaminated Material</b> <small>(02 83 19 13)</small> Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
02 83 19 13-0026	SF			Balustrades, Chemical Stripping Of Lead Contaminated Material ..... 31.28 <i>For 0.025" (25 mil) Application, Add</i> 1.78 <i>For 0.03" (30 mil) Application, Add</i> 2.81		
02 83 19 13-0027	SF			Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material ..... 46.37 <i>For 0.025" (25 mil) Application, Add</i> 2.54 <i>For 0.03" (30 mil) Application, Add</i> 3.94		
02 83 19 13-0028	LF			Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material ..... 13.45 <i>For 0.025" (25 mil) Application, Add</i> 0.80 <i>For 0.03" (30 mil) Application, Add</i> 1.29 <i>For 0.125" (125 mil) Application, Add</i> 7.32		
02 83 19 13-0029	LF			>6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material..... 27.43 <i>For 0.025" (25 mil) Application, Add</i> 1.50 <i>For 0.03" (30 mil) Application, Add</i> 2.34 <i>For 0.125" (125 mil) Application, Add</i> 10.82		
02 83 19 13-0030	SF			Cornice, Chemical Stripping Of Lead Contaminated Material ..... 14.63 <i>For 0.025" (25 mil) Application, Add</i> 0.95 <i>For 0.03" (30 mil) Application, Add</i> 1.56		
02 83 19 13-0031	SF			Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material ..... 41.35 <i>For 0.025" (25 mil) Application, Add</i> 2.29 <i>For 0.03" (30 mil) Application, Add</i> 3.56		
02 83 19 13-0032	SF			Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material ..... 9.04 <i>For 0.025" (25 mil) Application, Add</i> 0.63 <i>For 0.03" (30 mil) Application, Add</i> 1.05 <i>For 0.125" (125 mil) Application, Add</i> 7.54		
02 83 19 13-0033	SF			Cabinets, Chemical Stripping Of Lead Contaminated Material ..... 26.16 <i>For 0.025" (25 mil) Application, Add</i> 1.48 <i>For 0.03" (30 mil) Application, Add</i> 2.34		
02 83 19 13-0034	SF			Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material ..... 33.32 <i>For 0.025" (25 mil) Application, Add</i> 1.84 <i>For 0.03" (30 mil) Application, Add</i> 2.87		
02 83 19 13-0035	SF			Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material ..... 12.44 <i>For 0.025" (25 mil) Application, Add</i> 0.80 <i>For 0.03" (30 mil) Application, Add</i> 1.31		
02 83 19 13-0036	SF			Columns, Chemical Stripping Of Lead Contaminated Material ..... 11.96 <i>For 0.025" (25 mil) Application, Add</i> 0.82 <i>For 0.03" (30 mil) Application, Add</i> 1.36 <i>For 0.125" (125 mil) Application, Add</i> 9.53		
02 83 19 13-0037	SF			Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material ..... 10.54 <i>For 0.025" (25 mil) Application, Add</i> 0.70 <i>For 0.03" (30 mil) Application, Add</i> 1.16		
02 83 19 13-0038	SF			Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material ..... 12.95 <i>For 0.025" (25 mil) Application, Add</i> 0.82 <i>For 0.03" (30 mil) Application, Add</i> 1.35		
02 83 19 13-0039	SF			Sectional Panel Or Roll-Up Doors, Chemical Stripping Of Lead Contaminated..... 19.05 <i>For 0.025" (25 mil) Application, Add</i> 1.17 <i>For 0.03" (30 mil) Application, Add</i> 1.89		
02 83 19 13-0040	EA			Electrical Devices, Chemical Stripping Of Lead Contaminated Material ..... 54.43 <i>For 0.025" (25 mil) Application, Add</i> 3.07 <i>For 0.03" (30 mil) Application, Add</i> 4.83		
02 83 19 13-0041	LF			Door Frames, Chemical Stripping Of Lead Contaminated Material ..... 13.52 <i>For 0.025" (25 mil) Application, Add</i> 0.85 <i>For 0.03" (30 mil) Application, Add</i> 1.39		
02 83 19 13-0042	SF			Wood Floors, Chemical Stripping Of Lead Contaminated Material ..... 7.45 <i>For 0.025" (25 mil) Application, Add</i> 0.55 <i>For 0.03" (30 mil) Application, Add</i> 0.93		
02 83 19 13-0043	SF			HVAC Grilles, Chemical Stripping Of Lead Contaminated Material ..... 27.95 <i>For 0.025" (25 mil) Application, Add</i> 1.57 <i>For 0.03" (30 mil) Application, Add</i> 2.47		
02 83 19 13-0044	SF			HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material ..... 33.32 <i>For 0.025" (25 mil) Application, Add</i> 1.84 <i>For 0.03" (30 mil) Application, Add</i> 2.87		
02 83 19 13-0045	EA			Hinges, Chemical Stripping Of Lead Contaminated Material ..... 17.54 <i>For 0.025" (25 mil) Application, Add</i> 1.14 <i>For 0.03" (30 mil) Application, Add</i> 1.87		
02 83 19 13-0046	EA			Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material ..... 21.59 <i>For 0.025" (25 mil) Application, Add</i> 1.34 <i>For 0.03" (30 mil) Application, Add</i> 2.18 <i>For 0.125" (125 mil) Application, Add</i> 13.26		
02 83 19 13-0047	LF			Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material ..... 6.04 <i>For 0.025" (25 mil) Application, Add</i> 0.43 <i>For 0.03" (30 mil) Application, Add</i> 0.73 <i>For 0.125" (125 mil) Application, Add</i> 5.47		

**02 Existing Conditions****02 80 Facility Remediation****02 83 Lead Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0048	LF		>2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	9.68	
			For 0.025" (25 mil) Application, Add	0.62	
			For 0.03" (30 mil) Application, Add	1.01	
			For 0.125" (125 mil) Application, Add	6.38	
02 83 19 13-0049	LF		>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	17.32	
			For 0.025" (25 mil) Application, Add	1.08	
			For 0.03" (30 mil) Application, Add	1.76	
			For 0.125" (125 mil) Application, Add	10.87	
02 83 19 13-0050	LF		>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	23.72	
			For 0.025" (25 mil) Application, Add	1.45	
			For 0.03" (30 mil) Application, Add	2.34	
			For 0.125" (125 mil) Application, Add	13.79	
02 83 19 13-0051	LF		>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	42.53	
			For 0.025" (25 mil) Application, Add	2.52	
			For 0.03" (30 mil) Application, Add	4.03	
			For 0.125" (125 mil) Application, Add	22.45	
02 83 19 13-0052	SF		>16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area .....	12.70	
			For 0.025" (25 mil) Application, Add	0.73	
			For 0.03" (30 mil) Application, Add	1.15	
			For 0.125" (125 mil) Application, Add	6.00	
02 83 19 13-0053	EA		Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material.....	252.41	
			For 0.025" (25 mil) Application, Add	13.89	
			For 0.03" (30 mil) Application, Add	21.63	
02 83 19 13-0054	SF		Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material.....	17.74	
			For 0.025" (25 mil) Application, Add	1.38	
			For 0.03" (30 mil) Application, Add	2.38	
02 83 19 13-0055	SF		Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material.....	19.42	
			For 0.025" (25 mil) Application, Add	1.46	
			For 0.03" (30 mil) Application, Add	2.50	
02 83 19 13-0056	SF		Siding, Chemical Stripping Of Lead Contaminated Material .....	10.11	
			For 0.025" (25 mil) Application, Add	0.72	
			For 0.03" (30 mil) Application, Add	1.22	
			For 0.125" (125 mil) Application, Add	9.07	
02 83 19 13-0057	SF		Soffit, Chemical Stripping Of Lead Contaminated Material .....	21.16	
			For 0.025" (25 mil) Application, Add	1.23	
			For 0.03" (30 mil) Application, Add	1.96	
			For 0.125" (125 mil) Application, Add	10.57	
02 83 19 13-0058	SF		Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material.....	9.75	
			For 0.025" (25 mil) Application, Add	0.66	
			For 0.03" (30 mil) Application, Add	1.11	
			For 0.125" (125 mil) Application, Add	7.72	
02 83 19 13-0059	SF		Corrugated Steel, Chemical Stripping Of Lead Contaminated Material .....	11.07	
			For 0.025" (25 mil) Application, Add	0.73	
			For 0.03" (30 mil) Application, Add	1.20	
			For 0.125" (125 mil) Application, Add	8.05	
02 83 19 13-0060	SF		Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material.....	11.03	
			For 0.025" (25 mil) Application, Add	0.73	
			For 0.03" (30 mil) Application, Add	1.20	
			For 0.125" (125 mil) Application, Add	8.04	
02 83 19 13-0061	SF		Steel Trusses, Chemical Stripping Of Lead Contaminated Material .....	15.63	
			For 0.025" (25 mil) Application, Add	0.96	
			For 0.03" (30 mil) Application, Add	1.55	
			For 0.125" (125 mil) Application, Add	9.19	
02 83 19 13-0062	SF		Wood Surfaces, Chemical Stripping Of Lead Contaminated Material.....	11.03	
			For 0.025" (25 mil) Application, Add	0.73	
			For 0.03" (30 mil) Application, Add	1.20	
			For 0.125" (125 mil) Application, Add	8.04	
02 83 19 13-0063	SF		Windows (Sash, Sill, Jambs, Casing Trim), One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material.....	25.39	
			For 0.025" (25 mil) Application, Add	1.45	
			For 0.03" (30 mil) Application, Add	2.28	
02 83 19 13-0064	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material.....	27.78	
			For 0.025" (25 mil) Application, Add	1.57	
			For 0.03" (30 mil) Application, Add	2.46	
02 83 19 13-0065	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material.....	29.40	
			For 0.025" (25 mil) Application, Add	1.65	
			For 0.03" (30 mil) Application, Add	2.58	
02 83 19 13-0066	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material.....	31.03	
			For 0.025" (25 mil) Application, Add	1.73	
			For 0.03" (30 mil) Application, Add	2.70	
02 83 19 13-0067	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material.....	32.65	
			For 0.025" (25 mil) Application, Add	1.81	
			For 0.03" (30 mil) Application, Add	2.82	
02 83 19 13-0068	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material.....	34.34	
			For 0.025" (25 mil) Application, Add	1.89	
			For 0.03" (30 mil) Application, Add	2.95	
02 83 19 13-0069	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material.....	35.91	
			For 0.025" (25 mil) Application, Add	1.97	
			For 0.03" (30 mil) Application, Add	3.07	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0070 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material .....	36.73	
For 0.025" (25 mil) Application, Add	2.01	
For 0.03" (30 mil) Application, Add	3.13	
02 83 19 13-0071 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material .....	37.55	
For 0.025" (25 mil) Application, Add	2.05	
For 0.03" (30 mil) Application, Add	3.19	
02 83 19 13-0072 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material .....	38.34	
For 0.025" (25 mil) Application, Add	2.09	
For 0.03" (30 mil) Application, Add	3.25	
02 83 19 13-0073 SF Metal Stairs, Chemical Stripping Of Lead Contaminated Material .....	50.67	
For 0.025" (25 mil) Application, Add	2.88	
For 0.03" (30 mil) Application, Add	4.54	
For 0.125" (125 mil) Application, Add	23.17	
02 83 19 13-0074 LF Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material .....	8.82	
For 0.025" (25 mil) Application, Add	0.57	
For 0.03" (30 mil) Application, Add	0.94	
For 0.125" (125 mil) Application, Add	6.17	
02 83 19 13-0075 SF Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material .....	25.77	
Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.		
For 0.025" (25 mil) Application, Add	1.55	
For 0.03" (30 mil) Application, Add	2.49	
For 0.125" (125 mil) Application, Add	14.30	
02 83 19 13-0076 SF Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material .....	28.16	
For 0.025" (25 mil) Application, Add	1.63	
For 0.03" (30 mil) Application, Add	2.58	
For 0.125" (125 mil) Application, Add	13.58	

## 02 83 19 13-0077

**Demolish Lead Contaminated Material** (02 83 19 13)

Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0078 SF Demolish Ceiling Suspension System, Lead Contaminated Material .....	2.22	
02 83 19 13-0079 SF Demolish Suspended Ceiling System And Tile, Lead Contaminated Material .....	1.29	
02 83 19 13-0080 SF Demolish Acoustical Ceiling Tile, Lead Contaminated Material .....	0.83	
02 83 19 13-0081 SF Demolish Metal Pan Grid System, Lead Contaminated Material .....	1.29	
02 83 19 13-0082 EA Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material .....	62.07	
02 83 19 13-0083 EA Demolish >2' x 4' Light Fixtures, Lead Contaminated Material .....	82.34	
02 83 19 13-0084 SF Demolish Non Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material .....	9.19	
02 83 19 13-0085 SF Demolish Non Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material .....	5.15	
02 83 19 13-0086 SF Demolish Brick, Lead Contaminated Material .....	3.87	
02 83 19 13-0087 SF Demolish Concrete Block, Lead Contaminated Material .....	4.99	
02 83 19 13-0088 SF Demolish Tile, Lead Contaminated Material .....	3.77	
02 83 19 13-0089 SF Demolish Up To 6" Concrete, Lead Contaminated Material .....	5.66	
02 83 19 13-0090 IN Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth .....	4.41	
02 83 19 13-0091 IN Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth .....	5.89	
02 83 19 13-0092 LF Demolish Wood Balustrades And Railings, Lead Contaminated Material .....	6.43	
02 83 19 13-0093 LF Demolish Up To 6" Wide Baseboard, Lead Contaminated Material .....	1.67	
02 83 19 13-0094 LF Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material .....	2.09	
02 83 19 13-0095 LF Demolish Base Shoe Molding, Lead Contaminated Material .....	1.36	
02 83 19 13-0096 SF Demolish Concrete, Lead Contaminated Material .....	12.80	
02 83 19 13-0097 LF Demolish Cabinets, Lead Contaminated Material .....	29.82	
02 83 19 13-0098 SF Demolish Ceilings, Gypsum Board, Lead Contaminated Material .....	1.69	
02 83 19 13-0099 SF Demolish Up To 12" Diameter Columns, Lead Contaminated Material .....	16.52	
02 83 19 13-0100 SF Demolish Cornice, Lead Contaminated Material .....	2.20	
02 83 19 13-0101 EA Demolish Doors, Lead Contaminated Material .....	64.69	
02 83 19 13-0102 LF Demolish Door And Window Trim Or Frames, Lead Contaminated Material .....	1.97	
02 83 19 13-0103 EA Demolish Electrical Devices, Lead Contaminated Material .....	19.85	
02 83 19 13-0104 LF Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material .....	2.55	
02 83 19 13-0105 LF Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material .....	4.24	
02 83 19 13-0106 SF Demolish Wood Floors, Lead Contaminated Material .....	3.06	
02 83 19 13-0107 SF Demolish Grilles, Lead Contaminated Material .....	3.60	
02 83 19 13-0108 EA Demolish Hinges, Lead Contaminated Material .....	7.21	
02 83 19 13-0109 EA Demolish Up To 6" Diameter Hangers, Lead Contaminated Material .....	15.51	
02 83 19 13-0110 LF Demolish Up To 2" Diameter Pipes, Lead Contaminated Material .....	6.36	
02 83 19 13-0111 LF Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material .....	9.28	
02 83 19 13-0112 LF Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material .....	14.02	
02 83 19 13-0113 LF Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material .....	25.85	
02 83 19 13-0114 EA Demolish Radiators, Lead Contaminated Material .....	111.67	
02 83 19 13-0115 EA Demolish Shutters, Lead Contaminated Material .....	43.52	
02 83 19 13-0116 SF Demolish Siding, Lead Contaminated Material .....	1.72	
02 83 19 13-0117 SF Demolish Soffit, Lead Contaminated Material .....	1.47	
02 83 19 13-0118 SF Demolish Flat Steel Surfaces, Lead Contaminated Material .....	4.02	
02 83 19 13-0119 SF Demolish Steel Beams, Lead Contaminated Material .....	4.74	
02 83 19 13-0120 SF Demolish Trusses, Lead Contaminated Material .....	6.21	
02 83 19 13-0121 SF Demolish Walls, Wood, Lead Contaminated Material .....	4.59	
02 83 19 13-0122 SF Demolish Windows, Lead Contaminated Material .....	15.44	
02 83 19 13-0123 SF Demolish Metal Stair, Lead Contaminated Material .....	7.39	
02 83 19 13-0124 LF Demolish Single Metal Hand Rail, Lead Contaminated Material .....	5.44	
02 83 19 13-0125 LF Demolish Metal Railing And Posts, Lead Contaminated Material .....	8.87	

**02 Existing Conditions****02 80 Facility Remediation****02 83 Lead Remediation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 83 19 13-0126	SF	Demolish Metal Picket Fence, Lead Contaminated Material.....	2.44
02 83 19 13-0127	SF	Demolish Plywood, Lead Contaminated Material.....	6.67
02 83 19 13-0128	SF	Demolish Planks (Various Sizes), Lead Contaminated Material.....	3.26
02 83 19 13-0129	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material.....	20.38
02 83 19 13-0130	SF	Demolish Ceramic Tile Block, Lead Contaminated Material.....	4.44
02 83 19 13-0131	LF	Demolish Metal Guard Rails, Lead Contaminated Material.....	12.23
02 83 19 13-0132	SF	Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material.....	6.52
02 83 19 13-0133	SF	Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material.....	4.69
02 83 19 13-0134	SF	Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material.....	3.67
02 83 19 13-0135	SF	Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material.....	2.86
02 83 19 13-0136	SF	Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material.....	20.38
02 83 19 13-0137	SF	Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material.....	14.49
02 83 19 13-0138	SF	Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material.....	10.87
02 83 19 13-0139	SF	Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material.....	8.16
02 83 19 13-0140	LF	Demolish Rain Gutters, Lead Contaminated Material.....	4.48
02 83 19 13-0141	LF	Demolish Downspouts, Lead Contaminated Material.....	3.67

**02 83 19 13-0142 Wet Sanding/Scraping Of Lead Contaminated Material (02 83 19 13)**

Note: Remove loose, flaking lead-based paint to prepare for painting

02 83 19 13-0143	SF	Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting.....	3.11
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**02 83 19 13-0144 Lead Abatement Encapsulation (02 83 19 13)**

Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.

02 83 19 13-0145	SF	Balustrades, Lead Abatement Encapsulation.....	5.70
02 83 19 13-0146	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation.....	5.60
02 83 19 13-0147	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation.....	7.62
02 83 19 13-0148	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation.....	3.68
02 83 19 13-0149	SF	Ornate Cabinets, Lead Abatement Encapsulation.....	8.22
02 83 19 13-0150	SF	Simple Design Cabinets, Lead Abatement Encapsulation.....	6.71
02 83 19 13-0151	SF	Drywall Ceilings, Lead Abatement Encapsulation.....	2.34
02 83 19 13-0152	SF	Wood Ceilings, Lead Abatement Encapsulation.....	2.83
02 83 19 13-0153	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation.....	2.63
02 83 19 13-0154	SF	Columns, Lead Abatement Encapsulation.....	4.45
02 83 19 13-0155	SF	Doors, Lead Abatement Encapsulation.....	8.41
02 83 19 13-0156	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation.....	3.72
02 83 19 13-0157	SF	Picket Fence (Brush), Lead Abatement Encapsulation.....	2.68
02 83 19 13-0158	SF	Wood Floors (Roller), Lead Abatement Encapsulation.....	2.26
02 83 19 13-0159	SF	Grilles, Vents, Lead Abatement Encapsulation.....	6.15
02 83 19 13-0160	LF	Gutters And Downspouts, Lead Abatement Encapsulation.....	5.70
02 83 19 13-0161	EA	Hangers, Lead Abatement Encapsulation.....	48.06
02 83 19 13-0162	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	3.46
02 83 19 13-0163	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	5.04
02 83 19 13-0164	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	7.83
02 83 19 13-0165	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	11.55
02 83 19 13-0166	EA	Radiators, Lead Abatement Encapsulation.....	126.09
02 83 19 13-0167	EA	Up To 6' Shutters, Lead Abatement Encapsulation.....	179.14
02 83 19 13-0168	SF	Siding, Lead Abatement Encapsulation.....	3.19
02 83 19 13-0169	SF	Up To 12" Soffit, Lead Abatement Encapsulation.....	4.45
02 83 19 13-0170	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation.....	3.68
02 83 19 13-0171	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation.....	4.81
02 83 19 13-0172	SF	Trusses, Lead Abatement Encapsulation.....	4.81
02 83 19 13-0173	SF	Drywall Walls, Lead Abatement Encapsulation.....	2.08
02 83 19 13-0174	SF	Wood Walls, Lead Abatement Encapsulation.....	2.55
02 83 19 13-0175	EA	Window Without Grille, Lead Abatement Encapsulation.....	107.10
02 83 19 13-0176	EA	Window With Grille, Lead Abatement Encapsulation.....	137.53
02 83 19 13-0177	LF	Wood Door Frames And Trim, Lead Abatement Encapsulation.....	3.23
02 83 19 13-0178	LF	Steel Lintels, Lead Abatement Encapsulation.....	3.74

**02 83 33 Removal and Disposal of Material Containing Lead (02 83)****02 83 33 13 Lead-Based Paint Removal and Disposal (02 83 33)****02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead (02 83 33 13)**

02 83 33 13-0002	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent.....	0.26
02 83 33 13-0003	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate.....	0.26
02 83 33 13-0004	SF	High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting.....	1.29

**02 84 Polychlorinated Biphenyl Remediation (02 80)****02 84 16 Handling of Lighting Ballasts and Lamps Containing PBCs and Mercury (02 84)****02 84 16 00-0001 Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures (02 84 16)**

Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 84 16 00-0002 EA Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling.....	7.70	
<b>02 84 16 00-0003 Recycle TSCA-Exempt PCB And Non-PCB Ballasts (02 84 16)</b> Note: Non leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.		
02 84 16 00-0004 EA Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	1.69	
02 84 16 00-0005 EA Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	2.54	
02 84 16 00-0006 EA Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	7.91	
02 84 16 00-0007 EA Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	18.07	
<b>02 84 16 00-0008 Disposal Of Leaking PCB And Non-PCB Ballasts (02 84 16)</b> Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.		
02 84 16 00-0009 EA Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	4.24	
02 84 16 00-0010 EA Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	6.35	
02 84 16 00-0011 EA Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	11.86	
02 84 16 00-0012 EA Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	27.11	
<b>02 84 33 Removal and Disposal of Polychlorinated Biphenyls (02 84)</b>		
<b>02 84 33 00-0001 Removal And Disposal Of Polychlorinated Biphenyls Oil Filled Transformers (02 84 33)</b> Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.		
02 84 33 00-0002 EA Removal And Disposal Of Transformers 2.5/3.5 KVA, Non Polychlorinated Biphenyl (PCB).....	2,098.66	
Note: Includes disposal costs.		
02 84 33 00-0003 EA Removal And Disposal Of Transformers 20 KVA, Non Polychlorinated Biphenyl (PCB).....	3,270.09	
Note: Includes disposal costs.		
02 84 33 00-0004 EA Removal And Disposal Of Switch, Non Polychlorinated Biphenyl (PCB).....	966.94	
02 84 33 00-0005 EA Removal And Disposal Of Transformers 2.5/3.5 KVA, Polychlorinated Biphenyl (PCB).....	3,868.28	
Note: Includes disposal costs.		
02 84 33 00-0006 EA Removal And Disposal Of Switch, Polychlorinated Biphenyl (PCB).....	1,666.53	
02 84 33 00-0007 EA Removal And Disposal Of Transformers 20 KVA, Polychlorinated Biphenyl (PCB).....	6,057.56	
Note: Includes disposal costs.		
<b>02 87 Bio-Hazard Material Remediation (02 80)</b>		
<b>02 87 13 Mold Remediation (02 87)</b> Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0003 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0013 for decontamination chambers.		
<b>02 87 13 33 Removal and Disposal of Materials with Mold (02 87 13)</b>		
02 87 13 33-0001 Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal (02 87 13 33) Note: Treat fittings as additional lf of insulation.		
02 87 13 33-0002 Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0001) Note: Diameter is outer size of insulation.		
02 87 13 33-0003 Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002) Note: Excludes encased fittings.		
02 87 13 33-0004 SET Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	613.80	
02 87 13 33-0005 LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	23.79	
02 87 13 33-0006 LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	17.91	
02 87 13 33-0007 LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	13.50	
02 87 13 33-0008 LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	10.19	
02 87 13 33-0009 LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	8.89	
02 87 13 33-0010 >6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)		
02 87 13 33-0011 SET Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	629.20	
02 87 13 33-0012 LF >20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	28.09	
02 87 13 33-0013 LF >250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	21.33	
02 87 13 33-0014 LF >500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	16.25	
02 87 13 33-0015 LF >2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	12.45	
02 87 13 33-0016 LF >10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	10.96	
02 87 13 33-0017 Thermal Insulation, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0018 Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal (02 87 13 33-0017)		
02 87 13 33-0019 SET Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	621.50	
02 87 13 33-0020 SF >50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	13.78	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 87 13 33-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....	10.40
02 87 13 33-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal .....	7.87
02 87 13 33-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....	6.09
<b>02 87 13 33-0024</b>		<b>Surfacing Material, Mold Abatement And Disposal</b> (02 87 13 33)	
		Note: e.g. fireproofing, acoustical plaster, etc.	
<b>02 87 13 33-0025</b>		<b>Stucco, Mold Abatement And Disposal</b> (02 87 13 33-0024)	
		Note: Remove surface coat from brown coat or remove entire assembly, including lath.	
02 87 13 33-0026	SET	Up To 50 SF, Stucco, Mold Abatement And Disposal.....	617.22
02 87 13 33-0027	SF	>50 To 500 SF, Stucco, Mold Abatement And Disposal .....	13.69
02 87 13 33-0028	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal .....	10.31
02 87 13 33-0029	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal .....	7.78
02 87 13 33-0030	SF	>10,000 SF, Stucco, Mold Abatement And Disposal .....	5.89
<b>02 87 13 33-0031</b>		<b>Acoustical Plaster, Mold Abatement And Disposal</b> (02 87 13 33-0024)	
		Note: Remove surface coat from brown coat or remove entire assembly, including lath.	
02 87 13 33-0032	SET	Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal .....	617.22
02 87 13 33-0033	SF	>50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal .....	13.69
02 87 13 33-0034	SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal.....	10.31
02 87 13 33-0035	SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	7.78
02 87 13 33-0036	SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	5.89
<b>02 87 13 33-0037</b>		<b>Gypsum Board, Mold Abatement And Disposal</b> (02 87 13 33-0024)	
02 87 13 33-0038	SET	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal.....	625.78
02 87 13 33-0039	SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal .....	4.55
02 87 13 33-0040	SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal .....	3.59
02 87 13 33-0041	SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal .....	2.83
02 87 13 33-0042	SF	>10,000 SF, Gypsum Board, Mold Abatement And Disposal .....	2.08
<b>02 87 13 33-0043</b>		<b>Fireproofing, Mold Abatement And Disposal</b> (02 87 13 33-0024)	
		Note: Exposed surface area, includes associated overspray.	
02 87 13 33-0044	SET	Up To 50 SF, Fireproofing, Mold Abatement And Disposal .....	621.50
02 87 13 33-0045	SF	>50 To 500 SF, Fireproofing, Mold Abatement And Disposal.....	18.90
02 87 13 33-0046	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal .....	14.26
02 87 13 33-0047	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal .....	10.76
02 87 13 33-0048	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal .....	8.14
<b>02 87 13 33-0049</b>		<b>Flooring, Mold Abatement And Disposal</b> (02 87 13 33)	
		Note: Includes cove base.	
<b>02 87 13 33-0050</b>		<b>Floor Tile Or Linoleum, Mold Abatement And Disposal</b> (02 87 13 33-0049)	
<b>02 87 13 33-0051</b>		<b>Floor Tile Or Linoleum, Mold Abatement And Disposal</b> (02 87 13 33-0050)	
		Note: Single layer or first of multiple layers.	
02 87 13 33-0052	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	625.78
02 87 13 33-0053	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal .....	4.52
		For Each Additional Layer, Add	1.13
02 87 13 33-0054	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	2.51
		For Each Additional Layer, Add	0.63
02 87 13 33-0055	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal .....	1.43
		For Each Additional Layer, Add	0.36
02 87 13 33-0056	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal .....	1.11
		For Each Additional Layer, Add	0.28
<b>02 87 13 33-0057</b>		<b>Carpet, Mold Abatement And Disposal</b> (02 87 13 33-0049)	
<b>02 87 13 33-0058</b>		<b>Carpet, Glue Down, Mold Abatement And Disposal</b> (02 87 13 33-0057)	
02 87 13 33-0059	SET	Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal .....	625.78
02 87 13 33-0060	SF	>100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	3.75
02 87 13 33-0061	SF	>500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	2.35
02 87 13 33-0062	SF	>2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	1.55
02 87 13 33-0063	SF	>10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	1.18
<b>02 87 13 33-0064</b>		<b>Carpet, Padded With Tack Strips, Mold Abatement And Disposal</b> (02 87 13 33-0057)	
02 87 13 33-0065	SET	Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal .....	625.78
		Note: Includes tack strips.	
02 87 13 33-0066	SF	>100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal.....	4.22
		Note: Includes tack strips.	
02 87 13 33-0067	SF	>500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal.....	3.07
		Note: Includes tack strips.	
02 87 13 33-0068	SF	>2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal.....	2.43
		Note: Includes tack strips.	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0069 SF >10,000 SF, Carpet And Pad, Mold Abatement And Disposal..... Note: Includes tack strips.	1.86	
<b>02 87 13 33-0070 Subflooring, Mold Abatement And Disposal (02 87 13 33-0049)</b>		
02 87 13 33-0071 SET Up To 75 SF, Subflooring, Mold Abatement And Disposal .....	621.50	
02 87 13 33-0072 SF >75 To 500 SF, Subflooring, Mold Abatement And Disposal.....	5.20	
02 87 13 33-0073 SF >500 To 2,500 SF, Subflooring, Mold Abatement And Disposal.....	3.32	
02 87 13 33-0074 SF >2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal.....	1.99	
02 87 13 33-0075 SF >10,000 SF, Subflooring, Mold Abatement And Disposal.....	1.26	
<b>02 87 13 33-0076 Siding, Mold Abatement And Disposal (02 87 13 33)</b>		
<b>02 87 13 33-0077 Interior Paneling, Mold Abatement And Disposal (02 87 13 33-0076)</b> Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0078 SET Up To 100 SF, Interior Paneling, Mold Abatement And Disposal .....	625.78	
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0079 SF >100 To 500 SF, Interior Paneling, Mold Abatement And Disposal.....	4.51	
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0080 SF >500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal.....	3.16	
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0081 SF >2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal.....	1.83	
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0082 SF >10,000 SF, Interior Paneling, Mold Abatement And Disposal.....	1.39	
Note: Includes detachment of mounted objects before removal.		
<b>02 87 13 33-0083 Exterior Siding, Mold Abatement And Disposal (02 87 13 33-0076)</b>		
02 87 13 33-0084 SET Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal.....	625.78	
02 87 13 33-0085 SF >100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal.....	5.61	
02 87 13 33-0086 SF >500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal.....	3.88	
02 87 13 33-0087 SF >2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal.....	2.60	
02 87 13 33-0088 SF >10,000 SF, Exterior Siding Board, Mold Abatement And Disposal.....	2.35	
<b>02 87 13 33-0089 Contaminated Debris, Mold Abatement And Disposal (02 87 13 33)</b>		
<b>02 87 13 33-0090 Contaminated Debris, Mold Abatement And Disposal (02 87 13 33-0089)</b>		
02 87 13 33-0091 SET Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal.....	629.20	
02 87 13 33-0092 CF >20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal.....	22.08	
02 87 13 33-0093 CF >100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal.....	15.06	
02 87 13 33-0094 CF >250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal.....	11.56	
02 87 13 33-0095 CF >500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal.....	9.45	
02 87 13 33-0096 CF >2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal.....	5.63	
02 87 13 33-0097 CF >10,000 CF, Contaminated Debris, Mold Abatement And Disposal.....	5.16	
<b>02 87 13 33-0098 Other Mold Containing Materials, Mold Abatement And Disposal (02 87 13 33)</b>		
<b>02 87 13 33-0099 Wood Studs, Mold Abatement And Disposal (02 87 13 33-0098)</b> Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 87 13 33-0100 SET Up To 100 LF, Wood Studs, Mold Abatement And Disposal.....	312.89	
02 87 13 33-0101 LF >100 To 500 LF, Wood Studs, Mold Abatement And Disposal.....	2.54	
02 87 13 33-0102 LF >500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal.....	1.89	
02 87 13 33-0103 LF >2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal.....	1.46	
02 87 13 33-0104 LF >10,000 LF, Wood Studs, Mold Abatement And Disposal.....	1.11	
<b>02 87 13 33-0105 Ceiling Tile, Mold Abatement And Disposal (02 87 13 33-0098)</b> Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 87 13 33-0106 SET Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal.....	625.78	
02 87 13 33-0107 SF >100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal.....	7.78	
02 87 13 33-0108 SF >1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal.....	3.63	
02 87 13 33-0109 SF >2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal.....	2.60	
02 87 13 33-0110 SF >10,000 SF, Ceiling Tile, Mold Abatement And Disposal.....	2.35	
<b>02 87 13 33-0111 Caulking, Mold Abatement And Disposal (02 87 13 33-0098)</b>		
02 87 13 33-0112 SET Up To 20 LF, Caulking, Mold Abatement And Disposal.....	152.45	
02 87 13 33-0113 LF >20 To 50 LF, Caulking, Mold Abatement And Disposal.....	3.05	
02 87 13 33-0114 LF >50 To 100 LF, Caulking, Mold Abatement And Disposal.....	2.19	
02 87 13 33-0115 LF >100 To 250 LF, Caulking, Mold Abatement And Disposal.....	1.66	
02 87 13 33-0116 LF >250 To 1,000 LF, Caulking, Mold Abatement And Disposal.....	1.23	
02 87 13 33-0117 LF >1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal.....	0.99	
02 87 13 33-0118 LF >2,500 LF, Caulking, Mold Abatement And Disposal.....	0.86	
<b>02 87 13 33-0119 Wipe Down Walls, Ceilings And Floors (02 87 13 33-0098)</b>		

**02 Existing Conditions****02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0120	CSF		Wipe Down Floors With Mild Bleach Solution .....	16.93	
			<i>For &gt;25 To 50, Deduct</i> .....	-1.69	
			<i>For &gt;50 To 200, Deduct</i> .....	-4.23	
			<i>For &gt;200, Deduct</i> .....	-6.76	
02 87 13 33-0121	CSF		Wipe Down Walls With Mild Bleach Solution .....	19.91	
			<i>For &gt;25 To 50, Deduct</i> .....	-1.99	
			<i>For &gt;50 To 200, Deduct</i> .....	-4.97	
			<i>For &gt;200, Deduct</i> .....	-7.96	
02 87 13 33-0122	CSF		Wipe Down Ceilings With Mild Bleach Solution .....	22.65	
			<i>For &gt;25 To 50, Deduct</i> .....	-2.26	
			<i>For &gt;50 To 200, Deduct</i> .....	-5.66	
			<i>For &gt;200, Deduct</i> .....	-9.05	
02 87 13 33-0123	CSF		Wipe Down Countertops With Mild Bleach Solution .....	18.47	
			<i>For &gt;25 To 50, Deduct</i> .....	-1.85	
02 87 13 33-0124	CSF		Wipe Down Other Surfaces With Mild Bleach Solution .....	23.43	
			<i>For &gt;25 To 50, Deduct</i> .....	-2.34	
			<i>For &gt;50 To 200, Deduct</i> .....	-5.85	
			<i>For &gt;200, Deduct</i> .....	-9.36	
<b>02 87 13 33-0125</b>			<b>Cabinets</b> <small>(02 87 13 33-0098)</small>		
02 87 13 33-0126	SET		Up To 10 LF, Base Cabinet, Mold Abatement And Disposal .....	645.23	
02 87 13 33-0127	LF		>10 To 20 LF, Base Cabinet, Mold Abatement And Disposal .....	68.17	
02 87 13 33-0128	LF		>20 LF, Base Cabinet, Mold Abatement And Disposal .....	49.93	
02 87 13 33-0129	SET		Up To 10 LF, Wall Cabinet, Mold Abatement And Disposal .....	614.42	
02 87 13 33-0130	LF		>10 To 20 LF, Wall Cabinet, Mold Abatement And Disposal .....	57.80	
02 87 13 33-0131	LF		>20 LF, Wall Cabinet, Mold Abatement And Disposal .....	39.56	
<b>02 87 16</b>			<b>Excrement Removal</b> <small>(02 87)</small>		
			Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.		
<b>02 87 16 13</b>			<b>Bird Excrement Removal</b> <small>(02 87 16)</small>		
<b>02 87 16 13-0001</b>			<b>Bird Waste Removal</b> <small>(02 87 16 13)</small>		
			Note: In addition to items listed the Bio-Hazard Material Remediation note above, includes wetting agents and disinfection of contaminated surfaces.		
02 87 16 13-0002	EA		Up To 10 SF Bird Waste Removal, Up To 3" Thickness .....	608.66	
			<i>For Work In Restricted Working Space, Add</i> .....	182.60	
02 87 16 13-0003	SF		>10 To 500 SF Bird Waste Removal, Up To 3" Thickness .....	10.14	
			<i>For Work In Restricted Working Space, Add</i> .....	3.04	
02 87 16 13-0004	SF		>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness .....	9.22	
			<i>For Work In Restricted Working Space, Add</i> .....	2.77	
02 87 16 13-0005	SF		>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness .....	8.38	
			<i>For Work In Restricted Working Space, Add</i> .....	2.51	
02 87 16 13-0006	SF		>10,000 SF Bird Waste Removal, Up To 3" Thickness .....	7.63	
			<i>For Work In Restricted Working Space, Add</i> .....	2.29	
<b>02 87 19</b>			<b>Bio-Hazard and Infectious Disease Control Remediation</b> <small>(02 87)</small>		
<b>02 87 19 00-0001</b>			<b>Temporary Barriers</b> <small>(02 87 19)</small>		
<b>02 87 19 00-0002</b>			<b>Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control</b> <small>(02 87 19 00-0001)</small>		
			Note: Panels are opal or transparent. Includes self leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.		
02 87 19 00-0003	EA		4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000) .....	994.66	
02 87 19 00-0004	EA		3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001) .....	944.21	
02 87 19 00-0005	EA		2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002) .....	742.40	
02 87 19 00-0006	EA		2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1) .....	860.12	
02 87 19 00-0007	EA		6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005) .....	455.28	
02 87 19 00-0008	EA		12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006) .....	488.91	
02 87 19 00-0009	EA		3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010) .....	1,524.39	
			Note: Includes a hydraulic closer and a lever style lockset standard.		
02 87 19 00-0010	EA		4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003) .....	1,692.56	
			Note: Includes a hydraulic closer and a lever style lockset standard.		
02 87 19 00-0011	EA		4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008) .....	2,028.90	
			Note: Includes a hydraulic closer and a lever style lockset standard.		
02 87 19 00-0012	EA		7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004) .....	332.75	
02 87 19 00-0013	EA		7'-8" To 10' High, Outside Corner Post (Edge Guard 4007) .....	273.90	
02 87 19 00-0014	EA		7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009) .....	273.90	
02 87 19 00-0015	EA		Closure Strips (Edge Guard 3003) .....	18.21	
			Note: To seal panels to existing walls		
02 87 19 00-0016	EA		Digital Differential Pressure Gauge Kit (Edge Guard 3005) .....	467.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>02 87 19 00-0017</b> Temporary Sheeting For Bio-Hazard And Infectious Disease Control <small>(02 87 19 00-0001)</small>		
<i>Note: Includes removal and disposal in approved landfill after use.</i>		
02 87 19 00-0018 SF 6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control .....	0.54	
02 87 19 00-0019 SF 6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control .....	0.71	
02 87 19 00-0020 SF 6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control .....	0.95	
02 87 19 00-0021 SF 6 Mil Plastic Fire Retardant, Anti Static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control .....	0.65	
02 87 19 00-0022 SF 6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control .....	0.82	
02 87 19 00-0023 SF 6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control .....	1.06	
<b>02 87 19 00-0024</b> Temporary Floor Protection For Bio-Hazard And Infectious Disease Control <small>(02 87 19 00-0001)</small>		
<i>Note: Includes removal after use.</i>		
02 87 19 00-0025 SF 1/8" Thick, Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control .....	1.74	
02 87 19 00-0026 SF 1/2" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control .....	1.82	
02 87 19 00-0027 SF 3/4" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control .....	2.14	
<b>02 87 19 00-0028</b> Temporary Stud Wall For Bio-Hazard And Infectious Disease Control <small>(02 87 19 00-0001)</small>		
<i>Note: Includes removal after use.</i>		
02 87 19 00-0029 SF 1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control .....	6.07	
02 87 19 00-0030 SF 1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control .....	8.32	
02 87 19 00-0031 SF 5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control .....	6.21	
02 87 19 00-0032 SF 5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control .....	8.60	
02 87 19 00-0033 SF 6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control .....	3.64	
<b>02 87 19 00-0034</b> Isolation Barriers For Bio-Hazard And Infectious Disease Control <small>(02 87 19 00-0001)</small>		
02 87 19 00-0035 GSF Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control .....	24.20	
<i>Note: Includes support frame of 2x4s or PVC piping (ground SF) up to 6' to construct stand-alone tents (floor, walls and ceiling) with airlock.</i>		
02 87 19 00-0036 GSF Relocate Tent Construction To Different Area .....	2.71	
<b>02 87 19 00-0037</b> Plexiglass Barriers For Bio-Hazard And Infectious Disease Control <small>(02 87 19 00-0001)</small>		
02 87 19 00-0038 SF 3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control .....	20.78	
02 87 19 00-0039 SF 1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control .....	24.64	
02 87 19 00-0040 SF 3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control .....	34.82	
02 87 19 00-0041 PR Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control .....	1,417.20	
<i>Note: Excludes gloves.</i>		
02 87 19 00-0042 PR Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control .....	508.21	
<i>Note: For installation in glove iris port.</i>		
02 87 19 00-0043 PR Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control .....	812.23	
<i>Note: For installation in glove iris port.</i>		
02 87 19 00-0044 EA 5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease .....	144.67	
<i>Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).</i>		
<b>02 87 19 00-0045</b> Temporary Portable And Mobile Trailers <small>(02 87 19)</small>		
<b>02 87 19 00-0046</b> Trailer Delivery <small>(02 87 19 00-0045)</small>		
02 87 19 00-0047 EA Deliver Trailer Within 25 Miles .....	1,125.15	
<b>02 87 19 00-0048</b> Portable And Mobile Trailers, Purchase <small>(02 87 19 00-0045)</small>		
<i>Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, &amp; phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.</i>		
02 87 19 00-0049 EA 8' x 24' Mobile Trailer With Toilet, Purchase .....	12,522.60	
<i>For Tie-Downs, Add</i>		124.53
02 87 19 00-0050 EA 8' x 32' Mobile Trailer With Toilet, Purchase .....	17,690.85	
<i>For Tie-Downs, Add</i>		124.53
02 87 19 00-0051 EA 10' x 36' Mobile Trailer With Toilet, Purchase .....	25,242.16	
<i>For Tie-Downs, Add</i>		124.53
02 87 19 00-0052 EA 10' x 44' Mobile Trailer With Toilet, Purchase .....	31,542.88	
<i>For Tie-Downs, Add</i>		124.53
02 87 19 00-0053 EA 10' x 50' Mobile Trailer With Toilet, Purchase .....	35,861.34	
<i>For Tie-Downs, Add</i>		124.53
02 87 19 00-0054 EA 12' x 50' Mobile Trailer With Toilet, Purchase .....	37,700.13	
<i>For Tie-Downs, Add</i>		124.53

**02 Existing Conditions****02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0055 EA 12' x 60' Mobile Trailer With Toilet, Purchase <i>For Tie-Downs, Add</i>	41,948.86	124.53
<b>02 87 19 00-0056 Accessories For Portable And Mobile Trailers</b> <small>(02 87 19 00-0045)</small>		
<b>02 87 19 00-0057 Skirting</b> <small>(02 87 19 00-0056)</small> Note: Includes 2" x 4" wood framing 16" on center.		
02 87 19 00-0058 SF 1'-8" High Vinyl Covered Skirt	5.04	1.87
02 87 19 00-0059 SF 3' High Vinyl Covered Skirt	7.33	3.07
<b>02 87 19 00-0060 Aluminum Modular Access Ramp</b> <small>(02 87 19 00-0056)</small> Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
02 87 19 00-0061 EA Up To 35" High, Aluminum Modular Access Ramp	3,653.46	35.67
<b>02 87 19 00-0062 Aluminum Modular Stairs</b> <small>(02 87 19 00-0056)</small> Note: Excludes earthwork		
02 87 19 00-0063 EA Aluminum Steps For Mobile Trailers	1,008.87	
<b>02 87 19 00-0064 Decontamination Chambers For Bio-Hazard And Infectious Disease Control</b> <small>(02 87 19)</small> Note: Includes removal after use.		
02 87 19 00-0065 EA Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	953.53	
02 87 19 00-0066 EA Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	1,123.41	
02 87 19 00-0067 EA Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	578.23	
<b>02 87 19 00-0068 Bio-Hazard And Infectious Disease Control Cleaning, Level 2</b> <small>(02 87 19)</small> Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0138 for disposal of material into approved landfill.		
<b>02 87 19 00-0069 Bio-Hazard And Infectious Disease Control Cleaning Mobilization</b> <small>(02 87 19 00-0068)</small>		
02 87 19 00-0070 EA Bio-Hazard And Infectious Disease Control Mobilization And Set-Up Note: Mobilization and set-up minimum for each site location.	355.22	
<b>02 87 19 00-0071 Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces</b> <small>(02 87 19 00-0068)</small> Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces		
02 87 19 00-0072 CSF Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	26.35	
<i>For &gt;25 To 50, Deduct</i>	-2.63	
<i>For &gt;50 To 200, Deduct</i>	-5.26	
<i>For &gt;200, Deduct</i>	-7.90	
<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>	14.01	
<i>For Level 1 Biohazard Cleaning, Deduct</i>	-5.26	
<i>For Level 3 Biohazard Cleaning, Add</i>	8.69	
02 87 19 00-0073 CSF Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	30.99	
<i>For &gt;25 To 50, Deduct</i>	-3.10	
<i>For &gt;50 To 200, Deduct</i>	-6.19	
<i>For &gt;200, Deduct</i>	-9.29	
<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>	14.01	
<i>For Level 1 Biohazard Cleaning, Deduct</i>	-6.19	
<i>For Level 3 Biohazard Cleaning, Add</i>	10.22	
02 87 19 00-0074 CSF Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	35.25	
<i>For &gt;25 To 50, Deduct</i>	-3.52	
<i>For &gt;50 To 200, Deduct</i>	-7.04	
<i>For &gt;200, Deduct</i>	-10.57	
<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>	14.01	
<i>For Level 1 Biohazard Cleaning, Deduct</i>	-7.04	
<i>For Level 3 Biohazard Cleaning, Add</i>	11.62	
02 87 19 00-0075 CSF Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	28.73	
<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>	14.01	
<i>For &gt;5 To 10, Deduct</i>	-1.44	
<i>For &gt;10 To 50, Deduct</i>	-2.87	
<i>For &gt;50, Deduct</i>	-5.74	
<i>For Level 1 Biohazard Cleaning, Deduct</i>	-5.74	
<i>For Level 3 Biohazard Cleaning, Add</i>	9.47	
02 87 19 00-0076 CSF Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	36.46	
<i>For &gt;25 To 50, Deduct</i>	-3.64	
<i>For &gt;50 To 200, Deduct</i>	-7.29	
<i>For &gt;200, Deduct</i>	-10.93	
<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>	14.01	
<i>For Level 1 Biohazard Cleaning, Deduct</i>	-7.29	
<i>For Level 3 Biohazard Cleaning, Add</i>	12.02	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**02 87 19 00-0077 Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials** (02 87 19 00-0068)

Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect

02 87 19 00-0078	EA	Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution		68.08	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-13.61	
		<i>For Level 3 Biohazard Cleaning, Add</i>		22.46	
		<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>		7.00	
02 87 19 00-0079	EA	Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution		31.25	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-6.24	
		<i>For Level 3 Biohazard Cleaning, Add</i>		10.30	
		<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>		4.67	
02 87 19 00-0080	EA	Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution		109.66	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-21.93	
		<i>For Level 3 Biohazard Cleaning, Add</i>		36.18	
		<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>		7.00	
02 87 19 00-0081	EA	Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution		6.77	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-1.35	
		<i>For Level 3 Biohazard Cleaning, Add</i>		2.22	
		<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>		1.40	
02 87 19 00-0082	EA	Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution		101.08	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-20.21	
		<i>For Level 3 Biohazard Cleaning, Add</i>		33.35	
		<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>		7.00	
02 87 19 00-0083	EA	Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution		10.80	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-2.15	
		<i>For Level 3 Biohazard Cleaning, Add</i>		3.55	
		<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>		1.40	

**02 87 19 00-0084 Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork** (02 87 19 00-0068)

02 87 19 00-0085	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning		3.98	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-0.79	
		<i>For Level 3 Biohazard Cleaning, Add</i>		1.30	
02 87 19 00-0086	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning		4.99	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-0.99	
		<i>For Level 3 Biohazard Cleaning, Add</i>		1.63	
02 87 19 00-0087	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning		6.70	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-1.32	
		<i>For Level 3 Biohazard Cleaning, Add</i>		2.17	
02 87 19 00-0088	LF	>8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning		9.48	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-1.85	
		<i>For Level 3 Biohazard Cleaning, Add</i>		3.05	
02 87 19 00-0089	EA	Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning		177.64	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-35.52	
		<i>For Level 3 Biohazard Cleaning, Add</i>		58.61	
02 87 19 00-0090	SF	Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning		12.37	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-2.47	
		<i>For Level 3 Biohazard Cleaning, Add</i>		4.07	
02 87 19 00-0091	EA	Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning		118.44	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-23.68	
		<i>For Level 3 Biohazard Cleaning, Add</i>		39.08	
02 87 19 00-0092	EA	Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning		355.25	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-71.04	
		<i>For Level 3 Biohazard Cleaning, Add</i>		117.22	
02 87 19 00-0093	EA	Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning		29.63	
		Note: Includes removal and reinstallation.			
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-5.92	
		<i>For Level 3 Biohazard Cleaning, Add</i>		9.77	
02 87 19 00-0094	SF	Apply Sporidicin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning		0.54	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-0.10	
		<i>For Level 3 Biohazard Cleaning, Add</i>		0.16	
02 87 19 00-0095	SF	Apply Goldshield® GS5 Antimicrobial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning		0.62	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-0.10	
		<i>For Level 3 Biohazard Cleaning, Add</i>		0.16	

**02 87 19 00-0096 Bio-Hazard And Infectious Disease Control Equipment Rental** (02 87 19)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0097	DAY	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up		133.93	
02 87 19 00-0098	WK	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up		570.46	
02 87 19 00-0099	MO	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up		1,597.28	

**02 Existing Conditions****02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0100 DAY Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up.....	150.09	
02 87 19 00-0101 WK Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up.....	412.75	
02 87 19 00-0102 MO Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up.....	1,125.69	
02 87 19 00-0103 DAY Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up.....	47.49	
02 87 19 00-0104 WK Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up.....	130.59	
02 87 19 00-0105 MO Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up.....	356.15	
02 87 19 00-0106 DAY Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	101.52	
02 87 19 00-0107 WK Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	416.97	
02 87 19 00-0108 MO Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	1,259.97	
02 87 19 00-0109 EA High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio-Hazard And Infectious Disease Control Clean-up..... Note: Required if over 800 hours operation.	163.70	
02 87 19 00-0110 DAY 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	474.39	
02 87 19 00-0111 WK 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	948.78	
02 87 19 00-0112 MO 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,897.56	
02 87 19 00-0113 DAY 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	632.52	
02 87 19 00-0114 WK 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,265.04	
02 87 19 00-0115 MO 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	2,530.08	
02 87 19 00-0116 DAY 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	942.42	
02 87 19 00-0117 WK 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,884.85	
02 87 19 00-0118 MO 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	3,769.70	
02 87 19 00-0119 DAY 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,256.57	
02 87 19 00-0120 WK 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	2,513.13	
02 87 19 00-0121 MO 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	5,026.26	
02 87 19 00-0122 DAY 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,570.71	
02 87 19 00-0123 WK 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	3,141.42	
02 87 19 00-0124 MO 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	6,282.83	
02 87 19 00-0125 EA Set-Up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up..... Note: Includes staking down tent.	108.23	
02 87 19 00-0126 EA Set-Up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up..... Note: Includes staking down tent.	216.45	
02 87 19 00-0127 EA Set-Up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up..... Note: Includes staking down tent.	649.36	
02 87 19 00-0128 EA Set-Up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up..... Note: Includes staking down tent.	1,298.73	
02 87 19 00-0129 EA Set-Up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up..... Note: Includes staking down tent.	2,164.54	
02 87 19 00-0130 DAY Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up.....	103.73	
02 87 19 00-0131 WK Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up.....	285.27	
02 87 19 00-0132 MO Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up.....	778.00	
<b>02 87 19 00-0133 Bio-Hazard And Infectious Disease Control Hauling By Truck</b> <small>(02 87 19)</small> Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.		
02 87 19 00-0134 EA Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up..... Note: Each first 15 miles per trip	99.27	
<i>For Each Additional Mile Over First 15 Miles, Add Per Mile</i>	1.24	
02 87 19 00-0135 EA Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up..... Note: Each first 15 miles per trip	160.85	
<i>For Each Additional Mile Over First 15 Miles, Add Per Mile</i>	2.01	
02 87 19 00-0136 EA Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up..... Note: Each first 15 miles per trip	166.75	
<i>For Each Additional Mile Over First 15 Miles, Add Per Mile</i>	2.08	
02 87 19 00-0137 EA Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up..... Note: Each first 15 miles per trip	170.16	
<i>For Each Additional Mile Over First 15 Miles, Add Per Mile</i>	2.13	
<b>02 87 19 00-0138 Bio-Hazard And Infectious Disease Control Disposal</b> <small>(02 87 19)</small> Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0139 CY Bio-Hazard And Infectious Disease Control Landfill Dump Fee.....	27.73	
<b>02 87 19 00-0140 BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters</b> <small>(02 87 19)</small> Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.		
02 87 19 00-0141 EA 20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P).....	43,400.07	
02 87 19 00-0142 EA 7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST).....	4,172.20	
02 87 19 00-0143 EA Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04).....	6,903.30	
02 87 19 00-0144 SF Sub Flooring For Medical Shelter (AKS-AB846).....	6.42	
02 87 19 00-0145 EA Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5).....	1,894.82	
02 87 19 00-0146 EA Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5).....	31,034.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0147 EA 3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915).....	1,081.74	
02 87 19 00-0148 EA Negative Pressure Isolation (NPI) System (AK-NPIS-5)..... Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case	48,848.02	
02 87 19 00-0149 EA 6' Step Ladder (AKS-AC595).....	293.54	
02 87 19 00-0150 EA 10 Lbs Sledgehammer (AKS-AA268).....	89.63	
<b>02 87 19 00-0151 Bio-Hazard And Infectious Disease Time And Material Tasks (02 87 19)</b> Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
<b>02 87 19 00-0152 Bio-Hazard And Infectious Disease Control Labor (02 87 19 00-0151)</b> Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0153 HR General Laborer For Bio-Hazard And Infectious Disease Control Clean Up .....	94.48	
02 87 19 00-0154 HR Skilled Tradesman For Bio-Hazard And Infectious Disease Control Clean Up.....	129.25	
02 87 19 00-0155 HR Biohazard Technician For Bio-Hazard And Infectious Disease Control Clean Up .....	101.25	
02 87 19 00-0156 HR Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Clean Up .....	121.74	
02 87 19 00-0157 HR Project Manager For Bio-Hazard And Infectious Disease Control Clean Up .....	133.89	
<b>02 87 19 00-0158 Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment (02 87 19 00-0151)</b> Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0159 EA Tyvek Coveralls For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	15.72	
02 87 19 00-0160 EA Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	25.79	
02 87 19 00-0161 PR Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	16.71	
02 87 19 00-0162 EA Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	120.96	
02 87 19 00-0163 EA Cartridge - Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	54.92	
02 87 19 00-0164 EA Full Face Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment..... Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension	369.05	
02 87 19 00-0165 EA 14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment..... Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010	50.45	
02 87 19 00-0166 EA 19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment..... Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.	91.65	
02 87 19 00-0167 BOX Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	28.49	
02 87 19 00-0168 EA Gloves - Rubber (Heavy Duty) For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	24.33	
02 87 19 00-0169 EA Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	2,466.80	
Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO <sub>2</sub> (BA5800/U), C420 Breathing Tube Assembly with 75 Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (Afi), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly		
<b>02 87 19 00-0170 Bio-Hazard And Infectious Disease Control Expendables (02 87 19 00-0151)</b> Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0001 for temporary sheeting, 01 56 16 00-0033 for temporary walls.		
02 87 19 00-0171 GAL Bleach For Bio-Hazard And Infectious Disease Control Clean-up.....	12.26	
02 87 19 00-0172 EA N95 Masks For Bio-Hazard And Infectious Disease Control Clean-up .....	4.06	
02 87 19 00-0173 GAL Disinfectant/Antimicrobial For Bio-Hazard And Infectious Disease Control Clean Up .....	120.09	
02 87 19 00-0174 GAL Goldshield® G55 Antimicrobial Concentrate For Bio-Hazard And Infectious Disease Control Clean-up..... Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days	336.13	
02 87 19 00-0175 QT Hand Sanitizer For Bio-Hazard And Infectious Disease Control Clean-up .....	12.76	
02 87 19 00-0176 EA Sponges - Dry For Bio-Hazard And Infectious Disease Control Clean-up.....	6.01	
02 87 19 00-0177 ROL Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Clean-up .....	15.63	
02 87 19 00-0178 EA UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Clean-up .....	73.44	
02 87 19 00-0179 EA Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Clean-up .....	63.00	
02 87 19 00-0180 LB Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Clean-up.....	9.31	
02 87 19 00-0181 EA Wyp-AIIs, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Clean-up.....	18.77	
02 87 19 00-0182 ROL 6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Clean Up .....	193.92	
<b>02 89 Hazmat Ancillary Tasks and Support (02 80)</b>		
<b>02 89 00 00-0001 Barriers And Protection (02 89)</b> Note: Includes removal and disposal after use.		
<b>02 89 00 00-0002 Isolation Barriers (02 89 00 00-0001)</b> See CSI section 01 56 16 00-0033 for temporary stud walls.		
<b>02 89 00 00-0003 Hazmat Containment Construction Plastic Sheeting (02 89 00 00-0001)</b>		

**02 Existing Conditions****02 80 Facility Remediation****02 89 Hazmat Ancillary Tasks and Support**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 89 00 00-0004 SF 4 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction .....	0.36	
02 89 00 00-0005 SF 6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction .....	0.38	
02 89 00 00-0006 SF 4 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction .....	0.44	
02 89 00 00-0007 SF 6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction .....	0.50	
02 89 00 00-0008 SF 4 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction .....	0.59	
02 89 00 00-0009 SF 6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction .....	0.66	
02 89 00 00-0010 SF 6 Mil Plastic Fire Retardant, Anti Static Sheeting, Applied To Floors, Hazmat Containment Construction .....	0.65	
02 89 00 00-0011 SF 6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction.....	0.82	
02 89 00 00-0012 SF 6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction .....	1.06	
<b>02 89 00 00-0013 Decontamination Chambers (02 89)</b> Note: Includes removal after use.		
02 89 00 00-0014 EA 3 Stage Portable Personnel Decontamination Wash Facility .....	955.72	
Note: Includes connection to negative air system.		
02 89 00 00-0015 EA 5 Stage Portable Personnel Decontamination Wash Facility .....	1,126.03	
Note: Includes connection to negative air system.		
02 89 00 00-0016 EA Portable Waste Decontamination Unit .....	579.98	
Note: Includes connection to negative air system.		
<i>For Dismantling And Relocation To A Different Area, Add</i>		364.62
<b>02 90 Disaster Recovery (02)</b> Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.		
<b>02 90 50 Cleaning and Disaster Clean-up (02 90)</b>		
<b>02 90 50 00-0001 Non-Mold Contaminated Wet Material Removal (02 90 50)</b> Note: For materials not requiring mold abatement.		
02 90 50 00-0002 SY Wet Broadloom Carpet Removal For Disaster Clean-up .....	23.30	
02 90 50 00-0003 SY Wet Carpet Tile Removal For Disaster Clean-up .....	5.67	
02 90 50 00-0004 SF Wet Batt Insulation Removal For Disaster Clean-up.....	0.47	
02 90 50 00-0005 SF Wet Ceiling Tile Removal For Disaster Clean-up.....	0.57	
02 90 50 00-0006 SF Single Layer, Wet Gypsum Board Removal For Disaster Clean-up.....	0.55	
02 90 50 00-0007 SF Double Layer, Wet Gypsum Board Removal For Disaster Clean-up .....	0.87	
<b>02 90 50 00-0008 Cleaning (02 90 50)</b> Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required		
<b>02 90 50 00-0009 Clean Furnishings (02 90 50 00-0008)</b>		
02 90 50 00-0010 EA Office Equipment, Exterior Wipe For Disaster Clean-up .....	27.80	
<i>For Medium Clean, Add</i>	11.68	
<i>For Heavy Clean, Add</i>	36.14	
02 90 50 00-0011 SF Bookcase (Per SF Of Face Area), Light Clean For Disaster Clean-up .....	1.55	
<i>For Medium Clean, Add</i>	0.65	
<i>For Heavy Clean, Add</i>	2.02	
02 90 50 00-0012 LF Shelving, Light Clean For Disaster Clean-up .....	2.78	
<i>For Medium Clean, Add</i>	1.17	
<i>For Heavy Clean, Add</i>	3.61	
02 90 50 00-0013 EA Plastic Or Metal Chair, Light Clean For Disaster Clean-up .....	8.03	
<i>For Medium Clean, Add</i>	3.37	
<i>For Heavy Clean, Add</i>	10.44	
02 90 50 00-0014 EA Upholstered Chair, Light Clean For Disaster Clean-up .....	25.95	
<i>For Medium Clean, Add</i>	10.90	
<i>For Heavy Clean, Add</i>	33.74	
02 90 50 00-0015 EA Upholstered Sofa, Light Clean For Disaster Clean-up .....	159.98	
<i>For Medium Clean, Add</i>	67.19	
<i>For Heavy Clean, Add</i>	207.97	
02 90 50 00-0016 EA Desk, Light Clean For Disaster Clean-up.....	32.74	
<i>For Medium Clean, Add</i>	13.75	
<i>For Heavy Clean, Add</i>	42.56	
02 90 50 00-0017 EA Table, Light Clean For Disaster Clean-up.....	30.89	
<i>For Medium Clean, Add</i>	12.97	
<i>For Heavy Clean, Add</i>	40.16	
02 90 50 00-0018 EA Two Drawer File Cabinet, Light Clean For Disaster Clean-up .....	6.77	
<i>For Medium Clean, Add</i>	2.84	
<i>For Heavy Clean, Add</i>	8.80	
02 90 50 00-0019 EA Four Drawer File Cabinet, Light Clean For Disaster Clean-up.....	8.66	
<i>For Medium Clean, Add</i>	3.64	
<i>For Heavy Clean, Add</i>	11.26	
02 90 50 00-0020 LF Base Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up.....	7.11	
<i>For Medium Clean, Add</i>	2.99	
<i>For Heavy Clean, Add</i>	9.24	
02 90 50 00-0021 LF Base Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up .....	13.90	
<i>For Medium Clean, Add</i>	5.84	
<i>For Heavy Clean, Add</i>	18.07	
02 90 50 00-0022 LF Wall Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up .....	7.11	
<i>For Medium Clean, Add</i>	2.99	
<i>For Heavy Clean, Add</i>	9.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0023 LF Wall Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up .....	12.35	
<i>For Medium Clean, Add</i>	5.19	
<i>For Heavy Clean, Add</i>	16.06	
02 90 50 00-0024 EA Picture Frame, Glass And Back, Light Clean For Disaster Clean-up.....	2.96	
<i>For Medium Clean, Add</i>	1.24	
<i>For Heavy Clean, Add</i>	3.85	
<b>02 90 50 00-0025 Clean Hard Surfaces</b> <small>(02 90 50 00-0008)</small>		
02 90 50 00-0026 LF Wood, Vinyl Or Rubber Baseboard, Light Clean For Disaster Clean-up.....	0.40	
<i>For Medium Clean, Add</i>	0.17	
<i>For Heavy Clean, Add</i>	0.52	
02 90 50 00-0027 EA Door And Hardware (Per Side), Light Clean For Disaster Clean-up.....	5.25	
<i>For Medium Clean, Add</i>	2.21	
<i>For Heavy Clean, Add</i>	6.83	
02 90 50 00-0028 EA Detailed Door And Hardware (Per Side), Light Clean For Disaster Clean-up.....	5.95	
<i>For Medium Clean, Add</i>	2.50	
<i>For Heavy Clean, Add</i>	7.74	
02 90 50 00-0029 SF Overhead Door, Light Clean For Disaster Clean-up .....	0.42	
<i>For Medium Clean, Add</i>	0.18	
<i>For Heavy Clean, Add</i>	0.55	
02 90 50 00-0030 SF Mirror, Light Clean For Disaster Clean-up .....	0.31	
<i>For Medium Clean, Add</i>	0.13	
<i>For Heavy Clean, Add</i>	0.40	
02 90 50 00-0031 SF Window, Light Clean For Disaster Clean-up.....	0.91	
<i>For Medium Clean, Add</i>	0.38	
<i>For Heavy Clean, Add</i>	1.18	
02 90 50 00-0032 LF Handrail, Light Clean For Disaster Clean-up .....	0.81	
<i>For Medium Clean, Add</i>	0.34	
<i>For Heavy Clean, Add</i>	1.05	
02 90 50 00-0033 LF Bumper Rail, Light Clean For Disaster Clean-up .....	0.44	
<i>For Medium Clean, Add</i>	0.18	
<i>For Heavy Clean, Add</i>	0.57	
02 90 50 00-0034 SF Hard Floor, Light Clean For Disaster Clean-up.....	0.36	
<i>For Medium Clean, Add</i>	0.15	
<i>For Heavy Clean, Add</i>	0.47	
02 90 50 00-0035 SF Carpet, Light Clean For Disaster Clean-up.....	0.37	
<i>For Medium Clean, Add</i>	0.16	
<i>For Heavy Clean, Add</i>	0.48	
02 90 50 00-0036 SF Hard Ceiling, Light Clean For Disaster Clean-up.....	0.28	
<i>For Medium Clean, Add</i>	0.12	
<i>For Heavy Clean, Add</i>	0.36	
02 90 50 00-0037 SF Suspended Ceiling, Tile And Grid, Light Clean For Disaster Clean-up.....	0.31	
<i>For Medium Clean, Add</i>	0.13	
<i>For Heavy Clean, Add</i>	0.40	
02 90 50 00-0038 SF Ceramic Tile Wall, Light Clean For Disaster Clean-up.....	0.26	
<i>For Medium Clean, Add</i>	0.11	
<i>For Heavy Clean, Add</i>	0.34	
02 90 50 00-0039 SF Wall, Light Clean For Disaster Clean-up.....	0.19	
<i>For Medium Clean, Add</i>	0.08	
<i>For Heavy Clean, Add</i>	0.25	
02 90 50 00-0040 SF Masonry Wall, Light Clean For Disaster Clean-up .....	0.26	
<i>For Medium Clean, Add</i>	0.11	
<i>For Heavy Clean, Add</i>	0.34	
02 90 50 00-0041 EA Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	65.15	
Note: Includes removal from site, cleaning, and return.		
<i>For Medium Clean, Add</i>	27.36	
<i>For Heavy Clean, Add</i>	84.70	
02 90 50 00-0042 EA >24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	81.43	
Note: Includes removal from site, cleaning, and return.		
<i>For Medium Clean, Add</i>	34.20	
<i>For Heavy Clean, Add</i>	105.86	
02 90 50 00-0043 EA >96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	97.71	
Note: Includes removal from site, cleaning, and return.		
<i>For Medium Clean, Add</i>	41.04	
<i>For Heavy Clean, Add</i>	127.02	
02 90 50 00-0044 EA >140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	114.00	
<i>For Medium Clean, Add</i>	47.88	
<i>For Heavy Clean, Add</i>	148.20	
<b>02 90 50 00-0045 Clean Window Treatments</b> <small>(02 90 50 00-0008)</small>		
02 90 50 00-0046 SF Window Blind, Light Clean For Disaster Clean-up.....	0.71	
<i>For Medium Clean, Add</i>	0.30	
<i>For Heavy Clean, Add</i>	0.92	
02 90 50 00-0047 EA Up To 6' Long Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.45	
<i>For Medium Clean, Add</i>	0.61	
<i>For Heavy Clean, Add</i>	1.89	
02 90 50 00-0048 EA Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.67	
<i>For Medium Clean, Add</i>	0.70	
<i>For Heavy Clean, Add</i>	2.17	
02 90 50 00-0049 EA >6' To 8' Drapery (Per Pleat), Light Clean For Disaster Clean-up .....	1.52	
<i>For Medium Clean, Add</i>	0.64	
<i>For Heavy Clean, Add</i>	1.98	

**02 Existing Conditions****02 90 Disaster Recovery****02 90 50 Cleaning and Disaster Clean-up**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0050	EA		>6' To 8' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.75	
			<i>For Medium Clean, Add</i>	0.74	
			<i>For Heavy Clean, Add</i>	2.28	
02 90 50 00-0051	EA		>8' To 10' Drapery (Per Pleat), Light Clean For Disaster Clean-up .....	1.86	
			<i>For Medium Clean, Add</i>	0.78	
			<i>For Heavy Clean, Add</i>	2.42	
02 90 50 00-0052	EA		>8' To 10' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	2.14	
			<i>For Medium Clean, Add</i>	0.90	
			<i>For Heavy Clean, Add</i>	2.78	
<b>02 90 50 00-0053</b>			<b>Clean Appliances</b> (02 90 50 00-0008)		
02 90 50 00-0054	EA		Microwave Oven, Outside, Light Clean For Disaster Clean-up.....	12.80	
			<i>For Medium Clean, Add</i>	5.38	
			<i>For Heavy Clean, Add</i>	16.64	
02 90 50 00-0055	EA		Refrigerator, Outside, Light Clean For Disaster Clean-up.....	30.15	
			<i>For Medium Clean, Add</i>	12.66	
			<i>For Heavy Clean, Add</i>	39.20	
02 90 50 00-0056	EA		Range, Outside, Light Clean For Disaster Clean-up.....	26.06	
			<i>For Medium Clean, Add</i>	10.95	
			<i>For Heavy Clean, Add</i>	33.88	
<b>02 90 50 00-0057</b>			<b>Clean Plumbing</b> (02 90 50 00-0008)		
02 90 50 00-0058	EA		Water Heater, Light Clean For Disaster Clean-up.....	18.54	
			<i>For Medium Clean, Add</i>	7.79	
			<i>For Heavy Clean, Add</i>	24.10	
02 90 50 00-0059	EA		Plumbing Fixture, Light Clean For Disaster Clean-up.....	18.72	
			<i>For Medium Clean, Add</i>	7.86	
			<i>For Heavy Clean, Add</i>	24.34	
02 90 50 00-0060	EA		Restroom Accessory, Light Clean For Disaster Clean-up.....	8.59	
			<i>For Medium Clean, Add</i>	3.61	
			<i>For Heavy Clean, Add</i>	11.17	
<b>02 90 50 00-0061</b>			<b>Clean HVAC</b> (02 90 50 00-0008)		
02 90 50 00-0062	LF		Baseboard Heater, Light Clean For Disaster Clean-up.....	5.53	
			<i>For Medium Clean, Add</i>	2.32	
			<i>For Heavy Clean, Add</i>	7.19	
02 90 50 00-0063	LF		Ductwork, Exterior Wipe, Light Clean For Disaster Clean-up .....	15.45	
			<i>For Medium Clean, Add</i>	6.49	
			<i>For Heavy Clean, Add</i>	20.09	
02 90 50 00-0064	EA		Ductwork, Interior (Per Grille/Register), Light Clean For Disaster Clean-up .....	59.30	
			<i>For Medium Clean, Add</i>	24.91	
			<i>For Heavy Clean, Add</i>	77.09	
02 90 50 00-0065	EA		Grille/Register, Light Clean For Disaster Clean-up .....	5.56	
			<i>For Medium Clean, Add</i>	2.34	
			<i>For Heavy Clean, Add</i>	7.23	
02 90 50 00-0066	EA		Air Handling Unit, Exterior Wipe, Light Clean For Disaster Clean-up.....	38.51	
			<i>For Medium Clean, Add</i>	16.17	
			<i>For Heavy Clean, Add</i>	50.06	
02 90 50 00-0067	EA		Furnace, Exterior Wipe, Light Clean For Disaster Clean-up .....	34.29	
			<i>For Medium Clean, Add</i>	14.40	
			<i>For Heavy Clean, Add</i>	44.58	
<b>02 90 50 00-0068</b>			<b>Clean Electrical</b> (02 90 50 00-0008)		
02 90 50 00-0069	EA		Electric Fan, Light Clean For Disaster Clean-up.....	22.86	
			<i>For Medium Clean, Add</i>	9.60	
			<i>For Heavy Clean, Add</i>	29.72	
02 90 50 00-0070	EA		Ceiling Fan, Light Clean For Disaster Clean-up.....	24.71	
			<i>For Medium Clean, Add</i>	10.38	
			<i>For Heavy Clean, Add</i>	32.12	
02 90 50 00-0071	EA		Ceiling Fan And Light, Light Clean For Disaster Clean-up.....	32.12	
			<i>For Medium Clean, Add</i>	13.49	
			<i>For Heavy Clean, Add</i>	41.76	
02 90 50 00-0072	EA		Ceiling Exhaust Fan, Light Clean For Disaster Clean-up.....	22.54	
			<i>For Medium Clean, Add</i>	9.47	
			<i>For Heavy Clean, Add</i>	29.30	
02 90 50 00-0073	EA		2' x 4' Light Fixture, Light Clean For Disaster Clean-up.....	14.83	
			<i>For Medium Clean, Add</i>	6.23	
			<i>For Heavy Clean, Add</i>	19.28	
02 90 50 00-0074	EA		Light Fixture, Light Clean For Disaster Clean-up .....	6.79	
			<i>For Medium Clean, Add</i>	2.85	
			<i>For Heavy Clean, Add</i>	8.83	
02 90 50 00-0075	EA		Smoke Detector, Light Clean For Disaster Clean-up .....	5.25	
			<i>For Medium Clean, Add</i>	2.21	
			<i>For Heavy Clean, Add</i>	6.83	
02 90 50 00-0076	EA		Thermostat, Light Clean For Disaster Clean-up.....	1.85	
			<i>For Medium Clean, Add</i>	0.78	
			<i>For Heavy Clean, Add</i>	2.41	
<b>02 90 50 00-0077</b>			<b>Thermal Fog</b> (02 90 50 00-0008)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0078 CF Clean And Deodorize Building With Thermal Fog For Disaster Clean-up.....	0.02	
<b>02 90 50 00-0079 Contents Manipulation (02 90 50)</b>		
02 90 50 00-0080 SF Cover Contents With 6 Mil Plastic Sheeting For Disaster Clean-up.....	0.24	
02 90 50 00-0081 SF Floor Protection, Adhesive Film For Disaster Clean-up.....	0.29	
02 90 50 00-0082 SF Move Contents Out And Later Reset For Disaster Clean-up.....	0.49	
02 90 50 00-0083 MO 20' Long Job Site Storage Trailer For Disaster Clean-up.....	210.54	
02 90 50 00-0084 MO 40' Long Job Site Storage Trailer For Disaster Clean-up.....	279.21	
02 90 50 00-0085 EA Delivery Or Pickup Job Site Storage Trailer For Disaster Clean-up.....	143.67	
<b>02 90 50 00-0086 Water Disaster Clean-up (02 90 50)</b>		
02 90 50 00-0087 LF Detach Baseboard For Disaster Clean-up.....	0.67	
02 90 50 00-0088 LF Detach And Later Reset Baseboard For Disaster Clean-up.....	1.19	
02 90 50 00-0089 EA Block And Pad Furniture (Per Piece Of Furniture) For Disaster Clean-up.....	4.36	
02 90 50 00-0090 SF Water Extraction From Floor For Disaster Clean-up.....	0.45	
02 90 50 00-0091 SF Gray Water Extraction From Floor For Disaster Clean-up.....	0.73	
02 90 50 00-0092 SF Black Water Extraction From Floor For Disaster Clean-up.....	1.16	
02 90 50 00-0093 SF Tear Out Wet Non Salvageable Carpet For Disaster Clean-up.....	0.36	
02 90 50 00-0094 SF Tear Out Wet Non Salvageable Carpet, Black Water For Disaster Clean-up.....	0.43	
02 90 50 00-0095 SF Tear Out Wet Non Salvageable Glue Down Carpet For Disaster Clean-up.....	0.64	
02 90 50 00-0096 SF Tear Out Wet Non Salvageable Glue Down Carpet, Black Water For Disaster Clean-up.....	0.94	
02 90 50 00-0097 SF Tear Out Vinyl Flooring For Disaster Clean-up.....	0.89	
02 90 50 00-0098 SF Tear Out Vinyl Flooring, Black Water For Disaster Clean-up.....	1.30	
02 90 50 00-0099 SF Tear Out Wood Flooring, Black Water For Disaster Clean-up.....	3.38	
02 90 50 00-0100 SF Tear Out Laminated Wood Flooring For Disaster Clean-up.....	1.66	
02 90 50 00-0101 SF Tear Out Laminated Wood Flooring, Black Water For Disaster Clean-up.....	2.44	
02 90 50 00-0102 SF Tear Out Wet Ceiling Tile For Disaster Clean-up.....	0.28	
02 90 50 00-0103 SF Tear Out Batt Insulation For Disaster Clean-up.....	0.28	
02 90 50 00-0104 SF Tear Out Wet Gypsum Board For Disaster Clean-up.....	0.48	
02 90 50 00-0105 SF Apply Antimicrobial Agent For Disaster Clean-up.....	0.27	
02 90 50 00-0106 SF High Efficiency Particulate Air (HEPA) Vacuuming For Disaster Clean-up.....	0.35	
<b>02 90 50 00-0107 Board Up And Tarp Up (02 90 50)</b>		
02 90 50 00-0108 SF Polyethylene Tarp On Roof For Disaster Clean-up.....	0.29	
02 90 50 00-0109 SF 1/2" Temporary Plywood On Roof For Disaster Clean-up.....	2.03	
02 90 50 00-0110 SF 5/8" Temporary Plywood On Roof For Disaster Clean-up.....	2.18	
02 90 50 00-0111 SF 3/4" Temporary Plywood On Roof For Disaster Clean-up.....	2.41	
02 90 50 00-0112 SF 1/2" Temporary Plywood On Wall Or Windows For Disaster Clean-up.....	2.40	
02 90 50 00-0113 SF 5/8" Temporary Plywood On Wall Or Windows For Disaster Clean-up.....	2.55	
02 90 50 00-0114 SF 3/4" Temporary Plywood On Wall Or Windows For Disaster Clean-up.....	2.78	
<b>02 90 50 00-0115 Minimum Charges (02 90 50)</b>		
02 90 50 00-0116 EA Disaster Cleaning Minimum Charge.....	1,352.26	
02 90 50 00-0117 EA Disaster Water Extraction Minimum Charge.....	290.87	
02 90 50 00-0118 EA Disaster Carpet Cleaning Minimum Charge.....	271.08	
<b>02 90 50 00-0119 Document Restoration (02 90 50)</b>		
02 90 50 00-0120 EA Book Rebinding, Each For Document Restoration.....	139.99	
02 90 50 00-0121 EA Book Recasing, Each For Document Restoration.....	69.98	
02 90 50 00-0122 EA Boxes-MCS, 1.2 CF For Document Restoration.....	8.79	
02 90 50 00-0123 EA Boxes-MCS, 2.0 CF For Document Restoration.....	9.70	
02 90 50 00-0124 EA Boxes Bankers For Document Restoration.....	22.36	
02 90 50 00-0125 EA Boxes Standard Packout For Document Restoration.....	5.63	
02 90 50 00-0126 EA Boxes X Ray For Document Restoration.....	14.01	
02 90 50 00-0127 EA CD Scanning and Diagnostics, Each For Document Restoration.....	14.01	
02 90 50 00-0128 EA Cleaning Antique Books, Each For Document Restoration.....	419.95	
02 90 50 00-0129 EA Cleaning Catheter Roll, Per Roll For Document Restoration.....	55.98	
02 90 50 00-0130 EA Cleaning CD And DVD, Per Disc For Document Restoration.....	5.62	
02 90 50 00-0131 EA Cleaning Level 1 - Blue Prints, Each For Document Restoration.....	3.93	
02 90 50 00-0132 CF Cleaning Level 1 - Document Per CF For Document Restoration.....	121.78	
02 90 50 00-0133 EA Cleaning Level 1 - Linen, Each For Document Restoration.....	3.93	
02 90 50 00-0134 EA Cleaning Level 1 - Mylar, Each For Document Restoration.....	3.93	
02 90 50 00-0135 EA Cleaning Level 2 - Blue Print, Each For Document Restoration.....	4.88	
02 90 50 00-0136 CF Cleaning Level 2 - Document Per CF For Document Restoration.....	182.51	
02 90 50 00-0137 EA Cleaning Level 2 - Linen, Each For Document Restoration.....	4.88	
02 90 50 00-0138 EA Cleaning Level 2 - Mylar, Each For Document Restoration.....	4.88	
02 90 50 00-0139 EA Cleaning Level 3 - Blue Prints, Each For Document Restoration.....	6.93	
02 90 50 00-0140 CF Cleaning Level 3 - Document Per CF For Document Restoration.....	243.52	
02 90 50 00-0141 EA Cleaning Level 3 - Linen, Each For Document Restoration.....	6.93	
02 90 50 00-0142 EA Cleaning Level 3 - Mylar, Each For Document Restoration.....	6.93	
02 90 50 00-0143 EA Cleaning Level 4 - All Fire-Blue Print, Each For Document Restoration.....	9.71	
02 90 50 00-0144 EA Cleaning Level 4 - All Fire-Linen, Each For Document Restoration.....	9.71	
02 90 50 00-0145 EA Cleaning Level 4 - All Fire-Mylar, Each For Document Restoration.....	9.71	
02 90 50 00-0146 CF Cleaning Level 4 - Light Fire-Docum Per CF For Document Restoration.....	304.35	
02 90 50 00-0147 EA Cleaning Level 5 - Severe Fire-Blue Print, Each For Document Restoration.....	10.76	

**02 Existing Conditions****02 90 Disaster Recovery****02 90 50 Cleaning and Disaster Clean-up**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 90 50 00-0148	CF	Cleaning Level 5 - Severe Fire-Document Per CF For Document Restoration.....	456.66	
02 90 50 00-0149	EA	Cleaning Level 5 - Severe Fire-Linen, Each For Document Restoration.....	10.76	
02 90 50 00-0150	EA	Cleaning Level 5 - Severe Fire-Mylar, Each For Document Restoration.....	10.76	
02 90 50 00-0151	EA	Cleaning Microfiche Sheets, Each For Document Restoration.....	3.82	
02 90 50 00-0152	EA	Cleaning Microfiche Strips, Each For Document Restoration.....	0.89	
02 90 50 00-0153	EA	Cleaning Microfilm Rolls (In House), Per Roll For Document Restoration.....	139.99	
02 90 50 00-0154	EA	Cleaning Microfilm Rolls (Outside), Per Roll For Document Restoration.....	195.99	
02 90 50 00-0155	EA	Cleaning Photographs Negatives, Per Negative For Document Restoration.....	3.82	
02 90 50 00-0156	EA	Cleaning Photographs, Each For Document Restoration.....	0.89	
02 90 50 00-0157	EA	Cleaning Record Albums, Each For Document Restoration.....	5.62	
02 90 50 00-0158	EA	Cleaning VHS And Beta Tapes-In House, Each For Document Restoration.....	14.01	
02 90 50 00-0159	EA	Cleaning VHS And Beta Tapes-Outside, Each For Document Restoration.....	55.98	
02 90 50 00-0160	EA	Cleaning X Ray 1-1000, Per Film For Document Restoration.....	5.21	
02 90 50 00-0161	EA	Cleaning X Ray 1K-5K, Per Film For Document Restoration.....	4.45	
02 90 50 00-0162	EA	Cleaning X Ray 5K-Up, Per Film For Document Restoration.....	3.49	
02 90 50 00-0163	EA	Copying Clean Water, Per Page For Document Restoration.....	0.51	
02 90 50 00-0164	EA	Copying Greywater Fire, Per Page For Document Restoration.....	1.51	
02 90 50 00-0165	CF	Deodorization, Vapor Tech For Document Restoration.....	9.61	
02 90 50 00-0166	CF	Disinfectant-Fogging For Document Restoration.....	19.63	
02 90 50 00-0167	EA	Document Disposal In House No Shredding For Document Restoration.....	74.64	
02 90 50 00-0168	EA	Document Disposal In House With Shredding For Document Restoration.....	20.37	
02 90 50 00-0169	CF	Up To 150 CF, Drying-MCS Center For Document Restoration.....	251.97	
02 90 50 00-0170	CF	>150 To 500 CF, Drying-MCS Center For Document Restoration.....	195.99	
02 90 50 00-0171	CF	>500 CF, Drying-MCS Center For Document Restoration.....	167.98	
02 90 50 00-0172	CF	>50 To 150 CF, Drying-MCS Center For Document Restoration.....	223.98	
02 90 50 00-0173	CF	Up To 500 CF, Drying-Onsite For Document Restoration.....	419.95	
02 90 50 00-0174	CF	>500 CF, Drying-Onsite For Document Restoration.....	257.62	
02 90 50 00-0175	EA	Drying Antique Books, Each For Document Restoration.....	55.98	
02 90 50 00-0176	EA	Drying Blue Prints, Each For Document Restoration.....	7.00	
02 90 50 00-0177	EA	DVD Scanning And Diagnostics, Each For Document Restoration.....	14.01	
02 90 50 00-0178	EA	Freeze Drying (In House) For Document Restoration.....	126.63	
02 90 50 00-0179	EA	Freeze Drying (Outside) For Document Restoration.....	108.54	
02 90 50 00-0180	EA	Up To 48 CF, Irradiation - Gamma (Minimum Charge) For Document Restoration.....	2,984.85	
02 90 50 00-0181	CF	>48 CF, Irradiation - Gamma (Per CF Charge) For Document Restoration.....	27.14	
02 90 50 00-0182	EA	Minimal Drying Jobs For Document Restoration.....	1,257.26	
02 90 50 00-0183	EA	Monthly Storage For Document Restoration.....	234.58	
02 90 50 00-0184	EA	Mylar Prints For Document Restoration.....	14.01	
02 90 50 00-0185	CF	Ozoning For Document Restoration.....	8.63	
02 90 50 00-0186	CF	Stabilization Freezer Storage, Per Cubic Foot Per Month For Document Restoration.....	10.93	
02 90 50 00-0187	MO	Stabilization Freezer Storage, Per Page-Per Month For Document Restoration.....	0.14	
02 90 50 00-0188	EA	Wood Pallets, Each For Document Restoration.....	30.37	

**02 90 55 Emergency Clean-up (02 90)****02 90 55 00-0001 Emergency Clean-up (02 90 55)**

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

**02 90 55 00-0002 Emergency Clean-up Labor (02 90 55 00-0001)**

Note: Used in the performance of time and material projects. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0003	HR	Skilled Tradesman For Emergency Clean Up.....	60.72	
02 90 55 00-0004	HR	Restoration / Document Laborer For Emergency Clean Up.....	42.50	
02 90 55 00-0005	HR	Restoration / Document Supervisor For Emergency Clean Up.....	58.44	
02 90 55 00-0006	HR	Restoration / Document Project Manager For Emergency Clean Up.....	95.63	
02 90 55 00-0007	HR	Assistant Project Manager For Emergency Clean Up.....	79.70	
02 90 55 00-0008	HR	Senior Project Manager For Emergency Clean Up.....	111.57	
02 90 55 00-0009	HR	Project Director / Document Consultant / Account Manager For Emergency Clean Up.....	159.39	
02 90 55 00-0010	HR	Equipment Technician For Emergency Clean Up.....	116.89	
02 90 55 00-0011	HR	Mold Remediation Laborer For Emergency Clean Up.....	58.19	
02 90 55 00-0012	HR	Mold Remediation Supervisor For Emergency Clean Up.....	79.70	
02 90 55 00-0013	HR	Administrative Personnel For Emergency Clean Up.....	37.19	
02 90 55 00-0014	HR	Project Accountant For Emergency Clean Up.....	60.72	
02 90 55 00-0015	HR	Biohazard Technician For Emergency Clean Up.....	84.38	
02 90 55 00-0016	HR	Biohazard Supervisor For Emergency Clean Up.....	101.45	
02 90 55 00-0017	HR	Health And Safety Officer For Emergency Clean Up.....	91.08	
02 90 55 00-0018	HR	Resource And Logistics Coordinator For Emergency Clean Up.....	65.78	
02 90 55 00-0019	HR	Loss Control Specialist For Emergency Clean Up.....	63.76	
02 90 55 00-0020	HR	Moisture Control Specialist For Emergency Clean Up.....	52.62	
02 90 55 00-0021	HR	Mobilization Support For Emergency Clean Up.....	32.38	

**02 90 55 00-0022 Emergency Clean-up Equipment (02 90 55 00-0001)**

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

**02 90 55 00-0023 General Emergency Clean-up Equipment (02 90 55 00-0022)**

02 90 55 00-0024	DAY	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up.....	133.93	
02 90 55 00-0025	WK	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up.....	510.93	
02 90 55 00-0026	MO	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up.....	1,398.86	
02 90 55 00-0027	DAY	13" Floor Buffer Rental For Emergency Clean-up.....	58.98	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0028 WK 13" Floor Buffer Rental For Emergency Clean-up.....	160.39	
02 90 55 00-0029 MO 13" Floor Buffer Rental For Emergency Clean-up.....	442.76	
02 90 55 00-0030 DAY 17" Floor Buffer Rental For Emergency Clean-up.....	110.69	
02 90 55 00-0031 WK 17" Floor Buffer Rental For Emergency Clean-up.....	282.38	
02 90 55 00-0032 MO 17" Floor Buffer Rental For Emergency Clean-up.....	666.40	
02 90 55 00-0033 DAY Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	609.93	
02 90 55 00-0034 WK Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	1,637.78	
02 90 55 00-0035 MO Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	4,563.18	
02 90 55 00-0036 DAY Ride-On Floor Scrubber Rental For Emergency Clean-up.....	1,377.99	
02 90 55 00-0037 WK Ride-On Floor Scrubber Rental For Emergency Clean-up.....	3,636.99	
02 90 55 00-0038 MO Ride-On Floor Scrubber Rental For Emergency Clean-up.....	9,804.06	
02 90 55 00-0039 DAY 4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	99.40	
02 90 55 00-0040 WK 4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	282.38	
02 90 55 00-0041 MO 4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	971.37	
02 90 55 00-0042 DAY 8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	92.62	
02 90 55 00-0043 WK 8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	248.49	
02 90 55 00-0044 MO 8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	643.82	
02 90 55 00-0045 DAY 17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	148.19	
02 90 55 00-0046 WK 17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	422.88	
02 90 55 00-0047 MO 17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	1,181.91	
02 90 55 00-0048 DAY Truck Mounted Extractor Rental For Emergency Clean-up.....	928.92	
02 90 55 00-0049 WK Truck Mounted Extractor Rental For Emergency Clean-up.....	2,786.75	
02 90 55 00-0050 MO Truck Mounted Extractor Rental For Emergency Clean-up.....	8,360.25	
02 90 55 00-0051 DAY 16" Chain Saw Rental For Emergency Clean-up.....	108.43	
02 90 55 00-0052 WK 16" Chain Saw Rental For Emergency Clean-up.....	243.97	
02 90 55 00-0053 MO 16" Chain Saw Rental For Emergency Clean-up.....	650.59	
02 90 55 00-0054 DAY 20" Chain Saw Rental For Emergency Clean-up.....	135.54	
02 90 55 00-0055 WK 20" Chain Saw Rental For Emergency Clean-up.....	304.96	
02 90 55 00-0056 MO 20" Chain Saw Rental For Emergency Clean-up.....	813.24	
02 90 55 00-0057 EA Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up.....	101.66	
02 90 55 00-0058 DAY 14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up.....	144.58	
02 90 55 00-0059 WK 14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up.....	395.32	
02 90 55 00-0060 MO 14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up.....	1,106.91	
02 90 55 00-0061 DAY 12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up.....	176.20	
02 90 55 00-0062 WK 12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up.....	598.64	
02 90 55 00-0063 MO 12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up.....	1,140.80	
02 90 55 00-0064 DAY Wet Or Dry Portable Cleaning Unit For Emergency Clean-up.....	161.45	
02 90 55 00-0065 WK Wet Or Dry Portable Cleaning Unit For Emergency Clean-up.....	444.00	
02 90 55 00-0066 MO Wet Or Dry Portable Cleaning Unit For Emergency Clean-up.....	1,210.90	
02 90 55 00-0067 DAY Extension Cords - 220 Volt For Emergency Clean-up.....	56.48	
02 90 55 00-0068 DAY Extension Cords - 220 Volt Converter Box For Emergency Clean-up.....	33.88	
02 90 55 00-0069 DAY Demolition Cart, 1 Yard For Emergency Clean-up.....	90.36	
02 90 55 00-0070 WK Demolition Cart, 1 Yard For Emergency Clean-up.....	248.49	
02 90 55 00-0071 MO Demolition Cart, 1 Yard For Emergency Clean-up.....	677.70	
02 90 55 00-0072 DAY Demolition Cart, 1-1/2 Yard For Emergency Clean-up.....	112.95	
02 90 55 00-0073 WK Demolition Cart, 1-1/2 Yard For Emergency Clean-up.....	310.61	
02 90 55 00-0074 MO Demolition Cart, 1-1/2 Yard For Emergency Clean-up.....	847.12	
02 90 55 00-0075 EA Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up.....	169.42	
02 90 55 00-0076 DAY Dry-Ice Blasting System For Emergency Clean-up.....	1,826.87	
02 90 55 00-0077 DAY Fogger - Mist For Emergency Clean-up.....	47.49	
02 90 55 00-0078 WK Fogger - Mist For Emergency Clean-up.....	130.59	
02 90 55 00-0079 MO Fogger - Mist For Emergency Clean-up.....	356.15	
02 90 55 00-0080 DAY Fogger - Electric Thermal For Emergency Clean-up.....	68.38	
02 90 55 00-0081 WK Fogger - Electric Thermal For Emergency Clean-up.....	188.05	
02 90 55 00-0082 MO Fogger - Electric Thermal For Emergency Clean-up.....	512.85	
02 90 55 00-0083 DAY Fogger - Gas Power Thermal For Emergency Clean-up.....	183.87	
02 90 55 00-0084 WK Fogger - Gas Power Thermal For Emergency Clean-up.....	505.64	
02 90 55 00-0085 MO Fogger - Gas Power Thermal For Emergency Clean-up.....	1,379.01	
02 90 55 00-0086 EA Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up.....	226.12	
02 90 55 00-0087 WK Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up.....	621.84	
02 90 55 00-0088 MO Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up.....	1,695.94	
02 90 55 00-0089 DAY Hand Trucks/Dollies For Emergency Clean-up.....	27.11	
02 90 55 00-0090 WK Hand Trucks/Dollies For Emergency Clean-up.....	74.55	
02 90 55 00-0091 MO Hand Trucks/Dollies For Emergency Clean-up.....	203.31	
02 90 55 00-0092 DAY Heat Gun - Shrink Wrap For Emergency Clean-up.....	140.74	
02 90 55 00-0093 WK Heat Gun - Shrinkwrap For Emergency Clean-up.....	387.05	
02 90 55 00-0094 MO Heat Gun - Shrinkwrap For Emergency Clean-up.....	1,055.59	
02 90 55 00-0095 DAY High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up.....	198.99	
Note: Includes all filters.		
02 90 55 00-0096 DAY Ladder For Emergency Clean-up.....	38.40	
02 90 55 00-0097 DAY Lights - Demo, Drop, Stand, String For Emergency Clean-up.....	34.19	
02 90 55 00-0098 DAY Lights - Wobble For Emergency Clean-up.....	41.79	
02 90 55 00-0099 DAY Moisture Meter For Emergency Clean-up.....	56.98	
02 90 55 00-0100 WK Moisture Meter For Emergency Clean-up.....	156.70	
02 90 55 00-0101 MO Moisture Meter For Emergency Clean-up.....	427.38	
02 90 55 00-0102 DAY Nail Gun For Emergency Clean-up.....	101.66	
02 90 55 00-0103 WK Nail Gun For Emergency Clean-up.....	279.55	
02 90 55 00-0104 MO Nail Gun For Emergency Clean-up.....	762.41	
02 90 55 00-0105 DAY Ozone Generator For Emergency Clean-up.....	237.43	
02 90 55 00-0106 DAY PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up.....	135.54	
02 90 55 00-0107 DAY Portable Generator, Up To 7,500 Watt For Emergency Clean-up.....	189.94	

**02 Existing Conditions****02 90 Disaster Recovery****02 90 55 Emergency Clean-up**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 90 55 00-0108	DAY	Pressure Washer, Hot For Emergency Clean-up.....	284.92	
02 90 55 00-0109	DAY	Pressure Washer, Cold For Emergency Clean-up.....	189.94	
02 90 55 00-0110	DAY	Scaffolding - Per Section For Emergency Clean-up.....	146.84	
02 90 55 00-0111	DAY	Small Tools - Tool Box For Emergency Clean-up.....	56.48	
02 90 55 00-0112	DAY	Soda Blasting Equipment For Emergency Clean-up.....	1,812.80	
02 90 55 00-0113	DAY	Sprayer - Hudson For Emergency Clean-up.....	18.07	
02 90 55 00-0114	WK	Sprayer - Hudson For Emergency Clean-up.....	49.70	
02 90 55 00-0115	MO	Sprayer - Hudson For Emergency Clean-up.....	135.54	
02 90 55 00-0116	DAY	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up.....	152.94	
02 90 55 00-0117	WK	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up.....	359.18	
02 90 55 00-0118	MO	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up.....	1,229.39	
02 90 55 00-0119	DAY	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up.....	240.72	
02 90 55 00-0120	WK	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up.....	567.42	
02 90 55 00-0121	MO	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up.....	1,581.89	
02 90 55 00-0122	DAY	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up.....	257.91	
02 90 55 00-0123	WK	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up.....	644.79	
02 90 55 00-0124	MO	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up.....	1,736.63	
02 90 55 00-0125	DAY	Storage Space (Per SF Per Day) For Emergency Clean-up.....	4.38	
02 90 55 00-0126	DAY	Submersible Pump For Emergency Clean-up.....	47.49	
02 90 55 00-0127	DAY	Trash Pump - 2" Gas Powered For Emergency Clean-up.....	260.85	
02 90 55 00-0128	DAY	Vehicle, Pick-up, SUV, Car For Emergency Clean-up.....	129.49	
02 90 55 00-0129	DAY	Vehicle, Van For Emergency Clean-up.....	211.12	
02 90 55 00-0130	DAY	16' Or 24' Box Truck Vehicle For Emergency Clean-up.....	255.37	
		Note: Includes Mileage		
02 90 55 00-0131	DAY	Trailer - Refrigerated 40' Storage For Emergency Clean-up.....	280.55	
02 90 55 00-0132	DAY	Utility Trailer For Emergency Clean-up.....	233.64	
		Note: Includes Mileage		
02 90 55 00-0133	DAY	Truck Mount, Per Wand Extraction For Emergency Clean-up.....	1,053.71	
02 90 55 00-0134	DAY	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up.....	47.49	
02 90 55 00-0135	WK	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up.....	130.59	
02 90 55 00-0136	MO	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up.....	356.15	
02 90 55 00-0137	DAY	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	161.45	
02 90 55 00-0138	WK	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	444.00	
02 90 55 00-0139	MO	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	1,210.90	
02 90 55 00-0140	DAY	Vacuum - Upright For Emergency Clean-up.....	30.96	
02 90 55 00-0141	WK	Vacuum - Upright For Emergency Clean-up.....	85.15	
02 90 55 00-0142	MO	Vacuum - Upright For Emergency Clean-up.....	232.23	
02 90 55 00-0143	DAY	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up.....	70.03	
02 90 55 00-0144	WK	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up.....	173.94	
02 90 55 00-0145	MO	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up.....	417.92	
02 90 55 00-0146	DAY	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up.....	70.03	
02 90 55 00-0147	WK	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up.....	173.94	
02 90 55 00-0148	MO	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up.....	440.50	
02 90 55 00-0149	DAY	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up.....	160.39	
02 90 55 00-0150	WK	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up.....	429.21	
02 90 55 00-0151	MO	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up.....	1,197.27	
02 90 55 00-0152	DAY	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up.....	47.49	
02 90 55 00-0153	WK	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up.....	130.59	
02 90 55 00-0154	MO	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up.....	356.15	
02 90 55 00-0155	DAY	10' x 10' Canopy For Emergency Clean-up.....	142.32	
02 90 55 00-0156	WK	10' x 10' Canopy For Emergency Clean-up.....	284.63	
02 90 55 00-0157	MO	10' x 10' Canopy For Emergency Clean-up.....	569.27	
02 90 55 00-0158	DAY	10' x 20' Canopy For Emergency Clean-up.....	284.63	
02 90 55 00-0159	WK	10' x 20' Canopy For Emergency Clean-up.....	569.27	
02 90 55 00-0160	MO	10' x 20' Canopy For Emergency Clean-up.....	1,138.54	
02 90 55 00-0161	DAY	16' x 16' Canopy For Emergency Clean-up.....	356.92	
02 90 55 00-0162	WK	16' x 16' Canopy For Emergency Clean-up.....	713.84	
02 90 55 00-0163	MO	16' x 16' Canopy For Emergency Clean-up.....	1,427.69	
02 90 55 00-0164	DAY	20' x 20' Canopy For Emergency Clean-up.....	474.39	
02 90 55 00-0165	WK	20' x 20' Canopy For Emergency Clean-up.....	948.78	
02 90 55 00-0166	MO	20' x 20' Canopy For Emergency Clean-up.....	1,897.56	
02 90 55 00-0167	DAY	20' x 30' Canopy For Emergency Clean-up.....	542.16	
02 90 55 00-0168	WK	20' x 30' Canopy For Emergency Clean-up.....	1,084.32	
02 90 55 00-0169	MO	20' x 30' Canopy For Emergency Clean-up.....	2,168.64	
02 90 55 00-0170	DAY	20' x 40' Canopy For Emergency Clean-up.....	632.52	
02 90 55 00-0171	WK	20' x 40' Canopy For Emergency Clean-up.....	1,265.04	
02 90 55 00-0172	MO	20' x 40' Canopy For Emergency Clean-up.....	2,530.08	
02 90 55 00-0173	DAY	First Aid Station For Emergency Clean-up.....	341.56	
02 90 55 00-0174	WK	First Aid Station For Emergency Clean-up.....	939.29	
02 90 55 00-0175	MO	First Aid Station For Emergency Clean-up.....	2,561.71	
02 90 55 00-0176	DAY	Portable Eyewash Station For Emergency Clean-up.....	103.73	
02 90 55 00-0177	WK	Portable Eyewash Station For Emergency Clean-up.....	285.27	
02 90 55 00-0178	MO	Portable Eyewash Station For Emergency Clean-up.....	778.00	
02 90 55 00-0179	DAY	2 Way Radio For Emergency Clean-up.....	37.99	

**02 90 55 00-0180 Technical/Electronics Restoration Equipment (02 90 55 00-0022)**

02 90 55 00-0181	DAY	Computer - Diagnostic For Emergency Clean-up.....	56.48	
02 90 55 00-0182	WK	Computer - Diagnostic For Emergency Clean-up.....	155.31	
02 90 55 00-0183	MO	Computer - Diagnostic For Emergency Clean-up.....	423.56	
02 90 55 00-0184	DAY	Convection Oven - Large For Emergency Clean-up.....	819.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0185 WK Convection Oven - Large For Emergency Clean-up .....	2,252.62	
02 90 55 00-0186 MO Convection Oven - Large For Emergency Clean-up .....	6,143.52	
02 90 55 00-0187 DAY Convection Oven - Small For Emergency Clean-up .....	203.31	
02 90 55 00-0188 WK Convection Oven - Small For Emergency Clean-up .....	559.10	
02 90 55 00-0189 MO Convection Oven - Small For Emergency Clean-up .....	1,524.82	
02 90 55 00-0190 DAY Convection Oven - Vacuum For Emergency Clean-up .....	1,169.12	
02 90 55 00-0191 WK Convection Oven - Vacuum For Emergency Clean-up .....	3,215.08	
02 90 55 00-0192 MO Convection Oven - Vacuum For Emergency Clean-up .....	8,768.41	
02 90 55 00-0193 DAY Decontamination Booth For Emergency Clean-up .....	966.45	
02 90 55 00-0194 WK Decontamination Booth For Emergency Clean-up .....	2,657.73	
02 90 55 00-0195 MO Decontamination Booth For Emergency Clean-up .....	7,248.37	
02 90 55 00-0196 DAY DI Water System For Emergency Clean-up .....	75.06	
02 90 55 00-0197 WK DI Water System For Emergency Clean-up .....	206.43	
02 90 55 00-0198 MO DI Water System For Emergency Clean-up .....	562.98	
02 90 55 00-0199 DAY ESD Bench Workstation For Emergency Clean-up .....	45.98	
02 90 55 00-0200 WK ESD Bench Workstation For Emergency Clean-up .....	126.44	
02 90 55 00-0201 MO ESD Bench Workstation For Emergency Clean-up .....	344.83	
02 90 55 00-0202 DAY Heater/Enclosure Control System For Emergency Clean-up .....	33.88	
02 90 55 00-0203 WK Heater/Enclosure Control System For Emergency Clean-up .....	93.18	
02 90 55 00-0204 MO Heater/Enclosure Control System For Emergency Clean-up .....	254.14	
02 90 55 00-0205 DAY Hi-Tech Mobile Cart/Workstation For Emergency Clean-up .....	118.23	
02 90 55 00-0206 WK Hi-Tech Mobile Cart/Workstation For Emergency Clean-up .....	325.12	
02 90 55 00-0207 MO Hi-Tech Mobile Cart/Workstation For Emergency Clean-up .....	886.69	
02 90 55 00-0208 DAY Micro-Blaster/Dust Collector For Emergency Clean-up .....	508.28	
02 90 55 00-0209 WK Micro-Blaster/Dust Collector For Emergency Clean-up .....	1,397.76	
02 90 55 00-0210 MO Micro-Blaster/Dust Collector For Emergency Clean-up .....	3,812.06	
02 90 55 00-0211 DAY Mobile Laboratory For Emergency Clean-up .....	1,411.88	
02 90 55 00-0212 WK Mobile Laboratory For Emergency Clean-up .....	3,882.66	
02 90 55 00-0213 MO Mobile Laboratory For Emergency Clean-up .....	10,589.06	
02 90 55 00-0214 DAY Nitrogen Enclosure Cabinet For Emergency Clean-up .....	27.11	
02 90 55 00-0215 WK Nitrogen Enclosure Cabinet For Emergency Clean-up .....	74.55	
02 90 55 00-0216 MO Nitrogen Enclosure Cabinet For Emergency Clean-up .....	203.31	
02 90 55 00-0217 DAY Odell Cleaning Station For Emergency Clean-up .....	790.65	
02 90 55 00-0218 WK Odell Cleaning Station For Emergency Clean-up .....	2,174.29	
02 90 55 00-0219 MO Odell Cleaning Station For Emergency Clean-up .....	5,929.88	
02 90 55 00-0220 DAY Parts Washer For Emergency Clean-up .....	56.48	
02 90 55 00-0221 WK Parts Washer For Emergency Clean-up .....	155.31	
02 90 55 00-0222 MO Parts Washer For Emergency Clean-up .....	423.56	
02 90 55 00-0223 DAY Ultrasonic Cleaning System For Emergency Clean-up .....	351.86	
02 90 55 00-0224 WK Ultrasonic Cleaning System For Emergency Clean-up .....	967.62	
02 90 55 00-0225 MO Ultrasonic Cleaning System For Emergency Clean-up .....	2,638.97	
02 90 55 00-0226 DAY Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up .....	150.09	
02 90 55 00-0227 WK Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up .....	412.75	
02 90 55 00-0228 MO Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up .....	1,125.69	
<b>02 90 55 00-0229 Drying/Dehumidification Equipment (02 90 55 00-0022)</b>		
02 90 55 00-0230 DAY 202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up .....	237.43	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 55 00-0231 WK 202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up .....	652.94	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 55 00-0232 MO 202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up .....	1,780.73	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 55 00-0233 DAY 3,000 CFM Axial Air Mover For Emergency Clean-up .....	92.42	
02 90 55 00-0234 WK 3,000 CFM Axial Air Mover For Emergency Clean-up .....	254.16	
02 90 55 00-0235 MO 3,000 CFM Axial Air Mover For Emergency Clean-up .....	693.16	
02 90 55 00-0236 DAY Injectidry System For Emergency Clean-up .....	294.41	
02 90 55 00-0237 WK Injectidry System For Emergency Clean-up .....	809.64	
02 90 55 00-0238 MO Injectidry System For Emergency Clean-up .....	2,208.11	
02 90 55 00-0239 DAY Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up .....	189.94	
02 90 55 00-0240 WK Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up .....	522.35	
02 90 55 00-0241 MO Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up .....	1,424.59	
02 90 55 00-0242 DAY >100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up .....	282.38	
02 90 55 00-0243 WK >100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up .....	776.53	
02 90 55 00-0244 MO >100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up .....	2,117.81	
02 90 55 00-0245 DAY >175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up .....	262.30	
02 90 55 00-0246 WK >175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up .....	721.34	
02 90 55 00-0247 MO >175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up .....	1,967.29	
02 90 55 00-0248 DAY Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up .....	280.40	
02 90 55 00-0249 WK Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up .....	771.09	
02 90 55 00-0250 MO Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up .....	2,102.96	
02 90 55 00-0251 DAY Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up .....	280.40	
02 90 55 00-0252 WK Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up .....	771.09	
02 90 55 00-0253 MO Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up .....	2,102.96	
02 90 55 00-0254 DAY D-500 Desiccant Dehumidifier For Emergency Clean-up .....	316.58	
02 90 55 00-0255 WK D-500 Desiccant Dehumidifier For Emergency Clean-up .....	870.58	
02 90 55 00-0256 MO D-500 Desiccant Dehumidifier For Emergency Clean-up .....	2,374.31	
02 90 55 00-0257 DAY D-750 Desiccant Dehumidifier For Emergency Clean-up .....	664.81	
02 90 55 00-0258 WK D-750 Desiccant Dehumidifier For Emergency Clean-up .....	1,828.22	
02 90 55 00-0259 MO D-750 Desiccant Dehumidifier For Emergency Clean-up .....	4,986.06	
02 90 55 00-0260 DAY D-1000 Desiccant Dehumidifier For Emergency Clean-up .....	1,139.67	

**02 Existing Conditions****02 90 Disaster Recovery****02 90 55 Emergency Clean-up**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 90 55 00-0261	WK	D-1000 Desiccant Dehumidifier For Emergency Clean-up	3,134.09	
02 90 55 00-0262	MO	D-1000 Desiccant Dehumidifier For Emergency Clean-up	8,547.52	
02 90 55 00-0263	DAY	D-1500 Desiccant Dehumidifier For Emergency Clean-up	1,754.73	
02 90 55 00-0264	WK	D-1500 Desiccant Dehumidifier For Emergency Clean-up	4,825.51	
02 90 55 00-0265	MO	D-1500 Desiccant Dehumidifier For Emergency Clean-up	13,160.48	
02 90 55 00-0266	DAY	D-2000 Desiccant Dehumidifier For Emergency Clean-up	1,754.73	
02 90 55 00-0267	WK	D-2000 Desiccant Dehumidifier For Emergency Clean-up	4,825.51	
02 90 55 00-0268	MO	D-2000 Desiccant Dehumidifier For Emergency Clean-up	13,160.48	
02 90 55 00-0269	DAY	D-2250 Desiccant Dehumidifier For Emergency Clean-up	1,832.52	
02 90 55 00-0270	WK	D-2250 Desiccant Dehumidifier For Emergency Clean-up	5,039.42	
02 90 55 00-0271	MO	D-2250 Desiccant Dehumidifier For Emergency Clean-up	13,743.88	
02 90 55 00-0272	DAY	D-3000 Desiccant Dehumidifier For Emergency Clean-up	2,279.34	
02 90 55 00-0273	WK	D-3000 Desiccant Dehumidifier For Emergency Clean-up	6,268.18	
02 90 55 00-0274	MO	D-3000 Desiccant Dehumidifier For Emergency Clean-up	17,095.05	
02 90 55 00-0275	DAY	D-4500 Desiccant Dehumidifier For Emergency Clean-up	2,564.26	
02 90 55 00-0276	WK	D-4500 Desiccant Dehumidifier For Emergency Clean-up	7,051.71	
02 90 55 00-0277	MO	D-4500 Desiccant Dehumidifier For Emergency Clean-up	19,231.93	
02 90 55 00-0278	DAY	D-5000 Desiccant Dehumidifier For Emergency Clean-up	2,754.20	
02 90 55 00-0279	WK	D-5000 Desiccant Dehumidifier For Emergency Clean-up	7,574.06	
02 90 55 00-0280	MO	D-5000 Desiccant Dehumidifier For Emergency Clean-up	20,656.52	
02 90 55 00-0281	DAY	D-9000 Desiccant Dehumidifier For Emergency Clean-up	3,618.00	
02 90 55 00-0282	WK	D-9000 Desiccant Dehumidifier For Emergency Clean-up	9,949.50	
02 90 55 00-0283	MO	D-9000 Desiccant Dehumidifier For Emergency Clean-up	27,135.00	
02 90 55 00-0284	DAY	D-10500 Desiccant Dehumidifier For Emergency Clean-up	3,798.90	
02 90 55 00-0285	WK	D-10500 Desiccant Dehumidifier For Emergency Clean-up	10,446.98	
02 90 55 00-0286	MO	D-10500 Desiccant Dehumidifier For Emergency Clean-up	28,491.75	
02 90 55 00-0287	DAY	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	617.32	
02 90 55 00-0288	WK	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,697.63	
02 90 55 00-0289	MO	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	4,629.91	
02 90 55 00-0290	DAY	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	854.75	
02 90 55 00-0291	WK	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,350.57	
02 90 55 00-0292	MO	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,410.64	
02 90 55 00-0293	DAY	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,139.67	
02 90 55 00-0294	WK	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	3,134.09	
02 90 55 00-0295	MO	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	8,547.52	
02 90 55 00-0296	DAY	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,519.56	
02 90 55 00-0297	WK	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	4,178.79	
02 90 55 00-0298	MO	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	11,396.70	
02 90 55 00-0299	DAY	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,564.26	
02 90 55 00-0300	WK	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	7,051.71	
02 90 55 00-0301	MO	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	19,231.93	
02 90 55 00-0302	DAY	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,849.18	
02 90 55 00-0303	WK	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	7,835.23	
02 90 55 00-0304	MO	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	21,368.81	
02 90 55 00-0305	DAY	25' Flex Duct For Emergency Clean-up	37.99	
02 90 55 00-0306	WK	25' Flex Duct For Emergency Clean-up	104.47	
02 90 55 00-0307	MO	25' Flex Duct For Emergency Clean-up	284.92	
02 90 55 00-0308	DAY	Hygrothermograph For Emergency Clean-up	56.48	
02 90 55 00-0309	WK	Hygrothermograph For Emergency Clean-up	155.31	
02 90 55 00-0310	MO	Hygrothermograph For Emergency Clean-up	423.56	
02 90 55 00-0311	DAY	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up	8,938.06	
		Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 55 00-0312	WK	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up	24,579.66	
		Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 55 00-0313	MO	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up	67,035.45	
		Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		

**02 90 55 00-0314 Power Equipment** (02 90 55 00-0022)

02 90 55 00-0315	WK	Up to 65 KVA Generator For Emergency Clean-up	1,175.85	
02 90 55 00-0316	WK	>65 to 125 KVA Generator For Emergency Clean-up	1,989.90	
02 90 55 00-0317	WK	>125 to 250 KVA Generator For Emergency Clean-up	1,940.84	
02 90 55 00-0318	WK	>250 to 375 KVA Generator For Emergency Clean-up	3,346.65	
02 90 55 00-0319	WK	>375 Up to 440 KVA Generator For Emergency Clean-up	4,522.50	
02 90 55 00-0320	WK	>440 to 625 KVA Generator For Emergency Clean-up	6,809.95	
02 90 55 00-0321	WK	>625 to 800 KVA Generator For Emergency Clean-up	6,964.65	
02 90 55 00-0322	WK	>800 to 1,000 KVA Generator For Emergency Clean-up	9,316.35	
02 90 55 00-0323	WK	>1,000 to 1,500 KVA Generator For Emergency Clean-up	14,019.75	
02 90 55 00-0324	EA	Generator Cable/Pigtails (Per Section) For Emergency Clean-up	30.39	
02 90 55 00-0325	EA	Sub-Distribution Panel (Spider Box) For Emergency Clean-up	145.62	
02 90 55 00-0326	EA	Electrical Distribution Panel For Emergency Clean-up	351.86	
02 90 55 00-0327	EA	Quad Box Strings (25' Sections) For Emergency Clean-up	54.72	
02 90 55 00-0328	EA	50' Power Cord For Spider Box For Emergency Clean-up	50.65	
02 90 55 00-0329	EA	Pig Tails (Per Each) For Emergency Clean-up	5.65	

**02 90 55 00-0330 Freight Charges** (02 90 55 00-0022)

02 90 55 00-0331	MI	Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment	2.82	
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 90 55 00-0332	MI		Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment .....	5.08	
02 90 55 00-0333	MI		Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment .....	5.08	
02 90 55 00-0334	MI		Freight Tractor Trailer For Emergency Clean-up Equipment .....	7.34	

**02 90 55 00-0335 Emergency Clean-up Personal Protection Equipment** (02 90 55 00-0001)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0336	EA		Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment .....	15.72	
02 90 55 00-0337	EA		Respirator Cartridge For Emergency Clean-up Personal Protection Equipment .....	54.92	
02 90 55 00-0338	BOX		Dust Mask For Emergency Clean-up Personal Protection Equipment.....	61.23	
02 90 55 00-0339	PR		Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment.....	4.22	
02 90 55 00-0340	BOX		5 Mil, Disposable Latex Gloves, Box of 100, For Emergency Clean-up Personal Protection Equipment .....	28.49	
02 90 55 00-0341	PR		Leather Gloves For Emergency Clean-up Personal Protection Equipment .....	14.25	
02 90 55 00-0342	EA		Heavy Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment .....	24.33	
02 90 55 00-0343	PR		Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment .....	16.71	
02 90 55 00-0344	EA		Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment .....	120.96	
02 90 55 00-0345	PR		Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment.....	7.32	
02 90 55 00-0346	EA		Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment .....	9.50	

**02 90 55 00-0347 Emergency Clean-up Expendables** (02 90 55 00-0001)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

**02 90 55 00-0348 General Materials** (02 90 55 00-0347)

02 90 55 00-0349	GAL		Adhesive Remover For Emergency Clean-up.....	113.97	
02 90 55 00-0350	GAL		Bioside-HS Cleaning Solution For Emergency Clean-up.....	38.51	
02 90 55 00-0351	GAL		Biocide Mold Cleaning Solution For Emergency Clean-up .....	49.14	
02 90 55 00-0352	EA		10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up.....	6.01	
02 90 55 00-0353	EA		10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up .....	9.12	
02 90 55 00-0354	EA		10" x 15" x 24" Cardboard Storage Box For Emergency Clean-up .....	9.12	
02 90 55 00-0355	GAL		Bleach For Emergency Clean-up.....	12.26	
02 90 55 00-0356	EA		Small Stainless Brush For Emergency Clean-up.....	7.51	
02 90 55 00-0357	EA		2-1/2 Gallon Buckets For Emergency Clean-up.....	9.54	
02 90 55 00-0358	EA		5 Gallon Bucket For Emergency Clean-up.....	14.46	
02 90 55 00-0359	GAL		Carpet Defoamer For Emergency Clean-up .....	37.19	
02 90 55 00-0360	GAL		Carpet Pre-treat For Emergency Clean-up .....	27.77	
02 90 55 00-0361	GAL		Carpet Spotter For Emergency Clean-up .....	46.54	
02 90 55 00-0362	GAL		Carpet/Upholstery Cleaner For Emergency Clean-up .....	37.53	
02 90 55 00-0363	ROL		Carpet Masking/Shield For Emergency Clean-up.....	104.13	
02 90 55 00-0364	EA		Chemical Sponge For Emergency Clean-up.....	4.49	
02 90 55 00-0365	GAL		Clear Seal For Emergency Clean-up.....	153.23	
02 90 55 00-0366	GAL		Coil Cleaner For Emergency Clean-up.....	71.69	
02 90 55 00-0367	EA		Comfort Masks, Per Box 50 For Emergency Clean-up Personal Protection Equipment .....	52.69	
02 90 55 00-0368	EA		Hooded Coverall With Elastic Wrists/Ankles For Emergency Clean-up Personal Protection Equipment.....	23.30	
02 90 55 00-0369	EA		Decontamination Chamber For Emergency Clean-up .....	311.51	
02 90 55 00-0370	GAL		All Purpose Degreaser For Emergency Clean-up .....	50.15	
02 90 55 00-0371	GAL		Heavy Duty Degreaser For Emergency Clean-up.....	60.54	
02 90 55 00-0372	GAL		De-Foamer Liquid For Emergency Clean-up.....	65.91	
02 90 55 00-0373	EA		Deodorization Membrane For Emergency Clean-up.....	129.50	
02 90 55 00-0374	GAL		9-D-9 Smoke Deodorizer For Emergency Clean-up .....	197.01	
02 90 55 00-0375	LB		Deodorizing Gel For Emergency Clean-up .....	46.28	
02 90 55 00-0376	GAL		Deodorizing Liquid For Emergency Clean-up.....	68.67	
02 90 55 00-0377	PAIL		Deodorizing Block For Emergency Clean-up.....	11.64	
02 90 55 00-0378	GAL		Disinfectant/Antimicrobial For Emergency Clean-up.....	120.09	
02 90 55 00-0379	GAL		BruClean Disinfectant For Emergency Clean-up .....	36.47	
02 90 55 00-0380	GAL		Dryclean For Emergency Clean-up.....	53.96	
02 90 55 00-0381	GAL		Duct Sealant Spray For Emergency Clean-up.....	81.32	
02 90 55 00-0382	GAL		Antifungal Duct Sealant For Emergency Clean-up .....	117.47	
02 90 55 00-0383	GAL		Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up .....	177.66	
02 90 55 00-0384	PR		Ear Plugs For Emergency Clean-up Personal Protection Equipment .....	0.73	
02 90 55 00-0385	GAL		Encapsulant For Emergency Clean-up.....	123.10	
02 90 55 00-0386	GAL		Aftershock Fiberlocke For Emergency Clean-up .....	108.09	
02 90 55 00-0387	GAL		IAQ 2500 Fiberlocke For Emergency Clean-up .....	139.48	
02 90 55 00-0388	GAL		IAS 6000 Fiberlocke For Emergency Clean-up.....	143.46	
02 90 55 00-0389	ROL		Filter Material For Emergency Clean-up .....	279.38	
02 90 55 00-0390	EA		Blue Paper Collection Bag Filter For Emergency Clean-up .....	7.53	
02 90 55 00-0391	EA		CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up .....	597.55	
02 90 55 00-0392	EA		Pre-Filter For Negative Air Machine For Emergency Clean-up.....	2.87	
02 90 55 00-0393	EA		Pleated Filter For Negative Air Machine For Emergency Clean-up .....	12.76	
02 90 55 00-0394	EA		Charcoal Filter For Negative Air Machine For Emergency Clean-up .....	45.44	
02 90 55 00-0395	EA		High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up.....	432.19	
02 90 55 00-0396	EA		Pleated Dehumidifier Filter For Emergency Clean-up.....	11.40	
02 90 55 00-0397	GAL		Floor Stripper For Emergency Clean-up .....	25.30	
02 90 55 00-0398	GAL		Floor Wax For Emergency Clean-up .....	36.14	
02 90 55 00-0399	GAL		Fogger (Thermal) For Emergency Clean-up.....	208.95	
02 90 55 00-0400	BOX		Furniture Blocks For Emergency Clean-up.....	168.29	
02 90 55 00-0401	EA		Furniture Polish, Per 10 Oz Can For Emergency Clean-up.....	22.68	
02 90 55 00-0402	GAL		Glass Cleaner For Emergency Clean-up .....	15.12	
02 90 55 00-0403	PR		Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment .....	27.56	

**02 Existing Conditions****02 90 Disaster Recovery****02 90 55 Emergency Clean-up**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

02 90 55 00-0404	EA	Goof Off Spray, 12 Oz For Emergency Clean-up	18.09
02 90 55 00-0405	EA	Halogen Light Bulbs For Emergency Clean-up	25.81
02 90 55 00-0406	QT	Hand Sanitizer For Emergency Clean-up	12.76
02 90 55 00-0407	EA	Hard Hats For Emergency Clean-up Personal Protection Equipment	10.50
02 90 55 00-0408	BOX	Hog Rings, Box Of 2,500 For Emergency Clean-up	22.04
02 90 55 00-0409	GAL	HVAC Coal Cleaner For Emergency Clean-up	71.69
02 90 55 00-0410	BOX	Inventory Tag, Box Of 1,000 For Emergency Clean-up	155.04
02 90 55 00-0411	EA	Utility Knives For Emergency Clean-up	19.88
02 90 55 00-0412	ROL	13" Lay Flat Tubing (250' Roll) For Emergency Clean-up	133.00
02 90 55 00-0413	ROL	20" Lay Flat Tubing (250' Roll) For Emergency Clean-up	140.41
02 90 55 00-0414	ROL	29" Lay Flat Tubing (250' Roll) For Emergency Clean-up	279.56
02 90 55 00-0415	ROL	39" Lay Flat Tubing (250' Roll) For Emergency Clean-up	404.07
02 90 55 00-0416	GAL	Lemon Oil For Emergency Clean-up	60.78
02 90 55 00-0417	GAL	LPS 1/Mecca Lube For Emergency Clean-up	65.67
02 90 55 00-0418	GAL	LPS 2 For Emergency Clean-up	69.50
02 90 55 00-0419	GAL	LPS Contact Cleaner For Emergency Clean-up	69.18
02 90 55 00-0420	GAL	Light Lubricant Preserve For Emergency Clean-up	161.84
02 90 55 00-0421	GAL	Heavy Lubricant Preserver For Emergency Clean-up	36.14
02 90 55 00-0422	GAL	Machinery Cleaning Solvent For Emergency Clean-up	291.00
02 90 55 00-0423	GAL	Metal Polishing Paste For Emergency Clean-up	29.96
02 90 55 00-0424	GAL	MediClean® Disinfectant For Emergency Clean-up	73.05
02 90 55 00-0425	GAL	Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up	89.66
02 90 55 00-0426	EA	Mop Heads For Emergency Clean-up	10.80
02 90 55 00-0427	EA	Nylon Scouring Pads For Emergency Clean-up	1.99
02 90 55 00-0428	GAL	Odor Neutralizer For Emergency Clean-up	46.54
02 90 55 00-0429	EA	Packing Paper, 25 LB Bundle For Emergency Clean-up	80.62
02 90 55 00-0430	EA	Paint Brushes For Emergency Clean-up	9.04
02 90 55 00-0431	ROL	Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up	188.02
02 90 55 00-0432	EA	Putty Knives For Emergency Clean-up	8.19
02 90 55 00-0433	ROL	Red Resin Paper, 200' Roll For Emergency Clean-up	41.03
02 90 55 00-0434	GAL	Reodorant For Emergency Clean-up	153.61
02 90 55 00-0435	EA	N95 Respirator For Emergency Clean-up Personal Protection Equipment	5.25
02 90 55 00-0436	EA	N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment	8.17
02 90 55 00-0437	PR	3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	54.79
02 90 55 00-0438	PR	P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	54.79
02 90 55 00-0439	EA	Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment	43.84
02 90 55 00-0440	GAL	Restoracide For Emergency Clean-up	72.05
02 90 55 00-0441	GAL	Rust Remover For Emergency Clean-up	106.37
02 90 55 00-0442	EA	Saltesmo Test Samples For Emergency Clean-up	9.88
02 90 55 00-0443	EA	Sand Bag For Emergency Clean-up Note: Excludes sand material	2.59
02 90 55 00-0444	EA	Scotch-Brite 7447, Per Box 50 For Emergency Clean-up	32.29
02 90 55 00-0445	EA	Small Scrub Brushes For Emergency Clean-up	17.26
02 90 55 00-0446	GAL	Clear Soot Sealant For Emergency Clean-up	123.36
02 90 55 00-0447	GAL	Pigmented Soot Sealant For Emergency Clean-up	332.68
02 90 55 00-0448	ROL	Shrinkwrap Plastic For Emergency Clean-up	76.59
02 90 55 00-0449	EA	Dry Sponges For Emergency Clean-up	6.01
02 90 55 00-0450	EA	Spray Adhesive, Per Can For Emergency Clean-up	7.99
02 90 55 00-0451	EA	Spray Bot./Trigger For Emergency Clean-up	6.98
02 90 55 00-0452	GAL	Stain Remover For Emergency Clean-up	42.04
02 90 55 00-0453	GAL	Stainless Steel Cleaner For Emergency Clean-up	15.05
02 90 55 00-0454	EA	Stainless Steel Polish, Per Can For Emergency Clean-up	19.75
02 90 55 00-0455	LB	Sweeping Compound For Emergency Clean-up	0.66
02 90 55 00-0456	ROL	Duct Tape, 2" x 50 YD For Emergency Clean-up	15.63
02 90 55 00-0457	ROL	Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up	14.70
02 90 55 00-0458	ROL	HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up	39.76
02 90 55 00-0459	ROL	Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up	20.93
02 90 55 00-0460	ROL	Poly Box Tape, 2" x 110 YD For Emergency Clean-up	6.45
02 90 55 00-0461	LB	Terry Towels For Emergency Clean-up	9.31
02 90 55 00-0462	GAL	Thermal Fog For Emergency Clean-up	94.58
02 90 55 00-0463	ROL	1.7 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	48.63
02 90 55 00-0464	ROL	3 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	119.73
02 90 55 00-0465	ROL	4 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	153.61
02 90 55 00-0466	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	193.92
02 90 55 00-0467	EA	Trisodium Phosphate, 20 LB Pail For Emergency Clean-up	65.94
02 90 55 00-0468	EA	Backpack Vacuum Bags For Emergency Clean-up	2.22
02 90 55 00-0469	EA	Upright Vacuum Bags For Emergency Clean-up	2.96
02 90 55 00-0470	GAL	Vinyl And Leather Cleaner For Emergency Clean-up	37.53
02 90 55 00-0471	ROL	1 Mil Visqueen, 12' x 400', For Emergency Clean-up	63.00
02 90 55 00-0472	ROL	4 Mil Visqueen, 32' x 100', For Emergency Clean-up	171.06
02 90 55 00-0473	ROL	6 Mil Visqueen, 32' x 400', For Emergency Clean-up	233.40
02 90 55 00-0474	LB	Wipes, Cotton Cloth For Emergency Clean-up	6.61
02 90 55 00-0475	ROL	12" x 750', Wrap, Bubble/Anti-Static For Emergency Clean-up	192.12
02 90 55 00-0476	EA	Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up	18.77
02 90 55 00-0477	EA	Zip Wall Zippers For Emergency Clean-up	29.16
02 90 55 00-0478	EA	Absorbent Matt Roll For Oil And Other Liquids - 15" Wide x 50' Roll Note: 3.3 gallon volume absorption capacity per roll	32.55
02 90 55 00-0479	EA	Oil Only Sorbent Pads - 15" x 19", Light, Package Of 100 Note: 26 OZ volume absorption capacity per pad	48.83
02 90 55 00-0480	EA	Oil Only Sorbent Pads - 15" x 19", Medium, Package Of 100 Note: 33 OZ volume absorption capacity per pad	51.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0481 EA Oil Only Sorbent Pads - 15" x 19", Heavy, Package Of 100 ..... Note: 45 OZ volume absorption capacity per pad	84.00	
<b>02 90 55 00-0482</b> <b>Technical/Electronics Restoration Materials</b> <small>(02 90 55 00-0347)</small>		
02 90 55 00-0483 EA Brush - Brass For Emergency Clean-up .....	6.78	
02 90 55 00-0484 EA 1" Brush, Natural Bristle For Emergency Clean-up.....	2.17	
02 90 55 00-0485 EA 1/2" Brush, Natural Bristle For Emergency Clean-up.....	1.81	
02 90 55 00-0486 EA 1/4" Brush, Natural Bristle For Emergency Clean-up.....	1.54	
02 90 55 00-0487 EA Brush - Parts For Emergency Clean-up.....	9.40	
02 90 55 00-0488 EA Brush - Plastic For Emergency Clean-up.....	4.88	
02 90 55 00-0489 EA Brush - Wire Grout For Emergency Clean-up.....	9.85	
02 90 55 00-0490 EA Brushing Tool For Emergency Clean-up.....	19.00	
02 90 55 00-0491 EA Cleaning Swabs, Cotton For Emergency Clean-up .....	0.45	
02 90 55 00-0492 EA Cleaning Swabs, Foam Tip For Emergency Clean-up.....	0.54	
02 90 55 00-0493 EA Contact Restorer, Per Can For Emergency Clean-up.....	41.09	
02 90 55 00-0494 EA Contact Spray, Per Can For Emergency Clean-up.....	27.96	
02 90 55 00-0495 UNT Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up .....	4.34	
02 90 55 00-0496 UNT Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up .....	12.42	
02 90 55 00-0497 UNT Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up .....	16.10	
02 90 55 00-0498 LB Cotton Cleaning Cloths For Emergency Clean-up.....	25.41	
02 90 55 00-0499 EA 12" x 17" Dust Cloths For Emergency Clean-up.....	0.40	
02 90 55 00-0500 EA 24" x 24" Dust Cloths For Emergency Clean-up.....	1.11	
02 90 55 00-0501 EA Deoxidizing Agent, Per Can For Emergency Clean-up.....	19.91	
02 90 55 00-0502 GAL Electronic Grade Detergent For Emergency Clean-up .....	42.22	
02 90 55 00-0503 SHT Inventory Labels For Emergency Clean-up.....	0.23	
02 90 55 00-0504 GAL Isopropyl Alcohol For Emergency Clean-up.....	111.89	
02 90 55 00-0505 GAL Lubrication/Penetrating Oil, Per Can For Emergency Clean-up.....	163.19	
02 90 55 00-0506 GAL PC Board Detergent For Emergency Clean-up.....	116.06	
02 90 55 00-0507 GAL Rust Inhibitor, Regular Duty For Emergency Clean-up.....	188.05	
02 90 55 00-0508 GAL Rust Inhibitor, Moderate Duty For Emergency Clean-up .....	189.46	
02 90 55 00-0509 GAL Rust Inhibitor, Severe Duty For Emergency Clean-up.....	202.51	
02 90 55 00-0510 LB Wipes, Lint Free Cloths For Emergency Clean-up.....	7.11	
02 90 55 00-0511 EA Wire Marker Card For Emergency Clean-up.....	3.16	
02 90 55 00-0512 EA Steel Wool, 16 Pad Sleeve For Emergency Clean-up .....	1.59	

**END OF SECTION 02**

<b>02</b>	<b>02 Existing Conditions</b>
	02 90 Disaster Recovery
	02 90 55 Emergency Clean-up




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MINOR	TOTAL DIRECT
CSI UOM DESCRIPTION	UNIT COST DEMOLITION
	UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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### 03 Concrete

#### 03 01 Maintenance of Concrete (03)

#### 03 01 30 Maintenance of Cast-In-Place Concrete (03 01)

#### 03 01 30 51 **Cleaning of Cast-In-Place Concrete** (03 01 30)

##### 03 01 30 51-0001 **Abrasive Blasting** (03 01 30 51)

Note: Includes containment and clean-up of all material. Includes steel ball media.

03 01 30 51-0002	SF	Concrete Floors, Abrasive Shot (Bead) Blasting.....	3.37
		<i>For Up To 100, Add</i>	2.88
		<i>For &gt;100 To 250, Add</i>	0.72
		<i>For &gt;250 To 500, Add</i>	0.36
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07
		<i>For &gt;10,000, Deduct</i>	-0.14
03 01 30 51-0003	SF	Concrete Walls, Abrasive Shot (Bead) Blasting.....	4.79
		<i>For Up To 100, Add</i>	5.72
		<i>For &gt;100 To 250, Add</i>	1.43
		<i>For &gt;250 To 500, Add</i>	0.72
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.14
		<i>For &gt;10,000, Deduct</i>	-0.29

#### 03 01 30 71 **Rehabilitation of Cast-In-Place Concrete** (03 01 30)

##### 03 01 30 71-0001 **Concrete Resurfacing/Repair** (03 01 30 71)

See CSI section 09 01 90 52-0002 for surface preparation as required.

##### 03 01 30 71-0002 **Spall Concrete Repair** (03 01 30 71-0001)

Note: Includes removal of defective concrete with chipping hammers, water blasting, cleaning of rebar, formwork, cementitious mortar, curing, and finishing.

03 01 30 71-0003	SF	Spall Concrete Repair, Up To 3/4" Deep On Vertical/Overhead Surfaces.....	81.98
		<i>For Up To 100, Add</i>	57.74
		<i>For &gt;100 To 250, Add</i>	28.87
03 01 30 71-0004	SF	Spall Concrete Repair, >3/4" To 1-1/2" Deep On Vertical/Overhead Surfaces.....	95.53
		<i>For Up To 100, Add</i>	64.15
		<i>For &gt;100 To 250, Add</i>	32.07
03 01 30 71-0005	SF	Spall Concrete Repair, >1-1/2" To 3" Deep On Vertical/Overhead Surfaces.....	143.30
		<i>For Up To 100, Add</i>	96.23
		<i>For &gt;100 To 250, Add</i>	48.11
03 01 30 71-0006	SF	Spall Concrete Repair, >3" To 4" Deep On Vertical/Overhead Surfaces.....	186.77
		<i>For Up To 100, Add</i>	125.09
		<i>For &gt;100 To 250, Add</i>	62.54
03 01 30 71-0007	SF	Spall Concrete Repair, Up To 3/4" Deep On Floor Surfaces.....	58.89
		<i>For Up To 100, Add</i>	40.42
		<i>For &gt;100 To 250, Add</i>	20.21
03 01 30 71-0008	SF	Spall Concrete Repair, >3/4" To 1-1/2" Deep On Floor Surfaces.....	69.87
		<i>For Up To 100, Add</i>	44.90
		<i>For &gt;100 To 250, Add</i>	22.45
03 01 30 71-0009	SF	Spall Concrete Repair, >1-1/2" To 3" Deep On Floor Surfaces.....	104.81
		<i>For Up To 100, Add</i>	67.36
		<i>For &gt;100 To 250, Add</i>	33.68
03 01 30 71-0010	SF	Spall Concrete Repair, >3" To 4" Deep On Floor Surfaces.....	136.74
		<i>For Up To 100, Add</i>	87.56
		<i>For &gt;100 To 250, Add</i>	43.78

##### 03 01 30 71-0011 **Concrete Cleaning** (03 01 30 71-0001)

03 01 30 71-0012	SF	Clean Calcite/Staining On Concrete.....	21.42
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##### 03 01 30 71-0013 **Concrete Repair** (03 01 30 71-0001)

##### 03 01 30 71-0014 **Decks Or Floors** (03 01 30 71-0013)

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0015	SF	Patch Decks Or Floors With 1/8" To 1/4" Thick Cementitious Mortar.....	6.30
03 01 30 71-0016	SF	Patch Decks Or Floors With 1/8" To 1/4" Thick Epoxy Cementitious Mortar.....	20.51
03 01 30 71-0017	SF	Patch Decks Or Floors With White Aluminum Oxide Grit (Non Slip Aggregate).....	0.57

##### 03 01 30 71-0018 **Verticals Or Overheads** (03 01 30 71-0013)

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0019	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Cementitious Mortar.....	9.40
03 01 30 71-0020	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Epoxy Cementitious Mortar.....	27.67
03 01 30 71-0021	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Latex Cementitious Mortar.....	31.27
03 01 30 71-0022	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Elastomeric Compound.....	8.50
03 01 30 71-0023	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Copolymer Cementitious Compound.....	15.10

Note: Rapid Set - WunderFixx

##### 03 01 30 71-0024 **Bridge Deck Treatment** (03 01 30 71-0013)

**03 Concrete****03 01 Maintenance of Concrete****03 01 30 Maintenance of Cast-In-Place Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0025	SF		Sweep Bridge Deck .....	0.02	
03 01 30 71-0026	SF		Clean Bridge Deck .....	0.03	
03 01 30 71-0027	SF		Treat Bridge Deck With Methacrylate Resin Sealant .....	2.14	
<b>03 01 30 71-0028</b>			<b>Concrete Finishes</b> (03 01 30 71-0001)		
<b>03 01 30 71-0029</b>			<b>Concrete Patching</b> (03 01 30 71-0028)		
<b>03 01 30 71-0030</b>			<b>Walls</b> (03 01 30 71-0029)		
03 01 30 71-0031	BAG		Sika Top 111 Plus.....	166.07	
			Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar. Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 lbs. of 3/8" pea gravel).		
			For Up To 10, Add	61.48	
			For >10 To 25, Add	36.89	
			For >25 To 50, Add	24.59	
			For >50 To 75, Add	12.30	
03 01 30 71-0032	BAG		Sika Grout 212, 50 LB Bag.....	113.78	
			Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.		
			For Up To 10, Add	38.92	
			For >10 To 25, Add	23.35	
			For >25 To 50, Add	15.57	
			For >50 To 75, Add	7.78	
03 01 30 71-0033	EA		Sika Flex 1A, 10.3 Ounce Tube.....	37.89	
			Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.		
03 01 30 71-0034	BAG		Pea Gravel.....	28.99	
<b>03 01 30 71-0035</b>			<b>Crack Repair For Concrete</b> (03 01 30 71-0001)		
<b>03 01 30 71-0036</b>			<b>Non Structural Crack Repair For Concrete</b> (03 01 30 71-0035)		
<b>03 01 30 71-0037</b>			<b>Surface Applied, Non Structural Crack Repair For Concrete</b> (03 01 30 71-0036)		
			Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.		
03 01 30 71-0038	LF		Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	5.75	
			For V-Grooving Crack With Grinder, Add	4.57	
03 01 30 71-0039	LF		>1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	7.53	
			For V-Grooving Crack With Grinder, Add	4.46	
03 01 30 71-0040	LF		Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	5.88	
			For V-Grooving Crack With Grinder, Add	4.57	
03 01 30 71-0041	LF		>1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	7.80	
			For V-Grooving Crack With Grinder, Add	4.46	
03 01 30 71-0042	LF		Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	6.37	
			For V-Grooving Crack With Grinder, Add	4.57	
03 01 30 71-0043	LF		>1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	8.78	
			For V-Grooving Crack With Grinder, Add	4.46	
03 01 30 71-0044	LF		Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	6.72	
			For V-Grooving Crack With Grinder, Add	4.57	
03 01 30 71-0045	LF		>1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	9.49	
			For V-Grooving Crack With Grinder, Add	4.46	
<b>03 01 30 71-0046</b>			<b>Pressure Injected, Non Structural Crack Repair For Concrete</b> (03 01 30 71-0036)		
			Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0047	LF		Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570).....	27.24	
			For Cracks Accessible From Both Sides, Add	5.56	
<b>03 01 30 71-0048</b>			<b>Structural Crack Repair For Concrete</b> (03 01 30 71-0035)		
<b>03 01 30 71-0049</b>			<b>Surface Applied, Structural Crack Repair For Concrete</b> (03 01 30 71-0048)		
			Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.		
03 01 30 71-0050	LF		Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	6.81	
			For V-Grooving Crack With Grinder, Add	4.57	
03 01 30 71-0051	LF		>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	9.67	
			For V-Grooving Crack With Grinder, Add	4.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0052 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52).....	6.62	
<i>For V-Grooving Crack With Grinder, Add</i>	4.57	
03 01 30 71-0053 LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52).....	9.29	
<i>For V-Grooving Crack With Grinder, Add</i>	4.46	
03 01 30 71-0054 LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	8.21	
<i>For V-Grooving Crack With Grinder, Add</i>	4.57	
03 01 30 71-0055 LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	12.47	
<i>For V-Grooving Crack With Grinder, Add</i>	4.46	
<b>03 01 30 71-0056 Pressure Injected, Structural Crack Repair For Concrete</b> <small>(03 01 30 71-0048)</small>		
<small>Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.</small>		
03 01 30 71-0057 LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35).....	23.43	
<i>For Cracks Accessible From Both Sides, Add</i>	5.56	
03 01 30 71-0058 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52).....	23.24	
<i>For Cracks Accessible From Both Sides, Add</i>	5.56	
<b>03 01 30 71-0059 Carbon Fiber Strengthening System</b> <small>(03 01 30 71-0001)</small>		
<small>Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.</small>		
03 01 30 71-0060 SF Carbon Fiber Strengthening System For Concrete Beams, Per Layer .....	78.88	
<small>Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.</small>		
03 01 30 71-0061 SF Carbon Fiber Strengthening System For Concrete Columns, Per Layer .....	70.10	
<small>Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.</small>		
03 01 30 71-0062 SF Carbon Fiber Strengthening System For Concrete Ceiling Slabs, Per Layer.....	65.16	
<small>Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.</small>		
03 01 30 71-0063 SF Carbon Fiber Strengthening System For Walls, Per Layer .....	62.41	
<small>Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.</small>		
<b>03 01 30 72 Strengthening Of Cast-in-Place Concrete</b> <small>(03 01 30)</small>		
<b>03 01 30 72-0001 Concrete Surface Repairs</b> <small>(03 01 30 72)</small>		
03 01 30 72-0002 SF Sound The Concrete Surface To Locate Delaminated Areas .....	0.35	
<b>03 05 Common Work Results For Concrete</b> <small>(03)</small>		
<b>03 05 13 Concrete Admixtures</b> <small>(03 05)</small>		
<b>03 05 13 00-0001 Concrete Admixtures</b> <small>(03 05 13)</small>		
03 05 13 00-0002 CY Low Range Water Reducing (LRWR), Type A Concrete Admixture .....	6.48	
03 05 13 00-0003 CY Set Retarding, Type B Concrete Admixture .....	4.49	
03 05 13 00-0004 CY 1% Calcium Chloride Accelerating, Type C Concrete Admixture.....	6.98	
03 05 13 00-0005 CY 2% Calcium Chloride Accelerating, Type C Concrete Admixture.....	13.95	
03 05 13 00-0006 CY 1% Non-Chloride Accelerating, Type C Concrete Admixture.....	12.46	
03 05 13 00-0007 CY 2% Non-Chloride Accelerating, Type C Concrete Admixture.....	24.92	
03 05 13 00-0008 CY Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture .....	5.38	
03 05 13 00-0009 CY 1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture.....	7.48	
03 05 13 00-0010 CY 2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture .....	14.95	
03 05 13 00-0011 CY Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture .....	5.79	
03 05 13 00-0012 CY High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture.....	11.96	
03 05 13 00-0013 CY 1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture .....	15.95	
03 05 13 00-0014 CY 25 LB/CY Steel Fibers, Concrete Admixture.....	37.71	
03 05 13 00-0015 CY 10% Microsilica (Silica Fume), Concrete Admixture .....	79.74	
03 05 13 00-0016 CY Corrosion Inhibiting Concrete Admixture .....	29.90	
03 05 13 00-0017 CY Winter Service Or Heat, Concrete Add.....	6.98	
03 05 13 00-0018 CY Chilled Water, Concrete Add .....	6.98	
03 05 13 00-0019 CY Subtle Color (See Davis Colors Color Card), Concrete Admixture .....	40.37	
03 05 13 00-0020 CY Standard Color (See Davis Colors Color Card), Concrete Admixture.....	67.28	
03 05 13 00-0021 CY Premium Color (See Davis Colors Color Card), Concrete Admixture .....	129.17	
03 05 13 00-0022 CY Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture .....	179.41	

**03 10 Concrete Forming and Accessories** (03)

**03 11 Concrete Forming** (03 10)

**03 11 13 Structural Cast-In-Place Concrete Forming** (03 11)

Note: Per square foot of formwork.

**03 Concrete****03 10 Concrete Forming and Accessories****03 11 Concrete Forming**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

03 11 13 00-0001	<b>Wood Formwork</b> <small>(03 11 13)</small> Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0002	<b>Foundation Wood Formwork</b> <small>(03 11 13 00-0001)</small> Note: For foundation work below or at grade.		
03 11 13 00-0003	SF Continuous Footings Foundation Wood Formwork.....	8.17	
	For <1,000, Add	1.49	
	For Foundations >8' Below Grade, Add	1.42	
	For Curved Formwork, Add	2.84	
03 11 13 00-0004	SF Pile Cap, Pier Or Spread Footings Foundation Wood Formwork.....	9.67	
	For <1,000, Add	1.79	
	For Foundations >8' Below Grade, Add	1.71	
	For Curved Formwork, Add	3.42	
03 11 13 00-0005	SF Mat Foundation Wood Formwork.....	11.14	
	For <1,000, Add	2.09	
	For Foundations >8' Below Grade, Add	2.01	
	For Curved Formwork, Add	4.03	
03 11 13 00-0006	SF Grade Beams Or Duct Bank Foundation Wood Formwork .....	9.38	
	For <1,000, Add	1.73	
	For Foundations >8' Below Grade, Add	1.66	
	For Curved Formwork, Add	3.32	
03 11 13 00-0007	SF Below Grade Walls Foundation Wood Formwork .....	13.31	
	Note: Excludes footing		
	For <1,000, Add	2.45	
	For Foundations >8' Below Grade, Add	2.35	
	For Curved Formwork, Add	4.70	
03 11 13 00-0008	<b>Slab Edge And Block-Out Wood Formwork</b> <small>(03 11 13 00-0001)</small>		
03 11 13 00-0009	LF Up To 6" High Slab Edge and Block-Out Wood Formwork .....	6.20	
	For Foundations >8' Below Grade, Add	1.13	
	For Curved Formwork, Add	2.26	
	For Up To 250, Add	1.17	
03 11 13 00-0010	LF >6" To 12" High Slab Edge and Block-Out Wood Formwork .....	9.01	
	For Foundations >8' Below Grade, Add	1.58	
	For Curved Formwork, Add	3.16	
	For Up To 250, Add	1.65	
03 11 13 00-0011	SF >12" High Slab Edge and Block-Out Wood Formwork .....	11.60	
	For Foundations >8' Below Grade, Add	2.05	
	For Curved Formwork, Add	4.09	
	For <1,000, Add	2.14	
03 11 13 00-0012	<b>Column Wood Formwork</b> <small>(03 11 13 00-0001)</small>		
03 11 13 00-0013	LF Up To 8" Square Column Wood Formwork.....	48.65	
03 11 13 00-0014	LF >8" To 12" Square Column Wood Formwork .....	71.59	
03 11 13 00-0015	LF >12" To 18" Square Column Wood Formwork .....	89.48	
03 11 13 00-0016	LF >18" To 24" Square Column Wood Formwork .....	127.18	
03 11 13 00-0017	LF >24" To 36" Square Column Wood Formwork .....	182.16	
03 11 13 00-0018	LF >36" To 48" Square Column Wood Formwork .....	239.66	
03 11 13 00-0019	<b>Above Grade Wall Wood Formwork</b> <small>(03 11 13 00-0001)</small>		
03 11 13 00-0020	SF Up To 8' High Above Grade Wall Wood Formwork.....	14.79	
	For Curved Formwork, Add	5.29	
	For <1,000, Add	2.75	
03 11 13 00-0021	SF >8' High Above Grade Wall Wood Formwork .....	17.49	
	For Curved Formwork, Add	6.28	
	For <1,000, Add	3.26	
03 11 13 00-0022	<b>Elevated Beam Wood Formwork</b> <small>(03 11 13 00-0001)</small> Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0023	SF Bottom of Elevated Beam Wood Formwork .....	19.19	
	For Curved Formwork, Add	6.88	
	For <1,000, Add	3.57	
03 11 13 00-0024	SF Vertical Sides of Elevated Beam Wood Formwork.....	12.26	
	For Curved Formwork, Add	4.40	
	For <1,000, Add	2.29	
03 11 13 00-0025	<b>Elevated Slab Wood Formwork</b> <small>(03 11 13 00-0001)</small> Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026	SF Elevated Slab Wood Formwork.....	11.58	
	For <1,000, Add	2.07	
03 11 13 00-0027	<b>Metal Framed Formwork</b> <small>(03 11 13)</small> Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>03 11 13 00-0028</b> <b>Foundation Metal Framed Formwork</b> <small>(03 11 13 00-0027)</small>		
Note: For foundation work below or at grade.		
03 11 13 00-0029    SF    Continuous Footings Foundation Metal Framed Formwork .....	7.13	
For <1,000, Add	1.32	
For Foundations >8' Below Grade, Add	1.26	
For Curved Formwork, Add	2.52	
03 11 13 00-0030    SF    Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork .....	7.92	
For <1,000, Add	1.47	
For Foundations >8' Below Grade, Add	1.41	
For Curved Formwork, Add	2.83	
03 11 13 00-0031    SF    Mat Foundation Metal Framed Formwork .....	8.86	
For <1,000, Add	1.63	
For Foundations >8' Below Grade, Add	1.56	
For Curved Formwork, Add	3.12	
03 11 13 00-0032    SF    Grade Beams Or Duct Bank Foundation Metal Framed Formwork .....	7.48	
For <1,000, Add	1.37	
For Foundations >8' Below Grade, Add	1.31	
For Curved Formwork, Add	2.63	
03 11 13 00-0033    SF    Below Grade Walls Foundation Metal Framed Formwork .....	11.40	
Note: Excludes footing.		
For <1,000, Add	2.13	
For Foundations >8' Below Grade, Add	2.05	
For Curved Formwork, Add	4.11	
<b>03 11 13 00-0034</b> <b>Slab Edge And Block-Out Metal Framed Formwork</b> <small>(03 11 13 00-0027)</small>		
03 11 13 00-0035    LF    Up To 6" High Slab Edge and Block-Out Metal Framed Formwork .....	5.14	
For Foundations >8' Below Grade, Add	1.00	
For Curved Formwork, Add	2.01	
For <250, Add	1.01	
03 11 13 00-0036    LF    >6" To 12" High Slab Edge and Block-Out Metal Framed Formwork .....	6.43	
For Foundations >8' Below Grade, Add	1.25	
For Curved Formwork, Add	2.49	
For <250, Add	1.26	
03 11 13 00-0037    SF    >12" High Slab Edge and Block-Out Metal Framed Formwork .....	7.12	
For Foundations >8' Below Grade, Add	1.38	
For Curved Formwork, Add	2.75	
For <1,000, Add	1.39	
<b>03 11 13 00-0038</b> <b>Column Metal Framed Formwork</b> <small>(03 11 13 00-0027)</small>		
<b>03 11 13 00-0039</b> <b>Square Columns</b> <small>(03 11 13 00-0038)</small>		
03 11 13 00-0040    LF    Up To 12" Square Column Metal Framed Formwork .....	43.53	
03 11 13 00-0041    LF    >12" To 16" Square Column Metal Framed Formwork .....	52.58	
03 11 13 00-0042    LF    >16" To 20" Square Column Metal Framed Formwork .....	61.66	
03 11 13 00-0043    LF    >20" To 24" Square Column Metal Framed Formwork .....	73.69	
03 11 13 00-0044    LF    >24" To 30" Square Column Metal Framed Formwork .....	88.77	
03 11 13 00-0045    LF    >30" To 36" Square Column Metal Framed Formwork .....	106.56	
03 11 13 00-0046    LF    >36" To 48" Square Column Metal Framed Formwork .....	136.71	
03 11 13 00-0047    LF    >48" To 60" Square Column Metal Framed Formwork .....	168.59	
<b>03 11 13 00-0048</b> <b>Round Columns</b> <small>(03 11 13 00-0038)</small>		
03 11 13 00-0049    LF    Up To 12" Diameter Column Metal Formwork .....	42.03	
03 11 13 00-0050    LF    >12" To 16" Diameter Column Metal Formwork .....	46.82	
03 11 13 00-0051    LF    >16" To 20" Diameter Column Metal Formwork .....	53.80	
03 11 13 00-0052    LF    >20" To 24" Diameter Column Metal Formwork .....	62.84	
03 11 13 00-0053    LF    >24" To 30" Diameter Column Metal Formwork .....	74.27	
03 11 13 00-0054    LF    >30" To 36" Diameter Column Metal Formwork .....	85.12	
03 11 13 00-0055    LF    >36" To 48" Diameter Column Metal Formwork .....	110.06	
03 11 13 00-0056    LF    >48" To 60" Diameter Column Metal Formwork .....	142.92	
<b>03 11 13 00-0057</b> <b>Above Grade Wall Metal Framed Formwork</b> <small>(03 11 13 00-0027)</small>		
03 11 13 00-0058    SF    Up to 8' High Above Grade Wall Metal Framed Formwork .....	6.98	
For Curved Formwork, Add	2.34	
For <1,000, Add	1.25	
03 11 13 00-0059    SF    >8' High Above Grade Wall Metal Framed Formwork .....	8.50	
For Curved Formwork, Add	2.82	
For <1,000, Add	1.51	
<b>03 11 13 00-0060</b> <b>Elevated Beam Metal Framed Formwork</b> <small>(03 11 13 00-0027)</small>		
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0061    SF    Bottom of Elevated Beam Metal Framed Formwork .....	7.09	
For Curved Formwork, Add	2.20	
For <1,000, Add	1.21	
03 11 13 00-0062    SF    Vertical Sides of Elevated Beam Metal Framed Formwork .....	5.19	
For Curved Formwork, Add	1.71	
For <1,000, Add	0.92	

**03 Concrete****03 10 Concrete Forming and Accessories****03 11 Concrete Forming**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

03 11 13 00-0063	<b>Elevated Slab Metal Framed Formwork</b> <small>(03 11 13 00-0027)</small>		
	Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0064	SF Elevated Slab Metal Framed Formwork.....	9.95	
	For <1,000, Add	1.49	
03 11 13 00-0065	<b>Fiber Tube Formwork</b> <small>(03 11 13)</small>		
	Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
03 11 13 00-0066	<b>Round Column Fiber Tube Formwork</b> <small>(03 11 13 00-0065)</small>		
03 11 13 00-0067	LF 6" Diameter Round Fiber Tube Formwork .....	18.32	
	For Plastic Lined, Add	0.72	
	For Columns >12' In Length, Add	1.83	
03 11 13 00-0068	LF 8" Diameter Round Fiber Tube Formwork .....	19.34	
	For Plastic Lined, Add	0.85	
	For Columns >12' In Length, Add	1.93	
03 11 13 00-0069	LF 10" Diameter Round Fiber Tube Formwork .....	21.36	
	For Plastic Lined, Add	0.98	
	For Columns >12' In Length, Add	2.14	
03 11 13 00-0070	LF 12" Diameter Round Fiber Tube Formwork .....	25.26	
	For Plastic Lined, Add	1.40	
	For Columns >12' In Length, Add	2.53	
03 11 13 00-0071	LF 14" Diameter Round Fiber Tube Formwork .....	28.62	
	For Plastic Lined, Add	1.91	
	For Columns >12' In Length, Add	2.86	
03 11 13 00-0072	LF 16" Diameter Round Fiber Tube Formwork .....	31.09	
	For Plastic Lined, Add	2.41	
	For Columns >12' In Length, Add	3.11	
03 11 13 00-0073	LF 18" Diameter Round Fiber Tube Formwork .....	32.69	
	For Plastic Lined, Add	2.62	
	For Columns >12' In Length, Add	3.27	
03 11 13 00-0074	LF 20" Diameter Round Fiber Tube Formwork .....	35.75	
	For Plastic Lined, Add	3.27	
	For Columns >12' In Length, Add	3.58	
03 11 13 00-0075	LF 22" Diameter Round Fiber Tube Formwork .....	39.23	
	For Plastic Lined, Add	3.94	
	For Columns >12' In Length, Add	3.92	
03 11 13 00-0076	LF 24" Diameter Round Fiber Tube Formwork .....	42.74	
	For Plastic Lined, Add	4.62	
	For Columns >12' In Length, Add	4.27	
03 11 13 00-0077	LF 26" Diameter Round Fiber Tube Formwork .....	44.63	
	For Plastic Lined, Add	5.04	
	For Columns >12' In Length, Add	4.46	
03 11 13 00-0078	LF 28" Diameter Round Fiber Tube Formwork .....	47.58	
	For Plastic Lined, Add	5.78	
	For Columns >12' In Length, Add	4.76	
03 11 13 00-0079	LF 30" Diameter Round Fiber Tube Formwork .....	50.75	
	For Plastic Lined, Add	6.58	
	For Columns >12' In Length, Add	5.08	
03 11 13 00-0080	LF 36" Diameter Round Fiber Tube Formwork .....	62.02	
	For Plastic Lined, Add	9.42	
	For Columns >12' In Length, Add	6.20	
03 11 13 00-0081	LF 42" Diameter Round Fiber Tube Formwork .....	85.24	
	For Plastic Lined, Add	16.00	
	For Columns >12' In Length, Add	8.52	
03 11 13 00-0082	LF 48" Diameter Round Fiber Tube Formwork .....	101.93	
	For Plastic Lined, Add	20.62	
	For Columns >12' In Length, Add	10.19	
03 11 13 00-0083	LF 54" Diameter Round Fiber Tube Formwork .....	170.87	
	For Plastic Lined, Add	40.67	
	For Columns >12' In Length, Add	17.09	
03 11 13 00-0084	LF 60" Diameter Round Fiber Tube Formwork .....	190.07	
	For Plastic Lined, Add	45.96	
	For Columns >12' In Length, Add	19.01	
03 11 13 00-0085	<b>Accessories For Formwork</b> <small>(03 11 13)</small>		
03 11 13 00-0086	<b>Keyway Forms, All Materials</b> <small>(03 11 13 00-0085)</small>		
03 11 13 00-0087	LF 2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials.....	2.23	
03 11 13 00-0088	<b>Chamfer Strips, All Materials</b> <small>(03 11 13 00-0085)</small>		
03 11 13 00-0089	LF 1/2" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.35	
03 11 13 00-0090	LF 3/4" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.74	
03 11 13 00-0091	LF 1" Wide Chamfer Strips for Concrete Formwork, All Materials.....	3.17	
03 11 13 00-0092	<b>Strip Out Reglets For Concrete Formwork</b> <small>(03 11 13 00-0085)</small>		
03 11 13 00-0093	LF 24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork.....	11.50	
03 11 13 00-0094	<b>Sleeves And Chases, Plastic Or Sheet Metal</b> <small>(03 11 13 00-0085)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0095 EA 2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	13.01	
03 11 13 00-0096 EA 4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	15.69	
03 11 13 00-0097 EA 6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	18.98	
03 11 13 00-0098 EA 8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	21.48	
03 11 13 00-0099 EA 12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	27.64	
03 11 13 00-0100 EA 18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	59.93	
<b>03 11 16 Architectural Cast-In-Place Concrete Forming (03 11)</b>		
<b>03 11 16 13 Concrete Form Liners (03 11 16)</b>		
<b>03 11 16 13-0001 Concrete Form Liners (03 11 16 13)</b>		
03 11 16 13-0002 SF Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork.....	5.47	
03 11 16 13-0003 SF Beveled Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork.....	7.15	
03 11 16 13-0004 SF Square Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork.....	9.39	
<b>03 11 23 Permanent Stair Forming (03 11)</b>		
<b>03 11 23 00-0001 Stairway Wood Formwork (03 11 23)</b>		
03 11 23 00-0002 SF Cast On Grade Stairway Wood Formwork.....	18.30	
For Curved Formwork, Add	6.95	
For <1,000, Add	3.54	
03 11 23 00-0003 SF Elevated Stairway Wood Formwork.....	36.56	
Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
For Curved Formwork, Add	13.60	
For <1,000, Add	6.97	
<b>03 11 23 00-0004 Stairway Metal Framed Formwork (03 11 23)</b>		
03 11 23 00-0005 SF Cast On Grade Stairway Metal Framed Formwork.....	14.94	
For Curved Formwork, Add	5.66	
For <1,000, Add	2.88	
03 11 23 00-0006 SF Elevated Stairway Metal Framed Formwork.....	27.79	
Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
For Curved Formwork, Add	10.53	
For <1,000, Add	5.36	
<b>03 15 Concrete Accessories (03 15)</b>		
<b>03 15 13 Waterstops (03 15)</b>		
<b>03 15 13 13 Non-Expanding Waterstops (03 15 13)</b>		
<b>03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops (03 15 13 13)</b>		
03 15 13 13-0002 LF 3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	8.41	
03 15 13 13-0003 LF 3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	9.41	
03 15 13 13-0004 LF 3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	11.21	
03 15 13 13-0005 LF 3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	12.24	
03 15 13 13-0006 LF 1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	17.87	
03 15 13 13-0007 LF 3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop.....	8.97	
03 15 13 13-0008 LF 3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop.....	11.31	
03 15 13 13-0009 LF 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop.....	19.42	
03 15 13 13-0010 LF 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	15.56	
<b>03 15 13 13-0011 Rubber Waterstops (03 15 13 13)</b>		
03 15 13 13-0012 LF 3/8" Thick x 6" Wide Rubber Dumbbell Waterstop.....	9.63	
03 15 13 13-0013 LF 3/8" Thick x 9" Wide Rubber Dumbbell Waterstop.....	11.07	
03 15 13 13-0014 LF 1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	10.09	
03 15 13 13-0015 LF 1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	13.86	
03 15 13 13-0016 LF 3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	11.47	
03 15 13 13-0017 LF 3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	14.70	
<b>03 15 13 16 Expanding Waterstops (03 15 13)</b>		
<b>03 15 13 16-0001 Bentonite Waterstops (03 15 13 16)</b>		
03 15 13 16-0002 LF 3/4" x 3/8" Bentonite Waterstop.....	7.36	
03 15 13 16-0003 LF 1-1/4" x 1/2" Bentonite Waterstop.....	11.12	
03 15 13 16-0004 LF 1" x 3/4" Bentonite Waterstop.....	12.45	
03 15 13 16-0005 LF 1" x 1" Bentonite Waterstop.....	14.02	
<b>03 15 16 Concrete Construction Joints (03 15)</b>		
<b>03 15 16 00-0001 Poured Expansion Joint (03 15 16)</b>		
03 15 16 00-0002 LF 1/2" x 1" Plain Asphalt Expansion Joint, Poured.....	3.00	0.79
For Installation In Walls, Add	1.33	
03 15 16 00-0003 LF 1" x 2" Plain Asphalt Expansion Joint, Poured.....	6.96	0.79
For Installation In Walls, Add	1.49	

**03 Concrete****03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0004 LF 1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied .....	2.71	0.79
For Installation In Walls, Add	1.33	
03 15 16 00-0005 LF 1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied .....	5.77	0.79
For Installation In Walls, Add	1.49	
03 15 16 00-0006 LF 1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts .....	3.74	0.79
For Installation In Walls, Add	1.49	
03 15 16 00-0007 LF 1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts .....	6.70	0.79
For Installation In Walls, Add	2.42	
03 15 16 00-0008 LF 1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied .....	3.36	0.79
For Installation In Walls, Add	1.33	
03 15 16 00-0009 LF 1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant .....	4.18	0.79
For Installation In Walls, Add	1.33	
03 15 16 00-0010 LF 1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant .....	11.20	0.79
For Installation In Walls, Add	1.49	
<b>03 15 16 00-0011 Premolded Expansion Joints (03 15 16)</b>		
<b>03 15 16 00-0012 Asphalt Saturated Fiber, Premolded Expansion Joints (03 15 16 00-0011)</b>		
03 15 16 00-0013 LF 1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.35	1.09
03 15 16 00-0014 LF 1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.70	1.15
03 15 16 00-0015 LF 1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.91	1.20
03 15 16 00-0016 LF 1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.14	1.25
03 15 16 00-0017 LF 3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.57	1.09
03 15 16 00-0018 LF 3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.87	1.15
03 15 16 00-0019 LF 3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.22	1.20
03 15 16 00-0020 LF 3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.73	1.25
03 15 16 00-0021 LF 1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.33	1.04
03 15 16 00-0022 LF 1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.53	1.09
03 15 16 00-0023 LF 1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.79	1.15
03 15 16 00-0024 LF 1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.99	1.20
03 15 16 00-0025 LF 1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.25	1.25
03 15 16 00-0026 LF 1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.61	1.31
03 15 16 00-0027 LF 1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.89	1.36
03 15 16 00-0028 LF 1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint .....	4.35	1.42
03 15 16 00-0029 LF 3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.80	1.15
03 15 16 00-0030 LF 3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.21	1.20
03 15 16 00-0031 LF 3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.93	1.31
03 15 16 00-0032 SF 1" Asphalt Saturated Fiber, Premolded Expansion Joint .....	6.78	1.80
<b>03 15 16 00-0033 Cork, Premolded Expansion Joints (03 15 16 00-0011)</b>		
03 15 16 00-0034 LF 1/2" x 4" Cork, Premolded Expansion Joint .....	4.01	1.15
03 15 16 00-0035 LF 1/2" x 6" Cork, Premolded Expansion Joint .....	4.51	1.25
03 15 16 00-0036 LF 1/2" x 8" Cork, Premolded Expansion Joint .....	4.90	1.31
03 15 16 00-0037 LF 1/2" x 10" Cork, Premolded Expansion Joint .....	6.85	1.36
03 15 16 00-0038 LF 1/2" x 12" Cork, Premolded Expansion Joint .....	7.28	1.42
03 15 16 00-0039 SF 1/2" Cork, Premolded Expansion Joint .....	8.05	1.80
03 15 16 00-0040 SF 3/4" Cork, Premolded Expansion Joint .....	9.33	1.80
03 15 16 00-0041 SF 1" Cork, Premolded Expansion Joint .....	9.91	1.80
<b>03 15 16 00-0042 Flexible Polyethylene Foam, Premolded Expansion Joints (03 15 16 00-0011)</b>		
03 15 16 00-0043 LF 1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint .....	2.56	1.15
03 15 16 00-0044 LF 1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint .....	2.67	1.20
03 15 16 00-0045 LF 1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint .....	2.82	1.25
03 15 16 00-0046 LF 1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint .....	3.27	1.31
03 15 16 00-0047 LF 1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint .....	2.63	1.15
03 15 16 00-0048 LF 1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint .....	2.75	1.20
03 15 16 00-0049 LF 1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint .....	2.87	1.25
03 15 16 00-0050 LF 1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint .....	3.15	1.31
<b>03 15 16 00-0051 Zip Strip, Premolded Expansion Joints (03 15 16 00-0011)</b>		
03 15 16 00-0052 LF 1" Zip Strip, Premolded Expansion Joint .....	2.59	1.15
03 15 16 00-0053 LF 1-1/2" Zip Strip, Premolded Expansion Joint .....	2.82	1.20
03 15 16 00-0054 LF 2" Zip Strip, Premolded Expansion Joint .....	3.14	1.31
<b>03 15 16 00-0055 Sponge Rubber, Premolded Expansion Joints (03 15 16 00-0011)</b>		
03 15 16 00-0056 LF 1/2" x 4" Sponge Rubber, Premolded Expansion Joint .....	4.46	1.09
03 15 16 00-0057 LF 1/2" x 6" Sponge Rubber, Premolded Expansion Joint .....	5.35	1.09
<b>03 15 16 00-0058 Asphalt Felt Control Joints Or Bond Breaker (03 15 16)</b>		
03 15 16 00-0059 SF Asphalt Felt Control Joint, 30 LB Felt Bond Breaker .....	1.24	0.82
>1,250, Deduct	-0.06	
03 15 16 00-0060 SF Asphalt Felt Control Joint, 15 LB Felt Bond Breaker .....	1.17	0.82
>1,250, Deduct	-0.06	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>03 15 16 00-0061</b> <b>Keyed Cold Expansion And Control Joints</b> <small>(03 15 16)</small>		
<b>03 15 16 00-0062</b> <b>24 Gauge Galvanized Steel With Stakes</b> <small>(03 15 16 00-0061)</small>		
03 15 16 00-0063    LF    24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint.....	6.22	
03 15 16 00-0064    LF    24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint.....	6.33	
03 15 16 00-0065    LF    24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint.....	6.56	
03 15 16 00-0066    LF    24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint.....	6.96	
03 15 16 00-0067    LF    24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint.....	8.66	
 <b>03 15 19</b> <b>Cast-In Concrete Anchors</b> <small>(03 15)</small>		
<b>03 15 19 00-0001</b> <b>Cast In Place Anchors</b> <small>(03 15 19)</small>		
Note: For cast in place installations. Includes nut and washer.		
<b>03 15 19 00-0002</b> <b>J-Type Anchor Bolts</b> <small>(03 15 19 00-0001)</small>		
See CSI section 03 11 13 00-0002 for template.		
<b>03 15 19 00-0003</b> <b>1/2" And 5/8" Diameter</b> <small>(03 15 19 00-0002)</small>		
03 15 19 00-0004    EA    1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	9.54	
For Galvanized, Add	1.68	
For Stainless Steel, Add	11.73	
For >10 To 50, Deduct	-0.31	
For >50 To 100, Deduct	-0.70	
For >100, Deduct	-1.41	
03 15 19 00-0005    EA    1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	10.94	
For Galvanized, Add	2.14	
For Stainless Steel, Add	14.95	
For >10 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.55	
03 15 19 00-0006    EA    1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	13.11	
For Galvanized, Add	2.95	
For Stainless Steel, Add	20.62	
For >10 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-0.87	
For >100, Deduct	-1.74	
03 15 19 00-0007    EA    5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	14.91	
For Galvanized, Add	3.85	
For Stainless Steel, Add	26.92	
For >10 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-0.91	
For >100, Deduct	-1.83	
03 15 19 00-0008    EA    5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	18.16	
For Galvanized, Add	5.14	
For Stainless Steel, Add	35.95	
For >10 To 50, Deduct	-0.39	
For >50 To 100, Deduct	-1.05	
For >100, Deduct	-2.09	
03 15 19 00-0009    EA    5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	20.40	
For Galvanized, Add	5.87	
For Stainless Steel, Add	41.06	
For >10 To 50, Deduct	-0.43	
For >50 To 100, Deduct	-1.16	
For >100, Deduct	-2.32	
 <b>03 15 19 00-0010</b> <b>3/4" And 7/8" Diameter</b> <small>(03 15 19 00-0002)</small>		
03 15 19 00-0011    EA    3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	20.32	
For Galvanized, Add	5.83	
For Stainless Steel, Add	40.78	
For >10 To 50, Deduct	-0.43	
For >50 To 100, Deduct	-1.16	
For >100, Deduct	-2.32	
03 15 19 00-0012    EA    3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	23.21	
For Galvanized, Add	6.79	
For Stainless Steel, Add	47.53	
For >10 To 50, Deduct	-0.48	
For >50 To 100, Deduct	-1.30	
For >100, Deduct	-2.61	
03 15 19 00-0013    EA    3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	28.23	
For Galvanized, Add	8.70	
For Stainless Steel, Add	60.87	
For >10 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.52	
For >100, Deduct	-3.04	
03 15 19 00-0014    EA    3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	34.06	
For Galvanized, Add	10.96	
For Stainless Steel, Add	76.72	
For >10 To 50, Deduct	-0.61	
For >50 To 100, Deduct	-1.76	
For >100, Deduct	-3.52	

**03 Concrete****03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 15 19 00-0015	EA 7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	26.76	
	For Galvanized, Add	7.96	
	For Stainless Steel, Add	55.72	
	For >10 To 50, Deduct	-0.54	
	For >50 To 100, Deduct	-1.48	
	For >100, Deduct	-2.96	
03 15 19 00-0016	EA 7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	31.46	
	For Galvanized, Add	9.54	
	For Stainless Steel, Add	66.75	
	For >10 To 50, Deduct	-0.62	
	For >50 To 100, Deduct	-1.72	
	For >100, Deduct	-3.43	
03 15 19 00-0017	EA 7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	39.87	
	For Galvanized, Add	12.71	
	For Stainless Steel, Add	88.97	
	For >10 To 50, Deduct	-0.72	
	For >50 To 100, Deduct	-2.08	
	For >100, Deduct	-4.16	
<b>03 15 19 00-0018</b>	<b>1" And 1-1/8" Diameter</b> <small>(03 15 19 00-0002)</small>		
03 15 19 00-0019	EA 1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	32.99	
	For Galvanized, Add	10.30	
	For Stainless Steel, Add	72.10	
	For >10 To 50, Deduct	-0.62	
	For >50 To 100, Deduct	-1.75	
	For >100, Deduct	-3.51	
03 15 19 00-0020	EA 1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	39.24	
	For Galvanized, Add	12.40	
	For Stainless Steel, Add	86.77	
	For >10 To 50, Deduct	-0.72	
	For >50 To 100, Deduct	-2.06	
	For >100, Deduct	-4.13	
03 15 19 00-0021	EA 1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	48.41	
	For Galvanized, Add	15.54	
	For Stainless Steel, Add	108.75	
	For >10 To 50, Deduct	-0.87	
	For >50 To 100, Deduct	-2.51	
	For >100, Deduct	-5.02	
03 15 19 00-0022	EA 1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	59.64	
	For Galvanized, Add	18.99	
	For Stainless Steel, Add	132.90	
	For >10 To 50, Deduct	-1.08	
	For >50 To 100, Deduct	-3.12	
	For >100, Deduct	-6.23	
03 15 19 00-0023	EA 1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	39.35	
	For Galvanized, Add	12.88	
	For Stainless Steel, Add	90.13	
	For >10 To 50, Deduct	-0.68	
	For >50 To 100, Deduct	-2.00	
	For >100, Deduct	-4.01	
03 15 19 00-0024	EA 1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	46.85	
	For Galvanized, Add	15.50	
	For Stainless Steel, Add	108.47	
	For >10 To 50, Deduct	-0.79	
	For >50 To 100, Deduct	-2.36	
	For >100, Deduct	-4.72	
03 15 19 00-0025	EA 1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	57.88	
	For Galvanized, Add	19.43	
	For Stainless Steel, Add	135.98	
	For >10 To 50, Deduct	-0.95	
	For >50 To 100, Deduct	-2.87	
	For >100, Deduct	-5.75	
03 15 19 00-0026	EA 1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	71.26	
	For Galvanized, Add	23.73	
	For Stainless Steel, Add	166.11	
	For >10 To 50, Deduct	-1.19	
	For >50 To 100, Deduct	-3.57	
	For >100, Deduct	-7.13	
<b>03 15 19 00-0027</b>	<b>1-1/4" And 1-1/2" Diameter</b> <small>(03 15 19 00-0002)</small>		
03 15 19 00-0028	EA 1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	47.25	
	For Galvanized, Add	16.10	
	For Stainless Steel, Add	112.67	
	For >10 To 50, Deduct	-0.75	
	For >50 To 100, Deduct	-2.31	
	For >100, Deduct	-4.62	
03 15 19 00-0029	EA 1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	56.30	
	For Galvanized, Add	19.37	
	For Stainless Steel, Add	135.59	
	For >10 To 50, Deduct	-0.88	
	For >50 To 100, Deduct	-2.72	
	For >100, Deduct	-5.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0030 EA 1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	69.66	
<i>For Galvanized, Add</i>	24.29	
<i>For Stainless Steel, Add</i>	170.00	
<i>For &gt;10 To 50, Deduct</i>	-1.05	
<i>For &gt;50 To 100, Deduct</i>	-3.32	
<i>For &gt;100, Deduct</i>	-6.65	
03 15 19 00-0031 EA 1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	85.67	
<i>For Galvanized, Add</i>	29.66	
<i>For Stainless Steel, Add</i>	207.62	
<i>For &gt;10 To 50, Deduct</i>	-1.32	
<i>For &gt;50 To 100, Deduct</i>	-4.12	
<i>For &gt;100, Deduct</i>	-8.24	
03 15 19 00-0032 EA 1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	57.12	
<i>For Galvanized, Add</i>	20.12	
<i>For Stainless Steel, Add</i>	140.81	
<i>For &gt;10 To 50, Deduct</i>	-0.84	
<i>For &gt;50 To 100, Deduct</i>	-2.69	
<i>For &gt;100, Deduct</i>	-5.39	
03 15 19 00-0033 EA 1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	68.12	
<i>For Galvanized, Add</i>	24.21	
<i>For Stainless Steel, Add</i>	169.47	
<i>For &gt;10 To 50, Deduct</i>	-0.99	
<i>For &gt;50 To 100, Deduct</i>	-3.18	
<i>For &gt;100, Deduct</i>	-6.36	
03 15 19 00-0034 EA 1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	84.37	
<i>For Galvanized, Add</i>	30.36	
<i>For Stainless Steel, Add</i>	212.52	
<i>For &gt;10 To 50, Deduct</i>	-1.18	
<i>For &gt;50 To 100, Deduct</i>	-3.88	
<i>For &gt;100, Deduct</i>	-7.77	
03 15 19 00-0035 EA 1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	103.71	
<i>For Galvanized, Add</i>	37.08	
<i>For Stainless Steel, Add</i>	259.56	
<i>For &gt;10 To 50, Deduct</i>	-1.48	
<i>For &gt;50 To 100, Deduct</i>	-4.81	
<i>For &gt;100, Deduct</i>	-9.62	
<b>03 15 19 00-0036 L-Type Anchor Bolts</b> <small>(03 15 19 00-0001)</small>		
See CSI section 03 11 13 00-0002 for template.		
<b>03 15 19 00-0037 3/4" And 7/8" Diameter</b> <small>(03 15 19 00-0036)</small>		
03 15 19 00-0038 EA 3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	18.54	
<i>For Galvanized, Add</i>	4.46	
<i>For Stainless Steel, Add</i>	31.19	
<i>For &gt;10 To 50, Deduct</i>	-0.48	
<i>For &gt;50 To 100, Deduct</i>	-1.19	
<i>For &gt;100, Deduct</i>	-2.37	
03 15 19 00-0039 EA 3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	21.84	
<i>For Galvanized, Add</i>	5.50	
<i>For Stainless Steel, Add</i>	38.50	
<i>For &gt;10 To 50, Deduct</i>	-0.54	
<i>For &gt;50 To 100, Deduct</i>	-1.36	
<i>For &gt;100, Deduct</i>	-2.72	
03 15 19 00-0040 EA 3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	25.00	
<i>For Galvanized, Add</i>	6.31	
<i>For Stainless Steel, Add</i>	44.14	
<i>For &gt;10 To 50, Deduct</i>	-0.62	
<i>For &gt;50 To 100, Deduct</i>	-1.55	
<i>For &gt;100, Deduct</i>	-3.11	
03 15 19 00-0041 EA 3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	27.55	
<i>For Galvanized, Add</i>	6.55	
<i>For Stainless Steel, Add</i>	45.85	
<i>For &gt;10 To 50, Deduct</i>	-0.72	
<i>For &gt;50 To 100, Deduct</i>	-1.77	
<i>For &gt;100, Deduct</i>	-3.55	
03 15 19 00-0042 EA 3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	31.09	
<i>For Galvanized, Add</i>	6.88	
<i>For Stainless Steel, Add</i>	48.13	
<i>For &gt;10 To 50, Deduct</i>	-0.87	
<i>For &gt;50 To 100, Deduct</i>	-2.08	
<i>For &gt;100, Deduct</i>	-4.16	
03 15 19 00-0043 EA 7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	21.88	
<i>For Galvanized, Add</i>	5.52	
<i>For Stainless Steel, Add</i>	38.64	
<i>For &gt;10 To 50, Deduct</i>	-0.54	
<i>For &gt;50 To 100, Deduct</i>	-1.36	
<i>For &gt;100, Deduct</i>	-2.72	
03 15 19 00-0044 EA 7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	25.26	
<i>For Galvanized, Add</i>	6.44	
<i>For Stainless Steel, Add</i>	45.05	
<i>For &gt;10 To 50, Deduct</i>	-0.62	
<i>For &gt;50 To 100, Deduct</i>	-1.56	
<i>For &gt;100, Deduct</i>	-3.12	

**03 Concrete****03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0045	EA		7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	29.20	
			<i>For Galvanized, Add</i>	7.38	
			<i>For Stainless Steel, Add</i>	51.63	
			<i>For &gt;10 To 50, Deduct</i>	-0.72	
			<i>For &gt;50 To 100, Deduct</i>	-1.81	
			<i>For &gt;100, Deduct</i>	-3.63	
03 15 19 00-0046	EA		7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	32.66	
			<i>For Galvanized, Add</i>	7.66	
			<i>For Stainless Steel, Add</i>	53.62	
			<i>For &gt;10 To 50, Deduct</i>	-0.87	
			<i>For &gt;50 To 100, Deduct</i>	-2.12	
			<i>For &gt;100, Deduct</i>	-4.23	
03 15 19 00-0047	EA		7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	37.76	
			<i>For Galvanized, Add</i>	8.05	
			<i>For Stainless Steel, Add</i>	56.32	
			<i>For &gt;10 To 50, Deduct</i>	-1.08	
			<i>For &gt;50 To 100, Deduct</i>	-2.57	
			<i>For &gt;100, Deduct</i>	-5.14	
<b>03 15 19 00-0048</b>			<b>1" And 1-1/8" Diameter</b> <small>(03 15 19 00-0036)</small> .....		
03 15 19 00-0049	EA		1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	26.55	
			<i>For Galvanized, Add</i>	7.08	
			<i>For Stainless Steel, Add</i>	49.56	
			<i>For &gt;10 To 50, Deduct</i>	-0.62	
			<i>For &gt;50 To 100, Deduct</i>	-1.59	
			<i>For &gt;100, Deduct</i>	-3.19	
03 15 19 00-0050	EA		1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	30.37	
			<i>For Galvanized, Add</i>	7.96	
			<i>For Stainless Steel, Add</i>	55.72	
			<i>For &gt;10 To 50, Deduct</i>	-0.72	
			<i>For &gt;50 To 100, Deduct</i>	-1.84	
			<i>For &gt;100, Deduct</i>	-3.69	
03 15 19 00-0051	EA		1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	35.15	
			<i>For Galvanized, Add</i>	8.91	
			<i>For Stainless Steel, Add</i>	62.34	
			<i>For &gt;10 To 50, Deduct</i>	-0.87	
			<i>For &gt;50 To 100, Deduct</i>	-2.18	
			<i>For &gt;100, Deduct</i>	-4.36	
03 15 19 00-0052	EA		1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	37.49	
			<i>For Galvanized, Add</i>	9.33	
			<i>For Stainless Steel, Add</i>	65.28	
			<i>For &gt;10 To 50, Deduct</i>	-0.94	
			<i>For &gt;50 To 100, Deduct</i>	-2.35	
			<i>For &gt;100, Deduct</i>	-4.70	
03 15 19 00-0053	EA		1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	41.20	
			<i>For Galvanized, Add</i>	9.77	
			<i>For Stainless Steel, Add</i>	68.36	
			<i>For &gt;10 To 50, Deduct</i>	-1.08	
			<i>For &gt;50 To 100, Deduct</i>	-2.66	
			<i>For &gt;100, Deduct</i>	-5.31	
03 15 19 00-0054	EA		1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	46.71	
			<i>For Galvanized, Add</i>	11.32	
			<i>For Stainless Steel, Add</i>	79.21	
			<i>For &gt;10 To 50, Deduct</i>	-1.20	
			<i>For &gt;50 To 100, Deduct</i>	-2.97	
			<i>For &gt;100, Deduct</i>	-5.95	
03 15 19 00-0055	EA		1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	55.38	
			<i>For Galvanized, Add</i>	13.25	
			<i>For Stainless Steel, Add</i>	92.72	
			<i>For &gt;10 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.55	
			<i>For &gt;100, Deduct</i>	-7.10	
03 15 19 00-0056	EA		1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	33.08	
			<i>For Galvanized, Add</i>	9.32	
			<i>For Stainless Steel, Add</i>	65.21	
			<i>For &gt;10 To 50, Deduct</i>	-0.72	
			<i>For &gt;50 To 100, Deduct</i>	-1.91	
			<i>For &gt;100, Deduct</i>	-3.82	
03 15 19 00-0057	EA		1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	38.19	
			<i>For Galvanized, Add</i>	10.43	
			<i>For Stainless Steel, Add</i>	72.98	
			<i>For &gt;10 To 50, Deduct</i>	-0.87	
			<i>For &gt;50 To 100, Deduct</i>	-2.26	
			<i>For &gt;100, Deduct</i>	-4.51	
03 15 19 00-0058	EA		1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	40.65	
			<i>For Galvanized, Add</i>	10.91	
			<i>For Stainless Steel, Add</i>	76.34	
			<i>For &gt;10 To 50, Deduct</i>	-0.94	
			<i>For &gt;50 To 100, Deduct</i>	-2.43	
			<i>For &gt;100, Deduct</i>	-4.86	
<b>03 15 19 00-0059</b>			<b>1-1/4" And 1-3/8" Diameter</b> <small>(03 15 19 00-0036)</small> .....		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0060 EA 1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	39.87	
For Galvanized, Add	11.27	
For Stainless Steel, Add	78.86	
For >10 To 50, Deduct	-0.87	
For >50 To 100, Deduct	-2.30	
For >100, Deduct	-4.59	
03 15 19 00-0061 EA 1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	48.03	
For Galvanized, Add	13.18	
For Stainless Steel, Add	92.26	
For >10 To 50, Deduct	-1.08	
For >50 To 100, Deduct	-2.83	
For >100, Deduct	-5.65	
03 15 19 00-0062 EA 1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	52.67	
For Galvanized, Add	14.93	
For Stainless Steel, Add	104.51	
For >10 To 50, Deduct	-1.14	
For >50 To 100, Deduct	-3.03	
For >100, Deduct	-6.06	
03 15 19 00-0063 EA 1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	57.80	
For Galvanized, Add	16.86	
For Stainless Steel, Add	118.02	
For >10 To 50, Deduct	-1.20	
For >50 To 100, Deduct	-3.25	
For >100, Deduct	-6.50	
03 15 19 00-0064 EA 1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	63.76	
For Galvanized, Add	18.34	
For Stainless Steel, Add	128.35	
For >10 To 50, Deduct	-1.35	
For >50 To 100, Deduct	-3.63	
For >100, Deduct	-7.25	
03 15 19 00-0065 EA 1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	70.23	
For Galvanized, Add	19.64	
For Stainless Steel, Add	137.45	
For >10 To 50, Deduct	-1.55	
For >50 To 100, Deduct	-4.08	
For >100, Deduct	-8.16	
03 15 19 00-0066 EA 1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	78.15	
For Galvanized, Add	21.02	
For Stainless Steel, Add	147.11	
For >10 To 50, Deduct	-1.81	
For >50 To 100, Deduct	-4.66	
For >100, Deduct	-9.33	
03 15 19 00-0067 EA 1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	89.83	
For Galvanized, Add	23.24	
For Stainless Steel, Add	162.68	
For >10 To 50, Deduct	-2.17	
For >50 To 100, Deduct	-5.50	
For >100, Deduct	-10.99	
03 15 19 00-0068 EA 1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	45.50	
For Galvanized, Add	14.08	
For Stainless Steel, Add	98.56	
For >10 To 50, Deduct	-0.87	
For >50 To 100, Deduct	-2.44	
For >100, Deduct	-4.88	
03 15 19 00-0069 EA 1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	54.63	
For Galvanized, Add	16.48	
For Stainless Steel, Add	115.36	
For >10 To 50, Deduct	-1.08	
For >50 To 100, Deduct	-2.99	
For >100, Deduct	-5.98	
03 15 19 00-0070 EA 1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	60.13	
For Galvanized, Add	18.66	
For Stainless Steel, Add	130.62	
For >10 To 50, Deduct	-1.14	
For >50 To 100, Deduct	-3.21	
For >100, Deduct	-6.43	
03 15 19 00-0071 EA 1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	66.22	
For Galvanized, Add	21.07	
For Stainless Steel, Add	147.49	
For >10 To 50, Deduct	-1.20	
For >50 To 100, Deduct	-3.46	
For >100, Deduct	-6.92	
03 15 19 00-0072 EA 1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	72.94	
For Galvanized, Add	22.93	
For Stainless Steel, Add	160.48	
For >10 To 50, Deduct	-1.35	
For >50 To 100, Deduct	-3.86	
For >100, Deduct	-7.71	
03 15 19 00-0073 EA 1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	80.06	
For Galvanized, Add	24.55	
For Stainless Steel, Add	171.85	
For >10 To 50, Deduct	-1.55	
For >50 To 100, Deduct	-4.32	
For >100, Deduct	-8.65	

**03 Concrete****03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0074	EA		1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	89.09	
			<i>For Galvanized, Add</i>	26.49	
			<i>For Stainless Steel, Add</i>	185.40	
			<i>For &gt;10 To 50, Deduct</i>	-1.81	
			<i>For &gt;50 To 100, Deduct</i>	-4.94	
			<i>For &gt;100, Deduct</i>	-9.87	
03 15 19 00-0075	EA		1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	101.46	
			<i>For Galvanized, Add</i>	29.06	
			<i>For Stainless Steel, Add</i>	203.39	
			<i>For &gt;10 To 50, Deduct</i>	-2.17	
			<i>For &gt;50 To 100, Deduct</i>	-5.79	
			<i>For &gt;100, Deduct</i>	-11.58	
<b>03 15 19 00-0076</b>			<b>1-1/2", 1-3/4", And 2" Diameter</b> <small>(03 15 19 00-0036)</small>		
03 15 19 00-0077	EA		1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	58.74	
			<i>For Galvanized, Add</i>	19.52	
			<i>For Stainless Steel, Add</i>	136.64	
			<i>For &gt;10 To 50, Deduct</i>	-0.99	
			<i>For &gt;50 To 100, Deduct</i>	-2.95	
			<i>For &gt;100, Deduct</i>	-5.89	
03 15 19 00-0078	EA		1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	63.75	
			<i>For Galvanized, Add</i>	20.47	
			<i>For Stainless Steel, Add</i>	143.29	
			<i>For &gt;10 To 50, Deduct</i>	-1.14	
			<i>For &gt;50 To 100, Deduct</i>	-3.30	
			<i>For &gt;100, Deduct</i>	-6.61	
03 15 19 00-0079	EA		1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	70.55	
			<i>For Galvanized, Add</i>	22.53	
			<i>For Stainless Steel, Add</i>	157.68	
			<i>For &gt;10 To 50, Deduct</i>	-1.28	
			<i>For &gt;50 To 100, Deduct</i>	-3.68	
			<i>For &gt;100, Deduct</i>	-7.35	
03 15 19 00-0080	EA		1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	76.31	
			<i>For Galvanized, Add</i>	24.61	
			<i>For Stainless Steel, Add</i>	172.27	
			<i>For &gt;10 To 50, Deduct</i>	-1.35	
			<i>For &gt;50 To 100, Deduct</i>	-3.94	
			<i>For &gt;100, Deduct</i>	-7.88	
03 15 19 00-0081	EA		1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	82.28	
			<i>For Galvanized, Add</i>	26.70	
			<i>For Stainless Steel, Add</i>	186.87	
			<i>For &gt;10 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-4.22	
			<i>For &gt;100, Deduct</i>	-8.45	
03 15 19 00-0082	EA		1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	90.76	
			<i>For Galvanized, Add</i>	28.71	
			<i>For Stainless Steel, Add</i>	200.94	
			<i>For &gt;10 To 50, Deduct</i>	-1.67	
			<i>For &gt;50 To 100, Deduct</i>	-4.77	
			<i>For &gt;100, Deduct</i>	-9.54	
03 15 19 00-0083	EA		1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	101.52	
			<i>For Galvanized, Add</i>	31.06	
			<i>For Stainless Steel, Add</i>	217.39	
			<i>For &gt;10 To 50, Deduct</i>	-1.97	
			<i>For &gt;50 To 100, Deduct</i>	-5.49	
			<i>For &gt;100, Deduct</i>	-10.99	
03 15 19 00-0084	EA		1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	117.04	
			<i>For Galvanized, Add</i>	34.44	
			<i>For Stainless Steel, Add</i>	241.08	
			<i>For &gt;10 To 50, Deduct</i>	-2.41	
			<i>For &gt;50 To 100, Deduct</i>	-6.54	
			<i>For &gt;100, Deduct</i>	-13.08	
03 15 19 00-0085	EA		1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	80.40	
			<i>For Galvanized, Add</i>	29.37	
			<i>For Stainless Steel, Add</i>	205.56	
			<i>For &gt;10 To 50, Deduct</i>	-1.08	
			<i>For &gt;50 To 100, Deduct</i>	-3.64	
			<i>For &gt;100, Deduct</i>	-7.27	
03 15 19 00-0086	EA		1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	84.09	
			<i>For Galvanized, Add</i>	30.01	
			<i>For Stainless Steel, Add</i>	210.04	
			<i>For &gt;10 To 50, Deduct</i>	-1.20	
			<i>For &gt;50 To 100, Deduct</i>	-3.91	
			<i>For &gt;100, Deduct</i>	-7.82	
03 15 19 00-0087	EA		1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	86.48	
			<i>For Galvanized, Add</i>	30.49	
			<i>For Stainless Steel, Add</i>	213.43	
			<i>For &gt;10 To 50, Deduct</i>	-1.28	
			<i>For &gt;50 To 100, Deduct</i>	-4.07	
			<i>For &gt;100, Deduct</i>	-8.15	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0088	EA			1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	97.52	
				<i>For Galvanized, Add</i>	35.22	
				<i>For Stainless Steel, Add</i>	246.51	
				<i>For &gt;10 To 50, Deduct</i>	-1.35	
				<i>For &gt;50 To 100, Deduct</i>	-4.47	
				<i>For &gt;100, Deduct</i>	-8.94	
03 15 19 00-0089	EA			1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	112.26	
				<i>For Galvanized, Add</i>	40.65	
				<i>For Stainless Steel, Add</i>	284.55	
				<i>For &gt;10 To 50, Deduct</i>	-1.55	
				<i>For &gt;50 To 100, Deduct</i>	-5.13	
				<i>For &gt;100, Deduct</i>	-10.26	
03 15 19 00-0090	EA			1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	118.49	
				<i>For Galvanized, Add</i>	41.19	
				<i>For Stainless Steel, Add</i>	288.30	
				<i>For &gt;10 To 50, Deduct</i>	-1.81	
				<i>For &gt;50 To 100, Deduct</i>	-5.67	
				<i>For &gt;100, Deduct</i>	-11.34	
03 15 19 00-0091	EA			1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	132.30	
				<i>For Galvanized, Add</i>	44.48	
				<i>For Stainless Steel, Add</i>	311.33	
				<i>For &gt;10 To 50, Deduct</i>	-2.17	
				<i>For &gt;50 To 100, Deduct</i>	-6.56	
				<i>For &gt;100, Deduct</i>	-13.12	
03 15 19 00-0092	EA			1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	149.98	
				<i>For Galvanized, Add</i>	47.90	
				<i>For Stainless Steel, Add</i>	335.30	
				<i>For &gt;10 To 50, Deduct</i>	-2.71	
				<i>For &gt;50 To 100, Deduct</i>	-7.81	
				<i>For &gt;100, Deduct</i>	-15.63	
03 15 19 00-0093	EA			2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	114.91	
				<i>For Galvanized, Add</i>	44.71	
				<i>For Stainless Steel, Add</i>	312.94	
				<i>For &gt;10 To 50, Deduct</i>	-1.28	
				<i>For &gt;50 To 100, Deduct</i>	-4.79	
				<i>For &gt;100, Deduct</i>	-9.57	
03 15 19 00-0094	EA			2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	125.55	
				<i>For Galvanized, Add</i>	48.33	
				<i>For Stainless Steel, Add</i>	338.31	
				<i>For &gt;10 To 50, Deduct</i>	-1.44	
				<i>For &gt;50 To 100, Deduct</i>	-5.31	
				<i>For &gt;100, Deduct</i>	-10.61	
03 15 19 00-0095	EA			2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	138.71	
				<i>For Galvanized, Add</i>	52.68	
				<i>For Stainless Steel, Add</i>	368.76	
				<i>For &gt;10 To 50, Deduct</i>	-1.67	
				<i>For &gt;50 To 100, Deduct</i>	-5.97	
				<i>For &gt;100, Deduct</i>	-11.94	
03 15 19 00-0096	EA			2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	150.99	
				<i>For Galvanized, Add</i>	55.79	
				<i>For Stainless Steel, Add</i>	390.53	
				<i>For &gt;10 To 50, Deduct</i>	-1.97	
				<i>For &gt;50 To 100, Deduct</i>	-6.73	
				<i>For &gt;100, Deduct</i>	-13.46	
03 15 19 00-0097	EA			2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	163.25	
				<i>For Galvanized, Add</i>	59.95	
				<i>For Stainless Steel, Add</i>	419.65	
				<i>For &gt;10 To 50, Deduct</i>	-2.17	
				<i>For &gt;50 To 100, Deduct</i>	-7.33	
				<i>For &gt;100, Deduct</i>	-14.67	
03 15 19 00-0098	EA			2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	176.19	
				<i>For Galvanized, Add</i>	64.02	
				<i>For Stainless Steel, Add</i>	448.11	
				<i>For &gt;10 To 50, Deduct</i>	-2.41	
				<i>For &gt;50 To 100, Deduct</i>	-8.02	
				<i>For &gt;100, Deduct</i>	-16.03	
03 15 19 00-0099	EA			2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	199.43	
				<i>For Galvanized, Add</i>	68.75	
				<i>For Stainless Steel, Add</i>	481.25	
				<i>For &gt;10 To 50, Deduct</i>	-3.10	
				<i>For &gt;50 To 100, Deduct</i>	-9.63	
				<i>For &gt;100, Deduct</i>	-19.26	
03 15 19 00-0100	EA			2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	213.09	
				<i>For Galvanized, Add</i>	75.58	
				<i>For Stainless Steel, Add</i>	529.06	
				<i>For &gt;10 To 50, Deduct</i>	-3.10	
				<i>For &gt;50 To 100, Deduct</i>	-9.97	
				<i>For &gt;100, Deduct</i>	-19.94	
03 15 19 00-0101	EA			2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	240.27	
				<i>For Galvanized, Add</i>	84.02	
				<i>For Stainless Steel, Add</i>	588.11	
				<i>For &gt;10 To 50, Deduct</i>	-3.61	
				<i>For &gt;50 To 100, Deduct</i>	-11.42	
				<i>For &gt;100, Deduct</i>	-22.85	

**03 Concrete****03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
03 15 19 00-0102		<b>2-1/2" And 2-3/4" Diameter</b> <small>(03 15 19 00-0036)</small>			
03 15 19 00-0103	EA	2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	224.14		
		For Galvanized, Add	99.32		
		For Stainless Steel, Add	695.24		
		For >10 To 50, Deduct	-1.28		
		For >50 To 100, Deduct	-7.52		
		For >100, Deduct	-15.03		
03 15 19 00-0104	EA	2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	236.52		
		For Galvanized, Add	103.82		
		For Stainless Steel, Add	726.71		
		For >10 To 50, Deduct	-1.44		
		For >50 To 100, Deduct	-8.08		
		For >100, Deduct	-16.16		
03 15 19 00-0105	EA	2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	258.52		
		For Galvanized, Add	112.59		
		For Stainless Steel, Add	788.10		
		For >10 To 50, Deduct	-1.67		
		For >50 To 100, Deduct	-8.96		
		For >100, Deduct	-17.93		
03 15 19 00-0106	EA	2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	276.71		
		For Galvanized, Add	118.65		
		For Stainless Steel, Add	830.55		
		For >10 To 50, Deduct	-1.97		
		For >50 To 100, Deduct	-9.87		
		For >100, Deduct	-19.75		
03 15 19 00-0107	EA	2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	293.37		
		For Galvanized, Add	125.01		
		For Stainless Steel, Add	875.07		
		For >10 To 50, Deduct	-2.17		
		For >50 To 100, Deduct	-10.59		
		For >100, Deduct	-21.17		
03 15 19 00-0108	EA	2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	312.43		
		For Galvanized, Add	132.14		
		For Stainless Steel, Add	924.95		
		For >10 To 50, Deduct	-2.41		
		For >50 To 100, Deduct	-11.42		
		For >100, Deduct	-22.85		
03 15 19 00-0109	EA	2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	340.79		
		For Galvanized, Add	139.43		
		For Stainless Steel, Add	976.01		
		For >10 To 50, Deduct	-3.10		
		For >50 To 100, Deduct	-13.16		
		For >100, Deduct	-26.33		
03 15 19 00-0110	EA	2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	251.97		
		For Galvanized, Add	112.44		
		For Stainless Steel, Add	787.08		
		For >10 To 50, Deduct	-1.35		
		For >50 To 100, Deduct	-8.33		
		For >100, Deduct	-16.66		
03 15 19 00-0111	EA	2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	271.51		
		For Galvanized, Add	120.28		
		For Stainless Steel, Add	841.93		
		For >10 To 50, Deduct	-1.55		
		For >50 To 100, Deduct	-9.11		
		For >100, Deduct	-18.22		
03 15 19 00-0112	EA	2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	292.49		
		For Galvanized, Add	128.19		
		For Stainless Steel, Add	897.30		
		For >10 To 50, Deduct	-1.81		
		For >50 To 100, Deduct	-10.02		
		For >100, Deduct	-20.04		
03 15 19 00-0113	EA	2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	313.97		
		For Galvanized, Add	135.31		
		For Stainless Steel, Add	947.17		
		For >10 To 50, Deduct	-2.17		
		For >50 To 100, Deduct	-11.10		
		For >100, Deduct	-22.20		
03 15 19 00-0114	EA	2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	334.35		
		For Galvanized, Add	143.10		
		For Stainless Steel, Add	1,001.67		
		For >10 To 50, Deduct	-2.41		
		For >50 To 100, Deduct	-11.97		
		For >100, Deduct	-23.94		
03 15 19 00-0115	EA	2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	362.48		
		For Galvanized, Add	154.15		
		For Stainless Steel, Add	1,079.05		
		For >10 To 50, Deduct	-2.71		
		For >50 To 100, Deduct	-13.13		
		For >100, Deduct	-26.25		
03 15 19 00-0116	EA	2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	397.49		
		For Galvanized, Add	162.63		
		For Stainless Steel, Add	1,138.38		
		For >10 To 50, Deduct	-3.61		
		For >50 To 100, Deduct	-15.36		
		For >100, Deduct	-30.71		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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### 03 20 Concrete Reinforcing <sup>(03)</sup>

Note: Includes cutting or torching to size, bending where necessary and tie wires.

#### 03 21 Reinforcement Bars <sup>(03 20)</sup>

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 - 0.167 Lbs./LF, #3 - 0.376 Lbs./LF, #4 - 0.668 Lbs./LF, #5 - 1.043 Lbs./LF, #6 - 1.502 Lbs./LF, #7 - 2.044 Lbs./LF, #8 - 2.670 Lbs./LF, #9 - 3.400 Lbs./LF, #10 - 4.303 Lbs./LF, #11 - 5.313 Lbs./LF, #14 - 7.650 Lbs./LF, #18 - 13.600 Lbs./LF.

#### 03 21 11 Plain Steel Reinforcement Bars <sup>(03 21)</sup>

##### 03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar <sup>(03 21 11)</sup>

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	0.64
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	1.08
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	1.63
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	2.24
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	0.66
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	1.11
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	1.66
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	2.29
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	0.68
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	1.14
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	1.72
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	2.37
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	3.06
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	3.80
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	4.65
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	5.67
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	6.74
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	9.32
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	15.87
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	2.44
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	3.16
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	3.93
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	4.83
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	5.89
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	7.01
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	9.70
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	16.56
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	0.69
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	1.17
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	1.76
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	2.42
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	3.14
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	3.90
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	4.78
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	5.84
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	6.94
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	9.61
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	16.39

##### 03 21 11 00-0040 Columns, Steel Reinforcement Bar <sup>(03 21 11)</sup>

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar.....	0.67
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar.....	1.15
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar.....	1.72
03 21 11 00-0044	LF	#6, Grade 40, Columns, Steel Reinforcement Bar.....	2.36
03 21 11 00-0045	LF	#3, Grade 50, Columns, Steel Reinforcement Bar.....	0.69
03 21 11 00-0046	LF	#4, Grade 50, Columns, Steel Reinforcement Bar.....	1.18
03 21 11 00-0047	LF	#5, Grade 50, Columns, Steel Reinforcement Bar.....	1.75
03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar.....	2.41
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar.....	0.71
03 21 11 00-0050	LF	#4, Grade 60, Columns, Steel Reinforcement Bar.....	1.21
03 21 11 00-0051	LF	#5, Grade 60, Columns, Steel Reinforcement Bar.....	1.81
03 21 11 00-0052	LF	#6, Grade 60, Columns, Steel Reinforcement Bar.....	2.49
03 21 11 00-0053	LF	#7, Grade 60, Columns, Steel Reinforcement Bar.....	3.21
03 21 11 00-0054	LF	#8, Grade 60, Columns, Steel Reinforcement Bar.....	3.97
03 21 11 00-0055	LF	#9, Grade 60, Columns, Steel Reinforcement Bar.....	4.85
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar.....	5.90
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar.....	7.00
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar.....	9.67
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar.....	16.41
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar.....	2.56
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar.....	3.31
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar.....	4.10
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar.....	5.03
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar.....	6.12
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar.....	7.27
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar.....	10.05



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar .....	17.10
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	0.72
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	1.24
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	1.85
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	2.54
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	3.29
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	4.07
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	4.98
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	6.07
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	7.20
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	9.96
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	16.93

### 03 21 11 00-0079 Footings, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar .....	0.58
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar .....	0.99
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar .....	1.49
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar .....	2.06
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar .....	0.60
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar .....	1.02
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar .....	1.52
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar .....	2.11
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar .....	0.62
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar .....	1.05
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar .....	1.58
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar .....	2.19
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar .....	2.84
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar .....	3.54
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar .....	4.34
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar .....	5.31
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar .....	6.33
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar .....	8.80
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar .....	15.04
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar .....	2.26
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar .....	2.94
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar .....	3.67
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar .....	4.52
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar .....	5.53
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar .....	6.60
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar .....	9.18
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar .....	15.73
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	0.63
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	1.08
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	1.62
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	2.24
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	2.92
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	3.64
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	4.47
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	5.48
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	6.53
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	9.09
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	15.56

### 03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar .....	0.56
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar .....	0.96
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar .....	1.44
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar .....	1.99
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar .....	0.58
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar .....	0.99
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar .....	1.47
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar .....	2.04
03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	0.60
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	1.02
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	1.53
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	2.12
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	2.77
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	3.45
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	4.24
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	5.19
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	6.20
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	8.62
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	14.76
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar .....	2.19
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar .....	2.87
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar .....	3.58
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar .....	4.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0142 LF #10, Grade 75, Slab On Grade, Steel Reinforcement Bar .....	5.41	
03 21 11 00-0143 LF #11, Grade 75, Slab On Grade, Steel Reinforcement Bar .....	6.47	
03 21 11 00-0144 LF #14, Grade 75, Slab On Grade, Steel Reinforcement Bar .....	9.00	
03 21 11 00-0145 LF #18, Grade 75, Slab On Grade, Steel Reinforcement Bar .....	15.45	
03 21 11 00-0146 LF #3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar .....	0.61	
03 21 11 00-0147 LF #4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar .....	1.05	
03 21 11 00-0148 LF #5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar .....	1.57	
03 21 11 00-0149 LF #6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar .....	2.17	
03 21 11 00-0150 LF #7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar .....	2.85	
03 21 11 00-0151 LF #8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar .....	3.55	
03 21 11 00-0152 LF #9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar .....	4.37	
03 21 11 00-0153 LF #10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar .....	5.36	
03 21 11 00-0154 LF #11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar .....	6.40	
03 21 11 00-0155 LF #14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar .....	8.91	
03 21 11 00-0156 LF #18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar .....	15.28	

**03 21 11 00-0157**

**Elevated Slabs, Steel Reinforcement Bar (03 21 11)**

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0158 LF #3, Grade 40, Elevated Slabs, Steel Reinforcement Bar .....	0.52	
03 21 11 00-0159 LF #4, Grade 40, Elevated Slabs, Steel Reinforcement Bar .....	0.89	
03 21 11 00-0160 LF #5, Grade 40, Elevated Slabs, Steel Reinforcement Bar .....	1.35	
03 21 11 00-0161 LF #6, Grade 40, Elevated Slabs, Steel Reinforcement Bar .....	1.86	
03 21 11 00-0162 LF #3, Grade 50, Elevated Slabs, Steel Reinforcement Bar .....	0.54	
03 21 11 00-0163 LF #4, Grade 50, Elevated Slabs, Steel Reinforcement Bar .....	0.92	
03 21 11 00-0164 LF #5, Grade 50, Elevated Slabs, Steel Reinforcement Bar .....	1.38	
03 21 11 00-0165 LF #6, Grade 50, Elevated Slabs, Steel Reinforcement Bar .....	1.91	
03 21 11 00-0166 LF #3, Grade 60, Elevated Slabs, Steel Reinforcement Bar .....	0.56	
03 21 11 00-0167 LF #4, Grade 60, Elevated Slabs, Steel Reinforcement Bar .....	0.95	
03 21 11 00-0168 LF #5, Grade 60, Elevated Slabs, Steel Reinforcement Bar .....	1.44	
03 21 11 00-0169 LF #6, Grade 60, Elevated Slabs, Steel Reinforcement Bar .....	1.99	
03 21 11 00-0170 LF #7, Grade 60, Elevated Slabs, Steel Reinforcement Bar .....	2.62	
03 21 11 00-0171 LF #8, Grade 60, Elevated Slabs, Steel Reinforcement Bar .....	3.27	
03 21 11 00-0172 LF #9, Grade 60, Elevated Slabs, Steel Reinforcement Bar .....	4.04	
03 21 11 00-0173 LF #10, Grade 60, Elevated Slabs, Steel Reinforcement Bar .....	4.96	
03 21 11 00-0174 LF #11, Grade 60, Elevated Slabs, Steel Reinforcement Bar .....	5.93	
03 21 11 00-0175 LF #14, Grade 60, Elevated Slabs, Steel Reinforcement Bar .....	8.27	
03 21 11 00-0176 LF #18, Grade 60, Elevated Slabs, Steel Reinforcement Bar .....	14.22	
03 21 11 00-0177 LF #6, Grade 75, Elevated Slabs, Steel Reinforcement Bar .....	2.06	
03 21 11 00-0178 LF #7, Grade 75, Elevated Slabs, Steel Reinforcement Bar .....	2.72	
03 21 11 00-0179 LF #8, Grade 75, Elevated Slabs, Steel Reinforcement Bar .....	3.40	
03 21 11 00-0180 LF #9, Grade 75, Elevated Slabs, Steel Reinforcement Bar .....	4.22	
03 21 11 00-0181 LF #10, Grade 75, Elevated Slabs, Steel Reinforcement Bar .....	5.18	
03 21 11 00-0182 LF #11, Grade 75, Elevated Slabs, Steel Reinforcement Bar .....	6.20	
03 21 11 00-0183 LF #14, Grade 75, Elevated Slabs, Steel Reinforcement Bar .....	8.65	
03 21 11 00-0184 LF #18, Grade 75, Elevated Slabs, Steel Reinforcement Bar .....	14.91	
03 21 11 00-0185 LF #3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar .....	0.57	
03 21 11 00-0186 LF #4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar .....	0.98	
03 21 11 00-0187 LF #5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar .....	1.48	
03 21 11 00-0188 LF #6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar .....	2.04	
03 21 11 00-0189 LF #7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar .....	2.70	
03 21 11 00-0190 LF #8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar .....	3.37	
03 21 11 00-0191 LF #9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar .....	4.17	
03 21 11 00-0192 LF #10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar .....	5.13	
03 21 11 00-0193 LF #11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar .....	6.13	
03 21 11 00-0194 LF #14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar .....	8.56	
03 21 11 00-0195 LF #18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar .....	14.74	

**03 21 11 00-0196**

**Walls, Steel Reinforcement Bar (03 21 11)**

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0197 LF #3, Grade 40, Walls, Steel Reinforcement Bar .....	0.50	
03 21 11 00-0198 LF #4, Grade 40, Walls, Steel Reinforcement Bar .....	0.86	
03 21 11 00-0199 LF #5, Grade 40, Walls, Steel Reinforcement Bar .....	1.30	
03 21 11 00-0200 LF #6, Grade 40, Walls, Steel Reinforcement Bar .....	1.80	
03 21 11 00-0201 LF #3, Grade 50, Walls, Steel Reinforcement Bar .....	0.52	
03 21 11 00-0202 LF #4, Grade 50, Walls, Steel Reinforcement Bar .....	0.89	
03 21 11 00-0203 LF #5, Grade 50, Walls, Steel Reinforcement Bar .....	1.33	
03 21 11 00-0204 LF #6, Grade 50, Walls, Steel Reinforcement Bar .....	1.85	
03 21 11 00-0205 LF #3, Grade 60, Walls, Steel Reinforcement Bar .....	0.54	
03 21 11 00-0206 LF #4, Grade 60, Walls, Steel Reinforcement Bar .....	0.92	
03 21 11 00-0207 LF #5, Grade 60, Walls, Steel Reinforcement Bar .....	1.39	
03 21 11 00-0208 LF #6, Grade 60, Walls, Steel Reinforcement Bar .....	1.93	
03 21 11 00-0209 LF #7, Grade 60, Walls, Steel Reinforcement Bar .....	2.53	
03 21 11 00-0210 LF #8, Grade 60, Walls, Steel Reinforcement Bar .....	3.19	
03 21 11 00-0211 LF #9, Grade 60, Walls, Steel Reinforcement Bar .....	3.94	
03 21 11 00-0212 LF #10, Grade 60, Walls, Steel Reinforcement Bar .....	4.84	
03 21 11 00-0213 LF #11, Grade 60, Walls, Steel Reinforcement Bar .....	5.80	
03 21 11 00-0214 LF #14, Grade 60, Walls, Steel Reinforcement Bar .....	8.10	
03 21 11 00-0215 LF #18, Grade 60, Walls, Steel Reinforcement Bar .....	13.95	
03 21 11 00-0216 LF #6, Grade 75, Walls, Steel Reinforcement Bar .....	2.00	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 21 11 00-0217	LF	#7, Grade 75, Walls, Steel Reinforcement Bar .....	2.63	
03 21 11 00-0218	LF	#8, Grade 75, Walls, Steel Reinforcement Bar .....	3.32	
03 21 11 00-0219	LF	#9, Grade 75, Walls, Steel Reinforcement Bar .....	4.12	
03 21 11 00-0220	LF	#10, Grade 75, Walls, Steel Reinforcement Bar .....	5.06	
03 21 11 00-0221	LF	#11, Grade 75, Walls, Steel Reinforcement Bar .....	6.07	
03 21 11 00-0222	LF	#14, Grade 75, Walls, Steel Reinforcement Bar .....	8.48	
03 21 11 00-0223	LF	#18, Grade 75, Walls, Steel Reinforcement Bar .....	14.64	
03 21 11 00-0224	LF	#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	0.55	
03 21 11 00-0225	LF	#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	0.95	
03 21 11 00-0226	LF	#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	1.43	
03 21 11 00-0227	LF	#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	1.98	
03 21 11 00-0228	LF	#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	2.61	
03 21 11 00-0229	LF	#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	3.29	
03 21 11 00-0230	LF	#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	4.07	
03 21 11 00-0231	LF	#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	5.01	
03 21 11 00-0232	LF	#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	6.00	
03 21 11 00-0233	LF	#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	8.39	
03 21 11 00-0234	LF	#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	14.47	
03 21 11 00-0235		<b>Mechanical Joint Connection</b> (03 21 11)		
03 21 11 00-0236		<b>Thermal Type Mechanical Joint Connection</b> (03 21 11 00-0235)		
03 21 11 00-0237	EA	Thermal Type Mechanical Joint Connection, Add Per Splice .....	212.60	
03 21 11 00-0238		<b>Screwed Type Mechanical Joint Connection</b> (03 21 11 00-0235)		
03 21 11 00-0239	EA	Screwed Type Mechanical Joint Connection, Add Per Splice.....	116.54	
03 21 11 00-0240		<b>Deformed Straight Dowels</b> (03 21 11)		
		Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.		
03 21 11 00-0241	EA	3/8" Diameter x 24" Long, Deformed Straight Dowel .....	2.76	
		For Up To 12" Length, Deduct	-0.34	
		For >12" To <24" Length, Deduct	-0.17	
03 21 11 00-0242	EA	1/2" Diameter x 24" Long, Deformed Straight Dowel .....	3.32	
		For Up To 12" Length, Deduct	-0.46	
		For >12" To <24" Length, Deduct	-0.23	
03 21 11 00-0243	EA	5/8" Diameter x 24" Long, Deformed Straight Dowel .....	4.09	
		For Up To 12" Length, Deduct	-0.72	
		For >12" To <24" Length, Deduct	-0.36	
03 21 11 00-0244	EA	3/4" Diameter x 24" Long, Deformed Straight Dowel .....	5.00	
		For Up To 12" Length, Deduct	-1.03	
		For >12" To <24" Length, Deduct	-0.52	
03 21 11 00-0245	EA	7/8" Diameter x 24" Long, Deformed Straight Dowel .....	5.96	
		For Up To 12" Length, Deduct	-1.44	
		For >12" To <24" Length, Deduct	-0.72	
03 21 11 00-0246	EA	1" Diameter x 24" Long, Deformed Straight Dowel .....	7.52	
		For Up To 12" Length, Deduct	-1.84	
		For >12" To <24" Length, Deduct	-0.92	
03 21 11 00-0247	EA	1-1/8" Diameter x 24" Long, Deformed Straight Dowel .....	8.88	
		For Up To 12" Length, Deduct	-2.28	
		For >12" To <24" Length, Deduct	-1.14	
03 21 11 00-0248	EA	1-1/4" Diameter x 24" Long, Deformed Straight Dowel .....	10.91	
		For Up To 12" Length, Deduct	-2.97	
		For >12" To <24" Length, Deduct	-1.49	
03 21 11 00-0249	EA	1-3/8" Diameter x 24" Long, Deformed Straight Dowel .....	12.99	
		For Up To 12" Length, Deduct	-3.67	
		For >12" To <24" Length, Deduct	-1.84	
03 21 11 00-0250		<b>Spirals, Reinforcing Steel</b> (03 21 11)		
03 21 11 00-0251	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel .....	3,394.99	
		For Grade 75, Add	130.37	
03 21 11 00-0252	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,355.22	
		For Grade 75, Add	130.37	
03 21 11 00-0253	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,324.90	
		For Grade 75, Add	130.37	
03 21 11 00-0254	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,275.30	
		For Grade 75, Add	130.37	
03 21 11 00-0255	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,208.23	
		For Grade 75, Add	130.37	
03 21 11 00-0256	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,184.64	
		For Grade 75, Add	133.58	
03 21 11 00-0257	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,128.49	
		For Grade 75, Add	133.58	
03 21 11 00-0258		<b>Accessories For Reinforcing Steel</b> (03 21 11)		
03 21 11 00-0259		<b>Reinforcing Steel Lap-Weld Splice</b> (03 21 11 00-0258)		
03 21 11 00-0260	EA	Up To #6 Reinforcing Steel Lap-Weld Splice .....	57.06	
03 21 11 00-0261	EA	>#6 Reinforcing Steel Lap-Weld Splice.....	90.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>03 21 11 00-0262 Reinforcing Steel Sleeve And Wedge Splice Joint (03 21 11 00-0258)</b>		
03 21 11 00-0263	EA	Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint..... 31.12
03 21 11 00-0264	EA	#5 Reinforcing Steel, Sleeve And Wedge Splice Joint..... 46.70
03 21 11 00-0265	EA	#6 Reinforcing Steel, Sleeve And Wedge Splice Joint..... 68.80

**03 21 13 Galvanized Reinforcement Steel Bars (03 21)**

<b>03 21 13 00-0001 Beams And Girders, Galvanized Steel Reinforcement Bar (03 21 13)</b>		
Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0002	LF	#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar..... 0.78
03 21 13 00-0003	LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar..... 1.31
03 21 13 00-0004	LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar..... 1.99
03 21 13 00-0005	LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar..... 2.76
03 21 13 00-0006	LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar..... 0.79
03 21 13 00-0007	LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar..... 1.34
03 21 13 00-0008	LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar..... 2.02
03 21 13 00-0009	LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar..... 2.81
03 21 13 00-0010	LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar..... 0.81
03 21 13 00-0011	LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar..... 1.37
03 21 13 00-0012	LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar..... 2.08
03 21 13 00-0013	LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar..... 2.89
03 21 13 00-0014	LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar..... 3.77
03 21 13 00-0015	LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar..... 4.72
03 21 13 00-0016	LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar..... 5.83
03 21 13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar..... 7.17
03 21 13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar..... 8.59
03 21 13 00-0019	LF	#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar..... 11.97
03 21 13 00-0020	LF	#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar..... 20.59
03 21 13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar..... 2.96
03 21 13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar..... 3.87
03 21 13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar..... 4.86
03 21 13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar..... 6.01
03 21 13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar..... 7.38
03 21 13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar..... 8.86
03 21 13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar..... 12.36
03 21 13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar..... 21.28

**03 21 13 00-0029 Columns, Galvanized Steel Reinforcement Bar (03 21 13)**

Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar..... 0.81
03 21 13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar..... 1.38
03 21 13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar..... 2.08
03 21 13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar..... 2.88
03 21 13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar..... 0.82
03 21 13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar..... 1.41
03 21 13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar..... 2.11
03 21 13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar..... 2.93
03 21 13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar..... 0.84
03 21 13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar..... 1.44
03 21 13 00-0040	LF	#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar..... 2.17
03 21 13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar..... 3.01
03 21 13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar..... 3.92
03 21 13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar..... 4.89
03 21 13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar..... 6.03
03 21 13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar..... 7.40
03 21 13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar..... 8.85
03 21 13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar..... 12.32
03 21 13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar..... 21.13
03 21 13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar..... 3.08
03 21 13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar..... 4.02
03 21 13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar..... 5.03
03 21 13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar..... 6.21
03 21 13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar..... 7.61
03 21 13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar..... 9.12
03 21 13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar..... 12.71
03 21 13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar..... 21.82

**03 21 13 00-0057 Footings, Galvanized Steel Reinforcement Bar (03 21 13)**

Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar..... 0.72
03 21 13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar..... 1.22
03 21 13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar..... 1.85
03 21 13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar..... 2.58
03 21 13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar..... 0.73
03 21 13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar..... 1.25
03 21 13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar..... 1.88



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	2.63
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.75
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.28
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.94
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.71
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.55
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.46
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	5.52
03 21 13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	6.81
03 21 13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	8.18
03 21 13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	11.45
03 21 13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	19.76
03 21 13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.78
03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.65
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.60
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.70
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	7.02
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	8.45
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	11.84
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	20.45

### 03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.70
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.19
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.80
03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	2.51
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.71
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.22
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.83
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	2.56
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.73
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.25
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.89
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.64
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.48
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.37
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	5.42
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	6.69
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	8.05
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	11.27
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	19.48
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.71
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.58
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.51
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.60
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	6.90
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	8.32
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	11.66
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	20.17

### 03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.66
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.12
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.71
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.38
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.67
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.15
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.74
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.43
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.69
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.18
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.80
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.51
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.33
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.19
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.22
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.46
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.78
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	10.92
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	18.94
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.58
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.43
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.33
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.40
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.67
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	8.05
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	11.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 13 00-0140 LF #18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar ..... 19.63

**03 21 13 00-0141 Walls, Galvanized Steel Reinforcement Bar (03 21 13)**

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0142 LF #3, Grade 40, Walls, Galvanized Steel Reinforcement Bar ..... 0.64
03 21 13 00-0143 LF #4, Grade 40, Walls, Galvanized Steel Reinforcement Bar ..... 1.09
03 21 13 00-0144 LF #5, Grade 40, Walls, Galvanized Steel Reinforcement Bar ..... 1.66
03 21 13 00-0145 LF #6, Grade 40, Walls, Galvanized Steel Reinforcement Bar ..... 2.32
03 21 13 00-0146 LF #3, Grade 50, Walls, Galvanized Steel Reinforcement Bar ..... 0.65
03 21 13 00-0147 LF #4, Grade 50, Walls, Galvanized Steel Reinforcement Bar ..... 1.12
03 21 13 00-0148 LF #5, Grade 50, Walls, Galvanized Steel Reinforcement Bar ..... 1.69
03 21 13 00-0149 LF #6, Grade 50, Walls, Galvanized Steel Reinforcement Bar ..... 2.37
03 21 13 00-0150 LF #3, Grade 60, Walls, Galvanized Steel Reinforcement Bar ..... 0.67
03 21 13 00-0151 LF #4, Grade 60, Walls, Galvanized Steel Reinforcement Bar ..... 1.15
03 21 13 00-0152 LF #5, Grade 60, Walls, Galvanized Steel Reinforcement Bar ..... 1.75
03 21 13 00-0153 LF #6, Grade 60, Walls, Galvanized Steel Reinforcement Bar ..... 2.45
03 21 13 00-0154 LF #7, Grade 60, Walls, Galvanized Steel Reinforcement Bar ..... 3.24
03 21 13 00-0155 LF #8, Grade 60, Walls, Galvanized Steel Reinforcement Bar ..... 4.11
03 21 13 00-0156 LF #9, Grade 60, Walls, Galvanized Steel Reinforcement Bar ..... 5.12
03 21 13 00-0157 LF #10, Grade 60, Walls, Galvanized Steel Reinforcement Bar ..... 6.34
03 21 13 00-0158 LF #11, Grade 60, Walls, Galvanized Steel Reinforcement Bar ..... 7.65
03 21 13 00-0159 LF #14, Grade 60, Walls, Galvanized Steel Reinforcement Bar ..... 10.75
03 21 13 00-0160 LF #18, Grade 60, Walls, Galvanized Steel Reinforcement Bar ..... 18.67
03 21 13 00-0161 LF #6, Grade 75, Walls, Galvanized Steel Reinforcement Bar ..... 2.52
03 21 13 00-0162 LF #7, Grade 75, Walls, Galvanized Steel Reinforcement Bar ..... 3.34
03 21 13 00-0163 LF #8, Grade 75, Walls, Galvanized Steel Reinforcement Bar ..... 4.25
03 21 13 00-0164 LF #9, Grade 75, Walls, Galvanized Steel Reinforcement Bar ..... 5.30
03 21 13 00-0165 LF #10, Grade 75, Walls, Galvanized Steel Reinforcement Bar ..... 6.55
03 21 13 00-0166 LF #11, Grade 75, Walls, Galvanized Steel Reinforcement Bar ..... 7.92
03 21 13 00-0167 LF #14, Grade 75, Walls, Galvanized Steel Reinforcement Bar ..... 11.14
03 21 13 00-0168 LF #18, Grade 75, Walls, Galvanized Steel Reinforcement Bar ..... 19.36

**03 21 16 Epoxy-Coated Reinforcement Steel Bars (03 21)**

**03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar (03 21 16)**

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002 LF #3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 0.76
03 21 16 00-0003 LF #4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 1.29
03 21 16 00-0004 LF #5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 1.95
03 21 16 00-0005 LF #6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 2.70
03 21 16 00-0006 LF #3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 0.77
03 21 16 00-0007 LF #4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 1.31
03 21 16 00-0008 LF #5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 1.98
03 21 16 00-0009 LF #6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 2.75
03 21 16 00-0010 LF #3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 0.79
03 21 16 00-0011 LF #4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 1.35
03 21 16 00-0012 LF #5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 2.04
03 21 16 00-0013 LF #6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 2.83
03 21 16 00-0014 LF #7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 3.69
03 21 16 00-0015 LF #8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 4.62
03 21 16 00-0016 LF #9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 5.70
03 21 16 00-0017 LF #10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 7.00
03 21 16 00-0018 LF #11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 8.39
03 21 16 00-0019 LF #14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 11.68
03 21 16 00-0020 LF #18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 20.08
03 21 16 00-0021 LF #6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 2.91
03 21 16 00-0022 LF #7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 3.79
03 21 16 00-0023 LF #8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 4.76
03 21 16 00-0024 LF #9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 5.88
03 21 16 00-0025 LF #10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 7.22
03 21 16 00-0026 LF #11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 8.65
03 21 16 00-0027 LF #14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 12.07
03 21 16 00-0028 LF #18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar ..... 20.77

**03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar (03 21 16)**

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0030 LF #3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar ..... 0.79
03 21 16 00-0031 LF #4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar ..... 1.36
03 21 16 00-0032 LF #5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar ..... 2.04
03 21 16 00-0033 LF #6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar ..... 2.82
03 21 16 00-0034 LF #3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar ..... 0.80
03 21 16 00-0035 LF #4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar ..... 1.38
03 21 16 00-0036 LF #5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar ..... 2.07
03 21 16 00-0037 LF #6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar ..... 2.87
03 21 16 00-0038 LF #3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... 0.82
03 21 16 00-0039 LF #4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... 1.42
03 21 16 00-0040 LF #5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... 2.13
03 21 16 00-0041 LF #6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... 2.95
03 21 16 00-0042 LF #7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... 3.84



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	4.79
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	5.90
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	7.23
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	8.65
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	12.03
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	20.62
03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.03
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.94
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	4.93
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	6.08
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	7.45
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	8.91
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	12.42
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	21.31

### 03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.70
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.20
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.81
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	2.52
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.71
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.22
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.84
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	2.57
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.73
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.26
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.90
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.65
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.47
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	4.36
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	5.39
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	6.64
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	7.98
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	11.16
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	19.25
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	2.73
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	3.57
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	4.50
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	5.57
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	6.86
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	8.24
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	11.55
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	19.94

### 03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.68
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.17
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.76
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.45
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.69
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.19
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.79
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.50
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.71
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.23
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.85
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.58
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.40
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.27
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.29
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	6.52
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	7.85
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	10.98
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	18.97
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.66
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.50
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.41
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.47
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	6.74
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	8.11
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	11.37
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	19.66

### 03 21 16 00-0113 Elevated Slabs, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.64
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0115 LF #4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.10	
03 21 16 00-0116 LF #5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.67	
03 21 16 00-0117 LF #6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.32	
03 21 16 00-0118 LF #3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.65	
03 21 16 00-0119 LF #4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.12	
03 21 16 00-0120 LF #5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.70	
03 21 16 00-0121 LF #6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.37	
03 21 16 00-0122 LF #3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.67	
03 21 16 00-0123 LF #4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.16	
03 21 16 00-0124 LF #5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.76	
03 21 16 00-0125 LF #6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.45	
03 21 16 00-0126 LF #7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.25	
03 21 16 00-0127 LF #8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.09	
03 21 16 00-0128 LF #9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.09	
03 21 16 00-0129 LF #10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	6.29	
03 21 16 00-0130 LF #11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.58	
03 21 16 00-0131 LF #14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	10.63	
03 21 16 00-0132 LF #18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	18.43	
03 21 16 00-0133 LF #6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.53	
03 21 16 00-0134 LF #7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.35	
03 21 16 00-0135 LF #8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.23	
03 21 16 00-0136 LF #9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.27	
03 21 16 00-0137 LF #10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	6.51	
03 21 16 00-0138 LF #11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.84	
03 21 16 00-0139 LF #14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	11.02	
03 21 16 00-0140 LF #18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	19.12	

**03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar (03 21 16)**

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142 LF #3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.62	
03 21 16 00-0143 LF #4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.07	
03 21 16 00-0144 LF #5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.62	
03 21 16 00-0145 LF #6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.26	
03 21 16 00-0146 LF #3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.63	
03 21 16 00-0147 LF #4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.09	
03 21 16 00-0148 LF #5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.65	
03 21 16 00-0149 LF #6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.31	
03 21 16 00-0150 LF #3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.65	
03 21 16 00-0151 LF #4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.13	
03 21 16 00-0152 LF #5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.71	
03 21 16 00-0153 LF #6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.39	
03 21 16 00-0154 LF #7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.16	
03 21 16 00-0155 LF #8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.01	
03 21 16 00-0156 LF #9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.99	
03 21 16 00-0157 LF #10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	6.17	
03 21 16 00-0158 LF #11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.45	
03 21 16 00-0159 LF #14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	10.46	
03 21 16 00-0160 LF #18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	18.16	
03 21 16 00-0161 LF #6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.47	
03 21 16 00-0162 LF #7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.26	
03 21 16 00-0163 LF #8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.15	
03 21 16 00-0164 LF #9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.17	
03 21 16 00-0165 LF #10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	6.39	
03 21 16 00-0166 LF #11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.71	
03 21 16 00-0167 LF #14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	10.85	
03 21 16 00-0168 LF #18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	18.85	

**03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels (03 21 16)**

Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.

03 21 16 00-0170 EA 3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	4.58	
For Up To 12" Length, Deduct	-0.48	
For >12" To <24" Length, Deduct	-0.24	
03 21 16 00-0171 EA 1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	5.42	
For Up To 12" Length, Deduct	-0.73	
For >12" To <24" Length, Deduct	-0.36	
03 21 16 00-0172 EA 5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	6.75	
For Up To 12" Length, Deduct	-1.09	
For >12" To <24" Length, Deduct	-0.54	
03 21 16 00-0173 EA 3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	8.41	
For Up To 12" Length, Deduct	-1.45	
For >12" To <24" Length, Deduct	-0.72	
03 21 16 00-0174 EA 7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	10.15	
For Up To 12" Length, Deduct	-1.97	
For >12" To <24" Length, Deduct	-0.98	
03 21 16 00-0175 EA 1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	11.83	
For Up To 12" Length, Deduct	-2.42	
For >12" To <24" Length, Deduct	-1.21	
03 21 16 00-0176 EA 1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	13.98	
For Up To 12" Length, Deduct	-2.93	
For >12" To <24" Length, Deduct	-1.47	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 21 16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	16.84
		<i>For Up To 12" Length, Deduct</i>	-3.55
		<i>For &gt;12" To &lt;24" Length, Deduct</i>	-1.78

### 03 22 Fabric and Grid Reinforcing (03 20)

#### 03 22 11 Plain Steel Welded Wire Fabric Reinforcing (03 22)

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

##### 03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 11)

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22 11 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4) .....	0.96
		<i>For &gt;5 Ton, Deduct</i>	-0.14
03 22 11 00-0003	SF	6" x 6" x #8, 30 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1) .....	1.12
		<i>For &gt;5 Ton, Deduct</i>	-0.16
03 22 11 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9) .....	1.30
		<i>For &gt;5 Ton, Deduct</i>	-0.18
03 22 11 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0) .....	1.60
		<i>For &gt;5 Ton, Deduct</i>	-0.21
03 22 11 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4) .....	1.19
		<i>For &gt;5 Ton, Deduct</i>	-0.16
03 22 11 00-0007	SF	4" x 4" x #8, 44 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1) .....	1.37
		<i>For &gt;5 Ton, Deduct</i>	-0.19
03 22 11 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9) .....	1.83
		<i>For &gt;5 Ton, Deduct</i>	-0.23
03 22 11 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0) .....	2.17
		<i>For &gt;5 Ton, Deduct</i>	-0.27
03 22 11 00-0010	SF	2" x 2" x #12, 37 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9) .....	2.11
		<i>For &gt;5 Ton, Deduct</i>	-0.26

#### 03 22 13 Galvanized Welded Wire Fabric Reinforcing (03 22)

##### 03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 13)

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.12
		<i>For &gt;5 Ton, Deduct</i>	-0.15
03 22 13 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.30
		<i>For &gt;5 Ton, Deduct</i>	-0.18
03 22 13 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.55
		<i>For &gt;5 Ton, Deduct</i>	-0.20
03 22 13 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.94
		<i>For &gt;5 Ton, Deduct</i>	-0.25
03 22 13 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.41
		<i>For &gt;5 Ton, Deduct</i>	-0.19
03 22 13 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.64
		<i>For &gt;5 Ton, Deduct</i>	-0.21
03 22 13 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	2.27
		<i>For &gt;5 Ton, Deduct</i>	-0.28
03 22 13 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	2.72
		<i>For &gt;5 Ton, Deduct</i>	-0.33

##### 03 22 13 00-0010 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns (03 22 13)

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0011	SF	2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5).....	3.61
		<i>For &gt;5 Ton, Deduct</i>	-0.53

#### 03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing (03 22)

##### 03 22 16 00-0001 Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 16)

Note: Includes bar chairs. Under 5 tons.

03 22 16 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.10
		<i>For &gt;5 Ton, Deduct</i>	-0.15
03 22 16 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.28
		<i>For &gt;5 Ton, Deduct</i>	-0.17
03 22 16 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.52
		<i>For &gt;5 Ton, Deduct</i>	-0.20
03 22 16 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.90
		<i>For &gt;5 Ton, Deduct</i>	-0.24
03 22 16 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.38
		<i>For &gt;5 Ton, Deduct</i>	-0.18
03 22 16 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.61
		<i>For &gt;5 Ton, Deduct</i>	-0.21
03 22 16 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	2.22
		<i>For &gt;5 Ton, Deduct</i>	-0.27
03 22 16 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	2.65
		<i>For &gt;5 Ton, Deduct</i>	-0.32



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Concrete Reinforcing</b>	<b>03 20</b>	
<b>Fabric and Grid Reinforcing</b>	<b>03 22</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**03 30 Cast-In-Place Concrete** (03)

See CSI section 01 74 19 00-0039 for hauling over 15 miles.

**03 30 53 Miscellaneous Cast-in-Place Concrete** (03 30)

**03 30 53 00-0001 Place Concrete Duct Bank** (03 30 53)

03 30 53 00-0002	CY	Direct Chute, Place 3,000 PSI Concrete Duct Bank .....	197.62
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.00
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.50
		<i>For 3,500 PSI Concrete, Add</i>	8.33
		<i>For 3,750 PSI Concrete, Add</i>	11.33
		<i>For 4,000 PSI Concrete, Add</i>	14.33
		<i>For 4,500 PSI Concrete, Add</i>	16.66
		<i>For 5,000 PSI Concrete, Add</i>	18.99
		<i>For 6,000 PSI Concrete, Add</i>	44.98
		<i>For White Cement Concrete, Add</i>	19.99
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	21.66
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.66
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	49.98
		<i>For Up To 20, Add</i>	12.40
		<i>For &gt;20 To 50, Add</i>	4.65
		<i>For &gt;100 To 200, Deduct</i>	-3.95
		<i>For &gt;200 To 400, Deduct</i>	-7.90
		<i>For &gt;400, Deduct</i>	-11.86

**03 30 53 00-0003 Place Concrete Thrust Blocks And Backfill** (03 30 53)

03 30 53 00-0004	CY	Direct Chute, Place 3,000 PSI Concrete Thrust Blocks .....	236.65
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.00
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.50
		<i>For 3,500 PSI Concrete, Add</i>	8.33
		<i>For 3,750 PSI Concrete, Add</i>	11.33
		<i>For 4,000 PSI Concrete, Add</i>	14.33
		<i>For 4,500 PSI Concrete, Add</i>	16.66
		<i>For 5,000 PSI Concrete, Add</i>	18.99
		<i>For 6,000 PSI Concrete, Add</i>	44.99
		<i>For White Cement Concrete, Add</i>	19.99
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	21.66
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.66
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	49.99
		<i>For Up To 20, Add</i>	28.01
		<i>For &gt;20 To 50, Add</i>	10.50
		<i>For &gt;100 To 200, Deduct</i>	-4.73
		<i>For &gt;200 To 400, Deduct</i>	-9.47
		<i>For &gt;400, Deduct</i>	-14.20

**03 30 53 00-0005 Place Concrete Slurry** (03 30 53)

03 30 53 00-0006	CY	Direct Chute, Place Two Sack Cement, Concrete Slurry .....	182.86
		Note: Two 94# sack cement per CY.	
03 30 53 00-0007	CY	Concrete Pump, Place Two Sack Cement, Concrete Slurry .....	176.69
		Note: Two 94# sack cement per CY. Excludes pumping equipment.	

**03 30 53 00-0008 Hand Mix And Place Concrete** (03 30 53)

03 30 53 00-0009	CF	Hand Mix And Place Concrete .....	30.00
		Note: For use where conventional equipment access is limited or when directed by the owner.	
		<i>For 2,000 PSI Concrete, Deduct</i>	-0.38
		<i>For 2,500 PSI Concrete, Deduct</i>	-0.19
		<i>For 3,500 PSI Concrete, Add</i>	0.36
		<i>For 3,750 PSI Concrete, Add</i>	0.48
		<i>For 4,000 PSI Concrete, Add</i>	0.61
		<i>For 4,500 PSI Concrete, Add</i>	0.71
		<i>For 5,000 PSI Concrete, Add</i>	0.81
		<i>For 6,000 PSI Concrete, Add</i>	1.92
		<i>For White Cement Concrete, Add</i>	0.85
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	0.93
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	0.71
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	2.14

**03 31 Structural Concrete** (03 30)

**03 31 13 Heavyweight Structural Concrete** (03 31)

Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 31 13 00-00086 for small concrete purchases (short load), 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

**03 31 13 00-0001 Concrete Slab Assemblies** (03 31 13)



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0002		3,000 PSI Slab On Grade Concrete Slabs Assemblies <small>(03 31 13 00-0001)</small>	
Note: Includes forms, welded wire reinforcement (where necessary), #3 to #6 reinforcing rods at 12" on center each way with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.			
03 31 13 00-0003	SF	4" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	7.59
		For 2,000 PSI Concrete, Deduct	-0.22
		For 2,500 PSI Concrete, Deduct	-0.11
		For 3,500 PSI Concrete, Add	0.08
		For 4,000 PSI Concrete, Add	0.25
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.13
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.40
		For Up To 500, Add	2.94
		For >500 To 1,000, Add	2.03
		For >1,000 To 2,000, Add	1.11
		For >2,000 To 5,000, Add	0.56
		For >10,000 To 20,000, Deduct	-0.20
		For >20,000 To 35,000, Deduct	-0.39
		For >35,000 To 50,000, Deduct	-0.58
		For >50,000 To 70,000, Deduct	-0.77
		For >70,000, Deduct	-0.96
03 31 13 00-0004	SF	5" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	8.31
		For 2,000 PSI Concrete, Deduct	-0.25
		For 2,500 PSI Concrete, Deduct	-0.12
		For 3,500 PSI Concrete, Add	0.09
		For 4,000 PSI Concrete, Add	0.29
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.13
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.40
		For Up To 500, Add	3.15
		For >500 To 1,000, Add	2.17
		For >1,000 To 2,000, Add	1.20
		For >2,000 To 5,000, Add	0.60
		For >10,000 To 20,000, Deduct	-0.23
		For >20,000 To 35,000, Deduct	-0.44
		For >35,000 To 50,000, Deduct	-0.65
		For >50,000 To 70,000, Deduct	-0.85
		For >70,000, Deduct	-1.06
03 31 13 00-0005	SF	6" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	9.33
		For 2,000 PSI Concrete, Deduct	-0.29
		For 2,500 PSI Concrete, Deduct	-0.14
		For 3,500 PSI Concrete, Add	0.10
		For 4,000 PSI Concrete, Add	0.34
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.13
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.40
		For Up To 500, Add	3.45
		For >500 To 1,000, Add	2.39
		For >1,000 To 2,000, Add	1.33
		For >2,000 To 5,000, Add	0.66
		For >10,000 To 20,000, Deduct	-0.27
		For >20,000 To 35,000, Deduct	-0.50
		For >35,000 To 50,000, Deduct	-0.74
		For >50,000 To 70,000, Deduct	-0.97
		For >70,000, Deduct	-1.20
03 31 13 00-0006	SF	7" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	10.30
		For 2,000 PSI Concrete, Deduct	-0.33
		For 2,500 PSI Concrete, Deduct	-0.17
		For 3,500 PSI Concrete, Add	0.12
		For 4,000 PSI Concrete, Add	0.39
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.13
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.40
		For Up To 500, Add	3.71
		For >500 To 1,000, Add	2.58
		For >1,000 To 2,000, Add	1.44
		For >2,000 To 5,000, Add	0.72
		For >10,000 To 20,000, Deduct	-0.31
		For >20,000 To 35,000, Deduct	-0.57
		For >35,000 To 50,000, Deduct	-0.82
		For >50,000 To 70,000, Deduct	-1.08
		For >70,000, Deduct	-1.34
03 31 13 00-0007	SF	8" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	11.13
		For 2,000 PSI Concrete, Deduct	-0.37
		For 2,500 PSI Concrete, Deduct	-0.18
		For 3,500 PSI Concrete, Add	0.13
		For 4,000 PSI Concrete, Add	0.43
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.13
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.40
		For Up To 500, Add	3.94
		For >500 To 1,000, Add	2.74
		For >1,000 To 2,000, Add	1.54
		For >2,000 To 5,000, Add	0.77
		For >10,000 To 20,000, Deduct	-0.34
		For >20,000 To 35,000, Deduct	-0.62
		For >35,000 To 50,000, Deduct	-0.90
		For >50,000 To 70,000, Deduct	-1.18
		For >70,000, Deduct	-1.46



<b>Concrete</b>	<b>03</b>	<b>CSU</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0008 SF 10" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	13.26	
For 2,000 PSI Concrete, Deduct	-0.47	
For 2,500 PSI Concrete, Deduct	-0.23	
For 3,500 PSI Concrete, Add	0.16	
For 4,000 PSI Concrete, Add	0.54	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
For Up To 500, Add	4.50	
For >500 To 1,000, Add	3.14	
For >1,000 To 2,000, Add	1.79	
For >2,000 To 5,000, Add	0.89	
For >10,000 To 20,000, Deduct	-0.43	
For >20,000 To 35,000, Deduct	-0.76	
For >35,000 To 50,000, Deduct	-1.10	
For >50,000 To 70,000, Deduct	-1.43	
For >70,000, Deduct	-1.76	
03 31 13 00-0009 SF 12" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	14.91	
For 2,000 PSI Concrete, Deduct	-0.54	
For 2,500 PSI Concrete, Deduct	-0.27	
For 3,500 PSI Concrete, Add	0.19	
For 4,000 PSI Concrete, Add	0.63	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
For Up To 500, Add	4.96	
For >500 To 1,000, Add	3.47	
For >1,000 To 2,000, Add	1.99	
For >2,000 To 5,000, Add	0.99	
For >10,000 To 20,000, Deduct	-0.50	
For >20,000 To 35,000, Deduct	-0.87	
For >35,000 To 50,000, Deduct	-1.24	
For >50,000 To 70,000, Deduct	-1.62	
For >70,000, Deduct	-1.99	
<b>03 31 13 00-0010 Concrete Delivery And Placement</b> <small>(03 31 13)</small>		
Note: Includes cleaning out equipment and standard concrete placement tests.		
<b>03 31 13 00-0011 Place Concrete By Method Indicated</b> <small>(03 31 13 00-0010)</small>		
Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.		
<b>03 31 13 00-0012 Place Concrete Pile Caps</b> <small>(03 31 13 00-0011)</small>		
03 31 13 00-0013 CY Crane And Bucket, Place 3,000 PSI Concrete Pile Caps .....	284.97	
For 2,000 PSI Concrete, Deduct	-9.00	
For 2,500 PSI Concrete, Deduct	-4.50	
For 3,500 PSI Concrete, Add	8.33	
For 3,750 PSI Concrete, Add	11.33	
For 4,000 PSI Concrete, Add	14.33	
For 4,500 PSI Concrete, Add	16.66	
For 5,000 PSI Concrete, Add	18.99	
For 6,000 PSI Concrete, Add	44.99	
For White Cement Concrete, Add	19.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
For High Early Strength, Type 3 ASTM C150, Add	16.66	
For Lightweight Aggregate, ASTM C330, Add	49.99	
For Up To 20, Add	47.34	
For >20 To 50, Add	17.75	
For >100 To 200, Deduct	-5.70	
For >200 To 400, Deduct	-11.40	
For >400, Deduct	-17.10	
03 31 13 00-0014 CY Direct Chute, Place 3,000 PSI Concrete Pile Caps .....	218.11	
For 2,000 PSI Concrete, Deduct	-9.00	
For 2,500 PSI Concrete, Deduct	-4.50	
For 3,500 PSI Concrete, Add	8.33	
For 3,750 PSI Concrete, Add	11.33	
For 4,000 PSI Concrete, Add	14.33	
For 4,500 PSI Concrete, Add	16.66	
For 5,000 PSI Concrete, Add	18.99	
For 6,000 PSI Concrete, Add	44.99	
For White Cement Concrete, Add	19.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
For High Early Strength, Type 3 ASTM C150, Add	16.66	
For Lightweight Aggregate, ASTM C330, Add	49.98	
For Up To 20, Add	20.60	
For >20 To 50, Add	7.73	
For >100 To 200, Deduct	-4.36	
For >200 To 400, Deduct	-8.72	
For >400, Deduct	-13.09	

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0015	CY	Concrete Pump, Place 3,000 PSI Concrete Pile Caps.....	229.54
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-9.75
		For 2,500 PSI Concrete, Deduct	-4.87
		For 3,500 PSI Concrete, Add	9.03
		For 3,750 PSI Concrete, Add	12.27
		For 4,000 PSI Concrete, Add	15.52
		For 4,500 PSI Concrete, Add	18.05
		For 5,000 PSI Concrete, Add	20.58
		For 6,000 PSI Concrete, Add	48.74
		For White Cement Concrete, Add	21.66
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.47
		For High Early Strength, Type 3 ASTM C150, Add	18.05
		For Lightweight Aggregate, ASTM C330, Add	54.15
		For Up To 20, Add	19.62
		For >20 To 50, Add	7.36
		For >100 To 200, Deduct	-4.59
		For >200 To 400, Deduct	-9.18
		For >400, Deduct	-13.77
<b>03 31 13 00-0016</b>		<b>Place Concrete Continuous Footings</b> (03 31 13 00-0011)	
03 31 13 00-0017	CY	Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings.....	271.82
		For 2,000 PSI Concrete, Deduct	-9.00
		For 2,500 PSI Concrete, Deduct	-4.50
		For 3,500 PSI Concrete, Add	8.33
		For 3,750 PSI Concrete, Add	11.33
		For 4,000 PSI Concrete, Add	14.33
		For 4,500 PSI Concrete, Add	16.66
		For 5,000 PSI Concrete, Add	18.99
		For 6,000 PSI Concrete, Add	44.98
		For White Cement Concrete, Add	19.99
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66
		For High Early Strength, Type 3 ASTM C150, Add	16.66
		For Lightweight Aggregate, ASTM C330, Add	49.98
		For Up To 20, Add	42.08
		For >20 To 50, Add	15.78
		For >100 To 200, Deduct	-5.44
		For >200 To 400, Deduct	-10.87
		For >400, Deduct	-16.31
03 31 13 00-0018	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings.....	212.38
		For 2,000 PSI Concrete, Deduct	-9.00
		For 2,500 PSI Concrete, Deduct	-4.50
		For 3,500 PSI Concrete, Add	8.33
		For 3,750 PSI Concrete, Add	11.33
		For 4,000 PSI Concrete, Add	14.33
		For 4,500 PSI Concrete, Add	16.66
		For 5,000 PSI Concrete, Add	18.99
		For 6,000 PSI Concrete, Add	44.98
		For White Cement Concrete, Add	19.99
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66
		For High Early Strength, Type 3 ASTM C150, Add	16.66
		For Lightweight Aggregate, ASTM C330, Add	49.98
		For Up To 20, Add	18.31
		For >20 To 50, Add	6.87
		For >100 To 200, Deduct	-4.25
		For >200 To 400, Deduct	-8.50
		For >400, Deduct	-12.74
03 31 13 00-0019	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings.....	224.09
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-9.75
		For 2,500 PSI Concrete, Deduct	-4.87
		For 3,500 PSI Concrete, Add	9.03
		For 3,750 PSI Concrete, Add	12.27
		For 4,000 PSI Concrete, Add	15.52
		For 4,500 PSI Concrete, Add	18.05
		For 5,000 PSI Concrete, Add	20.58
		For 6,000 PSI Concrete, Add	48.74
		For White Cement Concrete, Add	21.66
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.47
		For High Early Strength, Type 3 ASTM C150, Add	18.05
		For Lightweight Aggregate, ASTM C330, Add	54.15
		For Up To 20, Add	17.44
		For >20 To 50, Add	6.54
		For >100 To 200, Deduct	-4.48
		For >200 To 400, Deduct	-8.96
		For >400, Deduct	-13.45
<b>03 31 13 00-0020</b>		<b>Place Concrete Spread Footings</b> (03 31 13 00-0011)	



<b>Concrete</b>	<b>03</b>	<b>CS</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0021 CY Crane And Bucket, Place 3,000 PSI Concrete Spread Footings .....	344.15	
For 2,000 PSI Concrete, Deduct	-9.00	
For 2,500 PSI Concrete, Deduct	-4.50	
For 3,500 PSI Concrete, Add	8.33	
For 3,750 PSI Concrete, Add	11.33	
For 4,000 PSI Concrete, Add	14.33	
For 4,500 PSI Concrete, Add	16.66	
For 5,000 PSI Concrete, Add	18.99	
For 6,000 PSI Concrete, Add	44.98	
For White Cement Concrete, Add	19.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
For High Early Strength, Type 3 ASTM C150, Add	16.66	
For Lightweight Aggregate, ASTM C330, Add	49.98	
For Up To 20, Add	71.02	
For >20 To 50, Add	26.63	
For >100 To 200, Deduct	-6.88	
For >200 To 400, Deduct	-13.77	
For >400, Deduct	-20.65	
03 31 13 00-0022 CY Direct Chute, Place 3,000 PSI Concrete Spread Footings .....	243.84	
For 2,000 PSI Concrete, Deduct	-9.00	
For 2,500 PSI Concrete, Deduct	-4.50	
For 3,500 PSI Concrete, Add	8.33	
For 3,750 PSI Concrete, Add	11.33	
For 4,000 PSI Concrete, Add	14.33	
For 4,500 PSI Concrete, Add	16.66	
For 5,000 PSI Concrete, Add	18.99	
For 6,000 PSI Concrete, Add	44.98	
For White Cement Concrete, Add	19.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
For High Early Strength, Type 3 ASTM C150, Add	16.66	
For Lightweight Aggregate, ASTM C330, Add	49.98	
For Up To 20, Add	30.89	
For >20 To 50, Add	11.58	
For >100 To 200, Deduct	-4.88	
For >200 To 400, Deduct	-9.75	
For >400, Deduct	-14.63	
03 31 13 00-0023 CY Concrete Pump, Place 3,000 PSI Concrete Spread Footings .....	254.06	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-9.75	
For 2,500 PSI Concrete, Deduct	-4.87	
For 3,500 PSI Concrete, Add	9.03	
For 3,750 PSI Concrete, Add	12.27	
For 4,000 PSI Concrete, Add	15.52	
For 4,500 PSI Concrete, Add	18.05	
For 5,000 PSI Concrete, Add	20.58	
For 6,000 PSI Concrete, Add	48.74	
For White Cement Concrete, Add	21.66	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.47	
For High Early Strength, Type 3 ASTM C150, Add	18.05	
For Lightweight Aggregate, ASTM C330, Add	54.15	
For Up To 20, Add	29.42	
For >20 To 50, Add	11.03	
For >100 To 200, Deduct	-5.08	
For >200 To 400, Deduct	-10.16	
For >400, Deduct	-15.24	
<b>03 31 13 00-0024 Place Concrete Mat Foundation (03 31 13 00-0011)</b>		
03 31 13 00-0025 CY Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation .....	198.17	
For 2,000 PSI Concrete, Deduct	-9.00	
For 2,500 PSI Concrete, Deduct	-4.50	
For 3,500 PSI Concrete, Add	8.33	
For 3,750 PSI Concrete, Add	11.33	
For 4,000 PSI Concrete, Add	14.33	
For 4,500 PSI Concrete, Add	16.66	
For 5,000 PSI Concrete, Add	18.99	
For 6,000 PSI Concrete, Add	44.98	
For White Cement Concrete, Add	19.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
For High Early Strength, Type 3 ASTM C150, Add	16.66	
For Lightweight Aggregate, ASTM C330, Add	49.98	
For Up To 20, Add	12.62	
For >20 To 50, Add	4.73	
For >100 To 200, Deduct	-3.96	
For >200 To 400, Deduct	-7.93	
For >400, Deduct	-11.89	

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0026	CY Direct Chute, Place 3,000 PSI Concrete Mat Foundation.....	180.35	
	For 2,000 PSI Concrete, Deduct	-9.00	
	For 2,500 PSI Concrete, Deduct	-4.50	
	For 3,500 PSI Concrete, Add	8.33	
	For 3,750 PSI Concrete, Add	11.33	
	For 4,000 PSI Concrete, Add	14.33	
	For 4,500 PSI Concrete, Add	16.66	
	For 5,000 PSI Concrete, Add	18.99	
	For 6,000 PSI Concrete, Add	44.98	
	For White Cement Concrete, Add	19.99	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
	For High Early Strength, Type 3 ASTM C150, Add	16.66	
	For Lightweight Aggregate, ASTM C330, Add	49.98	
	For Up To 20, Add	5.50	
	For >20 To 50, Add	2.06	
	For >100 To 200, Deduct	-3.61	
	For >200 To 400, Deduct	-7.21	
	For >400, Deduct	-10.82	
03 31 13 00-0027	CY Concrete Pump, Place 3,000 PSI Concrete Mat Foundation.....	191.94	
	Note: Excludes pumping equipment.		
	For 2,000 PSI Concrete, Deduct	-9.75	
	For 2,500 PSI Concrete, Deduct	-4.87	
	For 3,500 PSI Concrete, Add	9.03	
	For 3,750 PSI Concrete, Add	12.27	
	For 4,000 PSI Concrete, Add	15.52	
	For 4,500 PSI Concrete, Add	18.05	
	For 5,000 PSI Concrete, Add	20.58	
	For 6,000 PSI Concrete, Add	48.74	
	For White Cement Concrete, Add	21.66	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.47	
	For High Early Strength, Type 3 ASTM C150, Add	18.05	
	For Lightweight Aggregate, ASTM C330, Add	54.15	
	For Up To 20, Add	4.58	
	For >20 To 50, Add	1.72	
	For >100 To 200, Deduct	-3.84	
	For >200 To 400, Deduct	-7.68	
	For >400, Deduct	-11.52	
03 31 13 00-0028	Place Concrete Grade Beams (03 31 13 00-0011)		
03 31 13 00-0029	CY Crane And Bucket, Place 3,000 PSI Concrete Grade Beams.....	250.77	
	For 2,000 PSI Concrete, Deduct	-9.00	
	For 2,500 PSI Concrete, Deduct	-4.50	
	For 3,500 PSI Concrete, Add	8.33	
	For 3,750 PSI Concrete, Add	11.33	
	For 4,000 PSI Concrete, Add	14.33	
	For 4,500 PSI Concrete, Add	16.66	
	For 5,000 PSI Concrete, Add	18.99	
	For 6,000 PSI Concrete, Add	44.98	
	For White Cement Concrete, Add	19.99	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
	For High Early Strength, Type 3 ASTM C150, Add	16.66	
	For Lightweight Aggregate, ASTM C330, Add	49.98	
	For Up To 20, Add	33.66	
	For >20 To 50, Add	12.62	
	For >100 To 200, Deduct	-5.02	
	For >200 To 400, Deduct	-10.03	
	For >400, Deduct	-15.05	
03 31 13 00-0030	CY Direct Chute, Place 3,000 PSI Concrete Grade Beams.....	203.23	
	For 2,000 PSI Concrete, Deduct	-9.00	
	For 2,500 PSI Concrete, Deduct	-4.50	
	For 3,500 PSI Concrete, Add	8.33	
	For 3,750 PSI Concrete, Add	11.33	
	For 4,000 PSI Concrete, Add	14.33	
	For 4,500 PSI Concrete, Add	16.66	
	For 5,000 PSI Concrete, Add	18.99	
	For 6,000 PSI Concrete, Add	44.98	
	For White Cement Concrete, Add	19.99	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
	For High Early Strength, Type 3 ASTM C150, Add	16.66	
	For Lightweight Aggregate, ASTM C330, Add	49.98	
	For Up To 20, Add	14.65	
	For >20 To 50, Add	5.49	
	For >100 To 200, Deduct	-4.06	
	For >200 To 400, Deduct	-8.13	
	For >400, Deduct	-12.19	





<b>Concrete</b>	<b>03</b>	<b>CS</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0031 CY Concrete Pump, Place 3,000 PSI Concrete Grade Beams.....	215.38	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-9.75	
For 2,500 PSI Concrete, Deduct	-4.87	
For 3,500 PSI Concrete, Add	9.03	
For 3,750 PSI Concrete, Add	12.27	
For 4,000 PSI Concrete, Add	15.52	
For 4,500 PSI Concrete, Add	18.05	
For 5,000 PSI Concrete, Add	20.58	
For 6,000 PSI Concrete, Add	48.74	
For White Cement Concrete, Add	21.66	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.47	
For High Early Strength, Type 3 ASTM C150, Add	18.05	
For Lightweight Aggregate, ASTM C330, Add	54.15	
For Up To 20, Add	13.95	
For >20 To 50, Add	5.23	
For >100 To 200, Deduct	-4.31	
For >200 To 400, Deduct	-8.62	
For >400, Deduct	-12.92	
<b>03 31 13 00-0032 Place Concrete Slab On Grade</b> <small>(03 31 13 00-0011)</small>		
03 31 13 00-0033 CY Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade.....	252.75	
For 2,000 PSI Concrete, Deduct	-9.00	
For 2,500 PSI Concrete, Deduct	-4.50	
For 3,500 PSI Concrete, Add	8.33	
For 3,750 PSI Concrete, Add	11.33	
For 4,000 PSI Concrete, Add	14.33	
For 4,500 PSI Concrete, Add	16.66	
For 5,000 PSI Concrete, Add	18.99	
For 6,000 PSI Concrete, Add	44.98	
For White Cement Concrete, Add	19.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
For High Early Strength, Type 3 ASTM C150, Add	16.66	
For Lightweight Aggregate, ASTM C330, Add	49.98	
For Up To 20, Add	34.46	
For >20 To 50, Add	12.92	
For >100 To 200, Deduct	-5.06	
For >200 To 400, Deduct	-10.11	
For >400, Deduct	-15.17	
03 31 13 00-0034 CY >6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade .....	231.98	
For 2,000 PSI Concrete, Deduct	-9.00	
For 2,500 PSI Concrete, Deduct	-4.50	
For 3,500 PSI Concrete, Add	8.33	
For 3,750 PSI Concrete, Add	11.33	
For 4,000 PSI Concrete, Add	14.33	
For 4,500 PSI Concrete, Add	16.66	
For 5,000 PSI Concrete, Add	18.99	
For 6,000 PSI Concrete, Add	44.98	
For White Cement Concrete, Add	19.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
For High Early Strength, Type 3 ASTM C150, Add	16.66	
For Lightweight Aggregate, ASTM C330, Add	49.98	
For Up To 20, Add	26.15	
For >20 To 50, Add	9.81	
For >100 To 200, Deduct	-4.64	
For >200 To 400, Deduct	-9.28	
For >400, Deduct	-13.92	
03 31 13 00-0035 CY Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	204.09	
For 2,000 PSI Concrete, Deduct	-9.00	
For 2,500 PSI Concrete, Deduct	-4.50	
For 3,500 PSI Concrete, Add	8.33	
For 3,750 PSI Concrete, Add	11.33	
For 4,000 PSI Concrete, Add	14.33	
For 4,500 PSI Concrete, Add	16.66	
For 5,000 PSI Concrete, Add	18.99	
For 6,000 PSI Concrete, Add	44.98	
For White Cement Concrete, Add	19.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
For High Early Strength, Type 3 ASTM C150, Add	16.66	
For Lightweight Aggregate, ASTM C330, Add	49.98	
For Up To 20, Add	14.99	
For >20 To 50, Add	5.62	
For >100 To 200, Deduct	-4.08	
For >200 To 400, Deduct	-8.16	
For >400, Deduct	-12.25	

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0036	CY	>6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	195.04
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.00
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.50
		<i>For 3,500 PSI Concrete, Add</i>	8.33
		<i>For 3,750 PSI Concrete, Add</i>	11.33
		<i>For 4,000 PSI Concrete, Add</i>	14.33
		<i>For 4,500 PSI Concrete, Add</i>	16.66
		<i>For 5,000 PSI Concrete, Add</i>	18.99
		<i>For 6,000 PSI Concrete, Add</i>	44.98
		<i>For White Cement Concrete, Add</i>	19.99
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	21.66
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.66
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	49.98
		<i>For Up To 20, Add</i>	11.37
		<i>For &gt;20 To 50, Add</i>	4.26
		<i>For &gt;100 To 200, Deduct</i>	-3.90
		<i>For &gt;200 To 400, Deduct</i>	-7.80
		<i>For &gt;400, Deduct</i>	-11.70
03 31 13 00-0037	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	211.73
		Note: Excludes pumping equipment.	
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.75
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.87
		<i>For 3,500 PSI Concrete, Add</i>	9.03
		<i>For 3,750 PSI Concrete, Add</i>	12.27
		<i>For 4,000 PSI Concrete, Add</i>	15.52
		<i>For 4,500 PSI Concrete, Add</i>	18.05
		<i>For 5,000 PSI Concrete, Add</i>	20.58
		<i>For 6,000 PSI Concrete, Add</i>	48.74
		<i>For White Cement Concrete, Add</i>	21.66
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	23.47
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	18.05
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	54.15
		<i>For Up To 20, Add</i>	12.49
		<i>For &gt;20 To 50, Add</i>	4.68
		<i>For &gt;100 To 200, Deduct</i>	-4.23
		<i>For &gt;200 To 400, Deduct</i>	-8.47
		<i>For &gt;400, Deduct</i>	-12.70
03 31 13 00-0038	CY	>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	204.19
		Note: Excludes pumping equipment.	
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.75
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.87
		<i>For 3,500 PSI Concrete, Add</i>	9.03
		<i>For 3,750 PSI Concrete, Add</i>	12.27
		<i>For 4,000 PSI Concrete, Add</i>	15.52
		<i>For 4,500 PSI Concrete, Add</i>	18.05
		<i>For 5,000 PSI Concrete, Add</i>	20.58
		<i>For 6,000 PSI Concrete, Add</i>	48.74
		<i>For White Cement Concrete, Add</i>	21.66
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	23.47
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	18.05
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	54.15
		<i>For Up To 20, Add</i>	9.48
		<i>For &gt;20 To 50, Add</i>	3.55
		<i>For &gt;100 To 200, Deduct</i>	-4.08
		<i>For &gt;200 To 400, Deduct</i>	-8.17
		<i>For &gt;400, Deduct</i>	-12.25
03 31 13 00-0039		<b>Place Concrete Stairs</b> (03 31 13 00-0011)	
03 31 13 00-0040	CY	Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs.....	554.19
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.00
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.50
		<i>For 3,500 PSI Concrete, Add</i>	8.33
		<i>For 3,750 PSI Concrete, Add</i>	11.33
		<i>For 4,000 PSI Concrete, Add</i>	14.33
		<i>For 4,500 PSI Concrete, Add</i>	16.66
		<i>For 5,000 PSI Concrete, Add</i>	18.99
		<i>For 6,000 PSI Concrete, Add</i>	44.98
		<i>For White Cement Concrete, Add</i>	19.99
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	21.66
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.66
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	49.98
		<i>For Up To 20, Add</i>	155.03
		<i>For &gt;20 To 50, Add</i>	58.14
		<i>For &gt;100 To 200, Deduct</i>	-11.08
		<i>For &gt;200 To 400, Deduct</i>	-22.17
		<i>For &gt;400, Deduct</i>	-33.25



<b>Concrete</b>	<b>03</b>	<b>CS</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0041 CY Direct Chute, Place 3,000 PSI On Grade Concrete Stairs.....	335.26	
For 2,000 PSI Concrete, Deduct	-9.00	
For 2,500 PSI Concrete, Deduct	-4.50	
For 3,500 PSI Concrete, Add	8.33	
For 3,750 PSI Concrete, Add	11.33	
For 4,000 PSI Concrete, Add	14.33	
For 4,500 PSI Concrete, Add	16.66	
For 5,000 PSI Concrete, Add	18.99	
For 6,000 PSI Concrete, Add	44.98	
For White Cement Concrete, Add	19.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
For High Early Strength, Type 3 ASTM C150, Add	16.66	
For Lightweight Aggregate, ASTM C330, Add	49.98	
For Up To 20, Add	67.46	
For >20 To 50, Add	25.30	
For >100 To 200, Deduct	-6.71	
For >200 To 400, Deduct	-13.41	
For >400, Deduct	-20.12	
03 31 13 00-0042 CY Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs.....	321.06	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-9.75	
For 2,500 PSI Concrete, Deduct	-4.87	
For 3,500 PSI Concrete, Add	9.03	
For 3,750 PSI Concrete, Add	12.27	
For 4,000 PSI Concrete, Add	15.52	
For 4,500 PSI Concrete, Add	18.05	
For 5,000 PSI Concrete, Add	20.58	
For 6,000 PSI Concrete, Add	48.74	
For White Cement Concrete, Add	21.66	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.47	
For High Early Strength, Type 3 ASTM C150, Add	18.05	
For Lightweight Aggregate, ASTM C330, Add	54.15	
For Up To 20, Add	56.22	
For >20 To 50, Add	21.08	
For >100 To 200, Deduct	-6.42	
For >200 To 400, Deduct	-12.84	
For >400, Deduct	-19.26	
<b>03 31 13 00-0043 Place Concrete Superstructure By Method Indicated (03 31 13 00-0010)</b>		
See CSI section 03 37 16 00-0001 for concrete pump truck.		
<b>03 31 13 00-0044 Place Elevated Concrete Beams (03 31 13 00-0043)</b>		
03 31 13 00-0045 CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams.....	377.02	
For 2,000 PSI Concrete, Deduct	-9.00	
For 2,500 PSI Concrete, Deduct	-4.50	
For 3,500 PSI Concrete, Add	8.33	
For 3,750 PSI Concrete, Add	11.33	
For 4,000 PSI Concrete, Add	14.33	
For 4,500 PSI Concrete, Add	16.66	
For 5,000 PSI Concrete, Add	18.99	
For 6,000 PSI Concrete, Add	44.98	
For White Cement Concrete, Add	19.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
For High Early Strength, Type 3 ASTM C150, Add	16.66	
For Lightweight Aggregate, ASTM C330, Add	49.98	
For Up To 20, Add	84.16	
For >20 To 50, Add	31.56	
For >100 To 200, Deduct	-7.54	
For >200 To 400, Deduct	-15.08	
For >400, Deduct	-22.62	
03 31 13 00-0046 CY Concrete Pump, Place 3,000 PSI Elevated Concrete Beams.....	267.68	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-9.75	
For 2,500 PSI Concrete, Deduct	-4.87	
For 3,500 PSI Concrete, Add	9.03	
For 3,750 PSI Concrete, Add	12.27	
For 4,000 PSI Concrete, Add	15.52	
For 4,500 PSI Concrete, Add	18.05	
For 5,000 PSI Concrete, Add	20.58	
For 6,000 PSI Concrete, Add	48.74	
For White Cement Concrete, Add	21.66	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.47	
For High Early Strength, Type 3 ASTM C150, Add	18.05	
For Lightweight Aggregate, ASTM C330, Add	54.15	
For Up To 20, Add	34.87	
For >20 To 50, Add	13.08	
For >100 To 200, Deduct	-5.35	
For >200 To 400, Deduct	-10.71	
For >400, Deduct	-16.06	
<b>03 31 13 00-0047 Place Elevated Concrete Slab (03 31 13 00-0043)</b>		

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0048	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab.....	265.67	
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.00	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.50	
		<i>For 3,500 PSI Concrete, Add</i>	8.33	
		<i>For 3,750 PSI Concrete, Add</i>	11.33	
		<i>For 4,000 PSI Concrete, Add</i>	14.33	
		<i>For 4,500 PSI Concrete, Add</i>	16.66	
		<i>For 5,000 PSI Concrete, Add</i>	18.99	
		<i>For 6,000 PSI Concrete, Add</i>	44.98	
		<i>For White Cement Concrete, Add</i>	19.99	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	21.66	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.66	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	49.98	
		<i>For Up To 20, Add</i>	39.62	
		<i>For &gt;20 To 50, Add</i>	14.86	
		<i>For &gt;100 To 200, Deduct</i>	-5.31	
		<i>For &gt;200 To 400, Deduct</i>	-10.63	
		<i>For &gt;400, Deduct</i>	-15.94	
03 31 13 00-0049	CY	>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab .....	241.77	
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.00	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.50	
		<i>For 3,500 PSI Concrete, Add</i>	8.33	
		<i>For 3,750 PSI Concrete, Add</i>	11.33	
		<i>For 4,000 PSI Concrete, Add</i>	14.33	
		<i>For 4,500 PSI Concrete, Add</i>	16.66	
		<i>For 5,000 PSI Concrete, Add</i>	18.99	
		<i>For 6,000 PSI Concrete, Add</i>	44.98	
		<i>For White Cement Concrete, Add</i>	19.99	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	21.66	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.66	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	49.98	
		<i>For Up To 20, Add</i>	30.06	
		<i>For &gt;20 To 50, Add</i>	11.27	
		<i>For &gt;100 To 200, Deduct</i>	-4.84	
		<i>For &gt;200 To 400, Deduct</i>	-9.67	
		<i>For &gt;400, Deduct</i>	-14.51	
03 31 13 00-0050	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab.....	221.55	
		Note: Excludes pumping equipment.		
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.75	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.87	
		<i>For 3,500 PSI Concrete, Add</i>	9.03	
		<i>For 3,750 PSI Concrete, Add</i>	12.27	
		<i>For 4,000 PSI Concrete, Add</i>	15.52	
		<i>For 4,500 PSI Concrete, Add</i>	18.05	
		<i>For 5,000 PSI Concrete, Add</i>	20.58	
		<i>For 6,000 PSI Concrete, Add</i>	48.74	
		<i>For White Cement Concrete, Add</i>	21.66	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	23.47	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	18.05	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	54.15	
		<i>For Up To 20, Add</i>	16.42	
		<i>For &gt;20 To 50, Add</i>	6.16	
		<i>For &gt;100 To 200, Deduct</i>	-4.43	
		<i>For &gt;200 To 400, Deduct</i>	-8.86	
		<i>For &gt;400, Deduct</i>	-13.29	
03 31 13 00-0051	CY	>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab .....	211.65	
		Note: Excludes pumping equipment.		
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.75	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.87	
		<i>For 3,500 PSI Concrete, Add</i>	9.03	
		<i>For 3,750 PSI Concrete, Add</i>	12.27	
		<i>For 4,000 PSI Concrete, Add</i>	15.52	
		<i>For 4,500 PSI Concrete, Add</i>	18.05	
		<i>For 5,000 PSI Concrete, Add</i>	20.58	
		<i>For 6,000 PSI Concrete, Add</i>	48.74	
		<i>For White Cement Concrete, Add</i>	21.66	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	23.47	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	18.05	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	54.15	
		<i>For Up To 20, Add</i>	12.46	
		<i>For &gt;20 To 50, Add</i>	4.67	
		<i>For &gt;100 To 200, Deduct</i>	-4.23	
		<i>For &gt;200 To 400, Deduct</i>	-8.47	
		<i>For &gt;400, Deduct</i>	-12.70	

03 31 13 00-0052 Place Concrete Columns (03 31 13 00-0043)



<b>Concrete</b>	<b>03</b>	<b>CSU</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0053 CY 12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns .....	393.86	
For 2,000 PSI Concrete, Deduct	-9.00	
For 2,500 PSI Concrete, Deduct	-4.50	
For 3,500 PSI Concrete, Add	8.33	
For 3,750 PSI Concrete, Add	11.33	
For 4,000 PSI Concrete, Add	14.33	
For 4,500 PSI Concrete, Add	16.66	
For 5,000 PSI Concrete, Add	18.99	
For 6,000 PSI Concrete, Add	44.98	
For White Cement Concrete, Add	19.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
For High Early Strength, Type 3 ASTM C150, Add	16.66	
For Lightweight Aggregate, ASTM C330, Add	49.98	
For Up To 20, Add	90.90	
For >20 To 50, Add	34.09	
For >100 To 200, Deduct	-7.88	
For >200 To 400, Deduct	-15.75	
For >400, Deduct	-23.63	
03 31 13 00-0054 CY 18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns .....	331.79	
For 2,000 PSI Concrete, Deduct	-9.00	
For 2,500 PSI Concrete, Deduct	-4.50	
For 3,500 PSI Concrete, Add	8.33	
For 3,750 PSI Concrete, Add	11.33	
For 4,000 PSI Concrete, Add	14.33	
For 4,500 PSI Concrete, Add	16.66	
For 5,000 PSI Concrete, Add	18.99	
For 6,000 PSI Concrete, Add	44.98	
For White Cement Concrete, Add	19.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
For High Early Strength, Type 3 ASTM C150, Add	16.66	
For Lightweight Aggregate, ASTM C330, Add	49.98	
For Up To 20, Add	66.07	
For >20 To 50, Add	24.78	
For >100 To 200, Deduct	-6.64	
For >200 To 400, Deduct	-13.27	
For >400, Deduct	-19.91	
03 31 13 00-0055 CY 24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns .....	287.39	
For 2,000 PSI Concrete, Deduct	-9.00	
For 2,500 PSI Concrete, Deduct	-4.50	
For 3,500 PSI Concrete, Add	8.33	
For 3,750 PSI Concrete, Add	11.33	
For 4,000 PSI Concrete, Add	14.33	
For 4,500 PSI Concrete, Add	16.66	
For 5,000 PSI Concrete, Add	18.99	
For 6,000 PSI Concrete, Add	44.98	
For White Cement Concrete, Add	19.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
For High Early Strength, Type 3 ASTM C150, Add	16.66	
For Lightweight Aggregate, ASTM C330, Add	49.98	
For Up To 20, Add	48.31	
For >20 To 50, Add	18.12	
For >100 To 200, Deduct	-5.75	
For >200 To 400, Deduct	-11.50	
For >400, Deduct	-17.24	
03 31 13 00-0056 CY 36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns .....	267.61	
For 2,000 PSI Concrete, Deduct	-9.00	
For 2,500 PSI Concrete, Deduct	-4.50	
For 3,500 PSI Concrete, Add	8.33	
For 3,750 PSI Concrete, Add	11.33	
For 4,000 PSI Concrete, Add	14.33	
For 4,500 PSI Concrete, Add	16.66	
For 5,000 PSI Concrete, Add	18.99	
For 6,000 PSI Concrete, Add	44.98	
For White Cement Concrete, Add	19.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
For High Early Strength, Type 3 ASTM C150, Add	16.66	
For Lightweight Aggregate, ASTM C330, Add	49.98	
For Up To 20, Add	40.40	
For >20 To 50, Add	15.15	
For >100 To 200, Deduct	-5.35	
For >200 To 400, Deduct	-10.70	
For >400, Deduct	-16.06	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0057	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....	274.66
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-9.75
		For 2,500 PSI Concrete, Deduct	-4.87
		For 3,500 PSI Concrete, Add	9.03
		For 3,750 PSI Concrete, Add	12.27
		For 4,000 PSI Concrete, Add	15.52
		For 4,500 PSI Concrete, Add	18.05
		For 5,000 PSI Concrete, Add	20.58
		For 6,000 PSI Concrete, Add	48.74
		For White Cement Concrete, Add	21.66
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.47
		For High Early Strength, Type 3 ASTM C150, Add	18.05
		For Lightweight Aggregate, ASTM C330, Add	54.15
		For Up To 20, Add	37.66
		For >20 To 50, Add	14.12
		For >100 To 200, Deduct	-5.49
		For >200 To 400, Deduct	-10.99
		For >400, Deduct	-16.48
03 31 13 00-0058	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....	248.94
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-9.75
		For 2,500 PSI Concrete, Deduct	-4.87
		For 3,500 PSI Concrete, Add	9.03
		For 3,750 PSI Concrete, Add	12.27
		For 4,000 PSI Concrete, Add	15.52
		For 4,500 PSI Concrete, Add	18.05
		For 5,000 PSI Concrete, Add	20.58
		For 6,000 PSI Concrete, Add	48.74
		For White Cement Concrete, Add	21.66
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.47
		For High Early Strength, Type 3 ASTM C150, Add	18.05
		For Lightweight Aggregate, ASTM C330, Add	54.15
		For Up To 20, Add	27.38
		For >20 To 50, Add	10.27
		For >100 To 200, Deduct	-4.98
		For >200 To 400, Deduct	-9.96
		For >400, Deduct	-14.94
03 31 13 00-0059	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....	230.55
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-9.75
		For 2,500 PSI Concrete, Deduct	-4.87
		For 3,500 PSI Concrete, Add	9.03
		For 3,750 PSI Concrete, Add	12.27
		For 4,000 PSI Concrete, Add	15.52
		For 4,500 PSI Concrete, Add	18.05
		For 5,000 PSI Concrete, Add	20.58
		For 6,000 PSI Concrete, Add	48.74
		For White Cement Concrete, Add	21.66
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.47
		For High Early Strength, Type 3 ASTM C150, Add	18.05
		For Lightweight Aggregate, ASTM C330, Add	54.15
		For Up To 20, Add	20.02
		For >20 To 50, Add	7.51
		For >100 To 200, Deduct	-4.61
		For >200 To 400, Deduct	-9.22
		For >400, Deduct	-13.83
03 31 13 00-0060	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....	222.34
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-9.75
		For 2,500 PSI Concrete, Deduct	-4.87
		For 3,500 PSI Concrete, Add	9.03
		For 3,750 PSI Concrete, Add	12.27
		For 4,000 PSI Concrete, Add	15.52
		For 4,500 PSI Concrete, Add	18.05
		For 5,000 PSI Concrete, Add	20.58
		For 6,000 PSI Concrete, Add	48.74
		For White Cement Concrete, Add	21.66
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.47
		For High Early Strength, Type 3 ASTM C150, Add	18.05
		For Lightweight Aggregate, ASTM C330, Add	54.15
		For Up To 20, Add	16.74
		For >20 To 50, Add	6.28
		For >100 To 200, Deduct	-4.45
		For >200 To 400, Deduct	-8.89
		For >400, Deduct	-13.34

03 31 13 00-0061 Place Concrete Walls (03 31 13 00-0043)



<b>Concrete</b>	<b>03</b>	<b>CS</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0062 CY Up To 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls .....	379.65	
For 2,000 PSI Concrete, Deduct	-9.00	
For 2,500 PSI Concrete, Deduct	-4.50	
For 3,500 PSI Concrete, Add	8.33	
For 3,750 PSI Concrete, Add	11.33	
For 4,000 PSI Concrete, Add	14.33	
For 4,500 PSI Concrete, Add	16.66	
For 5,000 PSI Concrete, Add	18.99	
For 6,000 PSI Concrete, Add	44.98	
For White Cement Concrete, Add	19.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
For High Early Strength, Type 3 ASTM C150, Add	16.66	
For Lightweight Aggregate, ASTM C330, Add	49.98	
For Up To 20, Add	85.22	
For >20 To 50, Add	31.96	
For >100 To 200, Deduct	-7.59	
For >200 To 400, Deduct	-15.19	
For >400, Deduct	-22.78	
03 31 13 00-0063 CY 12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls .....	361.98	
For 2,000 PSI Concrete, Deduct	-9.00	
For 2,500 PSI Concrete, Deduct	-4.50	
For 3,500 PSI Concrete, Add	8.33	
For 3,750 PSI Concrete, Add	11.33	
For 4,000 PSI Concrete, Add	14.33	
For 4,500 PSI Concrete, Add	16.66	
For 5,000 PSI Concrete, Add	18.99	
For 6,000 PSI Concrete, Add	44.98	
For White Cement Concrete, Add	19.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
For High Early Strength, Type 3 ASTM C150, Add	16.66	
For Lightweight Aggregate, ASTM C330, Add	49.98	
For Up To 20, Add	78.15	
For >20 To 50, Add	29.31	
For >100 To 200, Deduct	-7.24	
For >200 To 400, Deduct	-14.48	
For >400, Deduct	-21.72	
03 31 13 00-0064 CY 15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls .....	315.74	
For 2,000 PSI Concrete, Deduct	-9.00	
For 2,500 PSI Concrete, Deduct	-4.50	
For 3,500 PSI Concrete, Add	8.33	
For 3,750 PSI Concrete, Add	11.33	
For 4,000 PSI Concrete, Add	14.33	
For 4,500 PSI Concrete, Add	16.66	
For 5,000 PSI Concrete, Add	18.99	
For 6,000 PSI Concrete, Add	44.98	
For White Cement Concrete, Add	19.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
For High Early Strength, Type 3 ASTM C150, Add	16.66	
For Lightweight Aggregate, ASTM C330, Add	49.98	
For Up To 20, Add	59.65	
For >20 To 50, Add	22.37	
For >100 To 200, Deduct	-6.31	
For >200 To 400, Deduct	-12.63	
For >400, Deduct	-18.94	
03 31 13 00-0065 CY Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls .....	259.30	
For 2,000 PSI Concrete, Deduct	-9.00	
For 2,500 PSI Concrete, Deduct	-4.50	
For 3,500 PSI Concrete, Add	8.33	
For 3,750 PSI Concrete, Add	11.33	
For 4,000 PSI Concrete, Add	14.33	
For 4,500 PSI Concrete, Add	16.66	
For 5,000 PSI Concrete, Add	18.99	
For 6,000 PSI Concrete, Add	44.98	
For White Cement Concrete, Add	19.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
For High Early Strength, Type 3 ASTM C150, Add	16.66	
For Lightweight Aggregate, ASTM C330, Add	49.98	
For Up To 20, Add	37.08	
For >20 To 50, Add	13.90	
For >100 To 200, Deduct	-5.19	
For >200 To 400, Deduct	-10.37	
For >400, Deduct	-15.56	

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

03 31 13 00-0066	CY 12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls .....	240.76	
	For 2,000 PSI Concrete, Deduct	-9.00	
	For 2,500 PSI Concrete, Deduct	-4.50	
	For 3,500 PSI Concrete, Add	8.33	
	For 3,750 PSI Concrete, Add	11.33	
	For 4,000 PSI Concrete, Add	14.33	
	For 4,500 PSI Concrete, Add	16.66	
	For 5,000 PSI Concrete, Add	18.99	
	For 6,000 PSI Concrete, Add	44.98	
	For White Cement Concrete, Add	19.99	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
	For High Early Strength, Type 3 ASTM C150, Add	16.66	
	For Lightweight Aggregate, ASTM C330, Add	49.98	
	For Up To 20, Add	29.66	
	For >20 To 50, Add	11.12	
	For >100 To 200, Deduct	-4.82	
	For >200 To 400, Deduct	-9.63	
	For >400, Deduct	-14.45	
03 31 13 00-0067	CY 15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls .....	231.48	
	For 2,000 PSI Concrete, Deduct	-9.00	
	For 2,500 PSI Concrete, Deduct	-4.50	
	For 3,500 PSI Concrete, Add	8.33	
	For 3,750 PSI Concrete, Add	11.33	
	For 4,000 PSI Concrete, Add	14.33	
	For 4,500 PSI Concrete, Add	16.66	
	For 5,000 PSI Concrete, Add	18.99	
	For 6,000 PSI Concrete, Add	44.98	
	For White Cement Concrete, Add	19.99	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
	For High Early Strength, Type 3 ASTM C150, Add	16.66	
	For Lightweight Aggregate, ASTM C330, Add	49.98	
	For Up To 20, Add	25.95	
	For >20 To 50, Add	9.73	
	For >100 To 200, Deduct	-4.63	
	For >200 To 400, Deduct	-9.26	
	For >400, Deduct	-13.89	
03 31 13 00-0068	CY Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls .....	268.77	
	Note: Excludes pumping equipment.		
	For 2,000 PSI Concrete, Deduct	-9.75	
	For 2,500 PSI Concrete, Deduct	-4.87	
	For 3,500 PSI Concrete, Add	9.03	
	For 3,750 PSI Concrete, Add	12.27	
	For 4,000 PSI Concrete, Add	15.52	
	For 4,500 PSI Concrete, Add	18.05	
	For 5,000 PSI Concrete, Add	20.58	
	For 6,000 PSI Concrete, Add	48.74	
	For White Cement Concrete, Add	21.66	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.47	
	For High Early Strength, Type 3 ASTM C150, Add	18.05	
	For Lightweight Aggregate, ASTM C330, Add	54.15	
	For Up To 20, Add	35.31	
	For >20 To 50, Add	13.24	
	For >100 To 200, Deduct	-5.38	
	For >200 To 400, Deduct	-10.75	
	For >400, Deduct	-16.13	
03 31 13 00-0069	CY 12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls .....	251.11	
	Note: Excludes pumping equipment.		
	For 2,000 PSI Concrete, Deduct	-9.75	
	For 2,500 PSI Concrete, Deduct	-4.87	
	For 3,500 PSI Concrete, Add	9.03	
	For 3,750 PSI Concrete, Add	12.27	
	For 4,000 PSI Concrete, Add	15.52	
	For 4,500 PSI Concrete, Add	18.05	
	For 5,000 PSI Concrete, Add	20.58	
	For 6,000 PSI Concrete, Add	48.74	
	For White Cement Concrete, Add	21.66	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.47	
	For High Early Strength, Type 3 ASTM C150, Add	18.05	
	For Lightweight Aggregate, ASTM C330, Add	54.15	
	For Up To 20, Add	28.24	
	For >20 To 50, Add	10.59	
	For >100 To 200, Deduct	-5.02	
	For >200 To 400, Deduct	-10.04	
	For >400, Deduct	-15.07	





<b>Concrete</b>	<b>03</b>	<b>CSU</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0070 CY 15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls .....	242.29	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-9.75	
For 2,500 PSI Concrete, Deduct	-4.87	
For 3,500 PSI Concrete, Add	9.03	
For 3,750 PSI Concrete, Add	12.27	
For 4,000 PSI Concrete, Add	15.52	
For 4,500 PSI Concrete, Add	18.05	
For 5,000 PSI Concrete, Add	20.58	
For 6,000 PSI Concrete, Add	48.74	
For White Cement Concrete, Add	21.66	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.47	
For High Early Strength, Type 3 ASTM C150, Add	18.05	
For Lightweight Aggregate, ASTM C330, Add	54.15	
For Up To 20, Add	24.72	
For >20 To 50, Add	9.27	
For >100 To 200, Deduct	-4.85	
For >200 To 400, Deduct	-9.69	
For >400, Deduct	-14.54	
<b>03 31 13 00-0071 Place Elevated Concrete Stairs (03 31 13 00-0043)</b>		
03 31 13 00-0072 CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs .....	597.29	
For 2,000 PSI Concrete, Deduct	-9.00	
For 2,500 PSI Concrete, Deduct	-4.50	
For 3,500 PSI Concrete, Add	8.33	
For 3,750 PSI Concrete, Add	11.33	
For 4,000 PSI Concrete, Add	14.33	
For 4,500 PSI Concrete, Add	16.66	
For 5,000 PSI Concrete, Add	18.99	
For 6,000 PSI Concrete, Add	44.98	
For White Cement Concrete, Add	19.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
For High Early Strength, Type 3 ASTM C150, Add	16.66	
For Lightweight Aggregate, ASTM C330, Add	49.98	
For Up To 20, Add	172.27	
For >20 To 50, Add	64.60	
For >100 To 200, Deduct	-11.95	
For >200 To 400, Deduct	-23.89	
For >400, Deduct	-35.84	
03 31 13 00-0073 CY Direct Chute, Place 3,000 PSI Elevated Concrete Stairs.....	353.99	
For 2,000 PSI Concrete, Deduct	-9.00	
For 2,500 PSI Concrete, Deduct	-4.50	
For 3,500 PSI Concrete, Add	8.33	
For 3,750 PSI Concrete, Add	11.33	
For 4,000 PSI Concrete, Add	14.33	
For 4,500 PSI Concrete, Add	16.66	
For 5,000 PSI Concrete, Add	18.99	
For 6,000 PSI Concrete, Add	44.98	
For White Cement Concrete, Add	19.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66	
For High Early Strength, Type 3 ASTM C150, Add	16.66	
For Lightweight Aggregate, ASTM C330, Add	49.98	
For Up To 20, Add	74.95	
For >20 To 50, Add	28.11	
For >100 To 200, Deduct	-7.08	
For >200 To 400, Deduct	-14.16	
For >400, Deduct	-21.24	
03 31 13 00-0074 CY Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs.....	336.65	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-9.75	
For 2,500 PSI Concrete, Deduct	-4.87	
For 3,500 PSI Concrete, Add	9.03	
For 3,750 PSI Concrete, Add	12.27	
For 4,000 PSI Concrete, Add	15.52	
For 4,500 PSI Concrete, Add	18.05	
For 5,000 PSI Concrete, Add	20.58	
For 6,000 PSI Concrete, Add	48.74	
For White Cement Concrete, Add	21.66	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.47	
For High Early Strength, Type 3 ASTM C150, Add	18.05	
For Lightweight Aggregate, ASTM C330, Add	54.15	
For Up To 20, Add	62.46	
For >20 To 50, Add	23.42	
For >100 To 200, Deduct	-6.73	
For >200 To 400, Deduct	-13.47	
For >400, Deduct	-20.20	
<b>03 31 13 00-0075 Place Concrete Coping (03 31 13 00-0043)</b>		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0076	CY	Crane And Bucket, Place 3,000 PSI Concrete Coping .....	612.18
		For 2,000 PSI Concrete, Deduct	-9.00
		For 2,500 PSI Concrete, Deduct	-4.50
		For 3,500 PSI Concrete, Add	8.33
		For 3,750 PSI Concrete, Add	11.33
		For 4,000 PSI Concrete, Add	14.33
		For 4,500 PSI Concrete, Add	16.66
		For 5,000 PSI Concrete, Add	18.99
		For 6,000 PSI Concrete, Add	44.98
		For White Cement Concrete, Add	19.99
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66
		For High Early Strength, Type 3 ASTM C150, Add	16.66
		For Lightweight Aggregate, ASTM C330, Add	49.98
		For Up To 20, Add	178.23
		For >20 To 50, Add	66.84
		For >100 To 200, Deduct	-12.24
		For >200 To 400, Deduct	-24.49
		For >400, Deduct	-36.73
03 31 13 00-0077	CY	Direct Chute, Place 3,000 PSI Concrete Coping .....	352.73
		For 2,000 PSI Concrete, Deduct	-9.00
		For 2,500 PSI Concrete, Deduct	-4.50
		For 3,500 PSI Concrete, Add	8.33
		For 3,750 PSI Concrete, Add	11.33
		For 4,000 PSI Concrete, Add	14.33
		For 4,500 PSI Concrete, Add	16.66
		For 5,000 PSI Concrete, Add	18.99
		For 6,000 PSI Concrete, Add	44.98
		For White Cement Concrete, Add	19.99
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.66
		For High Early Strength, Type 3 ASTM C150, Add	16.66
		For Lightweight Aggregate, ASTM C330, Add	49.98
		For Up To 20, Add	74.45
		For >20 To 50, Add	27.92
		For >100 To 200, Deduct	-7.05
		For >200 To 400, Deduct	-14.11
		For >400, Deduct	-21.16
03 31 13 00-0078	CY	Concrete Pump, Place 3,000 PSI Concrete Coping.....	462.41
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-9.75
		For 2,500 PSI Concrete, Deduct	-4.87
		For 3,500 PSI Concrete, Add	9.03
		For 3,750 PSI Concrete, Add	12.27
		For 4,000 PSI Concrete, Add	15.52
		For 4,500 PSI Concrete, Add	18.05
		For 5,000 PSI Concrete, Add	20.58
		For 6,000 PSI Concrete, Add	48.74
		For White Cement Concrete, Add	21.66
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.47
		For High Early Strength, Type 3 ASTM C150, Add	18.05
		For Lightweight Aggregate, ASTM C330, Add	54.15
		For Up To 20, Add	112.76
		For >20 To 50, Add	42.29
		For >100 To 200, Deduct	-9.25
		For >200 To 400, Deduct	-18.50
		For >400, Deduct	-27.74
03 31 13 00-0079		<b>Concrete Carts</b> <small>(03 31 13 00-0010)</small>	
		Note: Used to place concrete were necessary.	
03 31 13 00-0080	CY	50' Haul, Non Motorized, Concrete Buggy .....	22.22
03 31 13 00-0081	CY	150' Haul, Non Motorized, Concrete Buggy .....	29.75
03 31 13 00-0082	CY	250' Haul, Non Motorized, Concrete Buggy .....	39.68
03 31 13 00-0083	CY	50' Haul, Motorized, Concrete Buggy .....	10.13
03 31 13 00-0084	CY	150' Haul, Motorized, Concrete Buggy .....	13.59
03 31 13 00-0085	CY	250' Haul, Motorized, Concrete Buggy.....	18.12
03 31 13 00-0086		<b>Delivery Fee For Small Concrete Purchases (Short Load)</b> <small>(03 31 13)</small>	
03 31 13 00-0087	CY	Delivery Fee For Small Concrete Purchases (Short Load) Per CY For Each CY Less Than 9 CY.....	31.99
		Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.	
03 31 13 00-0088		<b>Delivery Fee For Concrete, Per Truck Load</b> <small>(03 31 13)</small>	
03 31 13 00-0089	EA	Concrete Delivery Fee, Per Truck.....	40.00
		Note: To be added to all concrete leaving concrete yard	
03 31 13 00-0090		<b>Equipment Pads</b> <small>(03 31 13)</small>	
03 31 13 00-0091		<b>Small Concrete Equipment Housekeeping Pad Assemblies</b> <small>(03 31 13 00-0090)</small>	
		Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project. See CSI section 03 31 13 00-0002 for >50 SF concrete pads.	



<b>Concrete</b>	<b>03</b>	<b>CSU</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0092 SF 4" Equipment Pad With Welded Wire Reinforcement .....	18.17	
For >5 To 20 Pads, Deduct	-2.18	
For >20 To 50 Pads, Deduct	-4.00	
For >50 Pads, Deduct	-5.82	
03 31 13 00-0093 SF 4" Equipment Pad With Rebar .....	22.26	
For >5 To 20 Pads, Deduct	-2.52	
For >20 To 50 Pads, Deduct	-4.62	
For >50 Pads, Deduct	-6.72	
03 31 13 00-0094 SF 6" Equipment Pad With Rebar .....	28.08	
For >5 To 20 Pads, Deduct	-3.17	
For >20 To 50 Pads, Deduct	-5.81	
For >50 Pads, Deduct	-8.44	
03 31 13 00-0095 SF 8" Equipment Pad With Rebar .....	35.31	
For >5 To 20 Pads, Deduct	-4.02	
For >20 To 50 Pads, Deduct	-7.38	
For >50 Pads, Deduct	-10.73	

**03 31 16 Lightweight Structural Concrete (03 31)**

03 31 16 00-0001 Low Density Cellular / Foam Concrete Fill (03 31 16)	
03 31 16 00-0002 CY Lightweight Low Density Cellular/Foam Concrete, 100 To 120 PCF Density Range.....	283.81

**03 35 Concrete Finishing (03 30)**

**03 35 13 High-Tolerance Concrete Floor Finishing (03 35)**

03 35 13 00-0001 Floor Finishes (03 35 13)	
Note: Task is for final finish type and includes all required prior finishes.	
03 35 13 00-0002 SF Screed, Concrete Floor Finish .....	0.96
For Up To 100, Add	1.92
For >100 To 250, Add	0.48
For >250 To 500, Add	0.24
For >5,000 To 10,000, Deduct	-0.05
For >10,000, Deduct	-0.10
03 35 13 00-0003 SF Darby, Concrete Floor Finish .....	1.15
For Up To 100, Add	2.30
For >100 To 250, Add	0.58
For >250 To 500, Add	0.29
For >5,000 To 10,000, Deduct	-0.06
For >10,000, Deduct	-0.12
03 35 13 00-0004 SF Broom, Concrete Floor Finish .....	1.26
For Up To 100, Add	2.52
For >100 To 250, Add	0.63
For >250 To 500, Add	0.32
For >5,000 To 10,000, Deduct	-0.06
For >10,000, Deduct	-0.13
03 35 13 00-0005 SF Final Float, Concrete Floor Finish .....	1.48
For Up To 100, Add	2.96
For >100 To 250, Add	0.74
For >250 To 500, Add	0.37
For >5,000 To 10,000, Deduct	-0.07
For >10,000, Deduct	-0.15
03 35 13 00-0006 SF Steel Trowel, Concrete Floor Finish .....	1.66
For Up To 100, Add	3.32
For >100 To 250, Add	0.83
For >250 To 500, Add	0.42
For >5,000 To 10,000, Deduct	-0.08
For >10,000, Deduct	-0.17
03 35 13 00-0007 SF Concrete Floor Finishes, Machine .....	1.48
For Up To 100, Add	2.96
For >100 To 250, Add	0.74
For >250 To 500, Add	0.37
For >5,000 To 10,000, Deduct	-0.07
For >10,000, Deduct	-0.15

**03 35 16 Heavy-Duty Concrete Floor Finishing (03 35)**

03 35 16 00-0001 Shake On Floor Hardeners (03 35 16)	
03 35 16 00-0002 SF 0.3 LB/SF, Metallic, Shake On Floor Hardener .....	1.20
03 35 16 00-0003 SF 0.65 LB/SF, Metallic, Shake On Floor Hardener .....	1.85
03 35 16 00-0004 SF 0.3 LB/SF, Non Metallic, Shake On Floor Hardener .....	1.14
03 35 16 00-0005 SF 0.65 LB/SF, Non Metallic, Shake On Floor Hardener .....	1.38

**03 35 19 Colored Concrete Finishing (03 35)**

03 35 19 00-0001 Concrete Surface Treatments (03 35 19)	
03 35 19 00-0002 SF Acrylic Latex Bonding Agent .....	0.50
03 35 19 00-0003 SF Epoxy Resin Bonding Agent .....	3.05
03 35 19 00-0004 SF Clear Acrylic Sealer, Hardener And Dustproof .....	0.36
03 35 19 00-0005 SF Colored Acrylic Sealer, Hardener And Dustproof .....	0.38

<b>03</b>	<b>03 Concrete</b>
	<b>03 30 Cast-In-Place Concrete</b>
	<b>03 35 Concrete Finishing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**03 35 23 Exposed Aggregate Concrete Finishing (03 35)**

03 35 23 00-0001	Exposed Aggregate, Concrete Finish (03 35 23)	
03 35 23 00-0002	SF Exposed Aggregate, Concrete Floor Finish .....	3.13

**03 35 26 Grooved Concrete Surface Finishing (03 35)**

03 35 26 00-0001	Ramp, Grooved Concrete Surface Finishing (03 35 26)	
03 35 26 00-0002	SF Ramp, Grooved Concrete Surface Finishing .....	4.36

**03 35 29 Tooled Concrete Finishing (03 35)**

03 35 29 00-0001	Solid Board Concrete Finish (03 35 29)	
03 35 29 00-0002	SF Solid Board Concrete, Uniform Finish, 1 Use, Add To Formwork .....	14.57
03 35 29 00-0003	SF Solid Board Concrete, Non Uniform Finish, 1 Use, Add To Formwork .....	15.59

**03 35 29 00-0004 Marblecrete Finishes (03 35 29)**

03 35 29 00-0005	SF 2" Thick Marblecrete And Finish .....	40.08
03 35 29 00-0006	SF 4" Thick Marblecrete And Finish .....	53.74

**03 35 33 Stamped Concrete Finishing (03 35)**

03 35 33 00-0001	Stamped Concrete Finishes (03 35 33)	
03 35 33 00-0002	SF Up To 2,500 SF Stamped Concrete Finish .....	3.85
03 35 33 00-0003	SF >2,500 To 10,000 SF Stamped Concrete Finish .....	3.49
03 35 33 00-0004	SF >10,000 SF Stamped Concrete Finish .....	3.34

**03 35 43 Polished Concrete Finishing (03 35)**

03 35 43 00-0001	Concrete Floor Polishing System (03 35 43)	
	Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.	
03 35 43 00-0002	SF Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels .....	1.80
	For Up To 500, Add	3.41
	For >500 To 1,000, Add	3.17
	For >1,000 To 2,500, Add	2.09
	For >2,500 To 4,000, Add	1.09
	For >8,000 To 15,000, Deduct	-0.42
	For >15,000 To 25,000, Deduct	-0.54
	For >25,000, Deduct	-0.76
03 35 43 00-0003	SF Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels .....	1.45
	For Up To 500, Add	2.74
	For >500 To 1,000, Add	2.54
	For >1,000 To 2,500, Add	1.68
	For >2,500 To 4,000, Add	0.87
	For >8,000 To 15,000, Deduct	-0.34
	For >15,000 To 25,000, Deduct	-0.43
	For >25,000, Deduct	-0.61
03 35 43 00-0004	SF Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels .....	1.22
	For Up To 500, Add	2.29
	For >500 To 1,000, Add	2.12
	For >1,000 To 2,500, Add	1.40
	For >2,500 To 4,000, Add	0.73
	For >8,000 To 15,000, Deduct	-0.28
	For >15,000 To 25,000, Deduct	-0.36
	For >25,000, Deduct	-0.51
03 35 43 00-0005	SF Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels .....	1.13
	For Up To 500, Add	2.11
	For >500 To 1,000, Add	1.96
	For >1,000 To 2,500, Add	1.30
	For >2,500 To 4,000, Add	0.68
	For >8,000 To 15,000, Deduct	-0.26
	For >15,000 To 25,000, Deduct	-0.33
	For >25,000, Deduct	-0.47
03 35 43 00-0006	SF Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels .....	1.05
	For Up To 500, Add	1.96
	For >500 To 1,000, Add	1.82
	For >1,000 To 2,500, Add	1.20
	For >2,500 To 4,000, Add	0.63
	For >8,000 To 15,000, Deduct	-0.24
	For >15,000 To 25,000, Deduct	-0.31
	For >25,000, Deduct	-0.43



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Cast-In-Place Concrete</b>	<b>03 30</b>	
<b>Concrete Finishing</b>	<b>03 35</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0007 SF Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels .....	1.05	
For Up To 500, Add	1.96	
For >500 To 1,000, Add	1.82	
For >1,000 To 2,500, Add	1.20	
For >2,500 To 4,000, Add	0.63	
For >8,000 To 15,000, Deduct	-0.24	
For >15,000 To 25,000, Deduct	-0.31	
For >25,000, Deduct	-0.43	
03 35 43 00-0008 SF Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels .....	1.05	
For Up To 500, Add	1.96	
For >500 To 1,000, Add	1.82	
For >1,000 To 2,500, Add	1.20	
For >2,500 To 4,000, Add	0.63	
For >8,000 To 15,000, Deduct	-0.24	
For >15,000 To 25,000, Deduct	-0.31	
For >25,000, Deduct	-0.43	
03 35 43 00-0009 SF Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels .....	1.05	
For Up To 500, Add	1.96	
For >500 To 1,000, Add	1.82	
For >1,000 To 2,500, Add	1.20	
For >2,500 To 4,000, Add	0.63	
For >8,000 To 15,000, Deduct	-0.24	
For >15,000 To 25,000, Deduct	-0.31	
For >25,000, Deduct	-0.43	
03 35 43 00-0010 SF High Speed Burnish Concrete Floor With Diamond Pads.....	0.26	
For Up To 500, Add	0.43	
For >500 To 1,000, Add	0.40	
For >1,000 To 2,500, Add	0.26	
For >2,500 To 4,000, Add	0.14	
For >8,000 To 15,000, Deduct	-0.05	
For >15,000 To 25,000, Deduct	-0.07	
For >25,000, Deduct	-0.09	
03 35 43 00-0011 SF Apply 1 Coat Of Concrete Densifier For Concrete Floor Polishing .....	0.50	
For Up To 500, Add	0.52	
For >500 To 1,000, Add	0.49	
For >1,000 To 2,500, Add	0.32	
For >2,500 To 4,000, Add	0.17	
For >8,000 To 15,000, Deduct	-0.06	
For >15,000 To 25,000, Deduct	-0.08	
For >25,000, Deduct	-0.12	
03 35 43 00-0012 SF Apply 2 Coats Of Concrete Densifier With Stain Protector For Concrete Floor Polishing.....	0.85	
For Up To 500, Add	0.78	
For >500 To 1,000, Add	0.72	
For >1,000 To 2,500, Add	0.48	
For >2,500 To 4,000, Add	0.25	
For >8,000 To 15,000, Deduct	-0.10	
For >15,000 To 25,000, Deduct	-0.12	
For >25,000, Deduct	-0.17	
03 35 43 00-0013 SF Concrete Floor Polishing Final Clean Up.....	0.14	
For Up To 500, Add	0.27	
For >500 To 1,000, Add	0.25	
For >1,000 To 2,500, Add	0.17	
For >2,500 To 4,000, Add	0.09	
For >8,000 To 15,000, Deduct	-0.03	
For >15,000 To 25,000, Deduct	-0.04	
For >25,000, Deduct	-0.06	

**03 35 43 00-0014**

**Additional Concrete Floor Polishing Tasks** (03 35 43)

Note: The following tasks are only to be used with concrete floor polishing systems.

03 35 43 00-0015 SF Removal Of Carpet And Mastic For Concrete Floor Polishing.....	0.85
03 35 43 00-0016 SF Removal Of VCT And Mastic For Concrete Floor Polishing.....	1.08
03 35 43 00-0017 SF 8 Mil, 100% Solids, Epoxy Grout Coat For Concrete Floor Polishing .....	1.17
03 35 43 00-0018 LF Picture Frame Epoxy Boarders For Concrete Floor Polishing .....	6.20
Note: Includes layout and up to 6" width water based or 100% solids epoxy boarder.	
03 35 43 00-0019 LF Install Cementitious Overlays For Concrete Floor Polishing.....	24.25
Note: 3/8" overlay for damaged concrete or for decorative work.	
03 35 43 00-0020 LF Up To 1/4" Wide, Joint Fill For Concrete Floor Polishing.....	3.59
Note: Includes urethane, polyurea or epoxy joint fill material.	
03 35 43 00-0021 LF Up To 1/4" Wide, Joint Replacement For Concrete Floor Polishing .....	6.28
Note: Includes removing existing joint material and replacing with urethane, polyurea or epoxy joint fill material.	
03 35 43 00-0022 LF Up To 1/4" Wide, Joint Reconstruction For Concrete Floor Polishing.....	38.61
Note: Includes milling out damaged joint up to 1/2" depth and up to 3" on both sides. Includes rebuilding damaged joint with high impact plastic mortar and cutting new joint.	
03 35 43 00-0023 LF Up To 1/4" Wide, Crack Fill For Concrete Floor Polishing .....	5.20
Note: Includes urethane, polyurea or epoxy crack fill material.	
03 35 43 00-0024 LF Up To 1/4" Wide, Crack Chase And Fill For Concrete Floor Polishing.....	8.80
Note: Includes chasing crack and filling crack with urethane, polyurea or epoxy crack fill material.	
03 35 43 00-0025 LF Hand Detail Work/Grinding For Concrete Floor Polishing.....	34.09
03 35 43 00-0026 SF Dye For Concrete Floor Polishing.....	0.99

**03 35 63 Slip-Resistant Floor Finishing** (03 35)

03 35 63 00-0001 Slip-Resistant Floor Finishing (03 35 63)

**03 Concrete****03 30 Cast-In-Place Concrete****03 35 Concrete Finishing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 63 00-0002	SF		Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF .....	1.54	
			<i>For Up To 100, Add</i>	1.84	
			<i>For &gt;100 To 250, Add</i>	0.46	
			<i>For &gt;250 To 500, Add</i>	0.23	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
			<i>For &gt;10,000, Deduct</i>	-0.09	
03 35 63 00-0003	SF		Silicone Carbide Abrasive Floor Finish 0.25 LB/SF .....	1.21	
			<i>For Up To 100, Add</i>	1.84	
			<i>For &gt;100 To 250, Add</i>	0.46	
			<i>For &gt;250 To 500, Add</i>	0.23	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
			<i>For &gt;10,000, Deduct</i>	-0.09	
<b>03 35 66</b>			<b>Acid Etch Floor Finishing (03 35)</b>		
03 35 66 00-0001			<b>Acid Etch Floor (03 35 66)</b>		
03 35 66 00-0002	SF		Concrete Floor Finishes, Etch With Acid And Rinse .....	0.97	
			<i>For Up To 100, Add</i>	0.88	
			<i>For &gt;100 To 250, Add</i>	0.22	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
			<i>For &gt;10,000, Deduct</i>	-0.04	
<b>03 35 83</b>			<b>Concrete Wall Finishing (03 35)</b>		
03 35 83 00-0001			<b>Wall Finishes (03 35 83)</b>		
03 35 83 00-0002	SF		Burlap Rub With Grout, New Concrete Wall Finishes .....	1.70	
			<i>For Up To 100, Add</i>	3.20	
			<i>For &gt;100 To 250, Add</i>	0.80	
			<i>For &gt;250 To 500, Add</i>	0.40	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
			<i>For &gt;10,000, Deduct</i>	-0.16	
03 35 83 00-0003	SF		1/16" Float Finish, New Concrete Wall Finishes .....	2.54	
			<i>For Up To 100, Add</i>	4.80	
			<i>For &gt;100 To 250, Add</i>	1.20	
			<i>For &gt;250 To 500, Add</i>	0.60	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
			<i>For &gt;10,000, Deduct</i>	-0.24	
03 35 83 00-0004	SF		Etch With Acid And Rinse, New Concrete Wall Finishes .....	1.06	
			<i>For Up To 100, Add</i>	1.06	
			<i>For &gt;100 To 250, Add</i>	0.27	
			<i>For &gt;250 To 500, Add</i>	0.13	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
			<i>For &gt;10,000, Deduct</i>	-0.05	
03 35 83 00-0005	SF		Bush Hammer Green Concrete, New Concrete Wall Finishes.....	5.13	
			<i>For Up To 100, Add</i>	10.16	
			<i>For &gt;100 To 250, Add</i>	2.54	
			<i>For &gt;250 To 500, Add</i>	1.27	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.25	
			<i>For &gt;10,000, Deduct</i>	-0.51	
03 35 83 00-0006	SF		Bush Hammer Cured Concrete, New Concrete Wall Finishes.....	7.94	
			<i>For Up To 100, Add</i>	15.68	
			<i>For &gt;100 To 250, Add</i>	3.92	
			<i>For &gt;250 To 500, Add</i>	1.96	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.39	
			<i>For &gt;10,000, Deduct</i>	-0.78	
03 35 83 00-0007	SF		Break Ties And Patch, New Concrete Wall Finishes .....	0.98	
			<i>For Up To 100, Add</i>	1.72	
			<i>For &gt;100 To 250, Add</i>	0.43	
			<i>For &gt;250 To 500, Add</i>	0.22	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.04	
			<i>For &gt;10,000, Deduct</i>	-0.09	
03 35 83 00-0008	SF		Carborundum Dry Rub, New Concrete Wall Finishes .....	3.31	
			<i>For Up To 100, Add</i>	6.38	
			<i>For &gt;100 To 250, Add</i>	1.60	
			<i>For &gt;250 To 500, Add</i>	0.80	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.16	
			<i>For &gt;10,000, Deduct</i>	-0.32	
03 35 83 00-0009	SF		Carborundum Wet Rub, New Concrete Wall Finishes .....	5.05	
			<i>For Up To 100, Add</i>	9.86	
			<i>For &gt;100 To 250, Add</i>	2.47	
			<i>For &gt;250 To 500, Add</i>	1.23	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.25	
			<i>For &gt;10,000, Deduct</i>	-0.49	
03 35 83 00-0010	SF		Up To 1/4" Penetration Sand Blasting, New Concrete Wall Finishes.....	5.02	
			Note: 4.5 Lbs of sand or abrasive material per SF		
			<i>For Up To 100, Add</i>	8.12	
			<i>For &gt;100 To 250, Add</i>	2.03	
			<i>For &gt;250 To 500, Add</i>	1.02	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.20	
			<i>For &gt;10,000, Deduct</i>	-0.41	



<b>Concrete</b>	<b>03</b>	<b>CSU</b>
Cast-In-Place Concrete	03 30	
Concrete Finishing	03 35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0011 SF >1/4" To 1/2" Penetration Sand Blasting, New Concrete Wall Finishes.....	10.04	
Note: 9 Lbs of sand abrasive material per SF		
For Up To 100, Add	16.22	
For >100 To 250, Add	4.06	
For >250 To 500, Add	2.03	
For >5,000 To 10,000, Deduct	-0.41	
For >10,000, Deduct	-0.81	

### 03 37 Specialty Placed Concrete (03 30)

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

#### 03 37 13 Shotcrete (03 37)

##### 03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair (03 37 13)

03 37 13 00-0002 SF 1" Thick Shotcrete, Fiber Reinforced .....	3.22	
For Up To 25, Add	0.60	
For >25 To 50, Add	0.35	
For >50 To 150, Add	0.14	
03 37 13 00-0003 SF 2" Thick Shotcrete, Fiber Reinforced .....	6.05	
For Up To 25, Add	1.11	
For >25 To 50, Add	0.64	
For >50 To 150, Add	0.25	
03 37 13 00-0004 SF 3" Thick Shotcrete, Fiber Reinforced .....	8.58	
For Up To 25, Add	1.54	
For >25 To 50, Add	0.88	
For >50 To 150, Add	0.34	
03 37 13 00-0005 SF 4" Thick Shotcrete, Fiber Reinforced .....	10.83	
For Up To 25, Add	1.90	
For >25 To 50, Add	1.09	
For >50 To 150, Add	0.41	
03 37 13 00-0006 SF 6" Thick Shotcrete, Fiber Reinforced .....	14.70	
For Up To 25, Add	2.46	
For >25 To 50, Add	1.40	
For >50 To 150, Add	0.50	

##### 03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed (03 37 13)

03 37 13 00-0008 SF 1" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	3.50	
For Radius Or Irregular Surface, Add	1.03	
For Up To 25, Add	0.74	
For >25 To 50, Add	0.43	
For >50 To 150, Add	0.19	
03 37 13 00-0009 SF 2" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	6.46	
For Radius Or Irregular Surface, Add	1.85	
For Up To 25, Add	1.34	
For >25 To 50, Add	0.79	
For >50 To 150, Add	0.35	
03 37 13 00-0010 SF 3" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	8.99	
For Radius Or Irregular Surface, Add	2.50	
For Up To 25, Add	1.84	
For >25 To 50, Add	1.07	
For >50 To 150, Add	0.47	
03 37 13 00-0011 SF 4" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	11.16	
For Radius Or Irregular Surface, Add	3.00	
For Up To 25, Add	2.24	
For >25 To 50, Add	1.31	
For >50 To 150, Add	0.56	
03 37 13 00-0012 SF 5" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	13.02	
For Radius Or Irregular Surface, Add	3.38	
For Up To 25, Add	2.57	
For >25 To 50, Add	1.50	
For >50 To 150, Add	0.63	
03 37 13 00-0013 SF 6" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	14.61	
For Radius Or Irregular Surface, Add	3.64	
For Up To 25, Add	2.83	
For >25 To 50, Add	1.64	
For >50 To 150, Add	0.68	
03 37 13 00-0014 SF 8" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	18.26	
For Radius Or Irregular Surface, Add	4.37	
For Up To 25, Add	3.47	
For >25 To 50, Add	2.01	
For >50 To 150, Add	0.82	
03 37 13 00-0015 SF 10" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	21.45	
For Radius Or Irregular Surface, Add	4.92	
For Up To 25, Add	3.99	
For >25 To 50, Add	2.30	
For >50 To 150, Add	0.92	
03 37 13 00-0016 SF 12" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	24.27	
For Radius Or Irregular Surface, Add	5.31	
For Up To 25, Add	4.42	
For >25 To 50, Add	2.54	
For >50 To 150, Add	1.00	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

### 03 37 16 Pumped Concrete (03 37)

#### 03 37 16 00-0001 Concrete Pumping With Boom Truck (03 37 16)

Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.

03 37 16 00-0002	HR	55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating) .....	220.94
03 37 16 00-0003	HR	70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating) .....	239.97
03 37 16 00-0004	HR	90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating) .....	308.72
03 37 16 00-0005	HR	105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating) .....	351.51
03 37 16 00-0006	HR	120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating) .....	395.67
03 37 16 00-0007	HR	135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating) .....	489.20
03 37 16 00-0008	HR	148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating) .....	545.01
03 37 16 00-0009	HR	170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating) .....	680.17
03 37 16 00-0010	HR	35 CY/HR, 66 HP Trailer Mounted Concrete Pump .....	152.22

Note: Includes hoses

### 03 39 Concrete Curing (03 39)

#### 03 39 13 Water Concrete Curing (03 39)

##### 03 39 13 00-0001 Water Concrete Curing (03 39 13)

03 39 13 00-0002	SF	Water Based Curing, Sealing, Hardening And Dustproofing Compound .....	0.33
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Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.

#### 03 39 23 Membrane Concrete Curing (03 39)

##### 03 39 23 23 Sheet Membrane Concrete Curing (03 39 23)

##### 03 39 23 23-0001 Warm Weather Concrete Curing Blankets (03 39 23 23)

03 39 23 23-0002	CSF	Warm Weather Concrete Curing Blankets .....	31.12
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##### 03 39 23 23-0003 Cold Weather Concrete Curing Blankets (03 39 23 23)

03 39 23 23-0004	CSF	Electric, Cold Weather Concrete Curing Blanket .....	294.99
03 39 23 23-0005	CSF	Non-Electric, Cold Weather Concrete Curing Blanket .....	35.17

### 03 40 Precast Concrete (03)

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Includes the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

### 03 41 Precast Structural Concrete (03 40)

#### 03 41 16 Precast Concrete Slabs (03 41)

##### 03 41 16 00-0001 Flat Floor Slab/Floor Plank (03 41 16)

##### 03 41 16 00-0002 Erection Costs For Using A 90 Ton Crawler Crane (03 41 16 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0003	EA	Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane .....	340.37	272.32
03 41 16 00-0004	EA	Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane .....	378.38	302.64
03 41 16 00-0005	EA	Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane .....	401.78	321.40
03 41 16 00-0006	EA	Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane .....	425.93	340.76
03 41 16 00-0007	EA	Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane .....	455.82	364.64
03 41 16 00-0008	EA	Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane .....	487.16	389.73
03 41 16 00-0009	EA	Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane .....	523.12	418.47
03 41 16 00-0010	EA	Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane .....	568.95	455.13
03 41 16 00-0011	EA	Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane .....	618.62	494.95

##### 03 41 16 00-0012 Material Cost (03 41 16 00-0001)

Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.

03 41 16 00-0013	SF	4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect .....	29.12
		For 3,500 PSI Concrete, Add .....	0.58
		For 4,000 PSI Concrete, Add .....	0.87
		For 4,500 PSI Concrete, Add .....	1.16
		For 5,000 PSI Concrete, Add .....	1.75
03 41 16 00-0014	SF	5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect .....	34.95
		For 3,500 PSI Concrete, Add .....	0.70
		For 4,000 PSI Concrete, Add .....	1.05
		For 4,500 PSI Concrete, Add .....	1.40
		For 5,000 PSI Concrete, Add .....	2.10





<b>Concrete</b>	<b>03</b>	<b>CSU</b>
<b>Precast Concrete</b>	<b>03 40</b>	
<b>Precast Structural Concrete</b>	<b>03 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0015 SF 6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	42.71	
<i>For 3,500 PSI Concrete, Add</i>	0.85	
<i>For 4,000 PSI Concrete, Add</i>	1.28	
<i>For 4,500 PSI Concrete, Add</i>	1.71	
<i>For 5,000 PSI Concrete, Add</i>	2.56	
03 41 16 00-0016 SF 8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	56.69	
<i>For 3,500 PSI Concrete, Add</i>	1.13	
<i>For 4,000 PSI Concrete, Add</i>	1.70	
<i>For 4,500 PSI Concrete, Add</i>	2.27	
<i>For 5,000 PSI Concrete, Add</i>	3.40	
<b>03 41 16 00-0017 Floor Units, Combination Beam And Slab</b> <small>(03 41 16)</small>		
<b>03 41 16 00-0018 Erection Costs For Using 90 Ton Crawler Crane</b> <small>(03 41 16 00-0017)</small>		
<small>Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.</small>		
03 41 16 00-0019 EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane .....	418.53	334.81
03 41 16 00-0020 EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane .....	456.17	364.99
03 41 16 00-0021 EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane .....	504.19	403.31
03 41 16 00-0022 EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane .....	559.85	447.85
03 41 16 00-0023 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane .....	629.33	503.42
<b>03 41 16 00-0024 Erection Costs Using A 125 Ton Crawler Crane</b> <small>(03 41 16 00-0017)</small>		
<small>Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.</small>		
03 41 16 00-0025 EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane .....	535.00	428.03
03 41 16 00-0026 EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane .....	583.12	466.46
03 41 16 00-0027 EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane.....	644.50	515.64
03 41 16 00-0028 EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane.....	715.65	572.54
03 41 16 00-0029 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane.....	804.46	643.63
03 41 16 00-0030 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane.....	874.68	699.69
03 41 16 00-0031 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane.....	966.76	773.40
03 41 16 00-0032 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane.....	1,070.00	856.06
03 41 16 00-0033 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane.....	1,211.10	968.88
<b>03 41 16 00-0034 Material Cost</b> <small>(03 41 16 00-0017)</small>		
<small>Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.</small>		
<b>03 41 16 00-0035 4" Slab</b> <small>(03 41 16 00-0034)</small>		
03 41 16 00-0036 CY Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,067.63	
<i>For 3,500 PSI Concrete, Add</i>	61.35	
<i>For 4,000 PSI Concrete, Add</i>	92.03	
<i>For 4,500 PSI Concrete, Add</i>	122.71	
<i>For 5,000 PSI Concrete, Add</i>	184.06	
03 41 16 00-0037 CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,106.46	
<i>For 3,500 PSI Concrete, Add</i>	62.13	
<i>For 4,000 PSI Concrete, Add</i>	93.19	
<i>For 4,500 PSI Concrete, Add</i>	124.26	
<i>For 5,000 PSI Concrete, Add</i>	186.39	
03 41 16 00-0038 CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	3,494.77	
<i>For 3,500 PSI Concrete, Add</i>	69.90	
<i>For 4,000 PSI Concrete, Add</i>	104.84	
<i>For 4,500 PSI Concrete, Add</i>	139.79	
<i>For 5,000 PSI Concrete, Add</i>	209.69	
<b>03 41 16 00-0039 5" Slab</b> <small>(03 41 16 00-0034)</small>		
03 41 16 00-0040 CY Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,145.29	
<i>For 3,500 PSI Concrete, Add</i>	62.91	
<i>For 4,000 PSI Concrete, Add</i>	94.36	
<i>For 4,500 PSI Concrete, Add</i>	125.81	
<i>For 5,000 PSI Concrete, Add</i>	188.72	
03 41 16 00-0041 CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,261.78	
<i>For 3,500 PSI Concrete, Add</i>	65.24	
<i>For 4,000 PSI Concrete, Add</i>	97.85	
<i>For 4,500 PSI Concrete, Add</i>	130.47	
<i>For 5,000 PSI Concrete, Add</i>	195.71	
03 41 16 00-0042 CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	4,154.89	
<i>For 3,500 PSI Concrete, Add</i>	83.10	
<i>For 4,000 PSI Concrete, Add</i>	124.65	
<i>For 4,500 PSI Concrete, Add</i>	166.20	
<i>For 5,000 PSI Concrete, Add</i>	249.29	
<b>03 41 16 00-0043 6" Slab</b> <small>(03 41 16 00-0034)</small>		
03 41 16 00-0044 CY Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,261.78	
<i>For 3,500 PSI Concrete, Add</i>	65.24	
<i>For 4,000 PSI Concrete, Add</i>	97.85	
<i>For 4,500 PSI Concrete, Add</i>	130.47	
<i>For 5,000 PSI Concrete, Add</i>	195.71	

<b>03</b>	<b>Concrete</b>
<b>03 40</b>	<b>Precast Concrete</b>
<b>03 41</b>	<b>Precast Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 41 16 00-0045	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,883.07	
		<i>For 3,500 PSI Concrete, Add</i>	77.66	
		<i>For 4,000 PSI Concrete, Add</i>	116.49	
		<i>For 4,500 PSI Concrete, Add</i>	155.32	
		<i>For 5,000 PSI Concrete, Add</i>	232.98	
03 41 16 00-0046	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	4,737.35	
		<i>For 3,500 PSI Concrete, Add</i>	94.75	
		<i>For 4,000 PSI Concrete, Add</i>	142.12	
		<i>For 4,500 PSI Concrete, Add</i>	189.49	
		<i>For 5,000 PSI Concrete, Add</i>	284.24	

### 03 41 19 Precast Concrete Wall Panels (03 41)

#### 03 41 19 00-0001 Structural Wall Panels (03 41 19)

Note: Gray, smooth form or board finish one side.

#### 03 41 19 00-0002 Erection Cost Using 50 Ton Hydraulic Crane (03 41 19 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0003	EA	Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	336.90	269.54
03 41 19 00-0004	EA	Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	374.52	299.56
03 41 19 00-0005	EA	Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	421.58	337.29
03 41 19 00-0006	EA	Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	451.17	360.92
03 41 19 00-0007	EA	Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	482.19	385.75
03 41 19 00-0008	EA	Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	517.78	414.20
03 41 19 00-0009	EA	Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	563.14	450.49
03 41 19 00-0010	EA	Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	612.31	489.91

#### 03 41 19 00-0011 Erection Cost Using 90 Ton Crawler Crane (03 41 19 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0012	EA	Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	376.50	301.17
03 41 19 00-0013	EA	Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	418.53	334.81
03 41 19 00-0014	EA	Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	471.13	376.96
03 41 19 00-0015	EA	Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	504.19	403.31
03 41 19 00-0016	EA	Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	538.86	431.09
03 41 19 00-0017	EA	Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	578.64	462.94
03 41 19 00-0018	EA	Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane.....	629.33	503.42
03 41 19 00-0019	EA	Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	684.27	547.36
03 41 19 00-0020	EA	Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	756.30	605.08
03 41 19 00-0021	EA	Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	837.06	669.63
03 41 19 00-0022	EA	Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	947.44	757.99
03 41 19 00-0023	EA	Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,077.72	862.17
03 41 19 00-0024	EA	Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane.....	1,249.53	999.64

#### 03 41 19 00-0025 Material Cost (03 41 19 00-0001)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

03 41 19 00-0026	SF	4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	38.83	
		<i>For 3,500 PSI Concrete, Add</i>	0.78	
		<i>For 4,000 PSI Concrete, Add</i>	1.16	
		<i>For 4,500 PSI Concrete, Add</i>	1.55	
		<i>For 5,000 PSI Concrete, Add</i>	2.33	
		<i>For White Facing, Add</i>	7.77	
		<i>For Solid White Through Thickness, Add</i>	7.77	
		<i>For Broken Rib Finish, Add</i>	3.88	
		<i>For Fluted Surface, Add</i>	3.88	
		<i>For Exposed Aggregate, Add</i>	7.77	
		<i>For Sandblasting Of Surface, Add</i>	3.88	
		<i>For 2" Polystyrene Insulation, Add</i>	1.15	
03 41 19 00-0027	SF	5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	47.76	
		<i>For 3,500 PSI Concrete, Add</i>	0.96	
		<i>For 4,000 PSI Concrete, Add</i>	1.43	
		<i>For 4,500 PSI Concrete, Add</i>	1.91	
		<i>For 5,000 PSI Concrete, Add</i>	2.87	
		<i>For White Facing, Add</i>	9.55	
		<i>For Solid White Through Thickness, Add</i>	9.55	
		<i>For Broken Rib Finish, Add</i>	4.78	
		<i>For Fluted Surface, Add</i>	4.78	
		<i>For Exposed Aggregate, Add</i>	9.55	
		<i>For Sandblasting Of Surface, Add</i>	4.78	
		<i>For 2" Polystyrene Insulation, Add</i>	1.15	



<b>Concrete</b>	<b>03</b>	<b>CSU</b>
<b>Precast Concrete</b>	<b>03 40</b>	
<b>Precast Structural Concrete</b>	<b>03 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0028 SF 6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	57.47	
For 3,500 PSI Concrete, Add	1.15	
For 4,000 PSI Concrete, Add	1.72	
For 4,500 PSI Concrete, Add	2.30	
For 5,000 PSI Concrete, Add	3.45	
For White Facing, Add	11.49	
For Solid White Through Thickness, Add	11.49	
For Broken Rib Finish, Add	5.75	
For Fluted Surface, Add	5.75	
For Exposed Aggregate, Add	11.49	
For Sandblasting Of Surface, Add	5.75	
For 2" Polystyrene Insulation, Add	1.15	
03 41 19 00-0029 SF 8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	75.72	
For 3,500 PSI Concrete, Add	1.51	
For 4,000 PSI Concrete, Add	2.27	
For 4,500 PSI Concrete, Add	3.03	
For 5,000 PSI Concrete, Add	4.54	
For White Facing, Add	15.14	
For Solid White Through Thickness, Add	15.14	
For Broken Rib Finish, Add	7.57	
For Fluted Surface, Add	7.57	
For Exposed Aggregate, Add	15.14	
For Sandblasting Of Surface, Add	7.57	
For 2" Polystyrene Insulation, Add	1.15	
<b>03 41 19 00-0030 Partition Panels (03 41 19)</b>		
<b>03 41 19 00-0031 Erection Costs Using 20 Ton Hydraulic Crane (03 41 19 00-0030)</b>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0032 EA Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane.....	268.94	215.12
03 41 19 00-0033 EA Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane.....	298.97	239.21
03 41 19 00-0034 EA Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane.....	336.55	269.22
03 41 19 00-0035 EA Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane.....	384.92	307.94
03 41 19 00-0036 EA Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane.....	413.34	330.70
03 41 19 00-0037 EA Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane.....	449.54	359.63
03 41 19 00-0038 EA Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane.....	488.79	391.08
03 41 19 00-0039 EA Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane.....	540.24	432.21
<b>03 41 19 00-0040 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0030)</b>		
Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0041 EA Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	336.90	269.54
03 41 19 00-0042 EA Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	374.52	299.56
03 41 19 00-0043 EA Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	421.58	337.29
03 41 19 00-0044 EA Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	482.19	385.75
03 41 19 00-0045 EA Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	517.78	414.20
03 41 19 00-0046 EA Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	563.14	450.49
03 41 19 00-0047 EA Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	612.31	489.91
03 41 19 00-0048 EA Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	676.76	541.37
03 41 19 00-0049 EA Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane.....	749.03	599.23
03 41 19 00-0050 EA Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane.....	847.80	678.20
03 41 19 00-0051 EA Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	964.38	771.50
03 41 19 00-0052 EA Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane.....	1,118.11	894.46
<b>03 41 19 00-0053 Material Cost (03 41 19 00-0030)</b>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0054 SF 4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	36.89	
For 4,000 PSI Concrete, Add	1.11	
For 4,500 PSI Concrete, Add	1.48	
For 5,000 PSI Concrete, Add	2.21	
For White Facing, Add	7.38	
For Solid White Through Thickness, Add	7.38	
For Broken Rib Finish, Add	3.69	
For Fluted Surface, Add	3.69	
For Exposed Aggregate, Add	7.38	
For Sandblasting Of Surface, Add	3.69	
03 41 19 00-0055 SF 5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	45.43	
For 4,000 PSI Concrete, Add	1.36	
For 4,500 PSI Concrete, Add	1.82	
For 5,000 PSI Concrete, Add	2.73	
For White Facing, Add	9.09	
For Solid White Through Thickness, Add	9.09	
For Broken Rib Finish, Add	4.54	
For Fluted Surface, Add	4.54	
For Exposed Aggregate, Add	9.09	
For Sandblasting Of Surface, Add	4.54	

**03 Concrete****03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0056 SF 6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	54.36	
For 4,000 PSI Concrete, Add	1.63	
For 4,500 PSI Concrete, Add	2.17	
For 5,000 PSI Concrete, Add	3.26	
For White Facing, Add	10.87	
For Solid White Through Thickness, Add	10.87	
For Broken Rib Finish, Add	5.44	
For Fluted Surface, Add	5.44	
For Exposed Aggregate, Add	10.87	
For Sandblasting Of Surface, Add	5.44	
03 41 19 00-0057 SF 8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	71.84	
For 4,000 PSI Concrete, Add	2.16	
For 4,500 PSI Concrete, Add	2.87	
For 5,000 PSI Concrete, Add	4.31	
For White Facing, Add	14.37	
For Solid White Through Thickness, Add	14.37	
For Broken Rib Finish, Add	7.18	
For Fluted Surface, Add	7.18	
For Exposed Aggregate, Add	14.37	
For Sandblasting Of Surface, Add	7.18	
<b>03 41 19 00-0058 Cladding Panels (03 41 19)</b>		
<b>03 41 19 00-0059 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0058)</b>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0060 EA Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	355.53	284.37
03 41 19 00-0061 EA Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	397.68	318.12
03 41 19 00-0062 EA Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	451.17	360.92
03 41 19 00-0063 EA Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	482.19	385.75
03 41 19 00-0064 EA Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	517.78	414.20
03 41 19 00-0065 EA Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	563.14	450.49
03 41 19 00-0066 EA Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	612.31	489.91
03 41 19 00-0067 EA Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	676.76	541.37
<b>03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0058)</b>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0069 EA Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	397.31	317.81
03 41 19 00-0070 EA Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	444.42	355.53
03 41 19 00-0071 EA Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	504.19	403.31
03 41 19 00-0072 EA Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	538.86	431.09
03 41 19 00-0073 EA Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	578.64	462.94
03 41 19 00-0074 EA Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	629.33	503.42
03 41 19 00-0075 EA Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane.....	684.27	547.36
03 41 19 00-0076 EA Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	756.30	605.08
03 41 19 00-0077 EA Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	837.06	669.63
03 41 19 00-0078 EA Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	947.44	757.99
03 41 19 00-0079 EA Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	1,077.72	862.17
03 41 19 00-0080 EA Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,249.53	999.64
<b>03 41 19 00-0081 Material Cost (03 41 19 00-0058)</b>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 19 00-0082 SF 4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	36.89	
For 3,500 PSI Concrete, Add	0.74	
For 4,000 PSI Concrete, Add	1.11	
For 4,500 PSI Concrete, Add	1.48	
For 5,000 PSI Concrete, Add	2.21	
For White Facing, Add	7.38	
For Solid White Through Thickness, Add	7.38	
For Broken Rib Finish, Add	3.69	
For Fluted Surface, Add	3.69	
For Exposed Aggregate, Add	7.38	
For Sandblasting Of Surface, Add	3.69	
03 41 19 00-0083 SF 5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	45.43	
For 3,500 PSI Concrete, Add	0.91	
For 4,000 PSI Concrete, Add	1.36	
For 4,500 PSI Concrete, Add	1.82	
For 5,000 PSI Concrete, Add	2.73	
For White Facing, Add	9.09	
For Solid White Through Thickness, Add	9.09	
For Broken Rib Finish, Add	4.54	
For Fluted Surface, Add	4.54	
For Exposed Aggregate, Add	9.09	
For Sandblasting Of Surface, Add	4.54	



	<b>Concrete</b>	<b>03</b>	
	<b>Precast Concrete</b>	<b>03 40</b>	
	<b>Precast Structural Concrete</b>	<b>03 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0084 SF 6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	54.36	
For 3,500 PSI Concrete, Add	1.09	
For 4,000 PSI Concrete, Add	1.63	
For 4,500 PSI Concrete, Add	2.17	
For 5,000 PSI Concrete, Add	3.26	
For White Facing, Add	10.87	
For Solid White Through Thickness, Add	10.87	
For Broken Rib Finish, Add	5.44	
For Fluted Surface, Add	5.44	
For Exposed Aggregate, Add	10.87	
For Sandblasting Of Surface, Add	5.44	
03 41 19 00-0085 SF 8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	71.84	
For 3,500 PSI Concrete, Add	1.44	
For 4,000 PSI Concrete, Add	2.16	
For 4,500 PSI Concrete, Add	2.87	
For 5,000 PSI Concrete, Add	4.31	
For White Facing, Add	14.37	
For Solid White Through Thickness, Add	14.37	
For Broken Rib Finish, Add	7.18	
For Fluted Surface, Add	7.18	
For Exposed Aggregate, Add	14.37	
For Sandblasting Of Surface, Add	7.18	
<b>03 41 19 00-0086 Sandwich Panel (03 41 19)</b>		
<b>03 41 19 00-0087 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0086)</b>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0088 EA Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane .....	355.53	284.37
03 41 19 00-0089 EA Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane .....	397.68	318.12
03 41 19 00-0090 EA Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane .....	451.17	360.92
03 41 19 00-0091 EA Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane .....	482.19	385.75
03 41 19 00-0092 EA Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane .....	517.78	414.20
03 41 19 00-0093 EA Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane .....	563.14	450.49
03 41 19 00-0094 EA Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane .....	612.31	489.91
03 41 19 00-0095 EA Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane .....	676.76	541.37
<b>03 41 19 00-0096 Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0086)</b>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0097 EA Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane .....	359.19	287.30
03 41 19 00-0098 EA Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane .....	401.78	321.40
03 41 19 00-0099 EA Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane .....	455.82	364.64
03 41 19 00-0100 EA Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane .....	487.16	389.73
03 41 19 00-0101 EA Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane .....	523.12	418.47
03 41 19 00-0102 EA Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane .....	568.95	455.13
03 41 19 00-0103 EA Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane .....	618.62	494.95
03 41 19 00-0104 EA Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane .....	683.73	546.95
03 41 19 00-0105 EA Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane .....	756.75	605.41
03 41 19 00-0106 EA Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane .....	856.53	685.19
03 41 19 00-0107 EA Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane .....	974.32	779.45
03 41 19 00-0108 EA Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane .....	1,129.63	903.68
<b>03 41 19 00-0109 Material Cost (03 41 19 00-0086)</b>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.		
03 41 19 00-0110 SF 4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	50.48	
For 3,500 PSI Concrete, Add	1.01	
For 4,000 PSI Concrete, Add	1.51	
For 4,500 PSI Concrete, Add	2.02	
For 5,000 PSI Concrete, Add	3.03	
For White Facing, Add	10.10	
For Solid White Through Thickness, Add	10.10	
For Broken Rib Finish, Add	5.05	
For Fluted Surface, Add	5.05	
For Exposed Aggregate, Add	10.10	
For Sandblasting Of Surface, Add	5.05	
03 41 19 00-0111 SF 5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	59.41	
For 3,500 PSI Concrete, Add	1.19	
For 4,000 PSI Concrete, Add	1.78	
For 4,500 PSI Concrete, Add	2.38	
For 5,000 PSI Concrete, Add	3.56	
For White Facing, Add	11.88	
For Solid White Through Thickness, Add	11.88	
For Broken Rib Finish, Add	5.94	
For Fluted Surface, Add	5.94	
For Exposed Aggregate, Add	11.88	
For Sandblasting Of Surface, Add	5.94	

**03 Concrete****03 40 Precast Concrete****03 41 Precast Structural Concrete**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT  
 UNIT COST  
 DEMOLITION  
 UNIT COST

03 41 19 00-0112	SF	6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	69.12	
		<i>For 3,500 PSI Concrete, Add</i>	1.38	
		<i>For 4,000 PSI Concrete, Add</i>	2.07	
		<i>For 4,500 PSI Concrete, Add</i>	2.76	
		<i>For 5,000 PSI Concrete, Add</i>	4.15	
		<i>For White Facing, Add</i>	13.82	
		<i>For Solid White Through Thickness, Add</i>	13.82	
		<i>For Broken Rib Finish, Add</i>	6.91	
		<i>For Fluted Surface, Add</i>	6.91	
		<i>For Exposed Aggregate, Add</i>	13.82	
		<i>For Sandblasting Of Surface, Add</i>	6.91	
03 41 19 00-0113	SF	8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	87.37	
		<i>For 3,500 PSI Concrete, Add</i>	1.75	
		<i>For 4,000 PSI Concrete, Add</i>	2.62	
		<i>For 4,500 PSI Concrete, Add</i>	3.49	
		<i>For 5,000 PSI Concrete, Add</i>	5.24	
		<i>For White Facing, Add</i>	17.47	
		<i>For Solid White Through Thickness, Add</i>	17.47	
		<i>For Broken Rib Finish, Add</i>	8.74	
		<i>For Fluted Surface, Add</i>	8.74	
		<i>For Exposed Aggregate, Add</i>	17.47	
		<i>For Sandblasting Of Surface, Add</i>	8.74	

**03 41 23 Precast Concrete Stairs (03 41)****03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane (03 41 23)**

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0002	EA	Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	374.52	299.56
03 41 23 00-0003	EA	Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	397.68	318.12
03 41 23 00-0004	EA	Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	421.58	337.29
03 41 23 00-0005	EA	Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	451.17	360.92
03 41 23 00-0006	EA	Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	482.19	385.75
03 41 23 00-0007	EA	Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	517.78	414.20
03 41 23 00-0008	EA	Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	563.14	450.49
03 41 23 00-0009	EA	Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	612.31	489.91

**03 41 23 00-0010 Erection Costs Using A 90 Ton Crawler Crane (03 41 23)**

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0011	EA	Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane.....	374.52	299.56
03 41 23 00-0012	EA	Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	397.68	318.12
03 41 23 00-0013	EA	Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane.....	421.58	337.29
03 41 23 00-0014	EA	Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	451.17	360.92
03 41 23 00-0015	EA	Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane.....	482.19	385.75
03 41 23 00-0016	EA	Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	517.78	414.20
03 41 23 00-0017	EA	Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane.....	563.14	450.49
03 41 23 00-0018	EA	Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	612.31	489.91

**03 41 23 00-0019 Material Cost (03 41 23)**

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.

03 41 23 00-0020	EA	3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser.....	778.21	
		<i>For 3,500 PSI Concrete, Add</i>	101.56	
		<i>For 4,000 PSI Concrete, Add</i>	190.82	
		<i>For 4,500 PSI Concrete, Add</i>	280.47	
		<i>For 5,000 PSI Concrete, Add</i>	381.56	

**03 41 26 Precast Concrete Structural Sections (03 41)****03 41 26 00-0001 Precast Beams, Girder And Joists (03 41 26)****03 41 26 00-0002 Erection Costs Using A 90 Ton Crawler Crane (03 41 26 00-0001)**

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0003	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane .....	471.13	376.96
03 41 26 00-0004	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane .....	504.19	403.31
03 41 26 00-0005	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane.....	538.86	431.09
03 41 26 00-0006	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane.....	578.64	462.94

**03 41 26 00-0007 Erection Costs Using A 125 Ton Crawler Crane (03 41 26 00-0001)**

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0008	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane.....	602.24	481.75
03 41 26 00-0009	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane.....	644.50	515.64
03 41 26 00-0010	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane.....	688.82	551.05
03 41 26 00-0011	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane.....	739.66	591.69
03 41 26 00-0012	EA	Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane.....	804.46	643.63
03 41 26 00-0013	EA	Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane.....	874.68	699.69
03 41 26 00-0014	EA	Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane.....	966.76	773.40



<b>Concrete</b>	<b>03</b>	<b>CSU</b>
<b>Precast Concrete</b>	<b>03 40</b>	
<b>Precast Structural Concrete</b>	<b>03 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0015 EA Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane .....	1,070.00	856.06
<b>03 41 26 00-0016 Material Cost</b> <small>(03 41 26 00-0001)</small>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
<b>03 41 26 00-0017 1,000 LB/LF Live Load</b> <small>(03 41 26 00-0016)</small>		
03 41 26 00-0018 LF Precast Structural Sections, 1,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	155.62	
For 3,500 PSI Concrete, Add	4.25	
For 4,000 PSI Concrete, Add	6.38	
For 4,500 PSI Concrete, Add	8.50	
For 5,000 PSI Concrete, Add	12.76	
03 41 26 00-0019 LF Precast Structural Sections, 1,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	194.52	
For 3,500 PSI Concrete, Add	5.31	
For 4,000 PSI Concrete, Add	7.98	
For 4,500 PSI Concrete, Add	10.62	
For 5,000 PSI Concrete, Add	15.95	
03 41 26 00-0020 LF Precast Structural Sections, 1,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	233.43	
For 3,500 PSI Concrete, Add	6.37	
For 4,000 PSI Concrete, Add	9.57	
For 4,500 PSI Concrete, Add	12.75	
For 5,000 PSI Concrete, Add	19.14	
<b>03 41 26 00-0021 3,000 LB/LF Live Load</b> <small>(03 41 26 00-0016)</small>		
03 41 26 00-0022 LF Precast Structural Sections, 3,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	194.52	
For 3,500 PSI Concrete, Add	5.31	
For 4,000 PSI Concrete, Add	7.98	
For 4,500 PSI Concrete, Add	10.62	
For 5,000 PSI Concrete, Add	15.95	
03 41 26 00-0023 LF Precast Structural Sections, 3,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	233.43	
For 3,500 PSI Concrete, Add	6.37	
For 4,000 PSI Concrete, Add	9.57	
For 4,500 PSI Concrete, Add	12.75	
For 5,000 PSI Concrete, Add	19.14	
03 41 26 00-0024 LF Precast Structural Sections, 3,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	311.24	
For 3,500 PSI Concrete, Add	8.50	
For 4,000 PSI Concrete, Add	12.76	
For 4,500 PSI Concrete, Add	16.99	
For 5,000 PSI Concrete, Add	25.52	
<b>03 41 26 00-0025 5,000 LB/LF Live Load</b> <small>(03 41 26 00-0016)</small>		
03 41 26 00-0026 LF Precast Structural Sections, 5,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	272.33	
For 3,500 PSI Concrete, Add	7.43	
For 4,000 PSI Concrete, Add	11.17	
For 4,500 PSI Concrete, Add	14.87	
For 5,000 PSI Concrete, Add	22.33	
03 41 26 00-0027 LF Precast Structural Sections, 5,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	311.24	
For 3,500 PSI Concrete, Add	8.50	
For 4,000 PSI Concrete, Add	12.76	
For 4,500 PSI Concrete, Add	16.99	
For 5,000 PSI Concrete, Add	25.52	
03 41 26 00-0028 LF Precast Structural Sections, 5,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	389.05	
For 3,500 PSI Concrete, Add	10.62	
For 4,000 PSI Concrete, Add	15.95	
For 4,500 PSI Concrete, Add	21.24	
For 5,000 PSI Concrete, Add	31.90	
<b>03 41 26 00-0029 Precast Concrete Columns</b> <small>(03 41 26)</small>		
<b>03 41 26 00-0030 Erection Costs Using A 90 Ton Crawler Crane</b> <small>(03 41 26 00-0029)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0031 EA Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane .....	272.53	218.00
03 41 26 00-0032 EA Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane .....	289.76	231.76
03 41 26 00-0033 EA Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane .....	310.54	248.45
03 41 26 00-0034 EA Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane .....	333.10	266.47
03 41 26 00-0035 EA Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane .....	359.19	287.30
03 41 26 00-0036 EA Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane .....	389.73	311.78
03 41 26 00-0037 EA Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane .....	425.93	340.76
<b>03 41 26 00-0038 Material Cost</b> <small>(03 41 26 00-0029)</small>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.		
<b>03 41 26 00-0039 12" x 12" Column, Square, Tied</b> <small>(03 41 26 00-0038)</small>		
03 41 26 00-0040 CY 12" x 12" Precast Column, Tied, Average Reinforced 351 LB/CY .....	805.45	
For 3,500 PSI Concrete, Add	60.41	
For 4,000 PSI Concrete, Add	113.57	
For 4,500 PSI Concrete, Add	167.53	
For 5,000 PSI Concrete, Add	227.94	

<b>03</b>	<b>Concrete</b>
<b>03 40</b>	<b>Precast Concrete</b>
<b>03 41</b>	<b>Precast Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>03 41 26 00-0041</b>	<b>16" x 16" Column, Square, Tied</b> (03 41 26 00-0038)		
03 41 26 00-0042	CY 16" x 16" Precast Column, Tied, Average Reinforced 368 LB/CY .....	825.34	
	For 3,500 PSI Concrete, Add	61.90	
	For 4,000 PSI Concrete, Add	116.37	
	For 4,500 PSI Concrete, Add	171.67	
	For 5,000 PSI Concrete, Add	233.57	
<b>03 41 26 00-0043</b>	<b>20" x 20" Column, Square, Tied</b> (03 41 26 00-0038)		
03 41 26 00-0044	CY 20" x 20" Precast Column, Tied, Average Reinforced 357 LB/CY .....	826.93	
	For 3,500 PSI Concrete, Add	62.02	
	For 4,000 PSI Concrete, Add	116.60	
	For 4,500 PSI Concrete, Add	172.00	
	For 5,000 PSI Concrete, Add	234.02	
<b>03 41 26 00-0045</b>	<b>24" x 24" Column, Square, Tied</b> (03 41 26 00-0038)		
03 41 26 00-0046	CY 24" x 24" Precast Column, Tied, Average Reinforced 365 LB/CY .....	826.93	
	For 3,500 PSI Concrete, Add	62.02	
	For 4,000 PSI Concrete, Add	116.60	
	For 4,500 PSI Concrete, Add	172.00	
	For 5,000 PSI Concrete, Add	234.02	
<b>03 41 26 00-0047</b>	<b>28" x 28" Column, Square, Tied</b> (03 41 26 00-0038)		
03 41 26 00-0048	CY 28" x 28" Precast Column, Tied, Average Reinforced 347 LB/CY .....	826.93	
	For 3,500 PSI Concrete, Add	62.02	
	For 4,000 PSI Concrete, Add	116.60	
	For 4,500 PSI Concrete, Add	172.00	
	For 5,000 PSI Concrete, Add	234.02	
<b>03 41 26 00-0049</b>	<b>32" x 32" Column, Square, Tied</b> (03 41 26 00-0038)		
03 41 26 00-0050	CY 32" x 32" Precast Column, Tied, Average Reinforced 351 LB/CY .....	825.34	
	For 3,500 PSI Concrete, Add	61.90	
	For 4,000 PSI Concrete, Add	116.37	
	For 4,500 PSI Concrete, Add	171.67	
	For 5,000 PSI Concrete, Add	233.57	
<b>03 41 26 00-0051</b>	<b>36" x 36" Column, Square, Tied</b> (03 41 26 00-0038)		
03 41 26 00-0052	CY 36" x 36" Precast Column, Tied, Average Reinforced 278 LB/CY .....	826.93	
	For 3,500 PSI Concrete, Add	62.02	
	For 4,000 PSI Concrete, Add	116.60	
	For 4,500 PSI Concrete, Add	172.00	
	For 5,000 PSI Concrete, Add	234.02	
<b>03 41 33</b>	<b>Precast Structural Pretensioned Concrete</b> (03 41)		
<b>03 41 33 00-0001</b>	<b>Slabs, Roof And Floor Members</b> (03 41 33)		
03 41 33 00-0002	SF 4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor .....	16.53	2.20
03 41 33 00-0003	SF 6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor .....	20.57	2.20
03 41 33 00-0004	SF 8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor .....	24.64	2.30
03 41 33 00-0005	SF 10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor .....	28.72	2.42
<b>03 41 33 00-0006</b>	<b>Tee Members</b> (03 41 33)		
<b>03 41 33 00-0007</b>	<b>Multiple Tee, Roof And Floor</b> (03 41 33 00-0006)		
03 41 33 00-0008	SF Prestressed Multiple Tee, Roof And Floor Members .....	37.05	2.86
<b>03 41 33 00-0009</b>	<b>Double Tee Wall Member</b> (03 41 33 00-0006)		
03 41 33 00-0010	SF Prestressed Double Tee Wall Members Precast Concrete, <40' Span .....	52.57	7.80
<b>03 41 33 00-0011</b>	<b>Single Tee, Short Span, Roof Members</b> (03 41 33 00-0006)		
03 41 33 00-0012	SF Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span .....	43.60	4.72
<b>03 41 33 00-0013</b>	<b>Single Tee, Long Span, Roof Members</b> (03 41 33 00-0006)		
03 41 33 00-0014	SF Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span .....	52.28	4.06
<b>03 41 33 00-0015</b>	<b>Prestressed Concrete Items</b> (03 41 33)		
<b>03 41 33 00-0016</b>	<b>Prestressed Quad Tee</b> (03 41 33 00-0015)		
03 41 33 00-0017	SF Tees, Prestressed Quad Tee, Short Spans, Roof .....	26.79	0.88





<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Precast Concrete</b>	<b>03 40</b>	
<b>Precast Structural Concrete</b>	<b>03 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0018 SF Tees, Prestressed Quad Tee, Short Spans, Floor .....	27.96	0.88
<b>03 41 33 00-0019 Prestressed Double Tee (03 41 33 00-0015)</b>		
03 41 33 00-0020 SF Tees, Double Tee, Floor Members , 60' Span .....	44.52	0.76
03 41 33 00-0021 SF Tees, Double Tee, Floor Members , 80' Span .....	61.29	0.76
03 41 33 00-0022 SF Tees, Double Tee, Roof Members, 30' Span .....	30.41	1.32
03 41 33 00-0023 SF Tees, Double Tee, Roof Members, 50' Span .....	47.07	0.88
03 41 33 00-0024 SF Tees, Double Tee, Wall Members, Up To 55' High.....	32.96	1.76
<b>03 41 33 00-0025 Prestressed Single Tee (03 41 33 00-0015)</b>		
03 41 33 00-0026 SF Tees, Single Tee Roof Members, 40' Span .....	52.71	1.98
03 41 33 00-0027 SF Tees, Single Tee Roof Members, 80' Span .....	61.03	1.20
03 41 33 00-0028 SF Tees, Single Tee Roof Members, 100' Span .....	80.73	1.10
03 41 33 00-0029 SF Tees, Single Tee Roof Members, 120' Span .....	85.01	1.10
<b>03 41 33 00-0030 Prestressed Double Tee Floor Members (03 41 33 00-0015)</b>		
03 41 33 00-0031 EA Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45' .....	13,624.96	316.40
03 41 33 00-0032 EA Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50' .....	14,836.17	351.56
03 41 33 00-0033 EA Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60' .....	24,813.11	395.51
03 41 33 00-0034 EA Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25' .....	5,340.10	287.73
03 41 33 00-0035 EA Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25' .....	7,010.25	316.40
03 41 33 00-0036 EA Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35' .....	8,955.75	316.40
03 41 33 00-0037 EA Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45' .....	9,972.42	351.56
03 41 33 00-0038 EA Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50' .....	12,750.99	395.51
03 41 33 00-0039 EA Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60' .....	22,938.50	452.19
<b>03 41 33 00-0040 Prestressed Double Tee Roof Members (03 41 33 00-0015)</b>		
03 41 33 00-0041 EA Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45' .....	10,706.71	316.40
03 41 33 00-0042 EA Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50' .....	14,057.97	351.56
03 41 33 00-0043 EA Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60' .....	23,062.16	395.51
03 41 33 00-0044 EA Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30' .....	7,168.87	287.73
03 41 33 00-0045 EA Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30' .....	7,554.99	316.40
03 41 33 00-0046 EA Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30' .....	8,372.10	316.40
03 41 33 00-0047 EA Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40' .....	8,610.56	351.56
03 41 33 00-0048 EA Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50' .....	11,389.14	395.51
03 41 33 00-0049 EA Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60' .....	19,631.14	452.19
<b>03 41 33 00-0050 Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab (03 41 33)</b>		
03 41 33 00-0051 SF Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete .....	28.29	
03 41 33 00-0052 SF Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete .....	29.47	
03 41 33 00-0053 SF Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete .....	30.84	
03 41 33 00-0054 SF Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete .....	31.88	
03 41 33 00-0055 SF Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete .....	34.07	
<b>03 41 33 00-0056 Double And Single Tees (03 41 33)</b>		
<b>03 41 33 00-0057 Double And Single Tees With 16" Roof And Floor Loading (03 41 33 00-0056)</b>		
03 41 33 00-0058 SF Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete .....	34.21	
03 41 33 00-0059 SF Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete .....	33.41	
03 41 33 00-0060 SF Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete .....	31.54	
03 41 33 00-0061 SF Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete .....	34.21	
03 41 33 00-0062 SF Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete .....	34.11	
03 41 33 00-0063 SF Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete .....	52.42	
03 41 33 00-0064 SF Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete .....	51.27	
03 41 33 00-0065 SF Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete .....	48.00	
03 41 33 00-0066 SF Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete .....	52.42	
03 41 33 00-0067 SF Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete .....	49.17	
<b>03 41 33 00-0068 Double And Single Tees With 24" Roof And Floor Loading (03 41 33 00-0056)</b>		
03 41 33 00-0069 SF Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete .....	35.26	
03 41 33 00-0070 SF Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete .....	34.46	
03 41 33 00-0071 SF Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete .....	33.29	
03 41 33 00-0072 SF Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete .....	35.26	
03 41 33 00-0073 SF Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete .....	34.11	
03 41 33 00-0074 SF Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete .....	53.82	
03 41 33 00-0075 SF Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete .....	52.67	
03 41 33 00-0076 SF Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete .....	50.80	
03 41 33 00-0077 SF Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete .....	53.82	
03 41 33 00-0078 SF Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete .....	52.32	
<b>03 41 33 00-0079 Double And Single Tees With 32" Roof And Floor Loading (03 41 33 00-0056)</b>		
03 41 33 00-0080 SF Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete .....	37.20	

<b>03</b>	<b>Concrete</b>
<b>03 40</b>	<b>Precast Concrete</b>
<b>03 41</b>	<b>Precast Structural Concrete</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0081 SF Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete.....	36.03	
03 41 33 00-0082 SF Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete.....	34.85	
03 41 33 00-0083 SF Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete.....	57.16	
03 41 33 00-0084 SF Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete.....	55.29	
03 41 33 00-0085 SF Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete.....	53.06	

### 03 48 Precast Concrete Specialties (03 40)

#### 03 48 16 Precast Concrete Splash Blocks (03 48)

##### 03 48 16 00-0001 Precast Concrete Splash Blocks (03 48 16)

03 48 16 00-0002 EA Precast Concrete Splash Blocks, 20" x 12" x 3".....	36.16	3.57
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#### 03 48 21 Precast Concrete Handrails (03 48)

##### 03 48 21 00-0001 Installation Cost (03 48 21)

Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.

03 48 21 00-0002 EA Install Precast Handrails, 0-2 Ton/Handrail.....	153.05	68.90
03 48 21 00-0003 EA Install Precast Handrails, Over 2 Ton/Handrail.....	183.56	82.58

##### 03 48 21 00-0004 Material Cost (03 48 21)

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.

03 48 21 00-0005 CY 4" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	3,074.00	
For 3,500 PSI Concrete, Add	200.58	
For 4,000 PSI Concrete, Add	376.87	
For 4,500 PSI Concrete, Add	553.93	
For 5,000 PSI Concrete, Add	753.59	
03 48 21 00-0006 CY 5" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	3,190.73	
For 3,500 PSI Concrete, Add	208.20	
For 4,000 PSI Concrete, Add	391.18	
For 4,500 PSI Concrete, Add	574.97	
For 5,000 PSI Concrete, Add	782.21	
03 48 21 00-0007 CY 6" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	3,307.46	
For 3,500 PSI Concrete, Add	215.81	
For 4,000 PSI Concrete, Add	405.49	
For 4,500 PSI Concrete, Add	596.00	
For 5,000 PSI Concrete, Add	810.82	
03 48 21 00-0008 CY 8" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	3,463.11	
For 3,500 PSI Concrete, Add	225.97	
For 4,000 PSI Concrete, Add	424.58	
For 4,500 PSI Concrete, Add	624.05	
For 5,000 PSI Concrete, Add	848.98	

#### 03 48 22 Precast Concrete Sun Screen and Trellis (03 48)

##### 03 48 22 00-0001 Sun Screen Blades (03 48 22)

##### 03 48 22 00-0002 Installation Cost (03 48 22 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.

03 48 22 00-0003 EA Install Precast Sun Screen Blade, 0-1 Ton/Each.....	76.52	34.45
03 48 22 00-0004 EA Install Precast Sun Screen Blade, 1-2 Ton/Each.....	91.94	41.34
03 48 22 00-0005 EA Install Precast Sun Screen Blade, 2-3 Ton/Each.....	114.87	51.73

##### 03 48 22 00-0006 Material Cost (03 48 22 00-0001)

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

03 48 22 00-0007 CY 4" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	3,268.55	
For 3,500 PSI Concrete, Add	213.27	
For 4,000 PSI Concrete, Add	400.72	
For 4,500 PSI Concrete, Add	588.99	
For 5,000 PSI Concrete, Add	801.29	
03 48 22 00-0008 CY 5" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	3,385.29	
For 3,500 PSI Concrete, Add	220.89	
For 4,000 PSI Concrete, Add	415.04	
For 4,500 PSI Concrete, Add	610.03	
For 5,000 PSI Concrete, Add	829.90	
03 48 22 00-0009 CY 6" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	3,540.93	
For 3,500 PSI Concrete, Add	231.05	
For 4,000 PSI Concrete, Add	434.12	
For 4,500 PSI Concrete, Add	638.08	
For 5,000 PSI Concrete, Add	868.06	
03 48 22 00-0010 CY 8" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	3,696.58	
For 3,500 PSI Concrete, Add	241.20	
For 4,000 PSI Concrete, Add	453.20	
For 4,500 PSI Concrete, Add	666.12	
For 5,000 PSI Concrete, Add	906.22	

##### 03 48 22 00-0011 Sun Screen/Trellis Units (03 48 22)



<b>Concrete</b>	<b>03</b>	<b>CSU</b>
<b>Precast Concrete</b>	<b>03 40</b>	
<b>Precast Concrete Specialties</b>	<b>03 48</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>03 48 22 00-0012</b> <b>Installation Cost Using A 50 Ton Hydraulic Crane</b> <small>(03 48 22 00-0011)</small>		
<i>Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.</i>		
03 48 22 00-0013    EA    Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane .....	355.53	159.97
03 48 22 00-0014    EA    Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane .....	397.68	179.01
03 48 22 00-0015    EA    Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane .....	451.17	203.00
03 48 22 00-0016    EA    Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane .....	482.19	216.99
<b>03 48 22 00-0017</b> <b>Material Cost</b> <small>(03 48 22 00-0011)</small>		
<i>Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.</i>		
03 48 22 00-0018    CY    4" Thick 3,000 PSI Concrete Precast Trellises Blades .....	3,774.40	
<i>For 3,500 PSI Concrete, Add</i>	<i>246.28</i>	
<i>For 4,000 PSI Concrete, Add</i>	<i>462.74</i>	
<i>For 4,500 PSI Concrete, Add</i>	<i>680.15</i>	
<i>For 5,000 PSI Concrete, Add</i>	<i>925.29</i>	
03 48 22 00-0019    CY    5" Thick 3,000 PSI Concrete Precast Trellises Blades .....	3,891.13	
<i>For 3,500 PSI Concrete, Add</i>	<i>253.90</i>	
<i>For 4,000 PSI Concrete, Add</i>	<i>477.05</i>	
<i>For 4,500 PSI Concrete, Add</i>	<i>701.18</i>	
<i>For 5,000 PSI Concrete, Add</i>	<i>953.91</i>	
03 48 22 00-0020    CY    6" Thick 3,000 PSI Concrete Precast Trellises Blades .....	4,046.78	
<i>For 3,500 PSI Concrete, Add</i>	<i>264.05</i>	
<i>For 4,000 PSI Concrete, Add</i>	<i>496.14</i>	
<i>For 4,500 PSI Concrete, Add</i>	<i>729.23</i>	
<i>For 5,000 PSI Concrete, Add</i>	<i>992.07</i>	
03 48 22 00-0021    CY    8" Thick 3,000 PSI Concrete Precast Trellises Blades .....	4,241.34	
<i>For 3,500 PSI Concrete, Add</i>	<i>276.75</i>	
<i>For 4,000 PSI Concrete, Add</i>	<i>519.99</i>	
<i>For 4,500 PSI Concrete, Add</i>	<i>764.29</i>	
<i>For 5,000 PSI Concrete, Add</i>	<i>1,039.76</i>	
<b>03 48 24</b> <b>Precast Minaret Segments</b> <small>(03 48)</small>		
<b>03 48 24 00-0001</b> <b>Installation Costs Using A 50 Ton Hydraulic Crane</b> <small>(03 48 24)</small>		
<i>Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.</i>		
<b>03 48 24 00-0002</b> <b>L - Shaped Segments</b> <small>(03 48 24 00-0001)</small>		
03 48 24 00-0003    EA    Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane .....	345.96	276.77
03 48 24 00-0004    EA    Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane .....	387.69	310.17
03 48 24 00-0005    EA    Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane .....	438.36	350.67
03 48 24 00-0006    EA    Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane .....	467.57	374.06
<b>03 48 24 00-0007</b> <b>O - Shaped Segments</b> <small>(03 48 24 00-0001)</small>		
03 48 24 00-0008    EA    Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane .....	365.64	292.57
03 48 24 00-0009    EA    Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane .....	410.37	328.25
03 48 24 00-0010    EA    Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane .....	464.75	371.77
03 48 24 00-0011    EA    Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane .....	497.74	398.17
<b>03 48 24 00-0012</b> <b>Platform Segment</b> <small>(03 48 24 00-0001)</small>		
03 48 24 00-0013    EA    Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane .....	701.36	561.14
03 48 24 00-0014    EA    Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane .....	847.80	678.20
03 48 24 00-0015    EA    Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane .....	940.85	752.69
03 48 24 00-0016    EA    Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane .....	1,056.85	845.51
<b>03 48 24 00-0017</b> <b>Cap Segment</b> <small>(03 48 24 00-0001)</small>		
03 48 24 00-0018    EA    Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane .....	383.83	307.03
03 48 24 00-0019    EA    Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane .....	428.61	342.84
03 48 24 00-0020    EA    Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane .....	488.29	390.57
03 48 24 00-0021    EA    Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane .....	521.29	416.97
<b>03 48 24 00-0022</b> <b>Installation Costs Using A 90 Ton Crawler Crane</b> <small>(03 48 24)</small>		
<i>Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.</i>		
<b>03 48 24 00-0023</b> <b>L - Shaped Segments</b> <small>(03 48 24 00-0022)</small>		
03 48 24 00-0024    EA    Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane .....	349.53	279.63
03 48 24 00-0025    EA    Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane .....	391.69	313.36
03 48 24 00-0026    EA    Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane .....	442.87	354.28
03 48 24 00-0027    EA    Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane .....	472.39	377.91
<b>03 48 24 00-0028</b> <b>O - Shaped Segment</b> <small>(03 48 24 00-0022)</small>		
03 48 24 00-0029    EA    Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane .....	369.41	295.58
03 48 24 00-0030    EA    Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane .....	414.60	331.63
03 48 24 00-0031    EA    Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane .....	469.54	375.60
03 48 24 00-0032    EA    Install Minaret, O-Shaped Segments, 5-7 Ton/Each 79.5' Maximum Radius With 90 Ton Crane .....	502.87	402.27

**03 Concrete****03 40 Precast Concrete****03 48 Precast Concrete Specialties**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>03 48 24 00-0033</b>	<b>Platform Segment</b> <small>(03 48 24 00-0022)</small>		
03 48 24 00-0034	EA Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane .....	564.82	451.84
03 48 24 00-0035	EA Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane .....	683.73	546.95
03 48 24 00-0036	EA Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane .....	756.75	605.41
03 48 24 00-0037	EA Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane .....	856.53	685.19
<b>03 48 24 00-0038</b>	<b>Cap Segment</b> <small>(03 48 24 00-0022)</small>		
03 48 24 00-0039	EA Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane .....	387.78	310.20
03 48 24 00-0040	EA Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane .....	433.03	346.37
03 48 24 00-0041	EA Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane .....	493.32	394.60
03 48 24 00-0042	EA Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane .....	526.66	421.27
<b>03 48 24 00-0043</b>	<b>Material Costs</b> <small>(03 48 24)</small>		
	Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 24 00-0044	CY Precast Concrete Minaret, L-Shaped Segments, 3,000 PSI Concrete.....	9,338.20	
	Note: Including Post Tension Cost		
03 48 24 00-0045	CY Precast Concrete Minaret, O-Shaped Segments, 3,000 PSI Concrete.....	9,338.20	
	Note: Including Post Tension Cost		
03 48 24 00-0046	CY Precast Concrete Minaret, Platform Segments, 3,000 PSI Concrete.....	9,338.20	
	Note: Including Post Tension Cost		
03 48 24 00-0047	CY Precast Concrete Minaret, Cap Segments, 3,000 PSI Concrete .....	9,338.20	
	Note: Including Post Tension Cost		
<b>03 48 29</b>	<b>Precast Accessories</b> <small>(03 48)</small>		
	Note: Includes installation labor, material and equipment.		
<b>03 48 29 00-0001</b>	<b>Bearing Pads For Precast Members</b> <small>(03 48 29)</small>		
<b>03 48 29 00-0002</b>	<b>Continuous 2" Wide Strips</b> <small>(03 48 29 00-0001)</small>		
03 48 29 00-0003	LF Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips .....	1.24	
	Note: For precast members		
03 48 29 00-0004	LF Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips .....	1.76	
	Note: For precast members.		
03 48 29 00-0005	LF Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips .....	2.88	
	Note: For precast members		
03 48 29 00-0006	LF Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips .....	4.04	
	Note: For precast members		
03 48 29 00-0007	LF Bearing Pads, Continuous 2" Wide x 1" Thick Strips .....	5.24	
	Note: For precast members		
03 48 29 00-0008	LF Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips .....	7.52	
	Note: For precast members		
<b>03 48 29 00-0009</b>	<b>Bearing Pad Pipe Supports</b> <small>(03 48 29)</small>		
03 48 29 00-0010	LF 4" x 4" Precast Pipe Support.....	8.55	
<b>03 48 46</b>	<b>Precast Skylight Shells</b> <small>(03 48)</small>		
<b>03 48 46 00-0001</b>	<b>Installation Cost Using A 90 Ton Crawler Crane</b> <small>(03 48 46)</small>		
	Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 46 00-0002	EA Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane.....	504.19	226.92
03 48 46 00-0003	EA Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane.....	559.85	251.95
03 48 46 00-0004	EA Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane.....	629.33	283.20
<b>03 48 46 00-0005</b>	<b>Material Cost</b> <small>(03 48 46)</small>		
	Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 46 00-0006	CY 3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius .....	3,906.81	
<b>03 48 49</b>	<b>Precast Landings</b> <small>(03 48)</small>		
03 48 49 00-0001	SF 3" Thick Precast Landing .....	96.31	
03 48 49 00-0002	SF 4" Thick Precast Landing .....	112.37	
03 48 49 00-0003	SF 5" Thick Precast Landing .....	127.57	
03 48 49 00-0004	SF 6" Thick Precast Landing .....	147.04	
<b>03 48 54</b>	<b>Precast Concrete Blocks</b> <small>(03 48)</small>		
<b>03 48 54 00-0001</b>	<b>Precast Interlocking Concrete Blocks</b> <small>(03 48 54)</small>		
	Note: Includes lifting loop		
03 48 54 00-0002	EA 2' x 2' x 2' Precast Concrete Block.....	136.58	39.12
03 48 54 00-0003	EA 2' x 2' x 4' Precast Concrete Block.....	189.06	48.91
03 48 54 00-0004	EA 2' x 2' x 6' Precast Concrete Block.....	255.56	68.46
03 48 54 00-0005	EA 2' x 2' x 8' Precast Concrete Block.....	307.38	78.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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### 03 50 Cast Decks and Underlayment <sup>(03)</sup>

#### 03 51 Cast Roof Decks <sup>(03 50)</sup>

##### 03 51 13 Cementitious Wood Fiber Decks <sup>(03 51)</sup>

###### 03 51 13 00-0001 Cement Fiber Tongue And Groove Planks <sup>(03 51 13)</sup>

03 51 13 00-0002	SF	1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System .....	3.66	
03 51 13 00-0003	SF	1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System .....	3.81	
03 51 13 00-0004	SF	2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System .....	3.98	
03 51 13 00-0005	SF	2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System .....	4.52	
03 51 13 00-0006	SF	3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System .....	5.11	
03 51 13 00-0007	SF	3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System .....	5.79	
03 51 13 00-0008	SF	4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System .....	6.61	

##### 03 51 16 Gypsum Concrete Roof Decks <sup>(03 51)</sup>

###### 03 51 16 00-0001 Class A Gypsum Fill Concrete Deck <sup>(03 51 16)</sup>

03 51 16 00-0002	SF	2" Thick Precast Gypsum Fill Concrete Deck, Class A .....	10.75	0.52
03 51 16 00-0003	SF	2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A .....	13.32	0.61
03 51 16 00-0004	SF	3" Thick Precast Gypsum Fill Concrete Deck, Class A .....	15.92	0.70
03 51 16 00-0005	SF	3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A .....	18.53	0.78
03 51 16 00-0006	SF	4" Thick Precast Gypsum Fill Concrete Deck, Class A .....	21.16	0.86

###### 03 51 16 00-0007 Form Board For Lightweight Deck <sup>(03 51 16)</sup>

03 51 16 00-0008	SF	Gypsum Deck Form Board, 1/2" Drywall For Lightweight Deck .....	2.09	
03 51 16 00-0009	SF	Gypsum Deck Form Board, 1" Mineral Fiber Board For Lightweight Deck .....	2.77	
03 51 16 00-0010	SF	Gypsum Deck Form Board, 1-1/2" Mineral Fiber Board For Lightweight Deck .....	5.67	
03 51 16 00-0011	SF	Gypsum Deck Form Board, 1" Cementitious Fiber Board For Lightweight Deck .....	2.32	0.57
03 51 16 00-0012	SF	Gypsum Deck Form Board, 1-1/2" Cementitious Fiber Board For Lightweight Deck .....	2.80	0.57
03 51 16 00-0013	SF	Gypsum Deck Form Board, 1" Glass Fiber Board For Lightweight Deck .....	3.10	0.57
03 51 16 00-0014	SF	Gypsum Deck Form Board, 1-1/2" Glass Fiber Board For Lightweight Deck .....	3.82	0.57

###### 03 51 16 00-0015 Gypsum Plank <sup>(03 51 16)</sup>

03 51 16 00-0016	SF	2" Thick, Insulating Concrete Gypsum Plank, Roof Deck .....	3.86	
03 51 16 00-0017	SF	3" Thick, Insulating Concrete Gypsum Plank, Roof Deck .....	5.10	

### 03 53 Concrete Topping <sup>(03 50)</sup>

Note: Installed over new or existing concrete.

#### 03 53 14 Granolithic Concrete Topping <sup>(03 53)</sup>

##### 03 53 14 00-0001 Granolithic Topping Laid After <sup>(03 53 14)</sup>

Note: Using 1:1:1-1/2 mix.

03 53 14 00-0002	SF	1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix .....	4.05	
03 53 14 00-0003	SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix .....	4.40	
03 53 14 00-0004	SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix .....	5.56	

#### 03 53 19 Concrete Overlayment <sup>(03 53)</sup>

##### 03 53 19 00-0001 Integral Topping Including Hard Trowel Finish <sup>(03 53 19)</sup>

Note: Using 1:1:2 mix.

03 53 19 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix .....	2.41	
03 53 19 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix .....	2.72	
03 53 19 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix .....	3.19	
03 53 19 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix .....	3.78	
03 53 19 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix .....	5.38	
03 53 19 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix .....	4.65	
03 53 19 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix .....	5.21	

### 03 54 Cast Underlayment <sup>(03 50)</sup>

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

#### 03 54 16 Hydraulic Cement Underlayment <sup>(03 54)</sup>

##### 03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors <sup>(03 54 16)</sup>

Note: Includes primer.

03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors .....	1.66	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.14	
		For >100 To 250 SF, Add	0.07	
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors .....	2.85	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.14	
		For >100 To 250 SF, Add	0.07	

**03 Concrete****03 50 Cast Decks and Underlayment****03 54 Cast Underlayment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 54 16 00-0004	SF		3/8" Thick Self Leveling Cementitious Underlayment For Floors.....	3.63	
			Note: Including Surface Preparation		
			For Up To 100 SF, Add	0.14	
			For >100 To 250 SF, Add	0.07	
03 54 16 00-0005	SF		1/2" Thick Self Leveling Cementitious Underlayment For Floors.....	5.21	
			Note: Including Surface Preparation		
			For Up To 100 SF, Add	0.14	
			For >100 To 250 SF, Add	0.07	
03 54 16 00-0006	SF		5/8" Thick Self Leveling Cementitious Underlayment For Floors.....	6.15	
			Note: Including Surface Preparation		
			For Up To 100 SF, Add	0.14	
			For >100 To 250 SF, Add	0.07	
03 54 16 00-0007	SF		3/4" Thick Self Leveling Cementitious Underlayment For Floors.....	7.61	
			Note: Including Surface Preparation		
			For Up To 100 SF, Add	0.16	
			For >100 To 250 SF, Add	0.08	
03 54 16 00-0008	SF		1" Thick Self Leveling Cementitious Underlayment For Floors.....	9.97	
			Note: Including Surface Preparation		
			For Up To 100 SF, Add	0.16	
			For >100 To 250 SF, Add	0.08	
03 54 16 00-0009	SF		1-1/4" Thick Self Leveling Cementitious Underlayment For Floors.....	13.16	
			Note: Including Surface Preparation		
			For Up To 100 SF, Add	0.18	
			For >100 To 250 SF, Add	0.09	
03 54 16 00-0010	SF		1-1/2" Thick Self Leveling Cementitious Underlayment For Floors.....	14.74	
			Note: Including Surface Preparation		
			For Up To 100 SF, Add	0.18	
			For >100 To 250 SF, Add	0.09	
03 54 16 00-0011	SF		1-3/4" Thick Self Leveling Cementitious Underlayment For Floors.....	19.56	
			Note: Including Surface Preparation		
			For Up To 100 SF, Add	0.22	
			For >100 To 250 SF, Add	0.11	

**03 60 Grouting** <sup>(03)</sup>**03 61 Cementitious Grouting** <sup>(03 60)</sup>

Note: 1 part cement to 3 parts sand by volume.

**03 61 16 Cementitious Flowable Grout** <sup>(03 61)</sup>

03 61 16 00-0001			Cementitious Flowable Grout <sup>(03 61 16)</sup> .....	439.64	
03 61 16 00-0002	CY		Cementitious Flowable Grout.....		

**03 62 Non-Shrink Grouting** <sup>(03 60)</sup>**03 62 13 Non-Metallic Non-Shrink Grouting** <sup>(03 62)</sup>

03 62 13 00-0001			Fluid Type, Non-Metallic Non-Shrink Grouting For Bases <sup>(03 62 13)</sup> .....		
03 62 13 00-0002	SF		1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases.....	25.12	
03 62 13 00-0003	SF		2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases.....	37.30	
03 62 13 00-0004			Non-Metallic Non-Shrink Grouting For Bases <sup>(03 62 13)</sup> .....		
03 62 13 00-0005	SF		1" Deep, Non-Metallic Non-Shrink Grout For Bases.....	38.52	
03 62 13 00-0006	SF		2" Deep, Non-Metallic Non-Shrink Grout For Bases.....	61.89	
03 62 13 00-0007			Non-Metallic Non-Shrink Grouting For Joints <sup>(03 62 13)</sup> .....		
03 62 13 00-0008			1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints <sup>(03 62 13 00-0007)</sup> .....		
03 62 13 00-0009	LF		4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints.....	1.97	
03 62 13 00-0010	LF		6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints.....	2.58	
03 62 13 00-0011	LF		8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints.....	3.41	
03 62 13 00-0012			1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints <sup>(03 62 13 00-0007)</sup> .....		
03 62 13 00-0013	LF		4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints.....	2.92	
03 62 13 00-0014	LF		6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints.....	3.89	
03 62 13 00-0015	LF		8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints.....	5.18	

**03 62 16 Metallic Non-Shrink Grouting** <sup>(03 62)</sup>

03 62 16 00-0001			Metallic Non-Shrink Grouting For Bases <sup>(03 62 16)</sup> .....		
03 62 16 00-0002	SF		1" Deep, Metallic Non-Shrink Grout For Bases.....	32.51	
03 62 16 00-0003	SF		2" Deep, Metallic Non-Shrink Grout For Bases.....	50.23	
03 62 16 00-0004			Metallic Non-Shrink Grouting For Joints <sup>(03 62 16)</sup> .....		
03 62 16 00-0005			1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints <sup>(03 62 16 00-0004)</sup> .....		



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Grouting</b>	<b>03 60</b>	
<b>Non-Shrink Grouting</b>	<b>03 62</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 62 16 00-0006 LF 4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....	1.60	
03 62 16 00-0007 LF 6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....	2.01	
03 62 16 00-0008 LF 8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....	2.68	
<b>03 62 16 00-0009 1" Joint Thickness, Metallic Non-Shrink Grout For Joints</b> <small>(03 62 16 00-0004)</small>		
03 62 16 00-0010 LF 4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....	2.19	
03 62 16 00-0011 LF 6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....	2.75	
03 62 16 00-0012 LF 8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....	3.69	
<b>03 64 Injection Grouting</b> <small>(03 60)</small>		
<small>Note: By volume of void filled. Includes injection ports.</small>		
<b>03 64 23 Epoxy Injection Grouting</b> <small>(03 64)</small>		
<b>03 64 23 00-0001 Pressure Injected Epoxy Grout</b> <small>(03 64 23)</small>		
03 64 23 00-0002 CF Pressure Injected Epoxy Grout.....	1,282.98	
<small>For &gt;4, Deduct</small>		-136.09
<b>03 64 26 Cementitious Injection Grouting</b> <small>(03 64)</small>		
<b>03 64 26 00-0001 Pressure Injected Cementitious Grout</b> <small>(03 64 26)</small>		
03 64 26 00-0002 CF Pressure Injected Cementitious Grout.....	221.75	
<small>For &gt;4, Deduct</small>		-58.38
<b>03 80 Concrete Cutting and Boring</b> <small>(03)</small>		
<b>03 81 Concrete Cutting</b> <small>(03 80)</small>		
<b>03 81 13 Flat Concrete Sawing</b> <small>(03 81)</small>		
<small>See CSI section 02 41 19 13-0001 for saw cutting.</small>		
<b>03 81 16 Track Mounted Concrete Wall Sawing</b> <small>(03 81)</small>		
<small>See CSI section 02 41 19 13-0001 for saw cutting.</small>		
<b>03 82 Concrete Boring</b> <small>(03 80)</small>		
<b>03 82 13 Concrete Core Drilling</b> <small>(03 82)</small>		
<small>See CSI section 02 41 19 13-0024 for core drilling.</small>		

**END OF SECTION 03**

03	<b>03</b>	<b>Concrete</b>
	03 80	Concrete Cutting and Boring
	03 82	Concrete Boring




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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 04 Masonry

### 04 01 Maintenance of Masonry <sup>(04)</sup>

#### 04 01 20 Maintenance of Unit Masonry <sup>(04 01)</sup>

Note: For use on existing brick. Includes clean-up of debris. Excludes disposal.

#### **04 01 20 41 Unit Masonry Stabilization <sup>(04 01 20)</sup>**

04 01 20 41-0001 Unit Masonry Stabilization (Helifix®) <sup>(04 01 20 41)</sup>

04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) <sup>(04 01 20 41-0001)</sup>

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) <sup>(04 01 20 41-0002)</sup>

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	21.25
		For Up To 10, Add	9.63
		For >10 To 50, Add	4.82
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	30.38
		For Up To 10, Add	9.63
		For >10 To 50, Add	4.82
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	40.29
		For Up To 10, Add	9.63
		For >10 To 50, Add	4.82

04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) <sup>(04 01 20 41-0002)</sup>

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	23.23
		For Up To 10, Add	9.63
		For >10 To 50, Add	4.82
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	33.89
		For Up To 10, Add	9.63
		For >10 To 50, Add	4.82
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	45.56
		For Up To 10, Add	9.63
		For >10 To 50, Add	4.82

04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) <sup>(04 01 20 41-0001)</sup>

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) <sup>(04 01 20 41-0011)</sup>

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	57.62
		For Up To 10, Add	38.54
		For >10 To 50, Add	19.27
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	62.80
		For Up To 10, Add	38.54
		For >10 To 50, Add	19.27
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	183.11
		For Up To 10, Add	38.54
		For >10 To 50, Add	19.27
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	57.62
		For Up To 10, Add	38.54
		For >10 To 50, Add	19.27
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	62.80
		For Up To 10, Add	38.54
		For >10 To 50, Add	19.27
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	68.70
		For Up To 10, Add	38.54
		For >10 To 50, Add	19.27
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	79.79
		For Up To 10, Add	38.54
		For >10 To 50, Add	19.27
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	183.11
		For Up To 10, Add	38.54
		For >10 To 50, Add	19.27



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20	41-0021		<b>316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar)</b> <small>(04 01 20 41-0011)</small>		
04 01 20	41-0022	EA	4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	60.44	
			<i>For Up To 10, Add</i> .....	38.54	
			<i>For &gt;10 To 50, Add</i> .....	19.27	
04 01 20	41-0023	EA	4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	66.57	
			<i>For Up To 10, Add</i> .....	38.54	
			<i>For &gt;10 To 50, Add</i> .....	19.27	
04 01 20	41-0024	EA	4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	206.64	
			<i>For Up To 10, Add</i> .....	38.54	
			<i>For &gt;10 To 50, Add</i> .....	19.27	
04 01 20	41-0025	EA	6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	60.44	
			<i>For Up To 10, Add</i> .....	38.54	
			<i>For &gt;10 To 50, Add</i> .....	19.27	
04 01 20	41-0026	EA	6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	66.57	
			<i>For Up To 10, Add</i> .....	38.54	
			<i>For &gt;10 To 50, Add</i> .....	19.27	
04 01 20	41-0027	EA	6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	73.41	
			<i>For Up To 10, Add</i> .....	38.54	
			<i>For &gt;10 To 50, Add</i> .....	19.27	
04 01 20	41-0028	EA	6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	86.38	
			<i>For Up To 10, Add</i> .....	38.54	
			<i>For &gt;10 To 50, Add</i> .....	19.27	
04 01 20	41-0029	EA	6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	206.64	
			<i>For Up To 10, Add</i> .....	38.54	
			<i>For &gt;10 To 50, Add</i> .....	19.27	
04 01 20	41-0030		<b>Mechanical Repair Anchors (Helifix® TorkFix)</b> <small>(04 01 20 41-0001)</small>		
			Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.		
04 01 20	41-0031		<b>304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix)</b> <small>(04 01 20 41-0030)</small>		
04 01 20	41-0032	EA	4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	10.79	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
04 01 20	41-0033	EA	5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	11.72	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
04 01 20	41-0034	EA	6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	12.65	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
04 01 20	41-0035	EA	7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	13.58	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
04 01 20	41-0036	EA	8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	14.51	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
04 01 20	41-0037	EA	9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	15.44	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
04 01 20	41-0038	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	10.79	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
04 01 20	41-0039	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	11.72	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
04 01 20	41-0040	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	12.65	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
04 01 20	41-0041	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	13.58	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
04 01 20	41-0042	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	14.51	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
04 01 20	41-0043	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	16.36	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
04 01 20	41-0044	EA	4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix) .....	10.79	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
04 01 20	41-0045	EA	6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix) .....	12.65	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
04 01 20	41-0046	EA	8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix) .....	14.04	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>04 01 20 41-0047 316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) <small>(04 01 20 41-0030)</small></b>		
04 01 20 41-0048 EA 4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	10.79	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
04 01 20 41-0049 EA 5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	11.72	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
04 01 20 41-0050 EA 6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.65	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
04 01 20 41-0051 EA 7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.58	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
04 01 20 41-0052 EA 8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.51	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
04 01 20 41-0053 EA 9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.44	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
04 01 20 41-0054 EA 4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	10.79	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
04 01 20 41-0055 EA 5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	11.72	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
04 01 20 41-0056 EA 6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.65	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
04 01 20 41-0057 EA 7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.58	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
04 01 20 41-0058 EA 8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.51	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
04 01 20 41-0059 EA 10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	16.36	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
04 01 20 41-0060 EA 4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	10.79	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
04 01 20 41-0061 EA 6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	12.65	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
04 01 20 41-0062 EA 8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	14.04	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<b>04 01 20 41-0063 Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) <small>(04 01 20 41-0001)</small></b>		
<small>Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.</small>		
<b>04 01 20 41-0064 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) <small>(04 01 20 41-0063)</small></b>		
04 01 20 41-0065 EA 8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.60	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0066 EA 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.94	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0067 EA 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.00	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0068 EA 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.14	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	

<b>04</b>	<b>Masonry</b>
<b>04 01</b>	<b>Maintenance of Masonry</b>
<b>04 01 20</b>	<b>Maintenance of Unit Masonry</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0069	EA		8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.38	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
			<i>For Metal Stud Clip, Add</i> .....	2.39	
04 01 20 41-0070	EA		8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.59	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
			<i>For Metal Stud Clip, Add</i> .....	2.39	
04 01 20 41-0071	EA		8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.69	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
			<i>For Metal Stud Clip, Add</i> .....	2.39	
04 01 20 41-0072	EA		8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.82	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
			<i>For Metal Stud Clip, Add</i> .....	2.39	
04 01 20 41-0073	EA		8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.41	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
			<i>For Metal Stud Clip, Add</i> .....	2.39	
04 01 20 41-0074	EA		8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.50	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
			<i>For Metal Stud Clip, Add</i> .....	2.39	
04 01 20 41-0075	EA		8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.21	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
			<i>For Metal Stud Clip, Add</i> .....	2.39	
04 01 20 41-0076	EA		8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.82	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
			<i>For Metal Stud Clip, Add</i> .....	2.39	
04 01 20 41-0077	EA		8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.34	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
			<i>For Metal Stud Clip, Add</i> .....	2.39	
04 01 20 41-0078	EA		8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.16	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
			<i>For Metal Stud Clip, Add</i> .....	2.39	
04 01 20 41-0079	EA		8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	15.78	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
			<i>For Metal Stud Clip, Add</i> .....	2.39	
04 01 20 41-0080	EA		8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	17.94	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
			<i>For Metal Stud Clip, Add</i> .....	2.39	
04 01 20 41-0081	EA		10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.72	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
			<i>For Metal Stud Clip, Add</i> .....	2.39	
04 01 20 41-0082	EA		10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.08	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
			<i>For Metal Stud Clip, Add</i> .....	2.39	
04 01 20 41-0083	EA		10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.40	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
			<i>For Metal Stud Clip, Add</i> .....	2.39	
04 01 20 41-0084	EA		10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.69	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
			<i>For Metal Stud Clip, Add</i> .....	2.39	
04 01 20 41-0085	EA		10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.88	
			<i>For Up To 10, Add</i> .....	5.78	
			<i>For &gt;10 To 50, Add</i> .....	2.89	
			<i>For Metal Stud Clip, Add</i> .....	2.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0086 EA 10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.01	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0087 EA 10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.22	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0088 EA 10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.31	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0089 EA 10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.73	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0090 EA 10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.33	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0091 EA 10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.83	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0092 EA 10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.47	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0093 EA 10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	15.89	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0094 EA 10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	17.80	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0095 EA 10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	20.78	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0096 EA 8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	9.50	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0097 EA 8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	9.71	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0098 EA 8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	9.85	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0099 EA 8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	9.95	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0100 EA 8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	10.25	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0101 EA 8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	10.72	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0102 EA 8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	10.90	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	

**04 Masonry****04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
04 01 20 41-0103	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....		11.37	
		<i>For Up To 10, Add</i>		5.78	
		<i>For &gt;10 To 50, Add</i>		2.89	
		<i>For Metal Stud Clip, Add</i>		2.39	
04 01 20 41-0104	EA	10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....		10.05	
		<i>For Up To 10, Add</i>		5.78	
		<i>For &gt;10 To 50, Add</i>		2.89	
		<i>For Metal Stud Clip, Add</i>		2.39	
04 01 20 41-0105	EA	10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....		10.46	
		<i>For Up To 10, Add</i>		5.78	
		<i>For &gt;10 To 50, Add</i>		2.89	
		<i>For Metal Stud Clip, Add</i>		2.39	
04 01 20 41-0106	EA	10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....		10.75	
		<i>For Up To 10, Add</i>		5.78	
		<i>For &gt;10 To 50, Add</i>		2.89	
		<i>For Metal Stud Clip, Add</i>		2.39	
04 01 20 41-0107	EA	10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....		10.93	
		<i>For Up To 10, Add</i>		5.78	
		<i>For &gt;10 To 50, Add</i>		2.89	
		<i>For Metal Stud Clip, Add</i>		2.39	
04 01 20 41-0108	EA	10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....		11.06	
		<i>For Up To 10, Add</i>		5.78	
		<i>For &gt;10 To 50, Add</i>		2.89	
		<i>For Metal Stud Clip, Add</i>		2.39	
04 01 20 41-0109	EA	10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....		11.37	
		<i>For Up To 10, Add</i>		5.78	
		<i>For &gt;10 To 50, Add</i>		2.89	
		<i>For Metal Stud Clip, Add</i>		2.39	
04 01 20 41-0110	EA	304 Stainless Steel, Seismic Connector (Helifix® DryFix®) .....		4.57	
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.			
		<i>For Up To 10, Add</i>		2.89	
		<i>For &gt;10 To 50, Add</i>		1.45	
<b>04 01 20 41-0111</b>		<b>316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0063)</b>			
04 01 20 41-0112	EA	8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....		9.13	
		<i>For Up To 10, Add</i>		5.78	
		<i>For &gt;10 To 50, Add</i>		2.89	
		<i>For Metal Stud Clip, Add</i>		2.39	
04 01 20 41-0113	EA	8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....		9.55	
		<i>For Up To 10, Add</i>		5.78	
		<i>For &gt;10 To 50, Add</i>		2.89	
		<i>For Metal Stud Clip, Add</i>		2.39	
04 01 20 41-0114	EA	8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....		9.63	
		<i>For Up To 10, Add</i>		5.78	
		<i>For &gt;10 To 50, Add</i>		2.89	
		<i>For Metal Stud Clip, Add</i>		2.39	
04 01 20 41-0115	EA	8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....		9.80	
		<i>For Up To 10, Add</i>		5.78	
		<i>For &gt;10 To 50, Add</i>		2.89	
		<i>For Metal Stud Clip, Add</i>		2.39	
04 01 20 41-0116	EA	8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....		10.11	
		<i>For Up To 10, Add</i>		5.78	
		<i>For &gt;10 To 50, Add</i>		2.89	
		<i>For Metal Stud Clip, Add</i>		2.39	
04 01 20 41-0117	EA	8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....		10.36	
		<i>For Up To 10, Add</i>		5.78	
		<i>For &gt;10 To 50, Add</i>		2.89	
		<i>For Metal Stud Clip, Add</i>		2.39	
04 01 20 41-0118	EA	8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....		10.49	
		<i>For Up To 10, Add</i>		5.78	
		<i>For &gt;10 To 50, Add</i>		2.89	
		<i>For Metal Stud Clip, Add</i>		2.39	
04 01 20 41-0119	EA	8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....		10.66	
		<i>For Up To 10, Add</i>		5.78	
		<i>For &gt;10 To 50, Add</i>		2.89	
		<i>For Metal Stud Clip, Add</i>		2.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0120 EA 8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.27	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0121 EA 8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.38	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0122 EA 8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.27	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0123 EA 8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.03	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0124 EA 8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.68	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0125 EA 8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	15.95	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0126 EA 8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	17.80	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0127 EA 8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	20.49	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0128 EA 10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.35	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0129 EA 10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.76	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0130 EA 10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.16	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0131 EA 10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.53	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0132 EA 10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.76	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0133 EA 10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.92	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0134 EA 10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.19	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0135 EA 10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.30	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0136 EA 10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.79	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	

**04 Masonry****04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
04 01 20 41-0137	EA	10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.47		
		<i>For Up To 10, Add</i>	5.78		
		<i>For &gt;10 To 50, Add</i>	2.89		
		<i>For Metal Stud Clip, Add</i>	2.39		
04 01 20 41-0138	EA	10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.09		
		<i>For Up To 10, Add</i>	5.78		
		<i>For &gt;10 To 50, Add</i>	2.89		
		<i>For Metal Stud Clip, Add</i>	2.39		
04 01 20 41-0139	EA	10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.88		
		<i>For Up To 10, Add</i>	5.78		
		<i>For &gt;10 To 50, Add</i>	2.89		
		<i>For Metal Stud Clip, Add</i>	2.39		
04 01 20 41-0140	EA	10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.15		
		<i>For Up To 10, Add</i>	5.78		
		<i>For &gt;10 To 50, Add</i>	2.89		
		<i>For Metal Stud Clip, Add</i>	2.39		
04 01 20 41-0141	EA	10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	20.20		
		<i>For Up To 10, Add</i>	5.78		
		<i>For &gt;10 To 50, Add</i>	2.89		
		<i>For Metal Stud Clip, Add</i>	2.39		
04 01 20 41-0142	EA	10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	23.92		
		<i>For Up To 10, Add</i>	5.78		
		<i>For &gt;10 To 50, Add</i>	2.89		
		<i>For Metal Stud Clip, Add</i>	2.39		
04 01 20 41-0143	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.34		
		<i>For Up To 10, Add</i>	5.78		
		<i>For &gt;10 To 50, Add</i>	2.89		
		<i>For Metal Stud Clip, Add</i>	2.39		
04 01 20 41-0144	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.58		
		<i>For Up To 10, Add</i>	5.78		
		<i>For &gt;10 To 50, Add</i>	2.89		
		<i>For Metal Stud Clip, Add</i>	2.39		
04 01 20 41-0145	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.74		
		<i>For Up To 10, Add</i>	5.78		
		<i>For &gt;10 To 50, Add</i>	2.89		
		<i>For Metal Stud Clip, Add</i>	2.39		
04 01 20 41-0146	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.87		
		<i>For Up To 10, Add</i>	5.78		
		<i>For &gt;10 To 50, Add</i>	2.89		
		<i>For Metal Stud Clip, Add</i>	2.39		
04 01 20 41-0147	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.25		
		<i>For Up To 10, Add</i>	5.78		
		<i>For &gt;10 To 50, Add</i>	2.89		
		<i>For Metal Stud Clip, Add</i>	2.39		
04 01 20 41-0148	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.84		
		<i>For Up To 10, Add</i>	5.78		
		<i>For &gt;10 To 50, Add</i>	2.89		
		<i>For Metal Stud Clip, Add</i>	2.39		
04 01 20 41-0149	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.03		
		<i>For Up To 10, Add</i>	5.78		
		<i>For &gt;10 To 50, Add</i>	2.89		
		<i>For Metal Stud Clip, Add</i>	2.39		
04 01 20 41-0150	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.62		
		<i>For Up To 10, Add</i>	5.78		
		<i>For &gt;10 To 50, Add</i>	2.89		
		<i>For Metal Stud Clip, Add</i>	2.39		
04 01 20 41-0151	EA	10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.94		
		<i>For Up To 10, Add</i>	5.78		
		<i>For &gt;10 To 50, Add</i>	2.89		
		<i>For Metal Stud Clip, Add</i>	2.39		
04 01 20 41-0152	EA	10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.46		
		<i>For Up To 10, Add</i>	5.78		
		<i>For &gt;10 To 50, Add</i>	2.89		
		<i>For Metal Stud Clip, Add</i>	2.39		
04 01 20 41-0153	EA	10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.82		
		<i>For Up To 10, Add</i>	5.78		
		<i>For &gt;10 To 50, Add</i>	2.89		
		<i>For Metal Stud Clip, Add</i>	2.39		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0154 EA 10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	12.05	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0155 EA 10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	12.21	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0156 EA 10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	12.59	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<i>For Metal Stud Clip, Add</i>	2.39	
04 01 20 41-0157 EA 316 Stainless Steel, Seismic Connector (Helifix® DryFix®) .....	4.98	
Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
<i>For Up To 10, Add</i>	2.89	
<i>For &gt;10 To 50, Add</i>	1.45	
<b>04 01 20 41-0158 Concrete Patching Pins (Helifix® PatchPin) (04 01 20 41-0001)</b>		
Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.		
<b>04 01 20 41-0159 304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)</b>		
(04 01 20 41-0158)		
04 01 20 41-0160 EA 8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) .....	7.31	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
04 01 20 41-0161 EA 8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) .....	7.35	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<b>04 01 20 41-0162 316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)</b>		
(04 01 20 41-0158)		
04 01 20 41-0163 EA 8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) .....	7.59	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
04 01 20 41-0164 EA 8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) .....	7.66	
<i>For Up To 10, Add</i>	5.78	
<i>For &gt;10 To 50, Add</i>	2.89	
<b>04 01 20 41-0165 Movement Joint Ties (Helifix® Movement Joint Tie (04 01 20 41-0001)</b>		
Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.		
<b>04 01 20 41-0166 304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)</b>		
04 01 20 41-0167 EA 6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie) .....	47.26	
<i>For Up To 10, Add</i>	38.54	
<i>For &gt;10 To 50, Add</i>	19.27	
<b>04 01 20 41-0168 316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)</b>		
04 01 20 41-0169 EA 6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie) .....	48.56	
<i>For Up To 10, Add</i>	38.54	
<i>For &gt;10 To 50, Add</i>	19.27	
<b>04 01 20 41-0170 Unit Masonry Stabilization (04 01 20 41)</b>		
<b>04 01 20 41-0171 Repair Bulging Or Loose Masonry (04 01 20 41-0170)</b>		
04 01 20 41-0172 SF Repair Bulging Or Loose Masonry Using Existing Masonry.....	77.01	
Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and reinstalling brick and mortar.		
04 01 20 41-0173 SF Repair Bulging Or Loose Masonry Using New Masonry.....	82.72	
Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and installing new brick and mortar.		
<b>04 01 20 51 Unit Masonry Maintenance (04 01 20)</b>		
04 01 20 51-0001 Grind Unit Masonry (04 01 20 51)		
04 01 20 51-0002 SF Grind Smooth Masonry Wall.....	3.68	
<b>04 01 20 91 Unit Masonry Restoration (04 01 20)</b>		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>04 01 20 91-0001</b>	<b>Cut And Repoint Masonry</b> (04 01 20 91) Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.	
04 01 20 91-0002	SF Cut And Repoint, Hard Mortar, Running Bond, Brick.....	9.67
	For Common Bond, Add	0.36
	For Flemish Bond, Add	1.26
	For English Bond, Add	2.08
	For Oversized Or Larger Than Standard, Deduct	-1.45
	For >250 To 1,000, Deduct	-0.45
	For >1,000, Deduct	-0.94
04 01 20 91-0003	SF Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Brick.....	6.77
	For Common Bond, Add	0.25
	For Flemish Bond, Add	0.86
	For English Bond, Add	1.41
	For Oversized Or Larger Than Standard, Deduct	-1.02
	For >250 To 1,000, Deduct	-0.31
	For >1,000, Deduct	-0.65
04 01 20 91-0004	SF Cut And Repoint, Hard Mortar, Running Bond, Concrete Block.....	5.09
	For Common Bond, Add	0.18
	For Oversized Or Larger Than Standard, Deduct	-0.76
	For >250 To 1,000, Deduct	-0.22
	For >1,000, Deduct	-0.48
04 01 20 91-0005	SF Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Concrete Block.....	3.68
	For Common Bond, Add	0.12
	For Oversized Or Larger Than Standard, Deduct	-0.55
	For >250 To 1,000, Deduct	-0.15
	For >1,000, Deduct	-0.34
04 01 20 91-0006	LF Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area.....	3.09
<b>04 01 20 91-0007</b>	<b>Repair Masonry</b> (04 01 20 91) Note: Includes mortar for repair.	
04 01 20 91-0008	SF Patch And Repair Terra Cotta Walls Or Coping.....	19.11
	Note: Including Replacement Of Damaged Material	
04 01 20 91-0009	SF Patch And Repair Terra Cotta Floors.....	17.83
	Note: Including Replacement Of Damaged Material	
04 01 20 91-0010	LF Chip And Repair With Masonry Patch, Cracks Up To 1/4".....	4.45
04 01 20 91-0011	SF Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade.....	7.63
04 01 20 91-0012	LF Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570).....	31.89
	For Cracks Accessible From Both Sides, Add	6.49
04 01 20 91-0013	LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52).....	27.89
	For Cracks Accessible From Both Sides, Add	6.49
04 01 20 91-0014	LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52).....	7.41
	For V-Grooving Crack With Grinder, Add	5.22
04 01 20 91-0015	LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52).....	10.08
	For V-Grooving Crack With Grinder, Add	4.96
<b>04 01 50</b>	<b>Maintenance of Refractory Masonry</b> (04 01)	
<b>04 01 50 52</b>	<b>Refractory Masonry Cleaning</b> (04 01 50)	
<b>04 01 50 52-0001</b>	<b>Chimney Cleaning</b> (04 01 50 52)	
04 01 50 52-0002	LF Up To 2 SF Cross Section Chimney Cleaning.....	6.35
04 01 50 52-0003	LF >2 To 4 SF Cross Section Chimney Cleaning.....	12.69
04 01 50 52-0004	LF >4 SF Cross Section Chimney Cleaning.....	19.05
<b>04 05</b>	<b>Common Work Results for Masonry</b> (04)	
<b>04 05 13</b>	<b>Masonry Mortaring</b> (04 05)	
<b>04 05 13 26</b>	<b>Engineered Masonry Mortaring</b> (04 05 13) Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.	
<b>04 05 13 26-0001</b>	<b>Masonry Cement Mortar</b> (04 05 13 26) Note: Ratio is bag material to sand.	
04 05 13 26-0002	CF Type M Masonry Cement 1:1:6 Mix.....	7.65
04 05 13 26-0003	CF Type N Masonry Cement 1:3 Mix.....	7.06
04 05 13 26-0004	CF Type O Masonry Cement 1:3 Mix.....	7.25
04 05 13 26-0005	CF Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI.....	7.93
04 05 13 26-0006	CF Type S Masonry Cement 1/2:1:4 Mix.....	8.37
<b>04 05 13 26-0007</b>	<b>Mortar Admixture</b> (04 05 13 26)	
04 05 13 26-0008	CF Water - Repellent Stearate - Cost Based On CF Of Mortar.....	0.41
04 05 13 26-0009	CF Pozzolanic Plasticizers - Cost Based On CF Of Mortar.....	0.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>04 05 13 26-0010</b> <b>Color Admixtures For Mortar</b> <small>(04 05 13 26)</small>		
<i>Note: Costs are based on CF of mortar.</i>		
04 05 13 26-0011    CF    Buff Colored Admixture.....	2.60	
04 05 13 26-0012    CF    Brown Colored Admixture.....	2.95	
04 05 13 26-0013    CF    Black Colored Admixture.....	3.65	
04 05 13 26-0014    CF    Red Colored Admixture.....	7.98	
<b>04 05 13 26-0015</b> <b>Portland Cement</b> <small>(04 05 13 26)</small>		
04 05 13 26-0016    CF    Normal Portland Cement (Type I).....	13.84	
04 05 13 26-0017    CF    Modified Portland Cement (Type II).....	6.90	
04 05 13 26-0018    CF    High Early Strength Portland Cement (Type III).....	7.33	
04 05 13 26-0019    CF    White Non Staining Portland Cement (Type I).....	15.34	
<b>04 05 16</b> <b>Masonry Grouting</b> <small>(04 05)</small>		
<b>04 05 16 26</b> <b>Engineered Masonry Grouting</b> <small>(04 05 16)</small>		
<i>Note: Excludes reinforcement.</i>		
<b>04 05 16 26-0001</b> <b>Grout Bond Beams And Lintels, Grout Fill</b> <small>(04 05 16 26)</small>		
<i>Note: Excludes block.</i>		
04 05 16 26-0002    LF    Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep.....	4.29	
04 05 16 26-0003    LF    Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep.....	4.68	
04 05 16 26-0004    LF    Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep.....	5.24	
04 05 16 26-0005    LF    Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep.....	5.85	
<b>04 05 16 26-0006</b> <b>Grout Concrete Block Cores, Grout Fill</b> <small>(04 05 16 26)</small>		
<i>Note: Per SF of face area filled.</i>		
04 05 16 26-0007    SF    Grout Concrete Block Cores- 4" Block, Grout Fill Block Solid (0.067 CF/SF).....	3.33	
04 05 16 26-0008    SF    Grout Concrete Block Cores- 6" Block, Grout Fill Block Solid (0.175 CF/SF).....	4.85	
04 05 16 26-0009    SF    Grout Concrete Block Cores- 8" Block, Grout Fill Block Solid (0.258 CF/SF).....	6.93	
04 05 16 26-0010    SF    Grout Concrete Block Cores- 10" Block, Grout Fill Block Solid (0.34 CF/SF).....	8.52	
04 05 16 26-0011    SF    Grout Concrete Block Cores- 12" Block, Grout Fill Block Solid (0.422 CF/SF).....	10.07	
<b>04 05 16 26-0012</b> <b>Grout Cavity Walls, Grout Fill</b> <small>(04 05 16 26)</small>		
<i>Note: Per SF of face area filled.</i>		
04 05 16 26-0013    SF    Grout Cavity Walls - 2" Space, Grout Fill (0.167 CF/SF).....	3.94	
04 05 16 26-0014    SF    Grout Cavity Walls - 3" Space, Grout Fill (0.250 CF/SF).....	5.56	
04 05 16 26-0015    SF    Grout Cavity Walls - 4" Space, Grout Fill (0.333 CF/SF).....	6.98	
04 05 16 26-0016    SF    Grout Cavity Walls - 6" Space, Grout Fill (0.500 CF/SF).....	9.48	
<b>04 05 16 26-0017</b> <b>Grout Frames, Grout Fill</b> <small>(04 05 16 26)</small>		
04 05 16 26-0018    LF    Grout Door Frames - Grout Fill.....	6.27	
04 05 16 26-0019    LF    Grout Window Frames - Grout Fill.....	5.37	
<b>04 05 16 26-0020</b> <b>Sand Filled Walls</b> <small>(04 05 16 26)</small>		
<b>04 05 16 26-0021</b> <b>Sand Fill Cavity Walls, Sand Fill</b> <small>(04 05 16 26-0020)</small>		
<i>Note: Per SF of face area filled.</i>		
04 05 16 26-0022    SF    Sand Fill Cavity Walls - 2" Space, Sand Fill (0.167 CF/SF).....	3.23	
04 05 16 26-0023    SF    Sand Fill Cavity Walls - 3" Space, Sand Fill (0.250 CF/SF).....	4.45	
04 05 16 26-0024    SF    Sand Fill Cavity Walls - 4" Space, Sand Fill (0.333 CF/SF).....	5.46	
04 05 16 26-0025    SF    Sand Fill Cavity Walls - 6" Space, Sand Fill (0.500 CF/SF).....	7.28	
<b>04 05 19</b> <b>Masonry Anchorage and Reinforcing</b> <small>(04 05)</small>		
<b>04 05 19 13</b> <b>Continuous Joint Reinforcing</b> <small>(04 05 19)</small>		
<i>Note: Includes cutting and bending.</i>		
04 05 19 13-0001 <b>Continuous Joint Reinforcing</b> <small>(04 05 19 13)</small>		
04 05 19 13-0002 <b>Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0001)</small>		
04 05 19 13-0003 <b>Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0002)</small>		
04 05 19 13-0004 <b>Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0005    CLF    #4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	55.35	
<i>For Hot-Dipped Galvanized, Add</i>		8.80
<i>For Stainless Steel, Add</i>		35.20
04 05 19 13-0006    CLF    #6 (For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	58.82	
<i>For Hot-Dipped Galvanized, Add</i>		9.25
<i>For Stainless Steel, Add</i>		36.98

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0007	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	63.49		
		<i>For Hot-Dipped Galvanized, Add</i>	9.75		
		<i>For Stainless Steel, Add</i>	38.98		
04 05 19 13-0008	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	69.02		
		<i>For Hot-Dipped Galvanized, Add</i>	10.31		
		<i>For Stainless Steel, Add</i>	41.24		
04 05 19 13-0009	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	75.50		
		<i>For Hot-Dipped Galvanized, Add</i>	10.86		
		<i>For Stainless Steel, Add</i>	43.44		
04 05 19 13-0010	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	80.34		
		<i>For Hot-Dipped Galvanized, Add</i>	11.13		
		<i>For Stainless Steel, Add</i>	44.52		
04 05 19 13-0011	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	83.86		
		<i>For Hot-Dipped Galvanized, Add</i>	11.44		
		<i>For Stainless Steel, Add</i>	45.76		
04 05 19 13-0012	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	96.30		
		<i>For Hot-Dipped Galvanized, Add</i>	15.73		
		<i>For Stainless Steel, Add</i>	62.90		
04 05 19 13-0013	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	117.35		
		<i>For Hot-Dipped Galvanized, Add</i>	24.31		
		<i>For Stainless Steel, Add</i>	97.24		
<b>04 05 19 13-0014</b>		<b>Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>			
04 05 19 13-0015	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	65.11		
		<i>For Hot-Dipped Galvanized, Add</i>	13.68		
		<i>For Stainless Steel, Add</i>	54.72		
04 05 19 13-0016	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	68.68		
		<i>For Hot-Dipped Galvanized, Add</i>	14.18		
		<i>For Stainless Steel, Add</i>	56.70		
04 05 19 13-0017	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	73.46		
		<i>For Hot-Dipped Galvanized, Add</i>	14.73		
		<i>For Stainless Steel, Add</i>	58.92		
04 05 19 13-0018	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	78.88		
		<i>For Hot-Dipped Galvanized, Add</i>	15.24		
		<i>For Stainless Steel, Add</i>	60.96		
04 05 19 13-0019	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	85.34		
		<i>For Hot-Dipped Galvanized, Add</i>	15.78		
		<i>For Stainless Steel, Add</i>	63.12		
04 05 19 13-0020	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	90.21		
		<i>For Hot-Dipped Galvanized, Add</i>	16.08		
		<i>For Stainless Steel, Add</i>	64.30		
04 05 19 13-0021	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	93.68		
		<i>For Hot-Dipped Galvanized, Add</i>	16.35		
		<i>For Stainless Steel, Add</i>	65.38		
04 05 19 13-0022	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	109.28		
		<i>For Hot-Dipped Galvanized, Add</i>	22.22		
		<i>For Stainless Steel, Add</i>	88.86		
04 05 19 13-0023	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	139.59		
		<i>For Hot-Dipped Galvanized, Add</i>	35.44		
		<i>For Stainless Steel, Add</i>	141.76		
<b>04 05 19 13-0024</b>		<b>Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>			
04 05 19 13-0025	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	74.57		
		<i>For Hot-Dipped Galvanized, Add</i>	18.41		
		<i>For Stainless Steel, Add</i>	73.64		
04 05 19 13-0026	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	79.50		
		<i>For Hot-Dipped Galvanized, Add</i>	19.42		
		<i>For Stainless Steel, Add</i>	77.68		
04 05 19 13-0027	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	84.42		
		<i>For Hot-Dipped Galvanized, Add</i>	20.43		
		<i>For Stainless Steel, Add</i>	81.72		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0028 CLF #10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	91.69	
<i>For Hot-Dipped Galvanized, Add</i>	21.65	
<i>For Stainless Steel, Add</i>	86.58	
04 05 19 13-0029 CLF #12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	98.93	
<i>For Hot-Dipped Galvanized, Add</i>	22.84	
<i>For Stainless Steel, Add</i>	91.36	
04 05 19 13-0030 CLF #13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	105.06	
<i>For Hot-Dipped Galvanized, Add</i>	23.49	
<i>For Stainless Steel, Add</i>	93.96	
04 05 19 13-0031 CLF #14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	108.58	
<i>For Hot-Dipped Galvanized, Add</i>	24.04	
<i>For Stainless Steel, Add</i>	96.16	
04 05 19 13-0032 CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	115.15	
<i>For Hot-Dipped Galvanized, Add</i>	25.15	
<i>For Stainless Steel, Add</i>	100.58	
04 05 19 13-0033 CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	152.28	
<i>For Hot-Dipped Galvanized, Add</i>	41.78	
<i>For Stainless Steel, Add</i>	167.10	
<b>04 05 19 13-0034 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0035 CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	77.82	
<i>For Hot-Dipped Galvanized, Add</i>	20.04	
<i>For Stainless Steel, Add</i>	80.14	
04 05 19 13-0036 CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	81.27	
<i>For Hot-Dipped Galvanized, Add</i>	20.47	
<i>For Stainless Steel, Add</i>	81.88	
04 05 19 13-0037 CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	85.94	
<i>For Hot-Dipped Galvanized, Add</i>	20.97	
<i>For Stainless Steel, Add</i>	83.88	
04 05 19 13-0038 CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	91.47	
<i>For Hot-Dipped Galvanized, Add</i>	21.54	
<i>For Stainless Steel, Add</i>	86.14	
04 05 19 13-0039 CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	97.97	
<i>For Hot-Dipped Galvanized, Add</i>	22.09	
<i>For Stainless Steel, Add</i>	88.36	
04 05 19 13-0040 CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	102.80	
<i>For Hot-Dipped Galvanized, Add</i>	22.36	
<i>For Stainless Steel, Add</i>	89.44	
04 05 19 13-0041 CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	106.30	
<i>For Hot-Dipped Galvanized, Add</i>	22.67	
<i>For Stainless Steel, Add</i>	90.66	
04 05 19 13-0042 CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	118.76	
<i>For Hot-Dipped Galvanized, Add</i>	26.95	
<i>For Stainless Steel, Add</i>	107.80	
<b>04 05 19 13-0043 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0044 CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	87.57	
<i>For Hot-Dipped Galvanized, Add</i>	24.91	
<i>For Stainless Steel, Add</i>	99.64	
04 05 19 13-0045 CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	91.15	
<i>For Hot-Dipped Galvanized, Add</i>	25.41	
<i>For Stainless Steel, Add</i>	101.64	
04 05 19 13-0046 CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	95.93	
<i>For Hot-Dipped Galvanized, Add</i>	25.97	
<i>For Stainless Steel, Add</i>	103.86	
04 05 19 13-0047 CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	101.36	
<i>For Hot-Dipped Galvanized, Add</i>	26.48	
<i>For Stainless Steel, Add</i>	105.92	
04 05 19 13-0048 CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	107.82	
<i>For Hot-Dipped Galvanized, Add</i>	27.02	
<i>For Stainless Steel, Add</i>	108.06	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0049	CLF	#13	(For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	112.68	
			<i>For Hot-Dipped Galvanized, Add</i> .....	27.31	
			<i>For Stainless Steel, Add</i> .....	109.24	
04 05 19 13-0050	CLF	#14	(For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	116.14	
			<i>For Hot-Dipped Galvanized, Add</i> .....	27.58	
			<i>For Stainless Steel, Add</i> .....	110.32	
04 05 19 13-0051	CLF	#16	(For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	131.74	
			<i>For Hot-Dipped Galvanized, Add</i> .....	33.45	
			<i>For Stainless Steel, Add</i> .....	133.78	
04 05 19 13-0052	CLF	#18	(For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	162.07	
			<i>For Hot-Dipped Galvanized, Add</i> .....	46.68	
			<i>For Stainless Steel, Add</i> .....	186.72	
<b>04 05 19 13-0053</b>			<b>Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0054	CLF	#4	(For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	97.02	
			<i>For Hot-Dipped Galvanized, Add</i> .....	29.64	
			<i>For Stainless Steel, Add</i> .....	118.54	
04 05 19 13-0055	CLF	#6	(For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	101.96	
			<i>For Hot-Dipped Galvanized, Add</i> .....	30.65	
			<i>For Stainless Steel, Add</i> .....	122.60	
04 05 19 13-0056	CLF	#8	(For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	106.89	
			<i>For Hot-Dipped Galvanized, Add</i> .....	31.67	
			<i>For Stainless Steel, Add</i> .....	126.66	
04 05 19 13-0057	CLF	#10	(For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	114.14	
			<i>For Hot-Dipped Galvanized, Add</i> .....	32.87	
			<i>For Stainless Steel, Add</i> .....	131.48	
04 05 19 13-0058	CLF	#12	(For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	121.40	
			<i>For Hot-Dipped Galvanized, Add</i> .....	34.08	
			<i>For Stainless Steel, Add</i> .....	136.30	
04 05 19 13-0059	CLF	#13	(For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	127.51	
			<i>For Hot-Dipped Galvanized, Add</i> .....	34.72	
			<i>For Stainless Steel, Add</i> .....	138.86	
04 05 19 13-0060	CLF	#14	(For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	131.04	
			<i>For Hot-Dipped Galvanized, Add</i> .....	35.27	
			<i>For Stainless Steel, Add</i> .....	141.08	
04 05 19 13-0061	CLF	#16	(For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	137.61	
			<i>For Hot-Dipped Galvanized, Add</i> .....	36.38	
			<i>For Stainless Steel, Add</i> .....	145.50	
04 05 19 13-0062	CLF	#18	(For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	174.74	
			<i>For Hot-Dipped Galvanized, Add</i> .....	53.01	
			<i>For Stainless Steel, Add</i> .....	212.02	
<b>04 05 19 13-0063</b>			<b>Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0064	CLF	#4	(For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	100.28	
			<i>For Hot-Dipped Galvanized, Add</i> .....	31.27	
			<i>For Stainless Steel, Add</i> .....	125.06	
04 05 19 13-0065	CLF	#6	(For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	103.73	
			<i>For Hot-Dipped Galvanized, Add</i> .....	31.70	
			<i>For Stainless Steel, Add</i> .....	126.80	
04 05 19 13-0066	CLF	#8	(For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	108.40	
			<i>For Hot-Dipped Galvanized, Add</i> .....	32.20	
			<i>For Stainless Steel, Add</i> .....	128.80	
04 05 19 13-0067	CLF	#10	(For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	113.93	
			<i>For Hot-Dipped Galvanized, Add</i> .....	32.77	
			<i>For Stainless Steel, Add</i> .....	131.06	
04 05 19 13-0068	CLF	#12	(For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	120.43	
			<i>For Hot-Dipped Galvanized, Add</i> .....	33.32	
			<i>For Stainless Steel, Add</i> .....	133.28	
04 05 19 13-0069	CLF	#13	(For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	125.26	
			<i>For Hot-Dipped Galvanized, Add</i> .....	33.59	
			<i>For Stainless Steel, Add</i> .....	134.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0070 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	128.76	
<i>For Hot-Dipped Galvanized, Add</i>	33.90	
<i>For Stainless Steel, Add</i>	135.58	
04 05 19 13-0071 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	141.23	
<i>For Hot-Dipped Galvanized, Add</i>	38.19	
<i>For Stainless Steel, Add</i>	152.74	
04 05 19 13-0072 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	162.26	
<i>For Hot-Dipped Galvanized, Add</i>	46.77	
<i>For Stainless Steel, Add</i>	187.08	
<b>04 05 19 13-0073 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0074 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	110.03	
<i>For Hot-Dipped Galvanized, Add</i>	36.14	
<i>For Stainless Steel, Add</i>	144.56	
04 05 19 13-0075 CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	113.61	
<i>For Hot-Dipped Galvanized, Add</i>	36.64	
<i>For Stainless Steel, Add</i>	146.56	
04 05 19 13-0076 CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	118.39	
<i>For Hot-Dipped Galvanized, Add</i>	37.20	
<i>For Stainless Steel, Add</i>	148.78	
04 05 19 13-0077 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	123.82	
<i>For Hot-Dipped Galvanized, Add</i>	37.71	
<i>For Stainless Steel, Add</i>	150.84	
04 05 19 13-0078 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	130.28	
<i>For Hot-Dipped Galvanized, Add</i>	38.25	
<i>For Stainless Steel, Add</i>	152.98	
04 05 19 13-0079 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	135.14	
<i>For Hot-Dipped Galvanized, Add</i>	38.54	
<i>For Stainless Steel, Add</i>	154.16	
04 05 19 13-0080 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	138.60	
<i>For Hot-Dipped Galvanized, Add</i>	38.81	
<i>For Stainless Steel, Add</i>	155.24	
04 05 19 13-0081 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	154.20	
<i>For Hot-Dipped Galvanized, Add</i>	44.68	
<i>For Stainless Steel, Add</i>	178.70	
04 05 19 13-0082 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	184.53	
<i>For Hot-Dipped Galvanized, Add</i>	57.91	
<i>For Stainless Steel, Add</i>	231.64	
<b>04 05 19 13-0083 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0084 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	119.48	
<i>For Hot-Dipped Galvanized, Add</i>	40.87	
<i>For Stainless Steel, Add</i>	163.46	
04 05 19 13-0085 CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	124.42	
<i>For Hot-Dipped Galvanized, Add</i>	41.88	
<i>For Stainless Steel, Add</i>	167.52	
04 05 19 13-0086 CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	129.35	
<i>For Hot-Dipped Galvanized, Add</i>	42.90	
<i>For Stainless Steel, Add</i>	171.58	
04 05 19 13-0087 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	136.60	
<i>For Hot-Dipped Galvanized, Add</i>	44.10	
<i>For Stainless Steel, Add</i>	176.40	
04 05 19 13-0088 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	143.86	
<i>For Hot-Dipped Galvanized, Add</i>	45.31	
<i>For Stainless Steel, Add</i>	181.22	
04 05 19 13-0089 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	149.98	
<i>For Hot-Dipped Galvanized, Add</i>	45.95	
<i>For Stainless Steel, Add</i>	183.80	
04 05 19 13-0090 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	153.50	
<i>For Hot-Dipped Galvanized, Add</i>	46.50	
<i>For Stainless Steel, Add</i>	186.00	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0091	CLF		#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	160.07	
			<i>For Hot-Dipped Galvanized, Add</i> .....	47.61	
			<i>For Stainless Steel, Add</i> .....	190.42	
04 05 19 13-0092	CLF		#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	197.20	
			<i>For Hot-Dipped Galvanized, Add</i> .....	64.24	
			<i>For Stainless Steel, Add</i> .....	256.94	
<b>04 05 19 13-0093</b>			<b>Ladder-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0002)</small>		
<b>04 05 19 13-0094</b>			<b>9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0093)</small>		
04 05 19 13-0095	CLF		#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	78.93	
			<i>For Hot-Dipped Galvanized, Add</i> .....	14.96	
			<i>For Stainless Steel, Add</i> .....	59.84	
04 05 19 13-0096	CLF		#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	87.12	
			<i>For Hot-Dipped Galvanized, Add</i> .....	16.34	
			<i>For Stainless Steel, Add</i> .....	65.34	
04 05 19 13-0097	CLF		#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	94.99	
			<i>For Hot-Dipped Galvanized, Add</i> .....	17.55	
			<i>For Stainless Steel, Add</i> .....	70.18	
04 05 19 13-0098	CLF		#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	101.83	
			<i>For Hot-Dipped Galvanized, Add</i> .....	18.25	
			<i>For Stainless Steel, Add</i> .....	72.98	
04 05 19 13-0099	CLF		#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	105.86	
			<i>For Hot-Dipped Galvanized, Add</i> .....	18.90	
			<i>For Stainless Steel, Add</i> .....	75.58	
04 05 19 13-0100	CLF		#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	113.64	
			<i>For Hot-Dipped Galvanized, Add</i> .....	20.34	
			<i>For Stainless Steel, Add</i> .....	81.34	
04 05 19 13-0101	CLF		#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	120.36	
			<i>For Hot-Dipped Galvanized, Add</i> .....	21.52	
			<i>For Stainless Steel, Add</i> .....	86.08	
<b>04 05 19 13-0102</b>			<b>3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0093)</small>		
04 05 19 13-0103	CLF		#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	91.08	
			<i>For Hot-Dipped Galvanized, Add</i> .....	21.04	
			<i>For Stainless Steel, Add</i> .....	84.14	
04 05 19 13-0104	CLF		#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	99.30	
			<i>For Hot-Dipped Galvanized, Add</i> .....	22.43	
			<i>For Stainless Steel, Add</i> .....	89.70	
04 05 19 13-0105	CLF		#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	107.04	
			<i>For Hot-Dipped Galvanized, Add</i> .....	23.57	
			<i>For Stainless Steel, Add</i> .....	94.28	
04 05 19 13-0106	CLF		#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	114.02	
			<i>For Hot-Dipped Galvanized, Add</i> .....	24.34	
			<i>For Stainless Steel, Add</i> .....	97.36	
04 05 19 13-0107	CLF		#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	118.01	
			<i>For Hot-Dipped Galvanized, Add</i> .....	24.97	
			<i>For Stainless Steel, Add</i> .....	99.88	
04 05 19 13-0108	CLF		#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	125.80	
			<i>For Hot-Dipped Galvanized, Add</i> .....	26.42	
			<i>For Stainless Steel, Add</i> .....	105.66	
04 05 19 13-0109	CLF		#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	132.68	
			<i>For Hot-Dipped Galvanized, Add</i> .....	27.68	
			<i>For Stainless Steel, Add</i> .....	110.72	
<b>04 05 19 13-0110</b>			<b>3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0093)</small>		
04 05 19 13-0111	CLF		#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	96.99	
			<i>For Hot-Dipped Galvanized, Add</i> .....	23.99	
			<i>For Stainless Steel, Add</i> .....	95.96	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0112	CLF	#10		(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	106.60	
				<i>For Hot-Dipped Galvanized, Add</i> .....	26.08	
				<i>For Stainless Steel, Add</i> .....	104.30	
04 05 19 13-0113	CLF	#12		(For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	116.15	
				<i>For Hot-Dipped Galvanized, Add</i> .....	28.13	
				<i>For Stainless Steel, Add</i> .....	112.50	
04 05 19 13-0114	CLF	#13		(For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	123.77	
				<i>For Hot-Dipped Galvanized, Add</i> .....	29.22	
				<i>For Stainless Steel, Add</i> .....	116.86	
04 05 19 13-0115	CLF	#14		(For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	128.50	
				<i>For Hot-Dipped Galvanized, Add</i> .....	30.22	
				<i>For Stainless Steel, Add</i> .....	120.86	
04 05 19 13-0116	CLF	#16		(For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	137.66	
				<i>For Hot-Dipped Galvanized, Add</i> .....	32.35	
				<i>For Stainless Steel, Add</i> .....	129.38	
04 05 19 13-0117	CLF	#18		(For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	146.18	
				<i>For Hot-Dipped Galvanized, Add</i> .....	34.43	
				<i>For Stainless Steel, Add</i> .....	137.72	
04 05 19 13-0118				<b>Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0002)</small>		
04 05 19 13-0119				<b>9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0118)</small>		
04 05 19 13-0120	CLF	#8		(For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	111.65	
				<i>For Hot-Dipped Galvanized, Add</i> .....	31.32	
				<i>For Stainless Steel, Add</i> .....	125.28	
04 05 19 13-0121	CLF	#10		(For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	119.00	
				<i>For Hot-Dipped Galvanized, Add</i> .....	32.28	
				<i>For Stainless Steel, Add</i> .....	129.10	
04 05 19 13-0122	CLF	#12		(For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	126.39	
				<i>For Hot-Dipped Galvanized, Add</i> .....	33.25	
				<i>For Stainless Steel, Add</i> .....	132.98	
04 05 19 13-0123	CLF	#14		(For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	136.72	
				<i>For Hot-Dipped Galvanized, Add</i> .....	34.33	
				<i>For Stainless Steel, Add</i> .....	137.30	
04 05 19 13-0124	CLF	#16		(For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	143.77	
				<i>For Hot-Dipped Galvanized, Add</i> .....	35.40	
				<i>For Stainless Steel, Add</i> .....	141.60	
04 05 19 13-0125	CLF	#18		(For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	151.41	
				<i>For Hot-Dipped Galvanized, Add</i> .....	37.05	
				<i>For Stainless Steel, Add</i> .....	148.18	
04 05 19 13-0126				<b>3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0118)</small>		
04 05 19 13-0127	CLF	#8		(For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	130.70	
				<i>For Hot-Dipped Galvanized, Add</i> .....	40.85	
				<i>For Stainless Steel, Add</i> .....	163.38	
04 05 19 13-0128	CLF	#10		(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	138.08	
				<i>For Hot-Dipped Galvanized, Add</i> .....	41.82	
				<i>For Stainless Steel, Add</i> .....	167.26	
04 05 19 13-0129	CLF	#12		(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	145.72	
				<i>For Hot-Dipped Galvanized, Add</i> .....	42.91	
				<i>For Stainless Steel, Add</i> .....	171.64	
04 05 19 13-0130	CLF	#14		(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	155.80	
				<i>For Hot-Dipped Galvanized, Add</i> .....	43.87	
				<i>For Stainless Steel, Add</i> .....	175.46	
04 05 19 13-0131	CLF	#16		(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	162.88	
				<i>For Hot-Dipped Galvanized, Add</i> .....	44.96	
				<i>For Stainless Steel, Add</i> .....	179.82	
04 05 19 13-0132	CLF	#18		(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	169.42	
				<i>For Hot-Dipped Galvanized, Add</i> .....	46.05	
				<i>For Stainless Steel, Add</i> .....	184.20	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0133			<b>3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0118)</small>		
04 05 19 13-0134	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	132.10	
			<i>For Hot-Dipped Galvanized, Add</i>	41.55	
			<i>For Stainless Steel, Add</i>	166.18	
04 05 19 13-0135	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	140.54	
			<i>For Hot-Dipped Galvanized, Add</i>	43.05	
			<i>For Stainless Steel, Add</i>	172.18	
04 05 19 13-0136	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	148.95	
			<i>For Hot-Dipped Galvanized, Add</i>	44.53	
			<i>For Stainless Steel, Add</i>	178.10	
04 05 19 13-0137	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	160.71	
			<i>For Hot-Dipped Galvanized, Add</i>	46.32	
			<i>For Stainless Steel, Add</i>	185.28	
04 05 19 13-0138	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	169.16	
			<i>For Hot-Dipped Galvanized, Add</i>	48.10	
			<i>For Stainless Steel, Add</i>	192.38	
04 05 19 13-0139	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	177.04	
			<i>For Hot-Dipped Galvanized, Add</i>	49.86	
			<i>For Stainless Steel, Add</i>	199.44	
04 05 19 13-0140			<b>Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0002)</small>		
04 05 19 13-0141			<b>9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0140)</small>		
04 05 19 13-0142	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	120.65	
			<i>For Hot-Dipped Galvanized, Add</i>	33.10	
			<i>For Stainless Steel, Add</i>	132.40	
04 05 19 13-0143	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	127.98	
			<i>For Hot-Dipped Galvanized, Add</i>	34.04	
			<i>For Stainless Steel, Add</i>	136.16	
04 05 19 13-0144	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	138.04	
			<i>For Hot-Dipped Galvanized, Add</i>	34.99	
			<i>For Stainless Steel, Add</i>	139.94	
04 05 19 13-0145	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	145.18	
			<i>For Hot-Dipped Galvanized, Add</i>	36.11	
			<i>For Stainless Steel, Add</i>	144.42	
04 05 19 13-0146	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	151.68	
			<i>For Hot-Dipped Galvanized, Add</i>	37.18	
			<i>For Stainless Steel, Add</i>	148.72	
04 05 19 13-0147	CLF	#20	(For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	159.05	
			<i>For Hot-Dipped Galvanized, Add</i>	39.35	
			<i>For Stainless Steel, Add</i>	157.40	
04 05 19 13-0148			<b>3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0140)</small>		
04 05 19 13-0149	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	139.73	
			<i>For Hot-Dipped Galvanized, Add</i>	42.64	
			<i>For Stainless Steel, Add</i>	170.56	
04 05 19 13-0150	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	147.09	
			<i>For Hot-Dipped Galvanized, Add</i>	43.60	
			<i>For Stainless Steel, Add</i>	174.38	
04 05 19 13-0151	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	157.42	
			<i>For Hot-Dipped Galvanized, Add</i>	44.68	
			<i>For Stainless Steel, Add</i>	178.70	
04 05 19 13-0152	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	164.23	
			<i>For Hot-Dipped Galvanized, Add</i>	45.63	
			<i>For Stainless Steel, Add</i>	182.52	
04 05 19 13-0153	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	170.76	
			<i>For Hot-Dipped Galvanized, Add</i>	46.72	
			<i>For Stainless Steel, Add</i>	186.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0154 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	178.38	
<i>For Hot-Dipped Galvanized, Add</i>	49.02	
<i>For Stainless Steel, Add</i>	196.06	
<b>04 05 19 13-0155 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0140)</small>		
04 05 19 13-0156 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	141.08	
<i>For Hot-Dipped Galvanized, Add</i>	43.32	
<i>For Stainless Steel, Add</i>	173.26	
04 05 19 13-0157 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	149.52	
<i>For Hot-Dipped Galvanized, Add</i>	44.81	
<i>For Stainless Steel, Add</i>	179.24	
04 05 19 13-0158 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	160.71	
<i>For Hot-Dipped Galvanized, Add</i>	46.32	
<i>For Stainless Steel, Add</i>	185.28	
04 05 19 13-0159 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	169.16	
<i>For Hot-Dipped Galvanized, Add</i>	48.10	
<i>For Stainless Steel, Add</i>	192.38	
04 05 19 13-0160 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	177.04	
<i>For Hot-Dipped Galvanized, Add</i>	49.86	
<i>For Stainless Steel, Add</i>	199.44	
04 05 19 13-0161 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	185.14	
<i>For Hot-Dipped Galvanized, Add</i>	52.40	
<i>For Stainless Steel, Add</i>	209.58	
<b>04 05 19 13-0162 Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0002)</small>		
<b>04 05 19 13-0163 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0162)</small>		
04 05 19 13-0164 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	114.37	
<i>For Hot-Dipped Galvanized, Add</i>	29.96	
<i>For Stainless Steel, Add</i>	119.84	
<i>For Seismic Hook And Eye, Add</i>	12.88	
04 05 19 13-0165 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	121.38	
<i>For Hot-Dipped Galvanized, Add</i>	30.74	
<i>For Stainless Steel, Add</i>	122.96	
<i>For Seismic Hook And Eye, Add</i>	13.22	
04 05 19 13-0166 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	131.22	
<i>For Hot-Dipped Galvanized, Add</i>	31.58	
<i>For Stainless Steel, Add</i>	126.30	
<i>For Seismic Hook And Eye, Add</i>	13.58	
04 05 19 13-0167 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	137.90	
<i>For Hot-Dipped Galvanized, Add</i>	32.47	
<i>For Stainless Steel, Add</i>	129.86	
<i>For Seismic Hook And Eye, Add</i>	13.96	
04 05 19 13-0168 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	144.11	
<i>For Hot-Dipped Galvanized, Add</i>	33.40	
<i>For Stainless Steel, Add</i>	133.58	
<i>For Seismic Hook And Eye, Add</i>	14.36	
04 05 19 13-0169 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	148.81	
<i>For Hot-Dipped Galvanized, Add</i>	34.23	
<i>For Stainless Steel, Add</i>	136.92	
<i>For Seismic Hook And Eye, Add</i>	14.72	
<b>04 05 19 13-0170 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0162)</small>		
04 05 19 13-0171 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	132.26	
<i>For Hot-Dipped Galvanized, Add</i>	38.91	
<i>For Stainless Steel, Add</i>	155.62	
<i>For Seismic Hook And Eye, Add</i>	16.73	
04 05 19 13-0172 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	138.92	
<i>For Hot-Dipped Galvanized, Add</i>	39.51	
<i>For Stainless Steel, Add</i>	158.04	
<i>For Seismic Hook And Eye, Add</i>	16.99	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0173 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	148.82	
<i>For Hot-Dipped Galvanized, Add</i>	40.38	
<i>For Stainless Steel, Add</i>	161.50	
<i>For Seismic Hook And Eye, Add</i>	17.36	
04 05 19 13-0174 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	155.39	
<i>For Hot-Dipped Galvanized, Add</i>	41.21	
<i>For Stainless Steel, Add</i>	164.84	
<i>For Seismic Hook And Eye, Add</i>	17.72	
04 05 19 13-0175 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	161.41	
<i>For Hot-Dipped Galvanized, Add</i>	42.05	
<i>For Stainless Steel, Add</i>	168.18	
<i>For Seismic Hook And Eye, Add</i>	18.08	
04 05 19 13-0176 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	168.05	
<i>For Hot-Dipped Galvanized, Add</i>	43.85	
<i>For Stainless Steel, Add</i>	175.40	
<i>For Seismic Hook And Eye, Add</i>	18.86	
<b>04 05 19 13-0177 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0162)</small>		
04 05 19 13-0178 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	133.58	
<i>For Hot-Dipped Galvanized, Add</i>	39.57	
<i>For Stainless Steel, Add</i>	158.26	
<i>For Seismic Hook And Eye, Add</i>	17.01	
04 05 19 13-0179 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	141.89	
<i>For Hot-Dipped Galvanized, Add</i>	41.00	
<i>For Stainless Steel, Add</i>	163.98	
<i>For Seismic Hook And Eye, Add</i>	17.63	
04 05 19 13-0180 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	152.89	
<i>For Hot-Dipped Galvanized, Add</i>	42.41	
<i>For Stainless Steel, Add</i>	169.64	
<i>For Seismic Hook And Eye, Add</i>	18.24	
04 05 19 13-0181 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	161.19	
<i>For Hot-Dipped Galvanized, Add</i>	44.11	
<i>For Stainless Steel, Add</i>	176.44	
<i>For Seismic Hook And Eye, Add</i>	18.97	
04 05 19 13-0182 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	168.93	
<i>For Hot-Dipped Galvanized, Add</i>	45.81	
<i>For Stainless Steel, Add</i>	183.22	
<i>For Seismic Hook And Eye, Add</i>	19.70	
04 05 19 13-0183 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	175.33	
<i>For Hot-Dipped Galvanized, Add</i>	47.49	
<i>For Stainless Steel, Add</i>	189.96	
<i>For Seismic Hook And Eye, Add</i>	20.42	
<b>04 05 19 13-0184 Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0002)</small>		
<b>04 05 19 13-0185 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0184)</small>		
04 05 19 13-0186 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	123.37	
<i>For Hot-Dipped Galvanized, Add</i>	31.74	
<i>For Stainless Steel, Add</i>	126.94	
<i>For Seismic Hook And Eye, Add</i>	13.65	
04 05 19 13-0187 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	133.08	
<i>For Hot-Dipped Galvanized, Add</i>	32.51	
<i>For Stainless Steel, Add</i>	130.02	
<i>For Seismic Hook And Eye, Add</i>	13.98	
04 05 19 13-0188 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	139.52	
<i>For Hot-Dipped Galvanized, Add</i>	33.28	
<i>For Stainless Steel, Add</i>	133.10	
<i>For Seismic Hook And Eye, Add</i>	14.31	
04 05 19 13-0189 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	145.83	
<i>For Hot-Dipped Galvanized, Add</i>	34.26	
<i>For Stainless Steel, Add</i>	137.02	
<i>For Seismic Hook And Eye, Add</i>	14.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0190 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	150.64	
<i>For Hot-Dipped Galvanized, Add</i>	35.15	
<i>For Stainless Steel, Add</i>	140.58	
<i>For Seismic Hook And Eye, Add</i>	15.11	
<b>04 05 19 13-0191 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0184)</small>		
04 05 19 13-0192 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	140.62	
<i>For Hot-Dipped Galvanized, Add</i>	40.36	
<i>For Stainless Steel, Add</i>	161.44	
<i>For Seismic Hook And Eye, Add</i>	17.35	
04 05 19 13-0193 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	150.46	
<i>For Hot-Dipped Galvanized, Add</i>	41.20	
<i>For Stainless Steel, Add</i>	164.78	
<i>For Seismic Hook And Eye, Add</i>	17.71	
04 05 19 13-0194 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	157.14	
<i>For Hot-Dipped Galvanized, Add</i>	42.09	
<i>For Stainless Steel, Add</i>	168.34	
<i>For Seismic Hook And Eye, Add</i>	18.10	
04 05 19 13-0195 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	162.92	
<i>For Hot-Dipped Galvanized, Add</i>	42.80	
<i>For Stainless Steel, Add</i>	171.20	
<i>For Seismic Hook And Eye, Add</i>	18.40	
04 05 19 13-0196 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	167.89	
<i>For Hot-Dipped Galvanized, Add</i>	43.77	
<i>For Stainless Steel, Add</i>	175.08	
<i>For Seismic Hook And Eye, Add</i>	18.82	
<b>04 05 19 13-0197 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0184)</small>		
04 05 19 13-0198 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	142.40	
<i>For Hot-Dipped Galvanized, Add</i>	41.25	
<i>For Stainless Steel, Add</i>	165.00	
<i>For Seismic Hook And Eye, Add</i>	17.74	
04 05 19 13-0199 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	153.43	
<i>For Hot-Dipped Galvanized, Add</i>	42.68	
<i>For Stainless Steel, Add</i>	170.72	
<i>For Seismic Hook And Eye, Add</i>	18.35	
04 05 19 13-0200 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	161.19	
<i>For Hot-Dipped Galvanized, Add</i>	44.11	
<i>For Stainless Steel, Add</i>	176.44	
<i>For Seismic Hook And Eye, Add</i>	18.97	
04 05 19 13-0201 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	168.93	
<i>For Hot-Dipped Galvanized, Add</i>	45.81	
<i>For Stainless Steel, Add</i>	183.22	
<i>For Seismic Hook And Eye, Add</i>	19.70	
04 05 19 13-0202 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	175.33	
<i>For Hot-Dipped Galvanized, Add</i>	47.49	
<i>For Stainless Steel, Add</i>	189.96	
<i>For Seismic Hook And Eye, Add</i>	20.42	
04 05 19 13-0203 Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0001)</small>		
04 05 19 13-0204 Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0205 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0206 CLF #4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	62.71	
<i>For Hot-Dipped Galvanized, Add</i>	12.48	
<i>For Stainless Steel, Add</i>	49.92	
04 05 19 13-0207 CLF #6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	65.56	
<i>For Hot-Dipped Galvanized, Add</i>	12.62	
<i>For Stainless Steel, Add</i>	50.46	
04 05 19 13-0208 CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	70.22	
<i>For Hot-Dipped Galvanized, Add</i>	13.11	
<i>For Stainless Steel, Add</i>	52.44	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0209	CLF	#10	(For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	75.92	
			<i>For Hot-Dipped Galvanized, Add</i>	13.76	
			<i>For Stainless Steel, Add</i>	55.04	
04 05 19 13-0210	CLF	#12	(For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	82.75	
			<i>For Hot-Dipped Galvanized, Add</i>	14.49	
			<i>For Stainless Steel, Add</i>	57.94	
04 05 19 13-0211	CLF	#13	(For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	87.84	
			<i>For Hot-Dipped Galvanized, Add</i>	14.88	
			<i>For Stainless Steel, Add</i>	59.52	
04 05 19 13-0212	CLF	#14	(For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	91.39	
			<i>For Hot-Dipped Galvanized, Add</i>	15.45	
			<i>For Stainless Steel, Add</i>	61.78	
04 05 19 13-0213	CLF	#16	(For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	108.24	
			<i>For Hot-Dipped Galvanized, Add</i>	21.70	
			<i>For Stainless Steel, Add</i>	86.78	
04 05 19 13-0214	CLF	#18	(For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	114.58	
			<i>For Hot-Dipped Galvanized, Add</i>	22.94	
			<i>For Stainless Steel, Add</i>	91.74	
04 05 19 13-0215	CLF	#20	(For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	152.92	
			<i>For Hot-Dipped Galvanized, Add</i>	39.68	
			<i>For Stainless Steel, Add</i>	158.70	
04 05 19 13-0216			<b>Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0217	CLF	#4	(For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	72.36	
			<i>For Hot-Dipped Galvanized, Add</i>	17.31	
			<i>For Stainless Steel, Add</i>	69.22	
04 05 19 13-0218	CLF	#6	(For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	75.42	
			<i>For Hot-Dipped Galvanized, Add</i>	17.55	
			<i>For Stainless Steel, Add</i>	70.18	
04 05 19 13-0219	CLF	#8	(For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	80.09	
			<i>For Hot-Dipped Galvanized, Add</i>	18.05	
			<i>For Stainless Steel, Add</i>	72.18	
04 05 19 13-0220	CLF	#10	(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	85.76	
			<i>For Hot-Dipped Galvanized, Add</i>	18.68	
			<i>For Stainless Steel, Add</i>	74.72	
04 05 19 13-0221	CLF	#12	(For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	92.46	
			<i>For Hot-Dipped Galvanized, Add</i>	19.34	
			<i>For Stainless Steel, Add</i>	77.36	
04 05 19 13-0222	CLF	#13	(For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	97.65	
			<i>For Hot-Dipped Galvanized, Add</i>	19.80	
			<i>For Stainless Steel, Add</i>	79.18	
04 05 19 13-0223	CLF	#14	(For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	101.06	
			<i>For Hot-Dipped Galvanized, Add</i>	20.28	
			<i>For Stainless Steel, Add</i>	81.12	
04 05 19 13-0224	CLF	#16	(For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	121.23	
			<i>For Hot-Dipped Galvanized, Add</i>	28.19	
			<i>For Stainless Steel, Add</i>	112.76	
04 05 19 13-0225	CLF	#18	(For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	127.57	
			<i>For Hot-Dipped Galvanized, Add</i>	29.43	
			<i>For Stainless Steel, Add</i>	117.72	
04 05 19 13-0226	CLF	#20	(For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	179.92	
			<i>For Hot-Dipped Galvanized, Add</i>	55.61	
			<i>For Stainless Steel, Add</i>	222.42	
04 05 19 13-0227			<b>Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0228	CLF	#4	(For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	87.13	
			<i>For Hot-Dipped Galvanized, Add</i>	24.69	
			<i>For Stainless Steel, Add</i>	98.76	
04 05 19 13-0229	CLF	#6	(For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	90.66	
			<i>For Hot-Dipped Galvanized, Add</i>	25.00	
			<i>For Stainless Steel, Add</i>	100.00	
04 05 19 13-0230	CLF	#8	(For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	95.39	
			<i>For Hot-Dipped Galvanized, Add</i>	25.92	
			<i>For Stainless Steel, Add</i>	103.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0231 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	102.74	
<i>For Hot-Dipped Galvanized, Add</i>	27.17	
<i>For Stainless Steel, Add</i>	108.68	
04 05 19 13-0232 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	110.71	
<i>For Hot-Dipped Galvanized, Add</i>	28.73	
<i>For Stainless Steel, Add</i>	114.92	
04 05 19 13-0233 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	116.97	
<i>For Hot-Dipped Galvanized, Add</i>	29.45	
<i>For Stainless Steel, Add</i>	117.78	
04 05 19 13-0234 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	121.52	
<i>For Hot-Dipped Galvanized, Add</i>	30.51	
<i>For Stainless Steel, Add</i>	122.04	
04 05 19 13-0235 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	150.51	
<i>For Hot-Dipped Galvanized, Add</i>	42.83	
<i>For Stainless Steel, Add</i>	171.30	
04 05 19 13-0236 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	159.24	
<i>For Hot-Dipped Galvanized, Add</i>	45.26	
<i>For Stainless Steel, Add</i>	181.02	
04 05 19 13-0237 CLF #20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	230.06	
<i>For Hot-Dipped Galvanized, Add</i>	78.25	
<i>For Stainless Steel, Add</i>	312.98	
<b>04 05 19 13-0238 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0239 CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	77.82	
<i>For Hot-Dipped Galvanized, Add</i>	20.04	
<i>For Stainless Steel, Add</i>	80.14	
04 05 19 13-0240 CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	81.27	
<i>For Hot-Dipped Galvanized, Add</i>	20.47	
<i>For Stainless Steel, Add</i>	81.88	
04 05 19 13-0241 CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	85.94	
<i>For Hot-Dipped Galvanized, Add</i>	20.97	
<i>For Stainless Steel, Add</i>	83.88	
04 05 19 13-0242 CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	91.47	
<i>For Hot-Dipped Galvanized, Add</i>	21.54	
<i>For Stainless Steel, Add</i>	86.14	
04 05 19 13-0243 CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	97.97	
<i>For Hot-Dipped Galvanized, Add</i>	22.09	
<i>For Stainless Steel, Add</i>	88.36	
04 05 19 13-0244 CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	102.80	
<i>For Hot-Dipped Galvanized, Add</i>	22.36	
<i>For Stainless Steel, Add</i>	89.44	
04 05 19 13-0245 CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	106.30	
<i>For Hot-Dipped Galvanized, Add</i>	22.67	
<i>For Stainless Steel, Add</i>	90.66	
04 05 19 13-0246 CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	118.76	
<i>For Hot-Dipped Galvanized, Add</i>	26.95	
<i>For Stainless Steel, Add</i>	107.80	
<b>04 05 19 13-0247 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0248 CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	87.57	
<i>For Hot-Dipped Galvanized, Add</i>	24.91	
<i>For Stainless Steel, Add</i>	99.64	
04 05 19 13-0249 CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	91.15	
<i>For Hot-Dipped Galvanized, Add</i>	25.41	
<i>For Stainless Steel, Add</i>	101.64	
04 05 19 13-0250 CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	95.93	
<i>For Hot-Dipped Galvanized, Add</i>	25.97	
<i>For Stainless Steel, Add</i>	103.86	
04 05 19 13-0251 CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	101.36	
<i>For Hot-Dipped Galvanized, Add</i>	26.48	
<i>For Stainless Steel, Add</i>	105.92	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0252	CLF	#12	(For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	107.82	
			<i>For Hot-Dipped Galvanized, Add</i> .....	27.02	
			<i>For Stainless Steel, Add</i> .....	108.06	
04 05 19 13-0253	CLF	#13	(For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	112.68	
			<i>For Hot-Dipped Galvanized, Add</i> .....	27.31	
			<i>For Stainless Steel, Add</i> .....	109.24	
04 05 19 13-0254	CLF	#14	(For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	116.14	
			<i>For Hot-Dipped Galvanized, Add</i> .....	27.58	
			<i>For Stainless Steel, Add</i> .....	110.32	
04 05 19 13-0255	CLF	#16	(For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	131.74	
			<i>For Hot-Dipped Galvanized, Add</i> .....	33.45	
			<i>For Stainless Steel, Add</i> .....	133.78	
04 05 19 13-0256	CLF	#18	(For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	162.07	
			<i>For Hot-Dipped Galvanized, Add</i> .....	46.68	
			<i>For Stainless Steel, Add</i> .....	186.72	
<b>04 05 19 13-0257</b>			<b>Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0258	CLF	#4	(For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	97.02	
			<i>For Hot-Dipped Galvanized, Add</i> .....	29.64	
			<i>For Stainless Steel, Add</i> .....	118.54	
04 05 19 13-0259	CLF	#6	(For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	101.96	
			<i>For Hot-Dipped Galvanized, Add</i> .....	30.65	
			<i>For Stainless Steel, Add</i> .....	122.60	
04 05 19 13-0260	CLF	#8	(For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	106.89	
			<i>For Hot-Dipped Galvanized, Add</i> .....	31.67	
			<i>For Stainless Steel, Add</i> .....	126.66	
04 05 19 13-0261	CLF	#10	(For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	114.14	
			<i>For Hot-Dipped Galvanized, Add</i> .....	32.87	
			<i>For Stainless Steel, Add</i> .....	131.48	
04 05 19 13-0262	CLF	#12	(For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	121.40	
			<i>For Hot-Dipped Galvanized, Add</i> .....	34.08	
			<i>For Stainless Steel, Add</i> .....	136.30	
04 05 19 13-0263	CLF	#13	(For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	127.51	
			<i>For Hot-Dipped Galvanized, Add</i> .....	34.72	
			<i>For Stainless Steel, Add</i> .....	138.86	
04 05 19 13-0264	CLF	#14	(For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	131.04	
			<i>For Hot-Dipped Galvanized, Add</i> .....	35.27	
			<i>For Stainless Steel, Add</i> .....	141.08	
04 05 19 13-0265	CLF	#16	(For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	137.61	
			<i>For Hot-Dipped Galvanized, Add</i> .....	36.38	
			<i>For Stainless Steel, Add</i> .....	145.50	
04 05 19 13-0266	CLF	#18	(For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	174.74	
			<i>For Hot-Dipped Galvanized, Add</i> .....	53.01	
			<i>For Stainless Steel, Add</i> .....	212.02	
<b>04 05 19 13-0267</b>			<b>Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0268	CLF	#4	(For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	100.28	
			<i>For Hot-Dipped Galvanized, Add</i> .....	31.27	
			<i>For Stainless Steel, Add</i> .....	125.06	
04 05 19 13-0269	CLF	#6	(For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	103.73	
			<i>For Hot-Dipped Galvanized, Add</i> .....	31.70	
			<i>For Stainless Steel, Add</i> .....	126.80	
04 05 19 13-0270	CLF	#8	(For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	108.40	
			<i>For Hot-Dipped Galvanized, Add</i> .....	32.20	
			<i>For Stainless Steel, Add</i> .....	128.80	
04 05 19 13-0271	CLF	#10	(For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	113.93	
			<i>For Hot-Dipped Galvanized, Add</i> .....	32.77	
			<i>For Stainless Steel, Add</i> .....	131.06	
04 05 19 13-0272	CLF	#12	(For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	120.43	
			<i>For Hot-Dipped Galvanized, Add</i> .....	33.32	
			<i>For Stainless Steel, Add</i> .....	133.28	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0273 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	125.26	
<i>For Hot-Dipped Galvanized, Add</i>	33.59	
<i>For Stainless Steel, Add</i>	134.36	
04 05 19 13-0274 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	128.76	
<i>For Hot-Dipped Galvanized, Add</i>	33.90	
<i>For Stainless Steel, Add</i>	135.58	
04 05 19 13-0275 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	141.23	
<i>For Hot-Dipped Galvanized, Add</i>	38.19	
<i>For Stainless Steel, Add</i>	152.74	
04 05 19 13-0276 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	162.26	
<i>For Hot-Dipped Galvanized, Add</i>	46.77	
<i>For Stainless Steel, Add</i>	187.08	
<b>04 05 19 13-0277 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0278 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	110.03	
<i>For Hot-Dipped Galvanized, Add</i>	36.14	
<i>For Stainless Steel, Add</i>	144.56	
04 05 19 13-0279 CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	113.61	
<i>For Hot-Dipped Galvanized, Add</i>	36.64	
<i>For Stainless Steel, Add</i>	146.56	
04 05 19 13-0280 CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	118.39	
<i>For Hot-Dipped Galvanized, Add</i>	37.20	
<i>For Stainless Steel, Add</i>	148.78	
04 05 19 13-0281 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	123.82	
<i>For Hot-Dipped Galvanized, Add</i>	37.71	
<i>For Stainless Steel, Add</i>	150.84	
04 05 19 13-0282 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	130.28	
<i>For Hot-Dipped Galvanized, Add</i>	38.25	
<i>For Stainless Steel, Add</i>	152.98	
04 05 19 13-0283 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	135.14	
<i>For Hot-Dipped Galvanized, Add</i>	38.54	
<i>For Stainless Steel, Add</i>	154.16	
04 05 19 13-0284 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	138.60	
<i>For Hot-Dipped Galvanized, Add</i>	38.81	
<i>For Stainless Steel, Add</i>	155.24	
04 05 19 13-0285 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	154.20	
<i>For Hot-Dipped Galvanized, Add</i>	44.68	
<i>For Stainless Steel, Add</i>	178.70	
04 05 19 13-0286 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	184.53	
<i>For Hot-Dipped Galvanized, Add</i>	57.91	
<i>For Stainless Steel, Add</i>	231.64	
<b>04 05 19 13-0287 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0288 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	119.48	
<i>For Hot-Dipped Galvanized, Add</i>	40.87	
<i>For Stainless Steel, Add</i>	163.46	
04 05 19 13-0289 CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	124.42	
<i>For Hot-Dipped Galvanized, Add</i>	41.88	
<i>For Stainless Steel, Add</i>	167.52	
04 05 19 13-0290 CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	129.35	
<i>For Hot-Dipped Galvanized, Add</i>	42.90	
<i>For Stainless Steel, Add</i>	171.58	
04 05 19 13-0291 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	136.60	
<i>For Hot-Dipped Galvanized, Add</i>	44.10	
<i>For Stainless Steel, Add</i>	176.40	
04 05 19 13-0292 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	143.86	
<i>For Hot-Dipped Galvanized, Add</i>	45.31	
<i>For Stainless Steel, Add</i>	181.22	
04 05 19 13-0293 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	149.98	
<i>For Hot-Dipped Galvanized, Add</i>	45.95	
<i>For Stainless Steel, Add</i>	183.80	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0294	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	153.50	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	46.50	
		<i>For Stainless Steel, Add</i>	.....	186.00	
04 05 19 13-0295	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	160.07	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	47.61	
		<i>For Stainless Steel, Add</i>	.....	190.42	
04 05 19 13-0296	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	197.20	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	64.24	
		<i>For Stainless Steel, Add</i>	.....	256.94	
04 05 19 13-0297		<b>Truss-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0203)</small>			
04 05 19 13-0298		<b>9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0297)</small>			
04 05 19 13-0299	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	88.12	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	19.56	
		<i>For Stainless Steel, Add</i>	.....	78.22	
04 05 19 13-0300	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	95.44	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	20.50	
		<i>For Stainless Steel, Add</i>	.....	81.98	
04 05 19 13-0301	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	103.29	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	21.70	
		<i>For Stainless Steel, Add</i>	.....	86.78	
04 05 19 13-0302	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	110.38	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	22.52	
		<i>For Stainless Steel, Add</i>	.....	90.08	
04 05 19 13-0303	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	114.48	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	23.21	
		<i>For Stainless Steel, Add</i>	.....	92.82	
04 05 19 13-0304	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	122.70	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	24.87	
		<i>For Stainless Steel, Add</i>	.....	99.46	
04 05 19 13-0305	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	130.36	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	26.52	
		<i>For Stainless Steel, Add</i>	.....	106.08	
04 05 19 13-0306		<b>3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0297)</small>			
04 05 19 13-0307	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	100.30	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	25.65	
		<i>For Stainless Steel, Add</i>	.....	102.58	
04 05 19 13-0308	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	107.65	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	26.60	
		<i>For Stainless Steel, Add</i>	.....	106.40	
04 05 19 13-0309	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	115.45	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	27.78	
		<i>For Stainless Steel, Add</i>	.....	111.10	
04 05 19 13-0310	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	122.56	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	28.61	
		<i>For Stainless Steel, Add</i>	.....	114.44	
04 05 19 13-0311	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	126.58	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	29.26	
		<i>For Stainless Steel, Add</i>	.....	117.02	
04 05 19 13-0312	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	134.83	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	30.93	
		<i>For Stainless Steel, Add</i>	.....	123.72	
04 05 19 13-0313	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	142.54	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	32.61	
		<i>For Stainless Steel, Add</i>	.....	130.44	
04 05 19 13-0314		<b>3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0297)</small>			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0315 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	111.59	
<i>For Hot-Dipped Galvanized, Add</i>	31.29	
<i>For Stainless Steel, Add</i>	125.16	
04 05 19 13-0316 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	120.00	
<i>For Hot-Dipped Galvanized, Add</i>	32.78	
<i>For Stainless Steel, Add</i>	131.10	
04 05 19 13-0317 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	129.52	
<i>For Hot-Dipped Galvanized, Add</i>	34.81	
<i>For Stainless Steel, Add</i>	139.24	
04 05 19 13-0318 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	137.17	
<i>For Hot-Dipped Galvanized, Add</i>	35.92	
<i>For Stainless Steel, Add</i>	143.66	
04 05 19 13-0319 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	142.11	
<i>For Hot-Dipped Galvanized, Add</i>	37.02	
<i>For Stainless Steel, Add</i>	148.08	
04 05 19 13-0320 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	151.99	
<i>For Hot-Dipped Galvanized, Add</i>	39.51	
<i>For Stainless Steel, Add</i>	158.04	
04 05 19 13-0321 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	160.47	
<i>For Hot-Dipped Galvanized, Add</i>	41.58	
<i>For Stainless Steel, Add</i>	166.30	
<b>04 05 19 13-0322 Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0203)</small>		
<b>04 05 19 13-0323 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0322)</small>		
04 05 19 13-0324 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	126.09	
<i>For Hot-Dipped Galvanized, Add</i>	38.54	
<i>For Stainless Steel, Add</i>	154.16	
04 05 19 13-0325 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	132.07	
<i>For Hot-Dipped Galvanized, Add</i>	38.81	
<i>For Stainless Steel, Add</i>	155.24	
04 05 19 13-0326 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	139.41	
<i>For Hot-Dipped Galvanized, Add</i>	39.76	
<i>For Stainless Steel, Add</i>	159.02	
04 05 19 13-0327 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	150.09	
<i>For Hot-Dipped Galvanized, Add</i>	41.01	
<i>For Stainless Steel, Add</i>	164.04	
04 05 19 13-0328 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	157.95	
<i>For Hot-Dipped Galvanized, Add</i>	42.49	
<i>For Stainless Steel, Add</i>	169.96	
04 05 19 13-0329 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	165.91	
<i>For Hot-Dipped Galvanized, Add</i>	44.30	
<i>For Stainless Steel, Add</i>	177.18	
<b>04 05 19 13-0330 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0322)</small>		
04 05 19 13-0331 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	144.93	
<i>For Hot-Dipped Galvanized, Add</i>	47.96	
<i>For Stainless Steel, Add</i>	191.84	
04 05 19 13-0332 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	151.18	
<i>For Hot-Dipped Galvanized, Add</i>	48.37	
<i>For Stainless Steel, Add</i>	193.46	
04 05 19 13-0333 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	158.52	
<i>For Hot-Dipped Galvanized, Add</i>	49.31	
<i>For Stainless Steel, Add</i>	197.24	
04 05 19 13-0334 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	169.14	
<i>For Hot-Dipped Galvanized, Add</i>	50.54	
<i>For Stainless Steel, Add</i>	202.14	
04 05 19 13-0335 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	176.76	
<i>For Hot-Dipped Galvanized, Add</i>	51.90	
<i>For Stainless Steel, Add</i>	207.58	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0336	CLF		#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	183.86	
			<i>For Hot-Dipped Galvanized, Add</i>	53.27	
			<i>For Stainless Steel, Add</i>	213.08	
<b>04 05 19 13-0337</b>			<b>3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0322)</small>		
04 05 19 13-0338	CLF		#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	155.26	
			<i>For Hot-Dipped Galvanized, Add</i>	53.13	
			<i>For Stainless Steel, Add</i>	212.50	
04 05 19 13-0339	CLF		#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	161.51	
			<i>For Hot-Dipped Galvanized, Add</i>	53.53	
			<i>For Stainless Steel, Add</i>	214.12	
04 05 19 13-0340	CLF		#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	169.92	
			<i>For Hot-Dipped Galvanized, Add</i>	55.01	
			<i>For Stainless Steel, Add</i>	220.04	
04 05 19 13-0341	CLF		#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	181.97	
			<i>For Hot-Dipped Galvanized, Add</i>	56.95	
			<i>For Stainless Steel, Add</i>	227.80	
04 05 19 13-0342	CLF		#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	191.78	
			<i>For Hot-Dipped Galvanized, Add</i>	59.41	
			<i>For Stainless Steel, Add</i>	237.62	
04 05 19 13-0343	CLF		#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	201.57	
			<i>For Hot-Dipped Galvanized, Add</i>	62.13	
			<i>For Stainless Steel, Add</i>	248.50	
<b>04 05 19 13-0344</b>			<b>Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0203)</small>		
<b>04 05 19 13-0345</b>			<b>9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0344)</small>		
04 05 19 13-0346	CLF		#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	135.12	
			<i>For Hot-Dipped Galvanized, Add</i>	40.34	
			<i>For Stainless Steel, Add</i>	161.34	
04 05 19 13-0347	CLF		#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	141.13	
			<i>For Hot-Dipped Galvanized, Add</i>	40.62	
			<i>For Stainless Steel, Add</i>	162.46	
04 05 19 13-0348	CLF		#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	151.14	
			<i>For Hot-Dipped Galvanized, Add</i>	41.54	
			<i>For Stainless Steel, Add</i>	166.14	
04 05 19 13-0349	CLF		#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	158.52	
			<i>For Hot-Dipped Galvanized, Add</i>	42.78	
			<i>For Stainless Steel, Add</i>	171.10	
04 05 19 13-0350	CLF		#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	165.89	
			<i>For Hot-Dipped Galvanized, Add</i>	44.29	
			<i>For Stainless Steel, Add</i>	177.14	
04 05 19 13-0351	CLF		#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	171.99	
			<i>For Hot-Dipped Galvanized, Add</i>	45.82	
			<i>For Stainless Steel, Add</i>	183.28	
<b>04 05 19 13-0352</b>			<b>3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0344)</small>		
04 05 19 13-0353	CLF		#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	153.90	
			<i>For Hot-Dipped Galvanized, Add</i>	49.73	
			<i>For Stainless Steel, Add</i>	198.90	
04 05 19 13-0354	CLF		#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	160.16	
			<i>For Hot-Dipped Galvanized, Add</i>	50.13	
			<i>For Stainless Steel, Add</i>	200.52	
04 05 19 13-0355	CLF		#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	170.22	
			<i>For Hot-Dipped Galvanized, Add</i>	51.08	
			<i>For Stainless Steel, Add</i>	204.30	
04 05 19 13-0356	CLF		#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	177.60	
			<i>For Hot-Dipped Galvanized, Add</i>	52.32	
			<i>For Stainless Steel, Add</i>	209.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0357 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	184.67	
<i>For Hot-Dipped Galvanized, Add</i>	53.68	
<i>For Stainless Steel, Add</i>	214.70	
04 05 19 13-0358 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	190.94	
<i>For Hot-Dipped Galvanized, Add</i>	55.30	
<i>For Stainless Steel, Add</i>	221.18	
<b>04 05 19 13-0359 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0344)</small>		
04 05 19 13-0360 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	164.25	
<i>For Hot-Dipped Galvanized, Add</i>	54.90	
<i>For Stainless Steel, Add</i>	219.60	
04 05 19 13-0361 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	170.49	
<i>For Hot-Dipped Galvanized, Add</i>	55.30	
<i>For Stainless Steel, Add</i>	221.18	
04 05 19 13-0362 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	181.67	
<i>For Hot-Dipped Galvanized, Add</i>	56.80	
<i>For Stainless Steel, Add</i>	227.20	
04 05 19 13-0363 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	190.43	
<i>For Hot-Dipped Galvanized, Add</i>	58.73	
<i>For Stainless Steel, Add</i>	234.92	
04 05 19 13-0364 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	199.66	
<i>For Hot-Dipped Galvanized, Add</i>	61.17	
<i>For Stainless Steel, Add</i>	244.68	
04 05 19 13-0365 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	206.41	
<i>For Hot-Dipped Galvanized, Add</i>	63.03	
<i>For Stainless Steel, Add</i>	252.12	
<b>04 05 19 13-0366 Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0203)</small>		
<b>04 05 19 13-0367 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0366)</small>		
04 05 19 13-0368 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	127.87	
<i>For Hot-Dipped Galvanized, Add</i>	36.71	
<i>For Stainless Steel, Add</i>	146.84	
<i>For Seismic Hook And Eye, Add</i>	15.79	
04 05 19 13-0369 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	133.83	
<i>For Hot-Dipped Galvanized, Add</i>	36.97	
<i>For Stainless Steel, Add</i>	147.86	
<i>For Seismic Hook And Eye, Add</i>	15.89	
04 05 19 13-0370 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	143.59	
<i>For Hot-Dipped Galvanized, Add</i>	37.76	
<i>For Stainless Steel, Add</i>	151.04	
<i>For Seismic Hook And Eye, Add</i>	16.24	
04 05 19 13-0371 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	150.78	
<i>For Hot-Dipped Galvanized, Add</i>	38.91	
<i>For Stainless Steel, Add</i>	155.62	
<i>For Seismic Hook And Eye, Add</i>	16.73	
04 05 19 13-0372 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	157.50	
<i>For Hot-Dipped Galvanized, Add</i>	40.09	
<i>For Stainless Steel, Add</i>	160.36	
<i>For Seismic Hook And Eye, Add</i>	17.24	
04 05 19 13-0373 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	163.44	
<i>For Hot-Dipped Galvanized, Add</i>	41.55	
<i>For Stainless Steel, Add</i>	166.18	
<i>For Seismic Hook And Eye, Add</i>	17.86	
<b>04 05 19 13-0374 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0366)</small>		
04 05 19 13-0375 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	145.17	
<i>For Hot-Dipped Galvanized, Add</i>	45.36	
<i>For Stainless Steel, Add</i>	181.44	
<i>For Seismic Hook And Eye, Add</i>	19.50	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0376	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	151.32	
			<i>For Hot-Dipped Galvanized, Add</i>	45.71	
			<i>For Stainless Steel, Add</i>	182.84	
			<i>For Seismic Hook And Eye, Add</i>	19.66	
04 05 19 13-0377	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	160.95	
			<i>For Hot-Dipped Galvanized, Add</i>	46.44	
			<i>For Stainless Steel, Add</i>	185.76	
			<i>For Seismic Hook And Eye, Add</i>	19.97	
04 05 19 13-0378	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	168.03	
			<i>For Hot-Dipped Galvanized, Add</i>	47.53	
			<i>For Stainless Steel, Add</i>	190.12	
			<i>For Seismic Hook And Eye, Add</i>	20.44	
04 05 19 13-0379	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	174.73	
			<i>For Hot-Dipped Galvanized, Add</i>	48.71	
			<i>For Stainless Steel, Add</i>	194.82	
			<i>For Seismic Hook And Eye, Add</i>	20.94	
04 05 19 13-0380	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	180.34	
			<i>For Hot-Dipped Galvanized, Add</i>	50.00	
			<i>For Stainless Steel, Add</i>	199.98	
			<i>For Seismic Hook And Eye, Add</i>	21.50	
<b>04 05 19 13-0381</b>			<b>3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0386)</small>		
04 05 19 13-0382	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	155.63	
			<i>For Hot-Dipped Galvanized, Add</i>	50.59	
			<i>For Stainless Steel, Add</i>	202.36	
			<i>For Seismic Hook And Eye, Add</i>	21.75	
04 05 19 13-0383	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	161.86	
			<i>For Hot-Dipped Galvanized, Add</i>	50.98	
			<i>For Stainless Steel, Add</i>	203.92	
			<i>For Seismic Hook And Eye, Add</i>	21.92	
04 05 19 13-0384	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	172.86	
			<i>For Hot-Dipped Galvanized, Add</i>	52.40	
			<i>For Stainless Steel, Add</i>	209.58	
			<i>For Seismic Hook And Eye, Add</i>	22.53	
04 05 19 13-0385	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	181.45	
			<i>For Hot-Dipped Galvanized, Add</i>	54.24	
			<i>For Stainless Steel, Add</i>	216.96	
			<i>For Seismic Hook And Eye, Add</i>	23.32	
04 05 19 13-0386	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	190.47	
			<i>For Hot-Dipped Galvanized, Add</i>	56.58	
			<i>For Stainless Steel, Add</i>	226.30	
			<i>For Seismic Hook And Eye, Add</i>	24.33	
04 05 19 13-0387	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	198.67	
			<i>For Hot-Dipped Galvanized, Add</i>	59.16	
			<i>For Stainless Steel, Add</i>	236.64	
			<i>For Seismic Hook And Eye, Add</i>	25.44	
<b>04 05 19 13-0388</b>			<b>Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0203)</small>		
<b>04 05 19 13-0389</b>			<b>9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall</b> <small>(04 05 19 13-0388)</small>		
04 05 19 13-0390	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	136.77	
			<i>For Hot-Dipped Galvanized, Add</i>	38.44	
			<i>For Stainless Steel, Add</i>	153.74	
			<i>For Seismic Hook And Eye, Add</i>	16.53	
04 05 19 13-0391	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	145.48	
			<i>For Hot-Dipped Galvanized, Add</i>	38.71	
			<i>For Stainless Steel, Add</i>	154.82	
			<i>For Seismic Hook And Eye, Add</i>	16.64	
04 05 19 13-0392	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	152.08	
			<i>For Hot-Dipped Galvanized, Add</i>	39.56	
			<i>For Stainless Steel, Add</i>	158.22	
			<i>For Seismic Hook And Eye, Add</i>	17.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0393 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	158.85	
<i>For Hot-Dipped Galvanized, Add</i>	40.77	
<i>For Stainless Steel, Add</i>	163.06	
<i>For Seismic Hook And Eye, Add</i>	17.53	
04 05 19 13-0394 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	164.68	
<i>For Hot-Dipped Galvanized, Add</i>	42.17	
<i>For Stainless Steel, Add</i>	168.66	
<i>For Seismic Hook And Eye, Add</i>	18.13	
<b>04 05 19 13-0395 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0388)</small>		
04 05 19 13-0396 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	155.42	
<i>For Hot-Dipped Galvanized, Add</i>	47.76	
<i>For Stainless Steel, Add</i>	191.04	
<i>For Seismic Hook And Eye, Add</i>	20.54	
04 05 19 13-0397 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	164.18	
<i>For Hot-Dipped Galvanized, Add</i>	48.06	
<i>For Stainless Steel, Add</i>	192.22	
<i>For Seismic Hook And Eye, Add</i>	20.66	
04 05 19 13-0398 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	170.73	
<i>For Hot-Dipped Galvanized, Add</i>	48.88	
<i>For Stainless Steel, Add</i>	195.52	
<i>For Seismic Hook And Eye, Add</i>	21.02	
04 05 19 13-0399 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	177.29	
<i>For Hot-Dipped Galvanized, Add</i>	49.99	
<i>For Stainless Steel, Add</i>	199.94	
<i>For Seismic Hook And Eye, Add</i>	21.49	
04 05 19 13-0400 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	182.58	
<i>For Hot-Dipped Galvanized, Add</i>	51.12	
<i>For Stainless Steel, Add</i>	204.46	
<i>For Seismic Hook And Eye, Add</i>	21.98	
<b>04 05 19 13-0401 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0388)</small>		
04 05 19 13-0402 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	164.48	
<i>For Hot-Dipped Galvanized, Add</i>	52.29	
<i>For Stainless Steel, Add</i>	209.16	
<i>For Seismic Hook And Eye, Add</i>	22.48	
04 05 19 13-0403 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	173.40	
<i>For Hot-Dipped Galvanized, Add</i>	52.67	
<i>For Stainless Steel, Add</i>	210.66	
<i>For Seismic Hook And Eye, Add</i>	22.65	
04 05 19 13-0404 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	181.16	
<i>For Hot-Dipped Galvanized, Add</i>	54.10	
<i>For Stainless Steel, Add</i>	216.38	
<i>For Seismic Hook And Eye, Add</i>	23.26	
04 05 19 13-0405 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	189.17	
<i>For Hot-Dipped Galvanized, Add</i>	55.93	
<i>For Stainless Steel, Add</i>	223.70	
<i>For Seismic Hook And Eye, Add</i>	24.05	
04 05 19 13-0406 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	196.87	
<i>For Hot-Dipped Galvanized, Add</i>	58.26	
<i>For Stainless Steel, Add</i>	233.04	
<i>For Seismic Hook And Eye, Add</i>	25.05	
<b>04 05 19 16 Masonry Anchors</b> <small>(04 05 19)</small>		
04 05 19 16-0001 Rectangular, Wire Masonry Wall Ties <small>(04 05 19 16)</small>		
04 05 19 16-0002 Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties <small>(04 05 19 16-0001)</small>		
04 05 19 16-0003 EA 2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.16	
04 05 19 16-0004 EA 2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.22	
04 05 19 16-0005 EA 2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.27	
04 05 19 16-0006 EA 2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.34	
04 05 19 16-0007 EA 2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.40	
04 05 19 16-0008 EA 4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.27	
04 05 19 16-0009 EA 4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.34	
04 05 19 16-0010 EA 4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.40	
04 05 19 16-0011 EA 4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.47	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>04 05 19 16-0012</b>	<b>Mill Galvanized, Rectangular, Wire Masonry Wall Ties</b> <small>(04 05 19 16-0001)</small>	
04 05 19 16-0013	EA 2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.07
04 05 19 16-0014	EA 2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.09
04 05 19 16-0015	EA 2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.11
04 05 19 16-0016	EA 2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.15
04 05 19 16-0017	EA 2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.19
04 05 19 16-0018	EA 4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.11
04 05 19 16-0019	EA 4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.15
04 05 19 16-0020	EA 4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.19
04 05 19 16-0021	EA 4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.22
<b>04 05 19 16-0022</b>	<b>Z-Type, Wire Masonry Wall Ties</b> <small>(04 05 19 16)</small>	
<b>04 05 19 16-0023</b>	<b>Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties</b> <small>(04 05 19 16-0022)</small>	
04 05 19 16-0024	EA 6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.07
04 05 19 16-0025	EA 8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.10
04 05 19 16-0026	EA 10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.20
04 05 19 16-0027	EA 12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.24
04 05 19 16-0028	EA 6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.25
04 05 19 16-0029	EA 8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.31
04 05 19 16-0030	EA 10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.39
04 05 19 16-0031	EA 12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.43
<b>04 05 19 16-0032</b>	<b>Mill Galvanized, Z-Type, Wire Masonry Wall Ties</b> <small>(04 05 19 16-0022)</small>	
04 05 19 16-0033	EA 6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.00
04 05 19 16-0034	EA 8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.01
04 05 19 16-0035	EA 10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.08
04 05 19 16-0036	EA 12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.10
04 05 19 16-0037	EA 6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.11
04 05 19 16-0038	EA 8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.15
04 05 19 16-0039	EA 10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.19
04 05 19 16-0040	EA 12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.23
<b>04 05 19 16-0041</b>	<b>Wire Beam Ties</b> <small>(04 05 19 16)</small>	
<b>04 05 19 16-0042</b>	<b>Hot-Dipped Galvanized, Wire Beam Ties</b> <small>(04 05 19 16-0041)</small>	
04 05 19 16-0043	EA 2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie .....	1.33
04 05 19 16-0044	EA 4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie .....	1.36
04 05 19 16-0045	EA 6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie .....	1.38
04 05 19 16-0046	EA 8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie .....	1.40
04 05 19 16-0047	EA 10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie .....	1.44
<b>04 05 19 16-0048</b>	<b>Mill Galvanized, Wire Beam Ties</b> <small>(04 05 19 16-0041)</small>	
04 05 19 16-0049	EA 2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie .....	1.53
04 05 19 16-0050	EA 4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie .....	1.58
04 05 19 16-0051	EA 6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie .....	1.64
04 05 19 16-0052	EA 8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie .....	1.67
04 05 19 16-0053	EA 10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie .....	1.71
<b>04 05 19 16-0054</b>	<b>Adjustable Double Pintle, Wire Masonry Wall Ties</b> <small>(04 05 19 16)</small>	
<b>04 05 19 16-0055</b>	<b>Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties</b> <small>(04 05 19 16-0054)</small>	
04 05 19 16-0056	EA 6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.44
04 05 19 16-0057	EA 7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.50
04 05 19 16-0058	EA 8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.51
04 05 19 16-0059	EA 9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.55
04 05 19 16-0060	EA 10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.57
<b>04 05 19 16-0061</b>	<b>Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties</b> <small>(04 05 19 16-0054)</small>	
04 05 19 16-0062	EA 6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.27
04 05 19 16-0063	EA 7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.30
04 05 19 16-0064	EA 8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.32
04 05 19 16-0065	EA 9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.34
04 05 19 16-0066	EA 10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.35
<b>04 05 19 16-0067</b>	<b>Corrugated Buck (Brick) Anchors</b> <small>(04 05 19 16)</small>	
<b>04 05 19 16-0068</b>	<b>Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors</b> <small>(04 05 19 16-0067)</small>	
04 05 19 16-0069	EA 3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.69
04 05 19 16-0070	EA 4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.74
04 05 19 16-0071	EA 5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.80





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0072 EA 6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.85	
04 05 19 16-0073 EA 7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.90	
04 05 19 16-0074 EA 3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.73	
04 05 19 16-0075 EA 4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.79	
04 05 19 16-0076 EA 5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.85	
04 05 19 16-0077 EA 6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.91	
04 05 19 16-0078 EA 7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.97	
<b>04 05 19 16-0079 Mill Galvanized, Corrugated Buck (Brick) Anchors</b> <small>(04 05 19 16-0067)</small>		
04 05 19 16-0080 EA 3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.50	
04 05 19 16-0081 EA 4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.54	
04 05 19 16-0082 EA 5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.58	
04 05 19 16-0083 EA 6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.62	
04 05 19 16-0084 EA 7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.66	
04 05 19 16-0085 EA 3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.53	
04 05 19 16-0086 EA 4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.58	
04 05 19 16-0087 EA 5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.62	
04 05 19 16-0088 EA 6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.66	
04 05 19 16-0089 EA 7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.70	
<b>04 05 19 16-0090 Corrugated Wall Ties</b> <small>(04 05 19 16)</small>		
<b>04 05 19 16-0091 Hot-Dipped Galvanized, Corrugated Wall Ties</b> <small>(04 05 19 16-0090)</small>		
04 05 19 16-0092 EA 7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.00	
04 05 19 16-0093 EA 7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.04	
04 05 19 16-0094 EA 7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.06	
04 05 19 16-0095 EA 7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.07	
04 05 19 16-0096 EA 7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.22	
<b>04 05 19 16-0097 Mill Galvanized, Corrugated Wall Ties</b> <small>(04 05 19 16-0090)</small>		
04 05 19 16-0098 EA 7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.01	
04 05 19 16-0099 EA 7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.03	
04 05 19 16-0100 EA 7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.04	
04 05 19 16-0101 EA 7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.15	
<b>04 05 19 16-0102 Stainless Steel, Corrugated Wall Ties</b> <small>(04 05 19 16-0090)</small>		
04 05 19 16-0103 EA 7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.38	
04 05 19 16-0104 EA 7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.44	
04 05 19 16-0105 EA 7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.51	
04 05 19 16-0106 EA 7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.57	
04 05 19 16-0107 EA 7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.90	
<b>04 05 19 16-0108 Wire Mesh Wall Ties</b> <small>(04 05 19 16)</small>		
Note: 1/2" square mesh.		
04 05 19 16-0109 EA 3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	1.86	
04 05 19 16-0110 EA 3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	2.20	
04 05 19 16-0111 EA 6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	2.56	
04 05 19 16-0112 EA 6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	3.17	
04 05 19 16-0113 EA 10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	3.07	
04 05 19 16-0114 EA 10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	3.64	
<b>04 05 19 16-0115 Triangle Brick Ties</b> <small>(04 05 19 16)</small>		
<b>04 05 19 16-0116 Hot-Dipped Galvanized, Triangle Brick Ties</b> <small>(04 05 19 16-0115)</small>		
04 05 19 16-0117 EA 3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.66	
04 05 19 16-0118 EA 3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.69	
04 05 19 16-0119 EA 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.71	
04 05 19 16-0120 EA 4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.78	
04 05 19 16-0121 EA 5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.81	
04 05 19 16-0122 EA 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.90	
04 05 19 16-0123 EA 7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.95	
04 05 19 16-0124 EA 9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.07	
04 05 19 16-0125 EA 3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.90	
04 05 19 16-0126 EA 3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.92	
04 05 19 16-0127 EA 4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.94	
04 05 19 16-0128 EA 4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.01	
04 05 19 16-0129 EA 5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.03	
04 05 19 16-0130 EA 6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.11	
04 05 19 16-0131 EA 7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.15	
04 05 19 16-0132 EA 9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.28	
<b>04 05 19 16-0133 Mill Galvanized, Triangle Brick Ties</b> <small>(04 05 19 16-0115)</small>		
04 05 19 16-0134 EA 3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.55	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.56	
04 05 19 16-0136	EA	4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.56	
04 05 19 16-0137	EA	4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.62	
04 05 19 16-0138	EA	5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.63	
04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.70	
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.71	
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.75	
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.69	
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.70	
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.72	
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.78	
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.79	
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.87	
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.89	
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.96	
<b>04 05 19 16-0150</b>		<b>Seismic Veneer Anchors</b> (04 05 19 16)		
04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor..... Note: For horizontal wire attachment. Excludes wire.	6.13	
<b>04 05 19 16-0152</b>		<b>Slip-Set, Joint Stabilization Anchors</b> (04 05 19 16)		
		Note: For restraining lateral movement at control joints. Field bendable.		
04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor.....	4.43	
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor.....	4.78	
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor.....	6.13	
<b>04 05 19 16-0156</b>		<b>Strap Partition Top Anchors</b> (04 05 19 16)		
04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor.....	2.67	
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor.....	6.45	
<b>04 05 19 16-0159</b>		<b>Rigid Partition Anchors</b> (04 05 19 16)		
<b>04 05 19 16-0160</b>		<b>Hot-Dipped Galvanized, Rigid Partition Anchors</b> (04 05 19 16-0159)		
04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.24	
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.39	
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.57	
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.74	
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.91	
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.07	
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.91	
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.44	
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.98	
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.51	
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	5.05	
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	5.59	
<b>04 05 19 16-0173</b>		<b>Mill Galvanized, Rigid Partition Anchors</b> (04 05 19 16-0159)		
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.09	
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.22	
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.35	
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.48	
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.61	
04 05 19 16-0179	EA	2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.74	
<b>04 05 19 16-0180</b>		<b>Screw-On Masonry Veneer Anchor Plates</b> (04 05 19 16)		
04 05 19 16-0181	EA	12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	1.45	
04 05 19 16-0182	EA	14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	1.50	
<b>04 05 19 16-0183</b>		<b>Wire Column Ties</b> (04 05 19 16)		
<b>04 05 19 16-0184</b>		<b>Hot-Dipped Galvanized, Wire Column Ties</b> (04 05 19 16-0183)		
04 05 19 16-0185	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.68	
04 05 19 16-0186	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.77	
04 05 19 16-0187	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.83	
04 05 19 16-0188	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.92	
04 05 19 16-0189	EA	10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.76	
04 05 19 16-0190	EA	12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.83	
04 05 19 16-0191	EA	14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.89	
04 05 19 16-0192	EA	16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.95	
04 05 19 16-0193	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.15	
04 05 19 16-0194	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.30	
04 05 19 16-0195	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.40	
04 05 19 16-0196	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.55	
04 05 19 16-0197	EA	10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0198 EA 12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	2.40	
04 05 19 16-0199 EA 14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	2.49	
04 05 19 16-0200 EA 16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	2.59	
<b>04 05 19 16-0201 Mill Galvanized, Wire Column Ties (04 05 19 16-0183)</b>		
04 05 19 16-0202 EA 3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.52	
04 05 19 16-0203 EA 5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.58	
04 05 19 16-0204 EA 7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.61	
04 05 19 16-0205 EA 9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.67	
04 05 19 16-0206 EA 10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.54	
04 05 19 16-0207 EA 12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.60	
04 05 19 16-0208 EA 14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.63	
04 05 19 16-0209 EA 16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.68	
04 05 19 16-0210 EA 3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.87	
04 05 19 16-0211 EA 5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.97	
04 05 19 16-0212 EA 7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	2.01	
04 05 19 16-0213 EA 9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	2.11	
04 05 19 16-0214 EA 10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.82	
04 05 19 16-0215 EA 12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.99	
04 05 19 16-0216 EA 14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	2.06	
04 05 19 16-0217 EA 16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	2.11	
<b>04 05 19 16-0218 Dovetail Anchors, Slots And Ties (04 05 19 16)</b>		
<b>04 05 19 16-0219 Dovetail Anchor Slots (04 05 19 16-0218)</b>		
<b>04 05 19 16-0220 Hot-Dipped Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)</b>		
04 05 19 16-0221 LF 24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot .....	3.61	
04 05 19 16-0222 LF 22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot .....	3.87	
04 05 19 16-0223 LF 20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot .....	4.02	
04 05 19 16-0224 LF 18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot .....	4.10	
04 05 19 16-0225 LF 16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot .....	4.27	
<b>04 05 19 16-0226 Mill Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)</b>		
04 05 19 16-0227 LF 24 Gauge, Mill Galvanized, Dovetail Anchor Slot .....	3.08	
04 05 19 16-0228 LF 22 Gauge, Mill Galvanized, Dovetail Anchor Slot .....	3.41	
04 05 19 16-0229 LF 20 Gauge, Mill Galvanized, Dovetail Anchor Slot .....	3.49	
04 05 19 16-0230 LF 18 Gauge, Mill Galvanized, Dovetail Anchor Slot .....	3.61	
04 05 19 16-0231 LF 16 Gauge, Mill Galvanized, Dovetail Anchor Slot .....	3.68	
<b>04 05 19 16-0232 304 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)</b>		
04 05 19 16-0233 LF 24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot .....	4.00	
04 05 19 16-0234 LF 22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot .....	4.44	
04 05 19 16-0235 LF 20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot .....	4.59	
04 05 19 16-0236 LF 18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot .....	5.09	
04 05 19 16-0237 LF 16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot .....	5.57	
<b>04 05 19 16-0238 316 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)</b>		
04 05 19 16-0239 LF 24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot .....	4.34	
04 05 19 16-0240 LF 22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot .....	4.68	
04 05 19 16-0241 LF 20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot .....	5.01	
04 05 19 16-0242 LF 18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot .....	5.44	
04 05 19 16-0243 LF 16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot .....	5.69	
<b>04 05 19 16-0244 Dovetail Corrugated Brick Ties (04 05 19 16-0218)</b>		
<b>04 05 19 16-0245 Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie (04 05 19 16-0244)</b>		
04 05 19 16-0246 EA 3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie .....	1.26	
04 05 19 16-0247 EA 5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie .....	1.34	
04 05 19 16-0248 EA 7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie .....	1.43	
04 05 19 16-0249 EA 3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie .....	1.28	
04 05 19 16-0250 EA 5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie .....	1.44	
04 05 19 16-0251 EA 7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie .....	1.56	
04 05 19 16-0252 EA 3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie .....	1.33	
04 05 19 16-0253 EA 5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie .....	1.43	
04 05 19 16-0254 EA 7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie .....	1.54	
<b>04 05 19 16-0255 Mill Galvanized, Dovetail Corrugated Brick Tie (04 05 19 16-0244)</b>		
04 05 19 16-0256 EA 3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie .....	1.18	
04 05 19 16-0257 EA 5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie .....	1.24	
04 05 19 16-0258 EA 7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie .....	1.29	
04 05 19 16-0259 EA 3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie .....	1.22	
04 05 19 16-0260 EA 5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie .....	1.33	
04 05 19 16-0261 EA 7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie .....	1.41	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0262 EA 3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.24	
04 05 19 16-0263 EA 5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.37	
04 05 19 16-0264 EA 7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.45	
<b>04 05 19 16-0265 Dovetail Stone Anchors (04 05 19 16-0218)</b>		
<b>04 05 19 16-0266 Hot-Dipped Galvanized, Dovetail Stone Anchors (04 05 19 16-0265)</b>		
04 05 19 16-0267 EA 3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.44	
04 05 19 16-0268 EA 5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.52	
04 05 19 16-0269 EA 7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.61	
<b>04 05 19 16-0270 Dovetail Partition Top Anchors (04 05 19 16-0218)</b>		
04 05 19 16-0271 EA 3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor.....	2.83	
04 05 19 16-0272 EA 3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor.....	6.94	
<b>04 05 19 16-0273 Dovetail Flexible Triangle Brick Ties (04 05 19 16-0218)</b>		
<b>04 05 19 16-0274 Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)</b>		
04 05 19 16-0275 EA 3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.07	
04 05 19 16-0276 EA 5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.18	
04 05 19 16-0277 EA 7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.26	
04 05 19 16-0278 EA 9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.33	
<b>04 05 19 16-0279 Mill Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)</b>		
04 05 19 16-0280 EA 3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.91	
04 05 19 16-0281 EA 5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.92	
04 05 19 16-0282 EA 7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.97	
04 05 19 16-0283 EA 9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.09	
<b>04 05 19 26 Masonry Reinforcing Bars (04 05 19)</b>		
Note: Includes cutting and bending.		
<b>04 05 19 26-0001 Plain Steel Masonry Reinforcement Bar (04 05 19 26)</b>		
04 05 19 26-0002 LF #3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	0.92	
04 05 19 26-0003 LF #4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.52	
04 05 19 26-0004 LF #5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.14	
04 05 19 26-0005 LF #6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.78	
04 05 19 26-0006 LF #3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	0.94	
04 05 19 26-0007 LF #4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.55	
04 05 19 26-0008 LF #5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.17	
04 05 19 26-0009 LF #6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.83	
04 05 19 26-0010 LF #3, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	0.96	
04 05 19 26-0011 LF #4, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.58	
04 05 19 26-0012 LF #5, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.23	
04 05 19 26-0013 LF #6, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.91	
04 05 19 26-0014 LF #3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.09	
04 05 19 26-0015 LF #4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.78	
04 05 19 26-0016 LF #5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.50	
04 05 19 26-0017 LF #6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.22	
04 05 19 26-0018 LF #3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.11	
04 05 19 26-0019 LF #4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.81	
04 05 19 26-0020 LF #5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.53	
04 05 19 26-0021 LF #6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.27	
04 05 19 26-0022 LF #3, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.13	
04 05 19 26-0023 LF #4, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.84	
04 05 19 26-0024 LF #5, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.59	
04 05 19 26-0025 LF #6, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.35	
<b>04 05 19 26-0026 Galvanized Steel Masonry Reinforcement Bar (04 05 19 26)</b>		
04 05 19 26-0027 LF #3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.06	
04 05 19 26-0028 LF #4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.75	
04 05 19 26-0029 LF #5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.50	
04 05 19 26-0030 LF #6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.30	
04 05 19 26-0031 LF #3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.07	
04 05 19 26-0032 LF #4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.78	
04 05 19 26-0033 LF #5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.53	
04 05 19 26-0034 LF #6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.35	
04 05 19 26-0035 LF #3, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.09	
04 05 19 26-0036 LF #4, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.81	
04 05 19 26-0037 LF #5, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.59	
04 05 19 26-0038 LF #6, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.43	
04 05 19 26-0039 LF #3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.23	
04 05 19 26-0040 LF #4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.01	
04 05 19 26-0041 LF #5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.86	
04 05 19 26-0042 LF #6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 26-0043 LF #3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.24	
04 05 19 26-0044 LF #4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.04	
04 05 19 26-0045 LF #5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.89	
04 05 19 26-0046 LF #6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.79	
04 05 19 26-0047 LF #3, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.26	
04 05 19 26-0048 LF #4, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.07	
04 05 19 26-0049 LF #5, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.95	
04 05 19 26-0050 LF #6, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.87	
<b>04 05 19 26-0051 Epoxy-Coated Masonry Reinforcement Bar</b> (04 05 19 26)		
04 05 19 26-0052 LF #3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.04	
04 05 19 26-0053 LF #4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.73	
04 05 19 26-0054 LF #5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.46	
04 05 19 26-0055 LF #6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.24	
04 05 19 26-0056 LF #3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.05	
04 05 19 26-0057 LF #4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.75	
04 05 19 26-0058 LF #5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.49	
04 05 19 26-0059 LF #6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.29	
04 05 19 26-0060 LF #3, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.07	
04 05 19 26-0061 LF #4, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.79	
04 05 19 26-0062 LF #5, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.55	
04 05 19 26-0063 LF #6, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.37	
04 05 19 26-0064 LF #3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.21	
04 05 19 26-0065 LF #4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.99	
04 05 19 26-0066 LF #5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.82	
04 05 19 26-0067 LF #6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.68	
04 05 19 26-0068 LF #3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.22	
04 05 19 26-0069 LF #4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.01	
04 05 19 26-0070 LF #5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.85	
04 05 19 26-0071 LF #6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.73	
04 05 19 26-0072 LF #3, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.24	
04 05 19 26-0073 LF #4, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.05	
04 05 19 26-0074 LF #5, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.91	
04 05 19 26-0075 LF #6, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.81	
<b>04 05 23 Masonry Accessories</b> (04 05)		
<b>04 05 23 13 Masonry Control and Expansion Joints</b> (04 05 23)		
04 05 23 13-0001 Masonry Control Joints (04 05 23 13)		
04 05 23 13-0002 Rubber, Masonry Control Joints (04 05 23 13-0001)		
04 05 23 13-0003 LF 1-5/8" Width, T-Style, Rubber, Masonry Control Joint.....	4.76	0.96
04 05 23 13-0004 LF 2-5/8" Width, Rubber, Masonry Control Joint.....	4.65	0.96
04 05 23 13-0005 LF 6-7/8" Width, Rubber, Masonry Control Joint.....	9.25	0.96
04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints (04 05 23 13-0001)		
04 05 23 13-0007 LF 1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint.....	3.24	0.96
04 05 23 13-0008 LF 2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	3.33	0.96
04 05 23 13-0009 LF 4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	4.19	0.96
04 05 23 13-0010 LF 6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	4.69	0.96
04 05 23 13-0011 LF 11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	4.49	0.96
<b>04 05 23 16 Masonry Embedded Flashing</b> (04 05 23)		
04 05 23 16-0001 Lead Coated Copper Through Wall Flashing (04 05 23 16)		
04 05 23 16-0002 Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)		
04 05 23 16-0003 SF 2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	8.79	1.69
04 05 23 16-0004 SF 3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	9.75	1.69
04 05 23 16-0005 SF 5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	12.41	1.69
04 05 23 16-0006 SF 7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	14.76	1.69
04 05 23 16-0007 Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)		
04 05 23 16-0008 SF 2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	9.72	1.69
04 05 23 16-0009 SF 3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	10.59	1.69
04 05 23 16-0010 SF 5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	13.65	1.69
04 05 23 16-0011 SF 7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	16.48	1.69
04 05 23 16-0012 Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)		
04 05 23 16-0013 SF 2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	9.00	1.69
04 05 23 16-0014 SF 3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	10.20	1.69
04 05 23 16-0015 SF 5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	11.93	1.69
04 05 23 16-0016 SF 7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	15.52	1.69



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 23 16-0017			Copper Through Wall Flashing <small>(04 05 23 16)</small>		
04 05 23 16-0018			2 Sides Coated With Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
04 05 23 16-0019	SF		2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	7.35	1.58
04 05 23 16-0020	SF		3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	8.05	1.58
04 05 23 16-0021	SF		5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	10.01	1.58
04 05 23 16-0022	SF		7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	11.73	1.58
04 05 23 16-0023	SF		10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	12.46	1.58
04 05 23 16-0024			2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
04 05 23 16-0025	SF		2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	8.05	1.58
04 05 23 16-0026	SF		3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	8.67	1.58
04 05 23 16-0027	SF		5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	10.92	1.58
04 05 23 16-0028	SF		7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	12.98	1.58
04 05 23 16-0029	SF		10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	14.21	1.58
04 05 23 16-0030			1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
04 05 23 16-0031	SF		2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	7.42	1.58
04 05 23 16-0032	SF		3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	8.14	1.58
04 05 23 16-0033	SF		5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	10.08	1.58
04 05 23 16-0034	SF		7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	11.80	1.58
04 05 23 16-0035	SF		10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	12.53	1.58
04 05 23 16-0036			2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
04 05 23 16-0037	SF		2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	7.52	1.58
04 05 23 16-0038	SF		3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	8.38	1.58
04 05 23 16-0039	SF		5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	9.65	1.58
04 05 23 16-0040	SF		7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	12.29	1.58
04 05 23 16-0041	SF		10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	8.00	1.58
04 05 23 16-0042			2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
04 05 23 16-0043	SF		3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	10.40	1.58
04 05 23 16-0044	SF		5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	13.01	1.58
04 05 23 16-0045			2 Sides Glass Fabric, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
			Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0046	SF		3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing .....	8.90	1.58
04 05 23 16-0047	SF		5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing .....	11.23	1.58
04 05 23 16-0048			Stainless Steel Through Wall Flashing <small>(04 05 23 16)</small>		
04 05 23 16-0049			Paper Backed 2 Sides, Stainless Steel Through Wall Flashing <small>(04 05 23 16-0048)</small>		
04 05 23 16-0050	SF		0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing .....	7.55	1.58
04 05 23 16-0051			Polyvinyl Chloride (PVC) Through Wall Flashing <small>(04 05 23 16)</small>		
04 05 23 16-0052	SF		0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	3.68	1.57
04 05 23 16-0053	SF		0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	3.85	1.57
04 05 23 16-0054	SF		0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	4.03	1.57
04 05 23 16-0055	SF		0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	4.66	1.57
04 05 23 19			<b>Masonry Cavity Drainage, Weepholes, and Vents</b> <small>(04 05 23)</small>		
04 05 23 19-0001			Brick Vents, 4" Deep, With Insect Screen <small>(04 05 23 19)</small>		
			Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002	EA		8-1/8" x 2-3/8" Aluminum Brick Vent .....	76.67	
04 05 23 19-0003	EA		8-1/8" x 4-3/4" Aluminum Brick Vent .....	95.36	
04 05 23 19-0004	EA		8-1/8" x 7-3/4" Aluminum Brick Vent .....	120.82	
04 05 23 19-0005	EA		12" x 2-3/8" Aluminum Brick Vent .....	94.88	
04 05 23 19-0006	EA		12" x 4-3/4" Aluminum Brick Vent .....	117.56	
04 05 23 19-0007	EA		12" x 7-3/4" Aluminum Brick Vent .....	149.34	
04 05 23 19-0008	EA		16-1/2" x 2-3/8" Aluminum Brick Vent .....	112.85	
04 05 23 19-0009	EA		16-1/2" x 4-3/4" Aluminum Brick Vent .....	153.84	
04 05 23 19-0010	EA		16-1/2" x 7-3/4" Aluminum Brick Vent .....	188.95	
04 05 23 19-0011	EA		24" x 2-3/8" Aluminum Brick Vent .....	155.22	
04 05 23 19-0012	EA		24" x 4-3/4" Aluminum Brick Vent .....	202.51	
04 05 23 19-0013	EA		24" x 7-3/4" Aluminum Brick Vent .....	250.19	

04 20 Unit Masonry (04)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Note: Includes finishing joints (pointing) and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

**04 21 Clay Unit Masonry** (04 20)

**04 21 13 Brick Masonry** (04 21)

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors.

**04 21 13 00-0001 Brick Masonry** (04 21 13)

04 21 13 00-0002	SF	Standard Size Red Brick, Running Bond.....	24.51
		Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)	
		For Buff Or Gray, Add	0.95
		For Common Or American Bond, Add	0.75
		For English Bond, Add	1.50
		For Flemish Bond, Add	3.11
		For Stacked Bond, Add	2.17
		For <10, Small Area Replacements (Individual Areas), Add	28.49
		For Curved Wall, Add	3.76
		For Corbels, Add	14.10
		For Severe Weather (SW) Brick, Add	0.86
		For Glazed Brick, Add	19.99
04 21 13 00-0003	SF	Engineer Standard Size Red Brick, Running Bond.....	25.45
		Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)	
		For Buff Or Gray, Add	1.18
		For Common Or American Bond, Add	0.73
		For English Bond, Add	1.47
		For Flemish Bond, Add	3.11
		For Stacked Bond, Add	2.19
		For <10, Small Area Replacements (Individual Areas), Add	27.91
		For Curved Wall, Add	3.67
		For Corbels, Add	13.78
		For Severe Weather (SW) Brick, Add	1.06
		For Glazed Brick, Add	24.78
04 21 13 00-0004	SF	Modular Size Red Brick, Running Bond.....	24.51
		Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)	
		For Buff Or Gray, Add	0.95
		For Common Or American Bond, Add	0.75
		For English Bond, Add	1.50
		For Flemish Bond, Add	3.11
		For Stacked Bond, Add	2.17
		For <10, Small Area Replacements (Individual Areas), Add	28.49
		For Curved Wall, Add	3.76
		For Corbels, Add	14.10
		For Severe Weather (SW) Brick, Add	0.86
		For Glazed Brick, Add	19.99
04 21 13 00-0005	SF	Engineer Modular Size Red Brick, Running Bond .....	25.45
		Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)	
		For Buff Or Gray, Add	1.18
		For Common Or American Bond, Add	0.73
		For English Bond, Add	1.47
		For Flemish Bond, Add	3.11
		For Stacked Bond, Add	2.19
		For <10, Small Area Replacements (Individual Areas), Add	27.91
		For Curved Wall, Add	3.67
		For Corbels, Add	13.78
		For Severe Weather (SW) Brick, Add	1.06
		For Glazed Brick, Add	24.78
04 21 13 00-0006	SF	Economy Size Red Brick, Running Bond.....	25.26
		Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)	
		For Buff Or Gray, Add	1.15
		For Common Or American Bond, Add	0.73
		For English Bond, Add	1.47
		For Flemish Bond, Add	3.10
		For Stacked Bond, Add	2.18
		For <10, Small Area Replacements (Individual Areas), Add	27.90
		For Curved Wall, Add	3.67
		For Corbels, Add	13.78
		For Severe Weather (SW) Brick, Add	1.03
		For Glazed Brick, Add	24.12
04 21 13 00-0007	SF	Utility Size Red Brick, Running Bond.....	18.73
		Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)	
		For Buff Or Gray, Add	0.98
		For Common Or American Bond, Add	0.51
		For English Bond, Add	1.03
		For Flemish Bond, Add	2.22
		For Stacked Bond, Add	1.58
		For <10, Small Area Replacements (Individual Areas), Add	19.54
		For Curved Wall, Add	2.57
		For Corbels, Add	9.62
		For Severe Weather (SW) Brick, Add	0.89
		For Glazed Brick, Add	20.65



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 21 13 00-0008	SF	Double Utility Size Red Brick, Running Bond.....	16.96
		Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)	
		For Buff Or Gray, Add	0.69
		For Common Or American Bond, Add	0.51
		For English Bond, Add	1.03
		For Flemish Bond, Add	2.13
		For Stacked Bond, Add	1.49
		For <10, Small Area Replacements (Individual Areas), Add	19.45
		For Curved Wall, Add	2.57
		For Corbels, Add	9.62
		For Severe Weather (SW) Brick, Add	0.62
		For Glazed Brick, Add	14.46
04 21 13 00-0009	SF	Norman Size Red Brick, Running Bond.....	25.80
		Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)	
		For Buff Or Gray, Add	1.24
		For Common Or American Bond, Add	0.73
		For English Bond, Add	1.47
		For Flemish Bond, Add	3.13
		For Stacked Bond, Add	2.21
		For <10, Small Area Replacements (Individual Areas), Add	27.93
		For Curved Wall, Add	3.67
		For Corbels, Add	13.78
		For Severe Weather (SW) Brick, Add	1.11
		For Glazed Brick, Add	26.01
04 21 13 00-0010	SF	Roman Size Red Brick, Running Bond.....	27.37
		Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)	
		For Buff Or Gray, Add	1.50
		For Common Or American Bond, Add	0.73
		For English Bond, Add	1.47
		For Flemish Bond, Add	3.21
		For Stacked Bond, Add	2.29
		For <10, Small Area Replacements (Individual Areas), Add	28.01
		For Curved Wall, Add	3.67
		For Corbels, Add	13.78
		For Severe Weather (SW) Brick, Add	1.35
		For Glazed Brick, Add	31.50

#### 04 21 13 00-0011 Fire Brick (04 21 13)

04 21 13 00-0012	SF	Running Bond, Red Fire Brick.....	28.93
		For Buff Or Gray, Add	1.76
		For Common Or American Bond, Add	0.73
		For English Bond, Add	1.47
		For Flemish Bond, Add	3.28
		For Stacked Bond, Add	2.37
		For <10, Small Area Replacements (Individual Areas), Add	28.08

#### 04 21 13 00-0013 Window Sill (04 21 13)

04 21 13 00-0014	LF	Standard Size Red Brick, Window Sill.....	21.71
		Note: Standard size brick, 3-5/8" x 2-1/4" x 8", placed on edge.	
		For Buff Or Gray, Add	0.27
04 21 13 00-0015	LF	Engineer Standard Size Red Brick, Window Sill.....	21.90
		Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8", placed on edge.	
		For Buff Or Gray, Add	0.30
04 21 13 00-0016	LF	Modular Size Red Brick, Window Sill.....	21.71
		Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8", placed on edge.	
		For Buff Or Gray, Add	0.27
04 21 13 00-0017	LF	Engineer Modular Size Red Brick, Window Sill.....	22.03
		Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8", placed on edge.	
		For Buff Or Gray, Add	0.32
04 21 13 00-0018	LF	Economy Size Red Brick, Window Sill.....	22.86
		Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8", placed on edge.	
		For Buff Or Gray, Add	0.46
04 21 13 00-0019	LF	Utility Size Red Brick, Window Sill.....	23.03
		Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8", placed on edge.	
		For Buff Or Gray, Add	0.49
04 21 13 00-0020	LF	Double Utility Size Red Brick, Window Sill.....	23.03
		Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8", placed on edge.	
		For Buff Or Gray, Add	0.49
04 21 13 00-0021	LF	Norman Size Red Brick, Window Sill.....	22.13
		Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8", placed on edge.	
		For Buff Or Gray, Add	0.34
04 21 13 00-0022	LF	Roman Size Red Brick, Window Sill.....	22.22
		Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8", placed on edge.	
		For Buff Or Gray, Add	0.35

#### 04 21 26 Glazed Structural Clay Tile Masonry (04 21)

Note: Includes tile and mortar in all colors.

04 21 26 00-0001		6T Series Structural Glazed Clay Tile <small>(04 21 26)</small>	
04 21 26 00-0002		Glazed On One Side 6T Series Structural Glazed Clay Tile <small>(04 21 26 00-0001)</small>	
04 21 26 00-0003	SF	2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	30.66
		For Stacked Bond, Add	2.00





<b>Masonry</b>	<b>04</b>	<b>04</b>
Unit Masonry	04 20	
Clay Unit Masonry	04 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 26 00-0004 SF 4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"..... <i>For Stacked Bond, Add</i>	34.35 2.00	
04 21 26 00-0005 SF 6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"..... <i>For Stacked Bond, Add</i>	41.95 2.10	
<b>04 21 26 00-0006 Special Shapes 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)</b>		
04 21 26 00-0007 LF Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile..... <i>For Stacked Bond, Add</i>	32.10 2.37	
04 21 26 00-0008 LF 2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile..... <i>For Stacked Bond, Add</i>	38.26 2.37	
<b>04 21 26 00-0009 8W Series Structural Glazed Clay Tile (04 21 26)</b>		
<b>04 21 26 00-0010 Glazed On One Side 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)</b>		
04 21 26 00-0011 SF 2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"..... <i>For Stacked Bond, Add</i>	24.06 1.28	
04 21 26 00-0012 SF 4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"..... <i>For Stacked Bond, Add</i>	29.94 1.37	
04 21 26 00-0013 SF 6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"..... <i>For Stacked Bond, Add</i>	41.34 1.46	
<b>04 21 26 00-0014 Special Shapes 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)</b>		
04 21 26 00-0015 LF Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile ..... <i>For Stacked Bond, Add</i>	32.90 1.64	
04 21 26 00-0016 LF 2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile..... <i>For Stacked Bond, Add</i>	32.85 1.64	
<b>04 21 26 00-0017 4W Series Structural Glazed Clay Tile (04 21 26)</b>		
<b>04 21 26 00-0018 Glazed On One Side 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)</b>		
04 21 26 00-0019 SF 2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"..... <i>For Stacked Bond, Add</i>	32.04 2.00	
04 21 26 00-0020 SF 4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"..... <i>For Stacked Bond, Add</i>	33.89 2.00	
04 21 26 00-0021 SF 6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"..... <i>For Stacked Bond, Add</i>	42.18 2.10	
<b>04 21 26 00-0022 Special Shapes 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)</b>		
04 21 26 00-0023 LF Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile ..... <i>For Stacked Bond, Add</i>	33.23 2.37	
04 21 26 00-0024 LF 2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile..... <i>For Stacked Bond, Add</i>	38.15 2.37	
<b>04 21 26 00-0025 6T Series Sound Absorbing Structural Glazed Tile (04 21 26)</b>		
04 21 26 00-0026 SF 4" Thick, 6T Sound Absorbing Structural Glazed Tile.....	33.15	
04 21 26 00-0027 SF 6" Thick, 6T Sound Absorbing Structural Glazed Tile.....	35.80	
04 21 26 00-0028 SF 8" Thick, 6T Sound Absorbing Structural Glazed Tile.....	41.78	
<b>04 21 26 00-0029 8T Series Sound Absorbing Structural Glazed Tile (04 21 26)</b>		
04 21 26 00-0030 SF 4" Thick, 8T Sound Absorbing Structural Glazed Tile.....	36.78	
04 21 26 00-0031 SF 6" Thick, 8T Sound Absorbing Structural Glazed Tile.....	41.51	
04 21 26 00-0032 SF 8" Thick, 8T Acoustical Glazed Tile .....	49.26	

**04 22 Concrete Unit Masonry (04 20)**

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

**04 22 23 Architectural Concrete Unit Masonry (04 22)**

**04 22 23 13 Exposed Aggregate Concrete Unit Masonry (04 22 23)**

**04 22 23 13-0001 Concrete Blocks (04 22 23 13)**

**04 22 23 13-0002 Lightweight Concrete Blocks (04 22 23 13-0001)**

**04 22 23 13-0003 Cored, Lightweight, Concrete Blocks (04 22 23 13-0002)**

04 22 23 13-0004 SF 4" x 8" x 16", Cored, Lightweight, Concrete Block .....	11.10	
<i>For Stacked Bond, Add</i>	2.52	
<i>For Scored Block, Add</i>	0.28	
<i>For Curved Wall Application, Add</i>	1.94	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	14.64	
04 22 23 13-0005 SF 6" x 8" x 16", Cored, Lightweight, Concrete Block .....	12.27	
<i>For Stacked Bond, Add</i>	2.72	
<i>For Scored Block, Add</i>	0.36	
<i>For Curved Wall Application, Add</i>	2.10	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	15.85	

<b>04</b>	<b>Masonry</b>
<b>04 20</b>	<b>Unit Masonry</b>
<b>04 22</b>	<b>Concrete Unit Masonry</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0006	SF		8" x 8" x 16", Cored, Lightweight, Concrete Block .....	13.27	
			<i>For Stacked Bond, Add</i>	2.93	
			<i>For Scored Block, Add</i>	0.40	
			<i>For Curved Wall Application, Add</i>	2.25	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	17.04	
04 22 23 13-0007	SF		10" x 8" x 16", Cored, Lightweight, Concrete Block .....	14.45	
			<i>For Stacked Bond, Add</i>	3.06	
			<i>For Scored Block, Add</i>	0.54	
			<i>For Curved Wall Application, Add</i>	2.35	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	17.86	
04 22 23 13-0008	SF		12" x 8" x 16", Cored, Lightweight, Concrete Block .....	17.28	
			<i>For Stacked Bond, Add</i>	3.74	
			<i>For Scored Block, Add</i>	0.58	
			<i>For Curved Wall Application, Add</i>	2.88	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	21.82	
<b>04 22 23 13-0009</b>			<b>Solid, Lightweight, Concrete Blocks</b> (04 22 23 13-0002)		
04 22 23 13-0010	SF		4" x 8" x 16", Solid, Lightweight, Concrete Block .....	11.82	
			<i>For Stacked Bond, Add</i>	2.58	
			<i>For Scored Block, Add</i>	0.38	
			<i>For Curved Wall Application, Add</i>	1.99	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	15.05	
04 22 23 13-0011	SF		6" x 8" x 16", Solid, Lightweight, Concrete Block .....	12.96	
			<i>For Stacked Bond, Add</i>	2.84	
			<i>For Scored Block, Add</i>	0.41	
			<i>For Curved Wall Application, Add</i>	2.19	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	16.55	
04 22 23 13-0012	SF		8" x 8" x 16", Solid, Lightweight, Concrete Block .....	13.70	
			<i>For Stacked Bond, Add</i>	3.02	
			<i>For Scored Block, Add</i>	0.42	
			<i>For Curved Wall Application, Add</i>	2.32	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	17.56	
04 22 23 13-0013	SF		10" x 8" x 16", Solid, Lightweight, Concrete Block .....	15.04	
			<i>For Stacked Bond, Add</i>	3.16	
			<i>For Scored Block, Add</i>	0.58	
			<i>For Curved Wall Application, Add</i>	2.43	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	18.43	
04 22 23 13-0014	SF		12" x 8" x 16", Solid, Lightweight, Concrete Block .....	17.99	
			<i>For Stacked Bond, Add</i>	3.87	
			<i>For Scored Block, Add</i>	0.62	
			<i>For Curved Wall Application, Add</i>	2.98	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	22.55	
<b>04 22 23 13-0015</b>			<b>Normal Weight Concrete Blocks</b> (04 22 23 13-0001)		
<b>04 22 23 13-0016</b>			<b>Cored, Normal Weight, Concrete Blocks</b> (04 22 23 13-0015)		
04 22 23 13-0017	SF		4" x 8" x 16", Cored, Normal Weight, Concrete Block .....	11.35	
			<i>For Stacked Bond, Add</i>	2.58	
			<i>For Scored Block, Add</i>	0.28	
			<i>For Curved Wall Application, Add</i>	1.99	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	15.02	
04 22 23 13-0018	SF		6" x 8" x 16", Cored, Normal Weight, Concrete Block .....	12.54	
			<i>For Stacked Bond, Add</i>	2.84	
			<i>For Scored Block, Add</i>	0.32	
			<i>For Curved Wall Application, Add</i>	2.19	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	16.52	
04 22 23 13-0019	SF		8" x 8" x 16", Cored, Normal Weight, Concrete Block .....	13.45	
			<i>For Stacked Bond, Add</i>	3.02	
			<i>For Scored Block, Add</i>	0.37	
			<i>For Curved Wall Application, Add</i>	2.32	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	17.54	
04 22 23 13-0020	SF		10" x 8" x 16", Cored, Normal Weight, Concrete Block .....	15.72	
			<i>For Stacked Bond, Add</i>	3.16	
			<i>For Scored Block, Add</i>	0.72	
			<i>For Curved Wall Application, Add</i>	2.43	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	18.48	
04 22 23 13-0021	SF		12" x 8" x 16", Cored, Normal Weight, Concrete Block .....	18.57	
			<i>For Stacked Bond, Add</i>	3.87	
			<i>For Scored Block, Add</i>	0.74	
			<i>For Curved Wall Application, Add</i>	2.98	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	22.60	
<b>04 22 23 13-0022</b>			<b>Solid, Normal Weight, Concrete Blocks</b> (04 22 23 13-0015)		
04 22 23 13-0023	SF		4" x 8" x 16", Solid, Normal Weight, Concrete Block .....	11.99	
			<i>For Stacked Bond, Add</i>	2.65	
			<i>For Scored Block, Add</i>	0.36	
			<i>For Curved Wall Application, Add</i>	2.04	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	15.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0024 SF 6" x 8" x 16", Solid, Normal Weight, Concrete Block.....	12.91	
<i>For Stacked Bond, Add</i>	2.93	
<i>For Scored Block, Add</i>	0.33	
<i>For Curved Wall Application, Add</i>	2.25	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	17.01	
04 22 23 13-0025 SF 8" x 8" x 16", Solid, Normal Weight, Concrete Block.....	13.88	
<i>For Stacked Bond, Add</i>	3.11	
<i>For Scored Block, Add</i>	0.38	
<i>For Curved Wall Application, Add</i>	2.39	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	18.08	
04 22 23 13-0026 SF 10" x 8" x 16", Solid, Normal Weight, Concrete Block.....	15.11	
<i>For Stacked Bond, Add</i>	3.26	
<i>For Scored Block, Add</i>	0.51	
<i>For Curved Wall Application, Add</i>	2.51	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	19.00	
04 22 23 13-0027 SF 12" x 8" x 16", Solid, Normal Weight, Concrete Block.....	18.08	
<i>For Stacked Bond, Add</i>	4.00	
<i>For Scored Block, Add</i>	0.54	
<i>For Curved Wall Application, Add</i>	3.08	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	23.30	
<b>04 22 23 13-0028 Bond Beam Or Lintel Concrete Blocks (04 22 23 13)</b>		
<b>04 22 23 13-0029 Lightweight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)</b>		
Note: Excludes concrete fill and reinforcing.		
04 22 23 13-0030 LF 6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	12.68	
<i>For Stacked Bond, Add</i>	2.72	
<i>For Grout And Fill With 2 #5 Rebar, Add</i>	7.44	
<i>For Scored Block, Add</i>	0.44	
<i>For Curved Wall Application, Add</i>	2.10	
04 22 23 13-0031 LF 8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	13.92	
<i>For Stacked Bond, Add</i>	2.93	
<i>For Grout And Fill With 2 #5 Rebar, Add</i>	8.29	
<i>For Scored Block, Add</i>	0.53	
<i>For Curved Wall Application, Add</i>	2.25	
04 22 23 13-0032 LF 12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	17.23	
<i>For Stacked Bond, Add</i>	3.74	
<i>For Grout And Fill With 2 #5 Rebar, Add</i>	10.03	
<i>For Scored Block, Add</i>	0.57	
<i>For Curved Wall Application, Add</i>	2.88	
<b>04 22 23 13-0033 Normal Weight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)</b>		
Note: Excludes concrete fill and reinforcing.		
04 22 23 13-0034 LF 6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block .....	12.82	
<i>For Stacked Bond, Add</i>	2.84	
<i>For Grout And Fill With 2 #5 Rebar, Add</i>	7.36	
<i>For Scored Block, Add</i>	0.38	
<i>For Curved Wall Application, Add</i>	2.19	
04 22 23 13-0035 LF 8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block .....	13.95	
<i>For Stacked Bond, Add</i>	3.02	
<i>For Grout And Fill With 2 #5 Rebar, Add</i>	8.15	
<i>For Scored Block, Add</i>	0.47	
<i>For Curved Wall Application, Add</i>	2.32	
04 22 23 13-0036 LF 12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block .....	17.40	
<i>For Stacked Bond, Add</i>	3.87	
<i>For Grout And Fill With 2 #5 Rebar, Add</i>	9.96	
<i>For Scored Block, Add</i>	0.50	
<i>For Curved Wall Application, Add</i>	2.98	
<b>04 22 23 23 Prefaced Concrete Unit Masonry (04 22 23)</b>		
<b>04 22 23 23-0001 Ground Face Concrete Blocks (04 22 23 23)</b>		
04 22 23 23-0002 SF 4" x 8" x 16", Ground Face, Concrete Block .....	14.40	
<i>For Stacked Bond, Add</i>	3.16	
<i>For Scored Block, Add</i>	0.45	
<i>For Curved Wall Application, Add</i>	2.43	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	18.38	
04 22 23 23-0003 SF 6" x 8" x 16", Ground Face, Concrete Block .....	16.24	
<i>For Stacked Bond, Add</i>	3.55	
<i>For Scored Block, Add</i>	0.51	
<i>For Curved Wall Application, Add</i>	2.73	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	20.70	
04 22 23 23-0004 SF 8" x 8" x 16", Ground Face, Concrete Block .....	17.48	
<i>For Stacked Bond, Add</i>	3.75	
<i>For Scored Block, Add</i>	0.61	
<i>For Curved Wall Application, Add</i>	2.89	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	21.89	
04 22 23 23-0005 SF 10" x 8" x 16", Ground Face, Concrete Block .....	18.66	
<i>For Stacked Bond, Add</i>	3.98	
<i>For Scored Block, Add</i>	0.67	
<i>For Curved Wall Application, Add</i>	3.06	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	23.22	

<b>04</b>	<b>Masonry</b>
<b>04 20</b>	<b>Unit Masonry</b>
<b>04 22</b>	<b>Concrete Unit Masonry</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 23-0006 SF 12" x 8" x 16", Ground Face, Concrete Block .....	22.26	
For Stacked Bond, Add	4.84	
For Scored Block, Add	0.73	
For Curved Wall Application, Add	3.72	
For <10, Small Area Replacements (Individual Areas), Add	28.17	
<b>04 22 23 26 Sound-Absorbing Concrete Unit Masonry (04 22 23)</b>		
<b>04 22 23 26-0001 Slotted, Acoustical Concrete Block (04 22 23 26)</b>		
04 22 23 26-0002 SF 4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block .....	18.37	
For Stacked Bond, Add	3.16	
For Curved Wall Application, Add	2.43	
For <10, Small Area Replacements (Individual Areas), Add	18.68	
04 22 23 26-0003 SF 6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block .....	20.51	
For Stacked Bond, Add	3.43	
For Curved Wall Application, Add	2.64	
For <10, Small Area Replacements (Individual Areas), Add	20.35	
04 22 23 26-0004 SF 8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block .....	23.45	
For Stacked Bond, Add	3.75	
For Curved Wall Application, Add	2.89	
For <10, Small Area Replacements (Individual Areas), Add	22.34	
<b>04 22 23 29 Split-Face Concrete Unit Masonry (04 22 23)</b>		
<b>04 22 23 29-0001 Split Face, Concrete Blocks (04 22 23 29)</b>		
<b>04 22 23 29-0002 Plain Or Scored, Split Face, Concrete Blocks (04 22 23 29-0001)</b>		
04 22 23 29-0003 SF 4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	14.66	
For Stacked Bond, Add	3.16	
For Curved Wall Application, Add	2.43	
For <10, Small Area Replacements (Individual Areas), Add	18.40	
04 22 23 29-0004 SF 6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	16.55	
For Stacked Bond, Add	3.55	
For Curved Wall Application, Add	2.73	
For <10, Small Area Replacements (Individual Areas), Add	20.72	
04 22 23 29-0005 SF 8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	17.84	
For Stacked Bond, Add	3.75	
For Curved Wall Application, Add	2.89	
For <10, Small Area Replacements (Individual Areas), Add	21.92	
04 22 23 29-0006 SF 10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	19.09	
For Stacked Bond, Add	3.98	
For Curved Wall Application, Add	3.06	
For <10, Small Area Replacements (Individual Areas), Add	23.25	
04 22 23 29-0007 SF 12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	22.24	
For Stacked Bond, Add	4.84	
For Curved Wall Application, Add	3.72	
For <10, Small Area Replacements (Individual Areas), Add	28.17	
<b>04 22 23 29-0008 Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks (04 22 23 29-0001)</b>		
04 22 23 29-0009 SF 4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block .....	15.30	
For Stacked Bond, Add	3.16	
For Grout And Fill With 2 #5 Rebar, Add	9.23	
For Curved Wall Application, Add	2.43	
For <10, Small Area Replacements (Individual Areas), Add	18.45	
04 22 23 29-0010 SF 6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block .....	17.27	
For Stacked Bond, Add	3.55	
For Grout And Fill With 2 #5 Rebar, Add	10.44	
For Curved Wall Application, Add	2.73	
For <10, Small Area Replacements (Individual Areas), Add	20.78	
04 22 23 29-0011 SF 8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block .....	18.69	
For Stacked Bond, Add	3.75	
For Grout And Fill With 2 #5 Rebar, Add	11.47	
For Curved Wall Application, Add	2.89	
For <10, Small Area Replacements (Individual Areas), Add	21.98	
04 22 23 29-0012 SF 10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block .....	20.03	
For Stacked Bond, Add	3.98	
For Grout And Fill With 2 #5 Rebar, Add	12.38	
For Curved Wall Application, Add	3.06	
For <10, Small Area Replacements (Individual Areas), Add	23.32	
04 22 23 29-0013 SF 12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block .....	23.15	
For Stacked Bond, Add	4.84	
For Grout And Fill With 2 #5 Rebar, Add	13.85	
For Curved Wall Application, Add	3.72	
For <10, Small Area Replacements (Individual Areas), Add	28.24	
04 22 23 29-0014 Split Rib, Concrete Block (04 22 23 29)		
04 22 23 29-0015 Split Rib, Concrete Block (04 22 23 29-0014)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 29-0016 SF 4" x 8" x 16", Split Rib, Concrete Block.....	14.46	
<i>For Stacked Bond, Add</i>	3.16	
<i>For Curved Wall Application, Add</i>	2.43	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	18.38	
04 22 23 29-0017 SF 6" x 8" x 16", Split Rib, Concrete Block.....	17.02	
<i>For Stacked Bond, Add</i>	3.55	
<i>For Curved Wall Application, Add</i>	2.73	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	20.76	
04 22 23 29-0018 SF 8" x 8" x 16", Split Rib, Concrete Block.....	18.08	
<i>For Stacked Bond, Add</i>	3.75	
<i>For Curved Wall Application, Add</i>	2.89	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	21.93	
04 22 23 29-0019 SF 10" x 8" x 16", Split Rib, Concrete Block.....	19.29	
<i>For Stacked Bond, Add</i>	3.98	
<i>For Curved Wall Application, Add</i>	3.06	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	23.26	
04 22 23 29-0020 SF 12" x 8" x 16", Split Rib, Concrete Block.....	22.96	
<i>For Stacked Bond, Add</i>	4.84	
<i>For Curved Wall Application, Add</i>	3.72	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	28.23	
 <b>04 22 23 31 Glazed Concrete Masonry Unit (04 22 23)</b>		
<b>04 22 23 31-0001 One Glazed Face, Concrete Blocks (04 22 23 31)</b>		
<b>04 22 23 31-0002 One Glazed Face, Concrete Blocks (04 22 23 31-0001)</b>		
04 22 23 31-0003 SF 4" x 8" x 16", One Glazed Face, Concrete Block.....	22.94	
<i>For Stacked Bond, Add</i>	3.06	
<i>For Curved Wall Application, Add</i>	2.35	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	18.49	
04 22 23 31-0004 SF 6" x 8" x 16", One Glazed Face, Concrete Block.....	24.66	
<i>For Stacked Bond, Add</i>	3.37	
<i>For Curved Wall Application, Add</i>	2.59	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	20.32	
04 22 23 31-0005 SF 8" x 8" x 16", One Glazed Face, Concrete Block.....	26.11	
<i>For Stacked Bond, Add</i>	3.55	
<i>For Curved Wall Application, Add</i>	2.73	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	21.44	
04 22 23 31-0006 SF 10" x 8" x 16", One Glazed Face, Concrete Block.....	27.64	
<i>For Stacked Bond, Add</i>	3.75	
<i>For Curved Wall Application, Add</i>	2.89	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	22.65	
04 22 23 31-0007 SF 12" x 8" x 16", One Glazed Face, Concrete Block.....	31.35	
<i>For Stacked Bond, Add</i>	4.55	
<i>For Curved Wall Application, Add</i>	3.50	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	27.30	
 <b>04 22 23 31-0008 Two Glazed Faces, Concrete Blocks (04 22 23 31)</b>		
<b>04 22 23 31-0009 Two Glazed Faces, Concrete Blocks (04 22 23 31-0008)</b>		
04 22 23 31-0010 SF 4" x 8" x 16", Two Glazed Faces, Concrete Block.....	30.02	
<i>For Stacked Bond, Add</i>	3.49	
<i>For Curved Wall Application, Add</i>	2.69	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	21.39	
04 22 23 31-0011 SF 6" x 8" x 16", Two Glazed Faces, Concrete Block.....	31.58	
<i>For Stacked Bond, Add</i>	3.75	
<i>For Curved Wall Application, Add</i>	2.89	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	22.95	
04 22 23 31-0012 SF 8" x 8" x 16", Two Glazed Faces, Concrete Block.....	33.82	
<i>For Stacked Bond, Add</i>	4.14	
<i>For Curved Wall Application, Add</i>	3.19	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	25.25	
 <b>04 23 Glass Unit Masonry (04 20)</b>		
<b>04 23 13 Vertical Glass Unit Masonry (04 23)</b>		
Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.		
<b>04 23 13 00-0001 Glass Block Unit Masonry (04 23 13)</b>		
04 23 13 00-0002 SF 6" x 6" x 4" Plain Glass Block.....	69.78	
<i>For Solar Reflective (Suntrol) Blocks, Add</i>	13.58	
<i>For Essex (Horizontal Striated) Blocks, Add</i>	7.76	
<i>For Sculptured Or Patterned Blocks, Add</i>	13.58	
<i>For Colored Glass, Add</i>	38.81	
<i>For Thinline Block, Deduct</i>	-9.70	
<i>For &gt;1,000 To 5,000, Deduct</i>	-5.02	
<i>For &gt;5,000, Deduct</i>	-8.50	

<b>04</b>	<b>Masonry</b>
<b>04 20</b>	<b>Unit Masonry</b>
<b>04 23</b>	<b>Glass Unit Masonry</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 23 13 00-0003	SF		8" x 8" x 4" Plain Glass Block.....	50.24	
			For Solar Reflective (Suntrol) Blocks, Add	9.61	
			For Essex (Horizontal Striated) Blocks, Add	5.49	
			For Sculptured Or Patterned Blocks, Add	9.61	
			For Colored Glass, Add	27.47	
			For Thinline Block, Deduct	-6.87	
			For >1,000 To 5,000, Deduct	-3.64	
			For >5,000, Deduct	-6.15	
04 23 13 00-0004	SF		12" x 12" x 4" Plain Glass Block.....	56.05	
			For Solar Reflective (Suntrol) Blocks, Add	12.29	
			For Essex (Horizontal Striated) Blocks, Add	7.02	
			For Sculptured Or Patterned Blocks, Add	12.29	
			For Colored Glass, Add	35.10	
			For Thinline Block, Deduct	-8.78	
			For >1,000 To 5,000, Deduct	-3.84	
			For >5,000, Deduct	-6.64	
<b>04 23 13 00-0005</b>			<b>Solid Glass Block (Vistabrik®) (04 23 13)</b>		
04 23 13 00-0006	SF		3" x 8" x 3" Solid Glass Block (Vistabrik®).....	680.48	
04 23 13 00-0007	SF		4" x 8" x 3" Solid Glass Block (Vistabrik®).....	515.95	
04 23 13 00-0008	SF		6" x 8" x 3" Solid Glass Block (Vistabrik®).....	353.39	
04 23 13 00-0009	SF		8" x 8" x 3" Solid Glass Block (Vistabrik®).....	247.45	
<b>04 40</b>			<b>Stone Assemblies (04)</b>		
			Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.		
<b>04 41</b>			<b>Dry-Placed Stone (04 40)</b>		
<b>04 41 00 00-0001</b>			<b>Ashlar Veneer, Random Size, Square Cut Rough Stone (04 41)</b>		
04 41 00 00-0002	SF		4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone.....	24.74	7.44
04 41 00 00-0003	SF		6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone.....	25.17	7.44
<b>04 42</b>			<b>Exterior Stone Cladding (04 40)</b>		
<b>04 42 43</b>			<b>Stone Panels for Curtain Walls (04 42)</b>		
<b>04 42 43 00-0001</b>			<b>Marble Facing Panels (04 42 43)</b>		
			Note: 3' x 1.5'		
04 42 43 00-0002	SF		3/4" Thick Marble Facing Panels.....	65.06	16.31
04 42 43 00-0003	SF		7/8" Thick Marble Facing Panels.....	68.57	16.53
04 42 43 00-0004	SF		1-1/2" Thick Marble Facing Panels.....	78.83	16.85
04 42 43 00-0005	SF		2" Thick Marble Facing Panels.....	86.43	17.37
04 42 43 00-0006	SF		2-1/4" Thick Marble Facing Panels.....	92.10	18.42
04 42 43 00-0007	CF		Marble Face Panel.....	385.21	60.01
<b>04 42 43 00-0008</b>			<b>Smooth Limestone Panels (04 42 43)</b>		
			Note: Up to 12' x 5' panels.		
04 42 43 00-0009	SF		1-1/2" Thick Smooth Limestone Panels.....	56.17	32.74
04 42 43 00-0010	SF		2" Thick Smooth Limestone Panels.....	59.55	34.32
04 42 43 00-0011	SF		3" Thick Smooth Limestone Panels.....	63.10	35.90
04 42 43 00-0012	SF		4" Thick Smooth Limestone Panels.....	72.97	39.47
<b>04 42 43 00-0013</b>			<b>Sandstone Panels (04 42 43)</b>		
04 42 43 00-0014	SF		2-1/2" Thick Sandstone Panels.....	64.20	34.32
04 42 43 00-0015	SF		4" Thick Sandstone Panels.....	70.61	39.47
04 42 43 00-0016	SF		Split Face Sandstone Panels, Random Sizes.....	65.10	39.47
<b>04 43</b>			<b>Stone Masonry (04 40)</b>		
<b>04 43 16</b>			<b>Stone Fabrications (04 43)</b>		
<b>04 43 16 00-0001</b>			<b>Marble (04 43 16)</b>		
<b>04 43 16 00-0002</b>			<b>Marble Base (04 43 16 00-0001)</b>		
			Note: 1" thick.		
04 43 16 00-0003	LF		4" High Marble Base.....	102.27	65.91
04 43 16 00-0004	LF		6" High Marble Base.....	115.62	71.80
<b>04 43 16 00-0005</b>			<b>Marble Columns (04 43 16 00-0001)</b>		
04 43 16 00-0006	CF		Plain Faced Solid Marble Columns.....	268.87	60.01
04 43 16 00-0007	CF		Fluted, Carved Solid Marble Columns.....	439.80	60.01
<b>04 43 16 00-0008</b>			<b>Marble Flooring (04 43 16 00-0001)</b>		
04 43 16 00-0009	SF		3/8" Uniform Color Marble Flooring.....	28.22	15.09



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 43 16 00-0010 SF 1/2" Uniform Color Marble Flooring.....	30.12	15.09
04 43 16 00-0011 SF 1/2" Travertine Marble Flooring .....	35.98	17.23
<b>04 43 16 00-0012 Marble Items (04 43 16 00-0001)</b>		
04 43 16 00-0013 LF 12" Wide Marble Stair Treads.....	72.78	23.87
04 43 16 00-0014 LF 6" Wide Marble Stair Risers.....	55.56	19.13
04 43 16 00-0015 LF 6" Wide x 2" Thick Marble Window Sills.....	33.59	14.11
04 43 16 00-0016 LF 5" Wide x 7/8" Thick Marble Window Stool, Polished.....	63.90	17.32
04 43 16 00-0017 SF 7/8" Thick, Non Skid, Marble Patio Blocks.....	37.92	21.88
<b>04 43 16 00-0018 Limestone (04 43 16)</b>		
<b>04 43 16 00-0019 Ashlar Veneer Limestone (04 43 16 00-0018)</b>		
04 43 16 00-0020 SF 4" Ashlar Veneer Limestone, Random Sizes.....	56.59	23.87
04 43 16 00-0021 SF 6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes.....	85.68	32.79
<b>04 43 16 00-0022 Limestone Coping (04 43 16 00-0018)</b>		
Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.		
04 43 16 00-0023 SF 2-1/2" Thick Limestone Coping.....	27.48	8.42
04 43 16 00-0024 SF 3" Thick Limestone Coping.....	30.66	8.95
04 43 16 00-0025 SF 3-1/2" Thick Limestone Coping.....	33.83	9.47
04 43 16 00-0026 SF 4" Thick Limestone Coping.....	35.96	9.79
04 43 16 00-0027 SF 5" Thick Limestone Coping.....	41.26	10.00
04 43 16 00-0028 SF 6" Thick Limestone Coping.....	59.08	10.53
04 43 16 00-0029 CF >6" Thick Limestone Coping.....	97.27	21.43
<b>04 43 16 00-0030 Limestone Stair Treads (04 43 16 00-0018)</b>		
04 43 16 00-0031 SF 2" Thick Limestone Treads.....	33.31	7.89
04 43 16 00-0032 SF 2-1/2" Thick Limestone Treads.....	35.36	8.42
04 43 16 00-0033 SF 3" Thick Limestone Treads.....	39.50	8.95
04 43 16 00-0034 SF 3-1/2" Thick Limestone Treads.....	42.56	9.47
04 43 16 00-0035 SF 4" Thick Limestone Treads.....	45.64	9.47
04 43 16 00-0036 SF 5" Thick Limestone Treads.....	49.68	10.00
04 43 16 00-0037 SF 6" Thick Limestone Tread, Smooth Finish.....	67.70	10.53
<b>04 43 16 00-0038 Limestone Items (04 43 16 00-0018)</b>		
04 43 16 00-0039 CF Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim.....	172.94	80.37
<b>04 43 16 00-0040 Granite (04 43 16)</b>		
<b>04 43 16 00-0041 Polished Granite Veneer Facing Panels (04 43 16 00-0040)</b>		
Note: Excludes structural support steel.		
04 43 16 00-0042 SF 7/8" Thick Black Polished Granite Veneer Facing Panels.....	91.94	32.95
04 43 16 00-0043 SF 7/8" Thick Gray Polished Granite Veneer Facing Panels.....	84.34	32.95
<b>04 43 16 00-0044 Granite Stair Treads (04 43 16 00-0040)</b>		
04 43 16 00-0045 SF 2" Thick Granite Stair Tread.....	53.56	7.89
<b>04 43 16 00-0046 Slate (04 43 16)</b>		
<b>04 43 16 00-0047 Slate Panels Or Sills (04 43 16 00-0046)</b>		
04 43 16 00-0048 SF 1" Thick Slate Panels.....	57.90	32.95
04 43 16 00-0049 SF 2" Thick Slate Panels.....	66.96	32.95
<b>04 43 16 00-0050 Slate Sills Or Stools (04 43 16 00-0046)</b>		
04 43 16 00-0051 LF 6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	26.34	14.20
04 43 16 00-0052 LF 10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	32.10	14.20
04 43 16 00-0053 LF 6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	31.29	14.20
04 43 16 00-0054 LF 10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	43.65	14.20
<b>04 43 16 00-0055 Slate Stair Treads (04 43 16 00-0046)</b>		
04 43 16 00-0056 SF 2" Thick Slate Stair Tread.....	38.91	7.89
<b>04 50 Refractory Masonry (04)</b>		
<b>04 51 Flue Liner Masonry (04 50)</b>		
Note: Includes mortar joints.		
<b>04 51 00 00-0001 Rectangular Flue Liners (04 51)</b>		

<b>04</b>	<b>04</b>	<b>Masonry</b>
	<b>04 50</b>	<b>Refractory Masonry</b>
	<b>04 51</b>	<b>Flue Liner Masonry</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	04 51 00 00-0002	VLF	4" x 8" Clay Flue Liners.....	18.92	
	04 51 00 00-0003	VLF	8" x 8" Clay Flue Liners.....	26.25	
	04 51 00 00-0004	VLF	8" x 12" Clay Flue Liners.....	29.88	
	04 51 00 00-0005	VLF	12" x 12" Clay Flue Liners.....	37.22	
	04 51 00 00-0006	VLF	12" x 16" Clay Flue Liners.....	45.60	
	04 51 00 00-0007	VLF	12" x 18" Clay Flue Liners.....	51.91	
	04 51 00 00-0008	VLF	16" x 16" Clay Flue Liners.....	56.56	
	04 51 00 00-0009	VLF	16" x 20" Clay Flue Liners.....	70.00	
	04 51 00 00-0010	VLF	18" x 18" Clay Flue Liners.....	74.80	
	04 51 00 00-0011	VLF	20" x 20" Clay Flue Liners.....	96.54	
	04 51 00 00-0012	VLF	20" x 24" Clay Flue Liners.....	105.19	
	04 51 00 00-0013	VLF	24" x 24" Clay Flue Liners.....	124.88	
<b>04 51 00 00-0014</b>	<b>Round Flue Liners (04 51)</b>				
	04 51 00 00-0015	VLF	6" Diameter Clay Flue Liners.....	46.60	
	04 51 00 00-0016	VLF	8" Diameter Clay Flue Liners.....	68.18	
	04 51 00 00-0017	VLF	10" Diameter Clay Flue Liners.....	89.87	
	04 51 00 00-0018	VLF	12" Diameter Clay Flue Liners.....	109.59	
	04 51 00 00-0019	VLF	15" Diameter Clay Flue Liners.....	134.60	
	04 51 00 00-0020	VLF	18" Diameter Clay Flue Liners.....	145.51	
	04 51 00 00-0021	VLF	21" Diameter Clay Flue Liners.....	185.75	
	04 51 00 00-0022	VLF	24" Diameter Clay Flue Liners.....	228.19	
	04 51 00 00-0023	VLF	27" Diameter Clay Flue Liners.....	263.37	
	04 51 00 00-0024	VLF	30" Diameter Clay Flue Liners.....	299.60	
	04 51 00 00-0025	VLF	33" Diameter Clay Flue Liners.....	314.07	
	04 51 00 00-0026	VLF	36" Diameter Clay Flue Liners.....	320.25	
<b>04 51 00 00-0027</b>	<b>Standard Chimney Block (04 51)</b>				
	Note: Includes refractory mortar. Excludes flue liners.				
	04 51 00 00-0028	EA	14" x 14" x 8" Concrete Block Chimney Unit.....	30.52	
	04 51 00 00-0029	EA	14" x 18" x 8" Concrete Block Chimney Unit.....	33.51	
	04 51 00 00-0030	EA	16" x 16" x 8" Concrete Block Chimney Unit.....	33.73	
	04 51 00 00-0031	EA	17" x 17" x 8" Concrete Block Chimney Unit.....	35.41	
	04 51 00 00-0032	EA	16" x 20" x 8" Concrete Block Chimney Unit.....	37.30	
	04 51 00 00-0033	EA	17" x 21" x 8" Concrete Block Chimney Unit.....	39.34	
	04 51 00 00-0034	EA	21" x 21" x 8" Concrete Block Chimney Unit.....	44.49	
<b>04 70</b>	<b>Manufactured Masonry (04)</b>				
<b>04 72</b>	<b>Cast Stone Masonry (04 70)</b>				
<b>04 72 00 00-0001</b>	<b>Precast Concrete Lintels (04 72)</b>				
<b>04 72 00 00-0002</b>	<b>Solid Precast Concrete Lintels (04 72 00 00-0001)</b>				
	04 72 00 00-0003	LF	4" x 8", Solid Precast Concrete Lintel.....	16.78	
	04 72 00 00-0004	LF	6" x 8", Solid Precast Concrete Lintel.....	21.55	
	04 72 00 00-0005	LF	8" x 8", Solid Precast Concrete Lintel.....	26.72	
<b>04 72 00 00-0006</b>	<b>U Shaped Precast Concrete Lintels (04 72 00 00-0001)</b>				
	Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.				
	04 72 00 00-0007	LF	6" x 8", U Shaped Precast Concrete Lintel.....	18.01	
	04 72 00 00-0008	LF	8" x 8", U Shaped Precast Concrete Lintel.....	21.92	
	04 72 00 00-0009	LF	12" x 8", U Shaped Precast Concrete Lintel.....	36.45	
<b>04 72 00 00-0010</b>	<b>Precast Concrete Coping (04 72)</b>				
	Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.				
<b>04 72 00 00-0011</b>	<b>Precast Concrete Coping (04 72 00 00-0010)</b>				
	Note: Measured at highest point.				
	04 72 00 00-0012	SF	2" Thick Precast Concrete Coping.....	43.42	11.61
	04 72 00 00-0013	SF	2-1/2" Thick Precast Concrete Coping.....	47.91	12.50
	04 72 00 00-0014	SF	3" Thick Precast Concrete Coping.....	54.81	13.39
	04 72 00 00-0015	SF	3-1/2" Thick Precast Concrete Coping.....	58.30	14.29
	04 72 00 00-0016	SF	4" Thick Precast Concrete Coping.....	61.82	15.18
	04 72 00 00-0017	SF	5" Thick Precast Concrete Coping.....	72.43	16.08
	04 72 00 00-0018	SF	6" Thick Precast Concrete Coping.....	81.55	16.97
<b>04 72 00 00-0019</b>	<b>Precast Concrete Window Sills (04 72)</b>				
	Note: Includes caulk and ties.				
<b>04 72 00 00-0020</b>	<b>Precast Concrete Window Sills (04 72 00 00-0019)</b>				
	04 72 00 00-0021	LF	6" Wide Precast Concrete Window Sill.....	31.28	8.93
	04 72 00 00-0022	LF	10" Wide Precast Concrete Window Sill.....	44.49	8.93
	04 72 00 00-0023	LF	14" Wide Precast Concrete Window Sill.....	51.50	8.93





	<b>Masonry</b>	<b>04</b>	<b>04</b>
	Manufactured Masonry	04 70	
	Cast Stone Masonry	04 72	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**END OF SECTION 04**

04	<b>04</b>	<b>Masonry</b>
	04 70	Manufactured Masonry
	04 72	Cast Stone Masonry



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 05 Metals

05 05 Common Work Results for Metals<sup>(05)</sup>05 05 19 Post-Installed Concrete Anchors<sup>(05 05)</sup>

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001	Concrete And Masonry Anchors <sup>(05 05 19)</sup>		
05 05 19 00-0002	Expansion Anchors <sup>(05 05 19 00-0001)</sup> Note: Includes drilling.		
05 05 19 00-0003	Wedge Expansion Bolt Anchors <sup>(05 05 19 00-0002)</sup>		
05 05 19 00-0004	Zinc Plated Steel, Wedge Anchor Expansion Bolt <sup>(05 05 19 00-0003)</sup> Note: Includes nut and washer.		
05 05 19 00-0005	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	11.35	
	For >10 To 50, Deduct	-0.54	
	For >50 To 100, Deduct	-1.09	
	For >100, Deduct	-2.18	
05 05 19 00-0006	EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	11.45	
	For >10 To 50, Deduct	-0.54	
	For >50 To 100, Deduct	-1.09	
	For >100, Deduct	-2.19	
05 05 19 00-0007	EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	11.79	
	For >10 To 50, Deduct	-0.55	
	For >50 To 100, Deduct	-1.12	
	For >100, Deduct	-2.25	
05 05 19 00-0008	EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	13.92	
	For >10 To 50, Deduct	-0.65	
	For >50 To 100, Deduct	-1.33	
	For >100, Deduct	-2.66	
05 05 19 00-0009	EA 3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	13.99	
	For >10 To 50, Deduct	-0.65	
	For >50 To 100, Deduct	-1.33	
	For >100, Deduct	-2.66	
05 05 19 00-0010	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	14.01	
	For >10 To 50, Deduct	-0.65	
	For >50 To 100, Deduct	-1.33	
	For >100, Deduct	-2.66	
05 05 19 00-0011	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	14.28	
	For >10 To 50, Deduct	-0.65	
	For >50 To 100, Deduct	-1.34	
	For >100, Deduct	-2.67	
05 05 19 00-0012	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	20.12	
	For >10 To 50, Deduct	-0.93	
	For >50 To 100, Deduct	-1.90	
	For >100, Deduct	-3.80	
05 05 19 00-0013	EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	20.18	
	For >10 To 50, Deduct	-0.93	
	For >50 To 100, Deduct	-1.90	
	For >100, Deduct	-3.80	
05 05 19 00-0014	EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	20.29	
	For >10 To 50, Deduct	-0.93	
	For >50 To 100, Deduct	-1.90	
	For >100, Deduct	-3.80	
05 05 19 00-0015	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	20.59	
	For >10 To 50, Deduct	-0.93	
	For >50 To 100, Deduct	-1.91	
	For >100, Deduct	-3.82	
05 05 19 00-0016	EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	21.01	
	For >10 To 50, Deduct	-0.93	
	For >50 To 100, Deduct	-1.92	
	For >100, Deduct	-3.84	
05 05 19 00-0017	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	26.03	
	For >10 To 50, Deduct	-1.15	
	For >50 To 100, Deduct	-2.37	
	For >100, Deduct	-4.75	
05 05 19 00-0018	EA 5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	26.12	
	For >10 To 50, Deduct	-1.15	
	For >50 To 100, Deduct	-2.38	
	For >100, Deduct	-4.75	
05 05 19 00-0019	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	26.31	
	For >10 To 50, Deduct	-1.15	
	For >50 To 100, Deduct	-2.38	
	For >100, Deduct	-4.76	
05 05 19 00-0020	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	26.68	
	For >10 To 50, Deduct	-1.15	
	For >50 To 100, Deduct	-2.39	
	For >100, Deduct	-4.78	
05 05 19 00-0021	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	27.05	
	For >10 To 50, Deduct	-1.15	
	For >50 To 100, Deduct	-2.40	
	For >100, Deduct	-4.80	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0022	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	29.97	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.47	
			<i>For &gt;100, Deduct</i>	-4.94	
05 05 19 00-0023	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	32.47	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.53	
			<i>For &gt;100, Deduct</i>	-5.07	
05 05 19 00-0024	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	31.36	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.83	
			<i>For &gt;100, Deduct</i>	-5.66	
05 05 19 00-0025	EA		3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	31.44	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.83	
			<i>For &gt;100, Deduct</i>	-5.67	
05 05 19 00-0026	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	31.89	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.85	
			<i>For &gt;100, Deduct</i>	-5.69	
05 05 19 00-0027	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	32.43	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.86	
			<i>For &gt;100, Deduct</i>	-5.72	
05 05 19 00-0028	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	33.04	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.87	
			<i>For &gt;100, Deduct</i>	-5.75	
05 05 19 00-0029	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	35.39	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.93	
			<i>For &gt;100, Deduct</i>	-5.87	
05 05 19 00-0030	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	38.50	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-3.01	
			<i>For &gt;100, Deduct</i>	-6.02	
05 05 19 00-0031	EA		3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	42.02	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-3.10	
			<i>For &gt;100, Deduct</i>	-6.20	
05 05 19 00-0032	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	41.22	
			<i>For &gt;10 To 50, Deduct</i>	-1.48	
			<i>For &gt;50 To 100, Deduct</i>	-3.25	
			<i>For &gt;100, Deduct</i>	-6.51	
05 05 19 00-0033	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	43.07	
			<i>For &gt;10 To 50, Deduct</i>	-1.48	
			<i>For &gt;50 To 100, Deduct</i>	-3.30	
			<i>For &gt;100, Deduct</i>	-6.60	
05 05 19 00-0034	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	45.52	
			<i>For &gt;10 To 50, Deduct</i>	-1.48	
			<i>For &gt;50 To 100, Deduct</i>	-3.36	
			<i>For &gt;100, Deduct</i>	-6.72	
05 05 19 00-0035	EA		1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	51.24	
			<i>For &gt;10 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-4.16	
			<i>For &gt;100, Deduct</i>	-8.32	
05 05 19 00-0036	EA		1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	54.72	
			<i>For &gt;10 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-4.25	
			<i>For &gt;100, Deduct</i>	-8.49	
05 05 19 00-0037	EA		1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	58.17	
			<i>For &gt;10 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-4.33	
			<i>For &gt;100, Deduct</i>	-8.66	
05 05 19 00-0038	EA		1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	66.65	
			<i>For &gt;10 To 50, Deduct</i>	-2.46	
			<i>For &gt;50 To 100, Deduct</i>	-5.35	
			<i>For &gt;100, Deduct</i>	-10.70	
05 05 19 00-0039	EA		1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	69.13	
			<i>For &gt;10 To 50, Deduct</i>	-2.46	
			<i>For &gt;50 To 100, Deduct</i>	-5.41	
			<i>For &gt;100, Deduct</i>	-10.82	
05 05 19 00-0040			<b>304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt</b> <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0041	EA		1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.41	
			<i>For &gt;10 To 50, Deduct</i>	-0.54	
			<i>For &gt;50 To 100, Deduct</i>	-1.12	
			<i>For &gt;100, Deduct</i>	-2.23	
05 05 19 00-0042	EA		1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.80	
			<i>For &gt;10 To 50, Deduct</i>	-0.54	
			<i>For &gt;50 To 100, Deduct</i>	-1.13	
			<i>For &gt;100, Deduct</i>	-2.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0043 EA 1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.32	
For >10 To 50, Deduct	-0.55	
For >50 To 100, Deduct	-1.16	
For >100, Deduct	-2.32	
05 05 19 00-0044 EA 3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.86	
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.38	
For >100, Deduct	-2.76	
05 05 19 00-0045 EA 3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.19	
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.39	
For >100, Deduct	-2.77	
05 05 19 00-0046 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.42	
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.39	
For >100, Deduct	-2.78	
05 05 19 00-0047 EA 3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	18.22	
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.44	
For >100, Deduct	-2.87	
05 05 19 00-0048 EA 1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	24.42	
For >10 To 50, Deduct	-0.93	
For >50 To 100, Deduct	-2.01	
For >100, Deduct	-4.01	
05 05 19 00-0049 EA 1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	25.04	
For >10 To 50, Deduct	-0.93	
For >50 To 100, Deduct	-2.02	
For >100, Deduct	-4.04	
05 05 19 00-0050 EA 1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	25.40	
For >10 To 50, Deduct	-0.93	
For >50 To 100, Deduct	-2.03	
For >100, Deduct	-4.06	
05 05 19 00-0051 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	27.04	
For >10 To 50, Deduct	-0.93	
For >50 To 100, Deduct	-2.07	
For >100, Deduct	-4.14	
05 05 19 00-0052 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	29.50	
For >10 To 50, Deduct	-0.93	
For >50 To 100, Deduct	-2.13	
For >100, Deduct	-4.27	
05 05 19 00-0053 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	34.76	
For >10 To 50, Deduct	-1.15	
For >50 To 100, Deduct	-2.59	
For >100, Deduct	-5.18	
05 05 19 00-0054 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	36.36	
For >10 To 50, Deduct	-1.15	
For >50 To 100, Deduct	-2.63	
For >100, Deduct	-5.26	
05 05 19 00-0055 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	38.10	
For >10 To 50, Deduct	-1.15	
For >50 To 100, Deduct	-2.67	
For >100, Deduct	-5.35	
05 05 19 00-0056 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	40.40	
For >10 To 50, Deduct	-1.15	
For >50 To 100, Deduct	-2.73	
For >100, Deduct	-5.46	
05 05 19 00-0057 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	50.51	
For >10 To 50, Deduct	-1.15	
For >50 To 100, Deduct	-2.98	
For >100, Deduct	-5.97	
05 05 19 00-0058 EA 3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	41.48	
For >10 To 50, Deduct	-1.37	
For >50 To 100, Deduct	-3.09	
For >100, Deduct	-6.17	
05 05 19 00-0059 EA 3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	44.74	
For >10 To 50, Deduct	-1.37	
For >50 To 100, Deduct	-3.17	
For >100, Deduct	-6.33	
05 05 19 00-0060 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	47.52	
For >10 To 50, Deduct	-1.37	
For >50 To 100, Deduct	-3.24	
For >100, Deduct	-6.47	
05 05 19 00-0061 EA 3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	47.86	
For >10 To 50, Deduct	-1.37	
For >50 To 100, Deduct	-3.24	
For >100, Deduct	-6.49	
05 05 19 00-0062 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	50.47	
For >10 To 50, Deduct	-1.37	
For >50 To 100, Deduct	-3.31	
For >100, Deduct	-6.62	
05 05 19 00-0063 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	57.25	
For >10 To 50, Deduct	-1.37	
For >50 To 100, Deduct	-3.48	
For >100, Deduct	-6.96	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0064	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	66.81	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-3.72	
			<i>For &gt;100, Deduct</i>	-7.44	
05 05 19 00-0065	EA		7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	67.35	
			<i>For &gt;10 To 50, Deduct</i>	-1.48	
			<i>For &gt;50 To 100, Deduct</i>	-3.91	
			<i>For &gt;100, Deduct</i>	-7.81	
05 05 19 00-0066	EA		1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	97.51	
			<i>For &gt;10 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-5.31	
			<i>For &gt;100, Deduct</i>	-10.63	
05 05 19 00-0067	EA		1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	111.64	
			<i>For &gt;10 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-5.67	
			<i>For &gt;100, Deduct</i>	-11.34	
<b>05 05 19 00-0068</b>			<b>316 Stainless Steel, Wedge Anchor Expansion Bolt</b> <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0069	EA		1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.74	
			<i>For &gt;10 To 50, Deduct</i>	-0.54	
			<i>For &gt;50 To 100, Deduct</i>	-1.13	
			<i>For &gt;100, Deduct</i>	-2.25	
05 05 19 00-0070	EA		1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.46	
			<i>For &gt;10 To 50, Deduct</i>	-0.55	
			<i>For &gt;50 To 100, Deduct</i>	-1.16	
			<i>For &gt;100, Deduct</i>	-2.33	
05 05 19 00-0071	EA		3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.93	
			<i>For &gt;10 To 50, Deduct</i>	-0.65	
			<i>For &gt;50 To 100, Deduct</i>	-1.40	
			<i>For &gt;100, Deduct</i>	-2.81	
05 05 19 00-0072	EA		3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.50	
			<i>For &gt;10 To 50, Deduct</i>	-0.65	
			<i>For &gt;50 To 100, Deduct</i>	-1.42	
			<i>For &gt;100, Deduct</i>	-2.84	
05 05 19 00-0073	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.64	
			<i>For &gt;10 To 50, Deduct</i>	-0.65	
			<i>For &gt;50 To 100, Deduct</i>	-1.42	
			<i>For &gt;100, Deduct</i>	-2.84	
05 05 19 00-0074	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.35	
			<i>For &gt;10 To 50, Deduct</i>	-0.65	
			<i>For &gt;50 To 100, Deduct</i>	-1.49	
			<i>For &gt;100, Deduct</i>	-2.98	
05 05 19 00-0075	EA		1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	27.02	
			<i>For &gt;10 To 50, Deduct</i>	-0.93	
			<i>For &gt;50 To 100, Deduct</i>	-2.07	
			<i>For &gt;100, Deduct</i>	-4.14	
05 05 19 00-0076	EA		1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	28.59	
			<i>For &gt;10 To 50, Deduct</i>	-0.93	
			<i>For &gt;50 To 100, Deduct</i>	-2.11	
			<i>For &gt;100, Deduct</i>	-4.22	
05 05 19 00-0077	EA		1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	31.45	
			<i>For &gt;10 To 50, Deduct</i>	-0.93	
			<i>For &gt;50 To 100, Deduct</i>	-2.18	
			<i>For &gt;100, Deduct</i>	-4.36	
05 05 19 00-0078	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.16	
			<i>For &gt;10 To 50, Deduct</i>	-0.93	
			<i>For &gt;50 To 100, Deduct</i>	-2.20	
			<i>For &gt;100, Deduct</i>	-4.40	
05 05 19 00-0079	EA		5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	43.52	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.81	
			<i>For &gt;100, Deduct</i>	-5.62	
05 05 19 00-0080	EA		5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	44.38	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.83	
			<i>For &gt;100, Deduct</i>	-5.66	
05 05 19 00-0081	EA		3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	53.74	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-3.39	
			<i>For &gt;100, Deduct</i>	-6.78	
05 05 19 00-0082	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	57.31	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-3.48	
			<i>For &gt;100, Deduct</i>	-6.96	
<b>05 05 19 00-0083</b>			<b>Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt</b> <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0084	EA		1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	22.49	
			<i>For &gt;10 To 50, Deduct</i>	-0.93	
			<i>For &gt;50 To 100, Deduct</i>	-1.96	
			<i>For &gt;100, Deduct</i>	-3.91	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0085	EA			1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	23.52	
				<i>For &gt;10 To 50, Deduct</i>	-0.93	
				<i>For &gt;50 To 100, Deduct</i>	-1.98	
				<i>For &gt;100, Deduct</i>	-3.97	
05 05 19 00-0086	EA			1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	24.54	
				<i>For &gt;10 To 50, Deduct</i>	-0.93	
				<i>For &gt;50 To 100, Deduct</i>	-2.01	
				<i>For &gt;100, Deduct</i>	-4.02	
05 05 19 00-0087	EA			1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	25.06	
				<i>For &gt;10 To 50, Deduct</i>	-0.93	
				<i>For &gt;50 To 100, Deduct</i>	-2.02	
				<i>For &gt;100, Deduct</i>	-4.04	
05 05 19 00-0088	EA			5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	30.34	
				<i>For &gt;10 To 50, Deduct</i>	-1.15	
				<i>For &gt;50 To 100, Deduct</i>	-2.48	
				<i>For &gt;100, Deduct</i>	-4.96	
05 05 19 00-0089	EA			5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	29.11	
				<i>For &gt;10 To 50, Deduct</i>	-1.15	
				<i>For &gt;50 To 100, Deduct</i>	-2.45	
				<i>For &gt;100, Deduct</i>	-4.90	
05 05 19 00-0090	EA			3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	38.80	
				<i>For &gt;10 To 50, Deduct</i>	-1.37	
				<i>For &gt;50 To 100, Deduct</i>	-3.02	
				<i>For &gt;100, Deduct</i>	-6.04	
05 05 19 00-0091	EA			3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	39.93	
				<i>For &gt;10 To 50, Deduct</i>	-1.37	
				<i>For &gt;50 To 100, Deduct</i>	-3.05	
				<i>For &gt;100, Deduct</i>	-6.09	
05 05 19 00-0092	EA			3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	45.48	
				<i>For &gt;10 To 50, Deduct</i>	-1.37	
				<i>For &gt;50 To 100, Deduct</i>	-3.19	
				<i>For &gt;100, Deduct</i>	-6.37	
05 05 19 00-0093	EA			1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	50.17	
				<i>For &gt;10 To 50, Deduct</i>	-1.92	
				<i>For &gt;50 To 100, Deduct</i>	-4.13	
				<i>For &gt;100, Deduct</i>	-8.26	
05 05 19 00-0094	EA			1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	53.37	
				<i>For &gt;10 To 50, Deduct</i>	-1.92	
				<i>For &gt;50 To 100, Deduct</i>	-4.21	
				<i>For &gt;100, Deduct</i>	-8.42	
05 05 19 00-0095	EA			1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	56.53	
				<i>For &gt;10 To 50, Deduct</i>	-1.92	
				<i>For &gt;50 To 100, Deduct</i>	-4.29	
				<i>For &gt;100, Deduct</i>	-8.58	
<b>05 05 19 00-0096</b>				<b>Concrete Sleeve Anchors</b> <small>(05 05 19 00-0002)</small>		
<b>05 05 19 00-0097</b>				<b>Zinc Plated Steel, Concrete Sleeve Anchors</b> <small>(05 05 19 00-0096)</small>		
				Note: Includes nut and washer.		
05 05 19 00-0098	EA			1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	11.43	
				<i>For &gt;10 To 50, Deduct</i>	-0.55	
				<i>For &gt;50 To 100, Deduct</i>	-1.11	
				<i>For &gt;100, Deduct</i>	-2.22	
05 05 19 00-0099	EA			1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	11.56	
				<i>For &gt;10 To 50, Deduct</i>	-0.55	
				<i>For &gt;50 To 100, Deduct</i>	-1.11	
				<i>For &gt;100, Deduct</i>	-2.23	
05 05 19 00-0100	EA			1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	11.72	
				<i>For &gt;10 To 50, Deduct</i>	-0.55	
				<i>For &gt;50 To 100, Deduct</i>	-1.12	
				<i>For &gt;100, Deduct</i>	-2.23	
05 05 19 00-0101	EA			5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	12.04	
				<i>For &gt;10 To 50, Deduct</i>	-0.58	
				<i>For &gt;50 To 100, Deduct</i>	-1.17	
				<i>For &gt;100, Deduct</i>	-2.33	
05 05 19 00-0102	EA			5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	12.16	
				<i>For &gt;10 To 50, Deduct</i>	-0.58	
				<i>For &gt;50 To 100, Deduct</i>	-1.17	
				<i>For &gt;100, Deduct</i>	-2.34	
05 05 19 00-0103	EA			3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	13.64	
				<i>For &gt;10 To 50, Deduct</i>	-0.65	
				<i>For &gt;50 To 100, Deduct</i>	-1.32	
				<i>For &gt;100, Deduct</i>	-2.64	
05 05 19 00-0104	EA			3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	13.86	
				<i>For &gt;10 To 50, Deduct</i>	-0.65	
				<i>For &gt;50 To 100, Deduct</i>	-1.33	
				<i>For &gt;100, Deduct</i>	-2.65	
05 05 19 00-0105	EA			3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	14.08	
				<i>For &gt;10 To 50, Deduct</i>	-0.65	
				<i>For &gt;50 To 100, Deduct</i>	-1.33	
				<i>For &gt;100, Deduct</i>	-2.66	
05 05 19 00-0106	EA			1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	19.62	
				<i>For &gt;10 To 50, Deduct</i>	-0.93	
				<i>For &gt;50 To 100, Deduct</i>	-1.88	
				<i>For &gt;100, Deduct</i>	-3.77	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0107	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	19.90	
			<i>For &gt;10 To 50, Deduct</i>	-0.93	
			<i>For &gt;50 To 100, Deduct</i>	-1.89	
			<i>For &gt;100, Deduct</i>	-3.78	
05 05 19 00-0108	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	20.15	
			<i>For &gt;10 To 50, Deduct</i>	-0.93	
			<i>For &gt;50 To 100, Deduct</i>	-1.90	
			<i>For &gt;100, Deduct</i>	-3.79	
05 05 19 00-0109	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	20.44	
			<i>For &gt;10 To 50, Deduct</i>	-0.93	
			<i>For &gt;50 To 100, Deduct</i>	-1.90	
			<i>For &gt;100, Deduct</i>	-3.81	
05 05 19 00-0110	EA		5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	24.56	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.34	
			<i>For &gt;100, Deduct</i>	-4.67	
05 05 19 00-0111	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	24.99	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.35	
			<i>For &gt;100, Deduct</i>	-4.69	
05 05 19 00-0112	EA		5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	25.31	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.35	
			<i>For &gt;100, Deduct</i>	-4.71	
05 05 19 00-0113	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	26.23	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.38	
			<i>For &gt;100, Deduct</i>	-4.75	
05 05 19 00-0114	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	30.00	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.80	
			<i>For &gt;100, Deduct</i>	-5.60	
05 05 19 00-0115	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	30.79	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.82	
			<i>For &gt;100, Deduct</i>	-5.64	
05 05 19 00-0116	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	31.51	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.84	
			<i>For &gt;100, Deduct</i>	-5.67	
05 05 19 00-0117	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	32.65	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.86	
			<i>For &gt;100, Deduct</i>	-5.73	
<b>05 05 19 00-0118</b>			<b>304/18-8 Stainless Steel, Concrete Sleeve Anchors</b> <small>(05 05 19 00-0096)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0119	EA		1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	13.04	
			<i>For &gt;10 To 50, Deduct</i>	-0.55	
			<i>For &gt;50 To 100, Deduct</i>	-1.15	
			<i>For &gt;100, Deduct</i>	-2.30	
05 05 19 00-0120	EA		3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	16.91	
			<i>For &gt;10 To 50, Deduct</i>	-0.65	
			<i>For &gt;50 To 100, Deduct</i>	-1.40	
			<i>For &gt;100, Deduct</i>	-2.81	
05 05 19 00-0121	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	18.43	
			<i>For &gt;10 To 50, Deduct</i>	-0.65	
			<i>For &gt;50 To 100, Deduct</i>	-1.44	
			<i>For &gt;100, Deduct</i>	-2.88	
05 05 19 00-0122	EA		1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	25.09	
			<i>For &gt;10 To 50, Deduct</i>	-0.93	
			<i>For &gt;50 To 100, Deduct</i>	-2.02	
			<i>For &gt;100, Deduct</i>	-4.04	
05 05 19 00-0123	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	27.83	
			<i>For &gt;10 To 50, Deduct</i>	-0.93	
			<i>For &gt;50 To 100, Deduct</i>	-2.09	
			<i>For &gt;100, Deduct</i>	-4.18	
05 05 19 00-0124	EA		5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	37.84	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.67	
			<i>For &gt;100, Deduct</i>	-5.33	
<b>05 05 19 00-0125</b>			<b>Concrete Strike Anchors</b> <small>(05 05 19 00-0002)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0126	EA		1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor .....	12.07	
			<i>For &gt;10 To 50, Deduct</i>	-0.55	
			<i>For &gt;50 To 100, Deduct</i>	-1.13	
			<i>For &gt;100, Deduct</i>	-2.25	
05 05 19 00-0127	EA		1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor .....	12.30	
			<i>For &gt;10 To 50, Deduct</i>	-0.55	
			<i>For &gt;50 To 100, Deduct</i>	-1.13	
			<i>For &gt;100, Deduct</i>	-2.26	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 05 19 00-0128	EA		5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor ..... 12.84 <i>For &gt;10 To 50, Deduct</i> -0.58 <i>For &gt;50 To 100, Deduct</i> -1.19 <i>For &gt;100, Deduct</i> -2.37		
	05 05 19 00-0129	EA		5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor ..... 13.77 <i>For &gt;10 To 50, Deduct</i> -0.58 <i>For &gt;50 To 100, Deduct</i> -1.21 <i>For &gt;100, Deduct</i> -2.42		
	05 05 19 00-0130	EA		3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor ..... 14.65 <i>For &gt;10 To 50, Deduct</i> -0.65 <i>For &gt;50 To 100, Deduct</i> -1.35 <i>For &gt;100, Deduct</i> -2.69		
	05 05 19 00-0131	EA		3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor ..... 15.34 <i>For &gt;10 To 50, Deduct</i> -0.65 <i>For &gt;50 To 100, Deduct</i> -1.36 <i>For &gt;100, Deduct</i> -2.73		
	05 05 19 00-0132	EA		3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor ..... 15.88 <i>For &gt;10 To 50, Deduct</i> -0.65 <i>For &gt;50 To 100, Deduct</i> -1.38 <i>For &gt;100, Deduct</i> -2.75		
	05 05 19 00-0133	EA		1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor ..... 21.34 <i>For &gt;10 To 50, Deduct</i> -0.93 <i>For &gt;50 To 100, Deduct</i> -1.93 <i>For &gt;100, Deduct</i> -3.85		
	05 05 19 00-0134	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor ..... 21.76 <i>For &gt;10 To 50, Deduct</i> -0.93 <i>For &gt;50 To 100, Deduct</i> -1.94 <i>For &gt;100, Deduct</i> -3.88		
	05 05 19 00-0135	EA		1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor ..... 22.98 <i>For &gt;10 To 50, Deduct</i> -0.93 <i>For &gt;50 To 100, Deduct</i> -1.97 <i>For &gt;100, Deduct</i> -3.94		
	05 05 19 00-0136	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor ..... 24.56 <i>For &gt;10 To 50, Deduct</i> -0.93 <i>For &gt;50 To 100, Deduct</i> -2.01 <i>For &gt;100, Deduct</i> -4.02		
	05 05 19 00-0137	EA		5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor ..... 28.22 <i>For &gt;10 To 50, Deduct</i> -1.15 <i>For &gt;50 To 100, Deduct</i> -2.43 <i>For &gt;100, Deduct</i> -4.85		
	05 05 19 00-0138	EA		5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor ..... 29.68 <i>For &gt;10 To 50, Deduct</i> -1.15 <i>For &gt;50 To 100, Deduct</i> -2.46 <i>For &gt;100, Deduct</i> -4.93		
	05 05 19 00-0139	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor ..... 30.96 <i>For &gt;10 To 50, Deduct</i> -1.15 <i>For &gt;50 To 100, Deduct</i> -2.50 <i>For &gt;100, Deduct</i> -4.99		
	05 05 19 00-0140	EA		3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor ..... 36.07 <i>For &gt;10 To 50, Deduct</i> -1.37 <i>For &gt;50 To 100, Deduct</i> -2.95 <i>For &gt;100, Deduct</i> -5.90		
	05 05 19 00-0141	EA		3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor ..... 37.44 <i>For &gt;10 To 50, Deduct</i> -1.37 <i>For &gt;50 To 100, Deduct</i> -2.98 <i>For &gt;100, Deduct</i> -5.97		
	05 05 19 00-0142			<b>Multi-Set Drop-In Anchors</b> <small>(05 05 19 00-0002)</small>		
	05 05 19 00-0143			<b>Zinc Plated Steel, Multi-Set Drop-In Anchors</b> <small>(05 05 19 00-0142)</small> Note: Excludes bolt, nut and washer.		
	05 05 19 00-0144	EA		1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor ..... 15.88 <i>For &gt;10 To 50, Deduct</i> -0.77 <i>For &gt;50 To 100, Deduct</i> -1.54 <i>For &gt;100, Deduct</i> -3.09		
	05 05 19 00-0145	EA		3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor ..... 19.42 <i>For &gt;10 To 50, Deduct</i> -0.93 <i>For &gt;50 To 100, Deduct</i> -1.89 <i>For &gt;100, Deduct</i> -3.77		
	05 05 19 00-0146	EA		1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor ..... 23.61 <i>For &gt;10 To 50, Deduct</i> -1.10 <i>For &gt;50 To 100, Deduct</i> -2.24 <i>For &gt;100, Deduct</i> -4.48		
	05 05 19 00-0147	EA		5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor ..... 26.71 <i>For &gt;10 To 50, Deduct</i> -1.21 <i>For &gt;50 To 100, Deduct</i> -2.48 <i>For &gt;100, Deduct</i> -4.96		
	05 05 19 00-0148	EA		3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor ..... 31.89 <i>For &gt;10 To 50, Deduct</i> -1.37 <i>For &gt;50 To 100, Deduct</i> -2.86 <i>For &gt;100, Deduct</i> -5.72		
	05 05 19 00-0149			<b>304/18-8 Stainless Steel, Multi-Set Drop-In Anchors</b> <small>(05 05 19 00-0142)</small> Note: Excludes bolt, nut and washer.		

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 19 00-0150	EA 1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	19.15	
	<i>For &gt;10 To 50, Deduct</i>	-0.77	
	<i>For &gt;50 To 100, Deduct</i>	-1.63	
	<i>For &gt;100, Deduct</i>	-3.25	
05 05 19 00-0151	EA 3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	25.55	
	<i>For &gt;10 To 50, Deduct</i>	-0.93	
	<i>For &gt;50 To 100, Deduct</i>	-2.04	
	<i>For &gt;100, Deduct</i>	-4.08	
05 05 19 00-0152	EA 1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	31.78	
	<i>For &gt;10 To 50, Deduct</i>	-1.10	
	<i>For &gt;50 To 100, Deduct</i>	-2.44	
	<i>For &gt;100, Deduct</i>	-4.89	
05 05 19 00-0153	EA 5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	39.86	
	<i>For &gt;10 To 50, Deduct</i>	-1.21	
	<i>For &gt;50 To 100, Deduct</i>	-2.81	
	<i>For &gt;100, Deduct</i>	-5.62	
05 05 19 00-0154	EA 3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	54.49	
	<i>For &gt;10 To 50, Deduct</i>	-1.37	
	<i>For &gt;50 To 100, Deduct</i>	-3.42	
	<i>For &gt;100, Deduct</i>	-6.85	
<b>05 05 19 00-0155</b>	<b>Single Bolt Expansion Anchors</b> (05 05 19 00-0002)		
	Note: Excludes bolt, nut and washer.		
05 05 19 00-0156	EA 1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	11.62	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.11	
	<i>For &gt;100, Deduct</i>	-2.23	
05 05 19 00-0157	EA 5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	12.40	
	<i>For &gt;10 To 50, Deduct</i>	-0.58	
	<i>For &gt;50 To 100, Deduct</i>	-1.18	
	<i>For &gt;100, Deduct</i>	-2.35	
05 05 19 00-0158	EA 3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	14.03	
	<i>For &gt;10 To 50, Deduct</i>	-0.65	
	<i>For &gt;50 To 100, Deduct</i>	-1.33	
	<i>For &gt;100, Deduct</i>	-2.66	
05 05 19 00-0159	EA 1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	20.44	
	<i>For &gt;10 To 50, Deduct</i>	-0.93	
	<i>For &gt;50 To 100, Deduct</i>	-1.90	
	<i>For &gt;100, Deduct</i>	-3.81	
05 05 19 00-0160	EA 5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	28.04	
	<i>For &gt;10 To 50, Deduct</i>	-1.15	
	<i>For &gt;50 To 100, Deduct</i>	-2.42	
	<i>For &gt;100, Deduct</i>	-4.84	
05 05 19 00-0161	EA 3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	33.79	
	<i>For &gt;10 To 50, Deduct</i>	-1.37	
	<i>For &gt;50 To 100, Deduct</i>	-2.89	
	<i>For &gt;100, Deduct</i>	-5.79	
<b>05 05 19 00-0162</b>	<b>Concrete Lag Shield Anchors</b> (05 05 19 00-0002)		
	Note: Excludes lag bolt and washer.		
05 05 19 00-0163	EA 1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	11.68	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.12	
	<i>For &gt;100, Deduct</i>	-2.23	
05 05 19 00-0164	EA 5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	13.90	
	<i>For &gt;10 To 50, Deduct</i>	-0.65	
	<i>For &gt;50 To 100, Deduct</i>	-1.33	
	<i>For &gt;100, Deduct</i>	-2.66	
05 05 19 00-0165	EA 3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	14.46	
	<i>For &gt;10 To 50, Deduct</i>	-0.65	
	<i>For &gt;50 To 100, Deduct</i>	-1.34	
	<i>For &gt;100, Deduct</i>	-2.68	
05 05 19 00-0166	EA 1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	20.40	
	<i>For &gt;10 To 50, Deduct</i>	-0.93	
	<i>For &gt;50 To 100, Deduct</i>	-1.90	
	<i>For &gt;100, Deduct</i>	-3.81	
05 05 19 00-0167	EA 5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	27.17	
	<i>For &gt;10 To 50, Deduct</i>	-1.15	
	<i>For &gt;50 To 100, Deduct</i>	-2.40	
	<i>For &gt;100, Deduct</i>	-4.80	
05 05 19 00-0168	EA 3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	30.65	
	<i>For &gt;10 To 50, Deduct</i>	-1.37	
	<i>For &gt;50 To 100, Deduct</i>	-2.81	
	<i>For &gt;100, Deduct</i>	-5.63	
<b>05 05 19 00-0169</b>	<b>Chemical And Adhesive Anchors</b> (05 05 19 00-0001)		
<b>05 05 19 00-0170</b>	<b>Chemically Adhered Anchor Rods</b> (05 05 19 00-0169)		
	Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0171 EA 1/4" x 1-9/16" Long Chemically Adhered Anchor Rod .....	14.67	
<i>For &gt;10 To 50, Deduct</i>	-0.60	
<i>For &gt;50 To 100, Deduct</i>	-1.27	
<i>For &gt;100, Deduct</i>	-2.55	
05 05 19 00-0172 EA 5/16" x 2-3/8" Long Chemically Adhered Anchor Rod .....	16.94	
<i>For &gt;10 To 50, Deduct</i>	-0.66	
<i>For &gt;50 To 100, Deduct</i>	-1.41	
<i>For &gt;100, Deduct</i>	-2.82	
05 05 19 00-0173 EA 3/8" x 2-3/4" Long Chemically Adhered Anchor Rod .....	21.05	
<i>For &gt;10 To 50, Deduct</i>	-0.82	
<i>For &gt;50 To 100, Deduct</i>	-1.76	
<i>For &gt;100, Deduct</i>	-3.53	
05 05 19 00-0174 EA 1/2" x 3-11/16" Long Chemically Adhered Anchor Rod .....	24.60	
<i>For &gt;10 To 50, Deduct</i>	-0.93	
<i>For &gt;50 To 100, Deduct</i>	-2.01	
<i>For &gt;100, Deduct</i>	-4.02	
05 05 19 00-0175 EA 1/2" x 5-1/2" Long Chemically Adhered Anchor Rod .....	25.97	
<i>For &gt;10 To 50, Deduct</i>	-0.93	
<i>For &gt;50 To 100, Deduct</i>	-2.04	
<i>For &gt;100, Deduct</i>	-4.09	
05 05 19 00-0176 EA 5/8" x 7" Long Chemically Adhered Anchor Rod.....	32.13	
<i>For &gt;10 To 50, Deduct</i>	-1.15	
<i>For &gt;50 To 100, Deduct</i>	-2.52	
<i>For &gt;100, Deduct</i>	-5.05	
05 05 19 00-0177 EA 3/4" x 9-1/2" Long Chemically Adhered Anchor Rod .....	41.53	
<i>For &gt;10 To 50, Deduct</i>	-1.37	
<i>For &gt;50 To 100, Deduct</i>	-3.09	
<i>For &gt;100, Deduct</i>	-6.17	
05 05 19 00-0178 EA 7/8" x 10" Long Chemically Adhered Anchor Rod.....	49.00	
<i>For &gt;10 To 50, Deduct</i>	-1.48	
<i>For &gt;50 To 100, Deduct</i>	-3.44	
<i>For &gt;100, Deduct</i>	-6.89	
05 05 19 00-0179 EA 1" x 11-3/4" Long Chemically Adhered Anchor Rod .....	66.79	
<i>For &gt;10 To 50, Deduct</i>	-1.92	
<i>For &gt;50 To 100, Deduct</i>	-4.55	
<i>For &gt;100, Deduct</i>	-9.09	
05 05 19 00-0180 EA 1-1/4" x 14" Long Chemically Adhered Anchor Rod .....	95.35	
<i>For &gt;10 To 50, Deduct</i>	-2.42	
<i>For &gt;50 To 100, Deduct</i>	-6.01	
<i>For &gt;100, Deduct</i>	-12.02	
<b>05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod</b> <small>(05 05 19 00-0169)</small>		
<small>Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Excludes bolt, dowel or rod.</small>		
05 05 19 00-0182 EA 1/4" Chemical Adhesive For Bolt Or Threaded Rod .....	12.41	
<i>For &gt;10 To 50, Deduct</i>	-0.60	
<i>For &gt;50 To 100, Deduct</i>	-1.22	
<i>For &gt;100, Deduct</i>	-2.43	
05 05 19 00-0183 EA 5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	13.58	
<i>For &gt;10 To 50, Deduct</i>	-0.66	
<i>For &gt;50 To 100, Deduct</i>	-1.33	
<i>For &gt;100, Deduct</i>	-2.66	
05 05 19 00-0184 EA 3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	17.02	
<i>For &gt;10 To 50, Deduct</i>	-0.82	
<i>For &gt;50 To 100, Deduct</i>	-1.66	
<i>For &gt;100, Deduct</i>	-3.32	
05 05 19 00-0185 EA 1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	19.33	
<i>For &gt;10 To 50, Deduct</i>	-0.93	
<i>For &gt;50 To 100, Deduct</i>	-1.88	
<i>For &gt;100, Deduct</i>	-3.75	
05 05 19 00-0186 EA 5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	24.77	
<i>For &gt;10 To 50, Deduct</i>	-1.15	
<i>For &gt;50 To 100, Deduct</i>	-2.34	
<i>For &gt;100, Deduct</i>	-4.68	
05 05 19 00-0187 EA 3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	30.50	
<i>For &gt;10 To 50, Deduct</i>	-1.37	
<i>For &gt;50 To 100, Deduct</i>	-2.81	
<i>For &gt;100, Deduct</i>	-5.62	
05 05 19 00-0188 EA 7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	33.83	
<i>For &gt;10 To 50, Deduct</i>	-1.48	
<i>For &gt;50 To 100, Deduct</i>	-3.06	
<i>For &gt;100, Deduct</i>	-6.13	
05 05 19 00-0189 EA 1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	44.73	
<i>For &gt;10 To 50, Deduct</i>	-1.92	
<i>For &gt;50 To 100, Deduct</i>	-3.99	
<i>For &gt;100, Deduct</i>	-7.99	
05 05 19 00-0190 EA 1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod .....	51.22	
<i>For &gt;10 To 50, Deduct</i>	-2.17	
<i>For &gt;50 To 100, Deduct</i>	-4.53	
<i>For &gt;100, Deduct</i>	-9.07	
05 05 19 00-0191 EA 1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod .....	58.57	
<i>For &gt;10 To 50, Deduct</i>	-2.42	
<i>For &gt;50 To 100, Deduct</i>	-5.09	
<i>For &gt;100, Deduct</i>	-10.18	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 19 00-0192	EA 1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	63.32	
	<i>For &gt;10 To 50, Deduct</i>	-2.53	
	<i>For &gt;50 To 100, Deduct</i>	-5.37	
	<i>For &gt;100, Deduct</i>	-10.75	
05 05 19 00-0193	EA 1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	69.78	
	<i>For &gt;10 To 50, Deduct</i>	-2.64	
	<i>For &gt;50 To 100, Deduct</i>	-5.70	
	<i>For &gt;100, Deduct</i>	-11.40	
05 05 19 00-0194	EA 1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	82.69	
	<i>For &gt;10 To 50, Deduct</i>	-2.86	
	<i>For &gt;50 To 100, Deduct</i>	-6.35	
	<i>For &gt;100, Deduct</i>	-12.71	
05 05 19 00-0195	EA 2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	110.42	
	<i>For &gt;10 To 50, Deduct</i>	-2.97	
	<i>For &gt;50 To 100, Deduct</i>	-7.21	
	<i>For &gt;100, Deduct</i>	-14.42	
<b>05 05 19 00-0196</b>	<b>Grout Concrete Anchor Bolt Or Threaded Rod (05 05 19 00-0169)</b>		
05 05 19 00-0197	EA Grout Concrete Anchor Bolt or Threaded Rod.....	4.46	
	<i>For &gt;10 To 50, Deduct</i>	-0.22	
	<i>For &gt;50 To 100, Deduct</i>	-0.43	
	<i>For &gt;100, Deduct</i>	-0.87	
<b>05 05 19 00-0198</b>	<b>Other Concrete And Masonry Anchors (05 05 19 00-0001)</b>		
<b>05 05 19 00-0199</b>	<b>Tapcon Masonry Screws (05 05 19 00-0198)</b>		
	Note: Includes drilling. Countersunk or hex head.		
05 05 19 00-0200	EA 3/16" x 1-1/4" Tapcon Masonry Screw.....	11.25	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.11	
	<i>For &gt;100, Deduct</i>	-2.21	
05 05 19 00-0201	EA 3/16" x 2-1/4" Tapcon Masonry Screw.....	11.31	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.11	
	<i>For &gt;100, Deduct</i>	-2.21	
05 05 19 00-0202	EA 3/16" x 3-1/4" Tapcon Masonry Screw.....	11.46	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.11	
	<i>For &gt;100, Deduct</i>	-2.22	
05 05 19 00-0203	EA 1/4" x 1-1/4" Tapcon Masonry Screw.....	11.33	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.11	
	<i>For &gt;100, Deduct</i>	-2.22	
05 05 19 00-0204	EA 1/4" x 2-1/4" Tapcon Masonry Screw.....	11.41	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.11	
	<i>For &gt;100, Deduct</i>	-2.22	
05 05 19 00-0205	EA 1/4" x 3-1/4" Tapcon Masonry Screw.....	11.58	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.11	
	<i>For &gt;100, Deduct</i>	-2.23	
<b>05 05 19 00-0206</b>	<b>Large Diameter, Self-Threading Concrete Fasteners (05 05 19 00-0199)</b>		
	Note: Includes drilling. Zinc plated.		
05 05 19 00-0207	EA 3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener.....	12.28	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.13	
	<i>For &gt;100, Deduct</i>	-2.26	
05 05 19 00-0208	EA 3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener.....	12.75	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.14	
	<i>For &gt;100, Deduct</i>	-2.29	
05 05 19 00-0209	EA 3/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	12.88	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.15	
	<i>For &gt;100, Deduct</i>	-2.29	
05 05 19 00-0210	EA 3/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	13.10	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.15	
	<i>For &gt;100, Deduct</i>	-2.30	
05 05 19 00-0211	EA 3/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	13.29	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.16	
	<i>For &gt;100, Deduct</i>	-2.31	
05 05 19 00-0212	EA 1/2" x 3", Large Diameter, Self-Threading Concrete Fastener.....	13.70	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.17	
	<i>For &gt;100, Deduct</i>	-2.33	
05 05 19 00-0213	EA 1/2" x 4", Large Diameter, Self-Threading Concrete Fastener.....	14.20	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.18	
	<i>For &gt;100, Deduct</i>	-2.36	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0214	EA			1/2" x 5", Large Diameter, Self-Threading Concrete Fastener.....	14.66	
				<i>For &gt;10 To 50, Deduct</i>	-0.55	
				<i>For &gt;50 To 100, Deduct</i>	-1.19	
				<i>For &gt;100, Deduct</i>	-2.38	
05 05 19 00-0215	EA			1/2" x 6", Large Diameter, Self-Threading Concrete Fastener.....	15.94	
				<i>For &gt;10 To 50, Deduct</i>	-0.55	
				<i>For &gt;50 To 100, Deduct</i>	-1.22	
				<i>For &gt;100, Deduct</i>	-2.45	
05 05 19 00-0216	EA			5/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	16.10	
				<i>For &gt;10 To 50, Deduct</i>	-0.55	
				<i>For &gt;50 To 100, Deduct</i>	-1.23	
				<i>For &gt;100, Deduct</i>	-2.45	
05 05 19 00-0217	EA			5/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	16.88	
				<i>For &gt;10 To 50, Deduct</i>	-0.55	
				<i>For &gt;50 To 100, Deduct</i>	-1.25	
				<i>For &gt;100, Deduct</i>	-2.49	
05 05 19 00-0218	EA			5/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	17.69	
				<i>For &gt;10 To 50, Deduct</i>	-0.55	
				<i>For &gt;50 To 100, Deduct</i>	-1.27	
				<i>For &gt;100, Deduct</i>	-2.53	
05 05 19 00-0219	EA			5/8" x 6", Large Diameter, Self-Threading Concrete Fastener.....	18.21	
				<i>For &gt;10 To 50, Deduct</i>	-0.55	
				<i>For &gt;50 To 100, Deduct</i>	-1.28	
				<i>For &gt;100, Deduct</i>	-2.56	
05 05 19 00-0220	EA			3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener.....	17.98	
				<i>For &gt;10 To 50, Deduct</i>	-0.55	
				<i>For &gt;50 To 100, Deduct</i>	-1.27	
				<i>For &gt;100, Deduct</i>	-2.55	
05 05 19 00-0221	EA			3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener.....	18.73	
				<i>For &gt;10 To 50, Deduct</i>	-0.55	
				<i>For &gt;50 To 100, Deduct</i>	-1.29	
				<i>For &gt;100, Deduct</i>	-2.59	
05 05 19 00-0222	EA			3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener.....	20.47	
				<i>For &gt;10 To 50, Deduct</i>	-0.55	
				<i>For &gt;50 To 100, Deduct</i>	-1.34	
				<i>For &gt;100, Deduct</i>	-2.67	
<b>05 05 19 00-0223</b>				<b>Pin Bolt Drives</b> <small>(05 05 19 00-0198)</small>		
				Note: Includes drilling. Zinc plated.		
05 05 19 00-0224	EA			1/4" x 1" Pin Bolt Drive.....	6.98	
				<i>For &gt;10 To 50, Deduct</i>	-0.33	
				<i>For &gt;50 To 100, Deduct</i>	-0.67	
				<i>For &gt;100, Deduct</i>	-1.34	
05 05 19 00-0225	EA			1/4" x 1-1/4" Pin Bolt Drive.....	6.98	
				<i>For &gt;10 To 50, Deduct</i>	-0.33	
				<i>For &gt;50 To 100, Deduct</i>	-0.67	
				<i>For &gt;100, Deduct</i>	-1.34	
05 05 19 00-0226	EA			1/4" x 1-1/2" Pin Bolt Drive.....	7.03	
				<i>For &gt;10 To 50, Deduct</i>	-0.33	
				<i>For &gt;50 To 100, Deduct</i>	-0.67	
				<i>For &gt;100, Deduct</i>	-1.34	
05 05 19 00-0227	EA			1/4" x 2" Pin Bolt Drive.....	7.05	
				<i>For &gt;10 To 50, Deduct</i>	-0.33	
				<i>For &gt;50 To 100, Deduct</i>	-0.67	
				<i>For &gt;100, Deduct</i>	-1.34	
<b>05 05 19 00-0228</b>				<b>Powder Actuated, Shot-In Place Anchors</b> <small>(05 05 19 00-0198)</small>		
05 05 19 00-0229	EA			0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor.....	1.72	
				<i>For &gt;10 To 50, Deduct</i>	-0.07	
				<i>For &gt;50 To 100, Deduct</i>	-0.15	
				<i>For &gt;100, Deduct</i>	-0.31	
05 05 19 00-0230	EA			0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor.....	1.81	
				<i>For &gt;10 To 50, Deduct</i>	-0.08	
				<i>For &gt;50 To 100, Deduct</i>	-0.16	
				<i>For &gt;100, Deduct</i>	-0.32	
05 05 19 00-0231	EA			0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor.....	1.97	
				<i>For &gt;10 To 50, Deduct</i>	-0.08	
				<i>For &gt;50 To 100, Deduct</i>	-0.17	
				<i>For &gt;100, Deduct</i>	-0.35	
05 05 19 00-0232	EA			0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor.....	2.18	
				<i>For &gt;10 To 50, Deduct</i>	-0.09	
				<i>For &gt;50 To 100, Deduct</i>	-0.19	
				<i>For &gt;100, Deduct</i>	-0.37	
05 05 19 00-0233	EA			0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor.....	2.28	
				<i>For &gt;10 To 50, Deduct</i>	-0.09	
				<i>For &gt;50 To 100, Deduct</i>	-0.19	
				<i>For &gt;100, Deduct</i>	-0.38	
<b>05 05 19 00-0234</b>				<b>Powder Actuated, Shot-In Place Anchors With Exposed Thread</b> <small>(05 05 19 00-0198)</small>		

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0235 EA 0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor .....	2.01	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.17	
For >100, Deduct	-0.33	
05 05 19 00-0236 EA 0.205" Diameter x 1-1/16" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor .....	2.72	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.21	
For >100, Deduct	-0.42	
<b>05 05 21 Fastening Methods for Metal (05 05)</b>		
<b>05 05 21 00-0001 Welding (05 05 21)</b>		
<b>05 05 21 00-0002 Minimum Charge For Welding (05 05 21 00-0001)</b>		
05 05 21 00-0003 EA Welding Minimum Charge .....	456.66	
Note: For projects where the total welding charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
<b>05 05 21 00-0004 Spot Welding (05 05 21 00-0001)</b>		
05 05 21 00-0005 EA Up To 15 Spot Weldings, Welds Up To 1" Length Each .....	11.64	
For Aluminum Welding, Add	1.82	
For Stainless Steel Welding, Add	3.01	
05 05 21 00-0006 EA >15 Spot Weldings, Welds Up To 1" Length Each .....	9.08	
For Aluminum Welding, Add	1.44	
For Stainless Steel Welding, Add	2.37	
<b>05 05 21 00-0007 Field Welding (Seam And Stitch Welding) (05 05 21 00-0001)</b>		
<b>05 05 21 00-0008 Vertical Fillet Welds (05 05 21 00-0007)</b>		
Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 05 21 00-0009 LF 1/8" Vertical Fillet Weld .....	7.41	
For Aluminum Welding, Add	1.49	
For Stainless Steel Welding, Add	2.33	
For Up To 25, Add	2.44	
For >25 To 50, Add	1.73	
05 05 21 00-0010 LF 3/16" Vertical Fillet Weld .....	14.34	
For Aluminum Welding, Add	2.62	
For Stainless Steel Welding, Add	4.17	
For Up To 25, Add	4.82	
For >25 To 50, Add	3.43	
05 05 21 00-0011 LF 1/4" Vertical Fillet Weld .....	21.53	
For Aluminum Welding, Add	3.94	
For Stainless Steel Welding, Add	6.28	
For Up To 25, Add	7.24	
For >25 To 50, Add	5.14	
05 05 21 00-0012 LF 5/16" Vertical Fillet Weld .....	28.41	
For Aluminum Welding, Add	5.22	
For Stainless Steel Welding, Add	8.30	
For Up To 25, Add	9.54	
For >25 To 50, Add	6.78	
05 05 21 00-0013 LF 3/8" Vertical Fillet Weld .....	35.87	
For Aluminum Welding, Add	6.56	
For Stainless Steel Welding, Add	10.45	
For Up To 25, Add	12.06	
For >25 To 50, Add	8.57	
05 05 21 00-0014 LF 7/16" Vertical Fillet Weld .....	41.71	
For Aluminum Welding, Add	7.19	
For Stainless Steel Welding, Add	11.60	
For Up To 25, Add	14.21	
For >25 To 50, Add	10.12	
05 05 21 00-0015 LF 1/2" Vertical Fillet Weld .....	49.04	
For Aluminum Welding, Add	9.00	
For Stainless Steel Welding, Add	14.32	
For Up To 25, Add	16.48	
For >25 To 50, Add	11.71	
05 05 21 00-0016 LF 9/16" Vertical Fillet Weld .....	57.33	
For Aluminum Welding, Add	10.08	
For Stainless Steel Welding, Add	16.18	
For Up To 25, Add	19.45	
For >25 To 50, Add	13.84	
05 05 21 00-0017 LF 5/8" Vertical Fillet Weld .....	66.47	
For Aluminum Welding, Add	11.72	
For Stainless Steel Welding, Add	18.80	
For Up To 25, Add	22.54	
For >25 To 50, Add	16.04	
05 05 21 00-0018 LF 3/4" Vertical Fillet Weld .....	89.74	
For Aluminum Welding, Add	16.46	
For Stainless Steel Welding, Add	26.18	
For Up To 25, Add	30.16	
For >25 To 50, Add	21.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0019 LF 7/8" Vertical Fillet Weld.....	132.69	
<i>For Aluminum Welding, Add</i>	23.25	
<i>For Stainless Steel Welding, Add</i>	37.35	
<i>For Up To 25, Add</i>	45.05	
<i>For &gt;25 To 50, Add</i>	32.06	
05 05 21 00-0020 LF 1" Vertical Fillet Weld.....	178.83	
<i>For Aluminum Welding, Add</i>	32.42	
<i>For Stainless Steel Welding, Add</i>	51.71	
<i>For Up To 25, Add</i>	60.26	
<i>For &gt;25 To 50, Add</i>	42.84	
<b>05 05 21 00-0021 Horizontal Or Flat Fillet Welds</b> <small>(05 05 21 00-0007)</small>		
<i>Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.</i>		
05 05 21 00-0022 LF 1/8" Horizontal Or Flat Fillet Weld.....	6.24	
<i>For Aluminum Welding, Add</i>	1.31	
<i>For Stainless Steel Welding, Add</i>	2.03	
<i>For Up To 25, Add</i>	2.03	
<i>For &gt;25 To 50, Add</i>	1.43	
05 05 21 00-0023 LF 3/16" Horizontal Or Flat Fillet Weld.....	12.16	
<i>For Aluminum Welding, Add</i>	2.32	
<i>For Stainless Steel Welding, Add</i>	3.66	
<i>For Up To 25, Add</i>	4.05	
<i>For &gt;25 To 50, Add</i>	2.88	
05 05 21 00-0024 LF 1/4" Horizontal Or Flat Fillet Weld.....	18.18	
<i>For Aluminum Welding, Add</i>	3.47	
<i>For Stainless Steel Welding, Add</i>	5.47	
<i>For Up To 25, Add</i>	6.06	
<i>For &gt;25 To 50, Add</i>	4.30	
05 05 21 00-0025 LF 5/16" Horizontal Or Flat Fillet Weld.....	24.03	
<i>For Aluminum Welding, Add</i>	4.61	
<i>For Stainless Steel Welding, Add</i>	7.27	
<i>For Up To 25, Add</i>	7.99	
<i>For &gt;25 To 50, Add</i>	5.67	
05 05 21 00-0026 LF 3/8" Horizontal Or Flat Fillet Weld.....	30.33	
<i>For Aluminum Welding, Add</i>	5.78	
<i>For Stainless Steel Welding, Add</i>	9.12	
<i>For Up To 25, Add</i>	10.10	
<i>For &gt;25 To 50, Add</i>	7.17	
05 05 21 00-0027 LF 7/16" Horizontal Or Flat Fillet Weld.....	35.11	
<i>For Aluminum Welding, Add</i>	6.25	
<i>For Stainless Steel Welding, Add</i>	10.01	
<i>For Up To 25, Add</i>	11.88	
<i>For &gt;25 To 50, Add</i>	8.45	
05 05 21 00-0028 LF 1/2" Horizontal Or Flat Fillet Weld.....	41.43	
<i>For Aluminum Welding, Add</i>	7.94	
<i>For Stainless Steel Welding, Add</i>	12.51	
<i>For Up To 25, Add</i>	13.78	
<i>For &gt;25 To 50, Add</i>	9.78	
05 05 21 00-0029 LF 9/16" Horizontal Or Flat Fillet Weld.....	48.38	
<i>For Aluminum Welding, Add</i>	8.83	
<i>For Stainless Steel Welding, Add</i>	14.06	
<i>For Up To 25, Add</i>	16.28	
<i>For &gt;25 To 50, Add</i>	11.57	
05 05 21 00-0030 LF 5/8" Horizontal Or Flat Fillet Weld.....	56.37	
<i>For Aluminum Welding, Add</i>	10.50	
<i>For Stainless Steel Welding, Add</i>	16.64	
<i>For Up To 25, Add</i>	18.88	
<i>For &gt;25 To 50, Add</i>	13.41	
05 05 21 00-0031 LF 3/4" Horizontal Or Flat Fillet Weld.....	75.90	
<i>For Aluminum Welding, Add</i>	14.53	
<i>For Stainless Steel Welding, Add</i>	22.91	
<i>For Up To 25, Add</i>	25.26	
<i>For &gt;25 To 50, Add</i>	17.93	
05 05 21 00-0032 LF 7/8" Horizontal Or Flat Fillet Weld.....	111.14	
<i>For Aluminum Welding, Add</i>	19.79	
<i>For Stainless Steel Welding, Add</i>	31.69	
<i>For Up To 25, Add</i>	37.60	
<i>For &gt;25 To 50, Add</i>	26.75	
05 05 21 00-0033 LF 1" Horizontal Or Flat Fillet Weld.....	150.67	
<i>For Aluminum Welding, Add</i>	28.47	
<i>For Stainless Steel Welding, Add</i>	45.00	
<i>For Up To 25, Add</i>	50.29	
<i>For &gt;25 To 50, Add</i>	35.71	

**05 05 23 Metal Fastenings** (05 05)

- 05 05 23 00-0001 **Hex Bolts** (05 05 23)  
*Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0221 for drilling into concrete, 02 41 19 13-0231 for drilling into brick or block, 02 41 19 13-0241 for drilling into wood or plastic, 05 05 23 00-1567 for drilling through steel.*
- 05 05 23 00-0002 **A307B Heavy Hex Bolts** (05 05 23 00-0001)  
*Note: Includes A307B heavy hex nut and two structural washers.*



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0003			Plain Finish A307B Heavy Hex Bolts <small>(05 05 23 00-0002)</small>		
05 05 23 00-0004	EA		1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt .....	12.77	1.30
			For >10 To 50, Deduct	-0.54	
			For >50 To 100, Deduct	-1.13	
			For >100, Deduct	-2.26	
05 05 23 00-0005	EA		1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt .....	13.89	1.30
			For >10 To 50, Deduct	-0.54	
			For >50 To 100, Deduct	-1.16	
			For >100, Deduct	-2.32	
05 05 23 00-0006	EA		5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt .....	13.92	1.30
			For >10 To 50, Deduct	-0.54	
			For >50 To 100, Deduct	-1.16	
			For >100, Deduct	-2.32	
05 05 23 00-0007	EA		5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt .....	16.49	1.48
			For >10 To 50, Deduct	-0.62	
			For >50 To 100, Deduct	-1.34	
			For >100, Deduct	-2.68	
05 05 23 00-0008	EA		3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt .....	15.80	1.30
			For >10 To 50, Deduct	-0.54	
			For >50 To 100, Deduct	-1.21	
			For >100, Deduct	-2.42	
05 05 23 00-0009	EA		3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt .....	18.82	1.48
			For >10 To 50, Deduct	-0.62	
			For >50 To 100, Deduct	-1.40	
			For >100, Deduct	-2.80	
05 05 23 00-0010	EA		3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt .....	23.31	1.55
			For >10 To 50, Deduct	-0.65	
			For >50 To 100, Deduct	-1.55	
			For >100, Deduct	-3.11	
05 05 23 00-0011	EA		3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt .....	24.99	1.63
			For >10 To 50, Deduct	-0.68	
			For >50 To 100, Deduct	-1.65	
			For >100, Deduct	-3.29	
05 05 23 00-0012	EA		7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt .....	18.71	1.41
			For >10 To 50, Deduct	-0.59	
			For >50 To 100, Deduct	-1.35	
			For >100, Deduct	-2.70	
05 05 23 00-0013	EA		7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt .....	22.32	1.55
			For >10 To 50, Deduct	-0.65	
			For >50 To 100, Deduct	-1.53	
			For >100, Deduct	-3.05	
05 05 23 00-0014	EA		1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt .....	25.99	1.63
			For >10 To 50, Deduct	-0.68	
			For >50 To 100, Deduct	-1.67	
			For >100, Deduct	-3.34	
05 05 23 00-0015	EA		1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt .....	36.18	1.71
			For >10 To 50, Deduct	-0.71	
			For >50 To 100, Deduct	-1.98	
			For >100, Deduct	-3.95	
05 05 23 00-0016	EA		1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt .....	42.25	1.94
			For >10 To 50, Deduct	-0.81	
			For >50 To 100, Deduct	-2.27	
			For >100, Deduct	-4.53	
05 05 23 00-0017	EA		1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt .....	47.41	2.08
			For >10 To 50, Deduct	-0.87	
			For >50 To 100, Deduct	-2.48	
			For >100, Deduct	-4.97	
05 05 23 00-0018			Galvanized A307B Heavy Hex Bolts <small>(05 05 23 00-0002)</small>		
05 05 23 00-0019	EA		1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt .....	13.32	1.30
			For >10 To 50, Deduct	-0.54	
			For >50 To 100, Deduct	-1.15	
			For >100, Deduct	-2.29	
05 05 23 00-0020	EA		1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt .....	14.26	1.30
			For >10 To 50, Deduct	-0.54	
			For >50 To 100, Deduct	-1.17	
			For >100, Deduct	-2.34	
05 05 23 00-0021	EA		5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt .....	15.27	1.30
			For >10 To 50, Deduct	-0.54	
			For >50 To 100, Deduct	-1.19	
			For >100, Deduct	-2.39	
05 05 23 00-0022	EA		5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt .....	17.84	1.48
			For >10 To 50, Deduct	-0.62	
			For >50 To 100, Deduct	-1.37	
			For >100, Deduct	-2.75	
05 05 23 00-0023	EA		3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt .....	17.33	1.30
			For >10 To 50, Deduct	-0.54	
			For >50 To 100, Deduct	-1.25	
			For >100, Deduct	-2.49	
05 05 23 00-0024	EA		3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt .....	21.66	1.48
			For >10 To 50, Deduct	-0.62	
			For >50 To 100, Deduct	-1.47	
			For >100, Deduct	-2.94	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0025 EA 3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	28.20	1.55
<i>For &gt;10 To 50, Deduct</i>	-0.65	
<i>For &gt;50 To 100, Deduct</i>	-1.67	
<i>For &gt;100, Deduct</i>	-3.35	
05 05 23 00-0026 EA 3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt.....	32.91	1.63
<i>For &gt;10 To 50, Deduct</i>	-0.68	
<i>For &gt;50 To 100, Deduct</i>	-1.84	
<i>For &gt;100, Deduct</i>	-3.69	
05 05 23 00-0027 EA 7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	22.73	1.41
<i>For &gt;10 To 50, Deduct</i>	-0.59	
<i>For &gt;50 To 100, Deduct</i>	-1.45	
<i>For &gt;100, Deduct</i>	-2.90	
05 05 23 00-0028 EA 7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	26.86	1.55
<i>For &gt;10 To 50, Deduct</i>	-0.65	
<i>For &gt;50 To 100, Deduct</i>	-1.64	
<i>For &gt;100, Deduct</i>	-3.28	
05 05 23 00-0029 EA 1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	31.84	1.63
<i>For &gt;10 To 50, Deduct</i>	-0.68	
<i>For &gt;50 To 100, Deduct</i>	-1.82	
<i>For &gt;100, Deduct</i>	-3.63	
05 05 23 00-0030 EA 1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	46.78	1.71
<i>For &gt;10 To 50, Deduct</i>	-0.71	
<i>For &gt;50 To 100, Deduct</i>	-2.24	
<i>For &gt;100, Deduct</i>	-4.48	
05 05 23 00-0031 EA 1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	47.00	1.94
<i>For &gt;10 To 50, Deduct</i>	-0.81	
<i>For &gt;50 To 100, Deduct</i>	-2.39	
<i>For &gt;100, Deduct</i>	-4.77	
05 05 23 00-0032 EA 1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	58.39	2.08
<i>For &gt;10 To 50, Deduct</i>	-0.87	
<i>For &gt;50 To 100, Deduct</i>	-2.76	
<i>For &gt;100, Deduct</i>	-5.51	
<b>05 05 23 00-0033 A325 High Strength Structural Bolts</b> <small>(05 05 23 00-0001)</small>		
<b>05 05 23 00-0034 Plain Finish A325 High Strength Structural Bolts</b> <small>(05 05 23 00-0033)</small>		
Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0035 EA 1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt.....	12.52	1.30
<i>For &gt;10 To 50, Deduct</i>	-0.54	
<i>For &gt;50 To 100, Deduct</i>	-1.13	
<i>For &gt;100, Deduct</i>	-2.25	
05 05 23 00-0036 EA 1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	12.76	1.30
<i>For &gt;10 To 50, Deduct</i>	-0.54	
<i>For &gt;50 To 100, Deduct</i>	-1.13	
<i>For &gt;100, Deduct</i>	-2.26	
05 05 23 00-0037 EA 5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	13.55	1.30
<i>For &gt;10 To 50, Deduct</i>	-0.54	
<i>For &gt;50 To 100, Deduct</i>	-1.15	
<i>For &gt;100, Deduct</i>	-2.30	
05 05 23 00-0038 EA 5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	16.51	1.48
<i>For &gt;10 To 50, Deduct</i>	-0.62	
<i>For &gt;50 To 100, Deduct</i>	-1.34	
<i>For &gt;100, Deduct</i>	-2.68	
05 05 23 00-0039 EA 5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	18.94	1.55
<i>For &gt;10 To 50, Deduct</i>	-0.65	
<i>For &gt;50 To 100, Deduct</i>	-1.44	
<i>For &gt;100, Deduct</i>	-2.89	
05 05 23 00-0040 EA 3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	14.65	1.30
<i>For &gt;10 To 50, Deduct</i>	-0.54	
<i>For &gt;50 To 100, Deduct</i>	-1.18	
<i>For &gt;100, Deduct</i>	-2.36	
05 05 23 00-0041 EA 3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	17.68	1.48
<i>For &gt;10 To 50, Deduct</i>	-0.62	
<i>For &gt;50 To 100, Deduct</i>	-1.37	
<i>For &gt;100, Deduct</i>	-2.74	
05 05 23 00-0042 EA 3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	19.97	1.55
<i>For &gt;10 To 50, Deduct</i>	-0.65	
<i>For &gt;50 To 100, Deduct</i>	-1.47	
<i>For &gt;100, Deduct</i>	-2.94	
05 05 23 00-0043 EA 3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	24.30	1.63
<i>For &gt;10 To 50, Deduct</i>	-0.68	
<i>For &gt;50 To 100, Deduct</i>	-1.63	
<i>For &gt;100, Deduct</i>	-3.26	
05 05 23 00-0044 EA 7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	16.90	1.41
<i>For &gt;10 To 50, Deduct</i>	-0.59	
<i>For &gt;50 To 100, Deduct</i>	-1.30	
<i>For &gt;100, Deduct</i>	-2.61	
05 05 23 00-0045 EA 7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	20.40	1.55
<i>For &gt;10 To 50, Deduct</i>	-0.65	
<i>For &gt;50 To 100, Deduct</i>	-1.48	
<i>For &gt;100, Deduct</i>	-2.96	
05 05 23 00-0046 EA 7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	23.16	1.63
<i>For &gt;10 To 50, Deduct</i>	-0.68	
<i>For &gt;50 To 100, Deduct</i>	-1.60	
<i>For &gt;100, Deduct</i>	-3.20	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0047	EA		7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	25.03	1.71
			<i>For &gt;10 To 50, Deduct</i>	-0.71	
			<i>For &gt;50 To 100, Deduct</i>	-1.70	
			<i>For &gt;100, Deduct</i>	-3.40	
05 05 23 00-0048	EA		1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	18.58	1.46
			<i>For &gt;10 To 50, Deduct</i>	-0.61	
			<i>For &gt;50 To 100, Deduct</i>	-1.38	
			<i>For &gt;100, Deduct</i>	-2.76	
05 05 23 00-0049	EA		1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	22.23	1.63
			<i>For &gt;10 To 50, Deduct</i>	-0.68	
			<i>For &gt;50 To 100, Deduct</i>	-1.58	
			<i>For &gt;100, Deduct</i>	-3.15	
05 05 23 00-0050	EA		1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	25.56	1.71
			<i>For &gt;10 To 50, Deduct</i>	-0.71	
			<i>For &gt;50 To 100, Deduct</i>	-1.71	
			<i>For &gt;100, Deduct</i>	-3.42	
05 05 23 00-0051	EA		1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	32.36	1.82
			<i>For &gt;10 To 50, Deduct</i>	-0.76	
			<i>For &gt;50 To 100, Deduct</i>	-1.95	
			<i>For &gt;100, Deduct</i>	-3.90	
05 05 23 00-0052	EA		1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	30.98	1.82
			<i>For &gt;10 To 50, Deduct</i>	-0.76	
			<i>For &gt;50 To 100, Deduct</i>	-1.92	
			<i>For &gt;100, Deduct</i>	-3.83	
05 05 23 00-0053	EA		1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	34.97	1.94
			<i>For &gt;10 To 50, Deduct</i>	-0.81	
			<i>For &gt;50 To 100, Deduct</i>	-2.08	
			<i>For &gt;100, Deduct</i>	-4.17	
05 05 23 00-0054	EA		1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	40.85	2.08
			<i>For &gt;10 To 50, Deduct</i>	-0.87	
			<i>For &gt;50 To 100, Deduct</i>	-2.32	
			<i>For &gt;100, Deduct</i>	-4.64	
05 05 23 00-0055	EA		1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	47.72	2.22
			<i>For &gt;10 To 50, Deduct</i>	-0.92	
			<i>For &gt;50 To 100, Deduct</i>	-2.58	
			<i>For &gt;100, Deduct</i>	-5.15	
<b>05 05 23 00-0056</b>			<b>Galvanized A325 High Strength Structural Bolts</b> <small>(05 05 23 00-0033)</small>		
			Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0057	EA		1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt.....	13.01	1.30
			<i>For &gt;10 To 50, Deduct</i>	-0.54	
			<i>For &gt;50 To 100, Deduct</i>	-1.14	
			<i>For &gt;100, Deduct</i>	-2.28	
05 05 23 00-0058	EA		1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	13.18	1.30
			<i>For &gt;10 To 50, Deduct</i>	-0.54	
			<i>For &gt;50 To 100, Deduct</i>	-1.14	
			<i>For &gt;100, Deduct</i>	-2.29	
05 05 23 00-0059	EA		5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	14.59	1.30
			<i>For &gt;10 To 50, Deduct</i>	-0.54	
			<i>For &gt;50 To 100, Deduct</i>	-1.18	
			<i>For &gt;100, Deduct</i>	-2.36	
05 05 23 00-0060	EA		5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	17.25	1.48
			<i>For &gt;10 To 50, Deduct</i>	-0.62	
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100, Deduct</i>	-2.72	
05 05 23 00-0061	EA		5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	18.23	1.55
			<i>For &gt;10 To 50, Deduct</i>	-0.65	
			<i>For &gt;50 To 100, Deduct</i>	-1.43	
			<i>For &gt;100, Deduct</i>	-2.85	
05 05 23 00-0062	EA		3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	15.13	1.30
			<i>For &gt;10 To 50, Deduct</i>	-0.54	
			<i>For &gt;50 To 100, Deduct</i>	-1.19	
			<i>For &gt;100, Deduct</i>	-2.38	
05 05 23 00-0063	EA		3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	18.28	1.48
			<i>For &gt;10 To 50, Deduct</i>	-0.62	
			<i>For &gt;50 To 100, Deduct</i>	-1.38	
			<i>For &gt;100, Deduct</i>	-2.77	
05 05 23 00-0064	EA		3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	20.91	1.55
			<i>For &gt;10 To 50, Deduct</i>	-0.65	
			<i>For &gt;50 To 100, Deduct</i>	-1.49	
			<i>For &gt;100, Deduct</i>	-2.99	
05 05 23 00-0065	EA		3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	26.52	1.63
			<i>For &gt;10 To 50, Deduct</i>	-0.68	
			<i>For &gt;50 To 100, Deduct</i>	-1.68	
			<i>For &gt;100, Deduct</i>	-3.37	
05 05 23 00-0066	EA		7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	19.77	1.41
			<i>For &gt;10 To 50, Deduct</i>	-0.59	
			<i>For &gt;50 To 100, Deduct</i>	-1.38	
			<i>For &gt;100, Deduct</i>	-2.75	
05 05 23 00-0067	EA		7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	22.10	1.55
			<i>For &gt;10 To 50, Deduct</i>	-0.65	
			<i>For &gt;50 To 100, Deduct</i>	-1.52	
			<i>For &gt;100, Deduct</i>	-3.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0068 EA 7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	25.22	1.63
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.65	
For >100, Deduct	-3.30	
05 05 23 00-0069 EA 7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	31.20	1.71
For >10 To 50, Deduct	-0.71	
For >50 To 100, Deduct	-1.85	
For >100, Deduct	-3.70	
05 05 23 00-0070 EA 1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	20.81	1.46
For >10 To 50, Deduct	-0.61	
For >50 To 100, Deduct	-1.44	
For >100, Deduct	-2.87	
05 05 23 00-0071 EA 1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	27.34	1.63
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.70	
For >100, Deduct	-3.41	
05 05 23 00-0072 EA 1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	29.84	1.71
For >10 To 50, Deduct	-0.71	
For >50 To 100, Deduct	-1.82	
For >100, Deduct	-3.64	
05 05 23 00-0073 EA 1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	37.64	1.82
For >10 To 50, Deduct	-0.76	
For >50 To 100, Deduct	-2.08	
For >100, Deduct	-4.17	
05 05 23 00-0074 EA 1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	37.42	1.82
For >10 To 50, Deduct	-0.76	
For >50 To 100, Deduct	-2.08	
For >100, Deduct	-4.15	
05 05 23 00-0075 EA 1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	39.89	1.94
For >10 To 50, Deduct	-0.81	
For >50 To 100, Deduct	-2.21	
For >100, Deduct	-4.42	
05 05 23 00-0076 EA 1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	46.49	2.08
For >10 To 50, Deduct	-0.87	
For >50 To 100, Deduct	-2.46	
For >100, Deduct	-4.92	
05 05 23 00-0077 EA 1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	53.62	2.22
For >10 To 50, Deduct	-0.92	
For >50 To 100, Deduct	-2.72	
For >100, Deduct	-5.45	
<b>05 05 23 00-0078 A490 High Strength Structural Bolts</b> <small>(05 05 23 00-0001)</small>		
Note: Includes A490 heavy hex nut and two structural washers.		
<b>05 05 23 00-0079 Plain Finish A490 High Strength Structural Bolts</b> <small>(05 05 23 00-0078)</small>		
05 05 23 00-0080 EA 5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	13.94	1.30
For >10 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.16	
For >100, Deduct	-2.32	
05 05 23 00-0081 EA 5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	19.19	1.48
For >10 To 50, Deduct	-0.62	
For >50 To 100, Deduct	-1.41	
For >100, Deduct	-2.82	
05 05 23 00-0082 EA 5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	20.48	1.55
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.48	
For >100, Deduct	-2.96	
05 05 23 00-0083 EA 3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	15.46	1.30
For >10 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.20	
For >100, Deduct	-2.40	
05 05 23 00-0084 EA 3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	18.60	1.48
For >10 To 50, Deduct	-0.62	
For >50 To 100, Deduct	-1.39	
For >100, Deduct	-2.79	
05 05 23 00-0085 EA 3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	21.46	1.55
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.51	
For >100, Deduct	-3.01	
05 05 23 00-0086 EA 3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	27.19	1.63
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.70	
For >100, Deduct	-3.40	
05 05 23 00-0087 EA 7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	17.84	1.41
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.33	
For >100, Deduct	-2.66	
05 05 23 00-0088 EA 7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	20.70	1.55
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.49	
For >100, Deduct	-2.97	
05 05 23 00-0089 EA 7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	29.20	1.63
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.75	
For >100, Deduct	-3.50	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0090	EA		1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	20.76	1.46
			<i>For &gt;10 To 50, Deduct</i>	-0.61	
			<i>For &gt;50 To 100, Deduct</i>	-1.44	
			<i>For &gt;100, Deduct</i>	-2.87	
05 05 23 00-0091	EA		1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	24.68	1.63
			<i>For &gt;10 To 50, Deduct</i>	-0.68	
			<i>For &gt;50 To 100, Deduct</i>	-1.64	
			<i>For &gt;100, Deduct</i>	-3.28	
05 05 23 00-0092	EA		1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	28.19	1.71
			<i>For &gt;10 To 50, Deduct</i>	-0.71	
			<i>For &gt;50 To 100, Deduct</i>	-1.78	
			<i>For &gt;100, Deduct</i>	-3.55	
05 05 23 00-0093	EA		1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt.....	34.88	1.82
			<i>For &gt;10 To 50, Deduct</i>	-0.76	
			<i>For &gt;50 To 100, Deduct</i>	-2.01	
			<i>For &gt;100, Deduct</i>	-4.03	
05 05 23 00-0094	EA		1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	44.28	1.94
			<i>For &gt;10 To 50, Deduct</i>	-0.81	
			<i>For &gt;50 To 100, Deduct</i>	-2.32	
			<i>For &gt;100, Deduct</i>	-4.64	
05 05 23 00-0095	EA		1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	46.65	2.08
			<i>For &gt;10 To 50, Deduct</i>	-0.87	
			<i>For &gt;50 To 100, Deduct</i>	-2.46	
			<i>For &gt;100, Deduct</i>	-4.93	
05 05 23 00-0096	EA		1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	48.72	2.22
			<i>For &gt;10 To 50, Deduct</i>	-0.92	
			<i>For &gt;50 To 100, Deduct</i>	-2.60	
			<i>For &gt;100, Deduct</i>	-5.20	
05 05 23 00-0097			Hex Head Bolts <small>(05 05 23 00-0001)</small>		
05 05 23 00-0098			Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0099			1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0100	EA		1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.95	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0101	EA		1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.98	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0102	EA		1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.04	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0103	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.07	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0104	EA		1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.30	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0105	EA		1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.33	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0106	EA		1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.42	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0107	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.63	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0108	EA		1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.66	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0109	EA		1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.81	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0110	EA		1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.11	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0111	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.22	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0112 EA 1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.37	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0113 EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.90	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0114 EA 1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.14	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0115 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.20	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0116 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0117 EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.01	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0118 EA 5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.03	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0119 EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.09	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0120 EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.13	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0121 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.37	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0122 EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.47	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0123 EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.51	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0124 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.80	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0125 EA 5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.94	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0126 EA 5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.00	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0127 EA 5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.23	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0128 EA 5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.29	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0129 EA 5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.83	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0130 EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.29	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0131 EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.53	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0132 EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.74	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0133		<b>3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05)</small>		
		<small>23 00-0098</small>		
05 05 23 00-0134	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.08	
		<i>For &gt;100 To 250, Deduct</i>	-1.37	
		<i>For &gt;250 To 500, Deduct</i>	-1.72	
		<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0135	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.10	
		<i>For &gt;100 To 250, Deduct</i>	-1.37	
		<i>For &gt;250 To 500, Deduct</i>	-1.72	
		<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0136	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.17	
		<i>For &gt;100 To 250, Deduct</i>	-1.37	
		<i>For &gt;250 To 500, Deduct</i>	-1.72	
		<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0137	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.24	
		<i>For &gt;100 To 250, Deduct</i>	-1.37	
		<i>For &gt;250 To 500, Deduct</i>	-1.72	
		<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0138	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.49	
		<i>For &gt;100 To 250, Deduct</i>	-1.41	
		<i>For &gt;250 To 500, Deduct</i>	-1.77	
		<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0139	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.62	
		<i>For &gt;100 To 250, Deduct</i>	-1.41	
		<i>For &gt;250 To 500, Deduct</i>	-1.77	
		<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0140	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.74	
		<i>For &gt;100 To 250, Deduct</i>	-1.41	
		<i>For &gt;250 To 500, Deduct</i>	-1.77	
		<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0141	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.06	
		<i>For &gt;100 To 250, Deduct</i>	-1.45	
		<i>For &gt;250 To 500, Deduct</i>	-1.82	
		<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0142	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.23	
		<i>For &gt;100 To 250, Deduct</i>	-1.45	
		<i>For &gt;250 To 500, Deduct</i>	-1.82	
		<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0143	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.32	
		<i>For &gt;100 To 250, Deduct</i>	-1.45	
		<i>For &gt;250 To 500, Deduct</i>	-1.82	
		<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0144	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.67	
		<i>For &gt;100 To 250, Deduct</i>	-1.49	
		<i>For &gt;250 To 500, Deduct</i>	-1.86	
		<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0145	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.76	
		<i>For &gt;100 To 250, Deduct</i>	-1.49	
		<i>For &gt;250 To 500, Deduct</i>	-1.86	
		<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0146	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.83	
		<i>For &gt;100 To 250, Deduct</i>	-1.49	
		<i>For &gt;250 To 500, Deduct</i>	-1.86	
		<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0147	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.07	
		<i>For &gt;100 To 250, Deduct</i>	-1.53	
		<i>For &gt;250 To 500, Deduct</i>	-1.91	
		<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0148	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.17	
		<i>For &gt;100 To 250, Deduct</i>	-1.53	
		<i>For &gt;250 To 500, Deduct</i>	-1.91	
		<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0149	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.31	
		<i>For &gt;100 To 250, Deduct</i>	-1.53	
		<i>For &gt;250 To 500, Deduct</i>	-1.91	
		<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0150		<b>7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05)</small>		
		<small>23 00-0098</small>		
05 05 23 00-0151	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.35	
		<i>For &gt;100 To 250, Deduct</i>	-1.57	
		<i>For &gt;250 To 500, Deduct</i>	-1.96	
		<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0152	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.45	
		<i>For &gt;100 To 250, Deduct</i>	-1.57	
		<i>For &gt;250 To 500, Deduct</i>	-1.96	
		<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0153	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.46	
		<i>For &gt;100 To 250, Deduct</i>	-1.57	
		<i>For &gt;250 To 500, Deduct</i>	-1.96	
		<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0154	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.80	
		<i>For &gt;100 To 250, Deduct</i>	-1.61	
		<i>For &gt;250 To 500, Deduct</i>	-2.01	
		<i>For &gt;500, Deduct</i>	-2.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0155 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.95	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0156 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.08	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0157 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.60	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0158 EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.69	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0159 EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.87	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0160 EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.38	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0161 EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.47	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0162 EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.70	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0163 EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.99	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0164 EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.20	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0165 EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.61	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
<b>05 05 23 00-0166 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small></b>		
05 05 23 00-0167 EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.27	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0168 EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.39	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0169 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.51	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0170 EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.84	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0171 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.97	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0172 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.10	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0173 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.45	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0174 EA 1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.60	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0175 EA 1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.85	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0176	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.09	
	For >100 To 250, Deduct	-1.69	
	For >250 To 500, Deduct	-2.11	
	For >500, Deduct	-2.53	
05 05 23 00-0177	EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.12	
	For >100 To 250, Deduct	-1.69	
	For >250 To 500, Deduct	-2.11	
	For >500, Deduct	-2.53	
05 05 23 00-0178	EA 1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.34	
	For >100 To 250, Deduct	-1.69	
	For >250 To 500, Deduct	-2.11	
	For >500, Deduct	-2.53	
05 05 23 00-0179	EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.72	
	For >100 To 250, Deduct	-1.73	
	For >250 To 500, Deduct	-2.16	
	For >500, Deduct	-2.59	
05 05 23 00-0180	EA 1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.86	
	For >100 To 250, Deduct	-1.73	
	For >250 To 500, Deduct	-2.16	
	For >500, Deduct	-2.59	
05 05 23 00-0181	EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.23	
	For >100 To 250, Deduct	-1.73	
	For >250 To 500, Deduct	-2.16	
	For >500, Deduct	-2.59	
05 05 23 00-0182	EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.60	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
05 05 23 00-0183	EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.74	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
05 05 23 00-0184	EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.26	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
05 05 23 00-0185	EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.40	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
<b>05 05 23 00-0186</b>	<b>9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0098)</small>		
05 05 23 00-0187	EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.39	
	For >100 To 250, Deduct	-1.57	
	For >250 To 500, Deduct	-1.96	
	For >500, Deduct	-2.35	
05 05 23 00-0188	EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.56	
	For >100 To 250, Deduct	-1.57	
	For >250 To 500, Deduct	-1.96	
	For >500, Deduct	-2.35	
05 05 23 00-0189	EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.60	
	For >100 To 250, Deduct	-1.57	
	For >250 To 500, Deduct	-1.96	
	For >500, Deduct	-2.35	
05 05 23 00-0190	EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.34	
	For >100 To 250, Deduct	-1.61	
	For >250 To 500, Deduct	-2.01	
	For >500, Deduct	-2.41	
05 05 23 00-0191	EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.56	
	For >100 To 250, Deduct	-1.61	
	For >250 To 500, Deduct	-2.01	
	For >500, Deduct	-2.41	
05 05 23 00-0192	EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.63	
	For >100 To 250, Deduct	-1.61	
	For >250 To 500, Deduct	-2.01	
	For >500, Deduct	-2.41	
05 05 23 00-0193	EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.85	
	For >100 To 250, Deduct	-1.65	
	For >250 To 500, Deduct	-2.06	
	For >500, Deduct	-2.47	
05 05 23 00-0194	EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.90	
	For >100 To 250, Deduct	-1.65	
	For >250 To 500, Deduct	-2.06	
	For >500, Deduct	-2.47	
05 05 23 00-0195	EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.09	
	For >100 To 250, Deduct	-1.65	
	For >250 To 500, Deduct	-2.06	
	For >500, Deduct	-2.47	
05 05 23 00-0196	EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.34	
	For >100 To 250, Deduct	-1.69	
	For >250 To 500, Deduct	-2.11	
	For >500, Deduct	-2.53	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0197	EA			9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.39	
				<i>For &gt;100 To 250, Deduct</i>	-1.69	
				<i>For &gt;250 To 500, Deduct</i>	-2.11	
				<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0198	EA			9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.55	
				<i>For &gt;100 To 250, Deduct</i>	-1.69	
				<i>For &gt;250 To 500, Deduct</i>	-2.11	
				<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0199	EA			9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.92	
				<i>For &gt;100 To 250, Deduct</i>	-1.73	
				<i>For &gt;250 To 500, Deduct</i>	-2.16	
				<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0200	EA			9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.11	
				<i>For &gt;100 To 250, Deduct</i>	-1.73	
				<i>For &gt;250 To 500, Deduct</i>	-2.16	
				<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0201	EA			9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.31	
				<i>For &gt;100 To 250, Deduct</i>	-1.73	
				<i>For &gt;250 To 500, Deduct</i>	-2.16	
				<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0202	EA			9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.67	
				<i>For &gt;100 To 250, Deduct</i>	-1.76	
				<i>For &gt;250 To 500, Deduct</i>	-2.21	
				<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0203	EA			9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.90	
				<i>For &gt;100 To 250, Deduct</i>	-1.76	
				<i>For &gt;250 To 500, Deduct</i>	-2.21	
				<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0204	EA			9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.05	
				<i>For &gt;100 To 250, Deduct</i>	-1.76	
				<i>For &gt;250 To 500, Deduct</i>	-2.21	
				<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0205	EA			9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.29	
				<i>For &gt;100 To 250, Deduct</i>	-1.76	
				<i>For &gt;250 To 500, Deduct</i>	-2.21	
				<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0206	EA			5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small> .....	9.74	
				<i>For &gt;100 To 250, Deduct</i>	-1.76	
				<i>For &gt;250 To 500, Deduct</i>	-2.21	
				<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0207	EA			5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.74	
				<i>For &gt;100 To 250, Deduct</i>	-1.76	
				<i>For &gt;250 To 500, Deduct</i>	-2.21	
				<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0208	EA			5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.85	
				<i>For &gt;100 To 250, Deduct</i>	-1.76	
				<i>For &gt;250 To 500, Deduct</i>	-2.21	
				<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0209	EA			5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.99	
				<i>For &gt;100 To 250, Deduct</i>	-1.76	
				<i>For &gt;250 To 500, Deduct</i>	-2.21	
				<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0210	EA			5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.39	
				<i>For &gt;100 To 250, Deduct</i>	-1.80	
				<i>For &gt;250 To 500, Deduct</i>	-2.26	
				<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0211	EA			5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.60	
				<i>For &gt;100 To 250, Deduct</i>	-1.80	
				<i>For &gt;250 To 500, Deduct</i>	-2.26	
				<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0212	EA			5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.87	
				<i>For &gt;100 To 250, Deduct</i>	-1.80	
				<i>For &gt;250 To 500, Deduct</i>	-2.26	
				<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0213	EA			5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.40	
				<i>For &gt;100 To 250, Deduct</i>	-1.84	
				<i>For &gt;250 To 500, Deduct</i>	-2.30	
				<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0214	EA			5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.81	
				<i>For &gt;100 To 250, Deduct</i>	-1.84	
				<i>For &gt;250 To 500, Deduct</i>	-2.30	
				<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0215	EA			5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.13	
				<i>For &gt;100 To 250, Deduct</i>	-1.84	
				<i>For &gt;250 To 500, Deduct</i>	-2.30	
				<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0216	EA			5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.46	
				<i>For &gt;100 To 250, Deduct</i>	-1.88	
				<i>For &gt;250 To 500, Deduct</i>	-2.35	
				<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0217	EA			5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.50	
				<i>For &gt;100 To 250, Deduct</i>	-1.88	
				<i>For &gt;250 To 500, Deduct</i>	-2.35	
				<i>For &gt;500, Deduct</i>	-2.82	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0218	EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.04	
	<i>For &gt;100 To 250, Deduct</i>	-1.88	
	<i>For &gt;250 To 500, Deduct</i>	-2.35	
	<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0219	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.54	
	<i>For &gt;100 To 250, Deduct</i>	-1.92	
	<i>For &gt;250 To 500, Deduct</i>	-2.40	
	<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0220	EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.97	
	<i>For &gt;100 To 250, Deduct</i>	-1.92	
	<i>For &gt;250 To 500, Deduct</i>	-2.40	
	<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0221	EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.48	
	<i>For &gt;100 To 250, Deduct</i>	-1.92	
	<i>For &gt;250 To 500, Deduct</i>	-2.40	
	<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0222	EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.22	
	<i>For &gt;100 To 250, Deduct</i>	-1.96	
	<i>For &gt;250 To 500, Deduct</i>	-2.45	
	<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0223	EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.71	
	<i>For &gt;100 To 250, Deduct</i>	-1.96	
	<i>For &gt;250 To 500, Deduct</i>	-2.45	
	<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0224	EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.22	
	<i>For &gt;100 To 250, Deduct</i>	-1.96	
	<i>For &gt;250 To 500, Deduct</i>	-2.45	
	<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0225	EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.61	
	<i>For &gt;100 To 250, Deduct</i>	-1.96	
	<i>For &gt;250 To 500, Deduct</i>	-2.45	
	<i>For &gt;500, Deduct</i>	-2.94	
<b>05 05 23 00-0226</b>	<b>3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small></b>		
05 05 23 00-0227	EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.10	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.21	
	<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0228	EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.33	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.21	
	<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0229	EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.53	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.21	
	<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0230	EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.99	
	<i>For &gt;100 To 250, Deduct</i>	-1.80	
	<i>For &gt;250 To 500, Deduct</i>	-2.26	
	<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0231	EA 3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.31	
	<i>For &gt;100 To 250, Deduct</i>	-1.80	
	<i>For &gt;250 To 500, Deduct</i>	-2.26	
	<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0232	EA 3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.59	
	<i>For &gt;100 To 250, Deduct</i>	-1.80	
	<i>For &gt;250 To 500, Deduct</i>	-2.26	
	<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0233	EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.08	
	<i>For &gt;100 To 250, Deduct</i>	-1.84	
	<i>For &gt;250 To 500, Deduct</i>	-2.30	
	<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0234	EA 3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.47	
	<i>For &gt;100 To 250, Deduct</i>	-1.84	
	<i>For &gt;250 To 500, Deduct</i>	-2.30	
	<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0235	EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.78	
	<i>For &gt;100 To 250, Deduct</i>	-1.84	
	<i>For &gt;250 To 500, Deduct</i>	-2.30	
	<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0236	EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.62	
	<i>For &gt;100 To 250, Deduct</i>	-1.88	
	<i>For &gt;250 To 500, Deduct</i>	-2.35	
	<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0237	EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.88	
	<i>For &gt;100 To 250, Deduct</i>	-1.88	
	<i>For &gt;250 To 500, Deduct</i>	-2.35	
	<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0238	EA 3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.36	
	<i>For &gt;100 To 250, Deduct</i>	-1.88	
	<i>For &gt;250 To 500, Deduct</i>	-2.35	
	<i>For &gt;500, Deduct</i>	-2.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0239 EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.58	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0240 EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.71	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0241 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.23	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0242 EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.12	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0243 EA 3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.64	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0244 EA 3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.34	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0245 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.02	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0246 <b>7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0098)</small>		
05 05 23 00-0247 EA 7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.26	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0248 EA 7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.45	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0249 EA 7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.54	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0250 EA 7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.00	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0251 EA 7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.51	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0252 EA 7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.11	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0253 EA 7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.81	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0254 EA 7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.68	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0255 EA 7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.16	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0256 EA 7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.73	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0257 EA 7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.02	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0258 EA 7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.71	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0259 EA 7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.60	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0260	EA 7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.29	
	For >100 To 250, Deduct	-2.12	
	For >250 To 500, Deduct	-2.65	
	For >500, Deduct	-3.18	
05 05 23 00-0261	EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.98	
	For >100 To 250, Deduct	-2.12	
	For >250 To 500, Deduct	-2.65	
	For >500, Deduct	-3.18	
05 05 23 00-0262	EA 7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.82	
	For >100 To 250, Deduct	-2.16	
	For >250 To 500, Deduct	-2.70	
	For >500, Deduct	-3.23	
05 05 23 00-0263	EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.55	
	For >100 To 250, Deduct	-2.16	
	For >250 To 500, Deduct	-2.70	
	For >500, Deduct	-3.23	
05 05 23 00-0264	EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.21	
	For >100 To 250, Deduct	-2.16	
	For >250 To 500, Deduct	-2.70	
	For >500, Deduct	-3.23	
05 05 23 00-0265	EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.93	
	For >100 To 250, Deduct	-2.16	
	For >250 To 500, Deduct	-2.70	
	For >500, Deduct	-3.23	
05 05 23 00-0266	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small> .....		
05 05 23 00-0267	EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.11	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	
05 05 23 00-0268	EA 1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.37	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	
05 05 23 00-0269	EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.36	
	For >100 To 250, Deduct	-2.00	
	For >250 To 500, Deduct	-2.50	
	For >500, Deduct	-3.00	
05 05 23 00-0270	EA 1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.35	
	For >100 To 250, Deduct	-2.00	
	For >250 To 500, Deduct	-2.50	
	For >500, Deduct	-3.00	
05 05 23 00-0271	EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.26	
	For >100 To 250, Deduct	-2.00	
	For >250 To 500, Deduct	-2.50	
	For >500, Deduct	-3.00	
05 05 23 00-0272	EA 1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.39	
	For >100 To 250, Deduct	-2.04	
	For >250 To 500, Deduct	-2.55	
	For >500, Deduct	-3.06	
05 05 23 00-0273	EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.26	
	For >100 To 250, Deduct	-2.04	
	For >250 To 500, Deduct	-2.55	
	For >500, Deduct	-3.06	
05 05 23 00-0274	EA 1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.17	
	For >100 To 250, Deduct	-2.04	
	For >250 To 500, Deduct	-2.55	
	For >500, Deduct	-3.06	
05 05 23 00-0275	EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.81	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	
05 05 23 00-0276	EA 1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.24	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	
05 05 23 00-0277	EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.00	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	
05 05 23 00-0278	EA 1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.96	
	For >100 To 250, Deduct	-2.12	
	For >250 To 500, Deduct	-2.65	
	For >500, Deduct	-3.18	
05 05 23 00-0279	EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.71	
	For >100 To 250, Deduct	-2.12	
	For >250 To 500, Deduct	-2.65	
	For >500, Deduct	-3.18	
05 05 23 00-0280	EA 1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.49	
	For >100 To 250, Deduct	-2.12	
	For >250 To 500, Deduct	-2.65	
	For >500, Deduct	-3.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0281 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.30	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0282 EA 1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.19	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0283 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.97	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0284 EA 1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.76	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0285 Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0087)</small>		
05 05 23 00-0286 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0287 EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.00	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0288 EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.04	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0289 EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.07	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0290 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.14	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0291 EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.40	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0292 EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.51	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0293 EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.64	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0294 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.95	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0295 EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.10	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0296 EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.21	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0297 EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.52	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0298 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.62	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0299 EA 1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.72	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0300 EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.06	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0301 EA 1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.20	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0302 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.34	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0303	5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0304	EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.08	
	For >100 To 250, Deduct	-1.37	
	For >250 To 500, Deduct	-1.72	
	For >500, Deduct	-2.06	
05 05 23 00-0305	EA 5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.11	
	For >100 To 250, Deduct	-1.37	
	For >250 To 500, Deduct	-1.72	
	For >500, Deduct	-2.06	
05 05 23 00-0306	EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.15	
	For >100 To 250, Deduct	-1.37	
	For >250 To 500, Deduct	-1.72	
	For >500, Deduct	-2.06	
05 05 23 00-0307	EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.24	
	For >100 To 250, Deduct	-1.37	
	For >250 To 500, Deduct	-1.72	
	For >500, Deduct	-2.06	
05 05 23 00-0308	EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.50	
	For >100 To 250, Deduct	-1.41	
	For >250 To 500, Deduct	-1.77	
	For >500, Deduct	-2.12	
05 05 23 00-0309	EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.61	
	For >100 To 250, Deduct	-1.41	
	For >250 To 500, Deduct	-1.77	
	For >500, Deduct	-2.12	
05 05 23 00-0310	EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.82	
	For >100 To 250, Deduct	-1.41	
	For >250 To 500, Deduct	-1.77	
	For >500, Deduct	-2.12	
05 05 23 00-0311	EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.12	
	For >100 To 250, Deduct	-1.45	
	For >250 To 500, Deduct	-1.82	
	For >500, Deduct	-2.18	
05 05 23 00-0312	EA 5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.27	
	For >100 To 250, Deduct	-1.45	
	For >250 To 500, Deduct	-1.82	
	For >500, Deduct	-2.18	
05 05 23 00-0313	EA 5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.42	
	For >100 To 250, Deduct	-1.45	
	For >250 To 500, Deduct	-1.82	
	For >500, Deduct	-2.18	
05 05 23 00-0314	EA 5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.90	
	For >100 To 250, Deduct	-1.49	
	For >250 To 500, Deduct	-1.86	
	For >500, Deduct	-2.24	
05 05 23 00-0315	EA 5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.95	
	For >100 To 250, Deduct	-1.49	
	For >250 To 500, Deduct	-1.86	
	For >500, Deduct	-2.24	
05 05 23 00-0316	EA 5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.14	
	For >100 To 250, Deduct	-1.49	
	For >250 To 500, Deduct	-1.86	
	For >500, Deduct	-2.24	
05 05 23 00-0317	EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.60	
	For >100 To 250, Deduct	-1.53	
	For >250 To 500, Deduct	-1.91	
	For >500, Deduct	-2.30	
05 05 23 00-0318	EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.87	
	For >100 To 250, Deduct	-1.53	
	For >250 To 500, Deduct	-1.91	
	For >500, Deduct	-2.30	
05 05 23 00-0319	EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.12	
	For >100 To 250, Deduct	-1.53	
	For >250 To 500, Deduct	-1.91	
	For >500, Deduct	-2.30	
05 05 23 00-0320	3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0321	EA 3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.12	
	For >100 To 250, Deduct	-1.37	
	For >250 To 500, Deduct	-1.72	
	For >500, Deduct	-2.06	
05 05 23 00-0322	EA 3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.14	
	For >100 To 250, Deduct	-1.37	
	For >250 To 500, Deduct	-1.72	
	For >500, Deduct	-2.06	
05 05 23 00-0323	EA 3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.23	
	For >100 To 250, Deduct	-1.37	
	For >250 To 500, Deduct	-1.72	
	For >500, Deduct	-2.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0324 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.33	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0325 EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.62	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0326 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.73	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0327 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.91	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0328 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.30	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0329 EA 3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.71	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0330 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.89	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0331 EA 3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.33	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0332 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.50	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0333 EA 3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.81	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0334 EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.24	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0335 EA 3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.65	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0336 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.98	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
<b>05 05 23 00-0337 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small>		
05 05 23 00-0338 EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.28	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0339 EA 7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.36	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0340 EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.57	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0341 EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.93	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0342 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.09	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0343 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.23	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0344 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.61	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0345	EA		7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.42	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0346	EA		7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0347	EA		7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.10	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0348	EA		7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.26	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0349	EA		7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.44	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0350	EA		7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.86	
			<i>For &gt;100 To 250, Deduct</i>	-1.73	
			<i>For &gt;250 To 500, Deduct</i>	-2.16	
			<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0351	EA		7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.10	
			<i>For &gt;100 To 250, Deduct</i>	-1.73	
			<i>For &gt;250 To 500, Deduct</i>	-2.16	
			<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0352	EA		7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.34	
			<i>For &gt;100 To 250, Deduct</i>	-1.73	
			<i>For &gt;250 To 500, Deduct</i>	-2.16	
			<i>For &gt;500, Deduct</i>	-2.59	
<b>05 05 23 00-0353</b>			<b>1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small>		
05 05 23 00-0354	EA		1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.39	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0355	EA		1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0356	EA		1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.62	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0357	EA		1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.02	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0358	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.20	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0359	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.39	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0360	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.76	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0361	EA		1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.40	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0362	EA		1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.44	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0363	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.08	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0364	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.32	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0365	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.96	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0366 EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.73	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0367 EA 1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.08	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0368 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.22	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0369 EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.07	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0370 EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.69	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0371 EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.57	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0372 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.91	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
<b>05 05 23 00-0373 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small>		
05 05 23 00-0374 EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.73	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0375 EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.94	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0376 EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.12	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0377 EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.53	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0378 EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.78	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0379 EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.07	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0380 EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.59	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0381 EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.70	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0382 EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.99	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0383 EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.52	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0384 EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.82	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0385 EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.85	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0386 EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.30	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0387	EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	15.72	
	<i>For &gt;100 To 250, Deduct</i>	-1.73	
	<i>For &gt;250 To 500, Deduct</i>	-2.16	
	<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0388	EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	16.43	
	<i>For &gt;100 To 250, Deduct</i>	-1.73	
	<i>For &gt;250 To 500, Deduct</i>	-2.16	
	<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0389	EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	17.29	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.21	
	<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0390	EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	17.54	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.21	
	<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0391	EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	17.80	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.21	
	<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0392	EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	18.44	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.21	
	<i>For &gt;500, Deduct</i>	-2.65	
<b>05 05 23 00-0393</b>	<b>5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small>		
05 05 23 00-0394	EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.93	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.21	
	<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0395	EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.00	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.21	
	<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0396	EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.06	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.21	
	<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0397	EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.46	
	<i>For &gt;100 To 250, Deduct</i>	-1.80	
	<i>For &gt;250 To 500, Deduct</i>	-2.26	
	<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0398	EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.80	
	<i>For &gt;100 To 250, Deduct</i>	-1.80	
	<i>For &gt;250 To 500, Deduct</i>	-2.26	
	<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0399	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	11.10	
	<i>For &gt;100 To 250, Deduct</i>	-1.80	
	<i>For &gt;250 To 500, Deduct</i>	-2.26	
	<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0400	EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	11.61	
	<i>For &gt;100 To 250, Deduct</i>	-1.84	
	<i>For &gt;250 To 500, Deduct</i>	-2.30	
	<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0401	EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.21	
	<i>For &gt;100 To 250, Deduct</i>	-1.84	
	<i>For &gt;250 To 500, Deduct</i>	-2.30	
	<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0402	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.53	
	<i>For &gt;100 To 250, Deduct</i>	-1.84	
	<i>For &gt;250 To 500, Deduct</i>	-2.30	
	<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0403	EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.89	
	<i>For &gt;100 To 250, Deduct</i>	-1.88	
	<i>For &gt;250 To 500, Deduct</i>	-2.35	
	<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0404	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	13.40	
	<i>For &gt;100 To 250, Deduct</i>	-1.88	
	<i>For &gt;250 To 500, Deduct</i>	-2.35	
	<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0405	EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	14.21	
	<i>For &gt;100 To 250, Deduct</i>	-1.88	
	<i>For &gt;250 To 500, Deduct</i>	-2.35	
	<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0406	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	15.14	
	<i>For &gt;100 To 250, Deduct</i>	-1.92	
	<i>For &gt;250 To 500, Deduct</i>	-2.40	
	<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0407	EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	15.81	
	<i>For &gt;100 To 250, Deduct</i>	-1.92	
	<i>For &gt;250 To 500, Deduct</i>	-2.40	
	<i>For &gt;500, Deduct</i>	-2.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0408 EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	15.91	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0409 EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	17.32	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0410 EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	18.23	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0411 EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	19.55	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0412 EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	20.01	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
<b>05 05 23 00-0413 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small>		
05 05 23 00-0414 EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.69	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0415 EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.82	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0416 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.89	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0417 EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	11.38	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0418 EA 3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	11.72	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0419 EA 3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.23	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0420 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.77	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0421 EA 3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	13.10	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0422 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	13.80	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0423 EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	14.32	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0424 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	14.89	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0425 EA 3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	15.59	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0426 EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	16.77	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0427 EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	17.50	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0428 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	17.91	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0429	EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.20	
	<i>For &gt;100 To 250, Deduct</i>	-1.96	
	<i>For &gt;250 To 500, Deduct</i>	-2.45	
	<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0430	EA 3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.57	
	<i>For &gt;100 To 250, Deduct</i>	-1.96	
	<i>For &gt;250 To 500, Deduct</i>	-2.45	
	<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0431	EA 3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.77	
	<i>For &gt;100 To 250, Deduct</i>	-1.96	
	<i>For &gt;250 To 500, Deduct</i>	-2.45	
	<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0432	EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.07	
	<i>For &gt;100 To 250, Deduct</i>	-1.96	
	<i>For &gt;250 To 500, Deduct</i>	-2.45	
	<i>For &gt;500, Deduct</i>	-2.94	
<b>05 05 23 00-0433</b>	<b>7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small>		
05 05 23 00-0434	EA 7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.62	
	<i>For &gt;100 To 250, Deduct</i>	-1.96	
	<i>For &gt;250 To 500, Deduct</i>	-2.45	
	<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0435	EA 7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.79	
	<i>For &gt;100 To 250, Deduct</i>	-1.96	
	<i>For &gt;250 To 500, Deduct</i>	-2.45	
	<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0436	EA 7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.01	
	<i>For &gt;100 To 250, Deduct</i>	-1.96	
	<i>For &gt;250 To 500, Deduct</i>	-2.45	
	<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0437	EA 7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.44	
	<i>For &gt;100 To 250, Deduct</i>	-2.00	
	<i>For &gt;250 To 500, Deduct</i>	-2.50	
	<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0438	EA 7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.12	
	<i>For &gt;100 To 250, Deduct</i>	-2.00	
	<i>For &gt;250 To 500, Deduct</i>	-2.50	
	<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0439	EA 7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.57	
	<i>For &gt;100 To 250, Deduct</i>	-2.00	
	<i>For &gt;250 To 500, Deduct</i>	-2.50	
	<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0440	EA 7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.11	
	<i>For &gt;100 To 250, Deduct</i>	-2.04	
	<i>For &gt;250 To 500, Deduct</i>	-2.55	
	<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0441	EA 7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.91	
	<i>For &gt;100 To 250, Deduct</i>	-2.04	
	<i>For &gt;250 To 500, Deduct</i>	-2.55	
	<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0442	EA 7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.51	
	<i>For &gt;100 To 250, Deduct</i>	-2.04	
	<i>For &gt;250 To 500, Deduct</i>	-2.55	
	<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0443	EA 7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.99	
	<i>For &gt;100 To 250, Deduct</i>	-2.08	
	<i>For &gt;250 To 500, Deduct</i>	-2.60	
	<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0444	EA 7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.49	
	<i>For &gt;100 To 250, Deduct</i>	-2.08	
	<i>For &gt;250 To 500, Deduct</i>	-2.60	
	<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0445	EA 7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.65	
	<i>For &gt;100 To 250, Deduct</i>	-2.08	
	<i>For &gt;250 To 500, Deduct</i>	-2.60	
	<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0446	EA 7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.62	
	<i>For &gt;100 To 250, Deduct</i>	-2.12	
	<i>For &gt;250 To 500, Deduct</i>	-2.65	
	<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0447	EA 7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.56	
	<i>For &gt;100 To 250, Deduct</i>	-2.12	
	<i>For &gt;250 To 500, Deduct</i>	-2.65	
	<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0448	EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.62	
	<i>For &gt;100 To 250, Deduct</i>	-2.12	
	<i>For &gt;250 To 500, Deduct</i>	-2.65	
	<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0449	EA 7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.18	
	<i>For &gt;100 To 250, Deduct</i>	-2.16	
	<i>For &gt;250 To 500, Deduct</i>	-2.70	
	<i>For &gt;500, Deduct</i>	-3.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0450 EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.10	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0451 EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.89	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0452 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	25.68	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
<b>05 05 23 00-0453 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small>		
05 05 23 00-0454 EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.13	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0455 EA 1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.18	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0456 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.89	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0457 EA 1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.54	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0458 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.03	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0459 EA 1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.84	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0460 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.61	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0461 EA 1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.73	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0462 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.72	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0463 EA 1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.96	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0464 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.52	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0465 EA 1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.72	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0466 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.39	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0467 EA 1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.86	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0468 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	30.37	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0469 EA 1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	30.80	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0470 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	31.94	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0471 EA 1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	32.72	
For >100 To 250, Deduct	-2.16	
For >250 To 500, Deduct	-2.70	
For >500, Deduct	-3.23	
<b>05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0097)</b>		
<b>05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)</b>		
05 05 23 00-0474 EA 1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.02	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.06	
05 05 23 00-0475 EA 1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.10	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.06	
05 05 23 00-0476 EA 1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.14	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.06	
05 05 23 00-0477 EA 1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.22	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.06	
05 05 23 00-0478 EA 1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.47	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0479 EA 1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.56	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0480 EA 1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.65	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0481 EA 1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.86	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-1.82	
For >500, Deduct	-2.18	
05 05 23 00-0482 EA 1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.12	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-1.82	
For >500, Deduct	-2.18	
05 05 23 00-0483 EA 1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.36	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-1.82	
For >500, Deduct	-2.18	
05 05 23 00-0484 EA 1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.67	
For >100 To 250, Deduct	-1.49	
For >250 To 500, Deduct	-1.86	
For >500, Deduct	-2.24	
05 05 23 00-0485 EA 1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.80	
For >100 To 250, Deduct	-1.49	
For >250 To 500, Deduct	-1.86	
For >500, Deduct	-2.24	
05 05 23 00-0486 EA 1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.97	
For >100 To 250, Deduct	-1.49	
For >250 To 500, Deduct	-1.86	
For >500, Deduct	-2.24	
05 05 23 00-0487 EA 1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.28	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
05 05 23 00-0488 EA 1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.60	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
05 05 23 00-0489 EA 1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.74	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
<b>05 05 23 00-0490 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)</b>		
05 05 23 00-0491 EA 5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.09	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.06	
05 05 23 00-0492 EA 5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.14	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0493 EA 5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.29	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0494 EA 5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.32	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0495 EA 5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.60	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0496 EA 5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.82	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0497 EA 5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.89	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0498 EA 5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.22	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0499 EA 5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	8.37	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0500 EA 5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.70	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0501 EA 5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.08	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0502 EA 5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.21	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0503 EA 5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.40	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0504 EA 5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.73	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0505 EA 5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.88	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0506 EA 5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.15	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
<b>05 05 23 00-0507 3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0472)</small>		
05 05 23 00-0508 EA 3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.25	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0509 EA 3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.27	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0510 EA 3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.28	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0511 EA 3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.46	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0512 EA 3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.76	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0513 EA 3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.94	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0514	EA		3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.10	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0515	EA		3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.81	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0516	EA		3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.02	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0517	EA		3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.06	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0518	EA		3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.33	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0519	EA		3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.55	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0520	EA		3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.56	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0521	EA		3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.00	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0522	EA		3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.45	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0523	EA		3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.51	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0524			<b>7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0472)</small>		
05 05 23 00-0525	EA		7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.40	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0526	EA		7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.42	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0527	EA		7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.71	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0528	EA		7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.93	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0529	EA		7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.25	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0530	EA		7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.43	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0531	EA		7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.65	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0532	EA		7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.35	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0533	EA		7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.91	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0534	EA		7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.49	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0535 EA 7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.68	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0536 EA 7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.97	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0537 EA 7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.59	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0538 EA 7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	13.53	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0539 EA 7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.60	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
<b>05 05 23 00-0540 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0472)</small>		
05 05 23 00-0541 EA 1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.58	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0542 EA 1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	8.79	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0543 EA 1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.92	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0544 EA 1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.25	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0545 EA 1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.48	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0546 EA 1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.99	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0547 EA 1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.54	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0548 EA 1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	10.84	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0549 EA 1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.05	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0550 EA 1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.63	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0551 EA 1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.28	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0552 EA 1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	12.87	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0553 EA 1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.58	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0554 EA 1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	13.84	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0555 EA 1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.58	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0556	EA 1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.01	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.21	
	<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0557	EA 1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.54	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.21	
	<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0558	EA 1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.82	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.21	
	<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0559	EA 1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.14	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.21	
	<i>For &gt;500, Deduct</i>	-2.65	
<b>05 05 23 00-0560</b>	<b>9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)</b>		
05 05 23 00-0561	EA 9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.77	
	<i>For &gt;100 To 250, Deduct</i>	-1.57	
	<i>For &gt;250 To 500, Deduct</i>	-1.96	
	<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0562	EA 9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.90	
	<i>For &gt;100 To 250, Deduct</i>	-1.57	
	<i>For &gt;250 To 500, Deduct</i>	-1.96	
	<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0563	EA 9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.18	
	<i>For &gt;100 To 250, Deduct</i>	-1.57	
	<i>For &gt;250 To 500, Deduct</i>	-1.96	
	<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0564	EA 9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.81	
	<i>For &gt;100 To 250, Deduct</i>	-1.61	
	<i>For &gt;250 To 500, Deduct</i>	-2.01	
	<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0565	EA 9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.91	
	<i>For &gt;100 To 250, Deduct</i>	-1.61	
	<i>For &gt;250 To 500, Deduct</i>	-2.01	
	<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0566	EA 9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.33	
	<i>For &gt;100 To 250, Deduct</i>	-1.61	
	<i>For &gt;250 To 500, Deduct</i>	-2.01	
	<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0567	EA 9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.80	
	<i>For &gt;100 To 250, Deduct</i>	-1.65	
	<i>For &gt;250 To 500, Deduct</i>	-2.06	
	<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0568	EA 9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.17	
	<i>For &gt;100 To 250, Deduct</i>	-1.65	
	<i>For &gt;250 To 500, Deduct</i>	-2.06	
	<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0569	EA 9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.44	
	<i>For &gt;100 To 250, Deduct</i>	-1.65	
	<i>For &gt;250 To 500, Deduct</i>	-2.06	
	<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0570	EA 9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.86	
	<i>For &gt;100 To 250, Deduct</i>	-1.69	
	<i>For &gt;250 To 500, Deduct</i>	-2.11	
	<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0571	EA 9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.46	
	<i>For &gt;100 To 250, Deduct</i>	-1.69	
	<i>For &gt;250 To 500, Deduct</i>	-2.11	
	<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0572	EA 9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.71	
	<i>For &gt;100 To 250, Deduct</i>	-1.69	
	<i>For &gt;250 To 500, Deduct</i>	-2.11	
	<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0573	EA 9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.54	
	<i>For &gt;100 To 250, Deduct</i>	-1.73	
	<i>For &gt;250 To 500, Deduct</i>	-2.16	
	<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0574	EA 9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.79	
	<i>For &gt;100 To 250, Deduct</i>	-1.73	
	<i>For &gt;250 To 500, Deduct</i>	-2.16	
	<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0575	EA 9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.33	
	<i>For &gt;100 To 250, Deduct</i>	-1.73	
	<i>For &gt;250 To 500, Deduct</i>	-2.16	
	<i>For &gt;500, Deduct</i>	-2.59	

05 05 23 00-0576 5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0577 EA 5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.20	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0578 EA 5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	10.32	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0579 EA 5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.64	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0580 EA 5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.30	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0581 EA 5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.68	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0582 EA 5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.88	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0583 EA 5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.22	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0584 EA 5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	12.89	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0585 EA 5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.19	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0586 EA 5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	13.71	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0587 EA 5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.03	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0588 EA 5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	14.70	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0589 EA 5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.47	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0590 EA 5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	17.23	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0591 EA 5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.54	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0592 EA 5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	19.09	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0593 EA 5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.58	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0594 EA 5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	20.69	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0595 EA 5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.08	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
<b>05 05 23 00-0596 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0472)</small>		
05 05 23 00-0597 EA 3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.90	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0598	EA 3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.04	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
05 05 23 00-0599	EA 3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.13	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
05 05 23 00-0600	EA 3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.52	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-0601	EA 3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.80	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-0602	EA 3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.61	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-0603	EA 3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.14	
	For >100 To 250, Deduct	-1.84	
	For >250 To 500, Deduct	-2.30	
	For >500, Deduct	-2.76	
05 05 23 00-0604	EA 3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.21	
	For >100 To 250, Deduct	-1.84	
	For >250 To 500, Deduct	-2.30	
	For >500, Deduct	-2.76	
05 05 23 00-0605	EA 3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.31	
	For >100 To 250, Deduct	-1.84	
	For >250 To 500, Deduct	-2.30	
	For >500, Deduct	-2.76	
05 05 23 00-0606	EA 3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.91	
	For >100 To 250, Deduct	-1.88	
	For >250 To 500, Deduct	-2.35	
	For >500, Deduct	-2.82	
05 05 23 00-0607	EA 3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.49	
	For >100 To 250, Deduct	-1.88	
	For >250 To 500, Deduct	-2.35	
	For >500, Deduct	-2.82	
05 05 23 00-0608	EA 3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.56	
	For >100 To 250, Deduct	-1.88	
	For >250 To 500, Deduct	-2.35	
	For >500, Deduct	-2.82	
05 05 23 00-0609	EA 3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.07	
	For >100 To 250, Deduct	-1.92	
	For >250 To 500, Deduct	-2.40	
	For >500, Deduct	-2.88	
05 05 23 00-0610	EA 3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.64	
	For >100 To 250, Deduct	-1.92	
	For >250 To 500, Deduct	-2.40	
	For >500, Deduct	-2.88	
05 05 23 00-0611	EA 3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.94	
	For >100 To 250, Deduct	-1.92	
	For >250 To 500, Deduct	-2.40	
	For >500, Deduct	-2.88	
05 05 23 00-0612	EA 3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.56	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	
05 05 23 00-0613	EA 3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.60	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	
05 05 23 00-0614	EA 3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.35	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	
05 05 23 00-0615	EA 3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.63	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	
05 05 23 00-0616	7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472).....	13.83	
	EA 7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.83	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	
05 05 23 00-0618	EA 7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.19	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0619 EA 7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	14.92	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0620 EA 7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.98	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0621 EA 7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	16.11	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0622 EA 7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.53	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0623 EA 7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	19.11	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0624 EA 7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.77	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0625 EA 7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	21.49	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0626 EA 7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.45	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0627 EA 7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	24.95	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0628 EA 7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.98	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0629 EA 7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	28.54	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0630 EA 7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	29.58	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0631 EA 7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	30.60	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0632 EA 7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	30.90	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0633 EA 7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	31.16	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0634 EA 7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	31.77	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
<b>05 05 23 00-0635 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0472)</small>		
05 05 23 00-0636 EA 1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	14.85	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0637 EA 1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.74	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0638 EA 1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	16.33	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0639 EA 1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.00	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0640	EA		1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.25	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0641	EA		1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.78	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0642	EA		1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.86	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0643	EA		1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.30	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0644	EA		1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.16	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0645	EA		1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.77	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0646	EA		1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.78	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0647	EA		1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.44	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0648	EA		1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	29.84	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0649	EA		1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	30.42	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0650	EA		1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	32.42	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0651	EA		1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	33.40	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0652	EA		1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	35.99	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0653	EA		1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	37.57	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0654			Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0655			1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0656	EA		1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.13	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0657	EA		1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.14	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0658	EA		1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.16	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0659	EA		1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.34	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0660	EA		1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.62	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0661	EA			1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.73	
				<i>For &gt;100 To 250, Deduct</i>	-1.41	
				<i>For &gt;250 To 500, Deduct</i>	-1.77	
				<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0662	EA			1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.77	
				<i>For &gt;100 To 250, Deduct</i>	-1.41	
				<i>For &gt;250 To 500, Deduct</i>	-1.77	
				<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0663	EA			1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.98	
				<i>For &gt;100 To 250, Deduct</i>	-1.45	
				<i>For &gt;250 To 500, Deduct</i>	-1.82	
				<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0664	EA			1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.11	
				<i>For &gt;100 To 250, Deduct</i>	-1.45	
				<i>For &gt;250 To 500, Deduct</i>	-1.82	
				<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0665	EA			1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.15	
				<i>For &gt;100 To 250, Deduct</i>	-1.45	
				<i>For &gt;250 To 500, Deduct</i>	-1.82	
				<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0666	EA			1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.43	
				<i>For &gt;100 To 250, Deduct</i>	-1.49	
				<i>For &gt;250 To 500, Deduct</i>	-1.86	
				<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0667	EA			1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.54	
				<i>For &gt;100 To 250, Deduct</i>	-1.49	
				<i>For &gt;250 To 500, Deduct</i>	-1.86	
				<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0668	EA			1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.58	
				<i>For &gt;100 To 250, Deduct</i>	-1.49	
				<i>For &gt;250 To 500, Deduct</i>	-1.86	
				<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0669	EA			1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.88	
				<i>For &gt;100 To 250, Deduct</i>	-1.53	
				<i>For &gt;250 To 500, Deduct</i>	-1.91	
				<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0670	EA			1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.19	
				<i>For &gt;100 To 250, Deduct</i>	-1.53	
				<i>For &gt;250 To 500, Deduct</i>	-1.91	
				<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0671	EA			1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.58	
				<i>For &gt;100 To 250, Deduct</i>	-1.53	
				<i>For &gt;250 To 500, Deduct</i>	-1.91	
				<i>For &gt;500, Deduct</i>	-2.30	
<b>05 05 23 00-0672</b>				<b>5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0654)</small>		
05 05 23 00-0673	EA			5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.04	
				<i>For &gt;100 To 250, Deduct</i>	-1.37	
				<i>For &gt;250 To 500, Deduct</i>	-1.72	
				<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0674	EA			5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.40	
				<i>For &gt;100 To 250, Deduct</i>	-1.37	
				<i>For &gt;250 To 500, Deduct</i>	-1.72	
				<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0675	EA			5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.43	
				<i>For &gt;100 To 250, Deduct</i>	-1.37	
				<i>For &gt;250 To 500, Deduct</i>	-1.72	
				<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0676	EA			5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.44	
				<i>For &gt;100 To 250, Deduct</i>	-1.37	
				<i>For &gt;250 To 500, Deduct</i>	-1.72	
				<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0677	EA			5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.79	
				<i>For &gt;100 To 250, Deduct</i>	-1.41	
				<i>For &gt;250 To 500, Deduct</i>	-1.77	
				<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0678	EA			5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.13	
				<i>For &gt;100 To 250, Deduct</i>	-1.41	
				<i>For &gt;250 To 500, Deduct</i>	-1.77	
				<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0679	EA			5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.19	
				<i>For &gt;100 To 250, Deduct</i>	-1.41	
				<i>For &gt;250 To 500, Deduct</i>	-1.77	
				<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0680	EA			5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.48	
				<i>For &gt;100 To 250, Deduct</i>	-1.45	
				<i>For &gt;250 To 500, Deduct</i>	-1.82	
				<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0681	EA			5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.51	
				<i>For &gt;100 To 250, Deduct</i>	-1.45	
				<i>For &gt;250 To 500, Deduct</i>	-1.82	
				<i>For &gt;500, Deduct</i>	-2.18	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0682	EA		5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0683	EA		5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.04	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0684	EA		5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.14	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0685	EA		5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.40	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0686	EA		5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.11	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0687	EA		5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.52	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0688	EA		5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.90	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
<b>05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0654)</small>					
05 05 23 00-0690	EA		3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.15	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0691	EA		3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.24	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0692	EA		3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.32	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0693	EA		3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.54	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0694	EA		3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.82	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0695	EA		3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.00	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0696	EA		3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.13	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0697	EA		3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0698	EA		3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.59	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0699	EA		3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.81	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0700	EA		3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.09	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0701	EA		3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.39	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0702	EA		3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.44	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0703 EA 3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.66	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0704 EA 3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.69	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0705 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.04	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
<b>05 05 23 00-0706 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0654)</small>		
05 05 23 00-0707 EA 7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.66	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0708 EA 7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.04	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0709 EA 7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.34	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0710 EA 7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.04	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0711 EA 7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.06	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0712 EA 7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.09	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0713 EA 7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.53	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0714 EA 7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.81	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0715 EA 7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.05	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0716 EA 7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.54	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0717 EA 7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.83	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
<b>05 05 23 00-0718 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0654)</small>		
05 05 23 00-0719 EA 1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.48	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0720 EA 1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.61	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0721 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.86	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0722 EA 1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.35	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0723 EA 1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.55	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0724	EA		1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.91	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0725	EA		1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.16	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0726	EA		1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.29	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0727	EA		1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.58	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0728	EA		1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.92	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0729	EA		1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.24	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0730	EA		1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.27	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0731	EA		1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.52	
			<i>For &gt;100 To 250, Deduct</i>	-1.73	
			<i>For &gt;250 To 500, Deduct</i>	-2.16	
			<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0732	EA		1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.61	
			<i>For &gt;100 To 250, Deduct</i>	-1.73	
			<i>For &gt;250 To 500, Deduct</i>	-2.16	
			<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0733	EA		1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.85	
			<i>For &gt;100 To 250, Deduct</i>	-1.73	
			<i>For &gt;250 To 500, Deduct</i>	-2.16	
			<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0734	EA		1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.19	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0735	EA		1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.39	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0736	EA		1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.43	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0737	EA		1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.54	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
<b>05 05 23 00-0738</b>			<b>5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0654)</small>		
05 05 23 00-0739	EA		5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.92	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0740	EA		5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.11	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0741	EA		5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.25	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0742	EA		5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.66	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0743	EA		5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.95	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0744	EA		5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.59	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0745 EA 5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.88	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0746 EA 5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.99	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0747 EA 5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.19	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0748 EA 5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.64	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0749 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.87	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0750 EA 5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.53	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0751 EA 5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.76	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0752 EA 5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.91	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0753 EA 5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.25	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0754 EA 5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.93	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0755 EA 5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.47	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0756 EA 5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.71	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0757 EA 5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.81	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
<b>05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0654)</small>		
05 05 23 00-0759 EA 3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.85	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0760 EA 3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.89	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0761 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.13	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0762 EA 3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.86	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0763 EA 3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.76	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0764 EA 3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.33	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0765 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.83	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0766	EA		3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.88	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0767	EA		3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.00	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0768	EA		3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.29	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0769	EA		3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.05	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0770	EA		3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.36	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0771	EA		3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.17	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0772	EA		3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.27	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0773	EA		3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.58	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0774	EA		3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.24	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0775	EA		3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.57	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0776	EA		3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.76	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0777	EA		3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.85	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0778			<b>7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0654)</small>		
05 05 23 00-0779	EA		7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.69	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0780	EA		7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.06	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0781	EA		7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.47	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0782	EA		7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.38	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0783	EA		7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.67	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0784	EA		7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.24	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0785	EA		7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.64	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0786	EA		7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.16	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0787 EA 7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.70	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0788 EA 7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.10	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0789 EA 7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.28	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0790 EA 7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.92	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0791 EA 7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.66	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0792 EA 7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.83	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0793 EA 7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.23	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0794 EA 7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.64	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0795 EA 7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.15	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0796 EA 7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.63	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
<b>05 05 23 00-0797 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0854)</small>		
05 05 23 00-0798 EA 1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.27	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0799 EA 1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.58	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0800 EA 1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.27	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0801 EA 1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.81	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0802 EA 1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.25	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0803 EA 1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.53	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0804 EA 1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.33	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0805 EA 1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.60	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0806 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.90	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0807 EA 1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.62	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0808	EA		1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	24.33	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0809	EA		1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	25.47	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0810	EA		1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	26.60	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0811	EA		1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	27.13	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0812	EA		1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	28.04	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0813	EA		1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	28.74	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0814	EA		1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	29.77	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0815			304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0816			1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0817	EA		1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.11	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0818	EA		1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.21	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0819	EA		1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.33	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0820	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.46	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0821	EA		1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0822	EA		1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.97	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0823	EA		1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.20	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0824	EA		1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.57	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0825	EA		1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.85	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0826	EA		1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.10	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0827	EA		1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0828	EA		1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.92	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0829	EA		1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.99	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0830 EA 1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.67	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0831 EA 1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.91	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0832 EA 1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.47	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
<b>05 05 23 00-0833 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0815)</small>		
05 05 23 00-0834 EA 5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.29	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0835 EA 5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.38	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0836 EA 5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.56	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0837 EA 5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.71	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0838 EA 5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.16	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0839 EA 5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.25	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0840 EA 5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.73	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0841 EA 5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.26	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0842 EA 5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.79	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0843 EA 5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.05	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0844 EA 5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.05	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0845 EA 5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.37	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0846 EA 5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.39	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0847 EA 5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	20.47	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
<b>05 05 23 00-0848 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0815)</small>		
05 05 23 00-0849 EA 3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.52	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0850 EA 3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.63	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0851	EA		3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.91	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0852	EA		3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.27	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0853	EA		3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.65	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0854	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.94	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0855	EA		3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.32	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0856	EA		3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.87	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0857	EA		3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.32	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0858	EA		3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.31	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0859	EA		3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.62	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0860	EA		3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.44	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0861	EA		3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.19	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0862	EA		3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.80	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0863	EA		3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.05	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0864	EA		3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	16.79	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
<b>05 05 23 00-0865</b>			<b>7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0815)</small>		
05 05 23 00-0866	EA		7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.41	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0867	EA		7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.53	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0868	EA		7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.00	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0869	EA		7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.47	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0870	EA		7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.03	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0871	EA		7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.96	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0872 EA 7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.57	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0873 EA 7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	13.66	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0874 EA 7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.13	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0875 EA 7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.82	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0876 EA 7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.48	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0877 EA 7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.70	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0878 EA 7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.09	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0879 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small> .....	9.40	
05 05 23 00-0880 EA 1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.40	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0881 EA 1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.53	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0882 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.26	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0883 EA 1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.75	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0884 EA 1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.41	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0885 EA 1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.77	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0886 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.40	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0887 EA 1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.72	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0888 EA 1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.45	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0889 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.14	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0890 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.92	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0891 EA 1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	16.80	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0892 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.30	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0893	EA 1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.83	
	For >100 To 250, Deduct	-1.73	
	For >250 To 500, Deduct	-2.16	
	For >500, Deduct	-2.59	
05 05 23 00-0894	EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.67	
	For >100 To 250, Deduct	-1.73	
	For >250 To 500, Deduct	-2.16	
	For >500, Deduct	-2.59	
05 05 23 00-0895	EA 1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	23.93	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
05 05 23 00-0896	EA 1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	24.26	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
05 05 23 00-0897	EA 1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	26.57	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
05 05 23 00-0898	EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	28.85	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
<b>05 05 23 00-0899</b>	<b>9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0815)</small>		
05 05 23 00-0900	EA 9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	13.21	
	For >100 To 250, Deduct	-1.57	
	For >250 To 500, Deduct	-1.96	
	For >500, Deduct	-2.35	
05 05 23 00-0901	EA 9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.72	
	For >100 To 250, Deduct	-1.57	
	For >250 To 500, Deduct	-1.96	
	For >500, Deduct	-2.35	
05 05 23 00-0902	EA 9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.37	
	For >100 To 250, Deduct	-1.57	
	For >250 To 500, Deduct	-1.96	
	For >500, Deduct	-2.35	
05 05 23 00-0903	EA 9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.10	
	For >100 To 250, Deduct	-1.61	
	For >250 To 500, Deduct	-2.01	
	For >500, Deduct	-2.41	
05 05 23 00-0904	EA 9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.04	
	For >100 To 250, Deduct	-1.61	
	For >250 To 500, Deduct	-2.01	
	For >500, Deduct	-2.41	
05 05 23 00-0905	EA 9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	20.68	
	For >100 To 250, Deduct	-1.61	
	For >250 To 500, Deduct	-2.01	
	For >500, Deduct	-2.41	
05 05 23 00-0906	EA 9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	23.28	
	For >100 To 250, Deduct	-1.65	
	For >250 To 500, Deduct	-2.06	
	For >500, Deduct	-2.47	
05 05 23 00-0907	EA 9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	23.65	
	For >100 To 250, Deduct	-1.65	
	For >250 To 500, Deduct	-2.06	
	For >500, Deduct	-2.47	
05 05 23 00-0908	EA 9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	27.11	
	For >100 To 250, Deduct	-1.65	
	For >250 To 500, Deduct	-2.06	
	For >500, Deduct	-2.47	
05 05 23 00-0909	EA 9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	28.95	
	For >100 To 250, Deduct	-1.69	
	For >250 To 500, Deduct	-2.11	
	For >500, Deduct	-2.53	
05 05 23 00-0910	EA 9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	30.80	
	For >100 To 250, Deduct	-1.69	
	For >250 To 500, Deduct	-2.11	
	For >500, Deduct	-2.53	
<b>05 05 23 00-0911</b>	<b>5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0815)</small>		
05 05 23 00-0912	EA 5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.67	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
05 05 23 00-0913	EA 5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.01	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0914 EA 5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 13.45 <i>For &gt;100 To 250, Deduct -1.76</i> <i>For &gt;250 To 500, Deduct -2.21</i> <i>For &gt;500, Deduct -2.65</i>		
05 05 23 00-0915 EA 5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 13.89 <i>For &gt;100 To 250, Deduct -1.80</i> <i>For &gt;250 To 500, Deduct -2.26</i> <i>For &gt;500, Deduct -2.71</i>		
05 05 23 00-0916 EA 5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 14.58 <i>For &gt;100 To 250, Deduct -1.80</i> <i>For &gt;250 To 500, Deduct -2.26</i> <i>For &gt;500, Deduct -2.71</i>		
05 05 23 00-0917 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 15.56 <i>For &gt;100 To 250, Deduct -1.80</i> <i>For &gt;250 To 500, Deduct -2.26</i> <i>For &gt;500, Deduct -2.71</i>		
05 05 23 00-0918 EA 5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 16.98 <i>For &gt;100 To 250, Deduct -1.84</i> <i>For &gt;250 To 500, Deduct -2.30</i> <i>For &gt;500, Deduct -2.76</i>		
05 05 23 00-0919 EA 5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 16.99 <i>For &gt;100 To 250, Deduct -1.84</i> <i>For &gt;250 To 500, Deduct -2.30</i> <i>For &gt;500, Deduct -2.76</i>		
05 05 23 00-0920 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 18.09 <i>For &gt;100 To 250, Deduct -1.84</i> <i>For &gt;250 To 500, Deduct -2.30</i> <i>For &gt;500, Deduct -2.76</i>		
05 05 23 00-0921 EA 5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 18.91 <i>For &gt;100 To 250, Deduct -1.88</i> <i>For &gt;250 To 500, Deduct -2.35</i> <i>For &gt;500, Deduct -2.82</i>		
05 05 23 00-0922 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 19.90 <i>For &gt;100 To 250, Deduct -1.88</i> <i>For &gt;250 To 500, Deduct -2.35</i> <i>For &gt;500, Deduct -2.82</i>		
05 05 23 00-0923 EA 5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 23.53 <i>For &gt;100 To 250, Deduct -1.88</i> <i>For &gt;250 To 500, Deduct -2.35</i> <i>For &gt;500, Deduct -2.82</i>		
05 05 23 00-0924 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 25.70 <i>For &gt;100 To 250, Deduct -1.92</i> <i>For &gt;250 To 500, Deduct -2.40</i> <i>For &gt;500, Deduct -2.88</i>		
05 05 23 00-0925 EA 5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 27.35 <i>For &gt;100 To 250, Deduct -1.92</i> <i>For &gt;250 To 500, Deduct -2.40</i> <i>For &gt;500, Deduct -2.88</i>		
05 05 23 00-0926 EA 5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 28.09 <i>For &gt;100 To 250, Deduct -1.92</i> <i>For &gt;250 To 500, Deduct -2.40</i> <i>For &gt;500, Deduct -2.88</i>		
05 05 23 00-0927 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 31.32 <i>For &gt;100 To 250, Deduct -1.96</i> <i>For &gt;250 To 500, Deduct -2.45</i> <i>For &gt;500, Deduct -2.94</i>		
05 05 23 00-0928 EA 5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 32.28 <i>For &gt;100 To 250, Deduct -1.96</i> <i>For &gt;250 To 500, Deduct -2.45</i> <i>For &gt;500, Deduct -2.94</i>		
05 05 23 00-0929 EA 5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 36.60 <i>For &gt;100 To 250, Deduct -1.96</i> <i>For &gt;250 To 500, Deduct -2.45</i> <i>For &gt;500, Deduct -2.94</i>		
05 05 23 00-0930 EA 5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 38.37 <i>For &gt;100 To 250, Deduct -1.96</i> <i>For &gt;250 To 500, Deduct -2.45</i> <i>For &gt;500, Deduct -2.94</i>		
<b>05 05 23 00-0931 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)</b>		
05 05 23 00-0932 EA 3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 13.24 <i>For &gt;100 To 250, Deduct -1.76</i> <i>For &gt;250 To 500, Deduct -2.21</i> <i>For &gt;500, Deduct -2.65</i>		
05 05 23 00-0933 EA 3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 13.91 <i>For &gt;100 To 250, Deduct -1.76</i> <i>For &gt;250 To 500, Deduct -2.21</i> <i>For &gt;500, Deduct -2.65</i>		
05 05 23 00-0934 EA 3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 14.80 <i>For &gt;100 To 250, Deduct -1.76</i> <i>For &gt;250 To 500, Deduct -2.21</i> <i>For &gt;500, Deduct -2.65</i>		

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0935	EA		3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.97	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0936	EA		3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	16.95	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0937	EA		3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.60	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0938	EA		3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.77	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0939	EA		3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	21.31	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0940	EA		3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	22.54	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0941	EA		3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	24.01	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0942	EA		3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	25.44	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0943	EA		3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	28.12	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0944	EA		3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	35.44	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0945	EA		3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	37.72	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0946	EA		3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	42.59	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0947	EA		3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	43.01	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0948	EA		3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	43.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0949	EA		3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	45.86	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0950	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	47.46	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0951			7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small> .....	18.45	
05 05 23 00-0952	EA		7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.45	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0953	EA		7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	20.14	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0954	EA		7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	21.62	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0955	EA		7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	23.33	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0956	EA		7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	23.88	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0957	EA		7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	25.48	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0958	EA		7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	26.03	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0959	EA		7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	29.75	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0960	EA		7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	30.49	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0961	EA		7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	31.92	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0962	EA		7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	39.79	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0963	EA		7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	43.01	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0964	EA		7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	46.54	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0965	EA		7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	49.39	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0966	EA		7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	58.22	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0967	EA		7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	65.14	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0968	EA		7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	68.34	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0969	EA		7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	71.53	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
<b>05 05 23 00-0970</b>			<b>1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0815)</small>		
05 05 23 00-0971	EA		1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	22.53	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0972	EA		1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	23.76	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0973	EA		1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	25.79	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0974	EA		1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	27.34	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0975	EA		1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	29.88	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0976	EA		1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	32.93	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0977	EA 1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	34.71	
	<i>For &gt;100 To 250, Deduct</i>	-2.04	
	<i>For &gt;250 To 500, Deduct</i>	-2.55	
	<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0978	EA 1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	37.33	
	<i>For &gt;100 To 250, Deduct</i>	-2.04	
	<i>For &gt;250 To 500, Deduct</i>	-2.55	
	<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0979	EA 1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	39.98	
	<i>For &gt;100 To 250, Deduct</i>	-2.08	
	<i>For &gt;250 To 500, Deduct</i>	-2.60	
	<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0980	EA 1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	40.12	
	<i>For &gt;100 To 250, Deduct</i>	-2.08	
	<i>For &gt;250 To 500, Deduct</i>	-2.60	
	<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0981	EA 1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	47.15	
	<i>For &gt;100 To 250, Deduct</i>	-2.08	
	<i>For &gt;250 To 500, Deduct</i>	-2.60	
	<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0982	EA 1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	56.24	
	<i>For &gt;100 To 250, Deduct</i>	-2.12	
	<i>For &gt;250 To 500, Deduct</i>	-2.65	
	<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0983	EA 1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	57.57	
	<i>For &gt;100 To 250, Deduct</i>	-2.12	
	<i>For &gt;250 To 500, Deduct</i>	-2.65	
	<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0984	EA 1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	58.89	
	<i>For &gt;100 To 250, Deduct</i>	-2.12	
	<i>For &gt;250 To 500, Deduct</i>	-2.65	
	<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0985	EA 1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	61.73	
	<i>For &gt;100 To 250, Deduct</i>	-2.16	
	<i>For &gt;250 To 500, Deduct</i>	-2.70	
	<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0986	EA 1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	65.79	
	<i>For &gt;100 To 250, Deduct</i>	-2.16	
	<i>For &gt;250 To 500, Deduct</i>	-2.70	
	<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0987	EA 1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	84.22	
	<i>For &gt;100 To 250, Deduct</i>	-2.16	
	<i>For &gt;250 To 500, Deduct</i>	-2.70	
	<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0988	EA 1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	105.70	
	<i>For &gt;100 To 250, Deduct</i>	-2.16	
	<i>For &gt;250 To 500, Deduct</i>	-2.70	
	<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0989	316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0997)</small>		
05 05 23 00-0990	1/4" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-0991	EA 1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	7.30	
	<i>For &gt;100 To 250, Deduct</i>	-1.37	
	<i>For &gt;250 To 500, Deduct</i>	-1.72	
	<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0992	EA 1" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	7.49	
	<i>For &gt;100 To 250, Deduct</i>	-1.37	
	<i>For &gt;250 To 500, Deduct</i>	-1.72	
	<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0993	EA 1-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	7.63	
	<i>For &gt;100 To 250, Deduct</i>	-1.37	
	<i>For &gt;250 To 500, Deduct</i>	-1.72	
	<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0994	EA 2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	7.73	
	<i>For &gt;100 To 250, Deduct</i>	-1.37	
	<i>For &gt;250 To 500, Deduct</i>	-1.72	
	<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0995	EA 2-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	8.20	
	<i>For &gt;100 To 250, Deduct</i>	-1.41	
	<i>For &gt;250 To 500, Deduct</i>	-1.77	
	<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0996	EA 3" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	8.45	
	<i>For &gt;100 To 250, Deduct</i>	-1.41	
	<i>For &gt;250 To 500, Deduct</i>	-1.77	
	<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0997	EA 3-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	8.70	
	<i>For &gt;100 To 250, Deduct</i>	-1.41	
	<i>For &gt;250 To 500, Deduct</i>	-1.77	
	<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0998	EA 4" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	9.10	
	<i>For &gt;100 To 250, Deduct</i>	-1.45	
	<i>For &gt;250 To 500, Deduct</i>	-1.82	
	<i>For &gt;500, Deduct</i>	-2.18	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0999	EA			4-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....9.31 <i>For &gt;100 To 250, Deduct</i> -1.45 <i>For &gt;250 To 500, Deduct</i> -1.82 <i>For &gt;500, Deduct</i> -2.18		
05 05 23 00-1000	EA			5" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....9.40 <i>For &gt;100 To 250, Deduct</i> -1.45 <i>For &gt;250 To 500, Deduct</i> -1.82 <i>For &gt;500, Deduct</i> -2.18		
05 05 23 00-1001	EA			5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....10.24 <i>For &gt;100 To 250, Deduct</i> -1.49 <i>For &gt;250 To 500, Deduct</i> -1.86 <i>For &gt;500, Deduct</i> -2.24		
05 05 23 00-1002	EA			6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....10.41 <i>For &gt;100 To 250, Deduct</i> -1.49 <i>For &gt;250 To 500, Deduct</i> -1.86 <i>For &gt;500, Deduct</i> -2.24		
05 05 23 00-1003	EA			6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....16.87 <i>For &gt;100 To 250, Deduct</i> -1.49 <i>For &gt;250 To 500, Deduct</i> -1.86 <i>For &gt;500, Deduct</i> -2.24		
05 05 23 00-1004	EA			7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....24.89 <i>For &gt;100 To 250, Deduct</i> -1.53 <i>For &gt;250 To 500, Deduct</i> -1.91 <i>For &gt;500, Deduct</i> -2.30		
05 05 23 00-1005	EA			7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....42.12 <i>For &gt;100 To 250, Deduct</i> -1.53 <i>For &gt;250 To 500, Deduct</i> -1.91 <i>For &gt;500, Deduct</i> -2.30		
05 05 23 00-1006	EA			8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....46.05 <i>For &gt;100 To 250, Deduct</i> -1.53 <i>For &gt;250 To 500, Deduct</i> -1.91 <i>For &gt;500, Deduct</i> -2.30		
<b>05 05 23 00-1007</b>				<b>5/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0999)</b>		
05 05 23 00-1008	EA			5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt .....7.56 <i>For &gt;100 To 250, Deduct</i> -1.37 <i>For &gt;250 To 500, Deduct</i> -1.72 <i>For &gt;500, Deduct</i> -2.06		
05 05 23 00-1009	EA			5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt .....7.78 <i>For &gt;100 To 250, Deduct</i> -1.37 <i>For &gt;250 To 500, Deduct</i> -1.72 <i>For &gt;500, Deduct</i> -2.06		
05 05 23 00-1010	EA			5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....8.15 <i>For &gt;100 To 250, Deduct</i> -1.37 <i>For &gt;250 To 500, Deduct</i> -1.72 <i>For &gt;500, Deduct</i> -2.06		
05 05 23 00-1011	EA			5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....8.43 <i>For &gt;100 To 250, Deduct</i> -1.37 <i>For &gt;250 To 500, Deduct</i> -1.72 <i>For &gt;500, Deduct</i> -2.06		
05 05 23 00-1012	EA			5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....8.74 <i>For &gt;100 To 250, Deduct</i> -1.41 <i>For &gt;250 To 500, Deduct</i> -1.77 <i>For &gt;500, Deduct</i> -2.12		
05 05 23 00-1013	EA			5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....9.31 <i>For &gt;100 To 250, Deduct</i> -1.41 <i>For &gt;250 To 500, Deduct</i> -1.77 <i>For &gt;500, Deduct</i> -2.12		
05 05 23 00-1014	EA			5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....9.71 <i>For &gt;100 To 250, Deduct</i> -1.41 <i>For &gt;250 To 500, Deduct</i> -1.77 <i>For &gt;500, Deduct</i> -2.12		
05 05 23 00-1015	EA			5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....10.08 <i>For &gt;100 To 250, Deduct</i> -1.45 <i>For &gt;250 To 500, Deduct</i> -1.82 <i>For &gt;500, Deduct</i> -2.18		
05 05 23 00-1016	EA			5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....10.93 <i>For &gt;100 To 250, Deduct</i> -1.45 <i>For &gt;250 To 500, Deduct</i> -1.82 <i>For &gt;500, Deduct</i> -2.18		
05 05 23 00-1017	EA			5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....11.10 <i>For &gt;100 To 250, Deduct</i> -1.45 <i>For &gt;250 To 500, Deduct</i> -1.82 <i>For &gt;500, Deduct</i> -2.18		
05 05 23 00-1018	EA			5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....11.88 <i>For &gt;100 To 250, Deduct</i> -1.49 <i>For &gt;250 To 500, Deduct</i> -1.86 <i>For &gt;500, Deduct</i> -2.24		
05 05 23 00-1019	EA			5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....12.54 <i>For &gt;100 To 250, Deduct</i> -1.49 <i>For &gt;250 To 500, Deduct</i> -1.86 <i>For &gt;500, Deduct</i> -2.24		

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1020	EA		5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	18.04	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-1021	EA		5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	26.04	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
<b>05 05 23 00-1022</b>			<b>3/8" Diameter, 316 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0989)</small>		
05 05 23 00-1023	EA		3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	8.15	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-1024	EA		3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	8.23	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-1025	EA		3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	8.58	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-1026	EA		3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	9.40	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-1027	EA		3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	9.88	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-1028	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	10.02	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-1029	EA		3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	10.74	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-1030	EA		3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	11.04	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-1031	EA		3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	11.49	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-1032	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	11.80	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-1033	EA		3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	12.98	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-1034	EA		3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	14.19	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-1035	EA		3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	14.24	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-1036	EA		3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	17.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-1037	EA		3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	22.47	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-1038	EA		3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	27.84	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
<b>05 05 23 00-1039</b>			<b>7/16" Diameter, 316 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0989)</small>		
05 05 23 00-1040	EA		7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	10.49	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1041	EA			7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt ..... 11.00 <i>For &gt;100 To 250, Deduct</i> -1.57 <i>For &gt;250 To 500, Deduct</i> -1.96 <i>For &gt;500, Deduct</i> -2.35		
05 05 23 00-1042	EA			7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt ..... 11.97 <i>For &gt;100 To 250, Deduct</i> -1.57 <i>For &gt;250 To 500, Deduct</i> -1.96 <i>For &gt;500, Deduct</i> -2.35		
05 05 23 00-1043	EA			7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt ..... 13.00 <i>For &gt;100 To 250, Deduct</i> -1.61 <i>For &gt;250 To 500, Deduct</i> -2.01 <i>For &gt;500, Deduct</i> -2.41		
05 05 23 00-1044	EA			7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt ..... 13.93 <i>For &gt;100 To 250, Deduct</i> -1.61 <i>For &gt;250 To 500, Deduct</i> -2.01 <i>For &gt;500, Deduct</i> -2.41		
05 05 23 00-1045	EA			7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt ..... 15.45 <i>For &gt;100 To 250, Deduct</i> -1.61 <i>For &gt;250 To 500, Deduct</i> -2.01 <i>For &gt;500, Deduct</i> -2.41		
05 05 23 00-1046	EA			7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt ..... 17.10 <i>For &gt;100 To 250, Deduct</i> -1.65 <i>For &gt;250 To 500, Deduct</i> -2.06 <i>For &gt;500, Deduct</i> -2.47		
05 05 23 00-1047	EA			7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt ..... 17.36 <i>For &gt;100 To 250, Deduct</i> -1.65 <i>For &gt;250 To 500, Deduct</i> -2.06 <i>For &gt;500, Deduct</i> -2.47		
05 05 23 00-1048	EA			7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt ..... 17.92 <i>For &gt;100 To 250, Deduct</i> -1.65 <i>For &gt;250 To 500, Deduct</i> -2.06 <i>For &gt;500, Deduct</i> -2.47		
05 05 23 00-1049	EA			7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt ..... 18.50 <i>For &gt;100 To 250, Deduct</i> -1.69 <i>For &gt;250 To 500, Deduct</i> -2.11 <i>For &gt;500, Deduct</i> -2.53		
05 05 23 00-1050	EA			7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt ..... 18.89 <i>For &gt;100 To 250, Deduct</i> -1.69 <i>For &gt;250 To 500, Deduct</i> -2.11 <i>For &gt;500, Deduct</i> -2.53		
05 05 23 00-1051	EA			7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt ..... 19.29 <i>For &gt;100 To 250, Deduct</i> -1.69 <i>For &gt;250 To 500, Deduct</i> -2.11 <i>For &gt;500, Deduct</i> -2.53		
05 05 23 00-1052	EA			7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt ..... 19.80 <i>For &gt;100 To 250, Deduct</i> -1.73 <i>For &gt;250 To 500, Deduct</i> -2.16 <i>For &gt;500, Deduct</i> -2.59		
<b>05 05 23 00-1053</b>				<b>1/2" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989) ..... 10.46</b>		
05 05 23 00-1054	EA			1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt ..... 10.46 <i>For &gt;100 To 250, Deduct</i> -1.57 <i>For &gt;250 To 500, Deduct</i> -1.96 <i>For &gt;500, Deduct</i> -2.35		
05 05 23 00-1055	EA			1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt ..... 11.02 <i>For &gt;100 To 250, Deduct</i> -1.57 <i>For &gt;250 To 500, Deduct</i> -1.96 <i>For &gt;500, Deduct</i> -2.35		
05 05 23 00-1056	EA			1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt ..... 11.80 <i>For &gt;100 To 250, Deduct</i> -1.57 <i>For &gt;250 To 500, Deduct</i> -1.96 <i>For &gt;500, Deduct</i> -2.35		
05 05 23 00-1057	EA			1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt ..... 12.92 <i>For &gt;100 To 250, Deduct</i> -1.61 <i>For &gt;250 To 500, Deduct</i> -2.01 <i>For &gt;500, Deduct</i> -2.41		
05 05 23 00-1058	EA			1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt ..... 13.78 <i>For &gt;100 To 250, Deduct</i> -1.61 <i>For &gt;250 To 500, Deduct</i> -2.01 <i>For &gt;500, Deduct</i> -2.41		
05 05 23 00-1059	EA			1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt ..... 13.99 <i>For &gt;100 To 250, Deduct</i> -1.61 <i>For &gt;250 To 500, Deduct</i> -2.01 <i>For &gt;500, Deduct</i> -2.41		
05 05 23 00-1060	EA			1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt ..... 14.54 <i>For &gt;100 To 250, Deduct</i> -1.65 <i>For &gt;250 To 500, Deduct</i> -2.06 <i>For &gt;500, Deduct</i> -2.47		
05 05 23 00-1061	EA			1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt ..... 16.20 <i>For &gt;100 To 250, Deduct</i> -1.65 <i>For &gt;250 To 500, Deduct</i> -2.06 <i>For &gt;500, Deduct</i> -2.47		

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-1062	EA 1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	19.56	
	<i>For &gt;100 To 250, Deduct</i>	-1.65	
	<i>For &gt;250 To 500, Deduct</i>	-2.06	
	<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-1063	EA 1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	20.02	
	<i>For &gt;100 To 250, Deduct</i>	-1.69	
	<i>For &gt;250 To 500, Deduct</i>	-2.11	
	<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-1064	EA 1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	20.55	
	<i>For &gt;100 To 250, Deduct</i>	-1.69	
	<i>For &gt;250 To 500, Deduct</i>	-2.11	
	<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-1065	EA 1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	24.70	
	<i>For &gt;100 To 250, Deduct</i>	-1.69	
	<i>For &gt;250 To 500, Deduct</i>	-2.11	
	<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-1066	EA 1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	27.67	
	<i>For &gt;100 To 250, Deduct</i>	-1.73	
	<i>For &gt;250 To 500, Deduct</i>	-2.16	
	<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-1067	EA 1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	29.47	
	<i>For &gt;100 To 250, Deduct</i>	-1.73	
	<i>For &gt;250 To 500, Deduct</i>	-2.16	
	<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-1068	EA 1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	32.45	
	<i>For &gt;100 To 250, Deduct</i>	-1.73	
	<i>For &gt;250 To 500, Deduct</i>	-2.16	
	<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-1069	EA 1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	40.51	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.21	
	<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-1070	EA 1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	45.59	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.21	
	<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-1071	EA 1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	46.43	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.21	
	<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-1072	EA 1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	47.72	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.21	
	<i>For &gt;500, Deduct</i>	-2.65	
<b>05 05 23 00-1073</b>	<b>9/16" Diameter, 316 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0989)</small>		
05 05 23 00-1074	EA 9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	24.38	
	<i>For &gt;100 To 250, Deduct</i>	-1.57	
	<i>For &gt;250 To 500, Deduct</i>	-1.96	
	<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-1075	EA 9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	26.21	
	<i>For &gt;100 To 250, Deduct</i>	-1.57	
	<i>For &gt;250 To 500, Deduct</i>	-1.96	
	<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-1076	EA 9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	32.32	
	<i>For &gt;100 To 250, Deduct</i>	-1.57	
	<i>For &gt;250 To 500, Deduct</i>	-1.96	
	<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-1077	EA 9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	35.95	
	<i>For &gt;100 To 250, Deduct</i>	-1.61	
	<i>For &gt;250 To 500, Deduct</i>	-2.01	
	<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-1078	EA 9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	39.56	
	<i>For &gt;100 To 250, Deduct</i>	-1.61	
	<i>For &gt;250 To 500, Deduct</i>	-2.01	
	<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-1079	EA 9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	43.17	
	<i>For &gt;100 To 250, Deduct</i>	-1.61	
	<i>For &gt;250 To 500, Deduct</i>	-2.01	
	<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-1080	EA 9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	45.61	
	<i>For &gt;100 To 250, Deduct</i>	-1.65	
	<i>For &gt;250 To 500, Deduct</i>	-2.06	
	<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-1081	EA 9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	48.59	
	<i>For &gt;100 To 250, Deduct</i>	-1.65	
	<i>For &gt;250 To 500, Deduct</i>	-2.06	
	<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-1082	EA 9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	51.24	
	<i>For &gt;100 To 250, Deduct</i>	-1.65	
	<i>For &gt;250 To 500, Deduct</i>	-2.06	
	<i>For &gt;500, Deduct</i>	-2.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1083 EA 9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	52.24	
For >100 To 250, Deduct	-1.69	
For >250 To 500, Deduct	-2.11	
For >500, Deduct	-2.53	
05 05 23 00-1084 EA 9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	54.57	
For >100 To 250, Deduct	-1.69	
For >250 To 500, Deduct	-2.11	
For >500, Deduct	-2.53	
<b>05 05 23 00-1085 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)</b>		
05 05 23 00-1086 EA 5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt .....	14.27	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.21	
For >500, Deduct	-2.65	
05 05 23 00-1087 EA 5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	14.43	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.21	
For >500, Deduct	-2.65	
05 05 23 00-1088 EA 5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	14.48	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.21	
For >500, Deduct	-2.65	
05 05 23 00-1089 EA 5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	15.73	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	
05 05 23 00-1090 EA 5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	16.80	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	
05 05 23 00-1091 EA 5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	20.20	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	
05 05 23 00-1092 EA 5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	21.11	
For >100 To 250, Deduct	-1.84	
For >250 To 500, Deduct	-2.30	
For >500, Deduct	-2.76	
05 05 23 00-1093 EA 5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	24.08	
For >100 To 250, Deduct	-1.84	
For >250 To 500, Deduct	-2.30	
For >500, Deduct	-2.76	
05 05 23 00-1094 EA 5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	25.12	
For >100 To 250, Deduct	-1.84	
For >250 To 500, Deduct	-2.30	
For >500, Deduct	-2.76	
05 05 23 00-1095 EA 5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	27.27	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.82	
05 05 23 00-1096 EA 5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	28.12	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.82	
05 05 23 00-1097 EA 5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	33.34	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.82	
05 05 23 00-1098 EA 5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	35.40	
For >100 To 250, Deduct	-1.92	
For >250 To 500, Deduct	-2.40	
For >500, Deduct	-2.88	
05 05 23 00-1099 EA 5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	36.07	
For >100 To 250, Deduct	-1.92	
For >250 To 500, Deduct	-2.40	
For >500, Deduct	-2.88	
05 05 23 00-1100 EA 5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt .....	38.50	
For >100 To 250, Deduct	-1.92	
For >250 To 500, Deduct	-2.40	
For >500, Deduct	-2.88	
05 05 23 00-1101 EA 5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	40.90	
For >100 To 250, Deduct	-1.96	
For >250 To 500, Deduct	-2.45	
For >500, Deduct	-2.94	
05 05 23 00-1102 EA 5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt .....	42.96	
For >100 To 250, Deduct	-1.96	
For >250 To 500, Deduct	-2.45	
For >500, Deduct	-2.94	
05 05 23 00-1103 EA 5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	52.81	
For >100 To 250, Deduct	-1.96	
For >250 To 500, Deduct	-2.45	
For >500, Deduct	-2.94	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-1104	EA 5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	63.33	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	
<b>05 05 23 00-1105</b>	<b>3/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)</b>		
05 05 23 00-1106	EA 3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	18.41	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
05 05 23 00-1107	EA 3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	18.78	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
05 05 23 00-1108	EA 3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	20.20	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
05 05 23 00-1109	EA 3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	21.64	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-1110	EA 3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	24.29	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-1111	EA 3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	25.83	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-1112	EA 3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	29.28	
	For >100 To 250, Deduct	-1.84	
	For >250 To 500, Deduct	-2.30	
	For >500, Deduct	-2.76	
05 05 23 00-1113	EA 3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	30.63	
	For >100 To 250, Deduct	-1.84	
	For >250 To 500, Deduct	-2.30	
	For >500, Deduct	-2.76	
05 05 23 00-1114	EA 3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	31.38	
	For >100 To 250, Deduct	-1.84	
	For >250 To 500, Deduct	-2.30	
	For >500, Deduct	-2.76	
05 05 23 00-1115	EA 3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	32.57	
	For >100 To 250, Deduct	-1.88	
	For >250 To 500, Deduct	-2.35	
	For >500, Deduct	-2.82	
05 05 23 00-1116	EA 3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	34.26	
	For >100 To 250, Deduct	-1.88	
	For >250 To 500, Deduct	-2.35	
	For >500, Deduct	-2.82	
05 05 23 00-1117	EA 3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	39.48	
	For >100 To 250, Deduct	-1.88	
	For >250 To 500, Deduct	-2.35	
	For >500, Deduct	-2.82	
05 05 23 00-1118	EA 3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	47.21	
	For >100 To 250, Deduct	-1.92	
	For >250 To 500, Deduct	-2.40	
	For >500, Deduct	-2.88	
05 05 23 00-1119	EA 3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	53.08	
	For >100 To 250, Deduct	-1.92	
	For >250 To 500, Deduct	-2.40	
	For >500, Deduct	-2.88	
05 05 23 00-1120	EA 3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	53.97	
	For >100 To 250, Deduct	-1.92	
	For >250 To 500, Deduct	-2.40	
	For >500, Deduct	-2.88	
05 05 23 00-1121	EA 3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	57.70	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	
05 05 23 00-1122	EA 3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	66.61	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	
05 05 23 00-1123	EA 3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	67.36	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	
05 05 23 00-1124	EA 3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	69.24	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>05 05 23 00-1125      7/8" Diameter, 316 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0989)</small>		
05 05 23 00-1126    EA    7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	20.74	
For >100 To 250, Deduct	-1.96	
For >250 To 500, Deduct	-2.45	
For >500, Deduct	-2.94	
05 05 23 00-1127    EA    7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	23.19	
For >100 To 250, Deduct	-1.96	
For >250 To 500, Deduct	-2.45	
For >500, Deduct	-2.94	
05 05 23 00-1128    EA    7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	24.73	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-2.50	
For >500, Deduct	-3.00	
05 05 23 00-1129    EA    7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	28.16	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-2.50	
For >500, Deduct	-3.00	
05 05 23 00-1130    EA    7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	29.69	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-2.50	
For >500, Deduct	-3.00	
05 05 23 00-1131    EA    7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	31.24	
For >100 To 250, Deduct	-2.04	
For >250 To 500, Deduct	-2.55	
For >500, Deduct	-3.06	
05 05 23 00-1132    EA    7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	33.32	
For >100 To 250, Deduct	-2.04	
For >250 To 500, Deduct	-2.55	
For >500, Deduct	-3.06	
05 05 23 00-1133    EA    7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	37.99	
For >100 To 250, Deduct	-2.04	
For >250 To 500, Deduct	-2.55	
For >500, Deduct	-3.06	
05 05 23 00-1134    EA    7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	38.30	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.12	
05 05 23 00-1135    EA    7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	39.85	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.12	
05 05 23 00-1136    EA    7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	52.92	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.12	
05 05 23 00-1137    EA    7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	58.89	
For >100 To 250, Deduct	-2.12	
For >250 To 500, Deduct	-2.65	
For >500, Deduct	-3.18	
05 05 23 00-1138    EA    7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	65.10	
For >100 To 250, Deduct	-2.12	
For >250 To 500, Deduct	-2.65	
For >500, Deduct	-3.18	
05 05 23 00-1139    EA    7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt .....	68.15	
For >100 To 250, Deduct	-2.12	
For >250 To 500, Deduct	-2.65	
For >500, Deduct	-3.18	
05 05 23 00-1140    EA    7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	72.31	
For >100 To 250, Deduct	-2.16	
For >250 To 500, Deduct	-2.70	
For >500, Deduct	-3.23	
05 05 23 00-1141    EA    7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt .....	74.97	
For >100 To 250, Deduct	-2.16	
For >250 To 500, Deduct	-2.70	
For >500, Deduct	-3.23	
05 05 23 00-1142    EA    7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	77.61	
For >100 To 250, Deduct	-2.16	
For >250 To 500, Deduct	-2.70	
For >500, Deduct	-3.23	
05 05 23 00-1143    EA    7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt .....	80.57	
For >100 To 250, Deduct	-2.16	
For >250 To 500, Deduct	-2.70	
For >500, Deduct	-3.23	
<b>05 05 23 00-1144      1" Diameter, 316 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0989)</small>		
05 05 23 00-1145    EA    1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	26.13	
For >100 To 250, Deduct	-1.96	
For >250 To 500, Deduct	-2.45	
For >500, Deduct	-2.94	
05 05 23 00-1146    EA    1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	30.10	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-2.50	
For >500, Deduct	-3.00	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1147	EA		1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	32.63	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-1148	EA		1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	36.66	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-1149	EA		1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	38.31	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-1150	EA		1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	41.05	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-1151	EA		1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	43.81	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-1152	EA		1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	46.78	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-1153	EA		1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	53.93	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-1154	EA		1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	60.97	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-1155	EA		1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	70.80	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-1156	EA		1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	78.90	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-1157	EA		1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	80.06	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-1158	EA		1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	82.90	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-1159	EA		1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	84.01	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-1160	EA		1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	97.46	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-1161	EA		1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	110.44	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-1162	<b>Screws</b> <small>(05 05 23)</small>				
05 05 23 00-1163	<b>Teks® 5 Self Drilling Screws</b> <small>(05 05 23 00-1162)</small>				
	Note: Includes Climaseal® finish, self-drill point and tapping threads.				
05 05 23 00-1164	EA		12-24 x 1-1/4", Hex Washer Head, TekS® 5 Self Drilling Screw .....	3.77	
			<i>For &gt;10 To 50, Deduct</i>	-0.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.34	
			<i>For &gt;100, Deduct</i>	-0.68	
05 05 23 00-1165	EA		12-24 x 1-1/2", Hex Washer Head, TekS® 5 Self Drilling Screw .....	3.95	
			<i>For &gt;10 To 50, Deduct</i>	-0.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.34	
			<i>For &gt;100, Deduct</i>	-0.69	
05 05 23 00-1166	EA		12-24 x 2", Hex Washer Head, TekS® 5 Self Drilling Screw .....	4.42	
			<i>For &gt;10 To 50, Deduct</i>	-0.17	
			<i>For &gt;50 To 100, Deduct</i>	-0.37	
			<i>For &gt;100, Deduct</i>	-0.74	
05 05 23 00-1167	EA		1/4"-28 x 3", Hex Washer Head, TekS® 5 Self Drilling Screw.....	6.15	
			<i>For &gt;10 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.48	
			<i>For &gt;100, Deduct</i>	-0.96	
05 05 23 00-1168	EA		1/4"-28 x 4", Hex Washer Head, TekS® 5 Self Drilling Screw.....	6.57	
			<i>For &gt;10 To 50, Deduct</i>	-0.23	
			<i>For &gt;50 To 100, Deduct</i>	-0.51	
			<i>For &gt;100, Deduct</i>	-1.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1169 EA 1/4"-28 x 6", Hex Washer Head, Teks® 5 Self Drilling Screw.....	8.23	
<i>For &gt;10 To 50, Deduct</i>	-0.24	
<i>For &gt;50 To 100, Deduct</i>	-0.57	
<i>For &gt;100, Deduct</i>	-1.13	
05 05 23 00-1170 EA 1/4"-28 x 8", Hex Washer Head, Teks® 5 Self Drilling Screw.....	9.25	
<i>For &gt;10 To 50, Deduct</i>	-0.25	
<i>For &gt;50 To 100, Deduct</i>	-0.61	
<i>For &gt;100, Deduct</i>	-1.21	
<b>05 05 23 00-1171 Security Screws</b> <small>(05 05 23 00-1162)</small>		
<b>05 05 23 00-1172 304/18-8 Stainless Steel, Security Screws</b> <small>(05 05 23 00-1171)</small>		
Note: Includes "security" style drive in machine or sheet metal screw threads.		
05 05 23 00-1173 EA #4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws.....	2.89	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.28	
<i>For &gt;100, Deduct</i>	-0.56	
05 05 23 00-1174 EA #6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.27	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.29	
<i>For &gt;100, Deduct</i>	-0.58	
05 05 23 00-1175 EA #6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	3.60	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.30	
<i>For &gt;100, Deduct</i>	-0.59	
05 05 23 00-1176 EA #6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.71	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.30	
<i>For &gt;100, Deduct</i>	-0.60	
05 05 23 00-1177 EA #6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.92	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.30	
<i>For &gt;100, Deduct</i>	-0.61	
05 05 23 00-1178 EA #8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.36	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.29	
<i>For &gt;100, Deduct</i>	-0.58	
05 05 23 00-1179 EA #8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	3.51	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.29	
<i>For &gt;100, Deduct</i>	-0.59	
05 05 23 00-1180 EA #8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.84	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.30	
<i>For &gt;100, Deduct</i>	-0.60	
05 05 23 00-1181 EA #8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.94	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.30	
<i>For &gt;100, Deduct</i>	-0.61	
05 05 23 00-1182 EA #10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.46	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.29	
<i>For &gt;100, Deduct</i>	-0.59	
05 05 23 00-1183 EA #10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	3.50	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.29	
<i>For &gt;100, Deduct</i>	-0.59	
05 05 23 00-1184 EA #10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.64	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.30	
<i>For &gt;100, Deduct</i>	-0.59	
05 05 23 00-1185 EA #10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	4.08	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.31	
<i>For &gt;100, Deduct</i>	-0.62	
05 05 23 00-1186 EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.71	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.30	
<i>For &gt;100, Deduct</i>	-0.60	
05 05 23 00-1187 EA 1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	3.81	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.30	
<i>For &gt;100, Deduct</i>	-0.60	
05 05 23 00-1188 EA 1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	4.23	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.31	
<i>For &gt;100, Deduct</i>	-0.62	
05 05 23 00-1189 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	4.90	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.33	
<i>For &gt;100, Deduct</i>	-0.66	

## 05 05 23 00-1190

**Threaded Rod** (05 05 23)

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
washers.							
05 05 23 00-1191					Plain Finish Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1192	LF				1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.03	0.51
					<i>For Left Hand Threaded Rod, Add</i>	0.10	
05 05 23 00-1193	LF				5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.64	0.56
					<i>For Left Hand Threaded Rod, Add</i>	0.15	
05 05 23 00-1194	LF				3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.06	0.66
					<i>For Left Hand Threaded Rod, Add</i>	0.18	
05 05 23 00-1195	LF				7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.08	0.67
					<i>For Left Hand Threaded Rod, Add</i>	0.28	
05 05 23 00-1196	LF				1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.20	0.70
					<i>For Left Hand Threaded Rod, Add</i>	0.28	
05 05 23 00-1197	LF				9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.15	0.71
					<i>For Left Hand Threaded Rod, Add</i>	0.38	
05 05 23 00-1198	LF				5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.79	0.72
					<i>For Left Hand Threaded Rod, Add</i>	0.44	
05 05 23 00-1199	LF				3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.40	0.74
					<i>For Left Hand Threaded Rod, Add</i>	0.79	
05 05 23 00-1200	LF				7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.23	0.76
					<i>For Left Hand Threaded Rod, Add</i>	0.87	
05 05 23 00-1201	LF				1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	13.95	0.86
					<i>For Left Hand Threaded Rod, Add</i>	1.22	
05 05 23 00-1202	LF				1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.35	0.96
					<i>For Left Hand Threaded Rod, Add</i>	1.54	
05 05 23 00-1203	LF				1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	22.96	1.04
					<i>For Left Hand Threaded Rod, Add</i>	2.08	
05 05 23 00-1204	LF				1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	28.52	1.13
					<i>For Left Hand Threaded Rod, Add</i>	2.63	
05 05 23 00-1205	LF				1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	34.07	1.18
					<i>For Left Hand Threaded Rod, Add</i>	3.17	
05 05 23 00-1206	LF				1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	41.73	1.23
					<i>For Left Hand Threaded Rod, Add</i>	3.93	
05 05 23 00-1207	LF				2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	53.25	1.29
					<i>For Left Hand Threaded Rod, Add</i>	5.07	
05 05 23 00-1208					Zinc Plated Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1209	LF				1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.05	0.51
					<i>For Left Hand Threaded Rod, Add</i>	0.10	
05 05 23 00-1210	LF				5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.97	0.56
					<i>For Left Hand Threaded Rod, Add</i>	0.18	
05 05 23 00-1211	LF				3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.31	0.66
					<i>For Left Hand Threaded Rod, Add</i>	0.20	
05 05 23 00-1212	LF				7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	4.70	0.67
					<i>For Left Hand Threaded Rod, Add</i>	0.34	
05 05 23 00-1213	LF				1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.07	0.70
					<i>For Left Hand Threaded Rod, Add</i>	0.37	
05 05 23 00-1214	LF				9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	6.58	0.71
					<i>For Left Hand Threaded Rod, Add</i>	0.52	
05 05 23 00-1215	LF				5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	6.99	0.72
					<i>For Left Hand Threaded Rod, Add</i>	0.56	
05 05 23 00-1216	LF				3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	10.42	0.74
					<i>For Left Hand Threaded Rod, Add</i>	0.90	
05 05 23 00-1217	LF				7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	13.45	0.76
					<i>For Left Hand Threaded Rod, Add</i>	1.19	
05 05 23 00-1218	LF				1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	18.01	0.86
					<i>For Left Hand Threaded Rod, Add</i>	1.63	
05 05 23 00-1219	LF				1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	23.21	0.96
					<i>For Left Hand Threaded Rod, Add</i>	2.13	
05 05 23 00-1220	LF				1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	27.68	1.04
					<i>For Left Hand Threaded Rod, Add</i>	2.55	
05 05 23 00-1221	LF				1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	31.44	1.13
					<i>For Left Hand Threaded Rod, Add</i>	2.92	
05 05 23 00-1222	LF				1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	39.53	1.18
					<i>For Left Hand Threaded Rod, Add</i>	3.72	
05 05 23 00-1223	LF				1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	48.93	1.23
					<i>For Left Hand Threaded Rod, Add</i>	4.65	
05 05 23 00-1224	LF				2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	71.29	1.29
					<i>For Left Hand Threaded Rod, Add</i>	6.87	
05 05 23 00-1225					Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1226	LF				3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	5.35	0.66
					<i>For Left Hand Threaded Rod, Add</i>	0.41	
05 05 23 00-1227	LF				1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	7.45	0.70
					<i>For Left Hand Threaded Rod, Add</i>	0.61	
05 05 23 00-1228	LF				5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	10.00	0.72
					<i>For Left Hand Threaded Rod, Add</i>	0.86	
05 05 23 00-1229	LF				3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	13.67	0.74
					<i>For Left Hand Threaded Rod, Add</i>	1.22	
05 05 23 00-1230	LF				7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	18.87	0.76
					<i>For Left Hand Threaded Rod, Add</i>	1.74	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1231 LF 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	24.31 2.26	0.86
05 05 23 00-1232 LF 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	31.95 3.00	0.96
05 05 23 00-1233 LF 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	41.97 3.98	1.04
05 05 23 00-1234 LF 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	46.88 4.46	1.13
05 05 23 00-1235 LF 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	55.77 5.34	1.18
05 05 23 00-1236 LF 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	67.71 6.53	1.23
05 05 23 00-1237 LF 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	117.99 11.54	1.29
<b>05 05 23 00-1238 304/18-8 Stainless Steel Threaded Rod</b> <small>(05 05 23 00-1190)</small>		
05 05 23 00-1239 LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	3.04 0.20	0.51
05 05 23 00-1240 LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	4.56 0.34	0.56
05 05 23 00-1241 LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	5.85 0.46	0.66
05 05 23 00-1242 LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	8.11 0.68	0.67
05 05 23 00-1243 LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	9.74 0.84	0.70
05 05 23 00-1244 LF 9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	13.97 1.26	0.71
05 05 23 00-1245 LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	14.60 1.32	0.72
05 05 23 00-1246 LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	20.42 1.90	0.74
05 05 23 00-1247 LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	28.07 2.66	0.76
05 05 23 00-1248 LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	36.00 3.43	0.86
05 05 23 00-1249 LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	76.18 7.40	1.04
05 05 23 00-1250 LF 1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	115.96 11.36	1.18
05 05 23 00-1251 LF 1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	119.28 11.68	1.23
05 05 23 00-1252 LF 2" Diameter, 304/18-8 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	165.03 16.24	1.29
<b>05 05 23 00-1253 316 Stainless Steel Threaded Rod</b> <small>(05 05 23 00-1190)</small>		
05 05 23 00-1254 LF 1/4" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	4.38 0.33	0.51
05 05 23 00-1255 LF 5/16" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	7.04 0.59	0.56
05 05 23 00-1256 LF 3/8" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	9.34 0.81	0.66
05 05 23 00-1257 LF 7/16" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	14.56 1.32	0.67
05 05 23 00-1258 LF 1/2" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	15.45 1.41	0.70
05 05 23 00-1259 LF 9/16" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	20.26 1.89	0.71
05 05 23 00-1260 LF 5/8" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	21.80 2.04	0.72
05 05 23 00-1261 LF 3/4" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	31.77 3.03	0.74
05 05 23 00-1262 LF 7/8" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	43.48 4.20	0.76
05 05 23 00-1263 LF 1" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	55.01 5.33	0.86
05 05 23 00-1264 LF 1-1/4" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	116.10 11.39	1.04
05 05 23 00-1265 LF 1-1/2" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	152.17 14.98	1.18
<b>05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod</b> <small>(05 05 23 00-1190)</small>		
05 05 23 00-1267 LF 1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod ..... <i>For Zinc Plating, Add</i>	3.44 1.20	0.51
05 05 23 00-1268 LF 5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	5.25 2.06	0.56
05 05 23 00-1269 LF 3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod ..... <i>For Zinc Plating, Add</i>	5.49 2.10	0.66
05 05 23 00-1270 LF 7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod ..... <i>For Zinc Plating, Add</i>	5.99 2.33	0.67

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1271	LF		1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	6.60	0.70
			<i>For Zinc Plating, Add</i> .....	2.61	
05 05 23 00-1272	LF		9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	8.21	0.71
			<i>For Zinc Plating, Add</i> .....	3.41	
05 05 23 00-1273	LF		5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	8.48	0.72
			<i>For Zinc Plating, Add</i> .....	3.53	
05 05 23 00-1274	LF		3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	11.21	0.74
			<i>For Zinc Plating, Add</i> .....	4.87	
05 05 23 00-1275	LF		7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	13.41	0.76
			<i>For Zinc Plating, Add</i> .....	5.95	
05 05 23 00-1276	LF		1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	17.38	0.86
			<i>For Zinc Plating, Add</i> .....	7.83	
05 05 23 00-1277	LF		1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	22.59	0.96
			<i>For Zinc Plating, Add</i> .....	10.34	
05 05 23 00-1278	LF		1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	25.14	1.04
			<i>For Zinc Plating, Add</i> .....	11.49	
05 05 23 00-1279	LF		1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	28.99	1.13
			<i>For Zinc Plating, Add</i> .....	13.37	
05 05 23 00-1280	LF		1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	35.22	1.18
			<i>For Zinc Plating, Add</i> .....	16.44	
05 05 23 00-1281	LF		1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	36.41	1.23
			<i>For Zinc Plating, Add</i> .....	16.98	
05 05 23 00-1282	LF		2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	48.82	1.29
			<i>For Zinc Plating, Add</i> .....	23.12	

**05 05 23 00-1283 Nuts And Washers (05 05 23)****05 05 23 00-1284 Hex Nuts (05 05 23 00-1283)****05 05 23 00-1285 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)**

05 05 23 00-1286	EA		1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.59	0.27
05 05 23 00-1287	EA		5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.66	0.27
05 05 23 00-1288	EA		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.70	0.27
05 05 23 00-1289	EA		7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.80	0.27
05 05 23 00-1290	EA		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.88	0.27
05 05 23 00-1291	EA		9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	1.12	0.27
05 05 23 00-1292	EA		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	1.16	0.27
05 05 23 00-1293	EA		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	1.35	0.54
05 05 23 00-1294	EA		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	1.94	0.54
05 05 23 00-1295	EA		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	2.44	0.54
05 05 23 00-1296	EA		1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	3.90	0.54
05 05 23 00-1297	EA		1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	4.76	0.54
05 05 23 00-1298	EA		1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	6.93	0.54
05 05 23 00-1299	EA		1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	7.99	0.82
05 05 23 00-1300	EA		1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	11.65	0.82
05 05 23 00-1301	EA		2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	16.74	0.82

**05 05 23 00-1302 Zinc Plated Steel, Grade 5 Hex Nuts (05 05 23 00-1284)**

05 05 23 00-1303	EA		1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	0.61	0.27
05 05 23 00-1304	EA		5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	0.67	0.27
05 05 23 00-1305	EA		3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	0.72	0.27
05 05 23 00-1306	EA		7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	0.83	0.27
05 05 23 00-1307	EA		1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	0.97	0.27
05 05 23 00-1308	EA		9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	1.14	0.27
05 05 23 00-1309	EA		5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	1.18	0.27
05 05 23 00-1310	EA		3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	1.51	0.54
05 05 23 00-1311	EA		7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	2.10	0.54
05 05 23 00-1312	EA		1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	2.92	0.54
05 05 23 00-1313	EA		1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	4.39	0.54
05 05 23 00-1314	EA		1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	6.16	0.54
05 05 23 00-1315	EA		1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	8.96	0.54
05 05 23 00-1316	EA		1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	9.88	0.82
05 05 23 00-1317	EA		1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	17.67	0.82
05 05 23 00-1318	EA		2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	25.25	0.82

**05 05 23 00-1319 Zinc Plated Steel, Grade 8 Hex Nuts (05 05 23 00-1284)**

05 05 23 00-1320	EA		1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	0.62	0.27
05 05 23 00-1321	EA		5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	0.71	0.27
05 05 23 00-1322	EA		3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	0.76	0.27
05 05 23 00-1323	EA		7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	0.93	0.27
05 05 23 00-1324	EA		1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	1.11	0.27
05 05 23 00-1325	EA		9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	1.30	0.27
05 05 23 00-1326	EA		5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	1.47	0.27
05 05 23 00-1327	EA		3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	1.81	0.54
05 05 23 00-1328	EA		7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	2.67	0.54
05 05 23 00-1329	EA		1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	3.52	0.54
05 05 23 00-1330	EA		1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	5.43	0.54
05 05 23 00-1331	EA		1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	6.76	0.54
05 05 23 00-1332	EA		1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	11.02	0.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1333 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	11.69	0.82
05 05 23 00-1334 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	17.72	0.82
05 05 23 00-1335 EA 2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	24.97	0.82
<b>05 05 23 00-1336 Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts</b> (05 05 23 00-1284)		
05 05 23 00-1337 EA 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.62	0.27
05 05 23 00-1338 EA 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.69	0.27
05 05 23 00-1339 EA 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.74	0.27
05 05 23 00-1340 EA 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.91	0.27
05 05 23 00-1341 EA 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.05	0.27
05 05 23 00-1342 EA 9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.15	0.27
05 05 23 00-1343 EA 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.27	0.27
05 05 23 00-1344 EA 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.66	0.54
05 05 23 00-1345 EA 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	2.37	0.54
05 05 23 00-1346 EA 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	3.23	0.54
05 05 23 00-1347 EA 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	5.26	0.54
05 05 23 00-1348 EA 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	6.72	0.54
05 05 23 00-1349 EA 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	9.89	0.54
05 05 23 00-1350 EA 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	11.51	0.82
05 05 23 00-1351 EA 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	19.93	0.82
05 05 23 00-1352 EA 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	34.32	0.82
<b>05 05 23 00-1353 304 Stainless Steel Hex Nuts</b> (05 05 23 00-1284)		
05 05 23 00-1354 EA 1/4" Diameter, 304 Stainless Steel Hex Nut.....	0.70	0.27
05 05 23 00-1355 EA 5/16" Diameter, 304 Stainless Steel Hex Nut.....	0.83	0.27
05 05 23 00-1356 EA 3/8" Diameter, 304 Stainless Steel Hex Nut.....	0.92	0.27
05 05 23 00-1357 EA 7/16" Diameter, 304 Stainless Steel Hex Nut.....	1.37	0.27
05 05 23 00-1358 EA 1/2" Diameter, 304 Stainless Steel Hex Nut.....	1.49	0.27
05 05 23 00-1359 EA 9/16" Diameter, 304 Stainless Steel Hex Nut.....	2.24	0.27
05 05 23 00-1360 EA 5/8" Diameter, 304 Stainless Steel Hex Nut.....	2.50	0.27
05 05 23 00-1361 EA 3/4" Diameter, 304 Stainless Steel Hex Nut.....	2.87	0.54
05 05 23 00-1362 EA 7/8" Diameter, 304 Stainless Steel Hex Nut.....	4.69	0.54
05 05 23 00-1363 EA 1" Diameter, 304 Stainless Steel Hex Nut.....	7.17	0.54
05 05 23 00-1364 EA 1-1/4" Diameter, 304 Stainless Steel Hex Nut.....	17.18	0.54
05 05 23 00-1365 EA 1-1/2" Diameter, 304 Stainless Steel Hex Nut.....	32.96	0.82
05 05 23 00-1366 EA 1-3/4" Diameter, 304 Stainless Steel Hex Nut.....	57.92	0.82
05 05 23 00-1367 EA 2" Diameter, 304 Stainless Steel Hex Nut.....	82.53	0.82
<b>05 05 23 00-1368 316 Stainless Steel Hex Nuts</b> (05 05 23 00-1284)		
05 05 23 00-1369 EA 1/4" Diameter, 316 Stainless Steel Hex Nut.....	0.81	0.27
05 05 23 00-1370 EA 5/16" Diameter, 316 Stainless Steel Hex Nut.....	0.93	0.27
05 05 23 00-1371 EA 3/8" Diameter, 316 Stainless Steel Hex Nut.....	1.10	0.27
05 05 23 00-1372 EA 7/16" Diameter, 316 Stainless Steel Hex Nut.....	1.79	0.27
05 05 23 00-1373 EA 1/2" Diameter, 316 Stainless Steel Hex Nut.....	1.93	0.27
05 05 23 00-1374 EA 9/16" Diameter, 316 Stainless Steel Hex Nut.....	2.61	0.27
05 05 23 00-1375 EA 5/8" Diameter, 316 Stainless Steel Hex Nut.....	2.95	0.54
05 05 23 00-1376 EA 3/4" Diameter, 316 Stainless Steel Hex Nut.....	4.10	0.27
05 05 23 00-1377 EA 7/8" Diameter, 316 Stainless Steel Hex Nut.....	5.69	0.54
05 05 23 00-1378 EA 1" Diameter, 316 Stainless Steel Hex Nut.....	8.77	0.54
05 05 23 00-1379 EA 1-1/4" Diameter, 316 Stainless Steel Hex Nut.....	26.61	0.54
05 05 23 00-1380 EA 1-1/2" Diameter, 316 Stainless Steel Hex Nut.....	43.02	0.82
05 05 23 00-1381 EA 1-3/4" Diameter, 316 Stainless Steel Hex Nut.....	72.57	0.82
05 05 23 00-1382 EA 2" Diameter, 316 Stainless Steel Hex Nut.....	134.87	0.82
<b>05 05 23 00-1383 Flat Washers</b> (05 05 23 00-1283)		
<b>05 05 23 00-1384 Zinc Plated Steel, Low Carbon Flat Washers</b> (05 05 23 00-1383)		
05 05 23 00-1385 EA 1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.04	
05 05 23 00-1386 EA 5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.06	
05 05 23 00-1387 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.11	
05 05 23 00-1388 EA 7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.16	
05 05 23 00-1389 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.23	
05 05 23 00-1390 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.26	
05 05 23 00-1391 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.44	
05 05 23 00-1392 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.64	
05 05 23 00-1393 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.76	
05 05 23 00-1394 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.94	
05 05 23 00-1395 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.06	
05 05 23 00-1396 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.26	
05 05 23 00-1397 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.98	
05 05 23 00-1398 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.03	
05 05 23 00-1399 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	3.01	
05 05 23 00-1400 EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	3.74	
<b>05 05 23 00-1401 Zinc Plated Steel, Hardened Flat Washers</b> (05 05 23 00-1383)		

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 23 00-1402	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.14	
05 05 23 00-1403	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.19	
05 05 23 00-1404	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.22	
05 05 23 00-1405	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.29	
05 05 23 00-1406	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.40	
05 05 23 00-1407	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.64	
05 05 23 00-1408	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.92	
05 05 23 00-1409	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.29	
05 05 23 00-1410	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	2.16	
05 05 23 00-1411	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	2.39	
05 05 23 00-1412	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.48	
05 05 23 00-1413	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.80	
05 05 23 00-1414	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	5.01	
05 05 23 00-1415	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	5.73	
05 05 23 00-1416	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	7.70	
05 05 23 00-1417	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	9.24	

**05 05 23 00-1418 Hot Dipped Galvanized Steel Flat Washers (05 05 23 00-1383)**

05 05 23 00-1419	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.09	
05 05 23 00-1420	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.13	
05 05 23 00-1421	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.14	
05 05 23 00-1422	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.27	
05 05 23 00-1423	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.34	
05 05 23 00-1424	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.56	
05 05 23 00-1425	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.63	
05 05 23 00-1426	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.96	
05 05 23 00-1427	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.34	
05 05 23 00-1428	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.48	
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.26	
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.51	
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.59	
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.89	
05 05 23 00-1433	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	5.65	

**05 05 23 00-1434 304/18-8 Stainless Steel Flat Washers (05 05 23 00-1383)**

05 05 23 00-1435	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.12	
05 05 23 00-1436	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.17	
05 05 23 00-1437	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.24	
05 05 23 00-1438	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.44	
05 05 23 00-1439	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.79	
05 05 23 00-1440	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.99	
05 05 23 00-1441	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.46	
05 05 23 00-1442	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.48	
05 05 23 00-1443	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	3.12	
05 05 23 00-1444	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	3.96	
05 05 23 00-1445	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	4.61	
05 05 23 00-1446	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	4.96	
05 05 23 00-1447	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	5.24	
05 05 23 00-1448	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	6.39	
05 05 23 00-1449	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	7.94	
05 05 23 00-1450	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	15.60	

**05 05 23 00-1451 316 Stainless Steel Flat Washers (05 05 23 00-1383)**

05 05 23 00-1452	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.24	
05 05 23 00-1453	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.26	
05 05 23 00-1454	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.47	
05 05 23 00-1455	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.56	
05 05 23 00-1456	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.03	
05 05 23 00-1457	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.85	
05 05 23 00-1458	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	2.18	
05 05 23 00-1459	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	2.75	
05 05 23 00-1460	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.26	
05 05 23 00-1461	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.76	
05 05 23 00-1462	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	5.43	
05 05 23 00-1463	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	6.68	
05 05 23 00-1464	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	7.07	
05 05 23 00-1465	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	7.23	
05 05 23 00-1466	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	10.59	

**05 05 23 00-1467 Lock Washers (05 05 23 00-1283)****05 05 23 00-1468 Zinc Plated Steel, Low Carbon Lock Washers (05 05 23 00-1467)**

05 05 23 00-1469	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.02	
05 05 23 00-1470	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.03	
05 05 23 00-1471	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.04	
05 05 23 00-1472	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.06	
05 05 23 00-1473	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1474 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.15	
05 05 23 00-1475 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.17	
05 05 23 00-1476 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.26	
05 05 23 00-1477 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.42	
05 05 23 00-1478 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.76	
05 05 23 00-1479 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	1.12	
05 05 23 00-1480 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	1.71	
05 05 23 00-1481 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	2.71	
05 05 23 00-1482 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	3.19	
05 05 23 00-1483 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	5.70	
05 05 23 00-1484 EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	6.42	
<b>05 05 23 00-1485 Hot Dipped Galvanized Steel Lock Washers</b> <small>(05 05 23 00-1467)</small>		
05 05 23 00-1486 EA 1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.07	
05 05 23 00-1487 EA 5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.08	
05 05 23 00-1488 EA 3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.11	
05 05 23 00-1489 EA 7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.12	
05 05 23 00-1490 EA 1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.19	
05 05 23 00-1491 EA 9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.25	
05 05 23 00-1492 EA 5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.29	
05 05 23 00-1493 EA 3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.49	
05 05 23 00-1494 EA 7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.71	
05 05 23 00-1495 EA 1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	1.12	
05 05 23 00-1496 EA 1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	2.02	
05 05 23 00-1497 EA 1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	2.41	
05 05 23 00-1498 EA 1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	3.48	
05 05 23 00-1499 EA 1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	3.98	
05 05 23 00-1500 EA 1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	5.39	
05 05 23 00-1501 EA 2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	7.34	
<b>05 05 23 00-1502 304/18-8 Stainless Steel Lock Washers</b> <small>(05 05 23 00-1467)</small>		
05 05 23 00-1503 EA 1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	0.10	
05 05 23 00-1504 EA 5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	0.15	
05 05 23 00-1505 EA 3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	0.20	
05 05 23 00-1506 EA 7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	0.38	
05 05 23 00-1507 EA 1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	0.42	
05 05 23 00-1508 EA 9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	1.02	
05 05 23 00-1509 EA 5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	1.20	
05 05 23 00-1510 EA 3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	1.40	
05 05 23 00-1511 EA 7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	2.54	
05 05 23 00-1512 EA 1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	3.59	
05 05 23 00-1513 EA 1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	6.26	
05 05 23 00-1514 EA 1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	8.32	
05 05 23 00-1515 EA 1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	10.59	
05 05 23 00-1516 EA 1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	12.70	
<b>05 05 23 00-1517 316 Stainless Steel Lock Washers</b> <small>(05 05 23 00-1467)</small>		
05 05 23 00-1518 EA 1/4" Inside Diameter, 316 Stainless Steel Lock Washer .....	0.13	
05 05 23 00-1519 EA 5/16" Inside Diameter, 316 Stainless Steel Lock Washer .....	0.28	
05 05 23 00-1520 EA 3/8" Inside Diameter, 316 Stainless Steel Lock Washer .....	0.32	
05 05 23 00-1521 EA 7/16" Inside Diameter, 316 Stainless Steel Lock Washer .....	0.55	
05 05 23 00-1522 EA 1/2" Inside Diameter, 316 Stainless Steel Lock Washer .....	0.61	
05 05 23 00-1523 EA 9/16" Inside Diameter, 316 Stainless Steel Lock Washer .....	1.09	
05 05 23 00-1524 EA 5/8" Inside Diameter, 316 Stainless Steel Lock Washer .....	1.20	
05 05 23 00-1525 EA 3/4" Inside Diameter, 316 Stainless Steel Lock Washer .....	2.06	
05 05 23 00-1526 EA 7/8" Inside Diameter, 316 Stainless Steel Lock Washer .....	3.41	
05 05 23 00-1527 EA 1" Inside Diameter, 316 Stainless Steel Lock Washer .....	4.64	
05 05 23 00-1528 EA 1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer .....	6.48	
05 05 23 00-1529 EA 1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer .....	9.98	
05 05 23 00-1530 EA 1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer .....	17.86	
05 05 23 00-1531 EA 1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer .....	19.84	
<b>05 05 23 00-1532 Load Indicating Washers</b> <small>(05 05 23 00-1283)</small>		
<b>05 05 23 00-1533 A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959)</b> <small>(05 05 23 00-1532)</small>		
<b>05 05 23 00-1534 Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959)</b> <small>(05 05 23 00-1533)</small>		
05 05 23 00-1535 EA 1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	1.86	
05 05 23 00-1536 EA 5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	2.10	
05 05 23 00-1537 EA 3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	2.27	
05 05 23 00-1538 EA 7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	2.58	
05 05 23 00-1539 EA 1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	3.11	
05 05 23 00-1540 EA 1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	5.17	
05 05 23 00-1541 EA 1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	6.68	
05 05 23 00-1542 EA 1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	8.53	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-1543	EA	1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	9.38	
<b>05 05 23 00-1544 Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1533)</b>				
05 05 23 00-1545	EA	1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.35	
05 05 23 00-1546	EA	5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.62	
05 05 23 00-1547	EA	3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.55	
05 05 23 00-1548	EA	7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.11	
05 05 23 00-1549	EA	1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.68	
05 05 23 00-1550	EA	1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	5.55	
05 05 23 00-1551	EA	1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	6.99	
05 05 23 00-1552	EA	1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	9.95	
05 05 23 00-1553	EA	1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	10.94	
<b>05 05 23 00-1554 Beveled Washers (05 05 23 00-1283)</b>				
<b>05 05 23 00-1555 Plain Finish, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)</b>				
05 05 23 00-1556	EA	1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	3.07	
05 05 23 00-1557	EA	5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	3.13	
05 05 23 00-1558	EA	3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	3.20	
05 05 23 00-1559	EA	7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	3.89	
05 05 23 00-1560	EA	1", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	4.10	
<b>05 05 23 00-1561 Galvanized, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)</b>				
05 05 23 00-1562	EA	1/2", Galvanized, Square Beveled Structural Washer (ASTM F436).....	4.41	
05 05 23 00-1563	EA	5/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	4.61	
05 05 23 00-1564	EA	3/4", Galvanized, Square Beveled Structural Washer (ASTM F436).....	4.61	
05 05 23 00-1565	EA	7/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	4.88	
05 05 23 00-1566	EA	1", Galvanized, Square Beveled Structural Washer (ASTM F436).....	5.18	
<b>05 05 23 00-1567 Drilling In Steel Plates (05 05 23)</b>				
05 05 23 00-1568	EA	Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	19.76	
		For Aluminum, Deduct	-1.98	
		For Stainless Steel, Add	2.47	
		For >5 To 10, Deduct	-1.98	
		For >10 To 25, Deduct	-4.94	
		For >25 To 50, Deduct	-6.92	
		For >50, Deduct	-9.88	
05 05 23 00-1569	EA	>1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate.....	23.24	
		For Aluminum, Deduct	-2.32	
		For Stainless Steel, Add	2.91	
		For >5 To 10, Deduct	-2.32	
		For >10 To 25, Deduct	-5.81	
		For >25 To 50, Deduct	-8.13	
		For >50, Deduct	-11.62	
05 05 23 00-1570	EA	>7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	27.90	
		For Aluminum, Deduct	-2.79	
		For Stainless Steel, Add	3.49	
		For >5 To 10, Deduct	-2.79	
		For >10 To 25, Deduct	-6.98	
		For >25 To 50, Deduct	-9.77	
		For >50, Deduct	-13.95	
05 05 23 00-1571	EA	>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate.....	32.54	
		For Aluminum, Deduct	-3.25	
		For Stainless Steel, Add	4.07	
		For >5 To 10, Deduct	-3.25	
		For >10 To 25, Deduct	-8.14	
		For >25 To 50, Deduct	-11.39	
		For >50, Deduct	-16.27	
05 05 23 00-1572	EA	>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate.....	43.59	
		For Aluminum, Deduct	-4.36	
		For Stainless Steel, Add	5.45	
		For >5 To 10, Deduct	-4.36	
		For >10 To 25, Deduct	-10.90	
		For >25 To 50, Deduct	-15.26	
		For >50, Deduct	-21.80	
05 05 23 00-1573	EA	Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	23.24	
		For Aluminum, Deduct	-2.32	
		For Stainless Steel, Add	2.91	
		For >5 To 10, Deduct	-2.32	
		For >10 To 25, Deduct	-5.81	
		For >25 To 50, Deduct	-8.13	
		For >50, Deduct	-11.62	
05 05 23 00-1574	EA	>1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	29.06	
		For Aluminum, Deduct	-2.91	
		For Stainless Steel, Add	3.63	
		For >5 To 10, Deduct	-2.91	
		For >10 To 25, Deduct	-7.27	
		For >25 To 50, Deduct	-10.17	
		For >50, Deduct	-14.53	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1575	EA			>7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	34.87	
				<i>For Aluminum, Deduct</i>	-3.49	
				<i>For Stainless Steel, Add</i>	4.36	
				<i>For &gt;5 To 10, Deduct</i>	-3.49	
				<i>For &gt;10 To 25, Deduct</i>	-8.72	
				<i>For &gt;25 To 50, Deduct</i>	-12.20	
				<i>For &gt;50, Deduct</i>	-17.44	
05 05 23 00-1576	EA			>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	43.59	
				<i>For Aluminum, Deduct</i>	-4.36	
				<i>For Stainless Steel, Add</i>	5.45	
				<i>For &gt;5 To 10, Deduct</i>	-4.36	
				<i>For &gt;10 To 25, Deduct</i>	-10.90	
				<i>For &gt;25 To 50, Deduct</i>	-15.26	
				<i>For &gt;50, Deduct</i>	-21.80	
05 05 23 00-1577	EA			Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	29.06	
				<i>For Aluminum, Deduct</i>	-2.91	
				<i>For Stainless Steel, Add</i>	3.63	
				<i>For &gt;5 To 10, Deduct</i>	-2.91	
				<i>For &gt;10 To 25, Deduct</i>	-7.27	
				<i>For &gt;25 To 50, Deduct</i>	-10.17	
				<i>For &gt;50, Deduct</i>	-14.53	
05 05 23 00-1578	EA			>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate.....	38.35	
				<i>For Aluminum, Deduct</i>	-3.84	
				<i>For Stainless Steel, Add</i>	4.79	
				<i>For &gt;5 To 10, Deduct</i>	-3.84	
				<i>For &gt;10 To 25, Deduct</i>	-9.59	
				<i>For &gt;25 To 50, Deduct</i>	-13.42	
				<i>For &gt;50, Deduct</i>	-19.18	
05 05 23 00-1579	EA			>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	46.49	
				<i>For Aluminum, Deduct</i>	-4.65	
				<i>For Stainless Steel, Add</i>	5.81	
				<i>For &gt;5 To 10, Deduct</i>	-4.65	
				<i>For &gt;10 To 25, Deduct</i>	-11.62	
				<i>For &gt;25 To 50, Deduct</i>	-16.27	
				<i>For &gt;50, Deduct</i>	-23.25	

### 05 05 23 00-1580 Welded Stud Anchors (05 05 23)

05 05 23 00-1581	EA	1-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.18
05 05 23 00-1582	EA	2-11/16" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.27
05 05 23 00-1583	EA	3-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.31
05 05 23 00-1584	EA	4-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.35
05 05 23 00-1585	EA	1-3/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.09
05 05 23 00-1586	EA	1-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.31
05 05 23 00-1587	EA	2-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.54
05 05 23 00-1588	EA	2-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.66
05 05 23 00-1589	EA	3-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.78
05 05 23 00-1590	EA	4-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.26
05 05 23 00-1591	EA	5-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.64
05 05 23 00-1592	EA	6-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.95
05 05 23 00-1593	EA	1-1/2" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.04
05 05 23 00-1594	EA	1-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.07
05 05 23 00-1595	EA	2-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.43
05 05 23 00-1596	EA	2-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.76
05 05 23 00-1597	EA	3-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.18
05 05 23 00-1598	EA	4-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.82
05 05 23 00-1599	EA	5-5/16" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	7.24
05 05 23 00-1600	EA	6-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	8.37
05 05 23 00-1601	EA	8-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	10.52
05 05 23 00-1602	EA	2-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	7.22
05 05 23 00-1603	EA	3-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	7.77
05 05 23 00-1604	EA	3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	8.21
05 05 23 00-1605	EA	4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	8.64
05 05 23 00-1606	EA	4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.01
05 05 23 00-1607	EA	5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.34
05 05 23 00-1608	EA	6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.78
05 05 23 00-1609	EA	6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	11.61
05 05 23 00-1610	EA	8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	14.14

### 05 05 23 00-1611 Welded Shear Stud Connector (05 05 23)

#### 05 05 23 00-1612 3/4" Diameter Welded Shear Stud Connector (05 05 23 00-1611)

05 05 23 00-1613	EA	3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	9.29
05 05 23 00-1614	EA	3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector.....	9.67
05 05 23 00-1615	EA	3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector.....	9.78
05 05 23 00-1616	EA	3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	9.83
05 05 23 00-1617	EA	3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector.....	10.27
05 05 23 00-1618	EA	3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector.....	11.07
05 05 23 00-1619	EA	3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector.....	18.84
05 05 23 00-1620	EA	3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	12.00
05 05 23 00-1621	EA	3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector.....	13.42
05 05 23 00-1622	EA	3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	17.42

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1623 EA 3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	17.86	
05 05 23 00-1624 EA 3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	19.41	
05 05 23 00-1625 EA 3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	25.91	
<b>05 05 23 00-1626 7/8" Diameter Welded Shear Stud Connector (05 05 23 00-1611)</b>		
05 05 23 00-1627 EA 7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	11.22	
05 05 23 00-1628 EA 7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector.....	11.84	
05 05 23 00-1629 EA 7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	12.46	
05 05 23 00-1630 EA 7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	14.24	
05 05 23 00-1631 EA 7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	18.37	
05 05 23 00-1632 EA 7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	20.26	
05 05 23 00-1633 EA 7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	22.12	
05 05 23 00-1634 EA 7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	27.33	
<b>05 05 23 00-1635 1" Diameter Welded Shear Stud Connector (05 05 23 00-1611)</b>		
05 05 23 00-1636 EA 1" Diameter x 3-1/4" Long, Welded Shear Stud Connector .....	15.28	
05 05 23 00-1637 EA 1" Diameter x 4-1/4" Long, Welded Shear Stud Connector .....	17.19	
05 05 23 00-1638 EA 1" Diameter x 5-1/4" Long, Welded Shear Stud Connector .....	20.00	
05 05 23 00-1639 EA 1" Diameter x 6-1/4" Long, Welded Shear Stud Connector .....	25.42	
05 05 23 00-1640 EA 1" Diameter x 7-1/4" Long, Welded Shear Stud Connector .....	28.37	
05 05 23 00-1641 EA 1" Diameter x 8-1/4" Long, Welded Shear Stud Connector .....	31.31	

**05 10 Structural Metal Framing (05)****05 12 Structural Steel Framing (05 10)****05 12 23 Structural Steel for Buildings (05 12)**

See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0117 for field fabrication of additional structural metal connections.

**05 12 23 00-0001 Rolled Steel Members (05 12 23)**

Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0117 for field fabrication of additional structural metal connections.

**05 12 23 00-0002 Beams, Girders And Columns (05 12 23 00-0001)**

Note: For one and two story I beams and W shapes and HP shapes.

05 12 23 00-0003 TON Up To 30 LB/LF Beams, Girders And Columns .....	10,103.83	1,229.61
For ASTM A242 Type 2 High Strength Steel, Add	604.80	
For Hot Dip Galvanizing, Add	2,116.81	
For >10 To 25 Tons, Deduct	-642.60	
For >25 To 50 Tons, Deduct	-1,323.01	
For >50 Tons, Deduct	-1,890.01	
05 12 23 00-0004 TON >30-65 LB/LF Beams, Girders And Columns.....	7,052.52	794.86
For ASTM A242 Type 2 High Strength Steel, Add	496.37	
For Hot Dip Galvanizing, Add	1,737.29	
For >10 To 25 Tons, Deduct	-527.39	
For >25 To 50 Tons, Deduct	-1,085.80	
For >50 Tons, Deduct	-1,551.15	
05 12 23 00-0005 TON >65-100 LB/LF Beams, Girders And Columns.....	5,985.29	447.15
For ASTM A242 Type 2 High Strength Steel, Add	440.67	
For Hot Dip Galvanizing, Add	1,542.33	
For >10 To 25 Tons, Deduct	-468.21	
For >25 To 50 Tons, Deduct	-963.96	
For >50 Tons, Deduct	-1,377.08	
05 12 23 00-0006 TON >100-300 LB/LF Beams, Girders And Columns.....	4,019.97	238.00
For ASTM A242 Type 2 High Strength Steel, Add	301.25	
For Hot Dip Galvanizing, Add	1,054.37	
For >10 To 25 Tons, Deduct	-320.08	
For >25 To 50 Tons, Deduct	-658.98	
For >50 Tons, Deduct	-941.40	

**05 12 23 00-0007 Trusses, Built-Up (05 12 23 00-0001)**

05 12 23 00-0008 TON Built-Up Trusses, Rolled Structural Steel Members.....	7,483.37	836.23
For ASTM A242 Type 2 High Strength Steel, Add	527.35	
For Hot Dip Galvanizing, Add	1,845.72	
For >10 To 25 Tons, Deduct	-560.31	
For >25 To 50 Tons, Deduct	-1,153.57	
For >50 Tons, Deduct	-1,647.96	

**05 12 23 00-0009 Shapes (05 12 23 00-0001)****05 12 23 00-0010 Rolled Shape Steel Angles (05 12 23 00-0009)**





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0011 TON Up To 10 LB/LF Rolled Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	14,727.49 873.42 3,056.97 -928.01 -1,910.61 -2,729.44	2,285.83
05 12 23 00-0012 TON >10 To 20 LB/LF Rolled Shape Steel Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	12,987.76 835.52 2,924.31 -887.74 -1,827.69 -2,610.99	1,341.45
05 12 23 00-0013 TON >20 To 58 LB/LF Rolled Shape Steel Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,035.19 734.99 2,572.47 -780.93 -1,607.79 -2,296.85	794.86
<b>05 12 23 00-0014 Rolled C, MC Steel Channels</b> (05 12 23 00-0009)		
05 12 23 00-0015 TON Up To 10 LB/LF Rolled C, MC Steel Channels..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	15,994.28 860.24 3,010.83 -914.00 -1,881.77 -2,688.24	3,130.06
05 12 23 00-0016 TON >10 To 20 Rolled C, MC Steel Channels..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	12,843.56 823.98 2,883.94 -875.48 -1,802.46 -2,574.94	2,384.80
05 12 23 00-0017 TON >20 To 58 LB/LF Rolled C, MC Steel Channels ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	9,870.40 721.81 2,526.33 -766.92 -1,578.96 -2,255.65	794.86
<b>05 12 23 00-0018 Double L Shape Steel Angles</b> (05 12 23 00-0009)		
05 12 23 00-0019 TON Up To 20 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	13,680.54 840.46 2,941.62 -892.99 -1,838.51 -2,626.44	1,813.64
05 12 23 00-0020 TON >20 To 50 LB/LF Double L Shape Steel Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,735.58 791.02 2,768.58 -840.46 -1,730.36 -2,471.95	794.86
05 12 23 00-0021 TON >50 To 80 LB/LF Double L Shape Steel Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	8,098.79 609.75 2,134.11 -647.86 -1,333.82 -1,905.46	447.15
05 12 23 00-0022 TON >80 To 115 LB/LF Double L Shape Steel Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	5,197.87 395.51 1,384.29 -420.23 -865.18 -1,235.97	238.36
<b>05 12 23 00-0023 Structural WT, MT, ST Tee Shapes</b> (05 12 23 00-0001)		
05 12 23 00-0024 TON Up To 30 LB/LF Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	12,431.57 791.02 2,768.58 -840.46 -1,730.36 -2,471.95	1,341.45
05 12 23 00-0025 TON >30 To 65 LB/LF Structural WT, MT, ST Tee Shapes ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	8,407.96 604.80 2,116.81 -642.60 -1,323.01 -1,890.01	794.86

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0026 TON >65 To 100 LB/LF Structural WT, MT, ST Tee Shapes .....	6,656.82	447.15
For ASTM A242 Type 2 High Strength Steel, Add	494.39	
For Hot Dip Galvanizing, Add	1,730.36	
For >10 To 25 Tons, Deduct	-525.29	
For >25 To 50 Tons, Deduct	-1,081.48	
For >50 Tons, Deduct	-1,544.97	
05 12 23 00-0027 TON >100 To 365 LB/LF Structural WT, MT, ST Tee Shapes .....	4,909.88	238.00
For ASTM A242 Type 2 High Strength Steel, Add	372.44	
For Hot Dip Galvanizing, Add	1,303.54	
For >10 To 25 Tons, Deduct	-395.72	
For >25 To 50 Tons, Deduct	-814.71	
For >50 Tons, Deduct	-1,163.88	
<b>05 12 23 00-0028 Combination Section Shapes (05 12 23 00-0001)</b>		
<b>05 12 23 00-0029 Combination Section, W Shapes And Angles (05 12 23 00-0028)</b>		
05 12 23 00-0030 TON Up To 30 LB/LF Combination Section - W Shapes And Angles .....	11,792.98	1,341.45
For ASTM A242 Type 2 High Strength Steel, Add	739.94	
For Hot Dip Galvanizing, Add	2,589.77	
For >10 To 25 Tons, Deduct	-786.18	
For >25 To 50 Tons, Deduct	-1,618.61	
For >50 Tons, Deduct	-2,312.30	
05 12 23 00-0031 TON >30-65 LB/LF Combination Section - W Shapes And Angles .....	8,469.78	794.86
For ASTM A242 Type 2 High Strength Steel, Add	609.75	
For Hot Dip Galvanizing, Add	2,134.12	
For >10 To 25 Tons, Deduct	-647.86	
For >25 To 50 Tons, Deduct	-1,333.82	
For >50 Tons, Deduct	-1,905.46	
05 12 23 00-0032 TON >65-100 LB/LF Combination Section - W Shapes And Angles .....	6,141.83	447.15
For ASTM A242 Type 2 High Strength Steel, Add	453.19	
For Hot Dip Galvanizing, Add	1,586.16	
For >10 To 25 Tons, Deduct	-481.51	
For >25 To 50 Tons, Deduct	-991.35	
For >50 Tons, Deduct	-1,416.22	
05 12 23 00-0033 TON >100-300 LB/LF Combination Section - W Shapes And Angles .....	5,321.47	238.00
For ASTM A242 Type 2 High Strength Steel, Add	405.40	
For Hot Dip Galvanizing, Add	1,418.90	
For >10 To 25 Tons, Deduct	-430.74	
For >25 To 50 Tons, Deduct	-886.81	
For >50 Tons, Deduct	-1,266.87	
05 12 23 00-0034 TON >300-500 LB/LF Combination Section - W Shapes And Angles .....	4,597.30	119.48
For ASTM A242 Type 2 High Strength Steel, Add	357.61	
For Hot Dip Galvanizing, Add	1,251.63	
For >10 To 25 Tons, Deduct	-379.96	
For >25 To 50 Tons, Deduct	-782.27	
For >50 Tons, Deduct	-1,117.53	
<b>05 12 23 00-0035 Combination Section, S Shapes And Angles (05 12 23 00-0028)</b>		
05 12 23 00-0036 TON >30-65 LB/LF Combination Section - S Shapes And Angles .....	8,140.17	794.86
For ASTM A242 Type 2 High Strength Steel, Add	583.38	
For Hot Dip Galvanizing, Add	2,041.83	
For >10 To 25 Tons, Deduct	-619.84	
For >25 To 50 Tons, Deduct	-1,276.14	
For >50 Tons, Deduct	-1,823.06	
05 12 23 00-0037 TON >65-100 LB/LF Combination Section - S Shapes And Angles .....	6,162.43	447.15
For ASTM A242 Type 2 High Strength Steel, Add	454.84	
For Hot Dip Galvanizing, Add	1,591.93	
For >10 To 25 Tons, Deduct	-483.26	
For >25 To 50 Tons, Deduct	-994.96	
For >50 Tons, Deduct	-1,421.37	
<b>05 12 23 00-0038 Combination Section, Channels And Angles (05 12 23 00-0028)</b>		
05 12 23 00-0039 TON Up To 30 LB/LF Combination Section - Channels And Angles .....	12,431.57	1,341.45
For ASTM A242 Type 2 High Strength Steel, Add	791.02	
For Hot Dip Galvanizing, Add	2,768.58	
For >10 To 25 Tons, Deduct	-840.46	
For >25 To 50 Tons, Deduct	-1,730.36	
For >50 Tons, Deduct	-2,471.95	
05 12 23 00-0040 TON >30-65 LB/LF Combination Section - Channels And Angles .....	8,881.75	794.86
For ASTM A242 Type 2 High Strength Steel, Add	642.71	
For Hot Dip Galvanizing, Add	2,249.47	
For >10 To 25 Tons, Deduct	-682.87	
For >25 To 50 Tons, Deduct	-1,405.92	
For >50 Tons, Deduct	-2,008.46	
05 12 23 00-0041 TON >65-100 LB/LF Combination Section - Channels And Angles .....	6,306.63	447.15
For ASTM A242 Type 2 High Strength Steel, Add	466.37	
For Hot Dip Galvanizing, Add	1,632.31	
For >10 To 25 Tons, Deduct	-495.52	
For >25 To 50 Tons, Deduct	-1,020.19	
For >50 Tons, Deduct	-1,457.42	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	<b>05 12 23 00-0042</b>	<b>Standard Weight Pipe</b> <small>(05 12 23 00-0001)</small>		
	05 12 23 00-0043	TON 1/2" To 5" Diameter Standard Weight Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	7,190.20 514.16 1,799.58 -546.30 -1,124.74 -1,606.77	715.44
	05 12 23 00-0044	TON >5" To 12" Diameter Standard Weight Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	7,669.38 537.24 1,880.33 -570.81 -1,175.20 -1,678.86	894.31
	<b>05 12 23 00-0045</b>	<b>Structural Steel Shapes</b> <small>(05 12 23)</small> Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0117 for field fabrication of additional structural metal connections.		
	<b>05 12 23 00-0046</b>	<b>Steel Rods</b> <small>(05 12 23 00-0045)</small>		
	05 12 23 00-0047	TON 1/2" To 5" Diameter Extra Strong Steel, Solid..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	7,764.83 573.49 2,007.22 -609.33 -1,254.51 -1,792.16	558.99
	05 12 23 00-0048	TON >5" To 12" Diameter Extra Strong Steel, Solid..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	8,881.75 642.71 2,249.47 -682.87 -1,405.92 -2,008.46	794.86
	<b>05 12 23 00-0049</b>	<b>Column Base Plates</b> <small>(05 12 23 00-0045)</small>		
	05 12 23 00-0050	LB Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3.86 0.25 0.87	0.73
	05 12 23 00-0051	LB Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3.63 0.24 0.82	0.62
	05 12 23 00-0052	TON Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	7,062.04 509.78 1,784.22 -541.64 -1,115.14 -1,593.05	646.71
	05 12 23 00-0053	TON Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	5,022.84 368.72 1,290.50 -391.76 -806.56 -1,152.24	388.02
	<b>05 12 23 00-0054</b>	<b>Double Extra Strong Pipes</b> <small>(05 12 23 00-0045)</small>		
	05 12 23 00-0055	TON 2" To 5" Diameter Double Extra Strong Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	9,288.81 655.89 2,295.61 -696.88 -1,434.76 -2,049.66	1,022.00
	05 12 23 00-0056	TON >5" To 8" Diameter Double Extra Strong Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	8,785.65 655.89 2,295.61 -696.88 -1,434.76 -2,049.66	550.29
	<b>05 12 23 00-0057</b>	<b>Structural Pipes</b> <small>(05 12 23 00-0045)</small>		
	05 12 23 00-0058	TON 3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	6,494.39 461.43 1,615.00 -490.27 -1,009.38 -1,441.97	472.19

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0059	TON >5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	6,969.28 461.43 1,615.00 -490.27 -1,009.38 -1,441.97	544.57
05 12 23 00-0060	<b>Structural Tubing</b> <small>(05 12 23 00-0045)</small>		
05 12 23 00-0061	<b>Rectangle Structural Tubing</b> <small>(05 12 23 00-0060)</small>		
05 12 23 00-0062	TON 3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,808.52 823.98 2,883.94 -875.48 -1,802.46 -2,574.94	476.96
05 12 23 00-0063	TON 4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,886.80 823.98 2,883.94 -875.48 -1,802.46 -2,574.94	550.29
05 12 23 00-0064	TON 5" x 4", 3", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	9,493.75 708.62 2,480.18 -752.91 -1,550.12 -2,214.45	596.20
05 12 23 00-0065	TON 6" x 4", 3", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	9,002.96 659.19 2,307.15 -700.38 -1,441.97 -2,059.96	715.44
05 12 23 00-0066	TON 7" x 5", 4", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	8,846.87 639.92 2,239.70 -679.91 -1,399.81 -1,999.74	794.86
05 12 23 00-0067	TON 8" x 6", 4", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	8,983.71 624.83 2,186.91 -663.88 -1,366.82 -1,952.60	1,099.99
05 12 23 00-0068	TON 10" x 6", 4", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	9,337.72 622.93 2,180.26 -661.86 -1,362.66 -1,946.66	1,454.13
05 12 23 00-0069	TON 12" x 6", 4", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	9,563.37 629.52 2,203.33 -668.87 -1,377.08 -1,967.26	1,588.40
05 12 23 00-0070	TON 14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	9,776.86 629.52 2,203.33 -668.87 -1,377.08 -1,967.26	1,788.60
05 12 23 00-0071	TON 16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,330.42 622.93 2,180.26 -661.86 -1,362.66 -1,946.66	2,384.80
05 12 23 00-0072	TON 18" x 6", 4" Weight Range 48-76 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	11,588.71 606.45 2,122.58 -644.35 -1,326.61 -1,895.16	3,757.61
05 12 23 00-0073	TON 20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	13,090.68 579.07 2,026.75 -615.26 -1,266.72 -1,809.60	5,486.60
05 12 23 00-0074	<b>Square Structural Tubing</b> <small>(05 12 23 00-0060)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0075	TON	2" x 2"		Weight Range 4-6 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,776.73 823.98 2,883.94 -875.48 -1,802.46 -2,574.94	447.15
05 12 23 00-0076	TON	2.5" x 2.5"		Weight Range 5-8 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,808.52 823.98 2,883.94 -875.48 -1,802.46 -2,574.94	476.96
05 12 23 00-0077	TON	3" x 3"		Weight Range 6-11 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	9,699.75 725.10 2,537.86 -770.42 -1,586.17 -2,265.95	596.20
05 12 23 00-0078	TON	3.5" x 3.5"		Weight Range 8-13 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	9,620.94 708.62 2,480.18 -752.91 -1,550.12 -2,214.45	715.44
05 12 23 00-0079	TON	4" x 4"		Weight Range 10-22 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	7,710.58 540.53 1,891.86 -574.32 -1,182.41 -1,689.16	894.31
05 12 23 00-0080	TON	5" x 5"		Weight Range 12-30 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	7,846.84 540.53 1,891.86 -574.32 -1,182.41 -1,689.16	1,022.00
05 12 23 00-0081	TON	6" x 6"		Weight Range 15-35 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	8,282.92 540.53 1,891.86 -574.32 -1,182.41 -1,689.16	1,430.88
05 12 23 00-0082	TON	7" x 7"		Weight Range 17-42 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	8,788.09 550.42 1,926.47 -584.82 -1,204.04 -1,720.06	1,788.60
05 12 23 00-0083	TON	8" x 8"		Weight Range 20-60 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,536.41 639.41 2,237.93 -679.37 -1,398.71 -1,998.16	2,384.80
05 12 23 00-0084	TON	10" x 10"		Weight Range 33-77 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	11,808.30 639.41 2,237.93 -679.37 -1,398.71 -1,998.16	3,577.20
05 12 23 00-0085	TON	12" x 12"		Weight Range 40-80 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	11,358.75 550.42 1,926.47 -584.82 -1,204.04 -1,720.06	4,198.57
05 12 23 00-0086	TON	14" x 14"		Weight Range 57-90 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	13,680.10 626.23 2,191.79 -665.36 -1,369.87 -1,956.96	5,486.60
05 12 23 00-0087	TON	16" x 16"		Weight Range 65-105 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	15,623.98 639.41 2,237.93 -679.37 -1,398.71 -1,998.16	7,154.41

05 12 23 00-0088      Structural Shapes (05 12 23 00-0045)

05	05	Metals
	05 10	Structural Metal Framing
	05 12	Structural Steel Framing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0089 TON Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF).....	8,253.43	2,586.86
For ASTM A242 Type 2 High Strength Steel, Add	331.79	
For Hot Dip Galvanizing, Add	1,161.25	
For >20 To 50 LB/LF, Deduct	-1,030.65	
For >50 To 75 LB/LF, Deduct	-1,648.63	
For >75 To 100 LB/LF, Deduct	-2,266.60	
For >10 To 25 Tons, Deduct	-352.52	
For >25 To 50 Tons, Deduct	-725.78	
For >50 Tons, Deduct	-1,036.83	
05 12 23 00-0090 TON Structural Shapes, Steel Plate A36 Structural Steel .....	7,967.98	1,034.74
Note: Up to 21.5 LB per SF		
For ASTM A242 Type 2 High Strength Steel, Add	527.36	
For Hot Dip Galvanizing, Add	1,845.76	
For >21.5 To 50 LB/LF, Deduct	-865.60	
For >10 To 25 Tons, Deduct	-560.32	
For >25 To 50 Tons, Deduct	-1,153.60	
For >50 Tons, Deduct	-1,648.00	
05 12 23 00-0091 LB Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF).....	4.65	0.23
05 12 23 00-0092 LB Structural Shapes, Galvanized Pipe Supports.....	5.68	0.23
<b>05 12 23 00-0093 Built-Up Trusses</b> (05 12 23 00-0045)		
05 12 23 00-0094 TON Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up.....	8,765.58	357.72
For >10 To 25 Tons, Deduct	-712.64	
For >25 To 50 Tons, Deduct	-1,467.20	
For >50 Tons, Deduct	-2,096.00	
05 12 23 00-0095 TON >50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up .....	8,678.39	198.65
For >10 To 25 Tons, Deduct	-719.64	
For >25 To 50 Tons, Deduct	-1,481.62	
For >50 Tons, Deduct	-2,116.60	
05 12 23 00-0096 TON >100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up .....	7,734.05	105.17
For >10 To 25 Tons, Deduct	-647.86	
For >25 To 50 Tons, Deduct	-1,333.82	
For >50 Tons, Deduct	-1,905.46	
05 12 23 00-0097 TON >200 LF Span Average Weight 180 LB/LF Trusses, Built-up.....	7,521.82	99.45
For >10 To 25 Tons, Deduct	-630.35	
For >25 To 50 Tons, Deduct	-1,297.77	
For >50 Tons, Deduct	-1,853.96	
<b>05 12 23 00-0098 Masonry Plates, Filler Plates, Sole Plates And Anchor Straps</b> (05 12 23 00-0045)		
Note: Includes shop fabrication, welds, drilling and shop primer.		
05 12 23 00-0099 SF 1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	28.83	7.45
05 12 23 00-0100 SF 3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	43.24	11.14
05 12 23 00-0101 SF 1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	57.65	14.86
05 12 23 00-0102 SF 5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	72.06	18.56
05 12 23 00-0103 SF 3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	86.48	22.17
05 12 23 00-0104 SF 7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	100.89	25.99
05 12 23 00-0105 SF 1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	115.31	29.71
05 12 23 00-0106 SF 1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	129.72	33.42
05 12 23 00-0107 SF 1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	144.13	37.14
05 12 23 00-0108 SF 1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	158.54	40.85
05 12 23 00-0109 SF 1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	172.96	44.56
05 12 23 00-0110 SF 1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	187.37	48.28
05 12 23 00-0111 SF 1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	201.80	51.98
05 12 23 00-0112 SF 1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	216.21	55.70
05 12 23 00-0113 SF 2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	230.63	59.41
<b>05 12 23 00-0114 Accessories For Steel</b> (05 12 23)		
<b>05 12 23 00-0115 Field Painting For Touch-Up Of Shop Prime Coat</b> (05 12 23 00-0114)		
05 12 23 00-0116 SF Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat.....	1.14	
<b>05 12 23 00-0117 Connection And Stiffener Plates</b> (05 12 23 00-0114)		
Note: For field fabrication of additional structural metal connections.		
05 12 23 00-0118 TON 1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates.....	19,030.43	
For >10 To 25 Tons, Deduct	-1,617.59	
For >25 To 50 Tons, Deduct	-3,330.33	
For >50 Tons, Deduct	-4,757.61	
05 12 23 00-0119 TON 3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates.....	16,236.68	
For >10 To 25 Tons, Deduct	-1,380.12	
For >25 To 50 Tons, Deduct	-2,841.42	
For >50 Tons, Deduct	-4,059.17	
05 12 23 00-0120 TON 1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates.....	12,556.16	
For >10 To 25 Tons, Deduct	-1,067.27	
For >25 To 50 Tons, Deduct	-2,197.33	
For >50 Tons, Deduct	-3,139.04	
05 12 23 00-0121 TON 5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates.....	12,556.16	
For >10 To 25 Tons, Deduct	-1,067.27	
For >25 To 50 Tons, Deduct	-2,197.33	
For >50 Tons, Deduct	-3,139.04	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0122	TON		3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates..... <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	12,556.16 -1,067.27 -2,197.33 -3,139.04	
	05 12 23 00-0123	TON		1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates..... <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	12,556.16 -1,067.27 -2,197.33 -3,139.04	
	05 12 23 00-0124	TON		9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates..... <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	12,556.16 -1,067.27 -2,197.33 -3,139.04	
	05 12 23 00-0125	TON		5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates..... <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	12,556.16 -1,067.27 -2,197.33 -3,139.04	
	05 12 23 00-0126	TON		3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates..... <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	11,771.40 -1,000.57 -2,060.00 -2,942.85	
	05 12 23 00-0127	TON		7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates..... <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	11,771.40 -1,000.57 -2,060.00 -2,942.85	
	05 12 23 00-0128	TON		1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates..... <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	11,771.40 -1,000.57 -2,060.00 -2,942.85	
	05 12 23 00-0129			<b>Field Applied Cold Galvanizing</b> <small>(05 12 23 00-0114)</small>		
	05 12 23 00-0130	SF		Brush Applied Cold Galvanizing .....	1.68	
	05 12 23 00-0131			<b>Metal Grinding</b> <small>(05 12 23 00-0114)</small> Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
	05 12 23 00-0132	SI		Metal Grinding Up To 1/32" Thickness To Be Removed..... Note: Includes rust or scale removal on metal and smoothing surface.	0.99	
	05 12 23 00-0133			<b>Structural Steel For Buildings And Structures</b> <small>(05 12 23)</small> Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.		
	05 12 23 00-0134			<b>First Tier A992/A36 Structural Steel Columns, W Shapes</b> <small>(05 12 23 00-0133)</small> Note: With base plate. Includes material delivery and erection.		
	05 12 23 00-0135	LF		W14 x 730 A992/A36 Structural Column .....	1,635.66	71.75
				<i>For Hot Dip Galvanizing, Add</i>	432.67	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	147.21	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	327.13	
	05 12 23 00-0136	LF		W14 x 665 A992/A36 Structural Column .....	1,491.64	66.88
				<i>For Hot Dip Galvanizing, Add</i>	394.15	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	134.25	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	298.33	
	05 12 23 00-0137	LF		W14 x 605 A992/A36 Structural Column .....	1,358.57	62.25
				<i>For Hot Dip Galvanizing, Add</i>	358.59	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	122.27	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	271.71	
	05 12 23 00-0138	LF		W14 x 550 A992/A36 Structural Column .....	1,236.46	57.90
				<i>For Hot Dip Galvanizing, Add</i>	325.99	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	111.28	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	247.29	
	05 12 23 00-0139	LF		W14 x 500 A992/A36 Structural Column .....	1,134.09	62.01
				<i>For Hot Dip Galvanizing, Add</i>	296.35	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	102.07	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	226.82	
	05 12 23 00-0140	LF		W14 x 426 A992/A36 Structural Column .....	967.57	54.14
				<i>For Hot Dip Galvanizing, Add</i>	252.49	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	87.08	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	193.51	
	05 12 23 00-0141	LF		W14 x 342 A992/A36 Structural Column .....	782.21	46.86
				<i>For Hot Dip Galvanizing, Add</i>	203.21	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	70.40	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	156.44	
	05 12 23 00-0142	LF		W14 x 311 A992/A36 Structural Column .....	704.41	43.76
				<i>For Hot Dip Galvanizing, Add</i>	182.52	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	63.40	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	140.88	
	05 12 23 00-0143	LF		W14 x 283 A992/A36 Structural Column .....	639.29	41.26
				<i>For Hot Dip Galvanizing, Add</i>	165.21	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	57.54	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	127.86	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0144	LF W14 x 257 A992/A36 Structural Column .....	561.74	39.11
	For Hot Dip Galvanizing, Add	144.32	
	For High Strength Low Alloy A572-50 Steel, Add	50.56	
	For High Strength Low Alloy A588 Grade B Steel, Add	112.35	
05 12 23 00-0145	LF W14 x 233 A992/A36 Structural Column .....	516.94	36.36
	For Hot Dip Galvanizing, Add	132.69	
	For High Strength Low Alloy A572-50 Steel, Add	46.52	
	For High Strength Low Alloy A588 Grade B Steel, Add	103.39	
05 12 23 00-0146	LF W14 x 211 A992/A36 Structural Column .....	459.71	33.87
	For Hot Dip Galvanizing, Add	117.54	
	For High Strength Low Alloy A572-50 Steel, Add	41.37	
	For High Strength Low Alloy A588 Grade B Steel, Add	91.94	
05 12 23 00-0147	LF W14 x 193 A992/A36 Structural Column .....	415.69	32.19
	For Hot Dip Galvanizing, Add	105.82	
	For High Strength Low Alloy A572-50 Steel, Add	37.41	
	For High Strength Low Alloy A588 Grade B Steel, Add	83.14	
05 12 23 00-0148	LF W14 x 176 A992/A36 Structural Column .....	374.56	30.77
	For Hot Dip Galvanizing, Add	94.84	
	For High Strength Low Alloy A572-50 Steel, Add	33.71	
	For High Strength Low Alloy A588 Grade B Steel, Add	74.91	
05 12 23 00-0149	LF W14 x 159 A992/A36 Structural Column .....	338.55	29.69
	For Hot Dip Galvanizing, Add	85.18	
	For High Strength Low Alloy A572-50 Steel, Add	30.47	
	For High Strength Low Alloy A588 Grade B Steel, Add	67.71	
05 12 23 00-0150	LF W14 x 145 A992/A36 Structural Column .....	327.17	28.74
	For Hot Dip Galvanizing, Add	82.28	
	For High Strength Low Alloy A572-50 Steel, Add	29.45	
	For High Strength Low Alloy A588 Grade B Steel, Add	65.43	
05 12 23 00-0151	LF W14 x 132 A992/A36 Structural Column .....	279.62	27.43
	For Hot Dip Galvanizing, Add	69.49	
	For High Strength Low Alloy A572-50 Steel, Add	25.17	
	For High Strength Low Alloy A588 Grade B Steel, Add	55.92	
05 12 23 00-0152	LF W14 x 120 A992/A36 Structural Column .....	262.11	26.71
	For Hot Dip Galvanizing, Add	64.83	
	For High Strength Low Alloy A572-50 Steel, Add	23.59	
	For High Strength Low Alloy A588 Grade B Steel, Add	52.42	
05 12 23 00-0153	LF W14 x 109 A992/A36 Structural Column .....	234.58	25.63
	For Hot Dip Galvanizing, Add	57.52	
	For High Strength Low Alloy A572-50 Steel, Add	21.11	
	For High Strength Low Alloy A588 Grade B Steel, Add	46.92	
05 12 23 00-0154	LF W14 x 99 A992/A36 Structural Column .....	213.97	24.92
	For Hot Dip Galvanizing, Add	52.03	
	For High Strength Low Alloy A572-50 Steel, Add	19.26	
	For High Strength Low Alloy A588 Grade B Steel, Add	42.79	
05 12 23 00-0155	LF W14 x 90 A992/A36 Structural Column .....	198.70	24.33
	For Hot Dip Galvanizing, Add	47.96	
	For High Strength Low Alloy A572-50 Steel, Add	17.88	
	For High Strength Low Alloy A588 Grade B Steel, Add	39.74	
05 12 23 00-0156	LF W14 x 82 A992/A36 Structural Column .....	182.96	23.61
	For Hot Dip Galvanizing, Add	43.79	
	For High Strength Low Alloy A572-50 Steel, Add	16.47	
	For High Strength Low Alloy A588 Grade B Steel, Add	36.59	
05 12 23 00-0157	LF W14 x 74 A992/A36 Structural Column .....	165.11	23.01
	For Hot Dip Galvanizing, Add	39.03	
	For High Strength Low Alloy A572-50 Steel, Add	14.86	
	For High Strength Low Alloy A588 Grade B Steel, Add	33.02	
05 12 23 00-0158	LF W14 x 68 A992/A36 Structural Column .....	154.14	22.66
	For Hot Dip Galvanizing, Add	36.09	
	For High Strength Low Alloy A572-50 Steel, Add	13.87	
	For High Strength Low Alloy A588 Grade B Steel, Add	30.83	
05 12 23 00-0159	LF W14 x 61 A992/A36 Structural Column .....	140.47	22.05
	For Hot Dip Galvanizing, Add	32.46	
	For High Strength Low Alloy A572-50 Steel, Add	12.64	
	For High Strength Low Alloy A588 Grade B Steel, Add	28.09	
05 12 23 00-0160	LF W14 x 53 A992/A36 Structural Column .....	127.87	21.46
	For Hot Dip Galvanizing, Add	29.13	
	For High Strength Low Alloy A572-50 Steel, Add	11.51	
	For High Strength Low Alloy A588 Grade B Steel, Add	25.57	
05 12 23 00-0161	LF W14 x 48 A992/A36 Structural Column .....	119.72	21.11
	For Hot Dip Galvanizing, Add	26.97	
	For High Strength Low Alloy A572-50 Steel, Add	10.77	
	For High Strength Low Alloy A588 Grade B Steel, Add	23.94	
05 12 23 00-0162	LF W14 x 43 A992/A36 Structural Column .....	107.94	20.75
	For Hot Dip Galvanizing, Add	23.83	
	For High Strength Low Alloy A572-50 Steel, Add	9.71	
	For High Strength Low Alloy A588 Grade B Steel, Add	21.59	
05 12 23 00-0163	LF W12 x 336 A992/A36 Structural Column .....	745.94	31.95
	For Hot Dip Galvanizing, Add	197.55	
	For High Strength Low Alloy A572-50 Steel, Add	67.13	
	For High Strength Low Alloy A588 Grade B Steel, Add	149.19	
05 12 23 00-0164	LF W12 x 305 A992/A36 Structural Column .....	679.59	31.32
	For Hot Dip Galvanizing, Add	179.32	
	For High Strength Low Alloy A572-50 Steel, Add	61.16	
	For High Strength Low Alloy A588 Grade B Steel, Add	135.92	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0165	LF			W12 x 279 A992/A36 Structural Column .....	624.09	30.94
				<i>For Hot Dip Galvanizing, Add</i>	164.03	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	56.17	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	124.82	
05 12 23 00-0166	LF			W12 x 252 A992/A36 Structural Column .....	566.07	30.17
				<i>For Hot Dip Galvanizing, Add</i>	148.16	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	50.95	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	113.21	
05 12 23 00-0167	LF			W12 x 230 A992/A36 Structural Column .....	519.00	29.73
				<i>For Hot Dip Galvanizing, Add</i>	135.23	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	46.71	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	103.80	
05 12 23 00-0168	LF			W12 x 210 A992/A36 Structural Column .....	476.17	29.32
				<i>For Hot Dip Galvanizing, Add</i>	123.47	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	42.86	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	95.23	
05 12 23 00-0169	LF			W12 x 190 A992/A36 Structural Column .....	437.73	32.91
				<i>For Hot Dip Galvanizing, Add</i>	111.71	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	39.40	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	87.55	
05 12 23 00-0170	LF			W12 x 170 A992/A36 Structural Column .....	395.43	31.96
				<i>For Hot Dip Galvanizing, Add</i>	100.30	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	35.59	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	79.09	
05 12 23 00-0171	LF			W12 x 152 A992/A36 Structural Column .....	356.40	29.69
				<i>For Hot Dip Galvanizing, Add</i>	90.13	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	32.08	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	71.28	
05 12 23 00-0172	LF			W12 x 136 A992/A36 Structural Column .....	338.78	28.85
				<i>For Hot Dip Galvanizing, Add</i>	85.47	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	30.49	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	67.76	
05 12 23 00-0173	LF			W12 x 120 A992/A36 Structural Column .....	256.16	26.47
				<i>For Hot Dip Galvanizing, Add</i>	63.21	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	23.05	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	51.23	
05 12 23 00-0174	LF			W12 x 106 A992/A36 Structural Column .....	236.00	25.63
				<i>For Hot Dip Galvanizing, Add</i>	57.91	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	21.24	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	47.20	
05 12 23 00-0175	LF			W12 x 96 A992/A36 Structural Column .....	211.02	24.81
				<i>For Hot Dip Galvanizing, Add</i>	51.24	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	18.99	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	42.20	
05 12 23 00-0176	LF			W12 x 87 A992/A36 Structural Column .....	194.58	23.97
				<i>For Hot Dip Galvanizing, Add</i>	46.88	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.51	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	38.92	
05 12 23 00-0177	LF			W12 x 79 A992/A36 Structural Column .....	170.60	23.25
				<i>For Hot Dip Galvanizing, Add</i>	40.46	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.35	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	34.12	
05 12 23 00-0178	LF			W12 x 72 A992/A36 Structural Column .....	156.04	22.66
				<i>For Hot Dip Galvanizing, Add</i>	36.58	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.04	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	31.21	
05 12 23 00-0179	LF			W12 x 65 A992/A36 Structural Column .....	142.54	22.18
				<i>For Hot Dip Galvanizing, Add</i>	33.00	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.83	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.51	
05 12 23 00-0180	LF			W12 x 58 A992/A36 Structural Column .....	137.88	21.94
				<i>For Hot Dip Galvanizing, Add</i>	31.78	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.41	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	27.58	
05 12 23 00-0181	LF			W12 x 53 A992/A36 Structural Column .....	127.86	21.46
				<i>For Hot Dip Galvanizing, Add</i>	29.13	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.51	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	25.57	
05 12 23 00-0182	LF			W12 x 50 A992/A36 Structural Column .....	123.86	21.34
				<i>For Hot Dip Galvanizing, Add</i>	28.05	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.15	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	24.77	
05 12 23 00-0183	LF			W12 x 45 A992/A36 Structural Column .....	112.42	20.86
				<i>For Hot Dip Galvanizing, Add</i>	25.01	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.12	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	22.48	
05 12 23 00-0184	LF			W12 x 40 A992/A36 Structural Column .....	100.63	20.39
				<i>For Hot Dip Galvanizing, Add</i>	21.87	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.06	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	20.13	
05 12 23 00-0185	LF			W10 x 112 A992/A36 Structural Column .....	246.90	26.11
				<i>For Hot Dip Galvanizing, Add</i>	60.81	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	22.22	
				<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	49.38	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0186	LF	W10 x 110 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	223.21 54.53 20.09 44.64	25.04
05 12 23 00-0187	LF	W10 x 88 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	200.52 48.50 18.05 40.10	24.20
05 12 23 00-0188	LF	W10 x 77 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	178.20 42.57 16.04 35.64	23.25
05 12 23 00-0189	LF	W10 x 68 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	160.32 37.81 14.43 32.06	22.66
05 12 23 00-0190	LF	W10 x 60 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	140.47 32.46 12.64 28.09	22.05
05 12 23 00-0191	LF	W10 x 54 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	139.54 32.27 12.56 27.91	21.70
05 12 23 00-0192	LF	W10 x 49 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	122.33 27.66 11.01 24.47	21.34
05 12 23 00-0193	LF	W10 x 45 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	118.02 26.53 10.62 23.60	20.98
05 12 23 00-0194	LF	W10 x 39 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	102.52 22.36 9.23 20.50	20.63
05 12 23 00-0195	LF	W10 x 33 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	89.20 18.83 8.03 17.84	20.04
05 12 23 00-0196	LF	W8 x 67 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	154.32 36.14 13.89 30.86	22.66
05 12 23 00-0197	LF	W8 x 58 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	138.41 31.92 12.46 27.68	21.94
05 12 23 00-0198	LF	W8 x 48 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	123.74 28.05 11.14 24.75	21.34
05 12 23 00-0199	LF	W8 x 40 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	106.00 23.29 9.54 21.20	20.75
05 12 23 00-0200	LF	W8 x 35 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	95.63 20.55 8.61 19.13	20.27
05 12 23 00-0201	LF	W8 x 31 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	87.25 18.29 7.85 17.45	20.04
05 12 23 00-0202	LF	W8 x 28 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	82.08 16.92 7.39 16.42	19.79
05 12 23 00-0203	LF	W8 x 24 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	75.83 15.25 6.82 15.17	19.56
05 12 23 00-0204	LF	W8 x 21 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	71.70 14.17 6.45 14.34	19.44
05 12 23 00-0205	LF	W8 x 18 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	63.86 12.06 5.75 12.77	19.08
05 12 23 00-0206	LF	W6 x 25 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	79.71 16.33 7.17 15.94	19.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0207 LF W6 x 20 A992/A36 Structural Column .....	67.16	19.20
For Hot Dip Galvanizing, Add	12.95	
For High Strength Low Alloy A572-50 Steel, Add	6.04	
For High Strength Low Alloy A588 Grade B Steel, Add	13.43	
05 12 23 00-0208 LF W6 x 15 A992/A36 Structural Column .....	57.37	18.60
For Hot Dip Galvanizing, Add	10.40	
For High Strength Low Alloy A572-50 Steel, Add	5.16	
For High Strength Low Alloy A588 Grade B Steel, Add	11.47	
05 12 23 00-0209 LF W6 x 12 A992/A36 Structural Column .....	53.66	18.60
For Hot Dip Galvanizing, Add	9.37	
For High Strength Low Alloy A572-50 Steel, Add	4.83	
For High Strength Low Alloy A588 Grade B Steel, Add	10.73	
05 12 23 00-0210 LF W6 x 9 A992/A36 Structural Column .....	48.95	18.48
For Hot Dip Galvanizing, Add	8.09	
For High Strength Low Alloy A572-50 Steel, Add	4.41	
For High Strength Low Alloy A588 Grade B Steel, Add	9.79	
05 12 23 00-0211 LF W5 x 19 A992/A36 Structural Column .....	66.10	19.20
For Hot Dip Galvanizing, Add	12.65	
For High Strength Low Alloy A572-50 Steel, Add	5.95	
For High Strength Low Alloy A588 Grade B Steel, Add	13.22	
05 12 23 00-0212 LF W5 x 16 A992/A36 Structural Column .....	60.74	19.08
For Hot Dip Galvanizing, Add	11.23	
For High Strength Low Alloy A572-50 Steel, Add	5.47	
For High Strength Low Alloy A588 Grade B Steel, Add	12.15	
05 12 23 00-0213 LF W4 x 13 A992/A36 Structural Column .....	56.80	18.84
For Hot Dip Galvanizing, Add	10.20	
For High Strength Low Alloy A572-50 Steel, Add	5.11	
For High Strength Low Alloy A588 Grade B Steel, Add	11.36	
<b>05 12 23 00-0214 A992/A36 Structural Steel Beams And Girders, W Shapes</b> (05 12 23 00-0133)		
Note: Includes material delivery and erection.		
05 12 23 00-0215 LF W36 x 300 A992/A36 Structural Beam Or Girder .....	585.55	78.58
For Hot Dip Galvanizing, Add	139.23	
For High Strength Low Alloy A572-50 Steel, Add	52.70	
For High Strength Low Alloy A588 Steel, Add	117.11	
For Each Additional Top Copes >2, Add	5.02	
For Structural Tees, WT, MT Or ST, Deduct	-192.37	
For Skewed Or Sloped Connections, Add	70.27	
05 12 23 00-0216 LF W36 x 280 A992/A36 Structural Beam Or Girder .....	563.68	89.43
For Hot Dip Galvanizing, Add	129.95	
For High Strength Low Alloy A572-50 Steel, Add	50.73	
For High Strength Low Alloy A588 Steel, Add	112.74	
For Each Additional Top Copes >2, Add	4.68	
For Structural Tees, WT, MT Or ST, Deduct	-182.98	
For Skewed Or Sloped Connections, Add	67.64	
05 12 23 00-0217 LF W36 x 260 A992/A36 Structural Beam Or Girder .....	533.38	88.36
For Hot Dip Galvanizing, Add	121.87	
For High Strength Low Alloy A572-50 Steel, Add	48.00	
For High Strength Low Alloy A588 Steel, Add	106.68	
For Each Additional Top Copes >2, Add	4.39	
For Structural Tees, WT, MT Or ST, Deduct	-172.55	
For Skewed Or Sloped Connections, Add	64.01	
05 12 23 00-0218 LF W36 x 240 A992/A36 Structural Beam Or Girder .....	497.85	75.73
For Hot Dip Galvanizing, Add	115.74	
For High Strength Low Alloy A572-50 Steel, Add	44.81	
For High Strength Low Alloy A588 Steel, Add	99.57	
For Each Additional Top Copes >2, Add	4.17	
For Structural Tees, WT, MT Or ST, Deduct	-162.13	
For Skewed Or Sloped Connections, Add	59.74	
05 12 23 00-0219 LF W36 x 230 A992/A36 Structural Beam Or Girder .....	481.62	76.81
For Hot Dip Galvanizing, Add	110.92	
For High Strength Low Alloy A572-50 Steel, Add	43.35	
For High Strength Low Alloy A588 Steel, Add	96.32	
For Each Additional Top Copes >2, Add	4.00	
For Structural Tees, WT, MT Or ST, Deduct	-156.28	
For Skewed Or Sloped Connections, Add	57.79	
05 12 23 00-0220 LF W36 x 210 A992/A36 Structural Beam Or Girder .....	456.15	85.50
For Hot Dip Galvanizing, Add	101.27	
For High Strength Low Alloy A572-50 Steel, Add	41.05	
For High Strength Low Alloy A588 Steel, Add	91.23	
For Each Additional Top Copes >2, Add	3.65	
For Structural Tees, WT, MT Or ST, Deduct	-145.97	
For Skewed Or Sloped Connections, Add	54.74	
05 12 23 00-0221 LF W36 x 194 A992/A36 Structural Beam Or Girder .....	430.82	73.46
For Hot Dip Galvanizing, Add	97.81	
For High Strength Low Alloy A572-50 Steel, Add	38.77	
For High Strength Low Alloy A588 Steel, Add	86.16	
For Each Additional Top Copes >2, Add	3.52	
For Structural Tees, WT, MT Or ST, Deduct	-139.03	
For Skewed Or Sloped Connections, Add	51.70	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0222	LF		W36 x 182 A992/A36 Structural Beam Or Girder.....	408.45	72.92
			For Hot Dip Galvanizing, Add	91.76	
			For High Strength Low Alloy A572-50 Steel, Add	36.76	
			For High Strength Low Alloy A588 Steel, Add	81.69	
			For Each Additional Top Copes >2, Add	3.31	
			For Structural Tees, WT, MT Or ST, Deduct	-131.29	
			For Skewed Or Sloped Connections, Add	49.01	
05 12 23 00-0223	LF		W36 x 170 A992/A36 Structural Beam Or Girder.....	385.75	72.08
			For Hot Dip Galvanizing, Add	85.71	
			For High Strength Low Alloy A572-50 Steel, Add	34.72	
			For High Strength Low Alloy A588 Steel, Add	77.15	
			For Each Additional Top Copes >2, Add	3.09	
			For Structural Tees, WT, MT Or ST, Deduct	-123.48	
			For Skewed Or Sloped Connections, Add	46.29	
05 12 23 00-0224	LF		W36 x 160 A992/A36 Structural Beam Or Girder.....	378.94	82.76
			For Hot Dip Galvanizing, Add	80.67	
			For High Strength Low Alloy A572-50 Steel, Add	34.10	
			For High Strength Low Alloy A588 Steel, Add	75.79	
			For Each Additional Top Copes >2, Add	2.91	
			For Structural Tees, WT, MT Or ST, Deduct	-119.39	
			For Skewed Or Sloped Connections, Add	45.47	
05 12 23 00-0225	LF		W36 x 150 A992/A36 Structural Beam Or Girder.....	363.11	82.15
			For Hot Dip Galvanizing, Add	76.44	
			For High Strength Low Alloy A572-50 Steel, Add	32.68	
			For High Strength Low Alloy A588 Steel, Add	72.62	
			For Each Additional Top Copes >2, Add	2.75	
			For Structural Tees, WT, MT Or ST, Deduct	-113.94	
			For Skewed Or Sloped Connections, Add	43.57	
05 12 23 00-0226	LF		W36 x 135 A992/A36 Structural Beam Or Girder.....	340.98	81.44
			For Hot Dip Galvanizing, Add	70.53	
			For High Strength Low Alloy A572-50 Steel, Add	30.69	
			For High Strength Low Alloy A588 Steel, Add	68.20	
			For Each Additional Top Copes >2, Add	2.54	
			For Structural Tees, WT, MT Or ST, Deduct	-106.32	
			For Skewed Or Sloped Connections, Add	40.92	
05 12 23 00-0227	LF		W33 x 241 A992/A36 Structural Beam Or Girder.....	504.02	78.12
			For Hot Dip Galvanizing, Add	116.74	
			For High Strength Low Alloy A572-50 Steel, Add	45.36	
			For High Strength Low Alloy A588 Steel, Add	100.80	
			For Each Additional Top Copes >2, Add	4.21	
			For Structural Tees, WT, MT Or ST, Deduct	-163.91	
			For Skewed Or Sloped Connections, Add	60.48	
05 12 23 00-0228	LF		W33 x 221 A992/A36 Structural Beam Or Girder.....	467.07	76.20
			For Hot Dip Galvanizing, Add	107.06	
			For High Strength Low Alloy A572-50 Steel, Add	42.04	
			For High Strength Low Alloy A588 Steel, Add	93.41	
			For Each Additional Top Copes >2, Add	3.86	
			For Structural Tees, WT, MT Or ST, Deduct	-151.28	
			For Skewed Or Sloped Connections, Add	56.05	
05 12 23 00-0229	LF		W33 x 201 A992/A36 Structural Beam Or Girder.....	441.49	84.90
			For Hot Dip Galvanizing, Add	97.37	
			For High Strength Low Alloy A572-50 Steel, Add	39.73	
			For High Strength Low Alloy A588 Steel, Add	88.30	
			For Each Additional Top Copes >2, Add	3.51	
			For Structural Tees, WT, MT Or ST, Deduct	-140.93	
			For Skewed Or Sloped Connections, Add	52.98	
05 12 23 00-0230	LF		W33 x 170 A992/A36 Structural Beam Or Girder.....	395.95	83.35
			For Hot Dip Galvanizing, Add	85.22	
			For High Strength Low Alloy A572-50 Steel, Add	35.64	
			For High Strength Low Alloy A588 Steel, Add	79.19	
			For Each Additional Top Copes >2, Add	3.07	
			For Structural Tees, WT, MT Or ST, Deduct	-125.26	
			For Skewed Or Sloped Connections, Add	47.51	
05 12 23 00-0231	LF		W33 x 152 A992/A36 Structural Beam Or Girder.....	360.55	71.85
			For Hot Dip Galvanizing, Add	78.78	
			For High Strength Low Alloy A572-50 Steel, Add	32.45	
			For High Strength Low Alloy A588 Steel, Add	72.11	
			For Each Additional Top Copes >2, Add	2.84	
			For Structural Tees, WT, MT Or ST, Deduct	-114.70	
			For Skewed Or Sloped Connections, Add	43.27	
05 12 23 00-0232	LF		W33 x 141 A992/A36 Structural Beam Or Girder.....	350.52	81.67
			For Hot Dip Galvanizing, Add	73.08	
			For High Strength Low Alloy A572-50 Steel, Add	31.55	
			For High Strength Low Alloy A588 Steel, Add	70.10	
			For Each Additional Top Copes >2, Add	2.63	
			For Structural Tees, WT, MT Or ST, Deduct	-109.61	
			For Skewed Or Sloped Connections, Add	42.06	
05 12 23 00-0233	LF		W33 x 130 A992/A36 Structural Beam Or Girder.....	332.62	81.08
			For Hot Dip Galvanizing, Add	68.31	
			For High Strength Low Alloy A572-50 Steel, Add	29.94	
			For High Strength Low Alloy A588 Steel, Add	66.52	
			For Each Additional Top Copes >2, Add	2.46	
			For Structural Tees, WT, MT Or ST, Deduct	-103.45	
			For Skewed Or Sloped Connections, Add	39.91	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0234 LF W33 x 118 A992/A36 Structural Beam Or Girder .....	311.77	80.37
For Hot Dip Galvanizing, Add	62.73	
For High Strength Low Alloy A572-50 Steel, Add	28.06	
For High Strength Low Alloy A588 Steel, Add	62.35	
For Each Additional Top Copes >2, Add	2.26	
For Structural Tees, WT, MT Or ST, Deduct	-96.26	
For Skewed Or Sloped Connections, Add	37.41	
05 12 23 00-0235 LF W30 x 211 A992/A36 Structural Beam Or Girder .....	447.58	76.05
For Hot Dip Galvanizing, Add	101.69	
For High Strength Low Alloy A572-50 Steel, Add	40.28	
For High Strength Low Alloy A588 Steel, Add	89.52	
For Each Additional Top Copes >2, Add	3.66	
For Structural Tees, WT, MT Or ST, Deduct	-144.49	
For Skewed Or Sloped Connections, Add	53.71	
05 12 23 00-0236 LF W30 x 191 A992/A36 Structural Beam Or Girder .....	421.75	84.30
For Hot Dip Galvanizing, Add	92.06	
For High Strength Low Alloy A572-50 Steel, Add	37.96	
For High Strength Low Alloy A588 Steel, Add	84.35	
For Each Additional Top Copes >2, Add	3.32	
For Structural Tees, WT, MT Or ST, Deduct	-134.11	
For Skewed Or Sloped Connections, Add	50.61	
05 12 23 00-0237 LF W30 x 173 A992/A36 Structural Beam Or Girder .....	387.09	72.58
For Hot Dip Galvanizing, Add	85.93	
For High Strength Low Alloy A572-50 Steel, Add	34.84	
For High Strength Low Alloy A588 Steel, Add	77.42	
For Each Additional Top Copes >2, Add	3.10	
For Structural Tees, WT, MT Or ST, Deduct	-123.87	
For Skewed Or Sloped Connections, Add	46.45	
05 12 23 00-0238 LF W30 x 154 A992/A36 Structural Beam Or Girder .....	363.42	82.28
For Hot Dip Galvanizing, Add	76.50	
For High Strength Low Alloy A572-50 Steel, Add	32.71	
For High Strength Low Alloy A588 Steel, Add	72.68	
For Each Additional Top Copes >2, Add	2.76	
For Structural Tees, WT, MT Or ST, Deduct	-114.03	
For Skewed Or Sloped Connections, Add	43.61	
05 12 23 00-0239 LF W30 x 132 A992/A36 Structural Beam Or Girder .....	324.58	70.03
For Hot Dip Galvanizing, Add	69.34	
For High Strength Low Alloy A572-50 Steel, Add	29.21	
For High Strength Low Alloy A588 Steel, Add	64.92	
For Each Additional Top Copes >2, Add	2.50	
For Structural Tees, WT, MT Or ST, Deduct	-102.40	
For Skewed Or Sloped Connections, Add	38.95	
05 12 23 00-0240 LF W30 x 124 A992/A36 Structural Beam Or Girder .....	309.39	69.99
For Hot Dip Galvanizing, Add	65.14	
For High Strength Low Alloy A572-50 Steel, Add	27.85	
For High Strength Low Alloy A588 Steel, Add	61.88	
For Each Additional Top Copes >2, Add	2.35	
For Structural Tees, WT, MT Or ST, Deduct	-97.09	
For Skewed Or Sloped Connections, Add	37.13	
05 12 23 00-0241 LF W30 x 116 A992/A36 Structural Beam Or Girder .....	305.21	80.25
For Hot Dip Galvanizing, Add	60.94	
For High Strength Low Alloy A572-50 Steel, Add	27.47	
For High Strength Low Alloy A588 Steel, Add	61.04	
For Each Additional Top Copes >2, Add	2.20	
For Structural Tees, WT, MT Or ST, Deduct	-93.98	
For Skewed Or Sloped Connections, Add	36.63	
05 12 23 00-0242 LF W30 x 108 A992/A36 Structural Beam Or Girder .....	282.55	72.26
For Hot Dip Galvanizing, Add	57.03	
For High Strength Low Alloy A572-50 Steel, Add	25.43	
For High Strength Low Alloy A588 Steel, Add	56.51	
For Each Additional Top Copes >2, Add	2.06	
For Structural Tees, WT, MT Or ST, Deduct	-87.34	
For Skewed Or Sloped Connections, Add	33.91	
05 12 23 00-0243 LF W30 x 99 A992/A36 Structural Beam Or Girder .....	269.76	71.90
For Hot Dip Galvanizing, Add	53.62	
For High Strength Low Alloy A572-50 Steel, Add	24.28	
For High Strength Low Alloy A588 Steel, Add	53.95	
For Each Additional Top Copes >2, Add	1.93	
For Structural Tees, WT, MT Or ST, Deduct	-82.93	
For Skewed Or Sloped Connections, Add	32.37	
05 12 23 00-0244 LF W27 x 178 A992/A36 Structural Beam Or Girder .....	429.87	84.98
For Hot Dip Galvanizing, Add	94.13	
For High Strength Low Alloy A572-50 Steel, Add	38.69	
For High Strength Low Alloy A588 Steel, Add	85.97	
For Each Additional Top Copes >2, Add	3.39	
For Structural Tees, WT, MT Or ST, Deduct	-136.86	
For Skewed Or Sloped Connections, Add	51.58	
05 12 23 00-0245 LF W27 x 161 A992/A36 Structural Beam Or Girder .....	394.06	81.78
For Hot Dip Galvanizing, Add	85.15	
For High Strength Low Alloy A572-50 Steel, Add	35.47	
For High Strength Low Alloy A588 Steel, Add	78.81	
For Each Additional Top Copes >2, Add	3.07	
For Structural Tees, WT, MT Or ST, Deduct	-124.84	
For Skewed Or Sloped Connections, Add	47.29	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0246	LF		W27 x 146 A992/A36 Structural Beam Or Girder.....	362.38	78.89
			For Hot Dip Galvanizing, Add	77.21	
			For High Strength Low Alloy A572-50 Steel, Add	32.61	
			For High Strength Low Alloy A588 Steel, Add	72.48	
			For Each Additional Top Copes >2, Add	2.78	
			For Structural Tees, WT, MT Or ST, Deduct	-114.21	
			For Skewed Or Sloped Connections, Add	43.49	
05 12 23 00-0247	LF		W27 x 114 A992/A36 Structural Beam Or Girder.....	287.15	65.53
			For Hot Dip Galvanizing, Add	60.29	
			For High Strength Low Alloy A572-50 Steel, Add	25.84	
			For High Strength Low Alloy A588 Steel, Add	57.43	
			For Each Additional Top Copes >2, Add	2.17	
			For Structural Tees, WT, MT Or ST, Deduct	-90.02	
			For Skewed Or Sloped Connections, Add	34.46	
05 12 23 00-0248	LF		W27 x 102 A992/A36 Structural Beam Or Girder.....	271.06	71.90
			For Hot Dip Galvanizing, Add	53.94	
			For High Strength Low Alloy A572-50 Steel, Add	24.40	
			For High Strength Low Alloy A588 Steel, Add	54.21	
			For Each Additional Top Copes >2, Add	1.94	
			For Structural Tees, WT, MT Or ST, Deduct	-83.37	
			For Skewed Or Sloped Connections, Add	32.53	
05 12 23 00-0249	LF		W27 x 94 A992/A36 Structural Beam Or Girder .....	259.05	71.42
			For Hot Dip Galvanizing, Add	50.74	
			For High Strength Low Alloy A572-50 Steel, Add	23.31	
			For High Strength Low Alloy A588 Steel, Add	51.81	
			For Each Additional Top Copes >2, Add	1.83	
			For Structural Tees, WT, MT Or ST, Deduct	-79.24	
			For Skewed Or Sloped Connections, Add	31.09	
05 12 23 00-0250	LF		W27 x 84 A992/A36 Structural Beam Or Girder .....	244.39	70.94
			For Hot Dip Galvanizing, Add	46.84	
			For High Strength Low Alloy A572-50 Steel, Add	22.00	
			For High Strength Low Alloy A588 Steel, Add	48.88	
			For Each Additional Top Copes >2, Add	1.69	
			For Structural Tees, WT, MT Or ST, Deduct	-74.20	
			For Skewed Or Sloped Connections, Add	29.33	
05 12 23 00-0251	LF		W24 x 162 A992/A36 Structural Beam Or Girder.....	379.58	78.40
			For Hot Dip Galvanizing, Add	82.13	
			For High Strength Low Alloy A572-50 Steel, Add	34.16	
			For High Strength Low Alloy A588 Steel, Add	75.92	
			For Each Additional Top Copes >2, Add	2.96	
			For Structural Tees, WT, MT Or ST, Deduct	-120.31	
			For Skewed Or Sloped Connections, Add	45.55	
05 12 23 00-0252	LF		W24 x 146 A992/A36 Structural Beam Or Girder.....	346.90	75.16
			For Hot Dip Galvanizing, Add	74.01	
			For High Strength Low Alloy A572-50 Steel, Add	31.22	
			For High Strength Low Alloy A588 Steel, Add	69.38	
			For Each Additional Top Copes >2, Add	2.67	
			For Structural Tees, WT, MT Or ST, Deduct	-109.39	
			For Skewed Or Sloped Connections, Add	41.63	
05 12 23 00-0253	LF		W24 x 131 A992/A36 Structural Beam Or Girder.....	315.84	71.75
			For Hot Dip Galvanizing, Add	66.41	
			For High Strength Low Alloy A572-50 Steel, Add	28.43	
			For High Strength Low Alloy A588 Steel, Add	63.17	
			For Each Additional Top Copes >2, Add	2.39	
			For Structural Tees, WT, MT Or ST, Deduct	-99.07	
			For Skewed Or Sloped Connections, Add	37.90	
05 12 23 00-0254	LF		W24 x 117 A992/A36 Structural Beam Or Girder.....	286.45	68.17
			For Hot Dip Galvanizing, Add	59.31	
			For High Strength Low Alloy A572-50 Steel, Add	25.78	
			For High Strength Low Alloy A588 Steel, Add	57.29	
			For Each Additional Top Copes >2, Add	2.14	
			For Structural Tees, WT, MT Or ST, Deduct	-89.35	
			For Skewed Or Sloped Connections, Add	34.37	
05 12 23 00-0255	LF		W24 x 104 A992/A36 Structural Beam Or Girder.....	258.74	64.46
			For Hot Dip Galvanizing, Add	52.72	
			For High Strength Low Alloy A572-50 Steel, Add	23.29	
			For High Strength Low Alloy A588 Steel, Add	51.75	
			For Each Additional Top Copes >2, Add	1.90	
			For Structural Tees, WT, MT Or ST, Deduct	-80.25	
			For Skewed Or Sloped Connections, Add	31.05	
05 12 23 00-0256	LF		W24 x 94 A992/A36 Structural Beam Or Girder .....	247.91	71.42
			For Hot Dip Galvanizing, Add	47.65	
			For High Strength Low Alloy A572-50 Steel, Add	22.31	
			For High Strength Low Alloy A588 Steel, Add	49.58	
			For Each Additional Top Copes >2, Add	1.72	
			For Structural Tees, WT, MT Or ST, Deduct	-75.34	
			For Skewed Or Sloped Connections, Add	29.75	
05 12 23 00-0257	LF		W24 x 84 A992/A36 Structural Beam Or Girder .....	226.25	63.32
			For Hot Dip Galvanizing, Add	44.02	
			For High Strength Low Alloy A572-50 Steel, Add	20.36	
			For High Strength Low Alloy A588 Steel, Add	45.25	
			For Each Additional Top Copes >2, Add	1.59	
			For Structural Tees, WT, MT Or ST, Deduct	-69.05	
			For Skewed Or Sloped Connections, Add	27.15	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0258 LF W24 x 76 A992/A36 Structural Beam Or Girder .....	215.02	62.84
For Hot Dip Galvanizing, Add	41.04	
For High Strength Low Alloy A572-50 Steel, Add	19.35	
For High Strength Low Alloy A588 Steel, Add	43.00	
For Each Additional Top Copes >2, Add	1.48	
For Structural Tees, WT, MT Or ST, Deduct	-65.19	
For Skewed Or Sloped Connections, Add	25.80	
05 12 23 00-0259 LF W24 x 68 A992/A36 Structural Beam Or Girder .....	200.86	62.48
For Hot Dip Galvanizing, Add	37.24	
For High Strength Low Alloy A572-50 Steel, Add	18.08	
For High Strength Low Alloy A588 Steel, Add	40.17	
For Each Additional Top Copes >2, Add	1.34	
For Structural Tees, WT, MT Or ST, Deduct	-60.30	
For Skewed Or Sloped Connections, Add	24.10	
05 12 23 00-0260 LF W24 x 62 A992/A36 Structural Beam Or Girder .....	193.48	62.13
For Hot Dip Galvanizing, Add	35.29	
For High Strength Low Alloy A572-50 Steel, Add	17.41	
For High Strength Low Alloy A588 Steel, Add	38.70	
For Each Additional Top Copes >2, Add	1.27	
For Structural Tees, WT, MT Or ST, Deduct	-57.77	
For Skewed Or Sloped Connections, Add	23.22	
05 12 23 00-0261 LF W24 x 55 A992/A36 Structural Beam Or Girder .....	183.35	61.88
For Hot Dip Galvanizing, Add	32.58	
For High Strength Low Alloy A572-50 Steel, Add	16.50	
For High Strength Low Alloy A588 Steel, Add	36.67	
For Each Additional Top Copes >2, Add	1.17	
For Structural Tees, WT, MT Or ST, Deduct	-54.28	
For Skewed Or Sloped Connections, Add	22.00	
05 12 23 00-0262 LF W21 x 147 A992/A36 Structural Beam Or Girder .....	332.49	64.47
For Hot Dip Galvanizing, Add	73.18	
For High Strength Low Alloy A572-50 Steel, Add	29.92	
For High Strength Low Alloy A588 Steel, Add	66.50	
For Each Additional Top Copes >2, Add	2.64	
For Structural Tees, WT, MT Or ST, Deduct	-106.06	
For Skewed Or Sloped Connections, Add	39.90	
05 12 23 00-0263 LF W21 x 132 A992/A36 Structural Beam Or Girder .....	302.52	61.60
For Hot Dip Galvanizing, Add	65.71	
For High Strength Low Alloy A572-50 Steel, Add	27.23	
For High Strength Low Alloy A588 Steel, Add	60.50	
For Each Additional Top Copes >2, Add	2.37	
For Structural Tees, WT, MT Or ST, Deduct	-96.03	
For Skewed Or Sloped Connections, Add	36.30	
05 12 23 00-0264 LF W21 x 122 A992/A36 Structural Beam Or Girder .....	283.47	60.56
For Hot Dip Galvanizing, Add	60.74	
For High Strength Low Alloy A572-50 Steel, Add	25.51	
For High Strength Low Alloy A588 Steel, Add	56.69	
For Each Additional Top Copes >2, Add	2.19	
For Structural Tees, WT, MT Or ST, Deduct	-89.52	
For Skewed Or Sloped Connections, Add	34.02	
05 12 23 00-0265 LF W21 x 111 A992/A36 Structural Beam Or Girder .....	261.66	58.62
For Hot Dip Galvanizing, Add	55.26	
For High Strength Low Alloy A572-50 Steel, Add	23.55	
For High Strength Low Alloy A588 Steel, Add	52.33	
For Each Additional Top Copes >2, Add	1.99	
For Structural Tees, WT, MT Or ST, Deduct	-82.20	
For Skewed Or Sloped Connections, Add	31.40	
05 12 23 00-0266 LF W21 x 101 A992/A36 Structural Beam Or Girder .....	241.71	56.74
For Hot Dip Galvanizing, Add	50.28	
For High Strength Low Alloy A572-50 Steel, Add	21.75	
For High Strength Low Alloy A588 Steel, Add	48.34	
For Each Additional Top Copes >2, Add	1.81	
For Structural Tees, WT, MT Or ST, Deduct	-75.52	
For Skewed Or Sloped Connections, Add	29.01	
05 12 23 00-0267 LF W21 x 93 A992/A36 Structural Beam Or Girder .....	235.16	64.03
For Hot Dip Galvanizing, Add	46.30	
For High Strength Low Alloy A572-50 Steel, Add	21.16	
For High Strength Low Alloy A588 Steel, Add	47.03	
For Each Additional Top Copes >2, Add	1.67	
For Structural Tees, WT, MT Or ST, Deduct	-72.06	
For Skewed Or Sloped Connections, Add	28.22	
05 12 23 00-0268 LF W21 x 83 A992/A36 Structural Beam Or Girder .....	221.95	63.32
For Hot Dip Galvanizing, Add	42.83	
For High Strength Low Alloy A572-50 Steel, Add	19.98	
For High Strength Low Alloy A588 Steel, Add	44.39	
For Each Additional Top Copes >2, Add	1.54	
For Structural Tees, WT, MT Or ST, Deduct	-67.54	
For Skewed Or Sloped Connections, Add	26.63	
05 12 23 00-0269 LF W21 x 73 A992/A36 Structural Beam Or Girder .....	205.72	62.84
For Hot Dip Galvanizing, Add	38.49	
For High Strength Low Alloy A572-50 Steel, Add	18.51	
For High Strength Low Alloy A588 Steel, Add	41.14	
For Each Additional Top Copes >2, Add	1.39	
For Structural Tees, WT, MT Or ST, Deduct	-61.95	
For Skewed Or Sloped Connections, Add	24.69	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0270	LF		W21 x 68 A992/A36 Structural Beam Or Girder .....	197.54	62.48
			For Hot Dip Galvanizing, Add	36.32	
			For High Strength Low Alloy A572-50 Steel, Add	17.78	
			For High Strength Low Alloy A588 Steel, Add	39.51	
			For Each Additional Top Copes >2, Add	1.31	
			For Structural Tees, WT, MT Or ST, Deduct	-59.14	
			For Skewed Or Sloped Connections, Add	23.70	
05 12 23 00-0271	LF		W21 x 62 A992/A36 Structural Beam Or Girder .....	190.16	62.13
			For Hot Dip Galvanizing, Add	34.37	
			For High Strength Low Alloy A572-50 Steel, Add	17.11	
			For High Strength Low Alloy A588 Steel, Add	38.03	
			For Each Additional Top Copes >2, Add	1.24	
			For Structural Tees, WT, MT Or ST, Deduct	-56.61	
			For Skewed Or Sloped Connections, Add	22.82	
05 12 23 00-0272	LF		W21 x 57 A992/A36 Structural Beam Or Girder .....	183.47	62.01
			For Hot Dip Galvanizing, Add	32.58	
			For High Strength Low Alloy A572-50 Steel, Add	16.51	
			For High Strength Low Alloy A588 Steel, Add	36.69	
			For Each Additional Top Copes >2, Add	1.17	
			For Structural Tees, WT, MT Or ST, Deduct	-54.31	
			For Skewed Or Sloped Connections, Add	22.02	
05 12 23 00-0273	LF		W21 x 50 A992/A36 Structural Beam Or Girder .....	162.77	53.78
			For Hot Dip Galvanizing, Add	29.22	
			For High Strength Low Alloy A572-50 Steel, Add	14.65	
			For High Strength Low Alloy A588 Steel, Add	32.55	
			For Each Additional Top Copes >2, Add	1.05	
			For Structural Tees, WT, MT Or ST, Deduct	-48.35	
			For Skewed Or Sloped Connections, Add	19.53	
05 12 23 00-0274	LF		W21 x 44 A992/A36 Structural Beam Or Girder .....	154.99	53.54
			For Hot Dip Galvanizing, Add	27.16	
			For High Strength Low Alloy A572-50 Steel, Add	13.95	
			For High Strength Low Alloy A588 Steel, Add	31.00	
			For Each Additional Top Copes >2, Add	0.98	
			For Structural Tees, WT, MT Or ST, Deduct	-45.68	
			For Skewed Or Sloped Connections, Add	18.60	
05 12 23 00-0275	LF		W18 x 119 A992/A36 Structural Beam Or Girder.....	275.53	60.36
			For Hot Dip Galvanizing, Add	58.59	
			For High Strength Low Alloy A572-50 Steel, Add	24.80	
			For High Strength Low Alloy A588 Steel, Add	55.11	
			For Each Additional Top Copes >2, Add	2.11	
			For Structural Tees, WT, MT Or ST, Deduct	-86.78	
			For Skewed Or Sloped Connections, Add	33.06	
05 12 23 00-0276	LF		W18 x 106 A992/A36 Structural Beam Or Girder.....	249.08	57.20
			For Hot Dip Galvanizing, Add	52.19	
			For High Strength Low Alloy A572-50 Steel, Add	22.42	
			For High Strength Low Alloy A588 Steel, Add	49.82	
			For Each Additional Top Copes >2, Add	1.88	
			For Structural Tees, WT, MT Or ST, Deduct	-78.03	
			For Skewed Or Sloped Connections, Add	29.89	
05 12 23 00-0277	LF		W18 x 97 A992/A36 Structural Beam Or Girder .....	240.57	64.03
			For Hot Dip Galvanizing, Add	47.76	
			For High Strength Low Alloy A572-50 Steel, Add	21.65	
			For High Strength Low Alloy A588 Steel, Add	48.11	
			For Each Additional Top Copes >2, Add	1.72	
			For Structural Tees, WT, MT Or ST, Deduct	-73.93	
			For Skewed Or Sloped Connections, Add	28.87	
05 12 23 00-0278	LF		W18 x 86 A992/A36 Structural Beam Or Girder .....	225.38	63.43
			For Hot Dip Galvanizing, Add	43.75	
			For High Strength Low Alloy A572-50 Steel, Add	20.28	
			For High Strength Low Alloy A588 Steel, Add	45.08	
			For Each Additional Top Copes >2, Add	1.58	
			For Structural Tees, WT, MT Or ST, Deduct	-68.73	
			For Skewed Or Sloped Connections, Add	27.05	
05 12 23 00-0279	LF		W18 x 76 A992/A36 Structural Beam Or Girder .....	211.70	62.84
			For Hot Dip Galvanizing, Add	40.12	
			For High Strength Low Alloy A572-50 Steel, Add	19.05	
			For High Strength Low Alloy A588 Steel, Add	42.34	
			For Each Additional Top Copes >2, Add	1.45	
			For Structural Tees, WT, MT Or ST, Deduct	-64.03	
			For Skewed Or Sloped Connections, Add	25.40	
05 12 23 00-0280	LF		W18 x 71 A992/A36 Structural Beam Or Girder .....	201.70	62.72
			For Hot Dip Galvanizing, Add	37.41	
			For High Strength Low Alloy A572-50 Steel, Add	18.15	
			For High Strength Low Alloy A588 Steel, Add	40.34	
			For Each Additional Top Copes >2, Add	1.35	
			For Structural Tees, WT, MT Or ST, Deduct	-60.56	
			For Skewed Or Sloped Connections, Add	24.20	
05 12 23 00-0281	LF		W18 x 65 A992/A36 Structural Beam Or Girder .....	191.96	62.48
			For Hot Dip Galvanizing, Add	34.80	
			For High Strength Low Alloy A572-50 Steel, Add	17.28	
			For High Strength Low Alloy A588 Steel, Add	38.39	
			For Each Additional Top Copes >2, Add	1.25	
			For Structural Tees, WT, MT Or ST, Deduct	-57.21	
			For Skewed Or Sloped Connections, Add	23.04	





<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0282 LF W18 x 60 A992/A36 Structural Beam Or Girder .....	183.19	62.01
For Hot Dip Galvanizing, Add	32.47	
For High Strength Low Alloy A572-50 Steel, Add	16.49	
For High Strength Low Alloy A588 Steel, Add	36.64	
For Each Additional Top Copes >2, Add	1.17	
For Structural Tees, WT, MT Or ST, Deduct	-54.19	
For Skewed Or Sloped Connections, Add	21.98	
05 12 23 00-0283 LF W18 x 55 A992/A36 Structural Beam Or Girder .....	174.37	61.88
For Hot Dip Galvanizing, Add	30.09	
For High Strength Low Alloy A572-50 Steel, Add	15.69	
For High Strength Low Alloy A588 Steel, Add	34.87	
For Each Additional Top Copes >2, Add	1.08	
For Structural Tees, WT, MT Or ST, Deduct	-51.14	
For Skewed Or Sloped Connections, Add	20.92	
05 12 23 00-0284 LF W18 x 50 A992/A36 Structural Beam Or Girder .....	157.30	53.78
For Hot Dip Galvanizing, Add	27.70	
For High Strength Low Alloy A572-50 Steel, Add	14.16	
For High Strength Low Alloy A588 Steel, Add	31.46	
For Each Additional Top Copes >2, Add	1.00	
For Structural Tees, WT, MT Or ST, Deduct	-46.43	
For Skewed Or Sloped Connections, Add	18.88	
05 12 23 00-0285 LF W18 x 46 A992/A36 Structural Beam Or Girder .....	150.43	53.66
For Hot Dip Galvanizing, Add	25.86	
For High Strength Low Alloy A572-50 Steel, Add	13.54	
For High Strength Low Alloy A588 Steel, Add	30.09	
For Each Additional Top Copes >2, Add	0.93	
For Structural Tees, WT, MT Or ST, Deduct	-44.06	
For Skewed Or Sloped Connections, Add	18.05	
05 12 23 00-0286 LF W18 x 40 A992/A36 Structural Beam Or Girder .....	131.72	45.79
For Hot Dip Galvanizing, Add	22.99	
For High Strength Low Alloy A572-50 Steel, Add	11.85	
For High Strength Low Alloy A588 Steel, Add	26.34	
For Each Additional Top Copes >2, Add	0.83	
For Structural Tees, WT, MT Or ST, Deduct	-38.77	
For Skewed Or Sloped Connections, Add	15.81	
05 12 23 00-0287 LF W18 x 35 A992/A36 Structural Beam Or Girder .....	123.08	45.67
For Hot Dip Galvanizing, Add	20.65	
For High Strength Low Alloy A572-50 Steel, Add	11.08	
For High Strength Low Alloy A588 Steel, Add	24.62	
For Each Additional Top Copes >2, Add	0.74	
For Structural Tees, WT, MT Or ST, Deduct	-35.78	
For Skewed Or Sloped Connections, Add	14.77	
05 12 23 00-0288 LF W16 x 100 A992/A36 Structural Beam Or Girder .....	229.36	41.61
For Hot Dip Galvanizing, Add	51.34	
For High Strength Low Alloy A572-50 Steel, Add	20.64	
For High Strength Low Alloy A588 Steel, Add	45.87	
For Each Additional Top Copes >2, Add	1.85	
For Structural Tees, WT, MT Or ST, Deduct	-73.62	
For Skewed Or Sloped Connections, Add	27.52	
05 12 23 00-0289 LF W16 x 89 A992/A36 Structural Beam Or Girder .....	209.89	40.90
For Hot Dip Galvanizing, Add	46.13	
For High Strength Low Alloy A572-50 Steel, Add	18.89	
For High Strength Low Alloy A588 Steel, Add	41.98	
For Each Additional Top Copes >2, Add	1.66	
For Structural Tees, WT, MT Or ST, Deduct	-66.92	
For Skewed Or Sloped Connections, Add	25.19	
05 12 23 00-0290 LF W16 x 77 A992/A36 Structural Beam Or Girder .....	188.99	40.42
For Hot Dip Galvanizing, Add	40.50	
For High Strength Low Alloy A572-50 Steel, Add	17.01	
For High Strength Low Alloy A588 Steel, Add	37.80	
For Each Additional Top Copes >2, Add	1.46	
For Structural Tees, WT, MT Or ST, Deduct	-59.69	
For Skewed Or Sloped Connections, Add	22.68	
05 12 23 00-0291 LF W16 x 67 A992/A36 Structural Beam Or Girder .....	171.19	39.83
For Hot Dip Galvanizing, Add	35.73	
For High Strength Low Alloy A572-50 Steel, Add	15.41	
For High Strength Low Alloy A588 Steel, Add	34.24	
For Each Additional Top Copes >2, Add	1.29	
For Structural Tees, WT, MT Or ST, Deduct	-53.55	
For Skewed Or Sloped Connections, Add	20.54	
05 12 23 00-0292 LF W16 x 57 A992/A36 Structural Beam Or Girder .....	153.61	39.23
For Hot Dip Galvanizing, Add	31.01	
For High Strength Low Alloy A572-50 Steel, Add	13.82	
For High Strength Low Alloy A588 Steel, Add	30.72	
For Each Additional Top Copes >2, Add	1.12	
For Structural Tees, WT, MT Or ST, Deduct	-47.48	
For Skewed Or Sloped Connections, Add	18.43	
05 12 23 00-0293 LF W16 x 50 A992/A36 Structural Beam Or Girder .....	141.33	38.87
For Hot Dip Galvanizing, Add	27.70	
For High Strength Low Alloy A572-50 Steel, Add	12.72	
For High Strength Low Alloy A588 Steel, Add	28.27	
For Each Additional Top Copes >2, Add	1.00	
For Structural Tees, WT, MT Or ST, Deduct	-43.24	
For Skewed Or Sloped Connections, Add	16.96	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0294	LF		W16 x 45 A992/A36 Structural Beam Or Girder .....	132.69	38.64
			For Hot Dip Galvanizing, Add	25.37	
			For High Strength Low Alloy A572-50 Steel, Add	11.94	
			For High Strength Low Alloy A588 Steel, Add	26.54	
			For Each Additional Top Copes >2, Add	0.91	
			For Structural Tees, WT, MT Or ST, Deduct	-40.25	
			For Skewed Or Sloped Connections, Add	15.92	
05 12 23 00-0295	LF		W16 x 40 A992/A36 Structural Beam Or Girder .....	123.73	38.28
			For Hot Dip Galvanizing, Add	22.99	
			For High Strength Low Alloy A572-50 Steel, Add	11.14	
			For High Strength Low Alloy A588 Steel, Add	24.75	
			For Each Additional Top Copes >2, Add	0.83	
			For Structural Tees, WT, MT Or ST, Deduct	-37.17	
			For Skewed Or Sloped Connections, Add	14.85	
05 12 23 00-0296	LF		W16 x 36 A992/A36 Structural Beam Or Girder .....	116.73	38.03
			For Hot Dip Galvanizing, Add	21.14	
			For High Strength Low Alloy A572-50 Steel, Add	10.51	
			For High Strength Low Alloy A588 Steel, Add	23.35	
			For Each Additional Top Copes >2, Add	0.76	
			For Structural Tees, WT, MT Or ST, Deduct	-34.77	
			For Skewed Or Sloped Connections, Add	14.01	
05 12 23 00-0297	LF		W16 x 31 A992/A36 Structural Beam Or Girder .....	99.92	30.29
			For Hot Dip Galvanizing, Add	18.76	
			For High Strength Low Alloy A572-50 Steel, Add	8.99	
			For High Strength Low Alloy A588 Steel, Add	19.98	
			For Each Additional Top Copes >2, Add	0.68	
			For Structural Tees, WT, MT Or ST, Deduct	-30.12	
			For Skewed Or Sloped Connections, Add	11.99	
05 12 23 00-0298	LF		W16 x 26 A992/A36 Structural Beam Or Girder .....	88.64	29.93
			For Hot Dip Galvanizing, Add	15.73	
			For High Strength Low Alloy A572-50 Steel, Add	7.98	
			For High Strength Low Alloy A588 Steel, Add	17.73	
			For Each Additional Top Copes >2, Add	0.57	
			For Structural Tees, WT, MT Or ST, Deduct	-26.23	
			For Skewed Or Sloped Connections, Add	10.64	
05 12 23 00-0299	LF		W14 x 99 A992/A36 Structural Beam Or Girder .....	219.61	34.10
			For Hot Dip Galvanizing, Add	50.85	
			For High Strength Low Alloy A572-50 Steel, Add	19.76	
			For High Strength Low Alloy A588 Steel, Add	43.92	
			For Each Additional Top Copes >2, Add	1.83	
			For Structural Tees, WT, MT Or ST, Deduct	-71.41	
			For Skewed Or Sloped Connections, Add	26.35	
05 12 23 00-0300	LF		W14 x 90 A992/A36 Structural Beam Or Girder .....	203.78	33.51
			For Hot Dip Galvanizing, Add	46.62	
			For High Strength Low Alloy A572-50 Steel, Add	18.34	
			For High Strength Low Alloy A588 Steel, Add	40.76	
			For Each Additional Top Copes >2, Add	1.68	
			For Structural Tees, WT, MT Or ST, Deduct	-65.96	
			For Skewed Or Sloped Connections, Add	24.45	
05 12 23 00-0301	LF		W14 x 82 A992/A36 Structural Beam Or Girder .....	189.63	33.15
			For Hot Dip Galvanizing, Add	42.83	
			For High Strength Low Alloy A572-50 Steel, Add	17.07	
			For High Strength Low Alloy A588 Steel, Add	37.93	
			For Each Additional Top Copes >2, Add	1.54	
			For Structural Tees, WT, MT Or ST, Deduct	-61.08	
			For Skewed Or Sloped Connections, Add	22.76	
05 12 23 00-0302	LF		W14 x 74 A992/A36 Structural Beam Or Girder .....	175.49	32.67
			For Hot Dip Galvanizing, Add	39.03	
			For High Strength Low Alloy A572-50 Steel, Add	15.79	
			For High Strength Low Alloy A588 Steel, Add	35.10	
			For Each Additional Top Copes >2, Add	1.41	
			For Structural Tees, WT, MT Or ST, Deduct	-56.20	
			For Skewed Or Sloped Connections, Add	21.06	
05 12 23 00-0303	LF		W14 x 68 A992/A36 Structural Beam Or Girder .....	164.96	32.32
			For Hot Dip Galvanizing, Add	36.21	
			For High Strength Low Alloy A572-50 Steel, Add	14.85	
			For High Strength Low Alloy A588 Steel, Add	32.99	
			For Each Additional Top Copes >2, Add	1.31	
			For Structural Tees, WT, MT Or ST, Deduct	-52.57	
			For Skewed Or Sloped Connections, Add	19.80	
05 12 23 00-0304	LF		W14 x 61 A992/A36 Structural Beam Or Girder .....	152.69	31.96
			For Hot Dip Galvanizing, Add	32.91	
			For High Strength Low Alloy A572-50 Steel, Add	13.74	
			For High Strength Low Alloy A588 Steel, Add	30.54	
			For Each Additional Top Copes >2, Add	1.19	
			For Structural Tees, WT, MT Or ST, Deduct	-48.33	
			For Skewed Or Sloped Connections, Add	18.32	
05 12 23 00-0305	LF		W14 x 53 A992/A36 Structural Beam Or Girder .....	138.73	31.48
			For Hot Dip Galvanizing, Add	29.17	
			For High Strength Low Alloy A572-50 Steel, Add	12.49	
			For High Strength Low Alloy A588 Steel, Add	27.75	
			For Each Additional Top Copes >2, Add	1.05	
			For Structural Tees, WT, MT Or ST, Deduct	-43.51	
			For Skewed Or Sloped Connections, Add	16.65	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0306 LF W14 x 48 A992/A36 Structural Beam Or Girder .....	129.78	31.12
For Hot Dip Galvanizing, Add	26.78	
For High Strength Low Alloy A572-50 Steel, Add	11.68	
For High Strength Low Alloy A588 Steel, Add	25.96	
For Each Additional Top Copes >2, Add	0.97	
For Structural Tees, WT, MT Or ST, Deduct	-40.43	
For Skewed Or Sloped Connections, Add	15.57	
05 12 23 00-0307 LF W14 x 43 A992/A36 Structural Beam Or Girder .....	120.94	31.00
For Hot Dip Galvanizing, Add	24.40	
For High Strength Low Alloy A572-50 Steel, Add	10.88	
For High Strength Low Alloy A588 Steel, Add	24.19	
For Each Additional Top Copes >2, Add	0.88	
For Structural Tees, WT, MT Or ST, Deduct	-37.37	
For Skewed Or Sloped Connections, Add	14.51	
05 12 23 00-0308 LF W14 x 38 A992/A36 Structural Beam Or Girder .....	112.18	30.77
For Hot Dip Galvanizing, Add	22.06	
For High Strength Low Alloy A572-50 Steel, Add	10.10	
For High Strength Low Alloy A588 Steel, Add	22.44	
For Each Additional Top Copes >2, Add	0.80	
For Structural Tees, WT, MT Or ST, Deduct	-34.36	
For Skewed Or Sloped Connections, Add	13.46	
05 12 23 00-0309 LF W14 x 34 A992/A36 Structural Beam Or Girder .....	105.11	30.40
For Hot Dip Galvanizing, Add	20.17	
For High Strength Low Alloy A572-50 Steel, Add	9.46	
For High Strength Low Alloy A588 Steel, Add	21.02	
For Each Additional Top Copes >2, Add	0.73	
For Structural Tees, WT, MT Or ST, Deduct	-31.92	
For Skewed Or Sloped Connections, Add	12.61	
05 12 23 00-0310 LF W14 x 30 A992/A36 Structural Beam Or Girder .....	98.03	30.29
For Hot Dip Galvanizing, Add	18.27	
For High Strength Low Alloy A572-50 Steel, Add	8.82	
For High Strength Low Alloy A588 Steel, Add	19.61	
For Each Additional Top Copes >2, Add	0.66	
For Structural Tees, WT, MT Or ST, Deduct	-29.48	
For Skewed Or Sloped Connections, Add	11.76	
05 12 23 00-0311 LF W14 x 26 A992/A36 Structural Beam Or Girder .....	90.96	29.93
For Hot Dip Galvanizing, Add	16.37	
For High Strength Low Alloy A572-50 Steel, Add	8.19	
For High Strength Low Alloy A588 Steel, Add	18.19	
For Each Additional Top Copes >2, Add	0.59	
For Structural Tees, WT, MT Or ST, Deduct	-27.04	
For Skewed Or Sloped Connections, Add	10.92	
05 12 23 00-0312 LF W14 x 22 A992/A36 Structural Beam Or Girder .....	84.08	29.81
For Hot Dip Galvanizing, Add	14.53	
For High Strength Low Alloy A572-50 Steel, Add	7.57	
For High Strength Low Alloy A588 Steel, Add	16.82	
For Each Additional Top Copes >2, Add	0.52	
For Structural Tees, WT, MT Or ST, Deduct	-24.67	
For Skewed Or Sloped Connections, Add	10.09	
05 12 23 00-0313 LF W12 x 87 A992/A36 Structural Beam Or Girder .....	198.58	33.39
For Hot Dip Galvanizing, Add	45.21	
For High Strength Low Alloy A572-50 Steel, Add	17.87	
For High Strength Low Alloy A588 Steel, Add	39.72	
For Each Additional Top Copes >2, Add	1.63	
For Structural Tees, WT, MT Or ST, Deduct	-64.16	
For Skewed Or Sloped Connections, Add	23.83	
05 12 23 00-0314 LF W12 x 79 A992/A36 Structural Beam Or Girder .....	184.43	32.91
For Hot Dip Galvanizing, Add	41.42	
For High Strength Low Alloy A572-50 Steel, Add	16.60	
For High Strength Low Alloy A588 Steel, Add	36.89	
For Each Additional Top Copes >2, Add	1.49	
For Structural Tees, WT, MT Or ST, Deduct	-59.28	
For Skewed Or Sloped Connections, Add	22.13	
05 12 23 00-0315 LF W12 x 72 A992/A36 Structural Beam Or Girder .....	172.04	32.55
For Hot Dip Galvanizing, Add	38.11	
For High Strength Low Alloy A572-50 Steel, Add	15.48	
For High Strength Low Alloy A588 Steel, Add	34.41	
For Each Additional Top Copes >2, Add	1.37	
For Structural Tees, WT, MT Or ST, Deduct	-55.01	
For Skewed Or Sloped Connections, Add	20.64	
05 12 23 00-0316 LF W12 x 65 A992/A36 Structural Beam Or Girder .....	159.77	32.19
For Hot Dip Galvanizing, Add	34.80	
For High Strength Low Alloy A572-50 Steel, Add	14.38	
For High Strength Low Alloy A588 Steel, Add	31.95	
For Each Additional Top Copes >2, Add	1.25	
For Structural Tees, WT, MT Or ST, Deduct	-50.77	
For Skewed Or Sloped Connections, Add	19.17	
05 12 23 00-0317 LF W12 x 58 A992/A36 Structural Beam Or Girder .....	147.38	31.72
For Hot Dip Galvanizing, Add	31.50	
For High Strength Low Alloy A572-50 Steel, Add	13.26	
For High Strength Low Alloy A588 Steel, Add	29.48	
For Each Additional Top Copes >2, Add	1.14	
For Structural Tees, WT, MT Or ST, Deduct	-46.50	
For Skewed Or Sloped Connections, Add	17.69	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0318	LF		W12 x 53 A992/A36 Structural Beam Or Girder .....	138.73	31.48
			For Hot Dip Galvanizing, Add	29.17	
			For High Strength Low Alloy A572-50 Steel, Add	12.49	
			For High Strength Low Alloy A588 Steel, Add	27.75	
			For Each Additional Top Copes >2, Add	1.05	
			For Structural Tees, WT, MT Or ST, Deduct	-43.51	
			For Skewed Or Sloped Connections, Add	16.65	
05 12 23 00-0319	LF		W12 x 50 A992/A36 Structural Beam Or Girder .....	133.22	31.36
			For Hot Dip Galvanizing, Add	27.70	
			For High Strength Low Alloy A572-50 Steel, Add	11.99	
			For High Strength Low Alloy A588 Steel, Add	26.64	
			For Each Additional Top Copes >2, Add	1.00	
			For Structural Tees, WT, MT Or ST, Deduct	-41.62	
			For Skewed Or Sloped Connections, Add	15.99	
05 12 23 00-0320	LF		W12 x 45 A992/A36 Structural Beam Or Girder .....	124.58	31.12
			For Hot Dip Galvanizing, Add	25.37	
			For High Strength Low Alloy A572-50 Steel, Add	11.21	
			For High Strength Low Alloy A588 Steel, Add	24.92	
			For Each Additional Top Copes >2, Add	0.91	
			For Structural Tees, WT, MT Or ST, Deduct	-38.63	
			For Skewed Or Sloped Connections, Add	14.95	
05 12 23 00-0321	LF		W12 x 40 A992/A36 Structural Beam Or Girder .....	107.51	23.13
			For Hot Dip Galvanizing, Add	22.99	
			For High Strength Low Alloy A572-50 Steel, Add	9.68	
			For High Strength Low Alloy A588 Steel, Add	21.50	
			For Each Additional Top Copes >2, Add	0.83	
			For Structural Tees, WT, MT Or ST, Deduct	-33.93	
			For Skewed Or Sloped Connections, Add	12.90	
05 12 23 00-0322	LF		W12 x 35 A992/A36 Structural Beam Or Girder .....	98.87	23.01
			For Hot Dip Galvanizing, Add	20.65	
			For High Strength Low Alloy A572-50 Steel, Add	8.90	
			For High Strength Low Alloy A588 Steel, Add	19.77	
			For Each Additional Top Copes >2, Add	0.74	
			For Structural Tees, WT, MT Or ST, Deduct	-30.94	
			For Skewed Or Sloped Connections, Add	11.86	
05 12 23 00-0323	LF		W12 x 30 A992/A36 Structural Beam Or Girder .....	89.92	22.66
			For Hot Dip Galvanizing, Add	18.27	
			For High Strength Low Alloy A572-50 Steel, Add	8.09	
			For High Strength Low Alloy A588 Steel, Add	17.98	
			For Each Additional Top Copes >2, Add	0.66	
			For Structural Tees, WT, MT Or ST, Deduct	-27.86	
			For Skewed Or Sloped Connections, Add	10.79	
05 12 23 00-0324	LF		W12 x 26 A992/A36 Structural Beam Or Girder .....	82.85	22.42
			For Hot Dip Galvanizing, Add	16.37	
			For High Strength Low Alloy A572-50 Steel, Add	7.46	
			For High Strength Low Alloy A588 Steel, Add	16.57	
			For Each Additional Top Copes >2, Add	0.59	
			For Structural Tees, WT, MT Or ST, Deduct	-25.42	
			For Skewed Or Sloped Connections, Add	9.94	
05 12 23 00-0325	LF		W12 x 22 A992/A36 Structural Beam Or Girder .....	75.97	22.18
			For Hot Dip Galvanizing, Add	14.53	
			For High Strength Low Alloy A572-50 Steel, Add	6.84	
			For High Strength Low Alloy A588 Steel, Add	15.19	
			For Each Additional Top Copes >2, Add	0.52	
			For Structural Tees, WT, MT Or ST, Deduct	-23.05	
			For Skewed Or Sloped Connections, Add	9.12	
05 12 23 00-0326	LF		W12 x 19 A992/A36 Structural Beam Or Girder .....	70.57	22.05
			For Hot Dip Galvanizing, Add	13.06	
			For High Strength Low Alloy A572-50 Steel, Add	6.35	
			For High Strength Low Alloy A588 Steel, Add	14.11	
			For Each Additional Top Copes >2, Add	0.47	
			For Structural Tees, WT, MT Or ST, Deduct	-21.18	
			For Skewed Or Sloped Connections, Add	8.47	
05 12 23 00-0327	LF		W12 x 16 A992/A36 Structural Beam Or Girder .....	65.25	21.70
			For Hot Dip Galvanizing, Add	11.66	
			For High Strength Low Alloy A572-50 Steel, Add	5.87	
			For High Strength Low Alloy A588 Steel, Add	13.05	
			For Each Additional Top Copes >2, Add	0.42	
			For Structural Tees, WT, MT Or ST, Deduct	-19.35	
			For Skewed Or Sloped Connections, Add	7.83	
05 12 23 00-0328	LF		W12 x 14 A992/A36 Structural Beam Or Girder .....	61.81	21.70
			For Hot Dip Galvanizing, Add	10.73	
			For High Strength Low Alloy A572-50 Steel, Add	5.56	
			For High Strength Low Alloy A588 Steel, Add	12.36	
			For Each Additional Top Copes >2, Add	0.39	
			For Structural Tees, WT, MT Or ST, Deduct	-18.16	
			For Skewed Or Sloped Connections, Add	7.42	
05 12 23 00-0329	LF		W10 x 68 A992/A36 Structural Beam Or Girder .....	157.36	24.92
			For Hot Dip Galvanizing, Add	36.32	
			For High Strength Low Alloy A572-50 Steel, Add	14.16	
			For High Strength Low Alloy A588 Steel, Add	31.47	
			For Each Additional Top Copes >2, Add	1.31	
			For Structural Tees, WT, MT Or ST, Deduct	-51.11	
			For Skewed Or Sloped Connections, Add	18.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0330 LF W10 x 60 A992/A36 Structural Beam Or Girder .....	143.41	24.44
For Hot Dip Galvanizing, Add	32.58	
For High Strength Low Alloy A572-50 Steel, Add	12.91	
For High Strength Low Alloy A588 Steel, Add	28.68	
For Each Additional Top Copes >2, Add	1.17	
For Structural Tees, WT, MT Or ST, Deduct	-46.29	
For Skewed Or Sloped Connections, Add	17.21	
05 12 23 00-0331 LF W10 x 54 A992/A36 Structural Beam Or Girder .....	132.70	23.97
For Hot Dip Galvanizing, Add	29.71	
For High Strength Low Alloy A572-50 Steel, Add	11.94	
For High Strength Low Alloy A588 Steel, Add	26.54	
For Each Additional Top Copes >2, Add	1.07	
For Structural Tees, WT, MT Or ST, Deduct	-42.60	
For Skewed Or Sloped Connections, Add	15.92	
05 12 23 00-0332 LF W10 x 49 A992/A36 Structural Beam Or Girder .....	123.94	23.73
For Hot Dip Galvanizing, Add	27.38	
For High Strength Low Alloy A572-50 Steel, Add	11.15	
For High Strength Low Alloy A588 Steel, Add	24.79	
For Each Additional Top Copes >2, Add	0.99	
For Structural Tees, WT, MT Or ST, Deduct	-39.59	
For Skewed Or Sloped Connections, Add	14.87	
05 12 23 00-0333 LF W10 x 45 A992/A36 Structural Beam Or Girder .....	116.86	23.61
For Hot Dip Galvanizing, Add	25.48	
For High Strength Low Alloy A572-50 Steel, Add	10.52	
For High Strength Low Alloy A588 Steel, Add	23.37	
For Each Additional Top Copes >2, Add	0.92	
For Structural Tees, WT, MT Or ST, Deduct	-37.15	
For Skewed Or Sloped Connections, Add	14.02	
05 12 23 00-0334 LF W10 x 39 A992/A36 Structural Beam Or Girder .....	106.34	23.13
For Hot Dip Galvanizing, Add	22.66	
For High Strength Low Alloy A572-50 Steel, Add	9.57	
For High Strength Low Alloy A588 Steel, Add	21.27	
For Each Additional Top Copes >2, Add	0.82	
For Structural Tees, WT, MT Or ST, Deduct	-33.52	
For Skewed Or Sloped Connections, Add	12.76	
05 12 23 00-0335 LF W10 x 33 A992/A36 Structural Beam Or Girder .....	95.83	22.78
For Hot Dip Galvanizing, Add	19.84	
For High Strength Low Alloy A572-50 Steel, Add	8.62	
For High Strength Low Alloy A588 Steel, Add	19.17	
For Each Additional Top Copes >2, Add	0.72	
For Structural Tees, WT, MT Or ST, Deduct	-29.89	
For Skewed Or Sloped Connections, Add	11.50	
05 12 23 00-0336 LF W10 x 30 A992/A36 Structural Beam Or Girder .....	90.43	22.66
For Hot Dip Galvanizing, Add	18.38	
For High Strength Low Alloy A572-50 Steel, Add	8.14	
For High Strength Low Alloy A588 Steel, Add	18.09	
For Each Additional Top Copes >2, Add	0.66	
For Structural Tees, WT, MT Or ST, Deduct	-28.02	
For Skewed Or Sloped Connections, Add	10.85	
05 12 23 00-0337 LF W10 x 26 A992/A36 Structural Beam Or Girder .....	83.56	22.53
For Hot Dip Galvanizing, Add	16.54	
For High Strength Low Alloy A572-50 Steel, Add	7.52	
For High Strength Low Alloy A588 Steel, Add	16.71	
For Each Additional Top Copes >2, Add	0.60	
For Structural Tees, WT, MT Or ST, Deduct	-25.65	
For Skewed Or Sloped Connections, Add	10.03	
05 12 23 00-0338 LF W10 x 22 A992/A36 Structural Beam Or Girder .....	76.36	22.18
For Hot Dip Galvanizing, Add	14.64	
For High Strength Low Alloy A572-50 Steel, Add	6.87	
For High Strength Low Alloy A588 Steel, Add	15.27	
For Each Additional Top Copes >2, Add	0.53	
For Structural Tees, WT, MT Or ST, Deduct	-23.18	
For Skewed Or Sloped Connections, Add	9.16	
05 12 23 00-0339 LF W10 x 19 A992/A36 Structural Beam Or Girder .....	71.16	22.05
For Hot Dip Galvanizing, Add	13.23	
For High Strength Low Alloy A572-50 Steel, Add	6.40	
For High Strength Low Alloy A588 Steel, Add	14.23	
For Each Additional Top Copes >2, Add	0.48	
For Structural Tees, WT, MT Or ST, Deduct	-21.38	
For Skewed Or Sloped Connections, Add	8.54	
05 12 23 00-0340 LF W10 x 17 A992/A36 Structural Beam Or Girder .....	67.52	21.94
For Hot Dip Galvanizing, Add	12.25	
For High Strength Low Alloy A572-50 Steel, Add	6.08	
For High Strength Low Alloy A588 Steel, Add	13.50	
For Each Additional Top Copes >2, Add	0.44	
For Structural Tees, WT, MT Or ST, Deduct	-20.13	
For Skewed Or Sloped Connections, Add	8.10	
05 12 23 00-0341 LF W10 x 15 A992/A36 Structural Beam Or Girder .....	64.09	21.70
For Hot Dip Galvanizing, Add	11.33	
For High Strength Low Alloy A572-50 Steel, Add	5.77	
For High Strength Low Alloy A588 Steel, Add	12.82	
For Each Additional Top Copes >2, Add	0.41	
For Structural Tees, WT, MT Or ST, Deduct	-18.94	
For Skewed Or Sloped Connections, Add	7.69	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0342	LF		W10 x 12 A992/A36 Structural Beam Or Girder .....	58.88	21.70
			For Hot Dip Galvanizing, Add	9.92	
			For High Strength Low Alloy A572-50 Steel, Add	5.30	
			For High Strength Low Alloy A588 Steel, Add	11.78	
			For Each Additional Top Copes >2, Add	0.36	
			For Structural Tees, WT, MT Or ST, Deduct	-17.14	
			For Skewed Or Sloped Connections, Add	7.07	
05 12 23 00-0343	LF		W8 x 35 A992/A36 Structural Beam Or Girder .....	99.27	23.01
			For Hot Dip Galvanizing, Add	20.76	
			For High Strength Low Alloy A572-50 Steel, Add	8.93	
			For High Strength Low Alloy A588 Steel, Add	19.85	
			For Each Additional Top Copes >2, Add	0.75	
			For Structural Tees, WT, MT Or ST, Deduct	-31.08	
			For Skewed Or Sloped Connections, Add	11.91	
05 12 23 00-0344	LF		W8 x 31 A992/A36 Structural Beam Or Girder .....	92.19	22.66
			For Hot Dip Galvanizing, Add	18.87	
			For High Strength Low Alloy A572-50 Steel, Add	8.30	
			For High Strength Low Alloy A588 Steel, Add	18.44	
			For Each Additional Top Copes >2, Add	0.68	
			For Structural Tees, WT, MT Or ST, Deduct	-28.64	
			For Skewed Or Sloped Connections, Add	11.06	
05 12 23 00-0345	LF		W8 x 28 A992/A36 Structural Beam Or Girder .....	84.80	21.34
			For Hot Dip Galvanizing, Add	17.21	
			For High Strength Low Alloy A572-50 Steel, Add	7.63	
			For High Strength Low Alloy A588 Steel, Add	16.96	
			For Each Additional Top Copes >2, Add	0.62	
			For Structural Tees, WT, MT Or ST, Deduct	-26.26	
			For Skewed Or Sloped Connections, Add	10.18	
05 12 23 00-0346	LF		W8 x 24 A992/A36 Structural Beam Or Girder .....	77.22	20.04
			For Hot Dip Galvanizing, Add	15.51	
			For High Strength Low Alloy A572-50 Steel, Add	6.95	
			For High Strength Low Alloy A588 Steel, Add	15.44	
			For Each Additional Top Copes >2, Add	0.56	
			For Structural Tees, WT, MT Or ST, Deduct	-23.83	
			For Skewed Or Sloped Connections, Add	9.27	
05 12 23 00-0347	LF		W8 x 21 A992/A36 Structural Beam Or Girder .....	71.85	18.60
			For Hot Dip Galvanizing, Add	14.41	
			For High Strength Low Alloy A572-50 Steel, Add	6.47	
			For High Strength Low Alloy A588 Steel, Add	14.37	
			For Each Additional Top Copes >2, Add	0.52	
			For Structural Tees, WT, MT Or ST, Deduct	-22.16	
			For Skewed Or Sloped Connections, Add	8.62	
05 12 23 00-0348	LF		W8 x 18 A992/A36 Structural Beam Or Girder .....	62.70	17.28
			For Hot Dip Galvanizing, Add	12.27	
			For High Strength Low Alloy A572-50 Steel, Add	5.64	
			For High Strength Low Alloy A588 Steel, Add	12.54	
			For Each Additional Top Copes >2, Add	0.44	
			For Structural Tees, WT, MT Or ST, Deduct	-19.17	
			For Skewed Or Sloped Connections, Add	7.52	
05 12 23 00-0349	LF		W8 x 10 A992/A36 Structural Beam Or Girder .....	37.07	12.40
			For Hot Dip Galvanizing, Add	6.65	
			For High Strength Low Alloy A572-50 Steel, Add	3.34	
			For High Strength Low Alloy A588 Steel, Add	7.41	
			For Each Additional Top Copes >2, Add	0.24	
			For Structural Tees, WT, MT Or ST, Deduct	-11.01	
			For Skewed Or Sloped Connections, Add	4.45	
05 12 23 00-0350	LF		W6 x 9 A992/A36 Structural Beam Or Girder .....	34.37	10.13
			For Hot Dip Galvanizing, Add	6.56	
			For High Strength Low Alloy A572-50 Steel, Add	3.09	
			For High Strength Low Alloy A588 Steel, Add	6.87	
			For Each Additional Top Copes >2, Add	0.24	
			For Structural Tees, WT, MT Or ST, Deduct	-10.42	
			For Skewed Or Sloped Connections, Add	4.12	
05 12 23 00-0351			<b>A992/A36 Structural Steel, M Shapes</b> (05 12 23 00-0133)		
			Note: Includes material delivery and erection.		
05 12 23 00-0352	LF		M14 x 18 A992/A36 Structural Steel .....	66.15	15.90
			For Hot Dip Galvanizing, Add	13.65	
			For High Strength Low Alloy A572-50 Steel, Add	5.95	
			For High Strength Low Alloy A588 Grade B Steel, Add	13.23	
05 12 23 00-0353	LF		M12 x 11.8 A992/A36 Structural Steel .....	47.25	14.06
			For Hot Dip Galvanizing, Add	8.95	
			For High Strength Low Alloy A572-50 Steel, Add	4.25	
			For High Strength Low Alloy A588 Grade B Steel, Add	9.45	
05 12 23 00-0354	LF		M10 x 9 A992/A36 Structural Steel .....	36.63	11.29
			For Hot Dip Galvanizing, Add	6.83	
			For High Strength Low Alloy A572-50 Steel, Add	3.30	
			For High Strength Low Alloy A588 Grade B Steel, Add	7.33	
05 12 23 00-0355	LF		M8 x 6.5 A992/A36 Structural Steel .....	26.46	8.15
			For Hot Dip Galvanizing, Add	4.93	
			For High Strength Low Alloy A572-50 Steel, Add	2.38	
			For High Strength Low Alloy A588 Grade B Steel, Add	5.29	
05 12 23 00-0356	LF		M6 x 20 A992/A36 Structural Steel .....	74.94	19.20
			For Hot Dip Galvanizing, Add	15.17	
			For High Strength Low Alloy A572-50 Steel, Add	6.74	
			For High Strength Low Alloy A588 Grade B Steel, Add	14.99	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0357	LF		M6 x 4.4 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	17.89 3.33 1.61 3.58	5.51
05 12 23 00-0358	LF		M5 x 18.9 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	72.08 14.31 6.49 14.42	19.20
05 12 23 00-0359	LF		M4 x 13 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	58.92 10.79 5.30 11.78	18.84
<b>05 12 23 00-0360 A992/A36 Structural Steel, S Shapes</b> <small>(05 12 23 00-0133)</small>					
Note: Includes material delivery and erection.					
05 12 23 00-0361	LF		S24 x 121 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	399.15 86.93 35.92 79.83	80.55
05 12 23 00-0362	LF		S24 x 106 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	353.62 76.15 31.83 70.72	74.28
05 12 23 00-0363	LF		S24 x 100 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	337.54 71.84 30.38 67.51	73.75
05 12 23 00-0364	LF		S24 x 90 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	307.51 64.66 27.68 61.50	69.87
05 12 23 00-0365	LF		S24 x 80 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	276.82 57.48 24.91 55.36	65.39
05 12 23 00-0366	LF		S20 x 96 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	324.04 68.97 29.16 64.81	70.81
05 12 23 00-0367	LF		S20 x 86 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	293.84 61.79 26.45 58.77	66.77
05 12 23 00-0368	LF		S20 x 75 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	259.52 53.88 23.36 51.90	61.30
05 12 23 00-0369	LF		S20 x 66 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	231.40 47.42 20.83 46.28	56.78
05 12 23 00-0370	LF		S18 x 70 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	245.44 50.29 22.09 49.09	60.22
05 12 23 00-0371	LF		S18 x 54.7 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	194.43 39.30 17.50 38.89	49.53
05 12 23 00-0372	LF		S15 x 50 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	180.26 35.92 16.22 36.05	47.66
05 12 23 00-0373	LF		S15 x 42.9 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	156.96 30.82 14.13 31.39	43.04
05 12 23 00-0374	LF		S12 x 50 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	177.73 35.92 16.00 35.55	45.28
05 12 23 00-0375	LF		S12 x 40.8 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	147.09 29.31 13.24 29.42	38.89
05 12 23 00-0376	LF		S12 x 35 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	128.05 25.14 11.52 25.61	35.12
05 12 23 00-0377	LF		S12 x 31.8 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	118.14 22.85 10.63 23.63	33.59

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0378	LF		S10 x 35 A992/A36 Structural Steel.....	130.03	36.97
			<i>For Hot Dip Galvanizing, Add</i>	25.14	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.70	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	26.01	
05 12 23 00-0379	LF		S10 x 25.4 A992/A36 Structural Steel.....	95.87	28.24
			<i>For Hot Dip Galvanizing, Add</i>	18.25	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.63	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	19.17	
05 12 23 00-0380	LF		S8 x 23 A992/A36 Structural Steel.....	86.81	25.57
			<i>For Hot Dip Galvanizing, Add</i>	16.53	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.81	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	17.36	
05 12 23 00-0381	LF		S8 x 18.4 A992/A36 Structural Steel.....	70.60	21.54
			<i>For Hot Dip Galvanizing, Add</i>	13.22	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.35	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	14.12	
05 12 23 00-0382	LF		S7 x 20 A992/A36 Structural Steel.....	76.73	23.40
			<i>For Hot Dip Galvanizing, Add</i>	14.37	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.91	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	15.35	
05 12 23 00-0383	LF		S7 x 15.3 A992/A36 Structural Steel.....	59.71	18.86
			<i>For Hot Dip Galvanizing, Add</i>	10.99	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.37	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	11.94	
05 12 23 00-0384	LF		S6 x 17.25 A992/A36 Structural Steel.....	66.13	20.14
			<i>For Hot Dip Galvanizing, Add</i>	12.39	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.95	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	13.23	
05 12 23 00-0385	LF		S6 x 12.5 A992/A36 Structural Steel.....	56.54	18.60
			<i>For Hot Dip Galvanizing, Add</i>	10.16	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.09	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	11.31	
05 12 23 00-0386	LF		S5 x 14.75 A992/A36 Structural Steel.....	60.31	18.96
			<i>For Hot Dip Galvanizing, Add</i>	11.14	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.43	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	12.06	
05 12 23 00-0387	LF		S5 x 10 A992/A36 Structural Steel.....	50.96	18.48
			<i>For Hot Dip Galvanizing, Add</i>	8.65	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.59	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	10.19	
05 12 23 00-0388	LF		S4 x 9.5 A992/A36 Structural Steel.....	49.51	18.48
			<i>For Hot Dip Galvanizing, Add</i>	8.25	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.46	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	9.90	
05 12 23 00-0389	LF		S4 x 7.7 A992/A36 Structural Steel.....	46.19	18.48
			<i>For Hot Dip Galvanizing, Add</i>	7.36	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.16	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	9.24	
05 12 23 00-0390	LF		S3 x 7.5 A992/A36 Structural Steel.....	45.87	18.48
			<i>For Hot Dip Galvanizing, Add</i>	7.27	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.13	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	9.17	
05 12 23 00-0391	LF		S3 x 5.7 A992/A36 Structural Steel.....	41.89	18.37
			<i>For Hot Dip Galvanizing, Add</i>	6.20	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	3.77	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	8.38	
05 12 23 00-0392			<b>A992/A36 Structural Steel, HP Shapes</b> (05 12 23 00-0133)		
			Note: Includes material delivery and erection.		
05 12 23 00-0393	LF		HP14 x 117 A992/A36 Structural Steel.....	247.94	23.87
			<i>For Hot Dip Galvanizing, Add</i>	61.74	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	22.31	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	49.59	
05 12 23 00-0394	LF		HP14 x 102 A992/A36 Structural Steel.....	216.83	22.20
			<i>For Hot Dip Galvanizing, Add</i>	53.60	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.51	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	43.37	
05 12 23 00-0395	LF		HP14 x 89 A992/A36 Structural Steel.....	193.10	20.83
			<i>For Hot Dip Galvanizing, Add</i>	47.42	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.38	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	38.62	
05 12 23 00-0396	LF		HP14 x 73 A992/A36 Structural Steel.....	159.68	19.63
			<i>For Hot Dip Galvanizing, Add</i>	38.51	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.37	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	31.94	
05 12 23 00-0397	LF		HP13 x 100 A992/A36 Structural Steel.....	212.59	21.77
			<i>For Hot Dip Galvanizing, Add</i>	52.55	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.13	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	42.52	
05 12 23 00-0398	LF		HP13 x 87 A992/A36 Structural Steel.....	188.77	20.37
			<i>For Hot Dip Galvanizing, Add</i>	46.36	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.99	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	37.75	





	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0399	LF HP13 x 73 A992/A36 Structural Steel.....		159.68	19.63
	<i>For Hot Dip Galvanizing, Add</i>		38.51	
	<i>For High Strength Low Alloy A572-50 Steel, Add</i>		14.37	
	<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		31.94	
05 12 23 00-0400	LF HP13 x 60 A992/A36 Structural Steel.....		135.12	18.82
	<i>For Hot Dip Galvanizing, Add</i>		31.93	
	<i>For High Strength Low Alloy A572-50 Steel, Add</i>		12.16	
	<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		27.02	
05 12 23 00-0401	LF HP12 x 84 A992/A36 Structural Steel.....		177.90	21.47
	<i>For Hot Dip Galvanizing, Add</i>		43.02	
	<i>For High Strength Low Alloy A572-50 Steel, Add</i>		16.01	
	<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		35.58	
05 12 23 00-0402	LF HP12 x 74 A992/A36 Structural Steel.....		157.08	20.25
	<i>For Hot Dip Galvanizing, Add</i>		37.60	
	<i>For High Strength Low Alloy A572-50 Steel, Add</i>		14.14	
	<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		31.42	
05 12 23 00-0403	LF HP12 x 63 A992/A36 Structural Steel.....		135.12	18.62
	<i>For Hot Dip Galvanizing, Add</i>		31.99	
	<i>For High Strength Low Alloy A572-50 Steel, Add</i>		12.16	
	<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		27.02	
05 12 23 00-0404	LF HP12 x 53 A992/A36 Structural Steel.....		123.85	17.71
	<i>For Hot Dip Galvanizing, Add</i>		29.13	
	<i>For High Strength Low Alloy A572-50 Steel, Add</i>		11.15	
	<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		24.77	
05 12 23 00-0405	LF HP10 x 57 A992/A36 Structural Steel.....		130.50	18.17
	<i>For Hot Dip Galvanizing, Add</i>		30.84	
	<i>For High Strength Low Alloy A572-50 Steel, Add</i>		11.75	
	<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		26.10	
05 12 23 00-0406	LF HP10 x 42 A992/A36 Structural Steel.....		107.39	17.03
	<i>For Hot Dip Galvanizing, Add</i>		24.76	
	<i>For High Strength Low Alloy A572-50 Steel, Add</i>		9.67	
	<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		21.48	
05 12 23 00-0407	LF HP8 x 36 A992/A36 Structural Steel.....		93.27	16.05
	<i>For Hot Dip Galvanizing, Add</i>		21.13	
	<i>For High Strength Low Alloy A572-50 Steel, Add</i>		8.39	
	<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		18.65	
05 12 23 00-0408	<b>Lightweight Framing Steel Shapes</b> <small>(05 12 23)</small>			
	<small>Note: Includes cutting to length. Excludes fasteners or welds. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.</small>			
05 12 23 00-0409	<b>Angle Iron - L</b> <small>(05 12 23 00-0408)</small>			
05 12 23 00-0410	<b>1/8" Thick</b> <small>(05 12 23 00-0409)</small>			
05 12 23 00-0411	LF 1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron.....		2.79	1.63
	<i>For &gt;100 To 250, Deduct</i>		-0.16	
	<i>For &gt;250 To 500, Deduct</i>		-0.23	
	<i>For &gt;500 To 1,000, Deduct</i>		-0.36	
	<i>For &gt;1,000, Deduct</i>		-0.48	
	<i>For Galvanized Steel, Add</i>		0.38	
	<i>For 304 Stainless Steel, Add</i>		1.74	
	<i>For High Strength Steel (HSS), Add</i>		0.56	
05 12 23 00-0412	LF 3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron.....		3.23	1.84
	<i>For &gt;100 To 250, Deduct</i>		-0.18	
	<i>For &gt;250 To 500, Deduct</i>		-0.27	
	<i>For &gt;500 To 1,000, Deduct</i>		-0.41	
	<i>For &gt;1,000, Deduct</i>		-0.55	
	<i>For Galvanized Steel, Add</i>		0.48	
	<i>For 304 Stainless Steel, Add</i>		2.19	
	<i>For High Strength Steel (HSS), Add</i>		0.65	
05 12 23 00-0413	LF 3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron.....		3.67	2.04
	<i>For &gt;100 To 250, Deduct</i>		-0.20	
	<i>For &gt;250 To 500, Deduct</i>		-0.30	
	<i>For &gt;500 To 1,000, Deduct</i>		-0.46	
	<i>For &gt;1,000, Deduct</i>		-0.62	
	<i>For Galvanized Steel, Add</i>		0.59	
	<i>For 304 Stainless Steel, Add</i>		2.71	
	<i>For High Strength Steel (HSS), Add</i>		0.73	
05 12 23 00-0414	LF 1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron.....		4.12	2.27
	<i>For &gt;100 To 250, Deduct</i>		-0.23	
	<i>For &gt;250 To 500, Deduct</i>		-0.33	
	<i>For &gt;500 To 1,000, Deduct</i>		-0.51	
	<i>For &gt;1,000, Deduct</i>		-0.69	
	<i>For Galvanized Steel, Add</i>		0.68	
	<i>For 304 Stainless Steel, Add</i>		3.14	
	<i>For High Strength Steel (HSS), Add</i>		0.82	
05 12 23 00-0415	LF 1" x 1" x 1/8" Thick, Plain Steel Angle Iron.....		4.54	2.45
	<i>For &gt;100 To 250, Deduct</i>		-0.24	
	<i>For &gt;250 To 500, Deduct</i>		-0.36	
	<i>For &gt;500 To 1,000, Deduct</i>		-0.55	
	<i>For &gt;1,000, Deduct</i>		-0.75	
	<i>For Galvanized Steel, Add</i>		0.79	
	<i>For 304 Stainless Steel, Add</i>		3.65	
	<i>For High Strength Steel (HSS), Add</i>		0.91	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0416	LF		1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron .....	5.46	2.88
			<i>For &gt;100 To 250, Deduct</i>	-0.29	
			<i>For &gt;250 To 500, Deduct</i>	-0.42	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.66	
			<i>For &gt;1,000, Deduct</i>	-0.89	
			<i>For Galvanized Steel, Add</i>	1.00	
			<i>For 304 Stainless Steel, Add</i>	4.62	
			<i>For High Strength Steel (HSS), Add</i>	1.09	
05 12 23 00-0417	LF		1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron .....	5.46	2.88
			<i>For &gt;100 To 250, Deduct</i>	-0.29	
			<i>For &gt;250 To 500, Deduct</i>	-0.42	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.66	
			<i>For &gt;1,000, Deduct</i>	-0.89	
			<i>For Galvanized Steel, Add</i>	1.00	
			<i>For 304 Stainless Steel, Add</i>	4.62	
			<i>For High Strength Steel (HSS), Add</i>	1.09	
05 12 23 00-0418	LF		1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron .....	6.55	3.45
			<i>For &gt;100 To 250, Deduct</i>	-0.35	
			<i>For &gt;250 To 500, Deduct</i>	-0.51	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.79	
			<i>For &gt;1,000, Deduct</i>	-1.07	
			<i>For Galvanized Steel, Add</i>	1.21	
			<i>For 304 Stainless Steel, Add</i>	5.56	
			<i>For High Strength Steel (HSS), Add</i>	1.31	
05 12 23 00-0419	LF		2" x 2" x 1/8" Thick, Plain Steel Angle Iron.....	8.91	4.69
			<i>For &gt;100 To 250, Deduct</i>	-0.47	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.07	
			<i>For &gt;1,000, Deduct</i>	-1.45	
			<i>For Galvanized Steel, Add</i>	1.65	
			<i>For 304 Stainless Steel, Add</i>	7.58	
			<i>For High Strength Steel (HSS), Add</i>	1.78	
<b>05 12 23 00-0420</b>			<b>3/16" Thick</b> <small>(05 12 23 00-0409)</small>		
05 12 23 00-0421	LF		1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron .....	6.43	3.04
			<i>For &gt;100 To 250, Deduct</i>	-0.30	
			<i>For &gt;250 To 500, Deduct</i>	-0.46	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.73	
			<i>For &gt;1,000, Deduct</i>	-0.99	
			<i>For Galvanized Steel, Add</i>	1.48	
			<i>For 304 Stainless Steel, Add</i>	6.78	
			<i>For High Strength Steel (HSS), Add</i>	1.29	
05 12 23 00-0422	LF		1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron .....	6.43	3.04
			<i>For &gt;100 To 250, Deduct</i>	-0.30	
			<i>For &gt;250 To 500, Deduct</i>	-0.46	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.73	
			<i>For &gt;1,000, Deduct</i>	-0.99	
			<i>For Galvanized Steel, Add</i>	1.48	
			<i>For 304 Stainless Steel, Add</i>	6.78	
			<i>For High Strength Steel (HSS), Add</i>	1.29	
05 12 23 00-0423	LF		1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron .....	7.23	3.26
			<i>For &gt;100 To 250, Deduct</i>	-0.33	
			<i>For &gt;250 To 500, Deduct</i>	-0.51	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.80	
			<i>For &gt;1,000, Deduct</i>	-1.08	
			<i>For Galvanized Steel, Add</i>	1.79	
			<i>For 304 Stainless Steel, Add</i>	8.24	
			<i>For High Strength Steel (HSS), Add</i>	1.45	
05 12 23 00-0424	LF		2" x 2" x 3/16" Thick, Plain Steel Angle Iron.....	8.59	3.50
			<i>For &gt;100 To 250, Deduct</i>	-0.35	
			<i>For &gt;250 To 500, Deduct</i>	-0.56	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.90	
			<i>For &gt;1,000, Deduct</i>	-1.23	
			<i>For Galvanized Steel, Add</i>	2.44	
			<i>For 304 Stainless Steel, Add</i>	11.20	
			<i>For High Strength Steel (HSS), Add</i>	1.72	
05 12 23 00-0425	LF		2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron .....	9.42	3.74
			<i>For &gt;100 To 250, Deduct</i>	-0.37	
			<i>For &gt;250 To 500, Deduct</i>	-0.61	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.97	
			<i>For &gt;1,000, Deduct</i>	-1.33	
			<i>For Galvanized Steel, Add</i>	2.75	
			<i>For 304 Stainless Steel, Add</i>	12.63	
			<i>For High Strength Steel (HSS), Add</i>	1.88	
05 12 23 00-0426	LF		2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron .....	10.29	4.01
			<i>For &gt;100 To 250, Deduct</i>	-0.40	
			<i>For &gt;250 To 500, Deduct</i>	-0.66	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.05	
			<i>For &gt;1,000, Deduct</i>	-1.44	
			<i>For Galvanized Steel, Add</i>	3.07	
			<i>For 304 Stainless Steel, Add</i>	14.11	
			<i>For High Strength Steel (HSS), Add</i>	2.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0427 LF 3" x 2" x 3/16" Thick, Plain Steel Angle Iron .....	10.28	4.01
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.66	
For >500 To 1,000, Deduct	-1.05	
For >1,000, Deduct	-1.44	
For Galvanized Steel, Add	3.06	
For 304 Stainless Steel, Add	14.08	
For High Strength Steel (HSS), Add	2.06	
05 12 23 00-0428 LF 3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron .....	11.37	4.42
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.73	
For >500 To 1,000, Deduct	-1.16	
For >1,000, Deduct	-1.59	
For Galvanized Steel, Add	3.39	
For 304 Stainless Steel, Add	15.56	
For High Strength Steel (HSS), Add	2.27	
05 12 23 00-0429 LF 3" x 3" x 3/16" Thick, Plain Steel Angle Iron .....	12.43	4.85
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.80	
For >500 To 1,000, Deduct	-1.27	
For >1,000, Deduct	-1.74	
For Galvanized Steel, Add	3.70	
For 304 Stainless Steel, Add	17.01	
For High Strength Steel (HSS), Add	2.49	
<b>05 12 23 00-0430 1/4" Thick</b> <small>(05 12 23 00-0409)</small>		
05 12 23 00-0431 LF 1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron .....	7.33	3.21
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.50	
For >500 To 1,000, Deduct	-0.79	
For >1,000, Deduct	-1.08	
For Galvanized Steel, Add	1.89	
For 304 Stainless Steel, Add	8.69	
For High Strength Steel (HSS), Add	1.47	
05 12 23 00-0432 LF 1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	8.32	3.44
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.55	
For >500 To 1,000, Deduct	-0.88	
For >1,000, Deduct	-1.20	
For Galvanized Steel, Add	2.31	
For 304 Stainless Steel, Add	10.63	
For High Strength Steel (HSS), Add	1.66	
05 12 23 00-0433 LF 2" x 2" x 1/4" Thick, Plain Steel Angle Iron .....	10.01	3.67
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.62	
For >500 To 1,000, Deduct	-0.99	
For >1,000, Deduct	-1.36	
For Galvanized Steel, Add	3.17	
For 304 Stainless Steel, Add	14.59	
For High Strength Steel (HSS), Add	2.00	
05 12 23 00-0434 LF 2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron .....	11.25	4.06
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.69	
For >500 To 1,000, Deduct	-1.10	
For >1,000, Deduct	-1.52	
For Galvanized Steel, Add	3.61	
For 304 Stainless Steel, Add	16.62	
For High Strength Steel (HSS), Add	2.25	
05 12 23 00-0435 LF 2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	12.52	4.45
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.76	
For >500 To 1,000, Deduct	-1.22	
For >1,000, Deduct	-1.68	
For Galvanized Steel, Add	4.08	
For 304 Stainless Steel, Add	18.75	
For High Strength Steel (HSS), Add	2.50	
05 12 23 00-0436 LF 3" x 2" x 1/4" Thick, Plain Steel Angle Iron .....	12.52	4.45
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.76	
For >500 To 1,000, Deduct	-1.22	
For >1,000, Deduct	-1.68	
For Galvanized Steel, Add	4.08	
For 304 Stainless Steel, Add	18.75	
For High Strength Steel (HSS), Add	2.50	
05 12 23 00-0437 LF 3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	13.83	4.95
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.84	
For >500 To 1,000, Deduct	-1.35	
For >1,000, Deduct	-1.86	
For Galvanized Steel, Add	4.49	
For 304 Stainless Steel, Add	20.63	
For High Strength Steel (HSS), Add	2.77	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0438	LF		3" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	15.12	5.43
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-0.92	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.48	
			<i>For &gt;1,000, Deduct</i>	-2.04	
			<i>For Galvanized Steel, Add</i>	4.88	
			<i>For 304 Stainless Steel, Add</i>	22.43	
			<i>For High Strength Steel (HSS), Add</i>	3.02	
05 12 23 00-0439	LF		3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron .....	16.46	5.84
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.60	
			<i>For &gt;1,000, Deduct</i>	-2.21	
			<i>For Galvanized Steel, Add</i>	5.38	
			<i>For 304 Stainless Steel, Add</i>	24.71	
			<i>For High Strength Steel (HSS), Add</i>	3.29	
05 12 23 00-0440	LF		3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	17.47	0.61
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-1.05	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.69	
			<i>For &gt;1,000, Deduct</i>	-2.33	
			<i>For Galvanized Steel, Add</i>	5.79	
			<i>For 304 Stainless Steel, Add</i>	26.62	
			<i>For High Strength Steel (HSS), Add</i>	3.49	
05 12 23 00-0441	LF		4" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	17.47	6.10
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-1.05	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.69	
			<i>For &gt;1,000, Deduct</i>	-2.33	
			<i>For Galvanized Steel, Add</i>	5.79	
			<i>For 304 Stainless Steel, Add</i>	26.62	
			<i>For High Strength Steel (HSS), Add</i>	3.49	
05 12 23 00-0442	LF		4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	18.43	6.36
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-1.10	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.77	
			<i>For &gt;1,000, Deduct</i>	-2.44	
			<i>For Galvanized Steel, Add</i>	6.17	
			<i>For 304 Stainless Steel, Add</i>	28.36	
			<i>For High Strength Steel (HSS), Add</i>	3.69	
05 12 23 00-0443	LF		4" x 4" x 1/4" Thick, Plain Steel Angle Iron.....	19.46	6.63
			<i>For &gt;100 To 250, Deduct</i>	-0.66	
			<i>For &gt;250 To 500, Deduct</i>	-1.15	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.86	
			<i>For &gt;1,000, Deduct</i>	-2.56	
			<i>For Galvanized Steel, Add</i>	6.58	
			<i>For 304 Stainless Steel, Add</i>	30.27	
			<i>For High Strength Steel (HSS), Add</i>	3.89	
05 12 23 00-0444	LF		5" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	19.46	6.63
			<i>For &gt;100 To 250, Deduct</i>	-0.66	
			<i>For &gt;250 To 500, Deduct</i>	-1.15	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.86	
			<i>For &gt;1,000, Deduct</i>	-2.56	
			<i>For Galvanized Steel, Add</i>	6.58	
			<i>For 304 Stainless Steel, Add</i>	30.27	
			<i>For High Strength Steel (HSS), Add</i>	3.89	
05 12 23 00-0445	LF		5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	20.55	6.98
			<i>For &gt;100 To 250, Deduct</i>	-0.70	
			<i>For &gt;250 To 500, Deduct</i>	-1.21	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.96	
			<i>For &gt;1,000, Deduct</i>	-2.71	
			<i>For Galvanized Steel, Add</i>	6.97	
			<i>For 304 Stainless Steel, Add</i>	32.03	
			<i>For High Strength Steel (HSS), Add</i>	4.11	
05 12 23 00-0446			<b>5/16" Thick</b> <small>(05 12 23 00-0409)</small>		
05 12 23 00-0447	LF		2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron .....	13.53	4.72
			<i>For &gt;100 To 250, Deduct</i>	-0.47	
			<i>For &gt;250 To 500, Deduct</i>	-0.81	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.31	
			<i>For &gt;1,000, Deduct</i>	-1.80	
			<i>For Galvanized Steel, Add</i>	4.49	
			<i>For 304 Stainless Steel, Add</i>	20.63	
			<i>For High Strength Steel (HSS), Add</i>	2.71	
05 12 23 00-0448	LF		2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	14.72	5.01
			<i>For &gt;100 To 250, Deduct</i>	-0.50	
			<i>For &gt;250 To 500, Deduct</i>	-0.87	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.40	
			<i>For &gt;1,000, Deduct</i>	-1.94	
			<i>For Galvanized Steel, Add</i>	4.99	
			<i>For 304 Stainless Steel, Add</i>	22.94	
			<i>For High Strength Steel (HSS), Add</i>	2.94	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0449 LF 3" x 2" x 5/16" Thick, Plain Steel Angle Iron .....	14.72	5.01
For >100 To 250, Deduct	-0.50	
For >250 To 500, Deduct	-0.87	
For >500 To 1,000, Deduct	-1.40	
For >1,000, Deduct	-1.94	
For Galvanized Steel, Add	4.99	
For 304 Stainless Steel, Add	22.94	
For High Strength Steel (HSS), Add	2.94	
05 12 23 00-0450 LF 3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	16.33	5.49
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.96	
For >500 To 1,000, Deduct	-1.55	
For >1,000, Deduct	-2.14	
For Galvanized Steel, Add	5.59	
For 304 Stainless Steel, Add	25.68	
For High Strength Steel (HSS), Add	3.27	
05 12 23 00-0451 LF 3" x 3" x 5/16" Thick, Plain Steel Angle Iron .....	17.77	5.97
For >100 To 250, Deduct	-0.60	
For >250 To 500, Deduct	-1.04	
For >500 To 1,000, Deduct	-1.68	
For >1,000, Deduct	-2.33	
For Galvanized Steel, Add	6.09	
For 304 Stainless Steel, Add	27.99	
For High Strength Steel (HSS), Add	3.55	
05 12 23 00-0452 LF 3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron .....	18.97	6.27
For >100 To 250, Deduct	-0.63	
For >250 To 500, Deduct	-1.10	
For >500 To 1,000, Deduct	-1.78	
For >1,000, Deduct	-2.47	
For Galvanized Steel, Add	6.58	
For 304 Stainless Steel, Add	30.27	
For High Strength Steel (HSS), Add	3.79	
05 12 23 00-0453 LF 3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	20.33	6.58
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-1.17	
For >500 To 1,000, Deduct	-1.89	
For >1,000, Deduct	-2.62	
For Galvanized Steel, Add	7.17	
For 304 Stainless Steel, Add	32.95	
For High Strength Steel (HSS), Add	4.07	
05 12 23 00-0454 LF 4" x 3" x 5/16" Thick, Plain Steel Angle Iron .....	20.33	6.58
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-1.17	
For >500 To 1,000, Deduct	-1.89	
For >1,000, Deduct	-2.62	
For Galvanized Steel, Add	7.17	
For 304 Stainless Steel, Add	32.95	
For High Strength Steel (HSS), Add	4.07	
05 12 23 00-0455 LF 4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	21.63	6.95
For >100 To 250, Deduct	-0.70	
For >250 To 500, Deduct	-1.24	
For >500 To 1,000, Deduct	-2.01	
For >1,000, Deduct	-2.78	
For Galvanized Steel, Add	7.66	
For 304 Stainless Steel, Add	35.23	
For High Strength Steel (HSS), Add	4.33	
05 12 23 00-0456 LF 4" x 4" x 5/16" Thick, Plain Steel Angle Iron .....	22.89	7.27
For >100 To 250, Deduct	-0.73	
For >250 To 500, Deduct	-1.30	
For >500 To 1,000, Deduct	-2.11	
For >1,000, Deduct	-2.93	
For Galvanized Steel, Add	8.18	
For 304 Stainless Steel, Add	37.62	
For High Strength Steel (HSS), Add	4.58	
05 12 23 00-0457 LF 5" x 3" x 5/16" Thick, Plain Steel Angle Iron .....	22.89	7.27
For >100 To 250, Deduct	-0.73	
For >250 To 500, Deduct	-1.30	
For >500 To 1,000, Deduct	-2.11	
For >1,000, Deduct	-2.93	
For Galvanized Steel, Add	8.18	
For 304 Stainless Steel, Add	37.62	
For High Strength Steel (HSS), Add	4.58	
05 12 23 00-0458 LF 5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	24.06	7.57
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-1.36	
For >500 To 1,000, Deduct	-2.21	
For >1,000, Deduct	-3.07	
For Galvanized Steel, Add	8.66	
For 304 Stainless Steel, Add	39.81	
For High Strength Steel (HSS), Add	4.81	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0459	LF		5" x 5" x 5/16" Thick, Plain Steel Angle Iron.....	27.09	7.89
			<i>For &gt;100 To 250, Deduct</i>	-0.79	
			<i>For &gt;250 To 500, Deduct</i>	-1.47	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.41	
			<i>For &gt;1,000, Deduct</i>	-3.35	
			<i>For Galvanized Steel, Add</i>	10.28	
			<i>For 304 Stainless Steel, Add</i>	47.25	
			<i>For High Strength Steel (HSS), Add</i>	5.42	
05 12 23 00-0460	LF		6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	26.69	8.21
			<i>For &gt;100 To 250, Deduct</i>	-0.82	
			<i>For &gt;250 To 500, Deduct</i>	-1.49	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.43	
			<i>For &gt;1,000, Deduct</i>	-3.37	
			<i>For Galvanized Steel, Add</i>	9.75	
			<i>For 304 Stainless Steel, Add</i>	44.83	
			<i>For High Strength Steel (HSS), Add</i>	5.34	
<b>05 12 23 00-0461</b>			<b>3/8" Thick (05 12 23 00-0409)</b>		
05 12 23 00-0462	LF		3" x 2" x 3/8" Thick, Plain Steel Angle Iron.....	16.45	5.24
			<i>For &gt;100 To 250, Deduct</i>	-0.52	
			<i>For &gt;250 To 500, Deduct</i>	-0.93	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.52	
			<i>For &gt;1,000, Deduct</i>	-2.11	
			<i>For Galvanized Steel, Add</i>	5.87	
			<i>For 304 Stainless Steel, Add</i>	26.99	
			<i>For High Strength Steel (HSS), Add</i>	3.29	
05 12 23 00-0463	LF		3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	18.19	5.67
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.02	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.67	
			<i>For &gt;1,000, Deduct</i>	-2.31	
			<i>For Galvanized Steel, Add</i>	6.58	
			<i>For 304 Stainless Steel, Add</i>	30.27	
			<i>For High Strength Steel (HSS), Add</i>	3.64	
05 12 23 00-0464	LF		3" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	19.71	6.11
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-1.10	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.80	
			<i>For &gt;1,000, Deduct</i>	-2.50	
			<i>For Galvanized Steel, Add</i>	7.17	
			<i>For 304 Stainless Steel, Add</i>	32.95	
			<i>For High Strength Steel (HSS), Add</i>	3.94	
05 12 23 00-0465	LF		3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron .....	21.09	6.28
			<i>For &gt;100 To 250, Deduct</i>	-0.63	
			<i>For &gt;250 To 500, Deduct</i>	-1.16	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.89	
			<i>For &gt;1,000, Deduct</i>	-2.63	
			<i>For Galvanized Steel, Add</i>	7.89	
			<i>For 304 Stainless Steel, Add</i>	36.25	
			<i>For High Strength Steel (HSS), Add</i>	4.22	
05 12 23 00-0466	LF		3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	22.48	6.62
			<i>For &gt;100 To 250, Deduct</i>	-0.66	
			<i>For &gt;250 To 500, Deduct</i>	-1.22	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.01	
			<i>For &gt;1,000, Deduct</i>	-2.79	
			<i>For Galvanized Steel, Add</i>	8.46	
			<i>For 304 Stainless Steel, Add</i>	38.90	
			<i>For High Strength Steel (HSS), Add</i>	4.50	
05 12 23 00-0467	LF		4" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	22.48	6.62
			<i>For &gt;100 To 250, Deduct</i>	-0.66	
			<i>For &gt;250 To 500, Deduct</i>	-1.22	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.01	
			<i>For &gt;1,000, Deduct</i>	-2.79	
			<i>For Galvanized Steel, Add</i>	8.46	
			<i>For 304 Stainless Steel, Add</i>	38.90	
			<i>For High Strength Steel (HSS), Add</i>	4.50	
05 12 23 00-0468	LF		4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	24.23	7.22
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-1.33	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.17	
			<i>For &gt;1,000, Deduct</i>	-3.02	
			<i>For Galvanized Steel, Add</i>	9.06	
			<i>For 304 Stainless Steel, Add</i>	41.64	
			<i>For High Strength Steel (HSS), Add</i>	4.85	
05 12 23 00-0469	LF		4" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	25.64	7.43
			<i>For &gt;100 To 250, Deduct</i>	-0.74	
			<i>For &gt;250 To 500, Deduct</i>	-1.38	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.27	
			<i>For &gt;1,000, Deduct</i>	-3.16	
			<i>For Galvanized Steel, Add</i>	9.75	
			<i>For 304 Stainless Steel, Add</i>	44.83	
			<i>For High Strength Steel (HSS), Add</i>	5.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0470 LF 5" x 3" x 3/8" Thick, Plain Steel Angle Iron .....	26.03	7.72
For >100 To 250, Deduct	-0.77	
For >250 To 500, Deduct	-1.42	
For >500 To 1,000, Deduct	-2.33	
For >1,000, Deduct	-3.24	
For Galvanized Steel, Add	9.75	
For 304 Stainless Steel, Add	44.83	
For High Strength Steel (HSS), Add	5.21	
05 12 23 00-0471 LF 5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	27.80	8.32
For >100 To 250, Deduct	-0.83	
For >250 To 500, Deduct	-1.53	
For >500 To 1,000, Deduct	-2.50	
For >1,000, Deduct	-3.47	
For Galvanized Steel, Add	10.35	
For 304 Stainless Steel, Add	47.60	
For High Strength Steel (HSS), Add	5.56	
05 12 23 00-0472 LF 5" x 5" x 3/8" Thick, Plain Steel Angle Iron .....	32.73	9.70
For >100 To 250, Deduct	-0.97	
For >250 To 500, Deduct	-1.79	
For >500 To 1,000, Deduct	-2.93	
For >1,000, Deduct	-4.07	
For Galvanized Steel, Add	12.28	
For 304 Stainless Steel, Add	56.43	
For High Strength Steel (HSS), Add	6.55	
05 12 23 00-0473 LF 6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	30.80	9.02
For >100 To 250, Deduct	-0.90	
For >250 To 500, Deduct	-1.67	
For >500 To 1,000, Deduct	-2.74	
For >1,000, Deduct	-3.81	
For Galvanized Steel, Add	11.64	
For 304 Stainless Steel, Add	53.52	
For High Strength Steel (HSS), Add	6.16	
05 12 23 00-0474 LF 6" x 4" x 3/8" Thick, Plain Steel Angle Iron .....	32.73	9.70
For >100 To 250, Deduct	-0.97	
For >250 To 500, Deduct	-1.79	
For >500 To 1,000, Deduct	-2.93	
For >1,000, Deduct	-4.07	
For Galvanized Steel, Add	12.28	
For 304 Stainless Steel, Add	56.43	
For High Strength Steel (HSS), Add	6.55	
05 12 23 00-0475 LF 6" x 6" x 3/8" Thick, Plain Steel Angle Iron .....	39.49	11.64
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-2.15	
For >500 To 1,000, Deduct	-3.53	
For >1,000, Deduct	-4.90	
For Galvanized Steel, Add	14.87	
For 304 Stainless Steel, Add	68.34	
For High Strength Steel (HSS), Add	7.90	
05 12 23 00-0476 LF 7" x 4" x 3/8" Thick, Plain Steel Angle Iron .....	36.11	10.67
For >100 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-1.97	
For >500 To 1,000, Deduct	-3.23	
For >1,000, Deduct	-4.49	
For Galvanized Steel, Add	13.57	
For 304 Stainless Steel, Add	62.36	
For High Strength Steel (HSS), Add	7.22	
<b>05 12 23 00-0477 1/2" Thick</b> <small>(05 12 23 00-0409)</small>		
05 12 23 00-0478 LF 3" x 3" x 1/2" Thick, Plain Steel Angle Iron .....	23.45	6.25
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-1.21	
For >500 To 1,000, Deduct	-2.00	
For >1,000, Deduct	-2.80	
For Galvanized Steel, Add	9.38	
For 304 Stainless Steel, Add	43.12	
For High Strength Steel (HSS), Add	4.69	
05 12 23 00-0479 LF 4" x 3" x 1/2" Thick, Plain Steel Angle Iron .....	27.71	7.38
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-1.43	
For >500 To 1,000, Deduct	-2.37	
For >1,000, Deduct	-3.31	
For Galvanized Steel, Add	11.08	
For 304 Stainless Steel, Add	50.93	
For High Strength Steel (HSS), Add	5.54	
05 12 23 00-0480 LF 4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron .....	29.69	7.90
For >100 To 250, Deduct	-0.79	
For >250 To 500, Deduct	-1.53	
For >500 To 1,000, Deduct	-2.54	
For >1,000, Deduct	-3.54	
For Galvanized Steel, Add	11.87	
For 304 Stainless Steel, Add	54.58	
For High Strength Steel (HSS), Add	5.94	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0481	LF		4" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	31.94	8.51
			<i>For &gt;100 To 250, Deduct</i>	-0.85	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.73	
			<i>For &gt;1,000, Deduct</i>	-3.81	
			<i>For Galvanized Steel, Add</i>	12.77	
			<i>For 304 Stainless Steel, Add</i>	58.71	
			<i>For High Strength Steel (HSS), Add</i>	6.39	
05 12 23 00-0482	LF		5" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	31.94	8.51
			<i>For &gt;100 To 250, Deduct</i>	-0.85	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.73	
			<i>For &gt;1,000, Deduct</i>	-3.81	
			<i>For Galvanized Steel, Add</i>	12.77	
			<i>For 304 Stainless Steel, Add</i>	58.71	
			<i>For High Strength Steel (HSS), Add</i>	6.39	
05 12 23 00-0483	LF		5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron .....	33.93	9.03
			<i>For &gt;100 To 250, Deduct</i>	-0.90	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.90	
			<i>For &gt;1,000, Deduct</i>	-4.05	
			<i>For Galvanized Steel, Add</i>	13.57	
			<i>For 304 Stainless Steel, Add</i>	62.39	
			<i>For High Strength Steel (HSS), Add</i>	6.79	
05 12 23 00-0484	LF		5" x 5" x 1/2" Thick, Plain Steel Angle Iron.....	40.42	10.76
			<i>For &gt;100 To 250, Deduct</i>	-1.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.46	
			<i>For &gt;1,000, Deduct</i>	-4.83	
			<i>For Galvanized Steel, Add</i>	16.16	
			<i>For 304 Stainless Steel, Add</i>	74.30	
			<i>For High Strength Steel (HSS), Add</i>	8.08	
05 12 23 00-0485	LF		6" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	40.42	10.76
			<i>For &gt;100 To 250, Deduct</i>	-1.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.46	
			<i>For &gt;1,000, Deduct</i>	-4.83	
			<i>For Galvanized Steel, Add</i>	16.16	
			<i>For 304 Stainless Steel, Add</i>	74.30	
			<i>For High Strength Steel (HSS), Add</i>	8.08	
05 12 23 00-0486	LF		6" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	48.90	13.02
			<i>For &gt;100 To 250, Deduct</i>	-1.30	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.18	
			<i>For &gt;1,000, Deduct</i>	-5.84	
			<i>For Galvanized Steel, Add</i>	19.55	
			<i>For 304 Stainless Steel, Add</i>	89.89	
			<i>For High Strength Steel (HSS), Add</i>	9.78	
05 12 23 00-0487	LF		7" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	44.65	11.89
			<i>For &gt;100 To 250, Deduct</i>	-1.19	
			<i>For &gt;250 To 500, Deduct</i>	-2.31	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.82	
			<i>For &gt;1,000, Deduct</i>	-5.33	
			<i>For Galvanized Steel, Add</i>	17.86	
			<i>For 304 Stainless Steel, Add</i>	82.08	
			<i>For High Strength Steel (HSS), Add</i>	8.93	
05 12 23 00-0488	LF		8" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	48.90	13.02
			<i>For &gt;100 To 250, Deduct</i>	-1.30	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.18	
			<i>For &gt;1,000, Deduct</i>	-5.84	
			<i>For Galvanized Steel, Add</i>	19.55	
			<i>For 304 Stainless Steel, Add</i>	89.89	
			<i>For High Strength Steel (HSS), Add</i>	9.78	
05 12 23 00-0489	LF		8" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	57.40	15.28
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-2.96	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.91	
			<i>For &gt;1,000, Deduct</i>	-6.85	
			<i>For Galvanized Steel, Add</i>	22.95	
			<i>For 304 Stainless Steel, Add</i>	105.51	
			<i>For High Strength Steel (HSS), Add</i>	11.48	
05 12 23 00-0490	LF		8" x 8" x 1/2" Thick, Plain Steel Angle Iron.....	65.86	17.54
			<i>For &gt;100 To 250, Deduct</i>	-1.75	
			<i>For &gt;250 To 500, Deduct</i>	-3.40	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.63	
			<i>For &gt;1,000, Deduct</i>	-7.86	
			<i>For Galvanized Steel, Add</i>	26.34	
			<i>For 304 Stainless Steel, Add</i>	121.07	
			<i>For High Strength Steel (HSS), Add</i>	13.17	

05 12 23 00-0491 5/8" Thick (05 12 23 00-0409)





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0492	LF		4" x 4" x 5/8" Thick, Plain Steel Angle Iron .....	38.27	9.75
			<i>For &gt;100 To 250, Deduct</i>	-0.98	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.21	
			<i>For &gt;1,000, Deduct</i>	-4.50	
			<i>For Galvanized Steel, Add</i>	15.67	
			<i>For High Strength Steel (HSS), Add</i>	7.65	
05 12 23 00-0493	LF		5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron .....	40.96	10.43
			<i>For &gt;100 To 250, Deduct</i>	-1.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.07	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.44	
			<i>For &gt;1,000, Deduct</i>	-4.81	
			<i>For Galvanized Steel, Add</i>	16.77	
			<i>For High Strength Steel (HSS), Add</i>	8.19	
05 12 23 00-0494	LF		5" x 5" x 5/8" Thick, Plain Steel Angle Iron .....	48.74	12.42
			<i>For &gt;100 To 250, Deduct</i>	-1.24	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.09	
			<i>For &gt;1,000, Deduct</i>	-5.73	
			<i>For Galvanized Steel, Add</i>	19.95	
			<i>For High Strength Steel (HSS), Add</i>	9.75	
05 12 23 00-0495	LF		6" x 4" x 5/8" Thick, Plain Steel Angle Iron .....	48.74	12.42
			<i>For &gt;100 To 250, Deduct</i>	-1.24	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.09	
			<i>For &gt;1,000, Deduct</i>	-5.73	
			<i>For Galvanized Steel, Add</i>	19.95	
			<i>For High Strength Steel (HSS), Add</i>	9.75	
05 12 23 00-0496	LF		6" x 6" x 5/8" Thick, Plain Steel Angle Iron .....	58.99	15.03
			<i>For &gt;100 To 250, Deduct</i>	-1.50	
			<i>For &gt;250 To 500, Deduct</i>	-2.98	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.95	
			<i>For &gt;1,000, Deduct</i>	-6.93	
			<i>For Galvanized Steel, Add</i>	24.15	
			<i>For High Strength Steel (HSS), Add</i>	11.80	
05 12 23 00-0497	LF		7" x 4" x 5/8" Thick, Plain Steel Angle Iron .....	53.86	13.72
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-2.72	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.52	
			<i>For &gt;1,000, Deduct</i>	-6.33	
			<i>For Galvanized Steel, Add</i>	22.05	
			<i>For High Strength Steel (HSS), Add</i>	10.77	
05 12 23 00-0498	LF		8" x 6" x 5/8" Thick, Plain Steel Angle Iron .....	69.46	17.70
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-3.51	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.83	
			<i>For &gt;1,000, Deduct</i>	-8.16	
			<i>For Galvanized Steel, Add</i>	28.44	
			<i>For High Strength Steel (HSS), Add</i>	13.89	
05 12 23 00-0499	LF		8" x 8" x 5/8" Thick, Plain Steel Angle Iron .....	79.70	20.30
			<i>For &gt;100 To 250, Deduct</i>	-2.03	
			<i>For &gt;250 To 500, Deduct</i>	-4.02	
			<i>For &gt;500 To 1,000, Deduct</i>	-6.69	
			<i>For &gt;1,000, Deduct</i>	-9.36	
			<i>For Galvanized Steel, Add</i>	32.63	
			<i>For High Strength Steel (HSS), Add</i>	15.94	
<b>05 12 23 00-0500</b>			<b>3/4" Thick</b> <small>(05 12 23 00-0499)</small>		
05 12 23 00-0501	LF		4" x 4" x 3/4" Thick, Plain Steel Angle Iron .....	44.15	10.77
			<i>For &gt;100 To 250, Deduct</i>	-1.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.18	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.64	
			<i>For &gt;1,000, Deduct</i>	-5.11	
			<i>For Galvanized Steel, Add</i>	18.47	
			<i>For High Strength Steel (HSS), Add</i>	8.83	
05 12 23 00-0502	LF		5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron .....	47.23	11.53
			<i>For &gt;100 To 250, Deduct</i>	-1.15	
			<i>For &gt;250 To 500, Deduct</i>	-2.33	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.90	
			<i>For &gt;1,000, Deduct</i>	-5.46	
			<i>For Galvanized Steel, Add</i>	19.75	
			<i>For High Strength Steel (HSS), Add</i>	9.45	
05 12 23 00-0503	LF		5" x 5" x 3/4" Thick, Plain Steel Angle Iron .....	56.30	13.74
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-2.78	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.65	
			<i>For &gt;1,000, Deduct</i>	-6.51	
			<i>For Galvanized Steel, Add</i>	23.55	
			<i>For High Strength Steel (HSS), Add</i>	11.26	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0504 LF 6" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	56.30	13.74
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-2.78	
For >500 To 1,000, Deduct	-4.65	
For >1,000, Deduct	-6.51	
For Galvanized Steel, Add	23.55	
For High Strength Steel (HSS), Add	11.26	
05 12 23 00-0505 LF 6" x 6" x 3/4" Thick, Plain Steel Angle Iron.....	68.46	16.70
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-3.38	
For >500 To 1,000, Deduct	-5.65	
For >1,000, Deduct	-7.92	
For Galvanized Steel, Add	28.64	
For High Strength Steel (HSS), Add	13.69	
05 12 23 00-0506 LF 7" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	62.49	15.25
For >100 To 250, Deduct	-1.52	
For >250 To 500, Deduct	-3.09	
For >500 To 1,000, Deduct	-5.16	
For >1,000, Deduct	-7.23	
For Galvanized Steel, Add	26.14	
For High Strength Steel (HSS), Add	12.50	
05 12 23 00-0507 LF 8" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	68.46	16.70
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-3.38	
For >500 To 1,000, Deduct	-5.65	
For >1,000, Deduct	-7.92	
For Galvanized Steel, Add	28.64	
For High Strength Steel (HSS), Add	13.69	
05 12 23 00-0508 LF 8" x 6" x 3/4" Thick, Plain Steel Angle Iron.....	80.64	19.67
For >100 To 250, Deduct	-1.97	
For >250 To 500, Deduct	-3.98	
For >500 To 1,000, Deduct	-6.66	
For >1,000, Deduct	-9.33	
For Galvanized Steel, Add	33.73	
For High Strength Steel (HSS), Add	16.13	
05 12 23 00-0509 LF 8" x 8" x 3/4" Thick, Plain Steel Angle Iron.....	92.80	22.64
For >100 To 250, Deduct	-2.26	
For >250 To 500, Deduct	-4.58	
For >500 To 1,000, Deduct	-7.66	
For >1,000, Deduct	-10.73	
For Galvanized Steel, Add	38.82	
For High Strength Steel (HSS), Add	18.56	
<b>05 12 23 00-0510 7/8" Thick (05 12 23 00-0409)</b>		
05 12 23 00-0511 LF 5" x 5" x 7/8" Thick, Plain Steel Angle Iron.....	63.47	14.77
For >100 To 250, Deduct	-1.48	
For >250 To 500, Deduct	-3.06	
For >500 To 1,000, Deduct	-5.14	
For >1,000, Deduct	-7.22	
For Galvanized Steel, Add	27.14	
For High Strength Steel (HSS), Add	12.69	
05 12 23 00-0512 LF 6" x 4" x 7/8" Thick, Plain Steel Angle Iron.....	63.47	14.77
For >100 To 250, Deduct	-1.48	
For >250 To 500, Deduct	-3.06	
For >500 To 1,000, Deduct	-5.14	
For >1,000, Deduct	-7.22	
For Galvanized Steel, Add	27.14	
For High Strength Steel (HSS), Add	12.69	
05 12 23 00-0513 LF 6" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	77.26	17.98
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-3.73	
For >500 To 1,000, Deduct	-6.26	
For >1,000, Deduct	-8.79	
For Galvanized Steel, Add	33.03	
For High Strength Steel (HSS), Add	15.45	
05 12 23 00-0514 LF 8" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	91.25	21.24
For >100 To 250, Deduct	-2.12	
For >250 To 500, Deduct	-4.41	
For >500 To 1,000, Deduct	-7.39	
For >1,000, Deduct	-10.38	
For Galvanized Steel, Add	39.02	
For High Strength Steel (HSS), Add	18.25	
05 12 23 00-0515 LF 8" x 8" x 7/8" Thick, Plain Steel Angle Iron.....	105.01	24.45
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-5.07	
For >500 To 1,000, Deduct	-8.51	
For >1,000, Deduct	-11.95	
For Galvanized Steel, Add	44.90	
For High Strength Steel (HSS), Add	21.00	
<b>05 12 23 00-0516 Bar Channel (05 12 23 00-0408)</b>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0517	LF		1" x 1/2" x 1/8" Thick Bar Channel.....	5.01	
				<i>For 316 Stainless Steel, Add</i>	5.60	
				<i>For Aluminum, Add</i>	0.32	
				<i>For Galvanized Steel, Add</i>	1.09	
				<i>For 304 Stainless Steel, Add</i>	4.99	
				<i>For High Strength Steel (HSS), Add</i>	1.00	
	05 12 23 00-0518	LF		1-1/4" x 1/2" x 1/8" Thick Bar Channel.....	5.65	
				<i>For 316 Stainless Steel, Add</i>	6.72	
				<i>For Aluminum, Add</i>	0.38	
				<i>For Galvanized Steel, Add</i>	1.30	
				<i>For 304 Stainless Steel, Add</i>	5.99	
				<i>For High Strength Steel (HSS), Add</i>	1.13	
	05 12 23 00-0519	LF		1-1/2" x 1/2" x 1/8" Thick Bar Channel.....	6.16	
				<i>For 316 Stainless Steel, Add</i>	7.42	
				<i>For Aluminum, Add</i>	0.42	
				<i>For Galvanized Steel, Add</i>	1.44	
				<i>For 304 Stainless Steel, Add</i>	6.61	
				<i>For High Strength Steel (HSS), Add</i>	1.23	
	05 12 23 00-0520	LF		1-1/2" x 3/4" x 1/8" Thick Bar Channel.....	7.02	
				<i>For 316 Stainless Steel, Add</i>	7.74	
				<i>For Aluminum, Add</i>	0.44	
				<i>For Galvanized Steel, Add</i>	1.50	
				<i>For 304 Stainless Steel, Add</i>	6.90	
				<i>For High Strength Steel (HSS), Add</i>	1.40	
	05 12 23 00-0521	LF		2" x 1/2" x 1/8" Thick Bar Channel.....	7.56	
				<i>For 316 Stainless Steel, Add</i>	9.47	
				<i>For Aluminum, Add</i>	0.53	
				<i>For Galvanized Steel, Add</i>	1.84	
				<i>For 304 Stainless Steel, Add</i>	8.44	
	05 12 23 00-0522	LF		2" x 1" x 1/8" Thick Bar Channel.....	9.87	
				<i>For 316 Stainless Steel, Add</i>	10.59	
				<i>For Aluminum, Add</i>	0.60	
				<i>For Galvanized Steel, Add</i>	2.05	
				<i>For 304 Stainless Steel, Add</i>	9.43	
	<b>05 12 23 00-0523</b>			<b>Channels - C</b> <small>(05 12 23 00-0408)</small>		
	05 12 23 00-0524	LF		C2 x 1.78 - 2" Wide Channel.....	8.21	4.05
				<i>For &gt;100 To 250, Deduct</i>	-0.41	
				<i>For &gt;250 To 500, Deduct</i>	-0.61	
				<i>For &gt;500 To 1,000, Deduct</i>	-0.95	
				<i>For &gt;1,000, Deduct</i>	-1.29	
				<i>For 316 Stainless Steel, Add</i>	8.99	
				<i>For Aluminum, Add</i>	0.51	
				<i>For Galvanized Steel, Add</i>	1.74	
				<i>For 304 Stainless Steel, Add</i>	8.01	
	05 12 23 00-0525	LF		C3 x 4.1 - 3" Wide Channel.....	14.36	5.82
				<i>For &gt;100 To 250, Deduct</i>	-0.58	
				<i>For &gt;250 To 500, Deduct</i>	-0.94	
				<i>For &gt;500 To 1,000, Deduct</i>	-1.49	
				<i>For &gt;1,000, Deduct</i>	-2.05	
				<i>For 316 Stainless Steel, Add</i>	21.12	
				<i>For Aluminum, Add</i>	1.19	
				<i>For Galvanized Steel, Add</i>	4.09	
				<i>For 304 Stainless Steel, Add</i>	18.81	
	05 12 23 00-0526	LF		C3 x 5 - 3" Wide Channel.....	17.51	7.10
				<i>For &gt;100 To 250, Deduct</i>	-0.71	
				<i>For &gt;250 To 500, Deduct</i>	-1.15	
				<i>For &gt;500 To 1,000, Deduct</i>	-1.82	
				<i>For &gt;1,000, Deduct</i>	-2.50	
				<i>For 316 Stainless Steel, Add</i>	25.76	
				<i>For Aluminum, Add</i>	1.45	
				<i>For Galvanized Steel, Add</i>	4.99	
				<i>For 304 Stainless Steel, Add</i>	22.94	
	05 12 23 00-0527	LF		C3 x 6 - 3" Wide Channel.....	21.02	8.52
				<i>For &gt;100 To 250, Deduct</i>	-0.85	
				<i>For &gt;250 To 500, Deduct</i>	-1.38	
				<i>For &gt;500 To 1,000, Deduct</i>	-2.19	
				<i>For &gt;1,000, Deduct</i>	-3.00	
				<i>For 316 Stainless Steel, Add</i>	30.91	
				<i>For Aluminum, Add</i>	1.74	
				<i>For Galvanized Steel, Add</i>	5.99	
				<i>For 304 Stainless Steel, Add</i>	27.53	
	05 12 23 00-0528	LF		C4 x 5.4 - 4" Wide Channel.....	18.00	6.98
				<i>For &gt;100 To 250, Deduct</i>	-0.70	
				<i>For &gt;250 To 500, Deduct</i>	-1.15	
				<i>For &gt;500 To 1,000, Deduct</i>	-1.83	
				<i>For &gt;1,000, Deduct</i>	-2.51	
				<i>For 316 Stainless Steel, Add</i>	27.81	
				<i>For Aluminum, Add</i>	1.56	
				<i>For Galvanized Steel, Add</i>	5.39	
				<i>For 304 Stainless Steel, Add</i>	24.77	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0529	LF C4 x 7.25 - 4" Wide Channel.....	24.17	9.37
	For >100 To 250, Deduct	-0.94	
	For >250 To 500, Deduct	-1.54	
	For >500 To 1,000, Deduct	-2.46	
	For >1,000, Deduct	-3.38	
	For 316 Stainless Steel, Add	37.34	
	For Aluminum, Add	2.10	
	For Galvanized Steel, Add	7.24	
	For 304 Stainless Steel, Add	33.26	
05 12 23 00-0530	LF C5 x 6.7 - 5" Wide Channel.....	21.64	8.14
	For >100 To 250, Deduct	-0.81	
	For >250 To 500, Deduct	-1.36	
	For >500 To 1,000, Deduct	-2.17	
	For >1,000, Deduct	-2.98	
	For 316 Stainless Steel, Add	34.50	
	For Aluminum, Add	1.94	
	For Galvanized Steel, Add	6.68	
	For 304 Stainless Steel, Add	30.72	
05 12 23 00-0531	LF C5 x 9 - 5" Wide Channel.....	29.07	10.94
	For >100 To 250, Deduct	-1.09	
	For >250 To 500, Deduct	-1.82	
	For >500 To 1,000, Deduct	-2.91	
	For >1,000, Deduct	-4.00	
	For 316 Stainless Steel, Add	46.34	
	For Aluminum, Add	2.61	
	For Galvanized Steel, Add	8.98	
	For 304 Stainless Steel, Add	41.27	
05 12 23 00-0532	LF C6 x 8.2 - 6" Wide Channel.....	26.24	9.78
	For >100 To 250, Deduct	-0.98	
	For >250 To 500, Deduct	-1.63	
	For >500 To 1,000, Deduct	-2.62	
	For >1,000, Deduct	-3.60	
	For 316 Stainless Steel, Add	42.24	
	For Aluminum, Add	2.38	
	For Galvanized Steel, Add	8.18	
	For 304 Stainless Steel, Add	37.62	
05 12 23 00-0533	LF C6 x 10.5 - 6" Wide Channel.....	33.59	12.52
	For >100 To 250, Deduct	-1.25	
	For >250 To 500, Deduct	-2.09	
	For >500 To 1,000, Deduct	-3.35	
	For >1,000, Deduct	-4.61	
	For 316 Stainless Steel, Add	54.08	
	For Aluminum, Add	3.04	
	For Galvanized Steel, Add	10.48	
	For 304 Stainless Steel, Add	48.17	
05 12 23 00-0534	LF C6 x 13 - 6" Wide Channel.....	41.59	15.50
	For >100 To 250, Deduct	-1.55	
	For >250 To 500, Deduct	-2.59	
	For >500 To 1,000, Deduct	-4.15	
	For >1,000, Deduct	-5.70	
	For 316 Stainless Steel, Add	66.94	
	For Aluminum, Add	3.77	
	For Galvanized Steel, Add	12.97	
	For 304 Stainless Steel, Add	59.62	
05 12 23 00-0535	LF C7 x 9.8 - 7" Wide Channel.....	31.29	11.64
	For >100 To 250, Deduct	-1.16	
	For >250 To 500, Deduct	-1.95	
	For >500 To 1,000, Deduct	-3.12	
	For >1,000, Deduct	-4.29	
	For 316 Stainless Steel, Add	50.46	
	For Aluminum, Add	2.84	
	For Galvanized Steel, Add	9.78	
	For 304 Stainless Steel, Add	44.94	
05 12 23 00-0536	LF C7 x 12.25 - 7" Wide Channel.....	39.11	14.55
	For >100 To 250, Deduct	-1.46	
	For >250 To 500, Deduct	-2.43	
	For >500 To 1,000, Deduct	-3.90	
	For >1,000, Deduct	-5.36	
	For 316 Stainless Steel, Add	63.07	
	For Aluminum, Add	3.55	
	For Galvanized Steel, Add	12.22	
	For 304 Stainless Steel, Add	56.17	
05 12 23 00-0537	LF C7 x 14.75 - 7" Wide Channel.....	47.10	17.52
	For >100 To 250, Deduct	-1.75	
	For >250 To 500, Deduct	-2.93	
	For >500 To 1,000, Deduct	-4.69	
	For >1,000, Deduct	-6.45	
	For 316 Stainless Steel, Add	75.97	
	For Aluminum, Add	4.27	
	For Galvanized Steel, Add	14.72	
	For 304 Stainless Steel, Add	67.66	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0538 LF C8 x 11.5 - 8" Wide Channel .....	35.58	12.81
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-2.17	
For >500 To 1,000, Deduct	-3.49	
For >1,000, Deduct	-4.80	
For 316 Stainless Steel, Add	59.23	
For Aluminum, Add	3.33	
For Galvanized Steel, Add	11.48	
For 304 Stainless Steel, Add	52.75	
05 12 23 00-0539 LF C8 x 13.75 - 8" Wide Channel .....	42.55	15.32
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-2.60	
For >500 To 1,000, Deduct	-4.17	
For >1,000, Deduct	-5.74	
For 316 Stainless Steel, Add	70.82	
For Aluminum, Add	3.98	
For Galvanized Steel, Add	13.72	
For 304 Stainless Steel, Add	63.07	
05 12 23 00-0540 LF C8 x 18.75 - 8" Wide Channel .....	58.01	20.88
For >100 To 250, Deduct	-2.09	
For >250 To 500, Deduct	-3.54	
For >500 To 1,000, Deduct	-5.68	
For >1,000, Deduct	-7.83	
For 316 Stainless Steel, Add	96.54	
For Aluminum, Add	5.43	
For Galvanized Steel, Add	18.71	
For 304 Stainless Steel, Add	85.98	
05 12 23 00-0541 LF C9 x 13.4 - 9" Wide Channel .....	41.45	14.92
For >100 To 250, Deduct	-1.49	
For >250 To 500, Deduct	-2.53	
For >500 To 1,000, Deduct	-4.06	
For >1,000, Deduct	-5.60	
For 316 Stainless Steel, Add	68.99	
For Aluminum, Add	3.88	
For Galvanized Steel, Add	13.37	
For 304 Stainless Steel, Add	61.45	
05 12 23 00-0542 LF C9 x 15 - 9" Wide Channel .....	46.40	16.70
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.83	
For >500 To 1,000, Deduct	-4.55	
For >1,000, Deduct	-6.26	
For 316 Stainless Steel, Add	77.25	
For Aluminum, Add	4.35	
For Galvanized Steel, Add	14.97	
For 304 Stainless Steel, Add	68.80	
05 12 23 00-0543 LF C9 x 20 - 9" Wide Channel .....	61.88	22.26
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-3.77	
For >500 To 1,000, Deduct	-6.06	
For >1,000, Deduct	-8.35	
For 316 Stainless Steel, Add	102.98	
For Aluminum, Add	5.79	
For Galvanized Steel, Add	19.95	
For 304 Stainless Steel, Add	91.71	
05 12 23 00-0544 LF C10 x 15.3 - 10" Wide Channel .....	47.34	17.03
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.89	
For >500 To 1,000, Deduct	-4.64	
For >1,000, Deduct	-6.39	
For 316 Stainless Steel, Add	78.78	
For Aluminum, Add	4.43	
For Galvanized Steel, Add	15.26	
For 304 Stainless Steel, Add	70.17	
05 12 23 00-0545 LF C10 x 20 - 10" Wide Channel .....	61.88	22.26
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-3.77	
For >500 To 1,000, Deduct	-6.06	
For >1,000, Deduct	-8.35	
For 316 Stainless Steel, Add	102.98	
For Aluminum, Add	5.79	
For Galvanized Steel, Add	19.95	
For 304 Stainless Steel, Add	91.71	
05 12 23 00-0546 LF C10 x 25 - 10" Wide Channel .....	77.35	27.84
For >100 To 250, Deduct	-2.78	
For >250 To 500, Deduct	-4.72	
For >500 To 1,000, Deduct	-7.58	
For >1,000, Deduct	-10.44	
For 316 Stainless Steel, Add	128.74	
For Aluminum, Add	7.24	
For Galvanized Steel, Add	24.94	
For 304 Stainless Steel, Add	114.66	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0547	LF C10 x 30 - 10" Wide Channel.....	92.82	33.40
	For >100 To 250, Deduct	-3.34	
	For >250 To 500, Deduct	-5.66	
	For >500 To 1,000, Deduct	-9.10	
	For >1,000, Deduct	-12.53	
	For 316 Stainless Steel, Add	154.50	
	For Aluminum, Add	8.69	
	For Galvanized Steel, Add	29.93	
	For 304 Stainless Steel, Add	137.60	
05 12 23 00-0548	LF C12 x 20.7 - 12" Wide Channel.....	64.04	23.05
	For >100 To 250, Deduct	-2.30	
	For >250 To 500, Deduct	-3.91	
	For >500 To 1,000, Deduct	-6.28	
	For >1,000, Deduct	-8.64	
	For 316 Stainless Steel, Add	106.59	
	For Aluminum, Add	6.00	
	For Galvanized Steel, Add	20.65	
	For 304 Stainless Steel, Add	94.93	
05 12 23 00-0549	LF C12 x 25 - 12" Wide Channel.....	77.35	27.84
	For >100 To 250, Deduct	-2.78	
	For >250 To 500, Deduct	-4.72	
	For >500 To 1,000, Deduct	-7.58	
	For >1,000, Deduct	-10.44	
	For 316 Stainless Steel, Add	128.74	
	For Aluminum, Add	7.24	
	For Galvanized Steel, Add	24.94	
	For 304 Stainless Steel, Add	114.66	
05 12 23 00-0550	LF C12 x 30 - 12" Wide Channel.....	92.82	33.40
	For >100 To 250, Deduct	-3.34	
	For >250 To 500, Deduct	-5.66	
	For >500 To 1,000, Deduct	-9.10	
	For >1,000, Deduct	-12.53	
	For 316 Stainless Steel, Add	154.50	
	For Aluminum, Add	8.69	
	For Galvanized Steel, Add	29.93	
	For 304 Stainless Steel, Add	137.60	
05 12 23 00-0551	LF C15 x 33.9 - 15" Wide Channel.....	104.88	37.74
	For >100 To 250, Deduct	-3.77	
	For >250 To 500, Deduct	-6.40	
	For >500 To 1,000, Deduct	-10.28	
	For >1,000, Deduct	-14.16	
	For 316 Stainless Steel, Add	174.56	
	For Aluminum, Add	9.82	
	For Galvanized Steel, Add	33.82	
	For 304 Stainless Steel, Add	155.47	
05 12 23 00-0552	LF C15 x 40 - 15" Wide Channel.....	123.75	44.54
	For >100 To 250, Deduct	-4.45	
	For >250 To 500, Deduct	-7.55	
	For >500 To 1,000, Deduct	-12.13	
	For >1,000, Deduct	-16.70	
	For 316 Stainless Steel, Add	205.98	
	For Aluminum, Add	11.59	
	For Galvanized Steel, Add	39.91	
	For 304 Stainless Steel, Add	183.45	
05 12 23 00-0553	LF C15 x 50 - 15" Wide Channel.....	154.70	55.67
	For >100 To 250, Deduct	-5.57	
	For >250 To 500, Deduct	-9.44	
	For >500 To 1,000, Deduct	-15.16	
	For >1,000, Deduct	-20.88	
	For 316 Stainless Steel, Add	257.47	
	For Aluminum, Add	14.48	
	For Galvanized Steel, Add	49.89	
	For 304 Stainless Steel, Add	229.31	
05 12 23 00-0554	Miscellaneous Channels - MC (05 12 23 00-0408)		
05 12 23 00-0555	LF MC6 x 12 - 6" Wide Channel.....	38.39	14.31
	For >100 To 250, Deduct	-1.43	
	For >250 To 500, Deduct	-2.39	
	For >500 To 1,000, Deduct	-3.83	
	For >1,000, Deduct	-5.26	
	For 316 Stainless Steel, Add	61.79	
	For Aluminum, Add	3.48	
	For Galvanized Steel, Add	11.97	
	For 304 Stainless Steel, Add	55.03	
05 12 23 00-0556	LF MC6 x 15.1 - 6" Wide Channel.....	48.31	18.00
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-3.01	
	For >500 To 1,000, Deduct	-4.82	
	For >1,000, Deduct	-6.62	
	For 316 Stainless Steel, Add	77.76	
	For Aluminum, Add	4.37	
	For Galvanized Steel, Add	15.07	
	For 304 Stainless Steel, Add	69.26	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0557 LF MC6 x 15.3 - 6" Wide Channel .....	48.95	18.24
For >100 To 250, Deduct	-1.82	
For >250 To 500, Deduct	-3.05	
For >500 To 1,000, Deduct	-4.88	
For >1,000, Deduct	-6.71	
For 316 Stainless Steel, Add	78.78	
For Aluminum, Add	4.43	
For Galvanized Steel, Add	15.26	
For 304 Stainless Steel, Add	70.17	
05 12 23 00-0558 LF MC6 x 16.3 - 6" Wide Channel .....	52.15	19.43
For >100 To 250, Deduct	-1.94	
For >250 To 500, Deduct	-3.25	
For >500 To 1,000, Deduct	-5.20	
For >1,000, Deduct	-7.15	
For 316 Stainless Steel, Add	83.94	
For Aluminum, Add	4.72	
For Galvanized Steel, Add	16.26	
For 304 Stainless Steel, Add	74.76	
05 12 23 00-0559 LF MC6 x 18 - 6" Wide Channel .....	57.59	21.46
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-3.59	
For >500 To 1,000, Deduct	-5.74	
For >1,000, Deduct	-7.90	
For 316 Stainless Steel, Add	92.70	
For Aluminum, Add	5.21	
For Galvanized Steel, Add	17.96	
For 304 Stainless Steel, Add	82.56	
05 12 23 00-0560 LF MC7 x 17.6 - 7" Wide Channel .....	56.20	20.91
For >100 To 250, Deduct	-2.09	
For >250 To 500, Deduct	-3.50	
For >500 To 1,000, Deduct	-5.60	
For >1,000, Deduct	-7.70	
For 316 Stainless Steel, Add	90.62	
For Aluminum, Add	5.10	
For Galvanized Steel, Add	17.56	
For 304 Stainless Steel, Add	80.71	
05 12 23 00-0561 LF MC7 x 19.1 - 7" Wide Channel .....	61.00	22.70
For >100 To 250, Deduct	-2.27	
For >250 To 500, Deduct	-3.79	
For >500 To 1,000, Deduct	-6.08	
For >1,000, Deduct	-8.36	
For 316 Stainless Steel, Add	98.37	
For Aluminum, Add	5.53	
For Galvanized Steel, Add	19.06	
For 304 Stainless Steel, Add	87.61	
05 12 23 00-0562 LF MC7 x 22.7 - 7" Wide Channel .....	72.49	26.97
For >100 To 250, Deduct	-2.70	
For >250 To 500, Deduct	-4.51	
For >500 To 1,000, Deduct	-7.22	
For >1,000, Deduct	-9.93	
For 316 Stainless Steel, Add	116.90	
For Aluminum, Add	6.58	
For Galvanized Steel, Add	22.65	
For 304 Stainless Steel, Add	104.11	
05 12 23 00-0563 LF MC8 x 8.5 - 8" Wide Channel .....	26.31	9.46
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.61	
For >500 To 1,000, Deduct	-2.58	
For >1,000, Deduct	-3.55	
For 316 Stainless Steel, Add	43.78	
For Aluminum, Add	2.46	
For Galvanized Steel, Add	8.48	
For 304 Stainless Steel, Add	38.99	
05 12 23 00-0564 LF MC8 x 18.7 - 8" Wide Channel .....	57.86	20.82
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-3.53	
For >500 To 1,000, Deduct	-5.67	
For >1,000, Deduct	-7.81	
For 316 Stainless Steel, Add	96.29	
For Aluminum, Add	5.42	
For Galvanized Steel, Add	18.66	
For 304 Stainless Steel, Add	85.76	
05 12 23 00-0565 LF MC8 x 20 - 8" Wide Channel .....	61.88	22.26
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-3.77	
For >500 To 1,000, Deduct	-6.06	
For >1,000, Deduct	-8.35	
For 316 Stainless Steel, Add	102.98	
For Aluminum, Add	5.79	
For Galvanized Steel, Add	19.95	
For 304 Stainless Steel, Add	91.71	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0566	LF MC8 x 21.4 - 8" Wide Channel.....	66.22	23.83
	For >100 To 250, Deduct	-2.38	
	For >250 To 500, Deduct	-4.04	
	For >500 To 1,000, Deduct	-6.49	
	For >1,000, Deduct	-8.94	
	For 316 Stainless Steel, Add	110.21	
	For Aluminum, Add	6.20	
	For Galvanized Steel, Add	21.35	
	For 304 Stainless Steel, Add	98.15	
05 12 23 00-0567	LF MC8 x 22.8 - 8" Wide Channel.....	70.53	25.40
	For >100 To 250, Deduct	-2.54	
	For >250 To 500, Deduct	-4.30	
	For >500 To 1,000, Deduct	-6.91	
	For >1,000, Deduct	-9.52	
	For 316 Stainless Steel, Add	117.41	
	For Aluminum, Add	6.60	
	For Galvanized Steel, Add	22.75	
	For 304 Stainless Steel, Add	104.57	
05 12 23 00-0568	LF MC9 x 23.9 - 9" Wide Channel.....	73.95	26.62
	For >100 To 250, Deduct	-2.66	
	For >250 To 500, Deduct	-4.51	
	For >500 To 1,000, Deduct	-7.25	
	For >1,000, Deduct	-9.98	
	For 316 Stainless Steel, Add	123.07	
	For Aluminum, Add	6.92	
	For Galvanized Steel, Add	23.85	
	For 304 Stainless Steel, Add	109.61	
05 12 23 00-0569	LF MC9 x 25.4 - 9" Wide Channel.....	78.57	28.28
	For >100 To 250, Deduct	-2.83	
	For >250 To 500, Deduct	-4.79	
	For >500 To 1,000, Deduct	-7.70	
	For >1,000, Deduct	-10.61	
	For 316 Stainless Steel, Add	130.78	
	For Aluminum, Add	7.36	
	For Galvanized Steel, Add	25.34	
	For 304 Stainless Steel, Add	116.48	
05 12 23 00-0570	LF MC10 x 6.5 - 10" Wide Channel.....	20.12	7.24
	For >100 To 250, Deduct	-0.72	
	For >250 To 500, Deduct	-1.23	
	For >500 To 1,000, Deduct	-1.97	
	For >1,000, Deduct	-2.72	
	For 316 Stainless Steel, Add	33.47	
	For Aluminum, Add	1.88	
	For Galvanized Steel, Add	6.49	
	For 304 Stainless Steel, Add	29.81	
05 12 23 00-0571	LF MC10 x 8.4 - 10" Wide Channel.....	25.99	9.35
	For >100 To 250, Deduct	-0.94	
	For >250 To 500, Deduct	-1.59	
	For >500 To 1,000, Deduct	-2.55	
	For >1,000, Deduct	-3.51	
	For 316 Stainless Steel, Add	43.26	
	For Aluminum, Add	2.43	
	For Galvanized Steel, Add	8.38	
	For 304 Stainless Steel, Add	38.53	
05 12 23 00-0572	LF MC10 x 21.9 - 10" Wide Channel.....	67.75	24.39
	For >100 To 250, Deduct	-2.44	
	For >250 To 500, Deduct	-4.13	
	For >500 To 1,000, Deduct	-6.64	
	For >1,000, Deduct	-9.15	
	For 316 Stainless Steel, Add	112.77	
	For Aluminum, Add	6.34	
	For Galvanized Steel, Add	21.85	
	For 304 Stainless Steel, Add	100.43	
05 12 23 00-0573	LF MC10 x 24.9 - 10" Wide Channel.....	77.04	27.74
	For >100 To 250, Deduct	-2.77	
	For >250 To 500, Deduct	-4.70	
	For >500 To 1,000, Deduct	-7.55	
	For >1,000, Deduct	-10.40	
	For 316 Stainless Steel, Add	128.22	
	For Aluminum, Add	7.21	
	For Galvanized Steel, Add	24.84	
	For 304 Stainless Steel, Add	114.20	
05 12 23 00-0574	LF MC10 x 25.3 - 10" Wide Channel.....	78.27	28.18
	For >100 To 250, Deduct	-2.82	
	For >250 To 500, Deduct	-4.77	
	For >500 To 1,000, Deduct	-7.67	
	For >1,000, Deduct	-10.57	
	For 316 Stainless Steel, Add	130.27	
	For Aluminum, Add	7.33	
	For Galvanized Steel, Add	25.24	
	For 304 Stainless Steel, Add	116.02	





<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0575 LF MC10 x 28.3 - 10" Wide Channel.....	87.56	31.50
For >100 To 250, Deduct	-3.15	
For >250 To 500, Deduct	-5.34	
For >500 To 1,000, Deduct	-8.58	
For >1,000, Deduct	-11.82	
For 316 Stainless Steel, Add	145.73	
For Aluminum, Add	8.20	
For Galvanized Steel, Add	28.23	
For 304 Stainless Steel, Add	129.79	
05 12 23 00-0576 LF MC10 x 28.5 - 10" Wide Channel.....	88.17	31.74
For >100 To 250, Deduct	-3.17	
For >250 To 500, Deduct	-5.38	
For >500 To 1,000, Deduct	-8.64	
For >1,000, Deduct	-11.90	
For 316 Stainless Steel, Add	146.75	
For Aluminum, Add	8.25	
For Galvanized Steel, Add	28.43	
For 304 Stainless Steel, Add	130.70	
05 12 23 00-0577 LF MC10 x 33.6 - 10" Wide Channel.....	103.96	37.42
For >100 To 250, Deduct	-3.74	
For >250 To 500, Deduct	-6.34	
For >500 To 1,000, Deduct	-10.19	
For >1,000, Deduct	-14.03	
For 316 Stainless Steel, Add	173.02	
For Aluminum, Add	9.73	
For Galvanized Steel, Add	33.52	
For 304 Stainless Steel, Add	154.10	
05 12 23 00-0578 LF MC10 x 41.1 - 10" Wide Channel.....	127.15	45.77
For >100 To 250, Deduct	-4.58	
For >250 To 500, Deduct	-7.75	
For >500 To 1,000, Deduct	-12.46	
For >1,000, Deduct	-17.16	
For 316 Stainless Steel, Add	211.65	
For Aluminum, Add	11.91	
For Galvanized Steel, Add	41.01	
For 304 Stainless Steel, Add	188.50	
05 12 23 00-0579 LF MC12 x 30.9 - 12" Wide Channel.....	95.60	34.41
For >100 To 250, Deduct	-3.44	
For >250 To 500, Deduct	-5.83	
For >500 To 1,000, Deduct	-9.37	
For >1,000, Deduct	-12.91	
For 316 Stainless Steel, Add	159.10	
For Aluminum, Add	8.95	
For Galvanized Steel, Add	30.83	
For 304 Stainless Steel, Add	141.70	
05 12 23 00-0580 LF MC12 x 32.9 - 12" Wide Channel.....	101.79	36.63
For >100 To 250, Deduct	-3.66	
For >250 To 500, Deduct	-6.21	
For >500 To 1,000, Deduct	-9.97	
For >1,000, Deduct	-13.74	
For 316 Stainless Steel, Add	169.41	
For Aluminum, Add	9.53	
For Galvanized Steel, Add	32.82	
For 304 Stainless Steel, Add	150.88	
05 12 23 00-0581 LF MC12 x 35 - 12" Wide Channel .....	108.28	38.97
For >100 To 250, Deduct	-3.90	
For >250 To 500, Deduct	-6.60	
For >500 To 1,000, Deduct	-10.61	
For >1,000, Deduct	-14.62	
For 316 Stainless Steel, Add	180.22	
For Aluminum, Add	10.14	
For Galvanized Steel, Add	34.92	
For 304 Stainless Steel, Add	160.51	
05 12 23 00-0582 LF MC12 x 37 - 12" Wide Channel .....	114.48	41.20
For >100 To 250, Deduct	-4.12	
For >250 To 500, Deduct	-6.98	
For >500 To 1,000, Deduct	-11.22	
For >1,000, Deduct	-15.45	
For 316 Stainless Steel, Add	190.53	
For Aluminum, Add	10.72	
For Galvanized Steel, Add	36.91	
For 304 Stainless Steel, Add	169.69	
05 12 23 00-0583 LF MC12 x 40 - 12" Wide Channel .....	123.75	44.54
For >100 To 250, Deduct	-4.45	
For >250 To 500, Deduct	-7.55	
For >500 To 1,000, Deduct	-12.13	
For >1,000, Deduct	-16.70	
For 316 Stainless Steel, Add	205.98	
For Aluminum, Add	11.59	
For Galvanized Steel, Add	39.91	
For 304 Stainless Steel, Add	183.45	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0584	LF MC12 x 45 - 12" Wide Channel.....	139.22	50.11
	For >100 To 250, Deduct	-5.01	
	For >250 To 500, Deduct	-8.49	
	For >500 To 1,000, Deduct	-13.64	
	For >1,000, Deduct	-18.79	
	For 316 Stainless Steel, Add	231.71	
	For Aluminum, Add	13.03	
	For Galvanized Steel, Add	44.89	
	For 304 Stainless Steel, Add	206.37	
05 12 23 00-0585	LF MC12 x 50 - 12" Wide Channel.....	154.70	55.68
	For >100 To 250, Deduct	-5.57	
	For >250 To 500, Deduct	-9.44	
	For >500 To 1,000, Deduct	-15.16	
	For >1,000, Deduct	-20.88	
	For 316 Stainless Steel, Add	257.47	
	For Aluminum, Add	14.48	
	For Galvanized Steel, Add	49.89	
	For 304 Stainless Steel, Add	229.31	
05 12 23 00-0586	LF MC13 x 31.8 - 13" Wide Channel.....	98.39	35.41
	For >100 To 250, Deduct	-3.54	
	For >250 To 500, Deduct	-6.00	
	For >500 To 1,000, Deduct	-9.64	
	For >1,000, Deduct	-13.28	
	For 316 Stainless Steel, Add	163.74	
	For Aluminum, Add	9.21	
	For Galvanized Steel, Add	31.73	
	For 304 Stainless Steel, Add	145.83	
05 12 23 00-0587	LF MC13 x 35 - 13" Wide Channel.....	108.28	38.97
	For >100 To 250, Deduct	-3.90	
	For >250 To 500, Deduct	-6.60	
	For >500 To 1,000, Deduct	-10.61	
	For >1,000, Deduct	-14.62	
	For 316 Stainless Steel, Add	180.22	
	For Aluminum, Add	10.14	
	For Galvanized Steel, Add	34.92	
	For 304 Stainless Steel, Add	160.51	
05 12 23 00-0588	LF MC13 x 40 - 13" Wide Channel.....	123.75	44.54
	For >100 To 250, Deduct	-4.45	
	For >250 To 500, Deduct	-7.55	
	For >500 To 1,000, Deduct	-12.13	
	For >1,000, Deduct	-16.70	
	For 316 Stainless Steel, Add	205.98	
	For Aluminum, Add	11.59	
	For Galvanized Steel, Add	39.91	
	For 304 Stainless Steel, Add	183.45	
05 12 23 00-0589	LF MC13 x 50 - 13" Wide Channel.....	154.70	55.68
	For >100 To 250, Deduct	-5.57	
	For >250 To 500, Deduct	-9.44	
	For >500 To 1,000, Deduct	-15.16	
	For >1,000, Deduct	-20.88	
	For 316 Stainless Steel, Add	257.47	
	For Aluminum, Add	14.48	
	For Galvanized Steel, Add	49.89	
	For 304 Stainless Steel, Add	229.31	
05 12 23 00-0590	LF MC18 x 42.7 - 18" Wide Channel.....	132.11	47.55
	For >100 To 250, Deduct	-4.76	
	For >250 To 500, Deduct	-8.06	
	For >500 To 1,000, Deduct	-12.95	
	For >1,000, Deduct	-17.83	
	For 316 Stainless Steel, Add	219.87	
	For Aluminum, Add	12.37	
	For Galvanized Steel, Add	42.60	
	For 304 Stainless Steel, Add	195.82	
05 12 23 00-0591	LF MC18 x 45.8 - 18" Wide Channel.....	141.69	51.01
	For >100 To 250, Deduct	-5.10	
	For >250 To 500, Deduct	-8.64	
	For >500 To 1,000, Deduct	-13.88	
	For >1,000, Deduct	-19.13	
	For 316 Stainless Steel, Add	235.84	
	For Aluminum, Add	13.27	
	For Galvanized Steel, Add	45.69	
	For 304 Stainless Steel, Add	210.05	
05 12 23 00-0592	LF MC18 x 51.9 - 18" Wide Channel.....	160.58	57.79
	For >100 To 250, Deduct	-5.78	
	For >250 To 500, Deduct	-9.79	
	For >500 To 1,000, Deduct	-15.74	
	For >1,000, Deduct	-21.68	
	For 316 Stainless Steel, Add	267.26	
	For Aluminum, Add	15.03	
	For Galvanized Steel, Add	51.78	
	For 304 Stainless Steel, Add	238.03	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0593 LF MC18 x 58 - 18" Wide Channel .....	179.44	64.58
For >100 To 250, Deduct	-6.46	
For >250 To 500, Deduct	-10.94	
For >500 To 1,000, Deduct	-17.58	
For >1,000, Deduct	-24.22	
For 316 Stainless Steel, Add	298.66	
For Aluminum, Add	16.80	
For Galvanized Steel, Add	57.86	
For 304 Stainless Steel, Add	265.99	
<b>05 12 23 00-0594 Structural Bar Tees</b> (05 12 23 00-0408)		
05 12 23 00-0595 LF 3/4" x 3/4" x 1/8" Structural Bar Tee .....	5.25	2.96
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.43	
For >500 To 1,000, Deduct	-0.66	
For >1,000, Deduct	-0.89	
For 316 Stainless Steel, Add	4.16	
For Aluminum, Add	0.23	
For Galvanized Steel, Add	0.81	
For 304 Stainless Steel, Add	3.71	
05 12 23 00-0596 LF 1" x 1" x 1/8" Structural Bar Tee .....	6.44	3.49
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.51	
For >500 To 1,000, Deduct	-0.79	
For >1,000, Deduct	-1.07	
For 316 Stainless Steel, Add	5.70	
For Aluminum, Add	0.32	
For Galvanized Steel, Add	1.10	
For 304 Stainless Steel, Add	5.07	
05 12 23 00-0597 LF 1-1/2" x 1-1/2" x 1/4" Structural Bar Tee .....	10.48	4.03
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.67	
For >500 To 1,000, Deduct	-1.06	
For >1,000, Deduct	-1.46	
For 316 Stainless Steel, Add	16.32	
For Aluminum, Add	0.92	
For Galvanized Steel, Add	3.16	
For 304 Stainless Steel, Add	14.54	
05 12 23 00-0598 LF 2" x 2" x 1/4" Structural Bar Tee .....	14.63	5.28
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.89	
For >500 To 1,000, Deduct	-1.43	
For >1,000, Deduct	-1.98	
For 316 Stainless Steel, Add	24.32	
For Aluminum, Add	1.37	
For Galvanized Steel, Add	4.71	
For 304 Stainless Steel, Add	21.66	
05 12 23 00-0599 LF 2-1/2" x 2-1/2" x 3/8" Structural Bar Tee .....	22.14	6.36
For >100 To 250, Deduct	-0.64	
For >250 To 500, Deduct	-1.19	
For >500 To 1,000, Deduct	-1.96	
For >1,000, Deduct	-2.72	
For 316 Stainless Steel, Add	43.68	
For Aluminum, Add	2.46	
For Galvanized Steel, Add	8.46	
For 304 Stainless Steel, Add	38.90	
05 12 23 00-0600 LF 3" x 3" x 3/8" Structural Bar Tee .....	27.24	8.15
For >100 To 250, Deduct	-0.81	
For >250 To 500, Deduct	-1.50	
For >500 To 1,000, Deduct	-2.45	
For >1,000, Deduct	-3.40	
For 316 Stainless Steel, Add	52.42	
For Aluminum, Add	2.95	
For Galvanized Steel, Add	10.16	
For 304 Stainless Steel, Add	46.68	
<b>05 12 23 00-0601 Structural Zees</b> (05 12 23 00-0408)		
05 12 23 00-0602 LF 1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee .....	12.99	4.03
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.73	
For >500 To 1,000, Deduct	-1.19	
For >1,000, Deduct	-1.65	
For 316 Stainless Steel, Add	24.35	
For Aluminum, Add	1.37	
For Galvanized Steel, Add	4.72	
For 304 Stainless Steel, Add	21.69	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0603	LF		2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee.....	24.61	4.81
			<i>For &gt;100 To 250, Deduct</i>	-0.48	
			<i>For &gt;250 To 500, Deduct</i>	-1.10	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.87	
			<i>For &gt;1,000, Deduct</i>	-2.65	
			<i>For 316 Stainless Steel, Add</i>	58.24	
			<i>For Aluminum, Add</i>	3.28	
			<i>For Galvanized Steel, Add</i>	11.28	
			<i>For 304 Stainless Steel, Add</i>	51.87	
05 12 23 00-0604	LF		3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee.....	29.53	5.43
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-1.28	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.20	
			<i>For &gt;1,000, Deduct</i>	-3.12	
			<i>For 316 Stainless Steel, Add</i>	71.30	
			<i>For Aluminum, Add</i>	4.01	
			<i>For Galvanized Steel, Add</i>	13.81	
			<i>For 304 Stainless Steel, Add</i>	63.50	
05 12 23 00-0605	LF		3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee.....	39.79	6.21
			<i>For &gt;100 To 250, Deduct</i>	-0.62	
			<i>For &gt;250 To 500, Deduct</i>	-1.62	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.82	
			<i>For &gt;1,000, Deduct</i>	-4.02	
			<i>For 316 Stainless Steel, Add</i>	100.86	
			<i>For Aluminum, Add</i>	5.67	
			<i>For Galvanized Steel, Add</i>	19.54	
			<i>For 304 Stainless Steel, Add</i>	89.83	
05 12 23 00-0606	LF		3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee.....	51.66	6.75
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-1.97	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.48	
			<i>For &gt;1,000, Deduct</i>	-5.00	
			<i>For 316 Stainless Steel, Add</i>	136.51	
			<i>For Aluminum, Add</i>	7.68	
			<i>For Galvanized Steel, Add</i>	26.45	
			<i>For 304 Stainless Steel, Add</i>	121.58	
<b>05 12 23 00-0607</b>			<b>Junior I-Beams</b> (05 12 23 00-0408)		
05 12 23 00-0608	LF		3" Junior I-Beam, 2.9 LB/LF.....	17.79	5.82
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.03	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.67	
			<i>For &gt;1,000, Deduct</i>	-2.30	
			<i>For 316 Stainless Steel, Add</i>	32.10	
			<i>For Aluminum, Add</i>	1.81	
			<i>For Galvanized Steel, Add</i>	6.22	
			<i>For 304 Stainless Steel, Add</i>	28.59	
05 12 23 00-0609	LF		4" Junior I-Beam, 3.2 LB/LF.....	19.56	6.36
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-1.13	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.83	
			<i>For &gt;1,000, Deduct</i>	-2.53	
			<i>For 316 Stainless Steel, Add</i>	35.42	
			<i>For Aluminum, Add</i>	1.99	
			<i>For Galvanized Steel, Add</i>	6.86	
			<i>For 304 Stainless Steel, Add</i>	31.55	
05 12 23 00-0610	LF		5" Junior I-Beam, 3.8 LB/LF.....	22.45	6.98
			<i>For &gt;100 To 250, Deduct</i>	-0.70	
			<i>For &gt;250 To 500, Deduct</i>	-1.26	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.05	
			<i>For &gt;1,000, Deduct</i>	-2.85	
			<i>For 316 Stainless Steel, Add</i>	42.05	
			<i>For Aluminum, Add</i>	2.37	
			<i>For Galvanized Steel, Add</i>	8.15	
			<i>For 304 Stainless Steel, Add</i>	37.45	
05 12 23 00-0611	LF		6" Junior I-Beam, 4.4 LB/LF.....	25.35	7.61
			<i>For &gt;100 To 250, Deduct</i>	-0.76	
			<i>For &gt;250 To 500, Deduct</i>	-1.39	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.28	
			<i>For &gt;1,000, Deduct</i>	-3.17	
			<i>For 316 Stainless Steel, Add</i>	48.67	
			<i>For Aluminum, Add</i>	2.74	
			<i>For Galvanized Steel, Add</i>	9.43	
			<i>For 304 Stainless Steel, Add</i>	43.35	
05 12 23 00-0612	LF		7" Junior I-Beam, 5.5 LB/LF.....	29.88	8.14
			<i>For &gt;100 To 250, Deduct</i>	-0.81	
			<i>For &gt;250 To 500, Deduct</i>	-1.56	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.58	
			<i>For &gt;1,000, Deduct</i>	-3.60	
			<i>For 316 Stainless Steel, Add</i>	60.86	
			<i>For Aluminum, Add</i>	3.42	
			<i>For Galvanized Steel, Add</i>	11.79	
			<i>For 304 Stainless Steel, Add</i>	54.21	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0613	LF		8" Junior I-Beam, 6.5 LB/LF.....	34.07	8.69
			<i>For &gt;100 To 250, Deduct</i>	-0.87	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.86	
			<i>For &gt;1,000, Deduct</i>	-4.00	
			<i>For 316 Stainless Steel, Add</i>	71.94	
			<i>For Aluminum, Add</i>	4.05	
			<i>For Galvanized Steel, Add</i>	13.94	
			<i>For 304 Stainless Steel, Add</i>	64.07	
05 12 23 00-0614	LF		10" Junior I-Beam, 9 LB/LF.....	44.36	9.94
			<i>For &gt;100 To 250, Deduct</i>	-0.99	
			<i>For &gt;250 To 500, Deduct</i>	-2.10	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.54	
			<i>For &gt;1,000, Deduct</i>	-4.98	
			<i>For 316 Stainless Steel, Add</i>	99.58	
			<i>For Aluminum, Add</i>	5.60	
			<i>For Galvanized Steel, Add</i>	19.29	
			<i>For 304 Stainless Steel, Add</i>	88.69	
05 12 23 00-0615	LF		12" Junior I-Beam, 11.8 LB/LF.....	56.53	11.79
			<i>For &gt;100 To 250, Deduct</i>	-1.18	
			<i>For &gt;250 To 500, Deduct</i>	-2.59	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.40	
			<i>For &gt;1,000, Deduct</i>	-6.21	
			<i>For 316 Stainless Steel, Add</i>	130.56	
			<i>For Aluminum, Add</i>	7.34	
			<i>For Galvanized Steel, Add</i>	25.30	
			<i>For 304 Stainless Steel, Add</i>	116.28	
<b>05 12 23 00-0616</b>			<b>Round Stock</b> <small>(05 12 23 00-0408)</small>		
05 12 23 00-0617	LF		1/4" Carbon Steel Rounds, ASTM A108.....	2.28	
			<i>For 316 Stainless Steel, Add</i>	3.97	
			<i>For Aluminum, Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	0.77	
			<i>For 304 Stainless Steel, Add</i>	3.53	
05 12 23 00-0618	LF		3/8" Carbon Steel Rounds, ASTM A108.....	3.63	
			<i>For 316 Stainless Steel, Add</i>	7.84	
			<i>For Aluminum, Add</i>	0.44	
			<i>For Galvanized Steel, Add</i>	1.52	
			<i>For 304 Stainless Steel, Add</i>	6.98	
05 12 23 00-0619	LF		1/2" Carbon Steel Rounds, ASTM A108.....	5.02	
			<i>For 316 Stainless Steel, Add</i>	11.94	
			<i>For Aluminum, Add</i>	0.67	
			<i>For Galvanized Steel, Add</i>	2.31	
			<i>For 304 Stainless Steel, Add</i>	10.63	
05 12 23 00-0620	LF		5/8" Carbon Steel Rounds, ASTM A108.....	7.66	
			<i>For 316 Stainless Steel, Add</i>	19.90	
			<i>For Aluminum, Add</i>	1.12	
			<i>For Galvanized Steel, Add</i>	3.86	
			<i>For 304 Stainless Steel, Add</i>	17.73	
05 12 23 00-0621	LF		3/4" Carbon Steel Rounds, ASTM A108.....	9.11	
			<i>For 316 Stainless Steel, Add</i>	23.65	
			<i>For Aluminum, Add</i>	1.33	
			<i>For Galvanized Steel, Add</i>	4.58	
			<i>For 304 Stainless Steel, Add</i>	21.06	
05 12 23 00-0622	LF		7/8" Carbon Steel Rounds, ASTM A108.....	10.63	
			<i>For 316 Stainless Steel, Add</i>	27.65	
			<i>For Aluminum, Add</i>	1.56	
			<i>For Galvanized Steel, Add</i>	5.36	
			<i>For 304 Stainless Steel, Add</i>	24.62	
05 12 23 00-0623	LF		1" Carbon Steel Rounds, ASTM A108.....	15.51	
			<i>For 316 Stainless Steel, Add</i>	42.11	
			<i>For Aluminum, Add</i>	2.37	
			<i>For Galvanized Steel, Add</i>	8.16	
			<i>For 304 Stainless Steel, Add</i>	37.51	
05 12 23 00-0624	LF		1-1/8" Carbon Steel Rounds, ASTM A108.....	18.86	
			<i>For 316 Stainless Steel, Add</i>	51.17	
			<i>For Aluminum, Add</i>	2.88	
			<i>For Galvanized Steel, Add</i>	9.91	
			<i>For 304 Stainless Steel, Add</i>	45.57	
05 12 23 00-0625	LF		1-1/4" Carbon Steel Rounds, ASTM A108.....	22.52	
			<i>For 316 Stainless Steel, Add</i>	60.22	
			<i>For Aluminum, Add</i>	3.39	
			<i>For Galvanized Steel, Add</i>	11.67	
			<i>For 304 Stainless Steel, Add</i>	53.64	
05 12 23 00-0626	LF		1-3/8" Carbon Steel Rounds, ASTM A108.....	27.28	
			<i>For 316 Stainless Steel, Add</i>	73.50	
			<i>For Aluminum, Add</i>	4.13	
			<i>For Galvanized Steel, Add</i>	14.24	
			<i>For 304 Stainless Steel, Add</i>	65.46	
05 12 23 00-0627	LF		1-1/2" Carbon Steel Rounds, ASTM A108.....	30.36	
			<i>For 316 Stainless Steel, Add</i>	80.61	
			<i>For Aluminum, Add</i>	4.53	
			<i>For Galvanized Steel, Add</i>	15.62	
			<i>For 304 Stainless Steel, Add</i>	71.79	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0628 LF 1-5/8" Carbon Steel Rounds, ASTM A108.....	35.02	
For 316 Stainless Steel, Add	91.36	
For Aluminum, Add	5.14	
For Galvanized Steel, Add	17.70	
For 304 Stainless Steel, Add	81.37	
05 12 23 00-0629 LF 1-3/4" Carbon Steel Rounds, ASTM A108.....	41.85	
For 316 Stainless Steel, Add	106.30	
For Aluminum, Add	5.98	
For Galvanized Steel, Add	20.60	
For 304 Stainless Steel, Add	94.68	
05 12 23 00-0630 LF 1-7/8" Carbon Steel Rounds, ASTM A108.....	50.30	
For 316 Stainless Steel, Add	124.54	
For Aluminum, Add	7.01	
For Galvanized Steel, Add	24.13	
For 304 Stainless Steel, Add	110.92	
05 12 23 00-0631 LF 2" Carbon Steel Rounds, ASTM A108.....	57.39	
For 316 Stainless Steel, Add	138.53	
For Aluminum, Add	7.79	
For Galvanized Steel, Add	26.84	
For 304 Stainless Steel, Add	123.38	
05 12 23 00-0632 LF 2-1/8" Carbon Steel Rounds, ASTM A108.....	66.95	
For 316 Stainless Steel, Add	158.21	
For Aluminum, Add	8.90	
For Galvanized Steel, Add	30.65	
For 304 Stainless Steel, Add	140.90	
05 12 23 00-0633 LF 2-1/4" Carbon Steel Rounds, ASTM A108.....	75.73	
For 316 Stainless Steel, Add	177.89	
For Aluminum, Add	10.01	
For Galvanized Steel, Add	34.47	
For 304 Stainless Steel, Add	158.43	
05 12 23 00-0634 LF 2-3/8" Carbon Steel Rounds, ASTM A108.....	86.74	
For 316 Stainless Steel, Add	203.46	
For Aluminum, Add	11.44	
For Galvanized Steel, Add	39.42	
For 304 Stainless Steel, Add	181.20	
05 12 23 00-0635 LF 2-1/2" Carbon Steel Rounds, ASTM A108.....	95.72	
For 316 Stainless Steel, Add	219.26	
For Aluminum, Add	12.33	
For Galvanized Steel, Add	42.48	
For 304 Stainless Steel, Add	195.28	
05 12 23 00-0636 LF 2-5/8" Carbon Steel Rounds, ASTM A108.....	117.25	
For 316 Stainless Steel, Add	278.53	
For Aluminum, Add	15.67	
For Galvanized Steel, Add	53.96	
For 304 Stainless Steel, Add	248.06	
05 12 23 00-0637 LF 2-3/4" Carbon Steel Rounds, ASTM A108.....	133.50	
For 316 Stainless Steel, Add	317.63	
For Aluminum, Add	17.87	
For Galvanized Steel, Add	61.54	
For 304 Stainless Steel, Add	282.89	
05 12 23 00-0638 LF 2-7/8" Carbon Steel Rounds, ASTM A108.....	148.89	
For 316 Stainless Steel, Add	353.95	
For Aluminum, Add	19.91	
For Galvanized Steel, Add	68.58	
For 304 Stainless Steel, Add	315.24	
05 12 23 00-0639 LF 3" Carbon Steel Rounds, ASTM A108.....	156.23	
For 316 Stainless Steel, Add	364.54	
For Aluminum, Add	20.51	
For Galvanized Steel, Add	70.63	
For 304 Stainless Steel, Add	324.67	
05 12 23 00-0640 LF 3-1/8" Carbon Steel Rounds, ASTM A108.....	162.78	
For 316 Stainless Steel, Add	372.64	
For Aluminum, Add	20.96	
For Galvanized Steel, Add	72.20	
For 304 Stainless Steel, Add	331.88	
05 12 23 00-0641 LF 3-1/4" Carbon Steel Rounds, ASTM A108.....	171.57	
For 316 Stainless Steel, Add	387.84	
For Aluminum, Add	21.82	
For Galvanized Steel, Add	75.14	
For 304 Stainless Steel, Add	345.42	
05 12 23 00-0642 LF 3-1/2" Carbon Steel Rounds, ASTM A108.....	209.19	
For 316 Stainless Steel, Add	492.13	
For Aluminum, Add	27.68	
For Galvanized Steel, Add	95.35	
For 304 Stainless Steel, Add	438.30	
05 12 23 00-0643 LF 3-5/8" Carbon Steel Rounds, ASTM A108.....	232.47	
For 316 Stainless Steel, Add	550.53	
For Aluminum, Add	30.97	
For Galvanized Steel, Add	106.66	
For 304 Stainless Steel, Add	490.31	
05 12 23 00-0644 LF 3-3/4" Carbon Steel Rounds, ASTM A108.....	249.51	
For 316 Stainless Steel, Add	588.90	
For Aluminum, Add	33.13	
For Galvanized Steel, Add	114.10	
For 304 Stainless Steel, Add	524.49	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0645	LF		4" Carbon Steel Rounds, ASTM A108.....	280.03	
				<i>For 316 Stainless Steel, Add</i>	670.46	
				<i>For Aluminum, Add</i>	37.71	
				<i>For Galvanized Steel, Add</i>	129.90	
				<i>For 304 Stainless Steel, Add</i>	597.13	
<b>05 12 23 00-0646</b>				<b>Square Stock</b> <small>(05 12 23 00-0408)</small>		
	05 12 23 00-0647	LF		3/8" Square Bar Stock.....	1.95	
				<i>For 316 Stainless Steel, Add</i>	2.46	
				<i>For Aluminum, Add</i>	0.14	
				<i>For Galvanized Steel, Add</i>	0.48	
				<i>For 304 Stainless Steel, Add</i>	2.19	
	05 12 23 00-0648	LF		1/2" Square Bar Stock.....	2.65	
				<i>For 316 Stainless Steel, Add</i>	4.35	
				<i>For Aluminum, Add</i>	0.24	
				<i>For Galvanized Steel, Add</i>	0.84	
				<i>For 304 Stainless Steel, Add</i>	3.88	
	05 12 23 00-0649	LF		5/8" Square Bar Stock.....	3.56	
				<i>For 316 Stainless Steel, Add</i>	6.78	
				<i>For Aluminum, Add</i>	0.38	
				<i>For Galvanized Steel, Add</i>	1.31	
				<i>For 304 Stainless Steel, Add</i>	6.04	
	05 12 23 00-0650	LF		3/4" Square Bar Stock.....	4.78	
				<i>For 316 Stainless Steel, Add</i>	9.79	
				<i>For Aluminum, Add</i>	0.55	
				<i>For Galvanized Steel, Add</i>	1.90	
				<i>For 304 Stainless Steel, Add</i>	8.72	
	05 12 23 00-0651	LF		7/8" Square Bar Stock.....	6.26	
				<i>For 316 Stainless Steel, Add</i>	13.66	
				<i>For Aluminum, Add</i>	0.77	
				<i>For Galvanized Steel, Add</i>	2.65	
				<i>For 304 Stainless Steel, Add</i>	12.17	
	05 12 23 00-0652	LF		1" Square Bar Stock.....	7.81	
				<i>For 316 Stainless Steel, Add</i>	17.47	
				<i>For Aluminum, Add</i>	0.98	
				<i>For Galvanized Steel, Add</i>	3.39	
				<i>For 304 Stainless Steel, Add</i>	15.56	
	05 12 23 00-0653	LF		1-1/4" Square Bar Stock.....	12.22	
				<i>For 316 Stainless Steel, Add</i>	27.26	
				<i>For Aluminum, Add</i>	1.53	
				<i>For Galvanized Steel, Add</i>	5.28	
				<i>For 304 Stainless Steel, Add</i>	24.28	
	05 12 23 00-0654	LF		1-1/2" Square Bar Stock.....	17.45	
				<i>For 316 Stainless Steel, Add</i>	39.30	
				<i>For Aluminum, Add</i>	2.21	
				<i>For Galvanized Steel, Add</i>	7.61	
				<i>For 304 Stainless Steel, Add</i>	35.00	
	05 12 23 00-0655	LF		1-3/4" Square Bar Stock.....	25.70	
				<i>For 316 Stainless Steel, Add</i>	54.62	
				<i>For Aluminum, Add</i>	3.07	
				<i>For Galvanized Steel, Add</i>	10.58	
				<i>For 304 Stainless Steel, Add</i>	48.65	
	05 12 23 00-0656	LF		2" Square Bar Stock.....	36.31	
				<i>For 316 Stainless Steel, Add</i>	69.86	
				<i>For Aluminum, Add</i>	3.93	
				<i>For Galvanized Steel, Add</i>	13.53	
				<i>For 304 Stainless Steel, Add</i>	62.22	
<b>05 12 23 00-0657</b>				<b>Steel Tubing</b> <small>(05 12 23 00-0408)</small>		
				Note: General purpose low-carbon steel.		
<b>05 12 23 00-0658</b>				<b>Square Steel Tubing</b> <small>(05 12 23 00-0657)</small>		
<b>05 12 23 00-0659</b>				<b>0.06" Wall Thickness</b> <small>(05 12 23 00-0658)</small>		
	05 12 23 00-0660	LF		1/2" x 1/2" x 0.06" Square Steel Tubing.....	2.76	0.55
				<i>For &gt;100 To 250, Deduct</i>	-0.06	
				<i>For &gt;250 To 500, Deduct</i>	-0.13	
				<i>For &gt;500 To 1,000, Deduct</i>	-0.21	
				<i>For &gt;1,000, Deduct</i>	-0.30	
				<i>For Galvanized Steel, Add</i>	1.25	
	05 12 23 00-0661	LF		3/4" x 3/4" x 0.06" Square Steel Tubing.....	4.23	0.88
				<i>For &gt;100 To 250, Deduct</i>	-0.09	
				<i>For &gt;250 To 500, Deduct</i>	-0.19	
				<i>For &gt;500 To 1,000, Deduct</i>	-0.33	
				<i>For &gt;1,000, Deduct</i>	-0.46	
				<i>For Galvanized Steel, Add</i>	1.90	
	05 12 23 00-0662	LF		1" x 1" x 0.06" Square Steel Tubing.....	5.68	1.59
				<i>For &gt;100 To 250, Deduct</i>	-0.12	
				<i>For &gt;250 To 500, Deduct</i>	-0.26	
				<i>For &gt;500 To 1,000, Deduct</i>	-0.44	
				<i>For &gt;1,000, Deduct</i>	-0.62	
				<i>For Galvanized Steel, Add</i>	2.54	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0663	LF 1-1/4" x 1-1/4" x 0.06" Square Steel Tubing.....	7.52	1.51
	<i>For &gt;100 To 250, Deduct</i>	-0.15	
	<i>For &gt;250 To 500, Deduct</i>	-0.34	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.58	
	<i>For &gt;1,000, Deduct</i>	-0.82	
	<i>For Galvanized Steel, Add</i>	3.41	
05 12 23 00-0664	LF 1-1/2" x 1-1/2" x 0.06" Square Steel Tubing.....	8.89	1.82
	<i>For &gt;100 To 250, Deduct</i>	-0.18	
	<i>For &gt;250 To 500, Deduct</i>	-0.40	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.69	
	<i>For &gt;1,000, Deduct</i>	-0.97	
	<i>For Galvanized Steel, Add</i>	4.01	
<b>05 12 23 00-0665</b>	<b>0.083" Wall Thickness</b> (05 12 23 00-0658)		
05 12 23 00-0666	LF 3/4" x 3/4" x 0.083" Square Steel Tubing.....	4.91	1.03
	<i>For &gt;100 To 250, Deduct</i>	-0.10	
	<i>For &gt;250 To 500, Deduct</i>	-0.22	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.38	
	<i>For &gt;1,000, Deduct</i>	-0.54	
	<i>For Galvanized Steel, Add</i>	2.20	
05 12 23 00-0667	LF 1" x 1" x 0.083" Square Steel Tubing.....	7.17	1.41
	<i>For &gt;100 To 250, Deduct</i>	-0.14	
	<i>For &gt;250 To 500, Deduct</i>	-0.32	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.55	
	<i>For &gt;1,000, Deduct</i>	-0.77	
	<i>For Galvanized Steel, Add</i>	3.29	
05 12 23 00-0668	LF 1-1/4" x 1-1/4" x 0.083" Square Steel Tubing.....	8.65	1.79
	<i>For &gt;100 To 250, Deduct</i>	-0.18	
	<i>For &gt;250 To 500, Deduct</i>	-0.40	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.67	
	<i>For &gt;1,000, Deduct</i>	-0.95	
	<i>For Galvanized Steel, Add</i>	3.88	
05 12 23 00-0669	LF 1-1/2" x 1-1/2" x 0.083" Square Steel Tubing.....	10.45	2.18
	<i>For &gt;100 To 250, Deduct</i>	-0.22	
	<i>For &gt;250 To 500, Deduct</i>	-0.48	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.81	
	<i>For &gt;1,000, Deduct</i>	-1.15	
	<i>For Galvanized Steel, Add</i>	4.68	
05 12 23 00-0670	LF 2" x 2" x 0.083" Square Steel Tubing.....	13.37	2.90
	<i>For &gt;100 To 250, Deduct</i>	-0.29	
	<i>For &gt;250 To 500, Deduct</i>	-0.62	
	<i>For &gt;500 To 1,000, Deduct</i>	-1.05	
	<i>For &gt;1,000, Deduct</i>	-1.49	
	<i>For Galvanized Steel, Add</i>	5.90	
<b>05 12 23 00-0671</b>	<b>0.12" Wall Thickness</b> (05 12 23 00-0658)		
05 12 23 00-0672	LF 1" x 1" x 0.12" Square Steel Tubing.....	7.88	1.67
	<i>For &gt;100 To 250, Deduct</i>	-0.17	
	<i>For &gt;250 To 500, Deduct</i>	-0.36	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.62	
	<i>For &gt;1,000, Deduct</i>	-0.87	
	<i>For Galvanized Steel, Add</i>	3.50	
05 12 23 00-0673	LF 1-1/4" x 1-1/4" x 0.12" Square Steel Tubing.....	10.15	2.15
	<i>For &gt;100 To 250, Deduct</i>	-0.21	
	<i>For &gt;250 To 500, Deduct</i>	-0.47	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.79	
	<i>For &gt;1,000, Deduct</i>	-1.12	
	<i>For Galvanized Steel, Add</i>	4.52	
05 12 23 00-0674	LF 1-1/2" x 1-1/2" x 0.12" Square Steel Tubing.....	12.47	2.62
	<i>For &gt;100 To 250, Deduct</i>	-0.26	
	<i>For &gt;250 To 500, Deduct</i>	-0.57	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.97	
	<i>For &gt;1,000, Deduct</i>	-1.37	
	<i>For Galvanized Steel, Add</i>	5.56	
05 12 23 00-0675	LF 2" x 2" x 0.12" Square Steel Tubing.....	16.88	3.58
	<i>For &gt;100 To 250, Deduct</i>	-0.36	
	<i>For &gt;250 To 500, Deduct</i>	-0.78	
	<i>For &gt;500 To 1,000, Deduct</i>	-1.32	
	<i>For &gt;1,000, Deduct</i>	-1.86	
	<i>For Galvanized Steel, Add</i>	7.51	
<b>05 12 23 00-0676</b>	<b>1/8" Wall Thickness</b> (05 12 23 00-0658)		
05 12 23 00-0677	LF 2" x 2" x 1/8" Square Steel Tubing.....	15.04	3.72
	<i>For &gt;100 To 250, Deduct</i>	-0.37	
	<i>For &gt;250 To 500, Deduct</i>	-0.75	
	<i>For &gt;500 To 1,000, Deduct</i>	-1.25	
	<i>For &gt;1,000, Deduct</i>	-1.75	
	<i>For Galvanized Steel, Add</i>	6.26	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0678	LF		2-1/2" x 2-1/2" x 1/8" Square Steel Tubing ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Galvanized Steel, Add	19.90 -0.47 -0.97 -1.62 -2.28 8.45	4.71
	05 12 23 00-0679	LF		3" x 3" x 1/8" Square Steel Tubing..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Galvanized Steel, Add	23.27 -0.57 -1.15 -1.92 -2.69 9.72	5.69
	05 12 23 00-0680	LF		3-1/2" x 3-1/2" x 1/8" Square Steel Tubing ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Galvanized Steel, Add	26.94 -0.67 -1.34 -2.24 -3.13 11.18	6.68
	05 12 23 00-0681	LF		4" x 4" x 1/8" Square Steel Tubing..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Galvanized Steel, Add	29.60 -0.77 -1.51 -2.50 -3.50 12.00	7.68
<b>05 12 23 00-0682</b>				<b>3/16" Wall Thickness (05 12 23 00-0658)</b>		
	05 12 23 00-0683	LF		2" x 2" x 3/16" Square Steel Tubing..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Galvanized Steel, Add	17.07 -0.42 -0.85 -1.41 -1.98 7.12	4.19
	05 12 23 00-0684	LF		2-1/2" x 2-1/2" x 3/16" Square Steel Tubing ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Galvanized Steel, Add	22.09 -0.54 -1.09 -1.83 -2.56 9.21	5.42
	05 12 23 00-0685	LF		3" x 3" x 3/16" Square Steel Tubing..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Galvanized Steel, Add	27.16 -0.67 -1.35 -2.25 -3.15 11.33	6.66
	05 12 23 00-0686	LF		3-1/2" x 3-1/2" x 3/16" Square Steel Tubing ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Galvanized Steel, Add	32.21 -0.79 -1.60 -2.66 -3.73 13.44	7.90
	05 12 23 00-0687	LF		4" x 4" x 3/16" Square Steel Tubing..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Galvanized Steel, Add	37.23 -0.91 -1.84 -3.08 -4.31 15.53	9.14
	05 12 23 00-0688	LF		4-1/2" x 4-1/2" x 3/16" Square Steel Tubing ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Galvanized Steel, Add	42.29 -1.04 -2.10 -3.50 -4.90 17.64	10.38
	05 12 23 00-0689	LF		5" x 5" x 3/16" Square Steel Tubing..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Galvanized Steel, Add	47.31 -1.16 -2.34 -3.91 -5.48 19.73	11.61
	05 12 23 00-0690	LF		6" x 6" x 3/16" Square Steel Tubing..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Galvanized Steel, Add	57.43 -1.41 -2.85 -4.75 -6.66 23.95	14.10
<b>05 12 23 00-0691</b>				<b>1/4" Wall Thickness (05 12 23 00-0658)</b>		
	05 12 23 00-0692	LF		2" x 2" x 1/4" Square Steel Tubing..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Galvanized Steel, Add	18.29 -0.42 -0.88 -1.47 -2.07 7.87	4.20

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0693	LF		2-1/2" x 2-1/2" x 1/4" Square Steel Tubing.....	24.04	5.51
			<i>For &gt;100 To 250, Deduct</i>	-0.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.15	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.94	
			<i>For &gt;1,000, Deduct</i>	-2.72	
			<i>For Galvanized Steel, Add</i>	10.34	
05 12 23 00-0694	LF		3" x 3" x 1/4" Square Steel Tubing.....	29.79	6.83
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-1.43	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.40	
			<i>For &gt;1,000, Deduct</i>	-3.37	
			<i>For Galvanized Steel, Add</i>	12.82	
05 12 23 00-0695	LF		3-1/2" x 3-1/2" x 1/4" Square Steel Tubing.....	35.53	8.15
			<i>For &gt;100 To 250, Deduct</i>	-0.82	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.86	
			<i>For &gt;1,000, Deduct</i>	-4.02	
			<i>For Galvanized Steel, Add</i>	15.29	
05 12 23 00-0696	LF		4" x 4" x 1/4" Square Steel Tubing.....	41.29	9.47
			<i>For &gt;100 To 250, Deduct</i>	-0.95	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.33	
			<i>For &gt;1,000, Deduct</i>	-4.68	
			<i>For Galvanized Steel, Add</i>	17.76	
05 12 23 00-0697	LF		4-1/2" x 4-1/2" x 1/4" Square Steel Tubing.....	47.03	10.79
			<i>For &gt;100 To 250, Deduct</i>	-1.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.79	
			<i>For &gt;1,000, Deduct</i>	-5.33	
			<i>For Galvanized Steel, Add</i>	20.24	
05 12 23 00-0698	LF		5" x 5" x 1/4" Square Steel Tubing.....	52.82	12.12
			<i>For &gt;100 To 250, Deduct</i>	-1.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.53	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.26	
			<i>For &gt;1,000, Deduct</i>	-5.98	
			<i>For Galvanized Steel, Add</i>	22.72	
05 12 23 00-0699	LF		6" x 6" x 1/4" Square Steel Tubing.....	64.31	14.76
			<i>For &gt;100 To 250, Deduct</i>	-1.48	
			<i>For &gt;250 To 500, Deduct</i>	-3.08	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.18	
			<i>For &gt;1,000, Deduct</i>	-7.28	
			<i>For Galvanized Steel, Add</i>	27.67	
05 12 23 00-0700			Rectangular Steel Tubing (05 12 23 00-0657)		
05 12 23 00-0701			3/16" Wall Thickness (05 12 23 00-0700)		
05 12 23 00-0702	LF		3" x 2" x 3/16" Square Steel Tubing.....	22.09	5.42
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-1.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.83	
			<i>For &gt;1,000, Deduct</i>	-2.56	
			<i>For Galvanized Steel, Add</i>	9.21	
05 12 23 00-0703	LF		4" x 2" x 3/16" Square Steel Tubing.....	27.16	6.66
			<i>For &gt;100 To 250, Deduct</i>	-0.67	
			<i>For &gt;250 To 500, Deduct</i>	-1.35	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.25	
			<i>For &gt;1,000, Deduct</i>	-3.15	
			<i>For Galvanized Steel, Add</i>	11.33	
05 12 23 00-0704	LF		4" x 3" x 3/16" Square Steel Tubing.....	32.21	7.90
			<i>For &gt;100 To 250, Deduct</i>	-0.79	
			<i>For &gt;250 To 500, Deduct</i>	-1.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.66	
			<i>For &gt;1,000, Deduct</i>	-3.73	
			<i>For Galvanized Steel, Add</i>	13.44	
05 12 23 00-0705	LF		5" x 2" x 3/16" Square Steel Tubing.....	32.21	7.90
			<i>For &gt;100 To 250, Deduct</i>	-0.79	
			<i>For &gt;250 To 500, Deduct</i>	-1.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.66	
			<i>For &gt;1,000, Deduct</i>	-3.73	
			<i>For Galvanized Steel, Add</i>	13.44	
05 12 23 00-0706	LF		5" x 3" x 3/16" Square Steel Tubing.....	37.23	9.14
			<i>For &gt;100 To 250, Deduct</i>	-0.91	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.08	
			<i>For &gt;1,000, Deduct</i>	-4.31	
			<i>For Galvanized Steel, Add</i>	15.53	
05 12 23 00-0707	LF		5" x 4" x 3/16" Square Steel Tubing.....	42.29	10.38
			<i>For &gt;100 To 250, Deduct</i>	-1.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.10	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.50	
			<i>For &gt;1,000, Deduct</i>	-4.90	
			<i>For Galvanized Steel, Add</i>	17.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0708 LF 6" x 2" x 3/16" Square Steel Tubing.....	37.23	9.14
For >100 To 250, Deduct	-0.91	
For >250 To 500, Deduct	-1.84	
For >500 To 1,000, Deduct	-3.08	
For >1,000, Deduct	-4.31	
For Galvanized Steel, Add	15.53	
05 12 23 00-0709 LF 6" x 3" x 3/16" Square Steel Tubing.....	42.29	10.38
For >100 To 250, Deduct	-1.04	
For >250 To 500, Deduct	-2.10	
For >500 To 1,000, Deduct	-3.50	
For >1,000, Deduct	-4.90	
For Galvanized Steel, Add	17.64	
05 12 23 00-0710 LF 6" x 4" x 3/16" Square Steel Tubing.....	47.31	11.61
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-2.34	
For >500 To 1,000, Deduct	-3.91	
For >1,000, Deduct	-5.48	
For Galvanized Steel, Add	19.73	
<b>05 12 23 00-0711 1/4" Wall Thickness</b> (05 12 23 00-0700)		
05 12 23 00-0712 LF 3" x 2" x 1/4" Square Steel Tubing.....	24.04	5.51
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-1.15	
For >500 To 1,000, Deduct	-1.94	
For >1,000, Deduct	-2.72	
For Galvanized Steel, Add	10.34	
05 12 23 00-0713 LF 4" x 2" x 1/4" Square Steel Tubing.....	29.79	6.83
For >100 To 250, Deduct	-0.68	
For >250 To 500, Deduct	-1.43	
For >500 To 1,000, Deduct	-2.40	
For >1,000, Deduct	-3.37	
For Galvanized Steel, Add	12.82	
05 12 23 00-0714 LF 4" x 3" x 1/4" Square Steel Tubing.....	35.53	8.15
For >100 To 250, Deduct	-0.82	
For >250 To 500, Deduct	-1.70	
For >500 To 1,000, Deduct	-2.86	
For >1,000, Deduct	-4.02	
For Galvanized Steel, Add	15.29	
05 12 23 00-0715 LF 5" x 2" x 1/4" Square Steel Tubing.....	35.53	8.15
For >100 To 250, Deduct	-0.82	
For >250 To 500, Deduct	-1.70	
For >500 To 1,000, Deduct	-2.86	
For >1,000, Deduct	-4.02	
For Galvanized Steel, Add	15.29	
05 12 23 00-0716 LF 5" x 3" x 1/4" Square Steel Tubing.....	41.29	9.47
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.98	
For >500 To 1,000, Deduct	-3.33	
For >1,000, Deduct	-4.68	
For Galvanized Steel, Add	17.76	
05 12 23 00-0717 LF 5" x 4" x 1/4" Square Steel Tubing.....	47.03	10.79
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-2.26	
For >500 To 1,000, Deduct	-3.79	
For >1,000, Deduct	-5.33	
For Galvanized Steel, Add	20.24	
05 12 23 00-0718 LF 6" x 2" x 1/4" Square Steel Tubing.....	41.29	9.47
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.98	
For >500 To 1,000, Deduct	-3.33	
For >1,000, Deduct	-4.68	
For Galvanized Steel, Add	17.76	
05 12 23 00-0719 LF 6" x 3" x 1/4" Square Steel Tubing.....	47.03	10.79
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-2.26	
For >500 To 1,000, Deduct	-3.79	
For >1,000, Deduct	-5.33	
For Galvanized Steel, Add	20.24	
05 12 23 00-0720 LF 6" x 4" x 1/4" Square Steel Tubing.....	52.82	12.12
For >100 To 250, Deduct	-1.21	
For >250 To 500, Deduct	-2.53	
For >500 To 1,000, Deduct	-4.26	
For >1,000, Deduct	-5.98	
For Galvanized Steel, Add	22.72	
<b>05 12 23 00-0721 Round Steel Tubing</b> (05 12 23 00-0657)		
<b>05 12 23 00-0722 0.065" Wall Thickness</b> (05 12 23 00-0721)		
05 12 23 00-0723 LF 1" Diameter x 0.065" Round Steel Tubing.....	4.91	1.01
For >100 To 250, Deduct	-0.10	
For >250 To 500, Deduct	-0.22	
For >500 To 1,000, Deduct	-0.38	
For >1,000, Deduct	-0.54	
For Galvanized Steel, Add	2.21	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0724	LF 1-1/4" Diameter x 0.065" Round Steel Tubing .....	6.22	1.28
	<i>For &gt;100 To 250, Deduct</i>	-0.13	
	<i>For &gt;250 To 500, Deduct</i>	-0.28	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.48	
	<i>For &gt;1,000, Deduct</i>	-0.68	
	<i>For Galvanized Steel, Add</i>	2.80	
05 12 23 00-0725	LF 1-1/2" Diameter x 0.065" Round Steel Tubing .....	7.54	1.54
	<i>For &gt;100 To 250, Deduct</i>	-0.16	
	<i>For &gt;250 To 500, Deduct</i>	-0.34	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.58	
	<i>For &gt;1,000, Deduct</i>	-0.82	
	<i>For Galvanized Steel, Add</i>	3.39	
05 12 23 00-0726	LF 2" Diameter x 0.065" Round Steel Tubing .....	10.16	2.09
	<i>For &gt;100 To 250, Deduct</i>	-0.21	
	<i>For &gt;250 To 500, Deduct</i>	-0.46	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.79	
	<i>For &gt;1,000, Deduct</i>	-1.11	
	<i>For Galvanized Steel, Add</i>	4.58	
05 12 23 00-0727	LF 2-1/2" Diameter x 0.065" Round Steel Tubing .....	12.79	2.62
	<i>For &gt;100 To 250, Deduct</i>	-0.26	
	<i>For &gt;250 To 500, Deduct</i>	-0.58	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.99	
	<i>For &gt;1,000, Deduct</i>	-1.40	
	<i>For Galvanized Steel, Add</i>	5.76	
05 12 23 00-0728	LF 3" Diameter x 0.065" Round Steel Tubing .....	15.41	3.16
	<i>For &gt;100 To 250, Deduct</i>	-0.32	
	<i>For &gt;250 To 500, Deduct</i>	-0.70	
	<i>For &gt;500 To 1,000, Deduct</i>	-1.19	
	<i>For &gt;1,000, Deduct</i>	-1.68	
	<i>For Galvanized Steel, Add</i>	6.94	
05 12 23 00-0729	LF 3-1/2" Diameter x 0.065" Round Steel Tubing .....	18.05	3.70
	<i>For &gt;100 To 250, Deduct</i>	-0.37	
	<i>For &gt;250 To 500, Deduct</i>	-0.82	
	<i>For &gt;500 To 1,000, Deduct</i>	-1.40	
	<i>For &gt;1,000, Deduct</i>	-1.97	
	<i>For Galvanized Steel, Add</i>	8.13	
05 12 23 00-0730	LF 4" Diameter x 0.065" Round Steel Tubing .....	20.67	4.24
	<i>For &gt;100 To 250, Deduct</i>	-0.42	
	<i>For &gt;250 To 500, Deduct</i>	-0.94	
	<i>For &gt;500 To 1,000, Deduct</i>	-1.60	
	<i>For &gt;1,000, Deduct</i>	-2.26	
	<i>For Galvanized Steel, Add</i>	9.31	
<b>05 12 23 00-0731</b>	<b>0.083" Wall Thickness</b> <small>(05 12 23 00-0721)</small>		
05 12 23 00-0732	LF 1" Diameter x 0.083" Round Steel Tubing .....	5.33	1.11
	<i>For &gt;100 To 250, Deduct</i>	-0.11	
	<i>For &gt;250 To 500, Deduct</i>	-0.24	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.41	
	<i>For &gt;1,000, Deduct</i>	-0.58	
	<i>For Galvanized Steel, Add</i>	2.39	
05 12 23 00-0733	LF 1-1/4" Diameter x 0.083" Round Steel Tubing .....	6.78	1.40
	<i>For &gt;100 To 250, Deduct</i>	-0.14	
	<i>For &gt;250 To 500, Deduct</i>	-0.31	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.53	
	<i>For &gt;1,000, Deduct</i>	-0.74	
	<i>For Galvanized Steel, Add</i>	3.04	
05 12 23 00-0734	LF 1-1/2" Diameter x 0.083" Round Steel Tubing .....	8.24	1.70
	<i>For &gt;100 To 250, Deduct</i>	-0.17	
	<i>For &gt;250 To 500, Deduct</i>	-0.38	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.64	
	<i>For &gt;1,000, Deduct</i>	-0.90	
	<i>For Galvanized Steel, Add</i>	3.70	
05 12 23 00-0735	LF 2" Diameter x 0.083" Round Steel Tubing .....	11.14	2.31
	<i>For &gt;100 To 250, Deduct</i>	-0.23	
	<i>For &gt;250 To 500, Deduct</i>	-0.51	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.86	
	<i>For &gt;1,000, Deduct</i>	-1.22	
	<i>For Galvanized Steel, Add</i>	5.00	
05 12 23 00-0736	LF 2-1/2" Diameter x 0.083" Round Steel Tubing .....	14.06	2.91
	<i>For &gt;100 To 250, Deduct</i>	-0.29	
	<i>For &gt;250 To 500, Deduct</i>	-0.64	
	<i>For &gt;500 To 1,000, Deduct</i>	-1.09	
	<i>For &gt;1,000, Deduct</i>	-1.54	
	<i>For Galvanized Steel, Add</i>	6.31	
05 12 23 00-0737	LF 3" Diameter x 0.083" Round Steel Tubing .....	16.97	3.51
	<i>For &gt;100 To 250, Deduct</i>	-0.35	
	<i>For &gt;250 To 500, Deduct</i>	-0.78	
	<i>For &gt;500 To 1,000, Deduct</i>	-1.32	
	<i>For &gt;1,000, Deduct</i>	-1.86	
	<i>For Galvanized Steel, Add</i>	7.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0738 LF 3-1/2" Diameter x 0.083" Round Steel Tubing .....	19.86	4.11
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.91	
For >500 To 1,000, Deduct	-1.54	
For >1,000, Deduct	-2.17	
For Galvanized Steel, Add	8.92	
05 12 23 00-0739 LF 4" Diameter x 0.083" Round Steel Tubing .....	22.78	4.72
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-1.04	
For >500 To 1,000, Deduct	-1.77	
For >1,000, Deduct	-2.49	
For Galvanized Steel, Add	10.22	
<b>05 12 23 00-0740 0.125" Wall Thickness</b> <small>(05 12 23 00-0721)</small>		
05 12 23 00-0741 LF 2" Diameter x 0.125" Round Steel Tubing .....	11.80	2.91
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.59	
For >500 To 1,000, Deduct	-0.98	
For >1,000, Deduct	-1.37	
For Galvanized Steel, Add	4.91	
05 12 23 00-0742 LF 2-1/2" Diameter x 0.125" Round Steel Tubing .....	14.95	3.69
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.74	
For >500 To 1,000, Deduct	-1.24	
For >1,000, Deduct	-1.74	
For Galvanized Steel, Add	6.22	
05 12 23 00-0743 LF 3" Diameter x 0.125" Round Steel Tubing .....	18.10	4.46
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.90	
For >500 To 1,000, Deduct	-1.50	
For >1,000, Deduct	-2.10	
For Galvanized Steel, Add	7.53	
05 12 23 00-0744 LF 3-1/2" Diameter x 0.125" Round Steel Tubing .....	21.24	5.24
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-1.06	
For >500 To 1,000, Deduct	-1.76	
For >1,000, Deduct	-2.47	
For Galvanized Steel, Add	8.84	
05 12 23 00-0745 LF 4" Diameter x 0.125" Round Steel Tubing .....	24.39	6.03
For >100 To 250, Deduct	-0.60	
For >250 To 500, Deduct	-1.21	
For >500 To 1,000, Deduct	-2.02	
For >1,000, Deduct	-2.83	
For Galvanized Steel, Add	10.14	
<b>05 12 23 00-0746 Flat Steel Bar</b> <small>(05 12 23 00-0406)</small>		
<b>05 12 23 00-0747 1/8" Thick</b> <small>(05 12 23 00-0746)</small>		
05 12 23 00-0748 LF 1/8" Thick x 1" Wide Flat Steel Bar .....	3.22	1.45
For Galvanized Steel, Add	0.64	
05 12 23 00-0749 LF 1/8" Thick x 2" Wide Flat Steel Bar .....	4.99	2.18
For Galvanized Steel, Add	1.07	
05 12 23 00-0750 LF 1/8" Thick x 4" Wide Flat Steel Bar .....	7.74	3.06
For Galvanized Steel, Add	1.95	
05 12 23 00-0751 LF 1/8" Thick x 6" Wide Flat Steel Bar .....	10.49	4.16
For Galvanized Steel, Add	2.64	
<b>05 12 23 00-0752 3/16" Thick</b> <small>(05 12 23 00-0746)</small>		
05 12 23 00-0753 LF 3/16" Thick x 1" Wide Flat Steel Bar .....	4.28	1.80
For Galvanized Steel, Add	0.98	
05 12 23 00-0754 LF 3/16" Thick x 2" Wide Flat Steel Bar .....	6.78	2.70
For Galvanized Steel, Add	1.69	
05 12 23 00-0755 LF 3/16" Thick x 4" Wide Flat Steel Bar .....	9.27	3.10
For Galvanized Steel, Add	2.86	
05 12 23 00-0756 LF 3/16" Thick x 6" Wide Flat Steel Bar .....	12.83	4.30
For Galvanized Steel, Add	3.95	
<b>05 12 23 00-0757 1/4" Thick</b> <small>(05 12 23 00-0746)</small>		
05 12 23 00-0758 LF 1/4" Thick x 1" Wide Flat Steel Bar .....	4.41	1.90
For Galvanized Steel, Add	0.97	
05 12 23 00-0759 LF 1/4" Thick x 2" Wide Flat Steel Bar .....	7.44	2.85
For Galvanized Steel, Add	1.96	
05 12 23 00-0760 LF 1/4" Thick x 4" Wide Flat Steel Bar .....	11.02	3.26
For Galvanized Steel, Add	3.79	
05 12 23 00-0761 LF 1/4" Thick x 6" Wide Flat Steel Bar .....	15.92	4.82
For Galvanized Steel, Add	5.38	
<b>05 12 23 00-0762 3/8" Thick</b> <small>(05 12 23 00-0746)</small>		

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 12 23 00-0763	LF	3/8" Thick x 1" Wide Flat Steel Bar .....	5.66		2.15
		<i>For Galvanized Steel, Add</i>	1.52		
05 12 23 00-0764	LF	3/8" Thick x 2" Wide Flat Steel Bar .....	9.35		3.20
		<i>For Galvanized Steel, Add</i>	2.81		
05 12 23 00-0765	LF	3/8" Thick x 4" Wide Flat Steel Bar .....	14.55		3.66
		<i>For Galvanized Steel, Add</i>	5.61		
05 12 23 00-0766	LF	3/8" Thick x 6" Wide Flat Steel Bar .....	20.89		5.42
		<i>For Galvanized Steel, Add</i>	7.90		
<b>05 12 23 00-0767</b>		<b>1/2" Thick</b> <small>(05 12 23 00-0746)</small>			
05 12 23 00-0768	LF	1/2" Thick x 1" Wide Flat Steel Bar .....	6.68		2.35
		<i>For Galvanized Steel, Add</i>	1.95		
05 12 23 00-0769	LF	1/2" Thick x 2" Wide Flat Steel Bar .....	11.09		3.54
		<i>For Galvanized Steel, Add</i>	3.58		
05 12 23 00-0770	LF	1/2" Thick x 4" Wide Flat Steel Bar .....	15.90		4.02
		<i>For Galvanized Steel, Add</i>	6.10		
05 12 23 00-0771	LF	1/2" Thick x 6" Wide Flat Steel Bar .....	28.59		5.97
		<i>For Galvanized Steel, Add</i>	12.17		
<b>05 12 23 00-0772</b>		<b>Flat Steel Plate</b> <small>(05 12 23 00-0408)</small>			
05 12 23 00-0773	SF	1/8" Thick Flat Steel Plate .....	16.77		6.24
		<i>For 316 Stainless Steel, Add</i>	23.71		
		<i>For Aluminum, Add</i>	1.33		
		<i>For Galvanized Steel, Add</i>	4.59		
		<i>For 304 Stainless Steel, Add</i>	21.12		
05 12 23 00-0774	SF	3/16" Thick Flat Steel Plate .....	18.97		6.46
		<i>For 316 Stainless Steel, Add</i>	29.66		
		<i>For Aluminum, Add</i>	1.67		
		<i>For Galvanized Steel, Add</i>	5.75		
		<i>For 304 Stainless Steel, Add</i>	26.42		
05 12 23 00-0775	SF	1/4" Thick Flat Steel Plate .....	22.68		7.24
		<i>For 316 Stainless Steel, Add</i>	37.82		
		<i>For Aluminum, Add</i>	2.13		
		<i>For Galvanized Steel, Add</i>	7.33		
		<i>For 304 Stainless Steel, Add</i>	33.69		
05 12 23 00-0776	SF	3/8" Thick Flat Steel Plate .....	30.77		8.14
		<i>For 316 Stainless Steel, Add</i>	59.36		
		<i>For Aluminum, Add</i>	3.34		
		<i>For Galvanized Steel, Add</i>	11.50		
		<i>For 304 Stainless Steel, Add</i>	52.87		
05 12 23 00-0777	SF	1/2" Thick Flat Steel Plate .....	36.55		8.95
		<i>For 316 Stainless Steel, Add</i>	73.95		
		<i>For Aluminum, Add</i>	4.16		
		<i>For Galvanized Steel, Add</i>	14.33		
		<i>For 304 Stainless Steel, Add</i>	65.86		
05 12 23 00-0778	SF	3/4" Thick Flat Steel Plate .....	60.13		11.09
		<i>For 316 Stainless Steel, Add</i>	138.66		
		<i>For Aluminum, Add</i>	7.80		
		<i>For Galvanized Steel, Add</i>	26.86		
		<i>For 304 Stainless Steel, Add</i>	123.49		
05 12 23 00-0779	SF	1" Thick Flat Steel Plate .....	80.33		13.86
		<i>For 316 Stainless Steel, Add</i>	189.86		
		<i>For Aluminum, Add</i>	10.68		
		<i>For Galvanized Steel, Add</i>	36.78		
		<i>For 304 Stainless Steel, Add</i>	169.09		
<b>05 14 Structural Aluminum Framing</b> <small>(05 10)</small>					
<b>05 14 13 Architecturally-Exposed Structural Aluminum Framing</b> <small>(05 14)</small>					
<b>05 14 13 00-0001</b>		<b>Rolled Or Plate Shapes</b> <small>(05 14 13)</small>			
		Note: 1" through 10" member.			
05 14 13 00-0002	LB	Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members .....	8.79		0.84
05 14 13 00-0003	LB	Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members .....	7.74		0.77
<b>05 14 13 00-0004</b>		<b>Aluminum Extrusions</b> <small>(05 14 13)</small>			
05 14 13 00-0005	LB	Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members .....	14.29		3.45
05 14 13 00-0006	LB	Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members .....	15.14		3.45
<b>05 14 13 00-0007</b>		<b>Aluminum Tubing</b> <small>(05 14 13)</small>			
05 14 13 00-0008	LB	Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members .....	12.82		2.14
05 14 13 00-0009	LF	1" x 1" Aluminum Tubing, 1/8" Wall Thickness .....	11.41		3.45
05 14 13 00-0010	LF	1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness .....	13.83		3.76
05 14 13 00-0011	LF	1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness .....	15.87		4.39
05 14 13 00-0012	LF	2" x 2" Aluminum Tubing, 1/8" Wall Thickness .....	18.90		4.72
05 14 13 00-0013	LF	4" x 4" Aluminum Tubing, 1/4" Wall Thickness .....	55.56		5.97
05 14 13 00-0014	LF	2" x 5" Aluminum Tubing, 1/4" Wall Thickness .....	45.49		5.34



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 14 13 00-0015			<b>Columns</b> <small>(05 14 13)</small> Note: Baked on paint finish, load bearing.		
05 14 13 00-0016			<b>Round Columns</b> <small>(05 14 13 00-0015)</small>		
05 14 13 00-0017	LF		6" Diameter Aluminum Column.....	51.06	6.75
05 14 13 00-0018	LF		8" Diameter Aluminum Column.....	67.91	9.67
05 14 13 00-0019	LF		10" Diameter Aluminum Column.....	83.03	10.88
05 14 13 00-0020	LF		12" Diameter Aluminum Column.....	125.55	11.39
05 14 13 00-0021	LF		15" Diameter Aluminum Column.....	160.49	13.19
05 14 13 00-0022	EA		6" Diameter Aluminum Base And Cap.....	99.43	12.59
05 14 13 00-0023	EA		8" Diameter Aluminum Base And Cap.....	113.97	13.59
05 14 13 00-0024	EA		10" Diameter Aluminum Base And Cap.....	144.28	15.11
05 14 13 00-0025	EA		12" Diameter Aluminum Base And Cap.....	251.40	16.12
05 14 13 00-0026	EA		15" Diameter Aluminum Base And Cap.....	386.38	17.63
05 14 13 00-0027			<b>Octagonal Columns</b> <small>(05 14 13 00-0015)</small>		
05 14 13 00-0028	LF		6" Diameter Aluminum Column.....	57.13	6.75
05 14 13 00-0029	LF		8" Diameter Aluminum Column.....	77.62	9.67
05 14 13 00-0030	LF		10" Diameter Aluminum Column.....	95.28	10.88
05 14 13 00-0031	LF		12" Diameter Aluminum Column.....	146.12	11.39
05 14 13 00-0032	LF		15" Diameter Aluminum Column.....	187.32	13.19
05 14 13 00-0033	EA		6" Diameter Aluminum Base And Cap.....	114.28	12.59
05 14 13 00-0034	EA		8" Diameter Aluminum Base And Cap.....	131.33	13.59
05 14 13 00-0035	EA		10" Diameter Aluminum Base And Cap.....	167.09	15.11
05 14 13 00-0036	EA		12" Diameter Aluminum Base And Cap.....	295.24	16.12
05 14 13 00-0037	EA		15" Diameter Aluminum Base And Cap.....	456.61	17.63
05 14 13 00-0038			<b>Fluted Columns</b> <small>(05 14 13 00-0015)</small>		
05 14 13 00-0039	LF		6" Diameter Aluminum Column.....	63.69	6.75
05 14 13 00-0040	LF		8" Diameter Aluminum Column.....	86.35	9.67
05 14 13 00-0041	LF		10" Diameter Aluminum Column.....	106.31	10.88
05 14 13 00-0042	LF		12" Diameter Aluminum Column.....	164.64	11.39
05 14 13 00-0043	LF		15" Diameter Aluminum Column.....	211.48	13.19
05 14 13 00-0044	EA		6" Diameter Aluminum Base And Cap.....	127.65	12.59
05 14 13 00-0045	EA		8" Diameter Aluminum Base And Cap.....	146.95	13.59
05 14 13 00-0046	EA		10" Diameter Aluminum Base And Cap.....	187.62	15.11
05 14 13 00-0047	EA		12" Diameter Aluminum Base And Cap.....	334.69	16.12
05 14 13 00-0048	EA		15" Diameter Aluminum Base And Cap.....	519.81	17.63
05 14 13 00-0049			<b>Square Columns</b> <small>(05 14 13 00-0015)</small>		
05 14 13 00-0050	LF		6" Aluminum Column.....	68.17	6.75
05 14 13 00-0051	LF		8" Aluminum Column.....	92.33	9.67
05 14 13 00-0052	LF		10" Aluminum Column.....	113.86	10.88
05 14 13 00-0053	LF		12" Aluminum Column.....	177.30	11.39
05 14 13 00-0054	LF		15" Aluminum Column.....	228.00	13.19
05 14 13 00-0055	EA		6" Aluminum Base And Cap.....	136.79	12.59
05 14 13 00-0056	EA		8" Aluminum Base And Cap.....	157.63	13.59
05 14 13 00-0057	EA		10" Aluminum Base And Cap.....	201.66	15.11
05 14 13 00-0058	EA		12" Aluminum Base And Cap.....	361.67	16.12
05 14 13 00-0059	EA		15" Aluminum Base And Cap.....	563.03	17.63
05 14 13 00-0060			<b>Ornamental Or Decorative Cap And Bases</b> <small>(05 14 13 00-0015)</small>		
05 14 13 00-0061	EA		8" Corinthian Capital And Base.....	786.14	15.11
05 14 13 00-0062	EA		10" Corinthian Capital And Base.....	1,157.84	17.63
05 14 13 00-0063	EA		12" Corinthian Capital And Base.....	1,833.18	20.14
05 14 13 00-0064	EA		8" Scamozzi Capital And Base.....	388.80	15.11
05 14 13 00-0065	EA		10" Scamozzi Capital And Base.....	521.44	17.63
05 14 13 00-0066	EA		12" Scamozzi Capital And Base.....	1,052.06	20.14

**05 15 Wire Rope Assemblies** (05 10)

**05 15 16 Steel Wire Rope Assemblies** (05 15)

**05 15 16 00-0001 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope** (05 15 16)

05 15 16 00-0002	LF	1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....		1.46	0.10
		<i>For &gt;500, Deduct</i>		-0.26	
05 15 16 00-0003	LF	5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....		1.96	0.10
		<i>For &gt;500, Deduct</i>		-0.34	
05 15 16 00-0004	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....		2.32	0.21
		<i>For &gt;500, Deduct</i>		-0.38	

**05 Metals****05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0005	LF		7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.81	0.21
			<i>For &gt;500, Deduct</i> .....	-0.45	
05 15 16 00-0006	LF		1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.25	0.31
			<i>For &gt;500, Deduct</i> .....	-0.51	
05 15 16 00-0007	LF		9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.99	0.41
			<i>For &gt;500, Deduct</i> .....	-0.62	
05 15 16 00-0008	LF		5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.76	0.41
			<i>For &gt;500, Deduct</i> .....	-0.73	
05 15 16 00-0009	LF		3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	6.61	0.73
			<i>For &gt;500, Deduct</i> .....	-1.00	
05 15 16 00-0010	LF		7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	8.88	0.83
			<i>For &gt;500, Deduct</i> .....	-1.33	
05 15 16 00-0011	LF		1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	11.07	1.14
			<i>For &gt;500, Deduct</i> .....	-1.63	
05 15 16 00-0012	LF		1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	13.69	1.45
			<i>For &gt;500, Deduct</i> .....	-2.01	
05 15 16 00-0013	LF		1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	16.69	1.76
			<i>For &gt;500, Deduct</i> .....	-2.45	
05 15 16 00-0014			<b>6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope</b> <small>(05 15 16)</small>		
05 15 16 00-0015	LF		1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.71	0.10
			<i>For &gt;500, Deduct</i> .....	-0.31	
05 15 16 00-0016	LF		5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.21	0.10
			<i>For &gt;500, Deduct</i> .....	-0.39	
05 15 16 00-0017	LF		3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.74	0.21
			<i>For &gt;500, Deduct</i> .....	-0.47	
05 15 16 00-0018	LF		7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.13	0.21
			<i>For &gt;500, Deduct</i> .....	-0.52	
05 15 16 00-0019	LF		1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.72	0.31
			<i>For &gt;500, Deduct</i> .....	-0.60	
05 15 16 00-0020	LF		9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.30	0.41
			<i>For &gt;500, Deduct</i> .....	-0.68	
05 15 16 00-0021	LF		5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	5.02	0.41
			<i>For &gt;500, Deduct</i> .....	-0.78	
05 15 16 00-0022	LF		3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	7.37	0.73
			<i>For &gt;500, Deduct</i> .....	-1.15	
05 15 16 00-0023	LF		7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	9.44	0.83
			<i>For &gt;500, Deduct</i> .....	-1.45	
05 15 16 00-0024	LF		1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	11.62	1.14
			<i>For &gt;500, Deduct</i> .....	-1.75	
05 15 16 00-0025	LF		1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	14.89	1.45
			<i>For &gt;500, Deduct</i> .....	-2.24	
05 15 16 00-0026	LF		1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	18.11	1.76
			<i>For &gt;500, Deduct</i> .....	-2.73	
05 15 16 00-0027			<b>6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope</b> <small>(05 15 16)</small>		
05 15 16 00-0028	LF		1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.36	0.10
			<i>For &gt;500, Deduct</i> .....	-0.24	
05 15 16 00-0029	LF		5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.84	0.10
			<i>For &gt;500, Deduct</i> .....	-0.31	
05 15 16 00-0030	LF		3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.19	0.21
			<i>For &gt;500, Deduct</i> .....	-0.36	
05 15 16 00-0031	LF		7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.57	0.21
			<i>For &gt;500, Deduct</i> .....	-0.40	
05 15 16 00-0032	LF		1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	3.10	0.31
			<i>For &gt;500, Deduct</i> .....	-0.48	
05 15 16 00-0033	LF		9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	3.92	0.41
			<i>For &gt;500, Deduct</i> .....	-0.60	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0034	LF		5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	4.58	0.41
			<i>For &gt;500, Deduct</i>	-0.69	
05 15 16 00-0035	LF		3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	6.44	0.73
			<i>For &gt;500, Deduct</i>	-0.96	
05 15 16 00-0036	LF		7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	7.89	0.83
			<i>For &gt;500, Deduct</i>	-1.14	
05 15 16 00-0037	LF		1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	10.02	1.14
			<i>For &gt;500, Deduct</i>	-1.42	
<b>05 15 16 00-0038</b>			<b>6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope <small>(05 15 16)</small></b>		
05 15 16 00-0039	LF		1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.34	0.10
			<i>For &gt;500, Deduct</i>	-0.23	
05 15 16 00-0040	LF		5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.77	0.10
			<i>For &gt;500, Deduct</i>	-0.30	
05 15 16 00-0041	LF		3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.19	0.21
			<i>For &gt;500, Deduct</i>	-0.36	
05 15 16 00-0042	LF		7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.57	0.21
			<i>For &gt;500, Deduct</i>	-0.40	
05 15 16 00-0043	LF		1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.23	0.31
			<i>For &gt;500, Deduct</i>	-0.50	
05 15 16 00-0044	LF		9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.86	0.41
			<i>For &gt;500, Deduct</i>	-0.59	
05 15 16 00-0045	LF		5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.83	0.41
			<i>For &gt;500, Deduct</i>	-0.74	
05 15 16 00-0046	LF		3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	6.74	0.73
			<i>For &gt;500, Deduct</i>	-1.02	
05 15 16 00-0047	LF		7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	8.82	0.83
			<i>For &gt;500, Deduct</i>	-1.32	
05 15 16 00-0048	LF		1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	10.88	1.14
			<i>For &gt;500, Deduct</i>	-1.60	
<b>05 15 16 00-0049</b>			<b>6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <small>(05 15 16)</small></b>		
05 15 16 00-0050	LF		3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	2.47	0.21
			<i>For &gt;500, Deduct</i>	-0.41	
05 15 16 00-0051	LF		7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	2.91	0.21
			<i>For &gt;500, Deduct</i>	-0.47	
05 15 16 00-0052	LF		1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.40	0.31
			<i>For &gt;500, Deduct</i>	-0.54	
05 15 16 00-0053	LF		9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	4.58	0.41
			<i>For &gt;500, Deduct</i>	-0.73	
05 15 16 00-0054	LF		5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	5.05	0.41
			<i>For &gt;500, Deduct</i>	-0.79	
05 15 16 00-0055	LF		3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	6.90	0.73
			<i>For &gt;500, Deduct</i>	-1.05	
05 15 16 00-0056	LF		7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	8.85	0.83
			<i>For &gt;500, Deduct</i>	-1.33	
05 15 16 00-0057	LF		1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	11.66	1.14
			<i>For &gt;500, Deduct</i>	-1.75	
05 15 16 00-0058	LF		1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	14.13	1.45
			<i>For &gt;500, Deduct</i>	-2.10	
05 15 16 00-0059	LF		1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	17.06	1.76
			<i>For &gt;500, Deduct</i>	-2.52	
<b>05 15 16 00-0060</b>			<b>6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <small>(05 15 16)</small></b>		
05 15 16 00-0061	LF		3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	2.54	0.21
			<i>For &gt;500, Deduct</i>	-0.43	
05 15 16 00-0062	LF		7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.08	0.21
			<i>For &gt;500, Deduct</i>	-0.51	
05 15 16 00-0063	LF		1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.64	0.31
			<i>For &gt;500, Deduct</i>	-0.59	
05 15 16 00-0064	LF		9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	5.09	0.41
			<i>For &gt;500, Deduct</i>	-0.84	

**05 Metals****05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0065	LF		5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	5.13	0.41
			<i>For &gt;500, Deduct</i> .....	-0.80	
05 15 16 00-0066	LF		3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	7.07	0.73
			<i>For &gt;500, Deduct</i> .....	-1.09	
05 15 16 00-0067	LF		7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	9.36	0.83
			<i>For &gt;500, Deduct</i> .....	-1.43	
05 15 16 00-0068	LF		1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	11.83	1.14
			<i>For &gt;500, Deduct</i> .....	-1.78	
<b>05 15 16 00-0069</b>			<b>19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <small>(05 15 16)</small></b>		
05 15 16 00-0070	LF		1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	2.63	0.10
			<i>For &gt;500, Deduct</i> .....	-0.49	
05 15 16 00-0071	LF		5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	2.83	0.10
			<i>For &gt;500, Deduct</i> .....	-0.51	
05 15 16 00-0072	LF		3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	3.33	0.21
			<i>For &gt;500, Deduct</i> .....	-0.59	
05 15 16 00-0073	LF		7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	4.48	0.21
			<i>For &gt;500, Deduct</i> .....	-0.79	
05 15 16 00-0074	LF		1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	5.11	0.21
			<i>For &gt;500, Deduct</i> .....	-0.91	
05 15 16 00-0075	LF		9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	5.90	0.41
			<i>For &gt;500, Deduct</i> .....	-1.00	
05 15 16 00-0076	LF		5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	7.02	0.41
			<i>For &gt;500, Deduct</i> .....	-1.18	
05 15 16 00-0077	LF		3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	9.68	0.62
			<i>For &gt;500, Deduct</i> .....	-1.62	
<b>05 15 16 00-0078</b>			<b>7x7, Galvanized Finish, Aircraft Cable <small>(05 15 16)</small></b>		
05 15 16 00-0079	LF		1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable .....	0.30	0.07
			<i>For &gt;500, Deduct</i> .....	-0.04	
05 15 16 00-0080	LF		3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable .....	0.34	0.08
			<i>For &gt;500, Deduct</i> .....	-0.04	
05 15 16 00-0081	LF		1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable .....	0.39	0.09
			<i>For &gt;500, Deduct</i> .....	-0.05	
05 15 16 00-0082	LF		5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable .....	0.44	0.10
			<i>For &gt;500, Deduct</i> .....	-0.06	
05 15 16 00-0083	LF		3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable .....	0.55	0.10
			<i>For &gt;500, Deduct</i> .....	-0.07	
<b>05 15 16 00-0084</b>			<b>7x19, Galvanized Finish, Aircraft Cable <small>(05 15 16)</small></b>		
05 15 16 00-0085	LF		1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable .....	0.54	0.09
			<i>For &gt;500, Deduct</i> .....	-0.08	
05 15 16 00-0086	LF		5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable .....	0.58	0.10
			<i>For &gt;500, Deduct</i> .....	-0.08	
05 15 16 00-0087	LF		3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable .....	0.67	0.10
			<i>For &gt;500, Deduct</i> .....	-0.10	
05 15 16 00-0088	LF		1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable .....	0.78	0.10
			<i>For &gt;500, Deduct</i> .....	-0.12	
05 15 16 00-0089	LF		5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable .....	1.18	0.10
			<i>For &gt;500, Deduct</i> .....	-0.18	
05 15 16 00-0090	LF		3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable .....	1.58	0.10
			<i>For &gt;500, Deduct</i> .....	-0.24	
<b>05 15 16 00-0091</b>			<b>Heavy Duty, Galvanized Steel, Wire Rope Thimbles <small>(05 15 16)</small></b>		
05 15 16 00-0092	EA		1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	12.86	3.10
05 15 16 00-0093	EA		5/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	14.41	3.10
05 15 16 00-0094	EA		3/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	16.13	3.10
05 15 16 00-0095	EA		7/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	20.85	3.10
05 15 16 00-0096	EA		1/2" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	20.87	3.10
05 15 16 00-0097	EA		9/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	20.87	3.10
05 15 16 00-0098	EA		5/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	22.47	3.10
05 15 16 00-0099	EA		3/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	40.67	4.76
05 15 16 00-0100	EA		7/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	48.08	5.79
05 15 16 00-0101	EA		1" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	85.23	9.52
05 15 16 00-0102	EA		1-1/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	122.01	12.93
05 15 16 00-0103	EA		1-1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	122.01	12.93



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0104			<b>Galvanized Steel, Wire Rope Clips</b> <small>(05 15 16)</small>		
05 15 16 00-0105	EA		1/8" Diameter, Galvanized Steel, Wire Rope Clip.....	14.44	3.10
05 15 16 00-0106	EA		3/16" Diameter, Galvanized Steel, Wire Rope Clip.....	14.70	3.10
05 15 16 00-0107	EA		1/4" Diameter, Galvanized Steel, Wire Rope Clip.....	16.43	3.10
05 15 16 00-0108	EA		5/16" Diameter, Galvanized Steel, Wire Rope Clip.....	16.70	3.10
05 15 16 00-0109	EA		3/8" Diameter, Galvanized Steel, Wire Rope Clip.....	17.09	3.10
05 15 16 00-0110	EA		7/16" Diameter, Galvanized Steel, Wire Rope Clip.....	20.81	3.10
05 15 16 00-0111	EA		1/2" Diameter, Galvanized Steel, Wire Rope Clip.....	21.10	3.10
05 15 16 00-0112	EA		9/16" Diameter, Galvanized Steel, Wire Rope Clip.....	23.85	3.10
05 15 16 00-0113	EA		5/8" Diameter, Galvanized Steel, Wire Rope Clip.....	24.24	3.10
05 15 16 00-0114	EA		3/4" Diameter, Galvanized Steel, Wire Rope Clip.....	33.56	4.14
05 15 16 00-0115	EA		7/8" Diameter, Galvanized Steel, Wire Rope Clip.....	50.55	6.21
05 15 16 00-0116	EA		1" Diameter, Galvanized Steel, Wire Rope Clip.....	55.12	6.21
05 15 16 00-0117	EA		1-1/8" Diameter, Galvanized Steel, Wire Rope Clip.....	65.37	8.27
05 15 16 00-0118	EA		1-1/4" Diameter, Galvanized Steel, Wire Rope Clip.....	95.04	12.42
05 15 16 00-0119			<b>Steel, Open Swage Sockets</b> <small>(05 15 16)</small>		
05 15 16 00-0120	EA		1/4" Diameter, Steel, Open Swage Socket.....	78.63	3.10
05 15 16 00-0121	EA		5/16" Diameter, Steel, Open Swage Socket.....	124.96	3.10
05 15 16 00-0122	EA		3/8" Diameter, Steel, Open Swage Socket.....	129.06	4.14
05 15 16 00-0123	EA		7/16" Diameter, Steel, Open Swage Socket.....	153.73	5.17
05 15 16 00-0124	EA		1/2" Diameter, Steel, Open Swage Socket.....	153.73	5.17
05 15 16 00-0125	EA		9/16" Diameter, Steel, Open Swage Socket.....	226.36	11.38
05 15 16 00-0126	EA		5/8" Diameter, Steel, Open Swage Socket.....	226.36	11.38
05 15 16 00-0127	EA		3/4" Diameter, Steel, Open Swage Socket.....	291.70	21.73
05 15 16 00-0128	EA		7/8" Diameter, Steel, Open Swage Socket.....	393.18	31.04
05 15 16 00-0129	EA		1" Diameter, Steel, Open Swage Socket.....	555.07	47.60
05 15 16 00-0130	EA		1-1/8" Diameter, Steel, Open Swage Socket.....	733.52	74.50
05 15 16 00-0131	EA		1-1/4" Diameter, Steel, Open Swage Socket.....	854.10	85.89
05 15 16 00-0132			<b>Steel, Closed Swage Sockets</b> <small>(05 15 16)</small>		
05 15 16 00-0133	EA		1/4" Diameter, Steel, Closed Swage Socket.....	63.44	3.10
05 15 16 00-0134	EA		5/16" Diameter, Steel, Closed Swage Socket.....	85.54	3.10
05 15 16 00-0135	EA		3/8" Diameter, Steel, Closed Swage Socket.....	85.54	3.10
05 15 16 00-0136	EA		7/16" Diameter, Steel, Closed Swage Socket.....	106.81	4.14
05 15 16 00-0137	EA		1/2" Diameter, Steel, Closed Swage Socket.....	107.95	4.14
05 15 16 00-0138	EA		9/16" Diameter, Steel, Closed Swage Socket.....	148.83	7.25
05 15 16 00-0139	EA		5/8" Diameter, Steel, Closed Swage Socket.....	153.76	8.27
05 15 16 00-0140	EA		3/4" Diameter, Steel, Closed Swage Socket.....	191.01	13.45
05 15 16 00-0141	EA		7/8" Diameter, Steel, Closed Swage Socket.....	247.83	19.66
05 15 16 00-0142	EA		1" Diameter, Steel, Closed Swage Socket.....	354.41	26.90
05 15 16 00-0143	EA		1-1/8" Diameter, Steel, Closed Swage Socket.....	440.45	37.25
05 15 16 00-0144	EA		1-1/4" Diameter, Steel, Closed Swage Socket.....	599.86	57.95
05 15 16 00-0145			<b>Galvanized Steel, Open Spelter Sockets</b> <small>(05 15 16)</small>		
05 15 16 00-0146	EA		1/4" Galvanized Steel, Open Spelter Socket.....	131.02	3.10
05 15 16 00-0147	EA		5/16" Galvanized Steel, Open Spelter Socket.....	134.68	3.10
05 15 16 00-0148	EA		3/8" Galvanized Steel, Open Spelter Socket.....	134.68	3.10
05 15 16 00-0149	EA		7/16" Galvanized Steel, Open Spelter Socket.....	151.27	6.21
05 15 16 00-0150	EA		1/2" Galvanized Steel, Open Spelter Socket.....	151.27	6.21
05 15 16 00-0151	EA		9/16" Galvanized Steel, Open Spelter Socket.....	199.30	10.35
05 15 16 00-0152	EA		5/8" Galvanized Steel, Open Spelter Socket.....	199.30	10.35
05 15 16 00-0153	EA		3/4" Galvanized Steel, Open Spelter Socket.....	253.31	15.52
05 15 16 00-0154	EA		7/8" Galvanized Steel, Open Spelter Socket.....	379.85	25.87
05 15 16 00-0155	EA		1" Galvanized Steel, Open Spelter Socket.....	688.19	40.35
05 15 16 00-0156	EA		1-1/8" Galvanized Steel, Open Spelter Socket.....	815.44	65.19
05 15 16 00-0157	EA		1-1/4" Galvanized Steel, Open Spelter Socket.....	1,101.77	85.89
05 15 16 00-0158			<b>Galvanized Steel, Closed Spelter Sockets</b> <small>(05 15 16)</small>		
05 15 16 00-0159	EA		1/4" Galvanized Steel, Closed Spelter Socket.....	110.00	3.10
05 15 16 00-0160	EA		5/16" Galvanized Steel, Closed Spelter Socket.....	110.46	3.10
05 15 16 00-0161	EA		3/8" Galvanized Steel, Closed Spelter Socket.....	110.46	3.10
05 15 16 00-0162	EA		7/16" Galvanized Steel, Closed Spelter Socket.....	124.42	5.17
05 15 16 00-0163	EA		1/2" Galvanized Steel, Closed Spelter Socket.....	124.42	5.17
05 15 16 00-0164	EA		9/16" Galvanized Steel, Closed Spelter Socket.....	174.95	9.31
05 15 16 00-0165	EA		5/8" Galvanized Steel, Closed Spelter Socket.....	174.95	9.31
05 15 16 00-0166	EA		3/4" Galvanized Steel, Closed Spelter Socket.....	215.54	13.45
05 15 16 00-0167	EA		7/8" Galvanized Steel, Closed Spelter Socket.....	314.99	20.69
05 15 16 00-0168	EA		1" Galvanized Steel, Closed Spelter Socket.....	476.07	32.08
05 15 16 00-0169	EA		1-1/8" Galvanized Steel, Closed Spelter Socket.....	623.51	43.46
05 15 16 00-0170	EA		1-1/4" Galvanized Steel, Closed Spelter Socket.....	786.70	57.95
05 15 16 00-0171			<b>Forged Steel, Jaw And Jaw Turnbuckles</b> <small>(05 15 16)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0172	EA	1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle	.....	75.93	3.10
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-9.84	
05 15 16 00-0173	EA	5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle	.....	81.39	3.10
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-10.66	
05 15 16 00-0174	EA	3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	.....	91.49	3.10
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-12.17	
05 15 16 00-0175	EA	1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle	.....	101.81	4.14
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-12.66	
05 15 16 00-0176	EA	1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle	.....	133.89	5.17
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-16.85	
05 15 16 00-0177	EA	1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	.....	152.13	6.21
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-19.08	
05 15 16 00-0178	EA	5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	.....	155.28	8.27
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-18.52	
05 15 16 00-0179	EA	5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle	.....	191.81	8.27
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-23.60	
05 15 16 00-0180	EA	5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	.....	217.65	9.31
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-27.10	
05 15 16 00-0181	EA	3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle	.....	209.46	11.38
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-24.81	
05 15 16 00-0182	EA	3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle	.....	238.72	13.45
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-27.64	
05 15 16 00-0183	EA	3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	.....	294.32	14.48
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-35.28	
05 15 16 00-0184	EA	3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	.....	354.09	17.59
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-42.41	
05 15 16 00-0185	EA	7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	.....	404.06	24.83
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-45.83	
05 15 16 00-0186	EA	7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle	.....	489.82	28.98
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-56.23	
05 15 16 00-0187	EA	1" x 6", Forged Steel, Jaw And Jaw Turnbuckle	.....	419.52	24.83
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-48.15	
05 15 16 00-0188	EA	1" x 12", Forged Steel, Jaw And Jaw Turnbuckle	.....	481.01	32.08
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-52.75	
05 15 16 00-0189	EA	1" x 18", Forged Steel, Jaw And Jaw Turnbuckle	.....	658.47	40.35
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-74.89	
05 15 16 00-0190	EA	1" x 24", Forged Steel, Jaw And Jaw Turnbuckle	.....	736.94	47.60
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-82.32	
05 15 16 00-0191	EA	1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	.....	822.37	57.95
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-88.86	
05 15 16 00-0192	EA	1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	.....	991.78	65.19
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-109.96	
05 15 16 00-0193	EA	1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle	.....	1,282.33	74.50
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-148.00	
05 15 16 00-0194	EA	1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	.....	1,269.40	79.68
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-142.65	
05 15 16 00-0195	EA	1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle	.....	1,400.59	103.47
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-148.00	
05 15 16 00-0196	EA	1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	.....	2,508.60	134.51
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-298.68	
05 15 16 00-0197	EA	2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	.....	4,125.58	258.69
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	.....	-463.63	
<b>05 15 16 00-0198</b>		<b>Galvanized Steel, Drop Forged, Shoulder Eye Bolts</b> <small>(05 15 16)</small>			
05 15 16 00-0199	EA	1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	.....	16.22	
05 15 16 00-0200	EA	5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	.....	16.29	
05 15 16 00-0201	EA	3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	.....	18.34	
05 15 16 00-0202	EA	7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	.....	21.90	
05 15 16 00-0203	EA	1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	.....	21.80	
05 15 16 00-0204	EA	5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	.....	29.77	
05 15 16 00-0205	EA	3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	.....	35.73	
05 15 16 00-0206	EA	7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	.....	48.26	
05 15 16 00-0207	EA	1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	.....	64.69	
05 15 16 00-0208	EA	1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	.....	94.10	
05 15 16 00-0209	EA	1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	.....	111.95	
05 15 16 00-0210	EA	1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	.....	203.37	
05 15 16 00-0211	EA	1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	.....	233.25	
05 15 16 00-0212	EA	2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	.....	288.44	
<b>05 15 16 00-0213</b>		<b>Galvanized Steel, Drop Forged, Eye Bolts</b> <small>(05 15 16)</small>			
05 15 16 00-0214	EA	1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	.....	21.29	
05 15 16 00-0215	EA	1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	.....	19.23	
05 15 16 00-0216	EA	5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	.....	26.04	
05 15 16 00-0217	EA	5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	.....	17.52	
05 15 16 00-0218	EA	3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	.....	23.60	
05 15 16 00-0219	EA	3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	.....	35.53	
05 15 16 00-0220	EA	3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	.....	34.46	
05 15 16 00-0221	EA	3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	.....	32.75	
05 15 16 00-0222	EA	3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	.....	29.37	
05 15 16 00-0223	EA	3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	.....	30.32	
05 15 16 00-0224	EA	1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	.....	26.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0225 EA 1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	21.41	
05 15 16 00-0226 EA 1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	27.85	
05 15 16 00-0227 EA 1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	37.99	
05 15 16 00-0228 EA 1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	28.88	
05 15 16 00-0229 EA 1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	46.41	
05 15 16 00-0230 EA 1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	40.86	
05 15 16 00-0231 EA 1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	37.29	
05 15 16 00-0232 EA 1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	43.85	
05 15 16 00-0233 EA 5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	44.50	
05 15 16 00-0234 EA 5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	39.64	
05 15 16 00-0235 EA 5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	49.85	
05 15 16 00-0236 EA 5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	57.12	
05 15 16 00-0237 EA 5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	65.87	
05 15 16 00-0238 EA 5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	54.44	
05 15 16 00-0239 EA 3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	54.40	
05 15 16 00-0240 EA 3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	55.49	
05 15 16 00-0241 EA 3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	61.32	
05 15 16 00-0242 EA 3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	66.14	
05 15 16 00-0243 EA 3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	77.27	
05 15 16 00-0244 EA 1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	102.29	

**05 15 19 Stainless Steel Wire Rope Assemblies (05 15)**

**05 15 19 00-0001 7x7, 304 Stainless Steel, Aircraft Cable (05 15 19)**

05 15 19 00-0002 LF 1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.26	0.07
For >500, Deduct	-0.03	
05 15 19 00-0003 LF 3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.33	0.08
For >500, Deduct	-0.04	
05 15 19 00-0004 LF 1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.43	0.09
For >500, Deduct	-0.06	
05 15 19 00-0005 LF 5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.55	0.10
For >500, Deduct	-0.08	
05 15 19 00-0006 LF 3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.70	0.10
For >500, Deduct	-0.10	

**05 15 19 00-0007 7x19, 304 Stainless Steel, Aircraft Cable (05 15 19)**

05 15 19 00-0008 LF 1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	0.49	0.09
For >500, Deduct	-0.07	
05 15 19 00-0009 LF 5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	0.56	0.10
For >500, Deduct	-0.08	
05 15 19 00-0010 LF 3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	0.66	0.10
For >500, Deduct	-0.09	
05 15 19 00-0011 LF 1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	0.83	0.10
For >500, Deduct	-0.13	
05 15 19 00-0012 LF 5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	1.26	0.10
For >500, Deduct	-0.20	
05 15 19 00-0013 LF 3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	1.88	0.21
For >500, Deduct	-0.30	

**05 15 19 00-0014 7x7, 316 Stainless Steel, Aircraft Cable (05 15 19)**

05 15 19 00-0015 LF 1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.26	0.07
For >500, Deduct	-0.03	
05 15 19 00-0016 LF 3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.33	0.08
For >500, Deduct	-0.04	
05 15 19 00-0017 LF 1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.43	0.09
For >500, Deduct	-0.06	
05 15 19 00-0018 LF 5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.55	0.10
For >500, Deduct	-0.08	
05 15 19 00-0019 LF 3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.70	0.10
For >500, Deduct	-0.10	

**05 15 19 00-0020 7x19, 316 Stainless Steel, Aircraft Cable (05 15 19)**

05 15 19 00-0021 LF 1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	0.49	0.09
For >500, Deduct	-0.07	
05 15 19 00-0022 LF 5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	0.56	0.10
For >500, Deduct	-0.08	
05 15 19 00-0023 LF 3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	0.66	0.10
For >500, Deduct	-0.09	
05 15 19 00-0024 LF 1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	0.83	0.10
For >500, Deduct	-0.13	
05 15 19 00-0025 LF 5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	1.26	0.10
For >500, Deduct	-0.20	
05 15 19 00-0026 LF 3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	1.88	0.10
For >500, Deduct	-0.30	

**05 20 Metal Joists (05)**

Note: Includes all connecting bolts and welds.

05	<b>05 Metals</b>
	<b>05 20 Metal Joists</b>
	<b>05 21 Steel Joist Framing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 21 Steel Joist Framing (05 20)

**05 21 19 Open Web Steel Joist Framing** (05 21)

**05 21 19 00-0001 Open Web Joists** (05 21 19)

05 21 19 00-0002	TON H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging.....	2,613.50	180.01
	<i>For Welded Cross Bridging, Add</i>	225.02	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	223.61	
05 21 19 00-0003	TON H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging.....	2,397.07	168.77
	<i>For Welded Cross Bridging, Add</i>	200.02	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	207.64	
05 21 19 00-0004	TON LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging.....	2,885.31	168.77
	<i>For Welded Cross Bridging, Add</i>	207.71	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	263.15	
05 21 19 00-0005	TON DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging.....	3,275.17	168.77
	<i>For Welded Cross Bridging, Add</i>	207.71	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	309.94	
05 21 19 00-0006	TON CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging .....	2,894.27	168.77
	<i>For Welded Cross Bridging, Add</i>	225.02	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	257.31	
05 21 19 00-0007	TON SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging .....	3,616.29	168.77
	<i>For Welded Cross Bridging, Add</i>	207.71	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	350.87	

05 30 Metal Decking (05)

Note: Includes all connecting bolts and welds.

05 31 Steel Decking (05 30)

See CSI section 03 30 00 00-0000 for concrete where required.

**05 31 13 Steel Floor Decking** (05 31)

Note: Floor or roof decking

**05 31 13 00-0001 Open Ribbed Galvanized Steel Deck** (05 31 13)

05 31 13 00-0002	SF 1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck .....	3.12	0.47
	<i>For Painted, Deduct</i>	-0.13	
	<i>For Perforated Or Slotted, Add</i>	0.13	
	<i>For Site Installed Insulation Between Ribs, Add</i>	0.82	
	<i>For Up To 100, Add</i>	0.83	
	<i>For &gt;100 To 500, Add</i>	0.49	
	<i>For &gt;500 To 1,500, Add</i>	0.15	
05 31 13 00-0003	SF 1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck .....	3.55	0.55
	<i>For Painted, Deduct</i>	-0.14	
	<i>For Perforated Or Slotted, Add</i>	0.14	
	<i>For Site Installed Insulation Between Ribs, Add</i>	0.94	
	<i>For Up To 100, Add</i>	0.97	
	<i>For &gt;100 To 500, Add</i>	0.56	
	<i>For &gt;500 To 1,500, Add</i>	0.17	
05 31 13 00-0004	SF 1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck .....	4.46	0.66
	<i>For Painted, Deduct</i>	-0.18	
	<i>For Perforated Or Slotted, Add</i>	0.18	
	<i>For Site Installed Insulation Between Ribs, Add</i>	1.18	
	<i>For Up To 100, Add</i>	1.18	
	<i>For &gt;100 To 500, Add</i>	0.69	
	<i>For &gt;500 To 1,500, Add</i>	0.21	
05 31 13 00-0005	SF 1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck .....	3.43	0.53
	<i>For Painted, Deduct</i>	-0.14	
	<i>For Perforated Or Slotted, Add</i>	0.14	
	<i>For Site Installed Insulation Between Ribs, Add</i>	0.91	
	<i>For Up To 100, Add</i>	0.94	
	<i>For &gt;100 To 500, Add</i>	0.54	
	<i>For &gt;500 To 1,500, Add</i>	0.17	
05 31 13 00-0006	SF 1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck .....	3.94	0.60
	<i>For Painted, Deduct</i>	-0.16	
	<i>For Perforated Or Slotted, Add</i>	0.16	
	<i>For Site Installed Insulation Between Ribs, Add</i>	1.04	
	<i>For Up To 100, Add</i>	1.07	
	<i>For &gt;100 To 500, Add</i>	0.62	
	<i>For &gt;500 To 1,500, Add</i>	0.19	
05 31 13 00-0007	SF 1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck .....	4.96	0.74
	<i>For Painted, Deduct</i>	-0.20	
	<i>For Perforated Or Slotted, Add</i>	0.20	
	<i>For Site Installed Insulation Between Ribs, Add</i>	1.31	
	<i>For Up To 100, Add</i>	1.33	
	<i>For &gt;100 To 500, Add</i>	0.78	
	<i>For &gt;500 To 1,500, Add</i>	0.23	
05 31 13 00-0008	SF 2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck .....	3.88	0.56
	<i>For Painted, Deduct</i>	-0.16	
	<i>For Perforated Or Slotted, Add</i>	0.16	
	<i>For Site Installed Insulation Between Ribs, Add</i>	1.02	
	<i>For Up To 100, Add</i>	1.01	
	<i>For &gt;100 To 500, Add</i>	0.60	
	<i>For &gt;500 To 1,500, Add</i>	0.17	



	<b>Metals</b>	<b>05</b>
	Metal Decking	05 30
	Steel Decking	05 31

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31	13 00-0009	SF	2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	4.50	0.64
			<i>For Painted, Deduct</i>	-0.19	
			<i>For Perforated Or Slotted, Add</i>	0.19	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.18	
			<i>For Up To 100, Add</i>	1.16	
			<i>For &gt;100 To 500, Add</i>	0.69	
			<i>For &gt;500 To 1,500, Add</i>	0.20	
05 31	13 00-0010	SF	2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	5.56	0.72
			<i>For Painted, Deduct</i>	-0.23	
			<i>For Perforated Or Slotted, Add</i>	0.23	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.46	
			<i>For Up To 100, Add</i>	1.37	
			<i>For &gt;100 To 500, Add</i>	0.83	
			<i>For &gt;500 To 1,500, Add</i>	0.23	
05 31	13 00-0011	SF	2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	7.00	0.78
			<i>For Painted, Deduct</i>	-0.30	
			<i>For Perforated Or Slotted, Add</i>	0.30	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.82	
			<i>For Up To 100, Add</i>	1.58	
			<i>For &gt;100 To 500, Add</i>	0.99	
			<i>For &gt;500 To 1,500, Add</i>	0.25	
05 31	13 00-0012	SF	3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	4.34	0.58
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.14	
			<i>For Up To 100, Add</i>	1.09	
			<i>For &gt;100 To 500, Add</i>	0.65	
			<i>For &gt;500 To 1,500, Add</i>	0.18	
05 31	13 00-0013	SF	3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	5.06	0.66
			<i>For Painted, Deduct</i>	-0.21	
			<i>For Perforated Or Slotted, Add</i>	0.21	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.33	
			<i>For Up To 100, Add</i>	1.24	
			<i>For &gt;100 To 500, Add</i>	0.75	
			<i>For &gt;500 To 1,500, Add</i>	0.21	
05 31	13 00-0014	SF	3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	6.31	0.81
			<i>For Painted, Deduct</i>	-0.26	
			<i>For Perforated Or Slotted, Add</i>	0.26	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.65	
			<i>For Up To 100, Add</i>	1.55	
			<i>For &gt;100 To 500, Add</i>	0.94	
			<i>For &gt;500 To 1,500, Add</i>	0.26	
05 31	13 00-0015	SF	3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	7.95	1.00
			<i>For Painted, Deduct</i>	-0.34	
			<i>For Perforated Or Slotted, Add</i>	0.34	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.08	
			<i>For Up To 100, Add</i>	1.91	
			<i>For &gt;100 To 500, Add</i>	1.17	
			<i>For &gt;500 To 1,500, Add</i>	0.31	
05 31	13 00-0016	SF	4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	11.56	
			<i>For Painted, Deduct</i>	-0.53	
			<i>For Perforated Or Slotted, Add</i>	0.53	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.96	
			<i>For Up To 100, Add</i>	1.97	
			<i>For &gt;100 To 500, Add</i>	1.43	
			<i>For &gt;500 To 1,500, Add</i>	0.23	
05 31	13 00-0017	SF	4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	14.58	0.81
			<i>For Painted, Deduct</i>	-0.68	
			<i>For Perforated Or Slotted, Add</i>	0.68	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.72	
			<i>For Up To 100, Add</i>	2.38	
			<i>For &gt;100 To 500, Add</i>	1.76	
			<i>For &gt;500 To 1,500, Add</i>	0.26	
05 31	13 00-0018	SF	6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	13.53	0.81
			<i>For Painted, Deduct</i>	-0.63	
			<i>For Perforated Or Slotted, Add</i>	0.63	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.46	
			<i>For Up To 100, Add</i>	2.27	
			<i>For &gt;100 To 500, Add</i>	1.66	
			<i>For &gt;500 To 1,500, Add</i>	0.26	
05 31	13 00-0019	SF	6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	14.18	1.00
			<i>For Painted, Deduct</i>	-0.65	
			<i>For Perforated Or Slotted, Add</i>	0.65	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.64	
			<i>For Up To 100, Add</i>	2.53	
			<i>For &gt;100 To 500, Add</i>	1.79	
			<i>For &gt;500 To 1,500, Add</i>	0.31	
05 31	13 00-0020	SF	6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	17.71	1.21
			<i>For Painted, Deduct</i>	-0.81	
			<i>For Perforated Or Slotted, Add</i>	0.81	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.54	
			<i>For Up To 100, Add</i>	3.13	
			<i>For &gt;100 To 500, Add</i>	2.22	
			<i>For &gt;500 To 1,500, Add</i>	0.38	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0021	SF		7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	15.67	1.09
			<i>For Painted, Deduct</i>	-0.72	
			<i>For Perforated Or Slotted, Add</i>	0.72	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.02	
			<i>For Up To 100, Add</i>	2.79	
			<i>For &gt;100 To 500, Add</i>	1.98	
			<i>For &gt;500 To 1,500, Add</i>	0.34	
05 31 13 00-0022	SF		7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	19.54	1.32
			<i>For Painted, Deduct</i>	-0.89	
			<i>For Perforated Or Slotted, Add</i>	0.89	
			<i>For Site Installed Insulation Between Ribs, Add</i>	5.01	
			<i>For Up To 100, Add</i>	3.45	
			<i>For &gt;100 To 500, Add</i>	2.45	
			<i>For &gt;500 To 1,500, Add</i>	0.42	
<b>05 31 13 00-0023</b>			<b>Cellular Galvanized Steel Deck</b> <small>(05 31 13)</small>		
			Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.		
05 31 13 00-0024	SF		1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	10.35	0.83
			<i>For Painted, Deduct</i>	-0.47	
			<i>For Perforated Or Slotted, Add</i>	0.47	
			<i>For Insulated Cells, Add</i>	2.09	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.66	
			<i>For Up To 100, Add</i>	1.98	
			<i>For &gt;100 To 500, Add</i>	1.35	
			<i>For &gt;500 To 1,500, Add</i>	0.26	
05 31 13 00-0025	SF		1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	11.23	1.11
			<i>For Painted, Deduct</i>	-0.49	
			<i>For Perforated Or Slotted, Add</i>	0.49	
			<i>For Insulated Cells, Add</i>	2.22	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.91	
			<i>For Up To 100, Add</i>	2.37	
			<i>For &gt;100 To 500, Add</i>	1.54	
			<i>For &gt;500 To 1,500, Add</i>	0.35	
05 31 13 00-0026	SF		1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	12.72	0.87
			<i>For Painted, Deduct</i>	-0.58	
			<i>For Perforated Or Slotted, Add</i>	0.58	
			<i>For Insulated Cells, Add</i>	2.61	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.26	
			<i>For Up To 100, Add</i>	2.26	
			<i>For &gt;100 To 500, Add</i>	1.60	
			<i>For &gt;500 To 1,500, Add</i>	0.28	
05 31 13 00-0027	SF		1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	13.75	1.17
			<i>For Painted, Deduct</i>	-0.61	
			<i>For Perforated Or Slotted, Add</i>	0.61	
			<i>For Insulated Cells, Add</i>	2.77	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.55	
			<i>For Up To 100, Add</i>	2.69	
			<i>For &gt;100 To 500, Add</i>	1.81	
			<i>For &gt;500 To 1,500, Add</i>	0.37	
05 31 13 00-0028	SF		3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	14.55	1.07
			<i>For Painted, Deduct</i>	-0.66	
			<i>For Perforated Or Slotted, Add</i>	0.66	
			<i>For Insulated Cells, Add</i>	2.98	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.74	
			<i>For Up To 100, Add</i>	2.63	
			<i>For &gt;100 To 500, Add</i>	1.85	
			<i>For &gt;500 To 1,500, Add</i>	0.33	
05 31 13 00-0029	SF		3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	17.41	1.23
			<i>For Painted, Deduct</i>	-0.79	
			<i>For Perforated Or Slotted, Add</i>	0.79	
			<i>For Insulated Cells, Add</i>	3.57	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.47	
			<i>For Up To 100, Add</i>	3.13	
			<i>For &gt;100 To 500, Add</i>	2.20	
			<i>For &gt;500 To 1,500, Add</i>	0.39	
05 31 13 00-0030	SF		3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	19.53	1.32
			<i>For Painted, Deduct</i>	-0.89	
			<i>For Perforated Or Slotted, Add</i>	0.89	
			<i>For Insulated Cells, Add</i>	4.02	
			<i>For Site Installed Insulation Between Ribs, Add</i>	5.01	
			<i>For Up To 100, Add</i>	3.45	
			<i>For &gt;100 To 500, Add</i>	2.45	
			<i>For &gt;500 To 1,500, Add</i>	0.42	
05 31 13 00-0031	SF		3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	21.10	1.42
			<i>For Painted, Deduct</i>	-0.97	
			<i>For Perforated Or Slotted, Add</i>	0.97	
			<i>For Insulated Cells, Add</i>	4.35	
			<i>For Site Installed Insulation Between Ribs, Add</i>	5.41	
			<i>For Up To 100, Add</i>	3.71	
			<i>For &gt;100 To 500, Add</i>	2.64	
			<i>For &gt;500 To 1,500, Add</i>	0.45	





<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Decking	05 30	
Steel Decking	05 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0032 SF 4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	22.63	1.07
For Painted, Deduct	-1.06	
For Perforated Or Slotted, Add	1.06	
For Insulated Cells, Add	4.79	
For Site Installed Insulation Between Ribs, Add	5.76	
For Up To 100, Add	3.47	
For >100 To 500, Add	2.67	
For >500 To 1,500, Add	0.34	
05 31 13 00-0033 SF 4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	24.05	1.24
For Painted, Deduct	-1.12	
For Perforated Or Slotted, Add	1.12	
For Insulated Cells, Add	5.06	
For Site Installed Insulation Between Ribs, Add	6.13	
For Up To 100, Add	3.81	
For >100 To 500, Add	2.87	
For >500 To 1,500, Add	0.39	
05 31 13 00-0034 SF 4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	25.42	1.34
For Painted, Deduct	-1.19	
For Perforated Or Slotted, Add	1.19	
For Insulated Cells, Add	5.34	
For Site Installed Insulation Between Ribs, Add	6.48	
For Up To 100, Add	4.05	
For >100 To 500, Add	3.05	
For >500 To 1,500, Add	0.42	
05 31 13 00-0035 SF 4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	27.11	1.44
For Painted, Deduct	-1.27	
For Perforated Or Slotted, Add	1.27	
For Insulated Cells, Add	5.69	
For Site Installed Insulation Between Ribs, Add	6.91	
For Up To 100, Add	4.33	
For >100 To 500, Add	3.25	
For >500 To 1,500, Add	0.45	

**05 31 23 Steel Roof Decking (05 31)**

See CSI section 05 31 13 00-0000 for Steel floor or roof decking.

**05 31 33 Steel Form Decking (05 31)**

**05 31 33 00-0001 Open Ribbed Galvanized Steel Form Deck (05 31 33)**

05 31 33 00-0002 SF 9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.79	
For Painted, Deduct	-0.10	
For Perforated Or Slotted, Add	0.10	
For Up To 100, Add	1.06	
For >100 To 500, Add	0.54	
For >500 To 1,500, Add	0.22	
05 31 33 00-0003 SF 9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.98	
For Painted, Deduct	-0.10	
For Perforated Or Slotted, Add	0.10	
For Up To 100, Add	1.14	
For >100 To 500, Add	0.58	
For >500 To 1,500, Add	0.23	
05 31 33 00-0004 SF 9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.29	
For Painted, Deduct	-0.11	
For Perforated Or Slotted, Add	0.11	
For Up To 100, Add	1.29	
For >100 To 500, Add	0.65	
For >500 To 1,500, Add	0.27	
05 31 33 00-0005 SF 9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.56	
For Painted, Deduct	-0.12	
For Perforated Or Slotted, Add	0.12	
For Up To 100, Add	1.45	
For >100 To 500, Add	0.72	
For >500 To 1,500, Add	0.31	
05 31 33 00-0006 SF 15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.38	
For Painted, Deduct	-0.12	
For Perforated Or Slotted, Add	0.12	
For Up To 100, Add	1.18	
For >100 To 500, Add	0.62	
For >500 To 1,500, Add	0.23	
05 31 33 00-0007 SF 15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.55	
For Painted, Deduct	-0.13	
For Perforated Or Slotted, Add	0.13	
For Up To 100, Add	1.24	
For >100 To 500, Add	0.65	
For >500 To 1,500, Add	0.25	
05 31 33 00-0008 SF 15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.73	
For Painted, Deduct	-0.13	
For Perforated Or Slotted, Add	0.13	
For Up To 100, Add	1.34	
For >100 To 500, Add	0.69	
For >500 To 1,500, Add	0.27	

<b>05</b>	<b>Metals</b>
<b>05 30</b>	<b>Metal Decking</b>
<b>05 31</b>	<b>Steel Decking</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 33 00-0009	SF		15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.98	
			<i>For Painted, Deduct</i>	-0.14	
			<i>For Perforated Or Slotted, Add</i>	0.14	
			<i>For Up To 100, Add</i>	1.50	
			<i>For &gt;100 To 500, Add</i>	0.76	
			<i>For &gt;500 To 1,500, Add</i>	0.31	
05 31 33 00-0010	SF		1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.19	
			<i>For Painted, Deduct</i>	-0.15	
			<i>For Perforated Or Slotted, Add</i>	0.15	
			<i>For Up To 100, Add</i>	1.55	
			<i>For &gt;100 To 500, Add</i>	0.80	
			<i>For &gt;500 To 1,500, Add</i>	0.32	
05 31 33 00-0011	SF		1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.57	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Up To 100, Add</i>	1.64	
			<i>For &gt;100 To 500, Add</i>	0.85	
			<i>For &gt;500 To 1,500, Add</i>	0.33	
05 31 33 00-0012	SF		1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	5.26	
			<i>For Painted, Deduct</i>	-0.19	
			<i>For Perforated Or Slotted, Add</i>	0.19	
			<i>For Up To 100, Add</i>	1.80	
			<i>For &gt;100 To 500, Add</i>	0.95	
			<i>For &gt;500 To 1,500, Add</i>	0.35	
05 31 33 00-0013	SF		1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck.....	5.83	
			<i>For Painted, Deduct</i>	-0.21	
			<i>For Perforated Or Slotted, Add</i>	0.21	
			<i>For Up To 100, Add</i>	2.03	
			<i>For &gt;100 To 500, Add</i>	1.07	
			<i>For &gt;500 To 1,500, Add</i>	0.40	

### 05 36 Composite Metal Decking (05 30)

See CSI section 03 30 00 00-0000 for concrete.

#### 05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck (05 36)

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002	SF		1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.23	
			<i>For Painted, Deduct</i>	-0.15	
			<i>For Perforated Or Slotted, Add</i>	0.15	
			<i>For Up To 100, Add</i>	1.56	
			<i>For &gt;100 To 500, Add</i>	0.80	
			<i>For &gt;500 To 1,500, Add</i>	0.32	
05 36 00 00-0003	SF		1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.52	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Up To 100, Add</i>	1.72	
			<i>For &gt;100 To 500, Add</i>	0.88	
			<i>For &gt;500 To 1,500, Add</i>	0.35	
05 36 00 00-0004	SF		1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.04	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Up To 100, Add</i>	2.08	
			<i>For &gt;100 To 500, Add</i>	1.03	
			<i>For &gt;500 To 1,500, Add</i>	0.44	
05 36 00 00-0005	SF		1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.50	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Up To 100, Add</i>	2.44	
			<i>For &gt;100 To 500, Add</i>	1.18	
			<i>For &gt;500 To 1,500, Add</i>	0.53	
05 36 00 00-0006	SF		2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.52	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Up To 100, Add</i>	1.72	
			<i>For &gt;100 To 500, Add</i>	0.88	
			<i>For &gt;500 To 1,500, Add</i>	0.35	
05 36 00 00-0007	SF		2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.89	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Up To 100, Add</i>	1.89	
			<i>For &gt;100 To 500, Add</i>	0.96	
			<i>For &gt;500 To 1,500, Add</i>	0.39	
05 36 00 00-0008	SF		2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.41	
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Up To 100, Add</i>	2.25	
			<i>For &gt;100 To 500, Add</i>	1.11	
			<i>For &gt;500 To 1,500, Add</i>	0.48	
05 36 00 00-0009	SF		2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.89	
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Up To 100, Add</i>	2.61	
			<i>For &gt;100 To 500, Add</i>	1.26	
			<i>For &gt;500 To 1,500, Add</i>	0.56	



<b>Metals</b>	<b>05</b>	<b>05</b>
<b>Metal Decking</b>	<b>05 30</b>	
<b>Composite Metal Decking</b>	<b>05 36</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0010 SF 3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.75	
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Up To 100, Add	1.79	
For >100 To 500, Add	0.91	
For >500 To 1,500, Add	0.37	
05 36 00 00-0011 SF 3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.09	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Up To 100, Add	2.00	
For >100 To 500, Add	1.01	
For >500 To 1,500, Add	0.42	
05 36 00 00-0012 SF 3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.69	
For Painted, Deduct	-0.18	
For Perforated Or Slotted, Add	0.18	
For Up To 100, Add	2.41	
For >100 To 500, Add	1.18	
For >500 To 1,500, Add	0.51	
05 36 00 00-0013 SF 3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	6.33	
For Painted, Deduct	-0.20	
For Perforated Or Slotted, Add	0.20	
For Up To 100, Add	2.82	
For >100 To 500, Add	1.36	
For >500 To 1,500, Add	0.61	
 05 36 00 00-0014 Composite Cellular Galvanized Steel Deck <small>(05 36)</small>		
Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.		
05 36 00 00-0015 SF 1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	7.76	
For Painted, Deduct	-0.27	
For Perforated Or Slotted, Add	0.27	
For Insulated Cells, Add	1.23	
For Up To 100, Add	2.84	
For >100 To 500, Add	1.46	
For >500 To 1,500, Add	0.57	
05 36 00 00-0016 SF 1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.29	
For Painted, Deduct	-0.29	
For Perforated Or Slotted, Add	0.29	
For Insulated Cells, Add	1.30	
For Up To 100, Add	3.11	
For >100 To 500, Add	1.59	
For >500 To 1,500, Add	0.63	
05 36 00 00-0017 SF 1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.38	
For Painted, Deduct	-0.29	
For Perforated Or Slotted, Add	0.29	
For Insulated Cells, Add	1.30	
For Up To 100, Add	3.20	
For >100 To 500, Add	1.62	
For >500 To 1,500, Add	0.66	
05 36 00 00-0018 SF 1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.89	
For Painted, Deduct	-0.30	
For Perforated Or Slotted, Add	0.30	
For Insulated Cells, Add	1.34	
For Up To 100, Add	3.52	
For >100 To 500, Add	1.77	
For >500 To 1,500, Add	0.73	
05 36 00 00-0019 SF 1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	9.53	
For Painted, Deduct	-0.32	
For Perforated Or Slotted, Add	0.32	
For Insulated Cells, Add	1.43	
For Up To 100, Add	3.80	
For >100 To 500, Add	1.90	
For >500 To 1,500, Add	0.79	
05 36 00 00-0020 SF 1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.64	
For Painted, Deduct	-0.32	
For Perforated Or Slotted, Add	0.32	
For Insulated Cells, Add	1.43	
For Up To 100, Add	3.91	
For >100 To 500, Add	1.95	
For >500 To 1,500, Add	0.82	
05 36 00 00-0021 SF 1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.13	
For Painted, Deduct	-0.33	
For Perforated Or Slotted, Add	0.33	
For Insulated Cells, Add	1.48	
For Up To 100, Add	4.21	
For >100 To 500, Add	2.08	
For >500 To 1,500, Add	0.89	
05 36 00 00-0022 SF 2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.01	
For Painted, Deduct	-0.28	
For Perforated Or Slotted, Add	0.28	
For Insulated Cells, Add	1.26	
For Up To 100, Add	2.99	
For >100 To 500, Add	1.53	
For >500 To 1,500, Add	0.61	

**05 Metals****05 30 Metal Decking****05 36 Composite Metal Decking**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0023	SF		2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.45	
			<i>For Painted, Deduct</i>	-0.29	
			<i>For Perforated Or Slotted, Add</i>	0.29	
			<i>For Insulated Cells, Add</i>	1.31	
			<i>For Up To 100, Add</i>	3.20	
			<i>For &gt;100 To 500, Add</i>	1.63	
			<i>For &gt;500 To 1,500, Add</i>	0.66	
05 36 00 00-0024	SF		2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.56	
			<i>For Painted, Deduct</i>	-0.29	
			<i>For Perforated Or Slotted, Add</i>	0.29	
			<i>For Insulated Cells, Add</i>	1.31	
			<i>For Up To 100, Add</i>	3.31	
			<i>For &gt;100 To 500, Add</i>	1.68	
			<i>For &gt;500 To 1,500, Add</i>	0.68	
05 36 00 00-0025	SF		2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.17	
			<i>For Painted, Deduct</i>	-0.31	
			<i>For Perforated Or Slotted, Add</i>	0.31	
			<i>For Insulated Cells, Add</i>	1.38	
			<i>For Up To 100, Add</i>	3.64	
			<i>For &gt;100 To 500, Add</i>	1.82	
			<i>For &gt;500 To 1,500, Add</i>	0.76	
05 36 00 00-0026	SF		2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	9.71	
			<i>For Painted, Deduct</i>	-0.32	
			<i>For Perforated Or Slotted, Add</i>	0.32	
			<i>For Insulated Cells, Add</i>	1.45	
			<i>For Up To 100, Add</i>	3.91	
			<i>For &gt;100 To 500, Add</i>	1.95	
			<i>For &gt;500 To 1,500, Add</i>	0.82	
05 36 00 00-0027	SF		2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.85	
			<i>For Painted, Deduct</i>	-0.32	
			<i>For Perforated Or Slotted, Add</i>	0.32	
			<i>For Insulated Cells, Add</i>	1.45	
			<i>For Up To 100, Add</i>	4.05	
			<i>For &gt;100 To 500, Add</i>	2.01	
			<i>For &gt;500 To 1,500, Add</i>	0.85	
05 36 00 00-0028	SF		2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.38	
			<i>For Painted, Deduct</i>	-0.34	
			<i>For Perforated Or Slotted, Add</i>	0.34	
			<i>For Insulated Cells, Add</i>	1.51	
			<i>For Up To 100, Add</i>	4.32	
			<i>For &gt;100 To 500, Add</i>	2.13	
			<i>For &gt;500 To 1,500, Add</i>	0.91	
05 36 00 00-0029	SF		3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.05	
			<i>For Painted, Deduct</i>	-0.28	
			<i>For Perforated Or Slotted, Add</i>	0.28	
			<i>For Insulated Cells, Add</i>	1.26	
			<i>For Up To 100, Add</i>	2.99	
			<i>For &gt;100 To 500, Add</i>	1.53	
			<i>For &gt;500 To 1,500, Add</i>	0.61	
05 36 00 00-0030	SF		3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.51	
			<i>For Painted, Deduct</i>	-0.29	
			<i>For Perforated Or Slotted, Add</i>	0.29	
			<i>For Insulated Cells, Add</i>	1.31	
			<i>For Up To 100, Add</i>	3.26	
			<i>For &gt;100 To 500, Add</i>	1.66	
			<i>For &gt;500 To 1,500, Add</i>	0.67	
05 36 00 00-0031	SF		3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.65	
			<i>For Painted, Deduct</i>	-0.29	
			<i>For Perforated Or Slotted, Add</i>	0.29	
			<i>For Insulated Cells, Add</i>	1.31	
			<i>For Up To 100, Add</i>	3.40	
			<i>For &gt;100 To 500, Add</i>	1.71	
			<i>For &gt;500 To 1,500, Add</i>	0.71	
05 36 00 00-0032	SF		3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.25	
			<i>For Painted, Deduct</i>	-0.31	
			<i>For Perforated Or Slotted, Add</i>	0.31	
			<i>For Insulated Cells, Add</i>	1.39	
			<i>For Up To 100, Add</i>	3.68	
			<i>For &gt;100 To 500, Add</i>	1.84	
			<i>For &gt;500 To 1,500, Add</i>	0.77	
05 36 00 00-0033	SF		3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	9.86	
			<i>For Painted, Deduct</i>	-0.33	
			<i>For Perforated Or Slotted, Add</i>	0.33	
			<i>For Insulated Cells, Add</i>	1.47	
			<i>For Up To 100, Add</i>	3.97	
			<i>For &gt;100 To 500, Add</i>	1.98	
			<i>For &gt;500 To 1,500, Add</i>	0.83	
05 36 00 00-0034	SF		3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	10.05	
			<i>For Painted, Deduct</i>	-0.33	
			<i>For Perforated Or Slotted, Add</i>	0.33	
			<i>For Insulated Cells, Add</i>	1.47	
			<i>For Up To 100, Add</i>	4.16	
			<i>For &gt;100 To 500, Add</i>	2.06	
			<i>For &gt;500 To 1,500, Add</i>	0.88	



	<b>Metals</b>	<b>05</b>
	<b>Metal Decking</b>	<b>05 30</b>
	<b>Composite Metal Decking</b>	<b>05 36</b>

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 36 00 00-0035	SF 3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.47	
	<i>For Painted, Deduct</i>	-0.34	
	<i>For Perforated Or Slotted, Add</i>	0.34	
	<i>For Insulated Cells, Add</i>	1.51	
	<i>For Up To 100, Add</i>	4.41	
	<i>For &gt;100 To 500, Add</i>	2.17	
	<i>For &gt;500 To 1,500, Add</i>	0.94	

### 05 36 00 00-0036 Non-Cellular, Composite Deck, Galvanized <sup>(05 36)</sup>

05 36 00 00-0037	SF 1" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular .....	6.03	
05 36 00 00-0038	SF 1" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular .....	4.95	
05 36 00 00-0039	SF 1" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular .....	4.09	
05 36 00 00-0040	SF 1" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular .....	3.51	
05 36 00 00-0041	SF 1-1/2" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular .....	6.64	
05 36 00 00-0042	SF 1-1/2" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular .....	5.39	
05 36 00 00-0043	SF 1-1/2" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular .....	4.46	
05 36 00 00-0044	SF 1-1/2" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular .....	3.84	
05 36 00 00-0045	SF 3" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular .....	7.65	
05 36 00 00-0046	SF 3" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular .....	6.11	
05 36 00 00-0047	SF 3" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular .....	5.11	
05 36 00 00-0048	SF 3" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular .....	4.61	

### 05 40 Cold-Formed Metal Framing <sup>(05)</sup>

Note: Includes all connecting bolts and welds.

#### 05 41 Structural Metal Stud Framing <sup>(05 40)</sup>

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

#### 05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And

##### Runners <sup>(05 41)</sup>

05 41 00 00-0002	SF 2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	5.74	0.93
	<i>For Walls &gt;10' High, Add</i>	1.15	
	<i>For Curved Wall, Add</i>	0.65	
	<i>For Up To 200, Add</i>	1.58	
	<i>For &gt;200 To 500, Add</i>	0.79	
	<i>For 12" On Center, Add</i>	1.04	
	<i>For 24" On Center, Deduct</i>	-1.04	
05 41 00 00-0003	SF 3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	6.48	0.93
	<i>For Walls &gt;10' High, Add</i>	1.30	
	<i>For Curved Wall, Add</i>	0.68	
	<i>For Up To 200, Add</i>	1.75	
	<i>For &gt;200 To 500, Add</i>	0.88	
	<i>For 12" On Center, Add</i>	1.18	
	<i>For 24" On Center, Deduct</i>	-1.18	
05 41 00 00-0004	SF 4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	6.75	0.93
	<i>For Walls &gt;10' High, Add</i>	1.35	
	<i>For Curved Wall, Add</i>	0.71	
	<i>For Up To 200, Add</i>	1.82	
	<i>For &gt;200 To 500, Add</i>	0.91	
	<i>For 12" On Center, Add</i>	1.23	
	<i>For 24" On Center, Deduct</i>	-1.23	
05 41 00 00-0005	SF 6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	8.80	1.04
	<i>For Walls &gt;10' High, Add</i>	1.76	
	<i>For Curved Wall, Add</i>	0.74	
	<i>For Up To 200, Add</i>	2.25	
	<i>For &gt;200 To 500, Add</i>	1.13	
	<i>For 12" On Center, Add</i>	1.64	
	<i>For 24" On Center, Deduct</i>	-1.64	
05 41 00 00-0006	SF 8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	9.90	1.14
	<i>For Walls &gt;10' High, Add</i>	1.98	
	<i>For Curved Wall, Add</i>	0.77	
	<i>For Up To 200, Add</i>	2.49	
	<i>For &gt;200 To 500, Add</i>	1.25	
	<i>For 12" On Center, Add</i>	1.85	
	<i>For 24" On Center, Deduct</i>	-1.85	

#### 05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And

##### Runners <sup>(05 41)</sup>

05 41 00 00-0008	SF 2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	6.19	0.93
	<i>For Walls &gt;10' High, Add</i>	1.24	
	<i>For Curved Wall, Add</i>	0.68	
	<i>For Up To 200, Add</i>	1.69	
	<i>For &gt;200 To 500, Add</i>	0.85	
	<i>For 12" On Center, Add</i>	1.12	
	<i>For 24" On Center, Deduct</i>	-1.12	

**05 Metals****05 40 Cold-Formed Metal Framing****05 41 Structural Metal Stud Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0009	SF		3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	7.26	0.94
			<i>For Walls &gt;10' High, Add</i>	1.45	
			<i>For Curved Wall, Add</i>	0.72	
			<i>For Up To 200, Add</i>	1.93	
			<i>For &gt;200 To 500, Add</i>	0.97	
			<i>For 12" On Center, Add</i>	1.33	
			<i>For 24" On Center, Deduct</i>	-1.33	
05 41 00 00-0010	SF		4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	7.67	0.94
			<i>For Walls &gt;10' High, Add</i>	1.53	
			<i>For Curved Wall, Add</i>	0.74	
			<i>For Up To 200, Add</i>	2.03	
			<i>For &gt;200 To 500, Add</i>	1.02	
			<i>For 12" On Center, Add</i>	1.41	
			<i>For 24" On Center, Deduct</i>	-1.41	
05 41 00 00-0011	SF		6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	9.91	1.14
			<i>For Walls &gt;10' High, Add</i>	1.98	
			<i>For Curved Wall, Add</i>	0.78	
			<i>For Up To 200, Add</i>	2.50	
			<i>For &gt;200 To 500, Add</i>	1.25	
			<i>For 12" On Center, Add</i>	1.85	
			<i>For 24" On Center, Deduct</i>	-1.85	
05 41 00 00-0012	SF		8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	10.99	1.24
			<i>For Walls &gt;10' High, Add</i>	2.20	
			<i>For Curved Wall, Add</i>	0.82	
			<i>For Up To 200, Add</i>	2.75	
			<i>For &gt;200 To 500, Add</i>	1.37	
			<i>For 12" On Center, Add</i>	2.06	
			<i>For 24" On Center, Deduct</i>	-2.06	
<b>05 41 00 00-0013</b>			<b>14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners<sup>(05 41)</sup></b>		
05 41 00 00-0014	SF		3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	8.62	1.29
			<i>For Walls &gt;10' High, Add</i>	1.72	
			<i>For Curved Wall, Add</i>	0.86	
			<i>For Up To 200, Add</i>	2.30	
			<i>For &gt;200 To 500, Add</i>	1.15	
			<i>For 12" On Center, Add</i>	1.58	
			<i>For 24" On Center, Deduct</i>	-1.58	
05 41 00 00-0015	SF		4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	8.87	1.31
			<i>For Walls &gt;10' High, Add</i>	1.77	
			<i>For Curved Wall, Add</i>	0.88	
			<i>For Up To 200, Add</i>	2.36	
			<i>For &gt;200 To 500, Add</i>	1.18	
			<i>For 12" On Center, Add</i>	1.63	
			<i>For 24" On Center, Deduct</i>	-1.63	
05 41 00 00-0016	SF		6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	11.37	1.38
			<i>For Walls &gt;10' High, Add</i>	2.27	
			<i>For Curved Wall, Add</i>	0.92	
			<i>For Up To 200, Add</i>	2.89	
			<i>For &gt;200 To 500, Add</i>	1.44	
			<i>For 12" On Center, Add</i>	2.12	
			<i>For 24" On Center, Deduct</i>	-2.12	
05 41 00 00-0017	SF		8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	12.55	1.45
			<i>For Walls &gt;10' High, Add</i>	2.51	
			<i>For Curved Wall, Add</i>	0.96	
			<i>For Up To 200, Add</i>	3.15	
			<i>For &gt;200 To 500, Add</i>	1.58	
			<i>For 12" On Center, Add</i>	2.35	
			<i>For 24" On Center, Deduct</i>	-2.35	
<b>05 42 Cold-Formed Metal Joist Framing<sup>(05 40)</sup></b>					
<b>05 42 13 Cold-Formed Metal Floor Joist Framing<sup>(05 42)</sup></b>					
			Note: Floor or roof joist framing		
<b>05 42 13 00-0001</b>			<b>Steel Joists, 20 Gauge<sup>(05 42 13)</sup></b>		
05 42 13 00-0002	LF		5-1/2" - 20 Gauge Steel Joists .....	12.64	2.21
05 42 13 00-0003	LF		6" - 20 Gauge Steel Joists .....	13.58	2.79
05 42 13 00-0004	LF		7-1/4" - 20 Gauge Steel Joists .....	14.69	3.06
05 42 13 00-0005	LF		8" - 20 Gauge Steel Joists .....	16.59	3.25
<b>05 42 13 00-0006</b>			<b>Steel Joists, 18 Gauge<sup>(05 42 13)</sup></b>		
05 42 13 00-0007	LF		5-1/2" - 18 Gauge Steel Joists .....	14.10	2.46
05 42 13 00-0008	LF		6" - 18 Gauge Steel Joists .....	15.17	3.10
05 42 13 00-0009	LF		7-1/4" - 18 Gauge Steel Joists .....	16.46	3.39
05 42 13 00-0010	LF		8" - 18 Gauge Steel Joists .....	16.88	3.61
<b>05 42 13 00-0011</b>			<b>Steel Joists, 16 Gauge<sup>(05 42 13)</sup></b>		
05 42 13 00-0012	LF		7-1/4" - 16 Gauge Steel Joists .....	17.95	3.42
05 42 13 00-0013	LF		8" - 16 Gauge Steel Joists .....	18.97	3.61



<b>Metals</b>	<b>05</b>	<b>05</b>
Cold-Formed Metal Framing	05 40	
Cold-Formed Metal Joist Framing	05 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>05 42 13 00-0014</b> Steel Joists, 14 Gauge <small>(05 42 13)</small>		
05 42 13 00-0015 LF 9-1/4" - 14 Gauge Steel Joists .....	21.68	3.61
05 42 13 00-0016 LF 11-1/2" - 14 Gauge Steel Joists .....	23.61	3.80
<b>05 42 13 00-0017</b> Steel Joists, 12 Gauge <small>(05 42 13)</small>		
05 42 13 00-0018 LF 9-1/4" - 12 Gauge Steel Joists .....	26.00	3.97
05 42 13 00-0019 LF 11-1/2" - 12 Gauge Steel Joists .....	28.54	4.18
<b>05 42 13 00-0020</b> Steel Joists, 10 Gauge <small>(05 42 13)</small>		
05 42 13 00-0021 LF 9-1/4" - 10 Gauge Steel Joists .....	30.39	4.37
05 42 13 00-0022 LF 11-1/2" - 10 Gauge Steel Joists .....	33.52	4.60
<b>05 42 13 00-0023</b> Steel Joists, 8 Gauge <small>(05 42 13)</small>		
05 42 13 00-0024 LF 9-1/4" - 8 Gauge Steel Joists .....	34.84	4.81
05 42 13 00-0025 LF 11-1/2" - 8 Gauge Steel Joists .....	38.54	5.07
<b>05 42 23 Cold-Formed Metal Roof Joist Framing</b> <small>(05 42)</small>		
See CSI section 05 42 13 00-0000 for metal joist framing.		
<b>05 43 Slotted Channel Framing</b> <small>(05 43)</small>		
<b>05 43 00 00-0001</b> Unistrut Channel <small>(05 43)</small>		
Note: Excludes fasteners and accessories.		
<b>05 43 00 00-0002</b> Steel Unistrut Channel <small>(05 43 00 00-0001)</small>		
05 43 00 00-0003 LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel .....	11.27	2.34
For Powder Coating, Add		0.99
For Galvanizing, Add		1.12
05 43 00 00-0004 LF 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel .....	11.59	2.34
For Powder Coating, Add		1.04
For Galvanizing, Add		1.18
05 43 00 00-0005 LF 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel .....	12.09	2.34
For Powder Coating, Add		1.11
For Galvanizing, Add		1.26
05 43 00 00-0006 LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel .....	10.63	2.34
For Powder Coating, Add		0.89
For Galvanizing, Add		1.01
05 43 00 00-0007 LF 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel .....	9.23	2.34
For Powder Coating, Add		0.68
For Galvanizing, Add		0.78
<b>05 43 00 00-0008</b> Stainless Steel Unistrut Channel <small>(05 43 00 00-0001)</small>		
<b>05 43 00 00-0009</b> 304 Stainless Steel Unistrut Channel <small>(05 43 00 00-0008)</small>		
05 43 00 00-0010 LF 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	24.27	2.34
05 43 00 00-0011 LF 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	29.06	2.34
05 43 00 00-0012 LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	27.87	2.34
05 43 00 00-0013 LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	35.26	2.34
<b>05 43 00 00-0014</b> 316 Stainless Steel Unistrut Channel <small>(05 43 00 00-0008)</small>		
05 43 00 00-0015 LF 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel .....	39.80	2.34
<b>05 43 00 00-0016</b> Accessories For Unistrut Channel <small>(05 43)</small>		
05 43 00 00-0017 EA Trolley Truck Hanger, 1-5/8" Channel P1834 .....	56.41	7.76
05 43 00 00-0018 EA Flat Plate Fitting, One Hole, 1-5/8" Channel P1064 .....	13.76	5.17
05 43 00 00-0019 EA 60 Degree Angle, 1-5/8" Channel P2097 .....	14.44	5.17
<b>05 43 00 00-0020</b> Unistrut Closure Strips <small>(05 43)</small>		
05 43 00 00-0021 LF Steel Raceway Closure Strip For Unistrut Channel .....	6.00	0.51
<b>05 43 00 00-0022</b> Lock Nuts With Spring For Unistrut Channel <small>(05 43)</small>		
Note: Includes hex bolt.		
<b>05 43 00 00-0023</b> Steel Lock Nuts With Spring For Unistrut Channel <small>(05 43 00 00-0022)</small>		
Note: Includes hex bolt.		
05 43 00 00-0024 EA 1/4-20, Steel Lock Nut With Spring For Unistrut Channel .....	7.09	
05 43 00 00-0025 EA 3/8-16, Steel Lock Nut With Spring For Unistrut Channel .....	7.77	
05 43 00 00-0026 EA 1/2-13, Steel Lock Nut With Spring For Unistrut Channel .....	8.28	
05 43 00 00-0027 EA 5/8-11, Steel Lock Nut With Spring For Unistrut Channel .....	11.04	

**05 Metals****05 40 Cold-Formed Metal Framing****05 43 Slotted Channel Framing**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 43 00 00-0028	<b>Stainless Steel Lock Nuts With Spring For Unistrut Channel</b> (05 43 00 00-0022)			
	Note: Includes hex bolt.			
05 43 00 00-0029	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	14.17	
05 43 00 00-0030	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	15.04	
05 43 00 00-0031	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	21.07	
05 43 00 00-0032	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	35.65	
05 43 00 00-0033	<b>Lock Nuts Without Spring For Unistrut Channel</b> (05 43)			
	Note: Includes hex bolt.			
05 43 00 00-0034	<b>Steel Lock Nuts Without Spring For Unistrut Channel</b> (05 43 00 00-0033)			
	Note: Includes hex bolt.			
05 43 00 00-0035	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel.....	7.11	
05 43 00 00-0036	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel.....	7.87	
05 43 00 00-0037	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel.....	8.32	
05 43 00 00-0038	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel.....	11.84	
05 43 00 00-0039	<b>Stainless Steel Lock Nuts Without Spring For Unistrut Channel</b> (05 43 00 00-0033)			
	Note: Includes hex bolt.			
05 43 00 00-0040	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	10.31	
05 43 00 00-0041	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	12.31	
05 43 00 00-0042	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	13.37	
05 43 00 00-0043	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	34.75	
05 43 00 00-0044	<b>Beam Clamp For Unistrut Channel</b> (05 43)			
05 43 00 00-0045	EA	1-5/8" Channel, P2675 Unistrut Beam Clamp.....	22.03	7.76
05 43 00 00-0046	EA	1-5/8" Channel, P2676 Unistrut Beam Clamp.....	28.09	7.76
05 43 00 00-0047	EA	Add For Unistrut Swivel Nut, P2676.....	3.30	
05 43 00 00-0048	<b>Beam Clamp Clevis Hangers For Unistrut Channel</b> (05 43)			
05 43 00 00-0049	EA	Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674).....	24.13	7.76
05 43 00 00-0050	EA	Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677).....	28.95	7.76
05 43 00 00-0051	EA	Add For Unistrut Swivel Nut.....	3.30	
05 43 00 00-0052	EA	6-Hole Electrogalvanized Steel Shelf Bracket For Unistrut.....	172.60	10.35
05 43 00 00-0053	<b>Pipe And Rigid Conduit Clamps</b> (05 43)			
05 43 00 00-0054	<b>Pipe And Rigid Conduit Clamps</b> (05 43 00 00-0053)			
	Note: Includes stainless steel (316) hardware.			
05 43 00 00-0055	PR	1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	6.69	1.83
05 43 00 00-0056	PR	3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	6.88	1.83
05 43 00 00-0057	PR	1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	7.78	2.21
05 43 00 00-0058	PR	1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	8.21	2.40
05 43 00 00-0059	PR	1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	10.73	2.69
05 43 00 00-0060	PR	2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	10.73	2.69
05 43 00 00-0061	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	16.18	4.51
05 43 00 00-0062	PR	3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	16.55	4.51
05 43 00 00-0063	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	17.58	4.99
05 43 00 00-0064	PR	4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	19.52	5.38
05 43 00 00-0065	<b>Pipe And Rigid Conduit Clamps</b> (05 43 00 00-0053)			
	Note: Includes nylon hardware.			
05 43 00 00-0066	PR	1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	9.26	1.83
05 43 00 00-0067	PR	3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	9.60	1.83
05 43 00 00-0068	PR	1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	10.50	2.21
05 43 00 00-0069	PR	1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	11.03	2.40
05 43 00 00-0070	PR	1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	15.14	2.69
05 43 00 00-0071	PR	2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	15.14	2.69
05 43 00 00-0072	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	22.13	4.51
05 43 00 00-0073	PR	3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	22.81	4.51
05 43 00 00-0074	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	23.94	4.99
05 43 00 00-0075	PR	4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	26.75	5.38

**05 45 Metal Support Assemblies** (05 40)**05 45 13 Mechanical Metal Supports** (05 45)

See CSI section 23 05 29 00-0000 for metal supports.

**05 45 16 Electrical Metal Supports** (05 45)

See CSI section 26 05 29 00-0000 for metal supports.

**05 50 Metal Fabrications** (05)**05 51 Metal Stairs** (05 50)





	<b>Metals</b>	<b>05</b>
	Metal Fabrications	05 50
	Metal Stairs	05 51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>05 51 13 Metal Pan Stairs</b> <small>(05 51)</small>		
Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail. See CSI section 05 52 13 00-0000 for handrails.		
<b>05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing</b> <small>(05 51 13)</small>		
Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.		
05 51 13 00-0002 RSR 3'-6" Wide Open Concrete Filled Metal Pan Tread Stair.....	951.73	45.83
For Solid Metal Matching Riser, Add	110.06	
05 51 13 00-0003 RSR 4'-0" Wide Open Concrete Filled Metal Pan Tread Stair.....	1,081.37	53.74
For Solid Metal Matching Riser, Add	124.93	
05 51 13 00-0004 RSR 5'-0" Wide Open Concrete Filled Metal Pan Tread Stair.....	1,204.29	62.96
For Solid Metal Matching Riser, Add	138.85	
05 51 13 00-0005 SF Concrete Filled Steel Pan Landing.....	82.24	5.03
Note: Conventional shape.		
<b>05 51 19 Metal Grating Stairs</b> <small>(05 51)</small>		
Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.		
<b>05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing</b> <small>(05 51 19)</small>		
Note: Includes steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0002 RSR 3'-6" Wide Open Steel Grating Tread Metal Stair.....	460.84	40.29
For Closed Riser, Add	55.48	
For Galvanized Steel, Add	95.06	
05 51 19 00-0003 RSR 4'-0" Wide Open Steel Grating Tread Metal Stair.....	491.02	46.33
For Closed Riser, Add	58.74	
For Galvanized Steel, Add	99.59	
05 51 19 00-0004 RSR 5'-0" Wide Open Steel Grating Tread Metal Stair.....	543.36	54.39
For Closed Riser, Add	64.65	
For Galvanized Steel, Add	108.64	
05 51 19 00-0005 SF Steel Grating Landing With Framing And 2 Pipe Handrail.....	85.32	5.03
Note: Conventional shape.		
<b>05 51 33 Metal Ladders</b> <small>(05 51)</small>		
Note: Includes factory prime.		
<b>05 51 33 13 Vertical Metal Ladders</b> <small>(05 51 33)</small>		
<b>05 51 33 13-0001 Vertical Ladders</b> <small>(05 51 33 13)</small>		
Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"		
05 51 33 13-0002 VLF 20" Wide Vertical Steel Ladder Primed.....	87.80	12.09
For Galvanized Steel, Add	12.47	
For Aluminum, Add	24.94	
05 51 33 13-0003 VLF 24" Wide Vertical Steel Ladder Primed.....	100.44	12.09
For Galvanized Steel, Add	15.63	
For Aluminum, Add	31.26	
05 51 33 13-0004 VLF 20" Wide Vertical Steel Caged Ladder Primed.....	209.10	20.14
For Galvanized Steel, Add	36.22	
For Aluminum, Add	72.45	
05 51 33 13-0005 VLF 24" Wide Vertical Steel Caged Ladder Primed.....	234.38	20.14
For Galvanized Steel, Add	42.54	
For Aluminum, Add	85.09	
<b>05 51 33 13-0006 Vertical Ladders Options</b> <small>(05 51 33 13)</small>		
05 51 33 13-0007 EA 20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed.....	351.78	37.77
Note: Extends 42" above landing surface. Includes mounting bracket.		
For Galvanized Steel, Add	69.06	
For Aluminum, Add	138.12	
05 51 33 13-0008 EA 24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed.....	385.27	40.29
Note: Extends 42" above landing surface. Includes mounting bracket.		
For Galvanized Steel, Add	76.17	
For Aluminum, Add	152.34	
05 51 33 13-0009 EA Security Cage Entry Gate With Lockable Hasp.....	532.98	12.59
05 51 33 13-0010 EA 6' Security Ladder Guard.....	1,132.16	75.54
05 51 33 13-0011 EA 8' Security Ladder Guard.....	1,354.38	88.14
05 51 33 13-0012 EA Safety Chain Attachment.....	207.01	
<b>05 51 33 13-0013 Welded Steel Ladder Cages</b> <small>(05 51 33 13)</small>		
Note: For existing fixed ladders up to 20" wide. Excludes the ladder.		
<b>05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages</b> <small>(05 51 33 13-0013)</small>		
05 51 33 13-0015 EA 7-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,088.83	151.09
05 51 33 13-0016 EA 8-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,270.36	156.13
05 51 33 13-0017 EA 9-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,414.62	161.17
05 51 33 13-0018 EA 10-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,568.82	166.20
05 51 33 13-0019 EA 11-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,658.40	171.24
05 51 33 13-0020 EA 12-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,805.15	176.28
05 51 33 13-0021 EA 13-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,934.49	181.31
05 51 33 13-0022 EA 14-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,103.61	186.34
05 51 33 13-0023 EA 15-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,267.74	191.39
05 51 33 13-0024 EA 16-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,402.05	196.42
05 51 33 13-0025 EA 17-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,566.20	201.45



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0026	EA		18-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,725.35	206.50
05 51 33 13-0027	EA		19-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,882.04	211.53
05 51 33 13-0028	EA		20-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	4,167.93	216.56
05 51 33 13-0029	EA		21-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	4,252.56	221.60
05 51 33 13-0030	EA		22-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	4,399.30	226.64
05 51 33 13-0031	EA		23-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	4,533.62	231.68
05 51 33 13-0032	EA		24-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	4,658.00	236.71
05 51 33 13-0033	EA		25-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	4,936.44	241.75
05 51 33 13-0034	EA		26-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	5,085.67	246.79
05 51 33 13-0035	EA		27-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	5,224.95	251.82
<b>05 51 33 13-0036</b>			<b>Stainless Steel, Welded Steel Ladder Cages</b> (05 51 33 13-0013)		
05 51 33 13-0037	EA		7-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,027.11	151.09
05 51 33 13-0038	EA		8-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,371.63	156.13
05 51 33 13-0039	EA		9-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,946.22	161.17
05 51 33 13-0040	EA		10-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,229.08	166.20
05 51 33 13-0041	EA		11-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,466.84	171.24
05 51 33 13-0042	EA		12-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,782.91	176.28
05 51 33 13-0043	EA		13-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	7,352.76	181.31
05 51 33 13-0044	EA		14-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	7,640.35	186.34
05 51 33 13-0045	EA		15-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	7,937.43	191.39
05 51 33 13-0046	EA		16-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	8,262.97	196.42
05 51 33 13-0047	EA		17-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	8,844.69	201.45
05 51 33 13-0048	EA		18-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	9,134.64	206.50
05 51 33 13-0049	EA		19-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	9,410.38	211.53
05 51 33 13-0050	EA		20-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	9,868.75	216.56
05 51 33 13-0051	EA		21-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	10,384.05	221.60
05 51 33 13-0052	EA		22-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	10,669.27	226.64
05 51 33 13-0053	EA		23-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	10,961.60	231.68
05 51 33 13-0054	EA		24-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	11,234.97	236.71
05 51 33 13-0055	EA		25-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	11,940.02	241.75
05 51 33 13-0056	EA		26-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	12,213.37	246.79
05 51 33 13-0057	EA		27-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	12,493.85	251.82
<b>05 51 33 16</b>			<b>Inclined Metal Ladders</b> (05 51 33)		
<b>05 51 33 16-0001</b>			<b>Industrial Ship Ladder, Incline Stairs</b> (05 51 33 16)		
			Note: Includes factory prime.		
05 51 33 16-0002	RSR		3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side.....	328.32	50.37
			For Aluminum, Add	113.80	
<b>05 51 33 23</b>			<b>Alternating Tread Ladders</b> (05 51 33)		
<b>05 51 33 23-0001</b>			<b>Vertical Ladders With Alternating Tread</b> (05 51 33 23)		
05 51 33 23-0002	EA		4' Vertical Height Aluminum Alternating Tread Ladder .....	2,270.26	151.10
			For Stainless Steel, Add	196.80	
			For Primed Steel, Deduct	-191.42	
05 51 33 23-0003	EA		5' Vertical Height Aluminum Alternating Tread Ladder .....	2,603.72	160.15
			For Stainless Steel, Add	240.90	
			For Primed Steel, Deduct	-223.30	
05 51 33 23-0004	EA		6' Vertical Height Aluminum Alternating Tread Ladder .....	2,896.16	160.15
			For Stainless Steel, Add	288.67	
			For Primed Steel, Deduct	-241.55	
05 51 33 23-0005	EA		7' Vertical Height Aluminum Alternating Tread Ladder .....	3,300.94	201.26
			For Stainless Steel, Add	347.24	
			For Primed Steel, Deduct	-256.61	
05 51 33 23-0006	EA		8' Vertical Height Aluminum Alternating Tread Ladder .....	3,628.77	208.39
			For Stainless Steel, Add	388.99	
			For Primed Steel, Deduct	-298.53	
05 51 33 23-0007	EA		9' Vertical Height Aluminum Alternating Tread Ladder .....	3,887.17	208.39
			For Stainless Steel, Add	453.51	
			For Primed Steel, Deduct	-293.53	
05 51 33 23-0008	EA		10' Vertical Height Aluminum Alternating Tread Ladder.....	4,267.63	232.45
			For Stainless Steel, Add	497.40	
			For Primed Steel, Deduct	-327.55	
05 51 33 23-0009	EA		11' Vertical Height Aluminum Alternating Tread Ladder.....	4,557.14	232.45
			For Stainless Steel, Add	546.61	
			For Primed Steel, Deduct	-347.07	
05 51 33 23-0010	EA		12' Vertical Height Aluminum Alternating Tread Ladder.....	4,782.39	232.45
			For Stainless Steel, Add	623.99	
			For Primed Steel, Deduct	-346.65	
<b>05 52</b>			<b>Metal Railings</b> (05 52)		
<b>05 52 13</b>			<b>Pipe and Tube Railings</b> (05 52)		
			Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).		
<b>05 52 13 00-0001</b>			<b>Welded Steel Pipe Railing</b> (05 52 13)		
			Note: Includes field welds and touch-up of welds.		



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>05 52 13 00-0002</b> <b>One Rail, Up To 42" High, Welded Steel Pipe Railings</b> <small>(05 52 13 00-0001)</small>		
<small>Note: Includes factory primed posts and one rail.</small>		
05 52 13 00-0003    LF    1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	35.69	10.08
For Schedule 80 Handrail, Add	4.10	
For 11 Gauge A513 Steel Tubing, Deduct	-3.42	
For 12 Gauge A513 Steel Tubing, Deduct	-3.89	
For 14 Gauge A513 Steel Tubing, Deduct	-5.13	
For 16 Gauge A513 Steel Tubing, Deduct	-6.06	
For Additional Off Set Handrail, ADA Attachment, Add	12.52	
For Aluminum, Satin Finish, Add	6.53	
For Aluminum, Clear Anodized Finish, Add	10.11	
For Aluminum, Dark Anodized Finish, Add	11.66	
For Galvanizing, Add	6.22	
For Wrought Iron, Add	3.57	
For Solid Steel Rails, Add	7.14	
For 304 Stainless Steel, Add	49.76	
For 316 Stainless Steel, Add	55.98	
For 2" Wheel Guard, Add	1.48	
For 4" High Kick Plate, Add	1.94	
For 6" High Kick Plate, Add	3.11	
For Curved Rail, Add	15.37	
For Mounting On Stairs, Add	10.71	
For Mounting On Slopes, Add	3.57	
For Post Base Flange With Screws, Add Per Post	19.51	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.52	
For Custom Design Or Shapes (Square Tops, etc), Add	12.81	
For Nylon Coating, Add	2.33	
05 52 13 00-0004    LF    1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing .....	38.37	10.08
For Schedule 80 Handrail, Add	6.32	
For 11 Gauge A513 Steel Tubing, Deduct	-4.01	
For 12 Gauge A513 Steel Tubing, Deduct	-4.56	
For 14 Gauge A513 Steel Tubing, Deduct	-6.02	
For 16 Gauge A513 Steel Tubing, Deduct	-7.11	
For Additional Off Set Handrail, ADA Attachment, Add	12.52	
For Aluminum, Satin Finish, Add	7.66	
For Aluminum, Clear Anodized Finish, Add	11.85	
For Aluminum, Dark Anodized Finish, Add	13.67	
For Galvanizing, Add	7.29	
For Wrought Iron, Add	3.84	
For Solid Steel Rails, Add	7.67	
For 304 Stainless Steel, Add	58.34	
For 316 Stainless Steel, Add	65.63	
For 2" Wheel Guard, Add	1.73	
For 4" High Kick Plate, Add	2.28	
For 6" High Kick Plate, Add	3.65	
For Curved Rail, Add	16.98	
For Mounting On Stairs, Add	11.51	
For Mounting On Slopes, Add	3.84	
For Post Base Flange With Screws, Add Per Post	19.51	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.52	
For Custom Design Or Shapes (Square Tops, etc), Add	14.15	
For Nylon Coating, Add	2.73	
05 52 13 00-0005    LF    1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing .....	41.05	10.08
For Schedule 80 Handrail, Add	6.32	
For 11 Gauge A513 Steel Tubing, Deduct	-4.60	
For 12 Gauge A513 Steel Tubing, Deduct	-5.23	
For 14 Gauge A513 Steel Tubing, Deduct	-6.90	
For 16 Gauge A513 Steel Tubing, Deduct	-8.15	
For Additional Off Set Handrail, ADA Attachment, Add	12.52	
For Aluminum, Satin Finish, Add	8.78	
For Aluminum, Clear Anodized Finish, Add	13.59	
For Aluminum, Dark Anodized Finish, Add	15.68	
For Galvanizing, Add	8.36	
For Wrought Iron, Add	4.11	
For Solid Steel Rails, Add	8.21	
For 304 Stainless Steel, Add	66.91	
For 316 Stainless Steel, Add	75.28	
For 2" Wheel Guard, Add	1.99	
For 4" High Kick Plate, Add	2.61	
For 6" High Kick Plate, Add	4.18	
For Curved Rail, Add	18.59	
For Mounting On Stairs, Add	12.32	
For Mounting On Slopes, Add	4.11	
For Post Base Flange With Screws, Add Per Post	19.51	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.52	
For Custom Design Or Shapes (Square Tops, etc), Add	15.49	
For Nylon Coating, Add	3.14	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 52 13 00-0006	LF 2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	45.69	10.08
	For Schedule 80 Handrail, Add	7.21	
	For 11 Gauge A513 Steel Tubing, Deduct	-5.62	
	For 12 Gauge A513 Steel Tubing, Deduct	-6.39	
	For 14 Gauge A513 Steel Tubing, Deduct	-8.43	
	For 16 Gauge A513 Steel Tubing, Deduct	-9.96	
	For Additional Off Set Handrail, ADA Attachment, Add	12.52	
	For Aluminum, Satin Finish, Add	10.73	
	For Aluminum, Clear Anodized Finish, Add	16.61	
	For Aluminum, Dark Anodized Finish, Add	19.16	
	For Galvanizing, Add	10.22	
	For Wrought Iron, Add	4.57	
	For Solid Steel Rails, Add	9.14	
	For 304 Stainless Steel, Add	81.76	
	For 316 Stainless Steel, Add	91.98	
	For 2" Wheel Guard, Add	2.43	
	For 4" High Kick Plate, Add	3.19	
	For 6" High Kick Plate, Add	5.11	
	For Curved Rail, Add	21.37	
	For Mounting On Stairs, Add	13.71	
	For Mounting On Slopes, Add	4.57	
	For Post Base Flange With Screws, Add Per Post	19.51	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.52	
	For Custom Design Or Shapes (Square Tops, etc), Add	17.81	
	For Nylon Coating, Add	3.83	
05 52 13 00-0007	LF 2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	51.26	10.08
	For Schedule 80 Handrail, Add	8.12	
	For 11 Gauge A513 Steel Tubing, Deduct	-6.85	
	For 12 Gauge A513 Steel Tubing, Deduct	-7.78	
	For 14 Gauge A513 Steel Tubing, Deduct	-10.27	
	For 16 Gauge A513 Steel Tubing, Deduct	-12.14	
	For Additional Off Set Handrail, ADA Attachment, Add	12.52	
	For Aluminum, Satin Finish, Add	13.07	
	For Aluminum, Clear Anodized Finish, Add	20.23	
	For Aluminum, Dark Anodized Finish, Add	23.34	
	For Galvanizing, Add	12.45	
	For Wrought Iron, Add	5.13	
	For Solid Steel Rails, Add	10.25	
	For 304 Stainless Steel, Add	99.58	
	For 316 Stainless Steel, Add	112.03	
	For 2" Wheel Guard, Add	2.96	
	For 4" High Kick Plate, Add	3.89	
	For 6" High Kick Plate, Add	6.22	
	For Curved Rail, Add	24.71	
	For Mounting On Stairs, Add	15.38	
	For Mounting On Slopes, Add	5.13	
	For Post Base Flange With Screws, Add Per Post	19.51	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.52	
	For Custom Design Or Shapes (Square Tops, etc), Add	20.60	
	For Nylon Coating, Add	4.67	
05 52 13 00-0008	<b>Two Rail, Up To 42" High, Welded Steel Pipe Railings</b> <small>(05 52 13 00-0001)</small>		
	Note: Includes factory primed posts and two rails.		
05 52 13 00-0009	LF 1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	47.35	10.08
	For Schedule 80 Handrail, Add	4.10	
	For 11 Gauge A513 Steel Tubing, Deduct	-5.99	
	For 12 Gauge A513 Steel Tubing, Deduct	-6.80	
	For 14 Gauge A513 Steel Tubing, Deduct	-8.98	
	For 16 Gauge A513 Steel Tubing, Deduct	-10.61	
	For Additional Off Set Handrail, ADA Attachment, Add	12.52	
	For Aluminum, Satin Finish, Add	11.43	
	For Aluminum, Clear Anodized Finish, Add	17.69	
	For Aluminum, Dark Anodized Finish, Add	20.41	
	For Galvanizing, Add	10.88	
	For Wrought Iron, Add	4.74	
	For Solid Steel Rails, Add	9.47	
	For 304 Stainless Steel, Add	87.07	
	For 316 Stainless Steel, Add	97.96	
	For 2" Wheel Guard, Add	2.58	
	For 4" High Kick Plate, Add	3.40	
	For 6" High Kick Plate, Add	5.44	
	For Curved Rail, Add	22.37	
	For Mounting On Stairs, Add	14.21	
	For Mounting On Slopes, Add	4.74	
	For Post Base Flange With Screws, Add Per Post	19.51	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.52	
	For Custom Design Or Shapes (Square Tops, etc), Add	18.64	
	For Nylon Coating, Add	4.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0010 LF 1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing .....	52.04	10.08
For Schedule 80 Handrail, Add	6.32	
For 11 Gauge A513 Steel Tubing, Deduct	-7.02	
For 12 Gauge A513 Steel Tubing, Deduct	-7.98	
For 14 Gauge A513 Steel Tubing, Deduct	-10.53	
For 16 Gauge A513 Steel Tubing, Deduct	-12.44	
For Additional Off Set Handrail, ADA Attachment, Add	12.52	
For Aluminum, Satin Finish, Add	13.40	
For Aluminum, Clear Anodized Finish, Add	20.74	
For Aluminum, Dark Anodized Finish, Add	23.93	
For Galvanizing, Add	12.76	
For Wrought Iron, Add	5.20	
For Solid Steel Rails, Add	10.41	
For 304 Stainless Steel, Add	102.08	
For 316 Stainless Steel, Add	114.84	
For 2" Wheel Guard, Add	3.03	
For 4" High Kick Plate, Add	3.99	
For 6" High Kick Plate, Add	6.38	
For Curved Rail, Add	25.18	
For Mounting On Stairs, Add	15.61	
For Mounting On Slopes, Add	5.20	
For Post Base Flange With Screws, Add Per Post	19.51	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.52	
For Custom Design Or Shapes (Square Tops, etc), Add	20.99	
For Nylon Coating, Add	4.79	
05 52 13 00-0011 LF 1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing .....	56.72	10.08
For Schedule 80 Handrail, Add	6.32	
For 11 Gauge A513 Steel Tubing, Deduct	-8.05	
For 12 Gauge A513 Steel Tubing, Deduct	-9.15	
For 14 Gauge A513 Steel Tubing, Deduct	-12.07	
For 16 Gauge A513 Steel Tubing, Deduct	-14.27	
For Additional Off Set Handrail, ADA Attachment, Add	12.52	
For Aluminum, Satin Finish, Add	15.36	
For Aluminum, Clear Anodized Finish, Add	23.78	
For Aluminum, Dark Anodized Finish, Add	27.44	
For Galvanizing, Add	14.63	
For Wrought Iron, Add	5.67	
For Solid Steel Rails, Add	11.34	
For 304 Stainless Steel, Add	117.06	
For 316 Stainless Steel, Add	131.69	
For 2" Wheel Guard, Add	3.48	
For 4" High Kick Plate, Add	4.57	
For 6" High Kick Plate, Add	7.32	
For Curved Rail, Add	27.99	
For Mounting On Stairs, Add	17.02	
For Mounting On Slopes, Add	5.67	
For Post Base Flange With Screws, Add Per Post	19.51	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.52	
For Custom Design Or Shapes (Square Tops, etc), Add	23.33	
For Nylon Coating, Add	5.49	
05 52 13 00-0012 LF 2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	64.85	10.08
For Schedule 80 Handrail, Add	7.21	
For 11 Gauge A513 Steel Tubing, Deduct	-9.84	
For 12 Gauge A513 Steel Tubing, Deduct	-11.18	
For 14 Gauge A513 Steel Tubing, Deduct	-14.75	
For 16 Gauge A513 Steel Tubing, Deduct	-17.44	
For Additional Off Set Handrail, ADA Attachment, Add	12.52	
For Aluminum, Satin Finish, Add	18.78	
For Aluminum, Clear Anodized Finish, Add	29.06	
For Aluminum, Dark Anodized Finish, Add	33.53	
For Galvanizing, Add	17.88	
For Wrought Iron, Add	6.49	
For Solid Steel Rails, Add	12.97	
For 304 Stainless Steel, Add	143.07	
For 316 Stainless Steel, Add	160.96	
For 2" Wheel Guard, Add	4.25	
For 4" High Kick Plate, Add	5.59	
For 6" High Kick Plate, Add	8.94	
For Curved Rail, Add	32.87	
For Mounting On Stairs, Add	19.46	
For Mounting On Slopes, Add	6.49	
For Post Base Flange With Screws, Add Per Post	19.51	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.52	
For Custom Design Or Shapes (Square Tops, etc), Add	27.39	
For Nylon Coating, Add	6.71	

<b>05</b>	<b>05 Metals</b>
	<b>05 50 Metal Fabrications</b>
	<b>05 52 Metal Railings</b>



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 52 13 00-0013	LF 2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	74.59	10.08
	<i>For Schedule 80 Handrail, Add</i>	8.12	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-11.98	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-13.61	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-17.97	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-21.24	
	<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.52	
	<i>For Aluminum, Satin Finish, Add</i>	22.87	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	35.39	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	40.84	
	<i>For Galvanizing, Add</i>	21.78	
	<i>For Wrought Iron, Add</i>	7.46	
	<i>For Solid Steel Rails, Add</i>	14.92	
	<i>For 304 Stainless Steel, Add</i>	174.24	
	<i>For 316 Stainless Steel, Add</i>	196.02	
	<i>For 2" Wheel Guard, Add</i>	5.17	
	<i>For 4" High Kick Plate, Add</i>	6.81	
	<i>For 6" High Kick Plate, Add</i>	10.89	
	<i>For Curved Rail, Add</i>	38.71	
	<i>For Mounting On Stairs, Add</i>	22.38	
	<i>For Mounting On Slopes, Add</i>	7.46	
	<i>For Post Base Flange With Screws, Add Per Post</i>	19.51	
	<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.52	
	<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	32.26	
	<i>For Nylon Coating, Add</i>	8.17	
05 52 13 00-0014	<b>Three Rail, Up To 42" High, Welded Steel Pipe Railings</b> (05 52 13 00-0001)		
	Note: Includes factory primed posts and three rails.		
05 52 13 00-0015	LF 1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing .....	74.17	12.09
	<i>For Schedule 80 Handrail, Add</i>	5.99	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-11.00	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-12.50	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-16.50	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-19.50	
	<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.33	
	<i>For Aluminum, Satin Finish, Add</i>	21.00	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	32.49	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	37.49	
	<i>For Galvanizing, Add</i>	20.00	
	<i>For Wrought Iron, Add</i>	7.42	
	<i>For Solid Steel Rails, Add</i>	14.83	
	<i>For 304 Stainless Steel, Add</i>	159.97	
	<i>For 316 Stainless Steel, Add</i>	179.96	
	<i>For 2" Wheel Guard, Add</i>	4.75	
	<i>For 4" High Kick Plate, Add</i>	6.25	
	<i>For 6" High Kick Plate, Add</i>	10.00	
	<i>For Curved Rail, Add</i>	37.25	
	<i>For Mounting On Stairs, Add</i>	22.25	
	<i>For Mounting On Slopes, Add</i>	7.42	
	<i>For Post Base Flange With Screws, Add Per Post</i>	19.92	
	<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.13	
	<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	31.04	
	<i>For Nylon Coating, Add</i>	7.50	
05 52 13 00-0016	LF 1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	82.78	12.09
	<i>For Schedule 80 Handrail, Add</i>	8.95	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-12.89	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-14.65	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-19.34	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-22.85	
	<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.33	
	<i>For Aluminum, Satin Finish, Add</i>	24.61	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	38.09	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	43.95	
	<i>For Galvanizing, Add</i>	23.44	
	<i>For Wrought Iron, Add</i>	8.28	
	<i>For Solid Steel Rails, Add</i>	16.56	
	<i>For 304 Stainless Steel, Add</i>	187.52	
	<i>For 316 Stainless Steel, Add</i>	210.96	
	<i>For 2" Wheel Guard, Add</i>	5.57	
	<i>For 4" High Kick Plate, Add</i>	7.33	
	<i>For 6" High Kick Plate, Add</i>	11.72	
	<i>For Curved Rail, Add</i>	42.41	
	<i>For Mounting On Stairs, Add</i>	24.83	
	<i>For Mounting On Slopes, Add</i>	8.28	
	<i>For Post Base Flange With Screws, Add Per Post</i>	19.92	
	<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.13	
	<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	35.35	
	<i>For Nylon Coating, Add</i>	8.79	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 52	13 00-0017	LF	1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	91.39	12.09
				<i>For Schedule 80 Handrail, Add</i>	8.95	
				<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-14.79	
				<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-16.80	
				<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-22.18	
				<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-26.21	
				<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.33	
				<i>For Aluminum, Satin Finish, Add</i>	28.23	
				<i>For Aluminum, Clear Anodized Finish, Add</i>	43.69	
				<i>For Aluminum, Dark Anodized Finish, Add</i>	50.41	
				<i>For Galvanizing, Add</i>	26.88	
				<i>For Wrought Iron, Add</i>	9.14	
				<i>For Solid Steel Rails, Add</i>	18.28	
				<i>For 304 Stainless Steel, Add</i>	215.07	
				<i>For 316 Stainless Steel, Add</i>	241.96	
				<i>For 2" Wheel Guard, Add</i>	6.38	
				<i>For 4" High Kick Plate, Add</i>	8.40	
				<i>For 6" High Kick Plate, Add</i>	13.44	
				<i>For Curved Rail, Add</i>	47.58	
				<i>For Mounting On Stairs, Add</i>	27.42	
				<i>For Mounting On Slopes, Add</i>	9.14	
				<i>For Post Base Flange With Screws, Add Per Post</i>	19.92	
				<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.13	
				<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	39.65	
				<i>For Nylon Coating, Add</i>	10.08	
	05 52	13 00-0018	LF	2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	106.35	12.09
				<i>For Schedule 80 Handrail, Add</i>	10.14	
				<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-18.08	
				<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-20.54	
				<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-27.12	
				<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-32.05	
				<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.33	
				<i>For Aluminum, Satin Finish, Add</i>	34.51	
				<i>For Aluminum, Clear Anodized Finish, Add</i>	53.41	
				<i>For Aluminum, Dark Anodized Finish, Add</i>	61.63	
				<i>For Galvanizing, Add</i>	32.87	
				<i>For Wrought Iron, Add</i>	10.64	
				<i>For Solid Steel Rails, Add</i>	21.27	
				<i>For 304 Stainless Steel, Add</i>	262.94	
				<i>For 316 Stainless Steel, Add</i>	295.81	
				<i>For 2" Wheel Guard, Add</i>	7.81	
				<i>For 4" High Kick Plate, Add</i>	10.27	
				<i>For 6" High Kick Plate, Add</i>	16.43	
				<i>For Curved Rail, Add</i>	56.56	
				<i>For Mounting On Stairs, Add</i>	31.91	
				<i>For Mounting On Slopes, Add</i>	10.64	
				<i>For Post Base Flange With Screws, Add Per Post</i>	19.92	
				<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.13	
				<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	47.13	
				<i>For Nylon Coating, Add</i>	12.33	
	05 52	13 00-0019	LF	2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	124.17	12.09
				<i>For Schedule 80 Handrail, Add</i>	11.35	
				<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-22.00	
				<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-25.00	
				<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-33.00	
				<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-39.00	
				<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.33	
				<i>For Aluminum, Satin Finish, Add</i>	42.00	
				<i>For Aluminum, Clear Anodized Finish, Add</i>	64.99	
				<i>For Aluminum, Dark Anodized Finish, Add</i>	74.99	
				<i>For Galvanizing, Add</i>	40.00	
				<i>For Wrought Iron, Add</i>	12.42	
				<i>For Solid Steel Rails, Add</i>	24.83	
				<i>For 304 Stainless Steel, Add</i>	319.97	
				<i>For 316 Stainless Steel, Add</i>	359.96	
				<i>For 2" Wheel Guard, Add</i>	9.50	
				<i>For 4" High Kick Plate, Add</i>	12.50	
				<i>For 6" High Kick Plate, Add</i>	20.00	
				<i>For Curved Rail, Add</i>	67.25	
				<i>For Mounting On Stairs, Add</i>	37.25	
				<i>For Mounting On Slopes, Add</i>	12.42	
				<i>For Post Base Flange With Screws, Add Per Post</i>	19.92	
				<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.13	
				<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	56.04	
				<i>For Nylon Coating, Add</i>	15.00	

05 52 13 00-0020      **Four Rail, Up To 42" High, Welded Steel Pipe Railings** (05 52 13 00-001)  
 Note: Includes factory primed posts and four rails.



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 52 13 00-0021	LF 1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing .....	89.56	14.10
	For Schedule 80 Handrail, Add	8.13	
	For 11 Gauge A513 Steel Tubing, Deduct	-13.50	
	For 12 Gauge A513 Steel Tubing, Deduct	-15.34	
	For 14 Gauge A513 Steel Tubing, Deduct	-20.25	
	For 16 Gauge A513 Steel Tubing, Deduct	-23.93	
	For Additional Off Set Handrail, ADA Attachment, Add	14.13	
	For Aluminum, Satin Finish, Add	25.77	
	For Aluminum, Clear Anodized Finish, Add	39.88	
	For Aluminum, Dark Anodized Finish, Add	46.02	
	For Galvanizing, Add	24.54	
	For Wrought Iron, Add	8.96	
	For Solid Steel Rails, Add	17.91	
	For 304 Stainless Steel, Add	196.35	
	For 316 Stainless Steel, Add	220.90	
	For 2" Wheel Guard, Add	5.83	
	For 4" High Kick Plate, Add	7.67	
	For 6" High Kick Plate, Add	12.27	
	For Curved Rail, Add	45.28	
	For Mounting On Stairs, Add	26.87	
	For Mounting On Slopes, Add	8.96	
	For Post Base Flange With Screws, Add Per Post	20.32	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.73	
	For Custom Design Or Shapes (Square Tops, etc), Add	37.73	
	For Nylon Coating, Add	9.20	
05 52 13 00-0022	LF 1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing .....	97.20	14.10
	For Schedule 80 Handrail, Add	11.83	
	For 11 Gauge A513 Steel Tubing, Deduct	-15.18	
	For 12 Gauge A513 Steel Tubing, Deduct	-17.25	
	For 14 Gauge A513 Steel Tubing, Deduct	-22.77	
	For 16 Gauge A513 Steel Tubing, Deduct	-26.91	
	For Additional Off Set Handrail, ADA Attachment, Add	14.13	
	For Aluminum, Satin Finish, Add	28.98	
	For Aluminum, Clear Anodized Finish, Add	44.85	
	For Aluminum, Dark Anodized Finish, Add	51.75	
	For Galvanizing, Add	27.60	
	For Wrought Iron, Add	9.72	
	For Solid Steel Rails, Add	19.44	
	For 304 Stainless Steel, Add	220.80	
	For 316 Stainless Steel, Add	248.40	
	For 2" Wheel Guard, Add	6.56	
	For 4" High Kick Plate, Add	8.63	
	For 6" High Kick Plate, Add	13.80	
	For Curved Rail, Add	49.86	
	For Mounting On Stairs, Add	29.16	
	For Mounting On Slopes, Add	9.72	
	For Post Base Flange With Screws, Add Per Post	20.32	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.73	
	For Custom Design Or Shapes (Square Tops, etc), Add	41.55	
	For Nylon Coating, Add	10.35	
05 52 13 00-0023	LF 1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing .....	104.85	14.10
	For Schedule 80 Handrail, Add	11.83	
	For 11 Gauge A513 Steel Tubing, Deduct	-16.86	
	For 12 Gauge A513 Steel Tubing, Deduct	-19.16	
	For 14 Gauge A513 Steel Tubing, Deduct	-25.29	
	For 16 Gauge A513 Steel Tubing, Deduct	-29.89	
	For Additional Off Set Handrail, ADA Attachment, Add	14.13	
	For Aluminum, Satin Finish, Add	32.19	
	For Aluminum, Clear Anodized Finish, Add	49.82	
	For Aluminum, Dark Anodized Finish, Add	57.49	
	For Galvanizing, Add	30.66	
	For Wrought Iron, Add	10.49	
	For Solid Steel Rails, Add	20.97	
	For 304 Stainless Steel, Add	245.28	
	For 316 Stainless Steel, Add	275.94	
	For 2" Wheel Guard, Add	7.28	
	For 4" High Kick Plate, Add	9.58	
	For 6" High Kick Plate, Add	15.33	
	For Curved Rail, Add	54.45	
	For Mounting On Stairs, Add	31.46	
	For Mounting On Slopes, Add	10.49	
	For Post Base Flange With Screws, Add Per Post	20.32	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.73	
	For Custom Design Or Shapes (Square Tops, etc), Add	45.38	
	For Nylon Coating, Add	11.50	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0024 LF 2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	121.87	14.10
For Schedule 80 Handrail, Add	13.32	
For 11 Gauge A513 Steel Tubing, Deduct	-20.61	
For 12 Gauge A513 Steel Tubing, Deduct	-23.42	
For 14 Gauge A513 Steel Tubing, Deduct	-30.91	
For 16 Gauge A513 Steel Tubing, Deduct	-36.53	
For Additional Off Set Handrail, ADA Attachment, Add	14.13	
For Aluminum, Satin Finish, Add	39.34	
For Aluminum, Clear Anodized Finish, Add	60.89	
For Aluminum, Dark Anodized Finish, Add	70.25	
For Galvanizing, Add	37.47	
For Wrought Iron, Add	12.19	
For Solid Steel Rails, Add	24.37	
For 304 Stainless Steel, Add	299.74	
For 316 Stainless Steel, Add	337.21	
For 2" Wheel Guard, Add	8.90	
For 4" High Kick Plate, Add	11.71	
For 6" High Kick Plate, Add	18.73	
For Curved Rail, Add	64.66	
For Mounting On Stairs, Add	36.56	
For Mounting On Slopes, Add	12.19	
For Post Base Flange With Screws, Add Per Post	20.32	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.73	
For Custom Design Or Shapes (Square Tops, etc), Add	53.89	
For Nylon Coating, Add	14.05	
05 52 13 00-0025 LF 2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	141.82	14.10
For Schedule 80 Handrail, Add	14.83	
For 11 Gauge A513 Steel Tubing, Deduct	-25.00	
For 12 Gauge A513 Steel Tubing, Deduct	-28.41	
For 14 Gauge A513 Steel Tubing, Deduct	-37.49	
For 16 Gauge A513 Steel Tubing, Deduct	-44.31	
For Additional Off Set Handrail, ADA Attachment, Add	14.13	
For Aluminum, Satin Finish, Add	47.72	
For Aluminum, Clear Anodized Finish, Add	73.85	
For Aluminum, Dark Anodized Finish, Add	85.22	
For Galvanizing, Add	45.45	
For Wrought Iron, Add	14.18	
For Solid Steel Rails, Add	28.36	
For 304 Stainless Steel, Add	363.58	
For 316 Stainless Steel, Add	409.03	
For 2" Wheel Guard, Add	10.79	
For 4" High Kick Plate, Add	14.20	
For 6" High Kick Plate, Add	22.72	
For Curved Rail, Add	76.63	
For Mounting On Stairs, Add	42.55	
For Mounting On Slopes, Add	14.18	
For Post Base Flange With Screws, Add Per Post	20.32	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.73	
For Custom Design Or Shapes (Square Tops, etc), Add	63.86	
For Nylon Coating, Add	17.04	
<b>05 52 13 00-0026 Railing Infill Panels (05 52 13)</b>		
Note: Includes field welds and touch-up of welds.		
<b>05 52 13 00-0027 Wire Mesh Or Welded Wire Mesh, Railing Infill Panels (05 52 13 00-0026)</b>		
Note: Square weave or square welded wire mesh.		
05 52 13 00-0028 SF Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	14.40	
05 52 13 00-0029 SF Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	15.30	
05 52 13 00-0030 SF Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	16.08	
05 52 13 00-0031 SF Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	27.19	
<b>05 52 13 00-0032 Perforated Metal, Railing Infill Panels (05 52 13 00-0026)</b>		
05 52 13 00-0033 SF Powder Coated Steel, Perforated Metal, Railing Infill Panel .....	14.13	
05 52 13 00-0034 SF Galvanized Steel, Perforated Metal, Railing Infill Panel.....	14.61	
05 52 13 00-0035 SF Aluminum, Perforated Metal, Railing Infill Panel.....	15.64	
05 52 13 00-0036 SF Stainless Steel, Perforated Metal, Railing Infill Panel.....	31.38	
<b>05 52 13 00-0037 Expanded Metal, Railing Infill Panels (05 52 13 00-0026)</b>		
05 52 13 00-0038 SF Powder Coated Steel, Expanded Metal, Railing Infill Panel.....	6.37	
05 52 13 00-0039 SF Galvanized Steel, Expanded Metal, Railing Infill Panel .....	13.02	
05 52 13 00-0040 SF Aluminum, Expanded Metal, Railing Infill Panel.....	17.10	
05 52 13 00-0041 SF Stainless Steel, Expanded Metal, Railing Infill Panel.....	25.49	
<b>05 52 13 00-0042 Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings (05 52 13)</b>		
Note: Includes factory primed, fasteners and field touch-up of welds.		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 52 13 00-0043	LF 1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	35.94	6.04
	<i>For Schedule 80 Handrail, Add</i>	2.29	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-4.58	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-5.21	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-6.87	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-8.12	
	<i>For Stainless Steel, Add</i>	41.66	
	<i>For Aluminum, Satin Finish, Add</i>	8.75	
	<i>For Curved Rail, Add</i>	10.78	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	13.54	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	15.62	
	<i>For Galvanized Finish, Add</i>	6.25	
05 52 13 00-0044	LF 1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	36.61	6.04
	<i>For Schedule 80 Handrail, Add</i>	2.65	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-4.73	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-5.38	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-7.10	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-8.39	
	<i>For Stainless Steel, Add</i>	43.00	
	<i>For Aluminum, Satin Finish, Add</i>	9.03	
	<i>For Curved Rail, Add</i>	10.98	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	13.98	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	16.13	
	<i>For Galvanized Finish, Add</i>	6.45	
05 52 13 00-0045	LF 1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	37.28	6.04
	<i>For Schedule 80 Handrail, Add</i>	7.59	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-4.88	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-5.54	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-7.32	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-8.65	
	<i>For Stainless Steel, Add</i>	44.34	
	<i>For Aluminum, Satin Finish, Add</i>	9.31	
	<i>For Curved Rail, Add</i>	11.18	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	14.41	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	16.63	
	<i>For Galvanized Finish, Add</i>	6.65	
05 52 13 00-0046	LF 2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	45.01	6.04
	<i>For Schedule 80 Handrail, Add</i>	3.33	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.58	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.48	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-9.87	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-11.66	
	<i>For Stainless Steel, Add</i>	59.80	
	<i>For Aluminum, Satin Finish, Add</i>	12.56	
	<i>For Curved Rail, Add</i>	13.50	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	19.44	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	22.43	
	<i>For Galvanized Finish, Add</i>	8.97	
05 52 13 00-0047	LF 2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	51.39	6.04
	<i>For Schedule 80 Handrail, Add</i>	3.63	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-7.98	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-9.07	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-11.97	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-14.15	
	<i>For Stainless Steel, Add</i>	72.56	
	<i>For Aluminum, Satin Finish, Add</i>	15.24	
	<i>For Curved Rail, Add</i>	15.42	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	23.58	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	27.21	
	<i>For Galvanized Finish, Add</i>	10.88	

**05 52 13 00-0048 Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings** (05 52 13)

Note: Includes factory primed, fasteners and field touch-up of welds.

05 52 13 00-0049	LF 1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	43.83	6.34
	<i>For Schedule 80 Handrail, Add</i>	2.29	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.32	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.18	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-9.48	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-11.20	
	<i>For Stainless Steel, Add</i>	57.44	
	<i>For Aluminum, Satin Finish, Add</i>	12.06	
	<i>For Curved Rail, Add</i>	13.15	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	18.67	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	21.54	
	<i>For Galvanized Finish, Add</i>	8.62	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0050 LF 1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	44.77	6.34
For Schedule 80 Handrail, Add	2.65	
For 11 Gauge A513 Steel Tubing, Deduct	-6.53	
For 12 Gauge A513 Steel Tubing, Deduct	-7.42	
For 14 Gauge A513 Steel Tubing, Deduct	-9.79	
For 16 Gauge A513 Steel Tubing, Deduct	-11.57	
For Stainless Steel, Add	59.32	
For Aluminum, Satin Finish, Add	12.46	
For Curved Rail, Add	13.43	
For Aluminum, Clear Anodized Finish, Add	19.28	
For Aluminum, Dark Anodized Finish, Add	22.25	
For Galvanized Finish, Add	8.90	
05 52 13 00-0051 LF 1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	45.48	6.34
For Schedule 80 Handrail, Add	7.59	
For 11 Gauge A513 Steel Tubing, Deduct	-6.68	
For 12 Gauge A513 Steel Tubing, Deduct	-7.59	
For 14 Gauge A513 Steel Tubing, Deduct	-10.02	
For 16 Gauge A513 Steel Tubing, Deduct	-11.84	
For Stainless Steel, Add	60.74	
For Aluminum, Satin Finish, Add	12.76	
For Curved Rail, Add	13.64	
For Aluminum, Clear Anodized Finish, Add	19.74	
For Aluminum, Dark Anodized Finish, Add	22.78	
For Galvanized Finish, Add	9.11	
05 52 13 00-0052 LF 2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	56.26	6.34
For Schedule 80 Handrail, Add	3.33	
For 11 Gauge A513 Steel Tubing, Deduct	-9.05	
For 12 Gauge A513 Steel Tubing, Deduct	-10.29	
For 14 Gauge A513 Steel Tubing, Deduct	-13.58	
For 16 Gauge A513 Steel Tubing, Deduct	-16.05	
For Stainless Steel, Add	82.30	
For Aluminum, Satin Finish, Add	17.28	
For Curved Rail, Add	16.88	
For Aluminum, Clear Anodized Finish, Add	26.75	
For Aluminum, Dark Anodized Finish, Add	30.86	
For Galvanized Finish, Add	12.35	
05 52 13 00-0053 LF 2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	63.31	6.34
For Schedule 80 Handrail, Add	3.63	
For 11 Gauge A513 Steel Tubing, Deduct	-10.60	
For 12 Gauge A513 Steel Tubing, Deduct	-12.05	
For 14 Gauge A513 Steel Tubing, Deduct	-15.91	
For 16 Gauge A513 Steel Tubing, Deduct	-18.80	
For Stainless Steel, Add	96.40	
For Aluminum, Satin Finish, Add	20.24	
For Curved Rail, Add	18.99	
For Aluminum, Clear Anodized Finish, Add	31.33	
For Aluminum, Dark Anodized Finish, Add	36.15	
For Galvanized Finish, Add	14.46	
<b>05 52 13 00-0054 Railing Accessories (05 52 13)</b>		
05 52 13 00-0055 EA Anti-Skateboard Devise Attached To Stair Railing.....	45.23	20.49
<b>05 52 13 00-0056 Remove/Reinstall Pipe Railing (05 52 13)</b>		
05 52 13 00-0057 LF Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing.....	22.66	
05 52 13 00-0058 LF Removal And Reinstallation Of Floor Mounted Pipe Railing.....	30.26	
05 52 13 00-0059 EA Install New Galvanized Steel Pipe Railing Bracket.....	61.89	
For Stainless Steel, Add	63.34	
<b>05 53 Metal Gratings (05 50)</b>		
<b>05 53 13 Bar Gratings (05 53)</b>		
05 53 13 00-0001 <b>Welded Grating (05 53 13)</b>		
Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.		
05 53 13 00-0002 <b>Steel, Welded Grating (05 53 13 00-0001)</b>		
Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0003 SF 3/4" x 1/8" Steel, Welded Grating.....	11.15	1.10
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.52	
For 304 Stainless Steel, Add	28.67	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	2.61	
For Crossbars At 2" On-Center, Add	0.96	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.71	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0004	SF		3/4" x 3/16" Steel, Welded Grating.....	14.85	1.10
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.15	
			For 304 Stainless Steel, Add	40.54	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	3.69	
			For Crossbars At 2" On-Center, Add	1.36	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.80	
05 53 13 00-0005	SF		1" x 1/8" Steel, Welded Grating.....	13.53	1.10
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.92	
			For 304 Stainless Steel, Add	36.31	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	3.30	
			For Crossbars At 2" On-Center, Add	1.22	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.77	
05 53 13 00-0006	SF		1" x 3/16" Steel, Welded Grating.....	18.54	1.10
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.77	
			For 304 Stainless Steel, Add	52.39	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	4.77	
			For Crossbars At 2" On-Center, Add	1.76	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.90	
05 53 13 00-0007	SF		1" x 1/4" Steel, Welded Grating.....	23.56	1.10
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.63	
			For 304 Stainless Steel, Add	68.50	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	6.23	
			For Crossbars At 2" On-Center, Add	2.30	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.02	
05 53 13 00-0008	SF		1-1/4" x 1/8" Steel, Welded Grating .....	15.93	1.10
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.33	
			For 304 Stainless Steel, Add	44.01	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	4.00	
			For Crossbars At 2" On-Center, Add	1.48	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.83	
05 53 13 00-0009	SF		1-1/4" x 3/16" Steel, Welded Grating .....	22.03	1.10
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.37	
			For 304 Stainless Steel, Add	63.59	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	5.78	
			For Crossbars At 2" On-Center, Add	2.14	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.98	
05 53 13 00-0010	SF		1-1/2" x 1/8" Steel, Welded Grating .....	18.33	1.10
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.74	
			For 304 Stainless Steel, Add	51.71	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	4.70	
			For Crossbars At 2" On-Center, Add	1.74	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.89	
05 53 13 00-0011	SF		1-1/2" x 3/16" Steel, Welded Grating .....	26.20	1.36
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.99	
			For 304 Stainless Steel, Add	75.37	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	6.86	
			For Crossbars At 2" On-Center, Add	2.54	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.41	
05 53 13 00-0012	SF		1-1/2" x 1/4" Steel, Welded Grating .....	33.84	1.36
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	5.29	
			For 304 Stainless Steel, Add	99.90	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	9.09	
			For Crossbars At 2" On-Center, Add	3.36	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.60	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0013 SF 1-3/4" x 3/16" Steel, Welded Grating .....	29.93	1.36
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.63	
For 304 Stainless Steel, Add	87.34	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	7.95	
For Crossbars At 2" On-Center, Add	2.94	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.50	
05 53 13 00-0014 SF 2" x 3/16" Steel, Welded Grating .....	33.41	1.36
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.22	
For 304 Stainless Steel, Add	98.51	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	8.96	
For Crossbars At 2" On-Center, Add	3.31	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.59	
05 53 13 00-0015 SF 2-1/4" x 3/16" Steel, Welded Grating .....	37.11	1.36
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.85	
For 304 Stainless Steel, Add	110.39	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	10.04	
For Crossbars At 2" On-Center, Add	3.71	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.68	
05 53 13 00-0016 SF 2-1/2" x 3/16" Steel, Welded Grating .....	40.60	1.36
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	6.44	
For 304 Stainless Steel, Add	121.59	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	11.06	
For Crossbars At 2" On-Center, Add	4.09	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.77	
<b>05 53 13 00-0017 Pressure Locked Grating</b> <small>(05 53 13)</small>		
Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
<b>05 53 13 00-0018 Steel, Pressure Locked Grating</b> <small>(05 53 13 00-0017)</small>		
Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019 SF 3/4" x 1/8" Steel, Pressure Locked Grating.....	20.84	1.10
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.05	
For 304 Stainless Steel, Add	34.84	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	5.44	
For Crossbars At 2" On-Center, Add	2.01	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.95	
05 53 13 00-0020 SF 3/4" x 3/16" Steel, Pressure Locked Grating.....	25.60	1.10
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.83	
For 304 Stainless Steel, Add	43.74	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	6.83	
For Crossbars At 2" On-Center, Add	2.53	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.07	
05 53 13 00-0021 SF 1" x 1/8" Steel, Pressure Locked Grating.....	22.88	1.10
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.39	
For 304 Stainless Steel, Add	38.65	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	6.03	
For Crossbars At 2" On-Center, Add	2.23	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.00	
05 53 13 00-0022 SF 1" x 3/16" Steel, Pressure Locked Grating.....	31.04	1.10
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.73	
For 304 Stainless Steel, Add	53.92	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 7/16" On-Center, Add	41.79	
For Bearing Bars At 15/16" On-Center, Add	8.42	
For Crossbars At 2" On-Center, Add	3.11	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.21	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0023	SF	1-1/4" x 1/8" Steel, Pressure Locked Grating.....	25.60	1.10	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	3.83		
		For 304 Stainless Steel, Add	43.74		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 15/16" On-Center, Add	6.83		
		For Crossbars At 2" On-Center, Add	2.53		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.07		
05 53 13 00-0024	SF	1-1/4" x 3/16" Steel, Pressure Locked Grating.....	34.82	1.10	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	5.35		
		For 304 Stainless Steel, Add	60.99		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 15/16" On-Center, Add	9.52		
		For Crossbars At 2" On-Center, Add	3.52		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.30		
05 53 13 00-0025	SF	1-1/2" x 1/8" Steel, Pressure Locked Grating.....	28.45	1.10	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	4.30		
		For 304 Stainless Steel, Add	49.08		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 15/16" On-Center, Add	7.66		
		For Crossbars At 2" On-Center, Add	2.83		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.14		
05 53 13 00-0026	SF	1-1/2" x 3/16" Steel, Pressure Locked Grating.....	39.28	1.36	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	6.00		
		For 304 Stainless Steel, Add	68.40		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 7/16" On-Center, Add	53.01		
		For Bearing Bars At 15/16" On-Center, Add	10.68		
		For Crossbars At 2" On-Center, Add	3.95		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.74		
05 53 13 00-0027	SF	1-3/4" x 3/16" Steel, Pressure Locked Grating.....	43.27	1.36	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	6.65		
		For 304 Stainless Steel, Add	75.87		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 15/16" On-Center, Add	11.84		
		For Crossbars At 2" On-Center, Add	4.38		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.84		
05 53 13 00-0028	SF	2" x 3/16" Steel, Pressure Locked Grating.....	46.52	1.36	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	7.18		
		For 304 Stainless Steel, Add	81.95		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 15/16" On-Center, Add	12.79		
		For Crossbars At 2" On-Center, Add	4.73		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.92		
05 53 13 00-0029	SF	2-1/4" x 3/16" Steel, Pressure Locked Grating.....	49.63	1.36	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	7.69		
		For 304 Stainless Steel, Add	87.77		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 15/16" On-Center, Add	13.70		
		For Crossbars At 2" On-Center, Add	5.07		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.00		
05 53 13 00-0030	SF	2-1/2" x 3/16" Steel, Pressure Locked Grating.....	52.33	1.36	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	8.14		
		For 304 Stainless Steel, Add	92.82		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 15/16" On-Center, Add	14.49		
		For Crossbars At 2" On-Center, Add	5.36		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.06		
05 53 13 00-0031		Aluminum, Type 6063, Pressure Locked Grating <small>(05 53 13 00-0017)</small>			
		Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.			
05 53 13 00-0032	SF	3/4" x 1/8" Aluminum, Pressure Locked Grating .....	21.36	1.10	
		For Bearing Bars At 15/16" On-Center, Add	5.59		
		For Crossbars At 2" On-Center, Add	2.07		
		For Set In Place Without Bolting, Deduct	-1.97		
		For Powder Coating, Add	2.87		
05 53 13 00-0033	SF	3/4" x 3/16" Aluminum, Pressure Locked Grating .....	29.20	1.10	
		For Bearing Bars At 15/16" On-Center, Add	7.88		
		For Crossbars At 2" On-Center, Add	2.91		
		For Set In Place Without Bolting, Deduct	-2.16		
		For Powder Coating, Add	4.05		



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0034 SF 1" x 1/8" Aluminum, Pressure Locked Grating.....	27.51	1.10
For Bearing Bars At 15/16" On-Center, Add	7.38	
For Crossbars At 2" On-Center, Add	2.73	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.12	
For Powder Coating, Add	3.79	
05 53 13 00-0035 SF 1" x 3/16" Aluminum, Pressure Locked Grating.....	37.65	1.10
For Bearing Bars At 7/16" On-Center, Add	51.37	
For Bearing Bars At 15/16" On-Center, Add	10.35	
For Crossbars At 2" On-Center, Add	3.83	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.37	
For Powder Coating, Add	5.31	
05 53 13 00-0036 SF 1-1/4" x 1/8" Aluminum, Pressure Locked Grating.....	31.97	1.10
For Bearing Bars At 15/16" On-Center, Add	8.69	
For Crossbars At 2" On-Center, Add	3.21	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.23	
For Powder Coating, Add	4.46	
05 53 13 00-0037 SF 1-1/4" x 3/16" Aluminum, Pressure Locked Grating.....	43.03	1.10
For Bearing Bars At 15/16" On-Center, Add	11.92	
For Crossbars At 2" On-Center, Add	4.41	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.51	
For Powder Coating, Add	6.12	
05 53 13 00-0038 SF 1-1/2" x 1/8" Aluminum, Pressure Locked Grating.....	36.17	1.10
For Bearing Bars At 15/16" On-Center, Add	9.91	
For Crossbars At 2" On-Center, Add	3.67	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.34	
For Powder Coating, Add	5.09	
05 53 13 00-0039 SF 1-1/2" x 3/16" Aluminum, Pressure Locked Grating.....	48.58	1.10
For Bearing Bars At 7/16" On-Center, Add	67.22	
For Bearing Bars At 15/16" On-Center, Add	13.54	
For Crossbars At 2" On-Center, Add	5.01	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.65	
For Powder Coating, Add	6.95	
05 53 13 00-0040 SF 1-3/4" x 3/16" Aluminum, Pressure Locked Grating.....	53.88	1.10
For Bearing Bars At 15/16" On-Center, Add	15.08	
For Crossbars At 2" On-Center, Add	5.58	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.78	
For Powder Coating, Add	7.75	
05 53 13 00-0041 SF 2" x 3/16" Aluminum, Pressure Locked Grating.....	60.17	1.10
For Bearing Bars At 15/16" On-Center, Add	16.92	
For Crossbars At 2" On-Center, Add	6.26	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.94	
For Powder Coating, Add	8.69	
05 53 13 00-0042 SF 2-1/4" x 3/16" Aluminum, Pressure Locked Grating.....	65.11	1.10
For Bearing Bars At 15/16" On-Center, Add	18.36	
For Crossbars At 2" On-Center, Add	6.79	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-3.06	
For Powder Coating, Add	9.43	
05 53 13 00-0043 SF 2-1/2" x 3/16" Aluminum, Pressure Locked Grating.....	70.99	1.10
For Bearing Bars At 15/16" On-Center, Add	20.08	
For Crossbars At 2" On-Center, Add	7.43	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-3.21	
For Powder Coating, Add	10.32	
<b>05 53 13 00-0044 Swage Locked Grating</b> <small>(05 53 13)</small>		
Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.		
<b>05 53 13 00-0045 Steel, Swage Locked Grating</b> <small>(05 53 13 00-0044)</small>		
Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0046 SF 1" x 3/16" Steel, Swaged Grating.....	33.94	1.10
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.92	
For 304 Stainless Steel, Add	52.59	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	20.30	
For Crossbars At 2" On-Center, Add	2.54	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.28	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0047	SF		1-1/4" x 3/16" Steel, Swaged Grating.....	37.85	1.10
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.28	
			For 304 Stainless Steel, Add	59.07	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	22.80	
			For Crossbars At 2" On-Center, Add	2.85	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.38	
05 53 13 00-0048	SF		1-1/2" x 3/16" Steel, Swaged Grating.....	41.42	1.36
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.56	
			For 304 Stainless Steel, Add	64.16	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	24.77	
			For Crossbars At 2" On-Center, Add	3.10	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.79	
05 53 13 00-0049	SF		1-3/4" x 3/16" Steel, Swaged Grating.....	47.41	1.36
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.11	
			For 304 Stainless Steel, Add	74.10	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	28.60	
			For Crossbars At 2" On-Center, Add	3.58	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.94	
05 53 13 00-0050	SF		2" x 3/16" Steel, Swaged Grating.....	53.44	1.36
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.67	
			For 304 Stainless Steel, Add	84.09	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	32.46	
			For Crossbars At 2" On-Center, Add	4.06	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.09	
05 53 13 00-0051	SF		2-1/4" x 3/16" Steel, Swaged Grating.....	59.43	1.36
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	5.22	
			For 304 Stainless Steel, Add	94.03	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	36.29	
			For Crossbars At 2" On-Center, Add	4.54	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.24	
05 53 13 00-0052	SF		2-1/2" x 3/16" Steel, Swaged Grating.....	65.46	1.36
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	5.77	
			For 304 Stainless Steel, Add	104.02	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	40.15	
			For Crossbars At 2" On-Center, Add	5.02	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.39	
05 53 13 00-0053			<b>Aluminum Grating, Type 6063, Swage Locked</b> (05.53 13.00-0044)		
			Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.		
05 53 13 00-0054	SF		1" x 1/8" Aluminum, Swaged Grating.....	25.35	1.10
			For Bearing Bars At 15/16" On-Center, Add	14.80	
			For Crossbars At 2" On-Center, Add	1.85	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.07	
			For Powder Coating, Add	3.47	
05 53 13 00-0055	SF		1" x 3/16" Aluminum, Swaged Grating.....	33.09	1.10
			For Bearing Bars At 15/16" On-Center, Add	19.76	
			For Crossbars At 2" On-Center, Add	2.47	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.26	
			For Powder Coating, Add	4.63	
05 53 13 00-0056	SF		1-1/4" x 1/8" Aluminum, Swaged Grating.....	28.83	1.10
			For Bearing Bars At 15/16" On-Center, Add	17.03	
			For Crossbars At 2" On-Center, Add	2.13	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.15	
			For Powder Coating, Add	3.99	
05 53 13 00-0057	SF		1-1/4" x 3/16" Aluminum, Swaged Grating.....	38.30	1.10
			For Bearing Bars At 15/16" On-Center, Add	23.09	
			For Crossbars At 2" On-Center, Add	2.89	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.39	
			For Powder Coating, Add	5.41	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0058	SF			1-1/2" x 1/8" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	32.95 19.67 2.46 0.16 -2.26 4.61	1.10
05 53 13 00-0059	SF			1-1/2" x 3/16" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	43.88 26.66 3.33 0.16 -2.53 6.25	1.10
05 53 13 00-0060	SF			1-3/4" x 3/16" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	50.30 30.77 3.85 0.16 -2.69 7.21	1.10
05 53 13 00-0061	SF			2" x 3/16" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	56.69 34.86 4.36 0.16 -2.85 8.17	1.10
05 53 13 00-0062	SF			2-1/4" x 3/16" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	63.11 38.97 4.87 0.16 -3.01 9.13	1.10
05 53 13 00-0063	SF			2-1/2" x 3/16" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	69.50 43.06 5.38 0.16 -3.17 10.09	1.10
05 53 13 00-0064				<b>Riveted Grating</b> <small>(05 53 13)</small> Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.		
05 53 13 00-0065				<b>Steel, Riveted Grating</b> <small>(05 53 13 00-0064)</small> Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.		
05 53 13 00-0066	SF			3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	64.27 0.22 2.98 53.30 21.41 -3.04	1.10
05 53 13 00-0067	SF			3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	75.63 0.22 3.52 63.06 25.33 -3.32	1.10
05 53 13 00-0068	SF			1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	69.50 0.22 3.23 57.79 23.21 0.16 -3.17	1.10
05 53 13 00-0069	SF			1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	79.96 0.22 3.73 66.78 26.82 0.16 -3.43	1.10
05 53 13 00-0070	SF			1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	73.83 0.22 3.44 61.51 24.71 0.16 -3.28	1.10
05 53 13 00-0071	SF			1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	88.02 0.22 4.12 73.70 29.60 0.16 -3.63	1.10



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0072	SF	1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating.....	78.51	1.36
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.64	
		For 304 Stainless Steel, Add	65.10	
		For 5/8" Clear Opening, Add	26.15	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.72	
05 53 13 00-0073	SF	1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating.....	93.67	1.36
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	4.37	
		For 304 Stainless Steel, Add	78.13	
		For 5/8" Clear Opening, Add	31.38	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.10	
05 53 13 00-0074	SF	1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating.....	101.41	1.36
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	4.74	
		For 304 Stainless Steel, Add	84.77	
		For 5/8" Clear Opening, Add	34.05	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.29	
05 53 13 00-0075	SF	2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating.....	118.68	1.36
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	5.57	
		For 304 Stainless Steel, Add	99.61	
		For 5/8" Clear Opening, Add	40.01	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.72	
05 53 13 00-0076	SF	2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating.....	124.71	1.36
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	5.86	
		For 304 Stainless Steel, Add	104.79	
		For 5/8" Clear Opening, Add	42.09	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.87	
05 53 13 00-0077	SF	2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating.....	130.07	1.36
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	6.11	
		For 304 Stainless Steel, Add	109.39	
		For 5/8" Clear Opening, Add	43.94	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-5.01	
<b>05 53 13 00-0078</b>		<b>Aluminum, Riveted Grating</b> <small>(05 53 13 00-0064)</small>		
		Note: 1" clear opening, bolted in place and in all sizes.		
05 53 13 00-0079	SF	3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating.....	55.03	1.10
		For 5/8" Clear Opening, Add	18.22	
		For Powder Coating, Add	7.92	
		For Set In Place Without Bolting, Deduct	-2.81	
05 53 13 00-0080	SF	3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating.....	65.48	1.10
		For 5/8" Clear Opening, Add	21.82	
		For Powder Coating, Add	9.49	
		For Set In Place Without Bolting, Deduct	-3.07	
05 53 13 00-0081	SF	1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating.....	60.61	1.10
		For 5/8" Clear Opening, Add	20.14	
		For Serrated Wear Surface, Add	0.16	
		For Powder Coating, Add	8.76	
		For Set In Place Without Bolting, Deduct	-2.95	
05 53 13 00-0082	SF	1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating.....	70.82	1.10
		For 5/8" Clear Opening, Add	23.67	
		For Serrated Wear Surface, Add	0.16	
		For Powder Coating, Add	10.29	
		For Set In Place Without Bolting, Deduct	-3.20	
05 53 13 00-0083	SF	1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating.....	68.08	1.10
		For 5/8" Clear Opening, Add	22.72	
		For Serrated Wear Surface, Add	0.16	
		For Powder Coating, Add	9.88	
		For Set In Place Without Bolting, Deduct	-3.13	
05 53 13 00-0084	SF	1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating.....	82.25	1.10
		For 5/8" Clear Opening, Add	27.61	
		For Serrated Wear Surface, Add	0.16	
		For Powder Coating, Add	12.00	
		For Set In Place Without Bolting, Deduct	-3.49	
05 53 13 00-0085	SF	1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating.....	73.19	1.10
		For 5/8" Clear Opening, Add	24.48	
		For Serrated Wear Surface, Add	0.16	
		For Powder Coating, Add	10.65	
		For Set In Place Without Bolting, Deduct	-3.26	
05 53 13 00-0086	SF	1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating.....	91.18	1.10
		For 5/8" Clear Opening, Add	30.69	
		For Serrated Wear Surface, Add	0.16	
		For Powder Coating, Add	13.34	
		For Set In Place Without Bolting, Deduct	-3.71	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 53	13 00-0087	SF	1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating..... <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Powder Coating, Add</i> <i>For Set In Place Without Bolting, Deduct</i>	100.61 33.94 0.16 14.76 -3.95	1.10
	05 53	13 00-0088	SF	2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating..... <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Powder Coating, Add</i> <i>For Set In Place Without Bolting, Deduct</i>	119.99 40.63 0.16 17.67 -4.43	1.10
	05 53	13 00-0089	SF	2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating..... <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Powder Coating, Add</i> <i>For Set In Place Without Bolting, Deduct</i>	130.97 44.42 0.16 19.31 -4.71	1.10
	05 53	13 00-0090	SF	2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating..... <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Powder Coating, Add</i> <i>For Set In Place Without Bolting, Deduct</i>	145.72 49.51 0.16 21.53 -5.07	1.10
<b>05 53 16 Plank Gratings (05 53)</b>						
	05 53	16 00-0001		<b>Grate-Lock Steel Plank Grating (05 53 16)</b> Note: Smooth or traction grip surface.		
	05 53	16 00-0002	SF	1-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	16.99 1.96	0.86
	05 53	16 00-0003	SF	2-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	18.13 2.13	1.06
	05 53	16 00-0004	SF	3" Height, 18 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	19.11 2.26	1.16
	05 53	16 00-0005	SF	4" Height, 18 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	20.87 2.47	1.26
	05 53	16 00-0006	SF	1-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	20.71 2.36	0.96
	05 53	16 00-0007	SF	2-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	22.01 2.55	1.16
	05 53	16 00-0008	SF	1-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	25.42 2.88	1.10
	05 53	16 00-0009	SF	2-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	27.05 3.11	1.36
	05 53	16 00-0010	SF	3" Height, 14 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	28.91 3.40	1.71
	05 53	16 00-0011	SF	4" Height, 14 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	31.92 3.77	1.92
<b>05 54 Metal Floor Plates (05 50)</b>						
	05 54	00 00-0001		<b>Steel Floor Plates (05 54)</b>		
	05 54	00 00-0002	SF	16 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	18.62	1.31
	05 54	00 00-0003	SF	14 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	21.34	1.31
	05 54	00 00-0004	SF	12 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	26.81	1.31
	05 54	00 00-0005	SF	1/8" Steel Raised Or Diamond Pattern Floor Plates.....	35.90	1.41
	05 54	00 00-0006	SF	1/4" Steel Raised Or Diamond Pattern Floor Plates.....	45.71	1.51
	05 54	00 00-0007		<b>Aluminum Alloy Floor Plates (05 54)</b>		
	05 54	00 00-0008	SF	0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate..... <i>For Powder Coating, Add</i>	28.94 4.01	1.10
	05 54	00 00-0009	SF	0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate..... <i>For Powder Coating, Add</i>	33.21 4.60	1.31
	05 54	00 00-0010	SF	0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate..... <i>For Powder Coating, Add</i>	37.49 5.20	1.41
	05 54	00 00-0011		<b>Type 304 Stainless Steel Floor Plates (05 54)</b>		
	05 54	00 00-0012	SF	1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	28.51	1.51
	05 54	00 00-0013	SF	3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	34.06	1.71
	05 54	00 00-0014	SF	1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate.....	44.03	2.01
<b>05 55 Metal Stair Treads and Nosings (05 50)</b>						
	05 55	13		<b>Metal Stair Treads (05 55)</b>		
	05 55	13 00-0001		<b>Abrasive Cast Aluminum Stair Treads (05 55 13)</b> Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
	05 55	13 00-0002	LF	8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	68.71 14.78	5.99
	05 55	13 00-0003	LF	9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	75.81 16.56	5.99

**05 Metals****05 50 Metal Fabrications****05 55 Metal Stair Treads and Nosings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0004	LF		10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	82.90	5.99
			<i>For 3/8" Thick, Add</i>	18.33	
05 55 13 00-0005	LF		11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	90.02	5.99
			<i>For 3/8" Thick, Add</i>	20.11	
05 55 13 00-0006	LF		12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	97.09	5.99
			<i>For 3/8" Thick, Add</i>	21.88	
<b>05 55 13 00-0007</b>			<b>Abrasive Cast Iron Stair Treads</b> <small>(05 55 13)</small>		
			Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
05 55 13 00-0008	LF		8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	96.26	5.99
05 55 13 00-0009	LF		9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	106.78	5.99
05 55 13 00-0010	LF		10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	117.33	5.99
05 55 13 00-0011	LF		11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	127.85	5.99
05 55 13 00-0012	LF		12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	138.40	5.99
<b>05 55 13 00-0013</b>			<b>Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads</b> <small>(05 55 13)</small>		
			Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0014	LF		6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	35.48	5.99
05 55 13 00-0015	LF		9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	41.92	5.99
05 55 13 00-0016	LF		11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	44.76	5.99
<b>05 55 13 00-0017</b>			<b>Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads</b> <small>(05 55 13)</small>		
			Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0018	LF		8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	53.25	5.99
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.47	
			<i>For Two Color Tread, Add</i>	3.35	
05 55 13 00-0019	LF		9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	53.78	5.99
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.47	
			<i>For Two Color Tread, Add</i>	3.35	
05 55 13 00-0020	LF		11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	65.36	5.99
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.47	
			<i>For Two Color Tread, Add</i>	3.35	
05 55 13 00-0021	LF		12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	75.50	5.99
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.47	
			<i>For Two Color Tread, Add</i>	3.35	
05 55 13 00-0022	LF		15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	88.73	5.99
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.47	
			<i>For Two Color Tread, Add</i>	3.35	
<b>05 55 13 00-0023</b>			<b>Stair Landing Treads</b> <small>(05 55 13)</small>		
<b>05 55 13 00-0024</b>			<b>Abrasive Cast Aluminum Stair Landing Treads</b> <small>(05 55 13 00-0023)</small>		
			Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0025	SF		5/16" Thick, Abrasive Cast Aluminum Landing Treads.....	97.09	5.99
			<i>For 3/8" Thick, Add</i>	21.88	
<b>05 55 13 00-0026</b>			<b>Abrasive Cast Iron Stair Landing Treads</b> <small>(05 55 13 00-0023)</small>		
			Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0027	SF		3/8" Thick, Abrasive Cast Iron Landing Treads.....	138.40	5.99
<b>05 55 13 00-0028</b>			<b>Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads</b> <small>(05 55 13 00-0023)</small>		
			Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029	SF		9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads.....	89.89	5.99
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.47	
<b>05 55 13 00-0030</b>			<b>Open Cast Iron Stair Tread</b> <small>(05 55 13)</small>		
			Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.		
05 55 13 00-0031	RSR		3'-6" Wide, Open Cast Iron Stair Tread.....	652.10	40.29
			<i>For Solid Metal Matching Riser, Add</i>	80.83	
05 55 13 00-0032	RSR		4'-0" Wide, Open Cast Iron Stair Tread.....	731.20	46.33
			<i>For Solid Metal Matching Riser, Add</i>	89.96	
05 55 13 00-0033	RSR		5'-0" Wide, Open Cast Iron Stair Tread.....	805.36	54.39
			<i>For Solid Metal Matching Riser, Add</i>	98.71	
<b>05 55 16</b>			<b>Metal Stair Nosings</b> <small>(05 55)</small>		
<b>05 55 16 00-0001</b>			<b>Abrasive Cast Aluminum Nosings</b> <small>(05 55 16)</small>		
			Note: Includes abrasive diamond pattern surface and anchors.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 16 00-0002	LF		3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing..... <i>For 3/8" Thick, Add</i>	28.59 5.51	4.09
05 55 16 00-0003	LF		4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing..... <i>For 3/8" Thick, Add</i>	35.45 7.23	4.09
05 55 16 00-0004	LF		6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing..... <i>For 3/8" Thick, Add</i>	50.73 11.05	4.09
<b>05 55 16 00-0005</b>			<b>Abrasive Cast Iron Nosings</b> <small>(05 55 16)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006	LF		3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing..... <i>For 3/8" Thick, Add</i>	33.60 6.77	4.09
05 55 16 00-0007	LF		4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing..... <i>For 3/8" Thick, Add</i>	42.04 8.88	4.09
05 55 16 00-0008	LF		6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing..... <i>For 3/8" Thick, Add</i>	58.73 13.05	4.09
<b>05 55 16 00-0009</b>			<b>Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings</b> <small>(05 55 16)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010	LF		1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing .....	23.94	4.09
05 55 16 00-0011	LF		3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	27.25	4.09
05 55 16 00-0012	LF		4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	29.78	4.09
05 55 16 00-0013	LF		6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	37.62	4.09
05 55 16 00-0014	LF		1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing .....	24.84	4.09
05 55 16 00-0015	LF		3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing .....	27.65	4.09
05 55 16 00-0016	LF		4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing .....	30.45	4.09
05 55 16 00-0017	LF		3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing .....	28.75	4.09
<b>05 56</b>			<b>Metal Castings</b> <small>(05 50)</small>		
<b>05 56 00 00-0001</b>			<b>Castings</b> <small>(05 56)</small>		
05 56 00 00-0002	LB		Up To 150 LB, Miscellaneous Castings, Light Section .....	5.13	0.51
05 56 00 00-0003	LB		>150 LB, Miscellaneous Castings, Heavy Section.....	8.80	0.40
<b>05 58</b>			<b>Formed Metal Fabrications</b> <small>(05 50)</small>		
<b>05 58 16</b>			<b>Formed Metal Enclosures</b> <small>(05 58)</small>		
<b>05 58 16 00-0001</b>			<b>Drip Pan</b> <small>(05 58 16)</small>		
05 58 16 00-0002	SF		Stainless Steel Drip Pan .....	107.89	5.65
05 58 16 00-0003	SF		Galvanized Steel Drip Pan.....	106.55	5.65
05 58 16 00-0004	SF		Aluminum Drip Pan.....	74.60	4.52
05 58 16 00-0005	SF		Plastic Drip Pan.....	18.40	3.96
<b>05 58 23</b>			<b>Formed Metal Guards</b> <small>(05 58)</small>		
<b>05 58 23 00-0001</b>			<b>Protective Guard Rails</b> <small>(05 58 23)</small> Note: Includes painted finish.		
<b>05 58 23 00-0002</b>			<b>2-Rib, 11 Gauge Steel, Protective Guard Rails</b> <small>(05 58 23 00-0001)</small> Note: Steel King Armor Guard.		
<b>05 58 23 00-0003</b>			<b>Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails</b> <small>(05 58 23 00-0002)</small> Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004	EA		1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	198.30	19.62
05 58 23 00-0005	EA		2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	233.83	19.62
05 58 23 00-0006	EA		3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	267.33	19.62
05 58 23 00-0007	EA		4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	302.86	19.62
05 58 23 00-0008	EA		5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	336.55	19.62
05 58 23 00-0009	EA		6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	380.24	19.62
05 58 23 00-0010	EA		7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	410.00	19.62
05 58 23 00-0011	EA		8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	456.08	19.62
05 58 23 00-0012	EA		9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	486.33	19.62
05 58 23 00-0013	EA		10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	507.93	19.62
<b>05 58 23 00-0014</b>			<b>Posts For 2-Rib Guard Rails</b> <small>(05 58 23 00-0002)</small> Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015	EA		12" Height, Single Rail Post For 2-Rib Guard Rails.....	396.63	40.87
05 58 23 00-0016	EA		42" Height, Triple Rail Post For 2-Rib Guard Rails.....	520.00	40.87
<b>05 58 23 00-0017</b>			<b>3-Rib, 11 Gauge Steel, Protective Guard Rails</b> <small>(05 58 23 00-0001)</small> Note: Steel King Steel Guard.		
<b>05 58 23 00-0018</b>			<b>Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails</b> <small>(05 58 23 00-0017)</small> Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019	EA		1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	219.71	19.62

**05 Metals****05 50 Metal Fabrications****05 58 Formed Metal Fabrications**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0020 EA 2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	243.33	19.62
05 58 23 00-0021 EA 3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	272.80	19.62
05 58 23 00-0022 EA 4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	300.36	19.62
05 58 23 00-0023 EA 5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	332.23	19.62
05 58 23 00-0024 EA 6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	347.59	19.62
05 58 23 00-0025 EA 7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	384.56	19.62
05 58 23 00-0026 EA 8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	415.76	19.62
05 58 23 00-0027 EA 9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	448.88	19.62
05 58 23 00-0028 EA 10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	482.49	19.62
<b>05 58 23 00-0029 Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017)</b>		
Note: Excludes posts. Includes fasteners and lift-out mounting plate.		
05 58 23 00-0030 EA 1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	325.99	19.62
05 58 23 00-0031 EA 2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	351.91	19.62
05 58 23 00-0032 EA 3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	378.80	19.62
05 58 23 00-0033 EA 4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	410.00	19.62
05 58 23 00-0034 EA 5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	441.20	19.62
05 58 23 00-0035 EA 6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	466.64	19.62
05 58 23 00-0036 EA 7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	495.93	19.62
05 58 23 00-0037 EA 8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	529.05	19.62
05 58 23 00-0038 EA 9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	564.57	19.62
05 58 23 00-0039 EA 10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	595.77	19.62
<b>05 58 23 00-0040 Posts For 3-Rib Guard Rails (05 58 23 00-0017)</b>		
Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0041 EA 18" Height, Single Rail Post For 3-Rib Guard Rails .....	347.48	40.87
05 58 23 00-0042 EA 42" Height, Double Rail Post For 3-Rib Guard Rails.....	447.52	40.87
<b>05 58 23 00-0043 All-Welded, Protective Guards (05 58 23)</b>		
Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		
<b>05 58 23 00-0044 All-Welded, Protective Guards (05 58 23 00-0043)</b>		
05 58 23 00-0045 EA 36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	453.16	54.48
05 58 23 00-0046 EA 48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	477.16	54.48
05 58 23 00-0047 EA 36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	491.08	54.48
05 58 23 00-0048 EA 48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	511.72	54.48
05 58 23 00-0049 EA 36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	506.92	54.48
05 58 23 00-0050 EA 48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	532.36	54.48
05 58 23 00-0051 EA 36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	539.56	54.48
05 58 23 00-0052 EA 48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	547.72	54.48
05 58 23 00-0053 EA 48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	586.61	54.48
<b>05 58 23 00-0054 Corner Style, All-Welded, Protective Guards (05 58 23 00-0043)</b>		
05 58 23 00-0055 EA 24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	601.97	54.48
05 58 23 00-0056 EA 30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	630.77	54.48
05 58 23 00-0057 EA 24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	642.77	54.48
05 58 23 00-0058 EA 30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	701.82	54.48
<b>05 58 23 00-0059 Warehouse Safety Bollards (05 58 23)</b>		
Note: Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0060 EA 24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	276.82	40.87
05 58 23 00-0061 EA 36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	324.25	40.87
05 58 23 00-0062 EA 42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	374.46	40.87
05 58 23 00-0063 EA 36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	388.19	40.87
05 58 23 00-0064 EA 42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	419.88	40.87
<b>05 59 Metal Specialties (05 50)</b>		
<b>05 59 65 Metal Chain (05 59)</b>		
<b>05 59 65 00-0001 Alloy Steel Chain, Self Colored, Cut Length (05 59 65)</b>		
Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.		
05 59 65 00-0002 LF 3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	5.98	0.97
For Plastic Dipped, Add		0.60
05 59 65 00-0003 LF 1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	7.55	1.29
For Plastic Dipped, Add		0.74
05 59 65 00-0004 LF 3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	11.85	2.59
For Plastic Dipped, Add		1.00
05 59 65 00-0005 LF 1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	19.00	4.36
For Plastic Dipped, Add		1.54
05 59 65 00-0006 LF 5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	32.06	7.38
For Plastic Dipped, Add		2.60
05 59 65 00-0007 LF 3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	45.00	10.35
For Plastic Dipped, Add		3.65



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 65 00-0008 LF 7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	61.50 5.34	12.93
05 59 65 00-0009 LF 1" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	89.13 8.20	17.24
05 59 65 00-0010 LF 1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored ..... <i>For Plastic Dipped, Add</i>	145.25 14.03	25.87
 <b>05 59 69 Metal Panels <small>(05 59)</small></b>		
05 59 69 00-0001 Woven And Welded Wire Cloth <small>(05 59 69)</small> Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.		
05 59 69 00-0002 Plain Steel Woven And Welded Wire Cloth Panels <small>(05 59 69 00-0001)</small>		
05 59 69 00-0003 2" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0004 SF 0.12" Thick Wire, 2" Spacing, 0.44 LB/SF Woven And Welded Wire Cloth Panels ..... <i>For Up To 2, Add</i> <i>For &gt;2 To 6, Add</i> <i>For &gt;15 To 40, Deduct</i> <i>For &gt;40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	9.39 2.62 1.49 -0.29 -0.86 2.51 3.42 13.68 15.68	2.76
05 59 69 00-0005 SF 0.135" Thick Wire, 2" Spacing, 0.55 LB/SF Woven And Welded Wire Cloth Panels ..... <i>For Up To 2, Add</i> <i>For &gt;2 To 6, Add</i> <i>For &gt;15 To 40, Deduct</i> <i>For &gt;40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	10.10 2.79 1.59 -0.31 -0.94 2.75 3.76 15.02 17.22	2.87
05 59 69 00-0006 SF 0.148" Thick Wire, 2" Spacing, 0.65 LB/SF Woven And Welded Wire Cloth Panels ..... <i>For Up To 2, Add</i> <i>For &gt;2 To 6, Add</i> <i>For &gt;15 To 40, Deduct</i> <i>For &gt;40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	10.73 3.00 1.71 -0.32 -0.97 2.85 3.89 15.55 17.82	3.19
05 59 69 00-0007 SF 0.162" Thick Wire, 2" Spacing, 0.78 LB/SF Woven And Welded Wire Cloth Panels ..... <i>For Up To 2, Add</i> <i>For &gt;2 To 6, Add</i> <i>For &gt;15 To 40, Deduct</i> <i>For &gt;40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	11.31 3.15 1.79 -0.34 -1.03 3.03 4.13 16.54 18.95	3.33
05 59 69 00-0008 SF 0.177" Thick Wire, 2" Spacing, 0.92 LB/SF Woven And Welded Wire Cloth Panels ..... <i>For Up To 2, Add</i> <i>For &gt;2 To 6, Add</i> <i>For &gt;15 To 40, Deduct</i> <i>For &gt;40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	12.37 3.47 1.98 -0.37 -1.11 3.26 4.44 17.76 20.35	3.73
05 59 69 00-0009 SF 0.192" Thick Wire, 2" Spacing, 1.08 LB/SF Woven And Welded Wire Cloth Panels ..... <i>For Up To 2, Add</i> <i>For &gt;2 To 6, Add</i> <i>For &gt;15 To 40, Deduct</i> <i>For &gt;40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	14.21 3.95 2.25 -0.43 -1.30 3.82 5.21 20.83 23.87	4.15
05 59 69 00-0010 SF 0.207" Thick Wire, 2" Spacing, 1.25 LB/SF Woven And Welded Wire Cloth Panels ..... <i>For Up To 2, Add</i> <i>For &gt;2 To 6, Add</i> <i>For &gt;15 To 40, Deduct</i> <i>For &gt;40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	16.14 4.45 2.53 -0.50 -1.51 4.42 6.03 24.12 27.64	4.57



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0011	SF		0.225" Thick Wire, 2" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels.....	18.49	5.07
			For Up To 2, Add	5.05	
			For >2 To 6, Add	2.86	
			For >15 To 40, Deduct	-0.59	
			For >40, Deduct	-1.76	
			For Galvanized, Add	5.17	
			For Aluminum, Add	7.04	
			For 304 Stainless Steel, Add	28.18	
			For 316 Stainless Steel, Add	32.29	
<b>05 59 69 00-0012</b>			<b>1-3/4" Square Wire Spacing</b> (05 59 69 00-0002)		
05 59 69 00-0013	SF		0.12" Thick Wire, 1-3/4" Spacing, 0.49 LB/SF Woven And Welded Wire Cloth Panels .....	9.84	2.93
			For Up To 2, Add	2.75	
			For >2 To 6, Add	1.57	
			For >15 To 40, Deduct	-0.30	
			For >40, Deduct	-0.89	
			For Galvanized, Add	2.61	
			For Aluminum, Add	3.56	
			For 304 Stainless Steel, Add	14.26	
			For 316 Stainless Steel, Add	16.34	
05 59 69 00-0014	SF		0.135" Thick Wire, 1-3/4" Spacing, 0.62 LB/SF Woven And Welded Wire Cloth Panels .....	10.84	3.08
			For Up To 2, Add	2.99	
			For >2 To 6, Add	1.70	
			For >15 To 40, Deduct	-0.34	
			For >40, Deduct	-1.01	
			For Galvanized, Add	2.96	
			For Aluminum, Add	4.03	
			For 304 Stainless Steel, Add	16.13	
			For 316 Stainless Steel, Add	18.48	
05 59 69 00-0015	SF		0.148" Thick Wire, 1-3/4" Spacing, 0.74 LB/SF Woven And Welded Wire Cloth Panels .....	11.64	3.46
			For Up To 2, Add	3.25	
			For >2 To 6, Add	1.86	
			For >15 To 40, Deduct	-0.35	
			For >40, Deduct	-1.05	
			For Galvanized, Add	3.09	
			For Aluminum, Add	4.21	
			For 304 Stainless Steel, Add	16.85	
			For 316 Stainless Steel, Add	19.31	
05 59 69 00-0016	SF		0.162" Thick Wire, 1-3/4" Spacing, 0.88 LB/SF Woven And Welded Wire Cloth Panels .....	12.16	3.57
			For Up To 2, Add	3.38	
			For >2 To 6, Add	1.93	
			For >15 To 40, Deduct	-0.37	
			For >40, Deduct	-1.11	
			For Galvanized, Add	3.26	
			For Aluminum, Add	4.44	
			For 304 Stainless Steel, Add	17.76	
			For 316 Stainless Steel, Add	20.35	
05 59 69 00-0017	SF		0.177" Thick Wire, 1-3/4" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels .....	13.30	4.00
			For Up To 2, Add	3.73	
			For >2 To 6, Add	2.13	
			For >15 To 40, Deduct	-0.40	
			For >40, Deduct	-1.19	
			For Galvanized, Add	3.50	
			For Aluminum, Add	4.78	
			For 304 Stainless Steel, Add	19.10	
			For 316 Stainless Steel, Add	21.89	
05 59 69 00-0018	SF		0.192" Thick Wire, 1-3/4" Spacing, 1.22 LB/SF Woven And Welded Wire Cloth Panels .....	15.30	4.48
			For Up To 2, Add	4.25	
			For >2 To 6, Add	2.42	
			For >15 To 40, Deduct	-0.47	
			For >40, Deduct	-1.40	
			For Galvanized, Add	4.11	
			For Aluminum, Add	5.60	
			For 304 Stainless Steel, Add	22.42	
			For 316 Stainless Steel, Add	25.69	
05 59 69 00-0019	SF		0.207" Thick Wire, 1-3/4" Spacing, 1.41 LB/SF Woven And Welded Wire Cloth Panels .....	17.34	4.91
			For Up To 2, Add	4.78	
			For >2 To 6, Add	2.72	
			For >15 To 40, Deduct	-0.54	
			For >40, Deduct	-1.62	
			For Galvanized, Add	4.75	
			For Aluminum, Add	6.48	
			For 304 Stainless Steel, Add	25.92	
			For 316 Stainless Steel, Add	29.70	
05 59 69 00-0020	SF		0.225" Thick Wire, 1-3/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels .....	19.91	5.45
			For Up To 2, Add	5.44	
			For >2 To 6, Add	3.08	
			For >15 To 40, Deduct	-0.63	
			For >40, Deduct	-1.89	
			For Galvanized, Add	5.56	
			For Aluminum, Add	7.58	
			For 304 Stainless Steel, Add	30.31	
			For 316 Stainless Steel, Add	34.73	





<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>05 59 69 00-0021 1-1/2" Square Wire Spacing</b> <small>(05 59 69 00-0002)</small>		
05 59 69 00-0022 SF 0.12" Thick Wire, 1-1/2" Spacing, 0.57 LB/SF Woven And Welded Wire Cloth Panels .....	10.90	3.25
For Up To 2, Add	3.04	
For >2 To 6, Add	1.74	
For >15 To 40, Deduct	-0.33	
For >40, Deduct	-0.99	
For Galvanized, Add	2.90	
For Aluminum, Add	3.95	
For 304 Stainless Steel, Add	15.79	
For 316 Stainless Steel, Add	18.10	
05 59 69 00-0023 SF 0.135" Thick Wire, 1-1/2" Spacing, 0.72 LB/SF Woven And Welded Wire Cloth Panels .....	12.00	3.42
For Up To 2, Add	3.31	
For >2 To 6, Add	1.88	
For >15 To 40, Deduct	-0.37	
For >40, Deduct	-1.12	
For Galvanized, Add	3.27	
For Aluminum, Add	4.46	
For 304 Stainless Steel, Add	17.86	
For 316 Stainless Steel, Add	20.46	
05 59 69 00-0024 SF 0.148" Thick Wire, 1-1/2" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels .....	12.73	3.79
For Up To 2, Add	3.56	
For >2 To 6, Add	2.03	
For >15 To 40, Deduct	-0.38	
For >40, Deduct	-1.15	
For Galvanized, Add	3.38	
For Aluminum, Add	4.61	
For 304 Stainless Steel, Add	18.43	
For 316 Stainless Steel, Add	21.12	
05 59 69 00-0025 SF 0.162" Thick Wire, 1-1/2" Spacing, 1.02 LB/SF Woven And Welded Wire Cloth Panels .....	13.43	3.94
For Up To 2, Add	3.74	
For >2 To 6, Add	2.13	
For >15 To 40, Deduct	-0.41	
For >40, Deduct	-1.23	
For Galvanized, Add	3.59	
For Aluminum, Add	4.90	
For 304 Stainless Steel, Add	19.61	
For 316 Stainless Steel, Add	22.47	
05 59 69 00-0026 SF 0.177" Thick Wire, 1-1/2" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels .....	14.63	4.40
For Up To 2, Add	4.10	
For >2 To 6, Add	2.35	
For >15 To 40, Deduct	-0.44	
For >40, Deduct	-1.31	
For Galvanized, Add	3.85	
For Aluminum, Add	5.25	
For 304 Stainless Steel, Add	21.00	
For 316 Stainless Steel, Add	24.06	
05 59 69 00-0027 SF 0.192" Thick Wire, 1-1/2" Spacing, 1.4 LB/SF Woven And Welded Wire Cloth Panels .....	16.72	4.89
For Up To 2, Add	4.65	
For >2 To 6, Add	2.65	
For >15 To 40, Deduct	-0.51	
For >40, Deduct	-1.53	
For Galvanized, Add	4.49	
For Aluminum, Add	6.13	
For 304 Stainless Steel, Add	24.50	
For 316 Stainless Steel, Add	28.08	
05 59 69 00-0028 SF 0.207" Thick Wire, 1-1/2" Spacing, 1.62 LB/SF Woven And Welded Wire Cloth Panels .....	18.96	5.37
For Up To 2, Add	5.22	
For >2 To 6, Add	2.97	
For >15 To 40, Deduct	-0.59	
For >40, Deduct	-1.77	
For Galvanized, Add	5.20	
For Aluminum, Add	7.09	
For 304 Stainless Steel, Add	28.34	
For 316 Stainless Steel, Add	32.48	
05 59 69 00-0029 SF 0.225" Thick Wire, 1-1/2" Spacing, 1.89 LB/SF Woven And Welded Wire Cloth Panels .....	21.70	5.95
For Up To 2, Add	5.92	
For >2 To 6, Add	3.36	
For >15 To 40, Deduct	-0.69	
For >40, Deduct	-2.07	
For Galvanized, Add	6.06	
For Aluminum, Add	8.27	
For 304 Stainless Steel, Add	33.07	
For 316 Stainless Steel, Add	37.90	
<b>05 59 69 00-0030 1-1/4" Square Wire Spacing</b> <small>(05 59 69 00-0002)</small>		
05 59 69 00-0031 SF 0.105" Thick Wire, 1-1/4" Spacing, 0.52 LB/SF Woven And Welded Wire Cloth Panels .....	11.13	3.51
For Up To 2, Add	3.16	
For >2 To 6, Add	1.82	
For >15 To 40, Deduct	-0.32	
For >40, Deduct	-0.97	
For Galvanized, Add	2.83	
For Aluminum, Add	3.86	
For 304 Stainless Steel, Add	15.46	
For 316 Stainless Steel, Add	17.71	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0032	SF		0.12" Thick Wire, 1-1/4" Spacing, 0.68 LB/SF Woven And Welded Wire Cloth Panels .....	12.05	3.69
			<i>For Up To 2, Add</i>	3.39	
			<i>For &gt;2 To 6, Add</i>	1.94	
			<i>For &gt;15 To 40, Deduct</i>	-0.36	
			<i>For &gt;40, Deduct</i>	-1.07	
			<i>For Galvanized, Add</i>	3.14	
			<i>For Aluminum, Add</i>	4.28	
			<i>For 304 Stainless Steel, Add</i>	17.11	
			<i>For 316 Stainless Steel, Add</i>	19.61	
05 59 69 00-0033	SF		0.135" Thick Wire, 1-1/4" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels .....	13.10	3.84
			<i>For Up To 2, Add</i>	3.64	
			<i>For &gt;2 To 6, Add</i>	2.08	
			<i>For &gt;15 To 40, Deduct</i>	-0.40	
			<i>For &gt;40, Deduct</i>	-1.20	
			<i>For Galvanized, Add</i>	3.51	
			<i>For Aluminum, Add</i>	4.79	
			<i>For 304 Stainless Steel, Add</i>	19.15	
			<i>For 316 Stainless Steel, Add</i>	21.95	
05 59 69 00-0034	SF		0.148" Thick Wire, 1-1/4" Spacing, 1.01 LB/SF Woven And Welded Wire Cloth Panels .....	13.51	3.91
			<i>For Up To 2, Add</i>	3.74	
			<i>For &gt;2 To 6, Add</i>	2.13	
			<i>For &gt;15 To 40, Deduct</i>	-0.42	
			<i>For &gt;40, Deduct</i>	-1.25	
			<i>For Galvanized, Add</i>	3.65	
			<i>For Aluminum, Add</i>	4.98	
			<i>For 304 Stainless Steel, Add</i>	19.92	
			<i>For 316 Stainless Steel, Add</i>	22.83	
05 59 69 00-0035	SF		0.162" Thick Wire, 1-1/4" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels .....	14.63	4.41
			<i>For Up To 2, Add</i>	4.10	
			<i>For &gt;2 To 6, Add</i>	2.35	
			<i>For &gt;15 To 40, Deduct</i>	-0.44	
			<i>For &gt;40, Deduct</i>	-1.31	
			<i>For Galvanized, Add</i>	3.85	
			<i>For Aluminum, Add</i>	5.24	
			<i>For 304 Stainless Steel, Add</i>	20.98	
			<i>For 316 Stainless Steel, Add</i>	24.04	
05 59 69 00-0036	SF		0.177" Thick Wire, 1-1/4" Spacing, 1.42 LB/SF Woven And Welded Wire Cloth Panels .....	16.48	4.97
			<i>For Up To 2, Add</i>	4.62	
			<i>For &gt;2 To 6, Add</i>	2.64	
			<i>For &gt;15 To 40, Deduct</i>	-0.49	
			<i>For &gt;40, Deduct</i>	-1.48	
			<i>For Galvanized, Add</i>	4.34	
			<i>For Aluminum, Add</i>	5.92	
			<i>For 304 Stainless Steel, Add</i>	23.66	
			<i>For 316 Stainless Steel, Add</i>	27.12	
05 59 69 00-0037	SF		0.192" Thick Wire, 1-1/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels .....	18.77	5.48
			<i>For Up To 2, Add</i>	5.22	
			<i>For &gt;2 To 6, Add</i>	2.97	
			<i>For &gt;15 To 40, Deduct</i>	-0.57	
			<i>For &gt;40, Deduct</i>	-1.72	
			<i>For Galvanized, Add</i>	5.04	
			<i>For Aluminum, Add</i>	6.88	
			<i>For 304 Stainless Steel, Add</i>	27.50	
			<i>For 316 Stainless Steel, Add</i>	31.52	
05 59 69 00-0038	SF		0.207" Thick Wire, 1-1/4" Spacing, 1.9 LB/SF Woven And Welded Wire Cloth Panels .....	21.19	5.99
			<i>For Up To 2, Add</i>	5.84	
			<i>For &gt;2 To 6, Add</i>	3.32	
			<i>For &gt;15 To 40, Deduct</i>	-0.66	
			<i>For &gt;40, Deduct</i>	-1.98	
			<i>For Galvanized, Add</i>	5.81	
			<i>For Aluminum, Add</i>	7.92	
			<i>For 304 Stainless Steel, Add</i>	31.68	
			<i>For 316 Stainless Steel, Add</i>	36.30	
05 59 69 00-0039	SF		0.225" Thick Wire, 1-1/4" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels .....	24.29	6.65
			<i>For Up To 2, Add</i>	6.63	
			<i>For &gt;2 To 6, Add</i>	3.76	
			<i>For &gt;15 To 40, Deduct</i>	-0.77	
			<i>For &gt;40, Deduct</i>	-2.31	
			<i>For Galvanized, Add</i>	6.78	
			<i>For Aluminum, Add</i>	9.25	
			<i>For 304 Stainless Steel, Add</i>	37.01	
			<i>For 316 Stainless Steel, Add</i>	42.41	
<b>05 59 69 00-0040</b>			<b>1" Square Wire Spacing</b> <small>(05 59 69 00-0002)</small>		
05 59 69 00-0041	SF		0.105" Thick Wire, 1" Spacing, 0.64 LB/SF Woven And Welded Wire Cloth Panels .....	12.69	4.12
			<i>For Up To 2, Add</i>	3.63	
			<i>For &gt;2 To 6, Add</i>	2.09	
			<i>For &gt;15 To 40, Deduct</i>	-0.36	
			<i>For &gt;40, Deduct</i>	-1.08	
			<i>For Galvanized, Add</i>	3.17	
			<i>For Aluminum, Add</i>	4.33	
			<i>For 304 Stainless Steel, Add</i>	17.30	
			<i>For 316 Stainless Steel, Add</i>	19.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0042 SF 0.12" Thick Wire, 1" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels .....	13.63	4.28
For Up To 2, Add	3.87	
For >2 To 6, Add	2.22	
For >15 To 40, Deduct	-0.40	
For >40, Deduct	-1.19	
For Galvanized, Add	3.48	
For Aluminum, Add	4.75	
For 304 Stainless Steel, Add	19.01	
For 316 Stainless Steel, Add	21.78	
05 59 69 00-0043 SF 0.135" Thick Wire, 1" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels .....	14.19	4.48
For Up To 2, Add	4.03	
For >2 To 6, Add	2.31	
For >15 To 40, Deduct	-0.41	
For >40, Deduct	-1.23	
For Galvanized, Add	3.62	
For Aluminum, Add	4.93	
For 304 Stainless Steel, Add	19.73	
For 316 Stainless Steel, Add	22.61	
05 59 69 00-0044 SF 0.148" Thick Wire, 1" Spacing, 1.23 LB/SF Woven And Welded Wire Cloth Panels .....	15.25	4.54
For Up To 2, Add	4.26	
For >2 To 6, Add	2.43	
For >15 To 40, Deduct	-0.46	
For >40, Deduct	-1.38	
For Galvanized, Add	4.04	
For Aluminum, Add	5.51	
For 304 Stainless Steel, Add	22.06	
For 316 Stainless Steel, Add	25.27	
05 59 69 00-0045 SF 0.162" Thick Wire, 1" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels .....	16.94	5.11
For Up To 2, Add	4.75	
For >2 To 6, Add	2.72	
For >15 To 40, Deduct	-0.51	
For >40, Deduct	-1.52	
For Galvanized, Add	4.45	
For Aluminum, Add	6.07	
For 304 Stainless Steel, Add	24.29	
For 316 Stainless Steel, Add	27.83	
05 59 69 00-0046 SF 0.177" Thick Wire, 1" Spacing, 1.72 LB/SF Woven And Welded Wire Cloth Panels .....	19.02	5.73
For Up To 2, Add	5.33	
For >2 To 6, Add	3.05	
For >15 To 40, Deduct	-0.57	
For >40, Deduct	-1.71	
For Galvanized, Add	5.01	
For Aluminum, Add	6.83	
For 304 Stainless Steel, Add	27.31	
For 316 Stainless Steel, Add	31.30	
05 59 69 00-0047 SF 0.192" Thick Wire, 1" Spacing, 2.01 LB/SF Woven And Welded Wire Cloth Panels .....	21.77	6.35
For Up To 2, Add	6.05	
For >2 To 6, Add	3.45	
For >15 To 40, Deduct	-0.66	
For >40, Deduct	-1.99	
For Galvanized, Add	5.85	
For Aluminum, Add	7.97	
For 304 Stainless Steel, Add	31.90	
For 316 Stainless Steel, Add	36.55	
05 59 69 00-0048 SF 0.207" Thick Wire, 1" Spacing, 2.31 LB/SF Woven And Welded Wire Cloth Panels .....	24.53	6.94
For Up To 2, Add	6.76	
For >2 To 6, Add	3.84	
For >15 To 40, Deduct	-0.76	
For >40, Deduct	-2.29	
For Galvanized, Add	6.72	
For Aluminum, Add	9.17	
For 304 Stainless Steel, Add	36.67	
For 316 Stainless Steel, Add	42.02	
05 59 69 00-0049 SF 0.225" Thick Wire, 1" Spacing, 2.69 LB/SF Woven And Welded Wire Cloth Panels .....	28.02	7.68
For Up To 2, Add	7.65	
For >2 To 6, Add	4.34	
For >15 To 40, Deduct	-0.89	
For >40, Deduct	-2.67	
For Galvanized, Add	7.83	
For Aluminum, Add	10.67	
For 304 Stainless Steel, Add	42.70	
For 316 Stainless Steel, Add	48.92	
<b>05 59 69 00-0050 3/4" Square Wire Spacing (05 59 69 00-0002)</b>		
05 59 69 00-0051 SF 0.105" Thick Wire, 3/4" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels .....	12.86	4.11
For Up To 2, Add	3.67	
For >2 To 6, Add	2.11	
For >15 To 40, Deduct	-0.37	
For >40, Deduct	-1.11	
For Galvanized, Add	3.25	
For Aluminum, Add	4.43	
For 304 Stainless Steel, Add	17.74	
For 316 Stainless Steel, Add	20.32	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

05 59 69 00-0052	SF 0.12" Thick Wire, 3/4" Spacing, 1.07 LB/SF Woven And Welded Wire Cloth Panels.....	14.36	4.61
	For Up To 2, Add	4.10	
	For >2 To 6, Add	2.36	
	For >15 To 40, Deduct	-0.41	
	For >40, Deduct	-1.23	
	For Galvanized, Add	3.62	
	For Aluminum, Add	4.93	
	For 304 Stainless Steel, Add	19.73	
	For 316 Stainless Steel, Add	22.61	
05 59 69 00-0053	SF 0.135" Thick Wire, 3/4" Spacing, 1.33 LB/SF Woven And Welded Wire Cloth Panels.....	15.87	5.20
	For Up To 2, Add	4.56	
	For >2 To 6, Add	2.63	
	For >15 To 40, Deduct	-0.45	
	For >40, Deduct	-1.34	
	For Galvanized, Add	3.93	
	For Aluminum, Add	5.36	
	For 304 Stainless Steel, Add	21.46	
	For 316 Stainless Steel, Add	24.59	
05 59 69 00-0054	SF 0.148" Thick Wire, 3/4" Spacing, 1.58 LB/SF Woven And Welded Wire Cloth Panels.....	17.18	5.54
	For Up To 2, Add	4.92	
	For >2 To 6, Add	2.83	
	For >15 To 40, Deduct	-0.49	
	For >40, Deduct	-1.47	
	For Galvanized, Add	4.30	
	For Aluminum, Add	5.87	
	For 304 Stainless Steel, Add	23.47	
	For 316 Stainless Steel, Add	26.90	
05 59 69 00-0055	SF 0.162" Thick Wire, 3/4" Spacing, 1.87 LB/SF Woven And Welded Wire Cloth Panels.....	19.89	6.24
	For Up To 2, Add	5.64	
	For >2 To 6, Add	3.24	
	For >15 To 40, Deduct	-0.58	
	For >40, Deduct	-1.74	
	For Galvanized, Add	5.09	
	For Aluminum, Add	6.94	
	For 304 Stainless Steel, Add	27.77	
	For 316 Stainless Steel, Add	31.82	
05 59 69 00-0056	SF 0.177" Thick Wire, 3/4" Spacing, 2.2 LB/SF Woven And Welded Wire Cloth Panels.....	22.91	6.98
	For Up To 2, Add	6.44	
	For >2 To 6, Add	3.69	
	For >15 To 40, Deduct	-0.68	
	For >40, Deduct	-2.04	
	For Galvanized, Add	5.99	
	For Aluminum, Add	8.17	
	For 304 Stainless Steel, Add	32.66	
	For 316 Stainless Steel, Add	37.43	
05 59 69 00-0057	SF 0.192" Thick Wire, 3/4" Spacing, 2.56 LB/SF Woven And Welded Wire Cloth Panels.....	26.13	7.71
	For Up To 2, Add	7.28	
	For >2 To 6, Add	4.16	
	For >15 To 40, Deduct	-0.79	
	For >40, Deduct	-2.38	
	For Galvanized, Add	6.97	
	For Aluminum, Add	9.50	
	For 304 Stainless Steel, Add	38.02	
	For 316 Stainless Steel, Add	43.56	
05 59 69 00-0058	SF 0.207" Thick Wire, 3/4" Spacing, 2.93 LB/SF Woven And Welded Wire Cloth Panels.....	29.31	8.39
	For Up To 2, Add	8.10	
	For >2 To 6, Add	4.61	
	For >15 To 40, Deduct	-0.91	
	For >40, Deduct	-2.72	
	For Galvanized, Add	7.98	
	For Aluminum, Add	10.88	
	For 304 Stainless Steel, Add	43.51	
	For 316 Stainless Steel, Add	49.86	
05 59 69 00-0059	SF 0.225" Thick Wire, 3/4" Spacing, 3.41 LB/SF Woven And Welded Wire Cloth Panels.....	33.46	9.27
	For Up To 2, Add	9.16	
	For >2 To 6, Add	5.20	
	For >15 To 40, Deduct	-1.06	
	For >40, Deduct	-3.17	
	For Galvanized, Add	9.28	
	For Aluminum, Add	12.66	
	For 304 Stainless Steel, Add	50.64	
	For 316 Stainless Steel, Add	58.03	
<b>05 59 69 00-0060</b>	<b>1/2" Square Wire Spacing</b> <small>(05 59 69 00-0002)</small>		
05 59 69 00-0061	SF 0.105" Thick Wire, 1/2" Spacing, 1.18 LB/SF Woven And Welded Wire Cloth Panels.....	13.41	4.39
	For Up To 2, Add	3.85	
	For >2 To 6, Add	2.22	
	For >15 To 40, Deduct	-0.38	
	For >40, Deduct	-1.13	
	For Galvanized, Add	3.32	
	For Aluminum, Add	4.53	
	For 304 Stainless Steel, Add	18.12	
	For 316 Stainless Steel, Add	20.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0062 SF 0.12" Thick Wire, 1/2" Spacing, 1.51 LB/SF Woven And Welded Wire Cloth Panels .....	15.67	5.34
For Up To 2, Add	4.56	
For >2 To 6, Add	2.64	
For >15 To 40, Deduct	-0.43	
For >40, Deduct	-1.28	
For Galvanized, Add	3.76	
For Aluminum, Add	5.12	
For 304 Stainless Steel, Add	20.50	
For 316 Stainless Steel, Add	23.49	
05 59 69 00-0063 SF 0.135" Thick Wire, 1/2" Spacing, 1.88 LB/SF Woven And Welded Wire Cloth Panels .....	18.96	6.32
For Up To 2, Add	5.48	
For >2 To 6, Add	3.16	
For >15 To 40, Deduct	-0.53	
For >40, Deduct	-1.58	
For Galvanized, Add	4.63	
For Aluminum, Add	6.32	
For 304 Stainless Steel, Add	25.27	
For 316 Stainless Steel, Add	28.96	
05 59 69 00-0064 SF 0.148" Thick Wire, 1/2" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels .....	21.88	7.09
For Up To 2, Add	6.27	
For >2 To 6, Add	3.61	
For >15 To 40, Deduct	-0.62	
For >40, Deduct	-1.86	
For Galvanized, Add	5.47	
For Aluminum, Add	7.46	
For 304 Stainless Steel, Add	29.83	
For 316 Stainless Steel, Add	34.18	
05 59 69 00-0065 SF 0.162" Thick Wire, 1/2" Spacing, 2.61 LB/SF Woven And Welded Wire Cloth Panels .....	25.17	7.91
For Up To 2, Add	7.14	
For >2 To 6, Add	4.10	
For >15 To 40, Deduct	-0.73	
For >40, Deduct	-2.19	
For Galvanized, Add	6.43	
For Aluminum, Add	8.77	
For 304 Stainless Steel, Add	35.09	
For 316 Stainless Steel, Add	40.21	
05 59 69 00-0066 SF 0.177" Thick Wire, 1/2" Spacing, 3.06 LB/SF Woven And Welded Wire Cloth Panels .....	28.90	8.82
For Up To 2, Add	8.13	
For >2 To 6, Add	4.65	
For >15 To 40, Deduct	-0.86	
For >40, Deduct	-2.57	
For Galvanized, Add	7.54	
For Aluminum, Add	10.28	
For 304 Stainless Steel, Add	41.14	
For 316 Stainless Steel, Add	47.14	
05 59 69 00-0067 SF 0.192" Thick Wire, 1/2" Spacing, 3.54 LB/SF Woven And Welded Wire Cloth Panels .....	32.75	9.70
For Up To 2, Add	9.13	
For >2 To 6, Add	5.21	
For >15 To 40, Deduct	-0.99	
For >40, Deduct	-2.97	
For Galvanized, Add	8.73	
For Aluminum, Add	11.90	
For 304 Stainless Steel, Add	47.59	
For 316 Stainless Steel, Add	54.53	
05 59 69 00-0068 SF 0.207" Thick Wire, 1/2" Spacing, 4.04 LB/SF Woven And Welded Wire Cloth Panels .....	36.64	10.51
For Up To 2, Add	10.13	
For >2 To 6, Add	5.77	
For >15 To 40, Deduct	-1.13	
For >40, Deduct	-3.39	
For Galvanized, Add	9.96	
For Aluminum, Add	13.58	
For 304 Stainless Steel, Add	54.31	
For 316 Stainless Steel, Add	62.23	
05 59 69 00-0069 SF 0.225" Thick Wire, 1/2" Spacing, 4.68 LB/SF Woven And Welded Wire Cloth Panels .....	38.05	11.57
For Up To 2, Add	10.69	
For >2 To 6, Add	6.12	
For >15 To 40, Deduct	-1.13	
For >40, Deduct	-3.39	
For Galvanized, Add	9.96	
For Aluminum, Add	13.58	
For 304 Stainless Steel, Add	54.31	
For 316 Stainless Steel, Add	62.23	
<b>05 59 69 00-0070 Expanded Metal Panels <small>(05 59 69)</small></b>		
Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.		
<b>05 59 69 00-0071 Plain Flattened Expanded Metal Diamond Shape Panels <small>(05 59 69 00-0070)</small></b>		
Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.		
05 59 69 00-0072 SF 1/4" #20-F Plain Expanded Metal Panel, 0.82 LB/SF .....	10.81	3.79
For Galvanized, Add	2.53	
For Aluminum, Add	3.46	
For 304 Stainless Steel, Add	13.82	
For 316 Stainless Steel, Add	15.84	

<b>05</b>	<b>Metals</b>
<b>05 50</b>	<b>Metal Fabrications</b>
<b>05 59</b>	<b>Metal Specialties</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0073	SF		1/4" #18-F Plain Expanded Metal Panel, 1.08 LB/SF .....	13.67	4.15
			<i>For Galvanized, Add</i>	3.58	
			<i>For Aluminum, Add</i>	4.88	
			<i>For 304 Stainless Steel, Add</i>	19.54	
			<i>For 316 Stainless Steel, Add</i>	22.39	
05 59 69 00-0074	SF		1/2" #20-F Plain Expanded Metal Panel, 0.40 LB/SF .....	7.76	2.93
			<i>For Galvanized, Add</i>	1.70	
			<i>For Aluminum, Add</i>	2.32	
			<i>For 304 Stainless Steel, Add</i>	9.26	
			<i>For 316 Stainless Steel, Add</i>	10.62	
05 59 69 00-0075	SF		1/2" #18-F Plain Expanded Metal Panel, 0.66 LB/SF .....	8.48	3.19
			<i>For Galvanized, Add</i>	1.86	
			<i>For Aluminum, Add</i>	2.54	
			<i>For 304 Stainless Steel, Add</i>	10.15	
			<i>For 316 Stainless Steel, Add</i>	11.63	
05 59 69 00-0076	SF		1/2" #16-F Plain Expanded Metal Panel, 0.82 LB/SF .....	9.57	3.79
			<i>For Galvanized, Add</i>	1.99	
			<i>For Aluminum, Add</i>	2.71	
			<i>For 304 Stainless Steel, Add</i>	10.85	
			<i>For 316 Stainless Steel, Add</i>	12.43	
05 59 69 00-0077	SF		1/2" #13-F Plain Expanded Metal Panel, 1.4 LB/SF .....	12.25	4.89
			<i>For Galvanized, Add</i>	2.53	
			<i>For Aluminum, Add</i>	3.44	
			<i>For 304 Stainless Steel, Add</i>	13.78	
			<i>For 316 Stainless Steel, Add</i>	15.79	
05 59 69 00-0078	SF		3/4" #16-F Plain Expanded Metal Panel, 0.51 LB/SF .....	6.73	2.87
			<i>For Galvanized, Add</i>	1.27	
			<i>For Aluminum, Add</i>	1.73	
			<i>For 304 Stainless Steel, Add</i>	6.94	
			<i>For 316 Stainless Steel, Add</i>	7.95	
05 59 69 00-0079	SF		3/4" #14-F Plain Expanded Metal Panel, 0.63 LB/SF .....	7.56	3.08
			<i>For Galvanized, Add</i>	1.51	
			<i>For Aluminum, Add</i>	2.06	
			<i>For 304 Stainless Steel, Add</i>	8.26	
			<i>For 316 Stainless Steel, Add</i>	9.46	
05 59 69 00-0080	SF		3/4" #13-F Plain Expanded Metal Panel, 0.75 LB/SF .....	8.64	3.46
			<i>For Galvanized, Add</i>	1.77	
			<i>For Aluminum, Add</i>	2.41	
			<i>For 304 Stainless Steel, Add</i>	9.65	
			<i>For 316 Stainless Steel, Add</i>	11.06	
05 59 69 00-0081	SF		3/4" #9-F Plain Expanded Metal Panel, 1.50 LB/SF .....	13.58	5.73
			<i>For Galvanized, Add</i>	2.61	
			<i>For Aluminum, Add</i>	3.56	
			<i>For 304 Stainless Steel, Add</i>	14.26	
			<i>For 316 Stainless Steel, Add</i>	16.34	
05 59 69 00-0082	SF		1" #16-F Plain Expanded Metal Panel, 0.41 LB/SF .....	7.48	3.51
			<i>For Galvanized, Add</i>	1.23	
			<i>For Aluminum, Add</i>	1.67	
			<i>For 304 Stainless Steel, Add</i>	6.70	
			<i>For 316 Stainless Steel, Add</i>	7.67	
05 59 69 00-0083	SF		1-1/2" #16-F Plain Expanded Metal Panel, 0.38 LB/SF .....	6.50	2.76
			<i>For Galvanized, Add</i>	1.24	
			<i>For Aluminum, Add</i>	1.69	
			<i>For 304 Stainless Steel, Add</i>	6.74	
			<i>For 316 Stainless Steel, Add</i>	7.73	
05 59 69 00-0084	SF		1-1/2" #13-F Plain Expanded Metal Panel, 0.57 LB/SF .....	7.48	3.25
			<i>For Galvanized, Add</i>	1.39	
			<i>For Aluminum, Add</i>	1.90	
			<i>For 304 Stainless Steel, Add</i>	7.58	
			<i>For 316 Stainless Steel, Add</i>	8.69	
05 59 69 00-0085	SF		1-1/2" #9-F Plain Expanded Metal Panel, 1.14 LB/SF .....	11.69	4.39
			<i>For Galvanized, Add</i>	2.57	
			<i>For Aluminum, Add</i>	3.50	
			<i>For 304 Stainless Steel, Add</i>	13.99	
			<i>For 316 Stainless Steel, Add</i>	16.03	

## 05 70 Decorative Metal <sup>(05)</sup>

Note: Includes anchors and related accessories.

### 05 71 Decorative Metal Stairs <sup>(05 70)</sup>

#### 05 71 13 Fabricated Metal Spiral Stairs <sup>(05 71)</sup>

Note: Includes factory prime.

##### 05 71 13 00-0001 Spiral Stairs, Stock Units <sup>(05 71 13)</sup>

Note: Includes factory prime.

##### 05 71 13 00-0002 Steel Tread <sup>(05 71 13 00-0001)</sup>

05 71 13 00-0003	VLF		3'-6" Diameter, Spiral Steel Stair With Rails.....	425.04	50.37
			<i>For Galvanized, Add</i>	227.02	
05 71 13 00-0004	VLF		4' Diameter, Spiral Steel Stair With Rails.....	484.14	55.40
			<i>For Galvanized, Add</i>	261.34	
05 71 13 00-0005	VLF		4'-6" Diameter, Spiral Steel Stair With Rails.....	535.70	60.43
			<i>For Galvanized, Add</i>	290.37	



<b>Metals</b>	<b>05</b>	<b>05</b>
Decorative Metal	05 70	
Decorative Metal Stairs	05 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 71 13 00-0006 VLF 5' Diameter, Spiral Steel Stair With Rails..... <i>For Galvanized, Add</i>	574.04 310.17	65.48
<b>05 73 Decorative Metal Railings (05 70)</b>		
Note: Factory primed. Includes brackets.		
<b>05 73 23 Decorative Metal Railings (05 73)</b>		
<b>05 73 23 00-0001 Railings; Vertical Square Bars At 6" (05 73 23)</b>		
Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).		
05 73 23 00-0002 LF Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	72.29	11.08
<i>For Rake Or Angle Railings, Add</i>		
<i>For Curved Railings, Add</i>		
<i>For 4" On Center Standards, Add</i>		
<i>For 4-1/2" On Center Standards, Add</i>		
<i>For 5" On Center Standards, Add</i>		
<i>For 5-1/2" On Center Standards, Add</i>		
<i>For Each Field Bending Of Rails, Add</i>		
<i>For Galvanized, Add</i>		
05 73 23 00-0003 LF Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	168.92	15.11
<i>For Rake Or Angle Railings, Add</i>		
<i>For Curved Railings, Add</i>		
<i>For 4" On Center Standards, Add</i>		
<i>For 4-1/2" On Center Standards, Add</i>		
<i>For 5" On Center Standards, Add</i>		
<i>For 5-1/2" On Center Standards, Add</i>		
<i>For Each Field Bending Of Rails, Add</i>		
05 73 23 00-0004 LF Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	234.54	25.18
<i>For Rake Or Angle Railings, Add</i>		
<i>For Curved Railings, Add</i>		
<i>For 4" On Center Standards, Add</i>		
<i>For 4-1/2" On Center Standards, Add</i>		
<i>For 5" On Center Standards, Add</i>		
<i>For 5-1/2" On Center Standards, Add</i>		
<i>For Each Field Bending Of Rails, Add</i>		
05 73 23 00-0005 LF Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	229.06	20.14
<i>For Rake Or Angle Railings, Add</i>		
<i>For Curved Railings, Add</i>		
<i>For 4" On Center Standards, Add</i>		
<i>For 4-1/2" On Center Standards, Add</i>		
<i>For 5" On Center Standards, Add</i>		
<i>For 5-1/2" On Center Standards, Add</i>		
<i>For Each Field Bending Of Rails, Add</i>		
05 73 23 00-0006 LF Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	207.20	30.73
<i>For Rake Or Angle Railings, Add</i>		
<i>For Curved Railings, Add</i>		
<i>For 4" On Center Standards, Add</i>		
<i>For 4-1/2" On Center Standards, Add</i>		
<i>For 5" On Center Standards, Add</i>		
<i>For 5-1/2" On Center Standards, Add</i>		
<i>For Each Field Bending Of Rails, Add</i>		
<b>05 73 23 00-0007 Laminated Metal Or Wood Handrails With Metal Supports (05 73 23)</b>		
05 73 23 00-0008 LF 2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports.....	165.73	5.03
<i>For Rake Or Angle Railings, Add</i>		
<i>For Curved Railings, Add</i>		
<i>For 4" On Center Standards, Add</i>		
<i>For 4-1/2" On Center Standards, Add</i>		
<i>For 5" On Center Standards, Add</i>		
<i>For 5-1/2" On Center Standards, Add</i>		
<i>For Each Field Bending Of Rails, Add</i>		
<b>05 73 23 00-0009 Plain Handrails (05 73 23)</b>		
05 73 23 00-0010 LF 2" Brass Handrail.....	51.54	10.57
05 73 23 00-0011 EA 90 Degree Angle For 2" Brass Handrail.....	110.17	39.72
05 73 23 00-0012 EA End Cap For 2" Brass Handrail.....	49.88	19.91
05 73 23 00-0013 EA Brass Bracket And Joint For 2" Brass Handrail.....	83.21	39.72
05 73 23 00-0014 LF 2" Stainless Steel Handrail.....	56.58	13.20
<b>05 73 23 00-0015 Restoration Of Existing Metal Handrail And Railing (05 73 23)</b>		
Note: Task includes rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0365 for painting.		
05 73 23 00-0016 LF Refinish Metal Handrail.....	9.25	
05 73 23 00-0017 LF Refinish Wrought Iron Balustrade.....	9.20	
<b>05 73 23 00-0018 Remove/Reinstall Ornamental Railing (05 73 23)</b>		
05 73 23 00-0019 LF Removal And Reinstallation Of Ornamental Handrail And Pickets.....	92.67	

**05 Metals****05 70 Decorative Metal****05 75 Decorative Formed Metal**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**05 75 Decorative Formed Metal** (05 70)**05 75 00 00-0001 Metal Sheets, Installed On Walls** (05 75)

Note: Includes field fabrication (bending) where noted.

**05 75 00 00-0002 Copper Sheets, Installed On Walls** (05 75 00 00-0001)

Note: Includes field fabrication.

05 75 00 00-0003	SF 0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls .....	29.60	2.13
	For >16 To 200, Deduct	-1.64	
	For >200 To 500, Deduct	-3.28	
	For >500, Deduct	-4.76	
05 75 00 00-0004	SF 0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls .....	37.18	2.38
	For >16 To 200, Deduct	-2.04	
	For >200 To 500, Deduct	-4.07	
	For >500, Deduct	-5.93	
05 75 00 00-0005	SF 0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls .....	40.73	2.56
	For >16 To 200, Deduct	-2.23	
	For >200 To 500, Deduct	-4.46	
	For >500, Deduct	-6.49	
05 75 00 00-0006	SF 0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls .....	44.05	2.69
	For >16 To 200, Deduct	-2.40	
	For >200 To 500, Deduct	-4.81	
	For >500, Deduct	-7.01	
05 75 00 00-0007	SF 0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls .....	50.42	2.81
	For >16 To 200, Deduct	-2.73	
	For >200 To 500, Deduct	-5.47	
	For >500, Deduct	-7.99	
05 75 00 00-0008	SF 0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls .....	64.37	2.95
	For >16 To 200, Deduct	-3.44	
	For >200 To 500, Deduct	-6.88	
	For >500, Deduct	-10.10	
05 75 00 00-0009	SF 0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls .....	75.73	3.08
	For >16 To 200, Deduct	-4.02	
	For >200 To 500, Deduct	-8.03	
	For >500, Deduct	-11.82	
05 75 00 00-0010	SF 0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls .....	92.00	3.33
	For >16 To 200, Deduct	-4.85	
	For >200 To 500, Deduct	-9.70	
	For >500, Deduct	-14.30	
05 75 00 00-0011	SF 0.08" Thick Copper Sheet, Installed On Walls .....	113.41	3.59
	For >16 To 200, Deduct	-5.94	
	For >200 To 500, Deduct	-11.88	
	For >500, Deduct	-17.55	
05 75 00 00-0012	SF 0.125" Thick Copper Sheet, Installed On Walls .....	167.65	3.85
	For >16 To 200, Deduct	-8.67	
	For >200 To 500, Deduct	-17.34	
	For >500, Deduct	-25.72	

**05 75 00 00-0013 Stainless Steel Sheets, Installed On Walls** (05 75 00 00-0001)

Note: Includes field fabrication.

05 75 00 00-0014	SF 0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls .....	14.69	2.24
	For >16 To 200, Deduct	-0.90	
	For >200 To 500, Deduct	-1.80	
	For >500, Deduct	-2.54	
05 75 00 00-0015	SF 0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls .....	16.66	2.41
	For >16 To 200, Deduct	-1.01	
	For >200 To 500, Deduct	-2.03	
	For >500, Deduct	-2.86	
05 75 00 00-0016	SF 0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls .....	18.16	2.54
	For >16 To 200, Deduct	-1.10	
	For >200 To 500, Deduct	-2.20	
	For >500, Deduct	-3.10	
05 75 00 00-0017	SF 0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls .....	21.37	2.65
	For >16 To 200, Deduct	-1.27	
	For >200 To 500, Deduct	-2.54	
	For >500, Deduct	-3.60	
05 75 00 00-0018	SF 0.0625" Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls .....	24.48	2.77
	For >16 To 200, Deduct	-1.43	
	For >200 To 500, Deduct	-2.86	
	For >500, Deduct	-4.09	
05 75 00 00-0019	SF 0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls .....	28.42	2.89
	For >16 To 200, Deduct	-1.64	
	For >200 To 500, Deduct	-3.28	
	For >500, Deduct	-4.70	
05 75 00 00-0020	SF 0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls .....	41.13	3.38
	For >16 To 200, Deduct	-2.31	
	For >200 To 500, Deduct	-4.62	
	For >500, Deduct	-6.68	
05 75 00 00-0021	SF 3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls .....	55.93	3.58
	For >16 To 200, Deduct	-3.07	
	For >200 To 500, Deduct	-6.13	
	For >500, Deduct	-8.93	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0022 SF 1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	76.75	4.34
<i>For &gt;16 To 200, Deduct</i>	-4.16	
<i>For &gt;200 To 500, Deduct</i>	-8.33	
<i>For &gt;500, Deduct</i>	-12.16	
05 75 00 00-0023 SF 3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls.....	129.09	4.66
<i>For &gt;16 To 200, Deduct</i>	-6.80	
<i>For &gt;200 To 500, Deduct</i>	-13.61	
<i>For &gt;500, Deduct</i>	-20.06	
05 75 00 00-0024 SF 1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls.....	165.34	5.42
<i>For &gt;16 To 200, Deduct</i>	-8.67	
<i>For &gt;200 To 500, Deduct</i>	-17.35	
<i>For &gt;500, Deduct</i>	-25.62	
<b>05 75 00 00-0025 Aluminum Sheets, Installed On Walls</b> <small>(05 75 00 00-0001)</small>		
Note: Includes field fabrication.		
05 75 00 00-0026 SF 0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls.....	9.38	2.13
<i>For &gt;16 To 200, Deduct</i>	-0.63	
<i>For &gt;200 To 500, Deduct</i>	-1.26	
<i>For &gt;500, Deduct</i>	-1.73	
05 75 00 00-0027 SF 0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls.....	10.62	2.38
<i>For &gt;16 To 200, Deduct</i>	-0.71	
<i>For &gt;200 To 500, Deduct</i>	-1.42	
<i>For &gt;500, Deduct</i>	-1.95	
05 75 00 00-0028 SF 0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls.....	11.80	2.56
<i>For &gt;16 To 200, Deduct</i>	-0.78	
<i>For &gt;200 To 500, Deduct</i>	-1.56	
<i>For &gt;500, Deduct</i>	-2.15	
05 75 00 00-0029 SF 0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls.....	13.00	2.69
<i>For &gt;16 To 200, Deduct</i>	-0.85	
<i>For &gt;200 To 500, Deduct</i>	-1.70	
<i>For &gt;500, Deduct</i>	-2.35	
05 75 00 00-0030 SF 0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls.....	14.18	2.81
<i>For &gt;16 To 200, Deduct</i>	-0.92	
<i>For &gt;200 To 500, Deduct</i>	-1.84	
<i>For &gt;500, Deduct</i>	-2.55	
05 75 00 00-0031 SF 0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls.....	15.48	2.95
<i>For &gt;16 To 200, Deduct</i>	-1.00	
<i>For &gt;200 To 500, Deduct</i>	-1.99	
<i>For &gt;500, Deduct</i>	-2.76	
05 75 00 00-0032 SF 0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls.....	17.05	3.08
<i>For &gt;16 To 200, Deduct</i>	-1.08	
<i>For &gt;200 To 500, Deduct</i>	-2.17	
<i>For &gt;500, Deduct</i>	-3.02	
05 75 00 00-0033 SF 0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls.....	20.25	3.59
<i>For &gt;16 To 200, Deduct</i>	-1.28	
<i>For &gt;200 To 500, Deduct</i>	-2.56	
<i>For &gt;500, Deduct</i>	-3.58	
<b>05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls</b> <small>(05 75 00 00-0001)</small>		
Note: Includes field fabrication.		
05 75 00 00-0035 SF 0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	9.58	2.13
<i>For &gt;16 To 200, Deduct</i>	-0.64	
<i>For &gt;200 To 500, Deduct</i>	-1.28	
<i>For &gt;500, Deduct</i>	-1.76	
05 75 00 00-0036 SF 0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	10.61	2.38
<i>For &gt;16 To 200, Deduct</i>	-0.71	
<i>For &gt;200 To 500, Deduct</i>	-1.42	
<i>For &gt;500, Deduct</i>	-1.95	
05 75 00 00-0037 SF 0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	11.26	2.56
<i>For &gt;16 To 200, Deduct</i>	-0.76	
<i>For &gt;200 To 500, Deduct</i>	-1.51	
<i>For &gt;500, Deduct</i>	-2.07	
05 75 00 00-0038 SF 0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	11.98	2.69
<i>For &gt;16 To 200, Deduct</i>	-0.80	
<i>For &gt;200 To 500, Deduct</i>	-1.60	
<i>For &gt;500, Deduct</i>	-2.20	
05 75 00 00-0039 SF 0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	12.93	2.81
<i>For &gt;16 To 200, Deduct</i>	-0.86	
<i>For &gt;200 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.36	
05 75 00 00-0040 SF 0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	13.97	2.95
<i>For &gt;16 To 200, Deduct</i>	-0.92	
<i>For &gt;200 To 500, Deduct</i>	-1.84	
<i>For &gt;500, Deduct</i>	-2.54	
05 75 00 00-0041 SF 0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	15.66	3.08
<i>For &gt;16 To 200, Deduct</i>	-1.01	
<i>For &gt;200 To 500, Deduct</i>	-2.03	
<i>For &gt;500, Deduct</i>	-2.81	
05 75 00 00-0042 SF 0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	18.06	3.33
<i>For &gt;16 To 200, Deduct</i>	-1.15	
<i>For &gt;200 To 500, Deduct</i>	-2.31	
<i>For &gt;500, Deduct</i>	-3.21	

**05 Metals****05 70 Decorative Metal**

05 75 Decorative Formed Metal



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0043	SF		0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	20.81	3.85
			<i>For &gt;16 To 200, Deduct</i>	-1.33	
			<i>For &gt;200 To 500, Deduct</i>	-2.66	
			<i>For &gt;500, Deduct</i>	-3.70	
<b>05 75 00 00-0044</b>			<b>Galvanized Zinc-Plated Steel Sheets, Installed On Walls</b> <small>(05 75 00 00-0001)</small>		
			Note: Includes field fabrication.		
05 75 00 00-0045	SF		0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	11.63	2.02
			<i>For &gt;16 To 200, Deduct</i>	-0.78	
			<i>For &gt;200 To 500, Deduct</i>	-1.57	
			<i>For &gt;500, Deduct</i>	-2.15	
05 75 00 00-0046	SF		0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	13.42	2.29
			<i>For &gt;16 To 200, Deduct</i>	-0.90	
			<i>For &gt;200 To 500, Deduct</i>	-1.80	
			<i>For &gt;500, Deduct</i>	-2.47	
05 75 00 00-0047	SF		0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	15.20	2.54
			<i>For &gt;16 To 200, Deduct</i>	-1.01	
			<i>For &gt;200 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.79	
05 75 00 00-0048	SF		0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	16.76	2.75
			<i>For &gt;16 To 200, Deduct</i>	-1.11	
			<i>For &gt;200 To 500, Deduct</i>	-2.23	
			<i>For &gt;500, Deduct</i>	-3.06	

**END OF SECTION 05**



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 06 Wood, Plastics, and Composites

### 06 01 Maintenance of Wood, Plastics, and Composites <sup>(06)</sup>

#### 06 01 20 Maintenance of Finish Carpentry <sup>(06 01)</sup>

##### **06 01 20 91 Finish Carpentry Restoration** <sup>(06 01 20)</sup>

##### 06 01 20 91-0001 Wood Trim Repair <sup>(06 01 20 91)</sup>

06 01 20 91-0002	SF	Restoration Of Existing Decorative Woodwork.....	8.31
Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.			

#### 06 01 40 Maintenance of Architectural Woodwork <sup>(06 01)</sup>

##### **06 01 40 91 Architectural Woodwork Restoration** <sup>(06 01 40)</sup>

##### 06 01 40 91-0001 Cabinet Hardware Replacement <sup>(06 01 40 91)</sup>

06 01 40 91-0002	EA	Removal And Replacement Of Concealed, Full Or Half Overlay, Self Closing, Steel Cabinet Hinges .....	46.37
06 01 40 91-0003	EA	Removal And Replacement Of Semi Concealed, Brass Cabinet Hinges.....	38.19

### 06 05 Common Work Results for Wood, Plastics, and Composites <sup>(06)</sup>

#### 06 05 23 Wood, Plastic, and Composite Fastenings <sup>(06 05)</sup>

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

##### 06 05 23 00-0001 Threaded Anchor Bolts <sup>(06 05 23)</sup>

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA	1/2" Diameter x 4" Long, Threaded Anchor Bolt .....	12.34
		For >10 To 50, Deduct	-0.39
		For >50 To 100, Deduct	-0.89
		For >100 To 250, Deduct	-1.78
		For >250 To 500, Deduct	-3.07
		For >500, Deduct	-4.35
06 05 23 00-0003	EA	1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt .....	16.33
		For >10 To 50, Deduct	-0.42
		For >50 To 100, Deduct	-1.04
		For >100 To 250, Deduct	-2.07
		For >250 To 500, Deduct	-3.53
		For >500, Deduct	-4.99
06 05 23 00-0004	EA	3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt .....	17.90
		For >10 To 50, Deduct	-0.42
		For >50 To 100, Deduct	-1.08
		For >100 To 250, Deduct	-2.15
		For >250 To 500, Deduct	-3.65
		For >500, Deduct	-5.14
06 05 23 00-0005	EA	3/4" Diameter x 12" Long, Threaded Anchor Bolt .....	35.18
		For >10 To 50, Deduct	-0.57
		For >50 To 100, Deduct	-1.74
		For >100 To 250, Deduct	-3.48
		For >250 To 500, Deduct	-5.79
		For >500, Deduct	-8.11

##### 06 05 23 00-0006 Framing Anchors <sup>(06 05 23)</sup>

Note: Including nails.

06 05 23 00-0007	EA	1-7/16" x 2-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A34) .....	6.89		3.27
		For >10 To 50, Deduct	-0.31		
		For >50 To 100, Deduct	-0.64		
		For >100 To 250, Deduct	-1.28		
		For >250 To 500, Deduct	-2.23		
		For >500, Deduct	-3.18		
06 05 23 00-0008	EA	1-7/16" x 4-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A35) .....	7.70		3.59
		For >10 To 50, Deduct	-0.35		
		For >50 To 100, Deduct	-0.72		
		For >100 To 250, Deduct	-1.44		
		For >250 To 500, Deduct	-2.50		
		For >500, Deduct	-3.57		

##### 06 05 23 00-0009 Angle Anchors <sup>(06 05 23)</sup>

Note: Including nails.

06 05 23 00-0010	EA	2" x 1-1/2" x 1-3/8" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A21) .....	6.98		3.27
		For >10 To 50, Deduct	-0.31		
		For >50 To 100, Deduct	-0.64		
		For >100 To 250, Deduct	-1.28		
		For >250 To 500, Deduct	-2.23		
		For >500, Deduct	-3.19		

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0011	EA		2" x 1-1/2" x 2-3/4" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A23) .....	7.65	3.48
			<i>For &gt;10 To 50, Deduct</i>	-0.33	
			<i>For &gt;50 To 100, Deduct</i>	-0.69	
			<i>For &gt;100 To 250, Deduct</i>	-1.38	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-3.42	
06 05 23 00-0012	EA		3-7/8" x 2" x 2-1/2" Wide, 12 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A24) .....	13.13	3.59
			<i>For &gt;10 To 50, Deduct</i>	-0.35	
			<i>For &gt;50 To 100, Deduct</i>	-0.85	
			<i>For &gt;100 To 250, Deduct</i>	-1.71	
			<i>For &gt;250 To 500, Deduct</i>	-2.91	
			<i>For &gt;500, Deduct</i>	-4.11	
06 05 23 00-0013	EA		3" x 3" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A33) .....	11.83	3.59
			<i>For &gt;10 To 50, Deduct</i>	-0.35	
			<i>For &gt;50 To 100, Deduct</i>	-0.82	
			<i>For &gt;100 To 250, Deduct</i>	-1.64	
			<i>For &gt;250 To 500, Deduct</i>	-2.81	
			<i>For &gt;500, Deduct</i>	-3.98	
06 05 23 00-0014	EA		4-9/16" x 4-9/16" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A44) .....	12.93	4.03
			<i>For &gt;10 To 50, Deduct</i>	-0.39	
			<i>For &gt;50 To 100, Deduct</i>	-0.90	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-3.09	
			<i>For &gt;500, Deduct</i>	-4.38	
06 05 23 00-0015	EA		5-7/8" x 5-7/8" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A66) .....	14.66	4.25
			<i>For &gt;10 To 50, Deduct</i>	-0.41	
			<i>For &gt;50 To 100, Deduct</i>	-0.99	
			<i>For &gt;100 To 250, Deduct</i>	-1.98	
			<i>For &gt;250 To 500, Deduct</i>	-3.38	
			<i>For &gt;500, Deduct</i>	-4.78	
06 05 23 00-0016			<b>Reinforcing Angle Wood Construction Connectors</b> <small>(06 05 23)</small>		
			Note: Including nails.		
06 05 23 00-0017	EA		3" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L30).....	7.66	3.05
			<i>For &gt;10 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.66	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-2.29	
			<i>For &gt;500, Deduct</i>	-3.25	
06 05 23 00-0018	EA		5" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L50).....	9.46	3.27
			<i>For &gt;10 To 50, Deduct</i>	-0.33	
			<i>For &gt;50 To 100, Deduct</i>	-0.73	
			<i>For &gt;100 To 250, Deduct</i>	-1.46	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.59	
06 05 23 00-0019	EA		7" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L70).....	10.75	3.37
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.56	
			<i>For &gt;250 To 500, Deduct</i>	-2.68	
			<i>For &gt;500, Deduct</i>	-3.80	
06 05 23 00-0020	EA		9" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L90).....	11.93	3.48
			<i>For &gt;10 To 50, Deduct</i>	-0.36	
			<i>For &gt;50 To 100, Deduct</i>	-0.83	
			<i>For &gt;100 To 250, Deduct</i>	-1.67	
			<i>For &gt;250 To 500, Deduct</i>	-2.86	
			<i>For &gt;500, Deduct</i>	-4.05	
06 05 23 00-0021	EA		3-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS30).....	8.36	3.05
			<i>For &gt;10 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.68	
			<i>For &gt;100 To 250, Deduct</i>	-1.35	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-3.32	
06 05 23 00-0022	EA		4-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS50).....	9.22	3.27
			<i>For &gt;10 To 50, Deduct</i>	-0.33	
			<i>For &gt;50 To 100, Deduct</i>	-0.73	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-2.51	
			<i>For &gt;500, Deduct</i>	-3.56	
06 05 23 00-0023	EA		6-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS70).....	10.69	3.37
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.56	
			<i>For &gt;250 To 500, Deduct</i>	-2.67	
			<i>For &gt;500, Deduct</i>	-3.79	
06 05 23 00-0024	EA		7-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS90).....	12.67	3.48
			<i>For &gt;10 To 50, Deduct</i>	-0.36	
			<i>For &gt;50 To 100, Deduct</i>	-0.85	
			<i>For &gt;100 To 250, Deduct</i>	-1.71	
			<i>For &gt;250 To 500, Deduct</i>	-2.92	
			<i>For &gt;500, Deduct</i>	-4.13	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0025	<b>Hold Down Anchors</b> <small>(06 05 23)</small>			
		Note: Including nails.		
06 05 23 00-0026	EA 8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD3B) .....		55.24	
	For >10 To 50, Deduct		-1.69	
	For >50 To 100, Deduct		-3.91	
	For >100 To 250, Deduct		-7.83	
	For >250 To 500, Deduct		-13.43	
	For >500, Deduct		-19.03	
06 05 23 00-0027	EA 9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD5B) .....		77.06	
	For >10 To 50, Deduct		-1.74	
	For >50 To 100, Deduct		-4.54	
	For >100 To 250, Deduct		-9.08	
	For >250 To 500, Deduct		-15.37	
	For >500, Deduct		-21.65	
06 05 23 00-0028	EA 12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD7B) .....		94.90	
	For >10 To 50, Deduct		-1.85	
	For >50 To 100, Deduct		-5.15	
	For >100 To 250, Deduct		-10.30	
	For >250 To 500, Deduct		-17.30	
	For >500, Deduct		-24.31	
06 05 23 00-0029	EA 14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD9B) .....		111.95	
	For >10 To 50, Deduct		-2.07	
	For >50 To 100, Deduct		-5.90	
	For >100 To 250, Deduct		-11.81	
	For >250 To 500, Deduct		-19.78	
	For >500, Deduct		-27.75	
06 05 23 00-0030	EA 20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD12) .....		181.00	
	For >10 To 50, Deduct		-2.61	
	For >50 To 100, Deduct		-8.45	
	For >100 To 250, Deduct		-16.89	
	For >250 To 500, Deduct		-27.95	
	For >500, Deduct		-39.02	
06 05 23 00-0031	EA 24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD19) .....		243.38	
	For >10 To 50, Deduct		-2.72	
	For >50 To 100, Deduct		-10.17	
	For >100 To 250, Deduct		-20.34	
	For >250 To 500, Deduct		-33.23	
	For >500, Deduct		-46.12	
06 05 23 00-0032	EA 8-11/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU2-SDS2.5) .....		64.88	
	For >10 To 50, Deduct		-1.69	
	For >50 To 100, Deduct		-4.15	
	For >100 To 250, Deduct		-8.31	
	For >250 To 500, Deduct		-14.15	
	For >500, Deduct		-20.00	
06 05 23 00-0033	EA 10-15/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU4-SDS2.5) .....		71.73	
	For >10 To 50, Deduct		-1.74	
	For >50 To 100, Deduct		-4.41	
	For >100 To 250, Deduct		-8.82	
	For >250 To 500, Deduct		-14.97	
	For >500, Deduct		-21.12	
06 05 23 00-0034	EA 13-3/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU5-SDS2.5) .....		80.30	
	For >10 To 50, Deduct		-1.85	
	For >50 To 100, Deduct		-4.79	
	For >100 To 250, Deduct		-9.57	
	For >250 To 500, Deduct		-16.21	
	For >500, Deduct		-22.85	
06 05 23 00-0035	EA 16-5/8" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU8-SDS2.5) .....		99.04	
	For >10 To 50, Deduct		-2.07	
	For >50 To 100, Deduct		-5.58	
	For >100 To 250, Deduct		-11.16	
	For >250 To 500, Deduct		-18.81	
	For >500, Deduct		-26.46	
06 05 23 00-0036	EA 22-1/4" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU11-SDS2.5) .....		127.51	
	For >10 To 50, Deduct		-2.61	
	For >50 To 100, Deduct		-7.11	
	For >100 To 250, Deduct		-14.22	
	For >250 To 500, Deduct		-23.94	
	For >500, Deduct		-33.67	
06 05 23 00-0037	EA 25-11/16" Height x 3" Wide x 3-1/2" Deep, 7 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU14-SDS2.5) .....		142.34	
	For >10 To 50, Deduct		-2.72	
	For >50 To 100, Deduct		-7.64	
	For >100 To 250, Deduct		-15.29	
	For >250 To 500, Deduct		-25.65	
	For >500, Deduct		-36.02	
06 05 23 00-0038	<b>Joist And Beam Hangers</b> <small>(06 05 23)</small>			
		Note: Including nails.		

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0039	EA		18 Gauge, Galvanized Joist Hanger, For 2" x 4" Joist Also Acceptable For Beam Hangers (Simpson Strong Tie® LU24).....	7.32	3.05
			<i>For &gt;10 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.65	
			<i>For &gt;100 To 250, Deduct</i>	-1.30	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-3.22	
06 05 23 00-0040	EA		18 Gauge, Galvanized Joist Hanger, For 2" x 6"-2" x 10" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LU28).....	8.16	3.27
			<i>For &gt;10 To 50, Deduct</i>	-0.33	
			<i>For &gt;50 To 100, Deduct</i>	-0.70	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-2.43	
			<i>For &gt;500, Deduct</i>	-3.46	
06 05 23 00-0041	EA		16 Gauge, Galvanized Joist Hanger, For 3" x 6"-3" x 9" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS36).....	11.38	3.37
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.80	
			<i>For &gt;100 To 250, Deduct</i>	-1.59	
			<i>For &gt;250 To 500, Deduct</i>	-2.73	
			<i>For &gt;500, Deduct</i>	-3.86	
06 05 23 00-0042	EA		16 Gauge, Galvanized Joist Hanger, For 3" x 10"-3" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS310).....	12.38	3.48
			<i>For &gt;10 To 50, Deduct</i>	-0.36	
			<i>For &gt;50 To 100, Deduct</i>	-0.85	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.89	
			<i>For &gt;500, Deduct</i>	-4.10	
06 05 23 00-0043	EA		14 Gauge, Galvanized Joist Hanger, For 4" x 6"-4" x 8" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS46).....	18.85	3.70
			<i>For &gt;10 To 50, Deduct</i>	-0.37	
			<i>For &gt;50 To 100, Deduct</i>	-1.02	
			<i>For &gt;100 To 250, Deduct</i>	-2.05	
			<i>For &gt;250 To 500, Deduct</i>	-3.44	
			<i>For &gt;500, Deduct</i>	-4.83	
06 05 23 00-0044	EA		14 Gauge, Galvanized Joist Hanger, For 4" x 10"-4" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS412).....	22.43	3.82
			<i>For &gt;10 To 50, Deduct</i>	-0.38	
			<i>For &gt;50 To 100, Deduct</i>	-1.13	
			<i>For &gt;100 To 250, Deduct</i>	-2.25	
			<i>For &gt;250 To 500, Deduct</i>	-3.76	
			<i>For &gt;500, Deduct</i>	-5.26	
06 05 23 00-0045			<b>Anchor And Ties</b> (06 05 23) Note: Including nails.		
06 05 23 00-0046	EA		12-3/8" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT4).....	34.08	
			Note: Includes nails. Excludes anchor bolt.		
06 05 23 00-0047	EA		16" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT5).....	42.22	
			Note: Includes nails. Excludes anchor bolt.		
06 05 23 00-0048	EA		16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASAZ).....	4.55	
06 05 23 00-0049	EA		16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASBZ).....	5.11	
06 05 23 00-0050			<b>Hurricane Ties</b> (06 05 23)		
06 05 23 00-0051	EA		6" x 1-3/8" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5A).....	8.04	3.37
			<i>For &gt;10 To 50, Deduct</i>	-0.38	
			<i>For &gt;50 To 100, Deduct</i>	-0.76	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-2.67	
			<i>For &gt;500, Deduct</i>	-3.81	
06 05 23 00-0052	EA		6" x 1-3/8" Wide, 18 Gauge, Zinc Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5AZ).....	2.90	
06 05 23 00-0053	EA		6" x 1-3/8" Wide, 18 Gauge, Stainless Steel Hurricane Ties (Simpson Strong Tie® H2.5ASS).....	7.79	
06 05 23 00-0054	EA		10-7/16" x 1-1/2" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2A).....	9.85	3.37
			<i>For &gt;10 To 50, Deduct</i>	-0.38	
			<i>For &gt;50 To 100, Deduct</i>	-0.81	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.80	
			<i>For &gt;500, Deduct</i>	-3.99	
06 05 23 00-0055	EA		19-3/16" x 2-1/4" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H6).....	16.32	
06 05 23 00-0056			<b>Post Column Bases</b> (06 05 23) Note: Including nails.		
06 05 23 00-0057	EA		Adjustable And Standoff 4" x 4" Post Base, With Bolts (Simpson Strong Tie® ABA44).....	28.59	
06 05 23 00-0058	EA		Adjustable And Standoff 4" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA46).....	45.07	
06 05 23 00-0059	EA		Adjustable And Standoff 6" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA66).....	46.49	
06 05 23 00-0060			<b>Post Column Caps</b> (06 05 23) Note: Including nails.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0061 EA 4" Beam, 4" Post Flange, 18 Gauge, Post Cap (Simpson Strong Tie® BC4) .....	16.79	3.82
<i>For &gt;10 To 50, Deduct</i>	-0.42	
<i>For &gt;50 To 100, Deduct</i>	-1.05	
<i>For &gt;100 To 250, Deduct</i>	-2.10	
<i>For &gt;250 To 500, Deduct</i>	-3.56	
<i>For &gt;500, Deduct</i>	-5.03	
06 05 23 00-0062 EA 6" Beam, 6" Post Flange, 18 Gauge, Post Cap (Simpson Strong Tie® BC6) .....	36.71	3.82
<i>For &gt;10 To 50, Deduct</i>	-0.44	
<i>For &gt;50 To 100, Deduct</i>	-1.58	
<i>For &gt;100 To 250, Deduct</i>	-3.16	
<i>For &gt;250 To 500, Deduct</i>	-5.19	
<i>For &gt;500, Deduct</i>	-7.21	
06 05 23 00-0063 EA 4" Beam, 4" Post Column Cap, 7 Gauge, With Bolts (Simpson Strong Tie® CC44) .....	114.66	
Note: Excludes field welding		
<i>For &gt;10 To 50, Deduct</i>	-1.09	
<i>For &gt;50 To 100, Deduct</i>	-4.50	
<i>For &gt;100 To 250, Deduct</i>	-9.00	
<i>For &gt;250 To 500, Deduct</i>	-14.59	
<i>For &gt;500, Deduct</i>	-20.18	
06 05 23 00-0064 EA 4" Beam, 6" Post Column Cap, 7 Gauge, With Bolts (Simpson Strong Tie® CC46) .....	184.53	
<i>For &gt;10 To 50, Deduct</i>	-1.36	
<i>For &gt;50 To 100, Deduct</i>	-6.66	
<i>For &gt;100 To 250, Deduct</i>	-13.31	
<i>For &gt;250 To 500, Deduct</i>	-21.33	
<i>For &gt;500, Deduct</i>	-29.35	
06 05 23 00-0065 EA 4" Beam, 8" Post Column Cap, 7 Gauge, With Bolts (Simpson Strong Tie® CC48) .....	190.26	
Note: Excludes field welding		
<i>For &gt;10 To 50, Deduct</i>	-1.23	
<i>For &gt;50 To 100, Deduct</i>	-6.59	
<i>For &gt;100 To 250, Deduct</i>	-13.19	
<i>For &gt;250 To 500, Deduct</i>	-21.01	
<i>For &gt;500, Deduct</i>	-28.83	
06 05 23 00-0066 EA 6" Beam, 6" Post Column Cap, 7 Gauge, With Bolts (Simpson Strong Tie® CC66) .....	199.89	
<i>For &gt;10 To 50, Deduct</i>	-1.44	
<i>For &gt;50 To 100, Deduct</i>	-7.16	
<i>For &gt;100 To 250, Deduct</i>	-14.32	
<i>For &gt;250 To 500, Deduct</i>	-22.93	
<i>For &gt;500, Deduct</i>	-31.53	
06 05 23 00-0067 EA 5-1/8" Beam 6X Post Column Cap, 3 Gauge, With Bolts (Simpson Strong Tie® CC5 1/4-6) .....	231.40	
<i>For &gt;10 To 50, Deduct</i>	-1.36	
<i>For &gt;50 To 100, Deduct</i>	-7.83	
<i>For &gt;100 To 250, Deduct</i>	-15.65	
<i>For &gt;250 To 500, Deduct</i>	-24.84	
<i>For &gt;500, Deduct</i>	-34.03	
<b>06 05 23 00-0068 Rafter Connectors</b> <small>(06 05 23)</small>		
06 05 23 00-0069 EA Galvanized Rigid Rafter Connector, For 2" x 6" (Simpson Strong Tie® RR) .....	9.57	3.37
<i>For &gt;10 To 50, Deduct</i>	-0.38	
<i>For &gt;50 To 100, Deduct</i>	-0.80	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.78	
<i>For &gt;500, Deduct</i>	-3.96	
<b>06 05 23 00-0070 Bolts And Fasteners</b> <small>(06 05 23)</small>		
06 05 23 00-0071 <b>Carriage Bolts</b> <small>(06 05 23 00-0070)</small>		
Note: Includes drilling of holes in any material. Includes nut and washer.		
06 05 23 00-0072 <b>Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts</b> <small>(06 05 23 00-0071)</small>		
06 05 23 00-0073 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	14.46	
<i>For &gt;10 To 50, Deduct</i>	-0.71	
<i>For &gt;50 To 100, Deduct</i>	-1.42	
<i>For &gt;100 To 250, Deduct</i>	-2.85	
<i>For &gt;250 To 500, Deduct</i>	-4.98	
<i>For &gt;500, Deduct</i>	-7.11	
06 05 23 00-0074 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	14.59	
<i>For &gt;10 To 50, Deduct</i>	-0.71	
<i>For &gt;50 To 100, Deduct</i>	-1.43	
<i>For &gt;100 To 250, Deduct</i>	-2.85	
<i>For &gt;250 To 500, Deduct</i>	-4.99	
<i>For &gt;500, Deduct</i>	-7.12	
06 05 23 00-0075 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	14.67	
<i>For &gt;10 To 50, Deduct</i>	-0.71	
<i>For &gt;50 To 100, Deduct</i>	-1.43	
<i>For &gt;100 To 250, Deduct</i>	-2.86	
<i>For &gt;250 To 500, Deduct</i>	-4.99	
<i>For &gt;500, Deduct</i>	-7.13	
06 05 23 00-0076 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	17.09	
<i>For &gt;10 To 50, Deduct</i>	-0.82	
<i>For &gt;50 To 100, Deduct</i>	-1.65	
<i>For &gt;100 To 250, Deduct</i>	-3.31	
<i>For &gt;250 To 500, Deduct</i>	-5.78	
<i>For &gt;500, Deduct</i>	-8.25	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 05 23 00-0077	EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	15.90	
	For >10 To 50, Deduct	-0.76	
	For >50 To 100, Deduct	-1.54	
	For >100 To 250, Deduct	-3.08	
	For >250 To 500, Deduct	-5.39	
	For >500, Deduct	-7.69	
06 05 23 00-0078	EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	17.20	
	For >10 To 50, Deduct	-0.82	
	For >50 To 100, Deduct	-1.66	
	For >100 To 250, Deduct	-3.31	
	For >250 To 500, Deduct	-5.78	
	For >500, Deduct	-8.26	
06 05 23 00-0079	EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	17.41	
	For >10 To 50, Deduct	-0.82	
	For >50 To 100, Deduct	-1.66	
	For >100 To 250, Deduct	-3.32	
	For >250 To 500, Deduct	-5.80	
	For >500, Deduct	-8.28	
06 05 23 00-0080	EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	20.83	
	For >10 To 50, Deduct	-0.98	
	For >50 To 100, Deduct	-1.99	
	For >100 To 250, Deduct	-3.98	
	For >250 To 500, Deduct	-6.96	
	For >500, Deduct	-9.93	
06 05 23 00-0081	EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	22.55	
	For >10 To 50, Deduct	-1.04	
	For >50 To 100, Deduct	-2.12	
	For >100 To 250, Deduct	-4.23	
	For >250 To 500, Deduct	-7.38	
	For >500, Deduct	-10.54	
06 05 23 00-0082	EA 3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	25.35	
	For >10 To 50, Deduct	-1.14	
	For >50 To 100, Deduct	-2.35	
	For >100 To 250, Deduct	-4.70	
	For >250 To 500, Deduct	-8.19	
	For >500, Deduct	-11.68	
06 05 23 00-0083	EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	17.65	
	For >10 To 50, Deduct	-0.82	
	For >50 To 100, Deduct	-1.67	
	For >100 To 250, Deduct	-3.33	
	For >250 To 500, Deduct	-5.82	
	For >500, Deduct	-8.30	
06 05 23 00-0084	EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	19.28	
	For >10 To 50, Deduct	-0.87	
	For >50 To 100, Deduct	-1.79	
	For >100 To 250, Deduct	-3.58	
	For >250 To 500, Deduct	-6.24	
	For >500, Deduct	-8.90	
06 05 23 00-0085	EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	20.54	
	For >10 To 50, Deduct	-0.93	
	For >50 To 100, Deduct	-1.90	
	For >100 To 250, Deduct	-3.80	
	For >250 To 500, Deduct	-6.63	
	For >500, Deduct	-9.46	
06 05 23 00-0086	EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	23.02	
	For >10 To 50, Deduct	-1.04	
	For >50 To 100, Deduct	-2.13	
	For >100 To 250, Deduct	-4.26	
	For >250 To 500, Deduct	-7.42	
	For >500, Deduct	-10.58	
06 05 23 00-0087	EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	27.01	
	For >10 To 50, Deduct	-1.20	
	For >50 To 100, Deduct	-2.47	
	For >100 To 250, Deduct	-4.94	
	For >250 To 500, Deduct	-8.61	
	For >500, Deduct	-12.29	
06 05 23 00-0088	EA 1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	30.18	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-2.72	
	For >100 To 250, Deduct	-5.43	
	For >250 To 500, Deduct	-9.45	
	For >500, Deduct	-13.47	
06 05 23 00-0089	EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	23.77	
	For >10 To 50, Deduct	-0.98	
	For >50 To 100, Deduct	-2.07	
	For >100 To 250, Deduct	-4.13	
	For >250 To 500, Deduct	-7.18	
	For >500, Deduct	-10.22	
06 05 23 00-0090	EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	25.70	
	For >10 To 50, Deduct	-1.04	
	For >50 To 100, Deduct	-2.20	
	For >100 To 250, Deduct	-4.39	
	For >250 To 500, Deduct	-7.62	
	For >500, Deduct	-10.85	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0091 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	30.69	
<i>For &gt;10 To 50, Deduct</i>	-1.20	
<i>For &gt;50 To 100, Deduct</i>	-2.56	
<i>For &gt;100 To 250, Deduct</i>	-5.13	
<i>For &gt;250 To 500, Deduct</i>	-8.89	
<i>For &gt;500, Deduct</i>	-12.65	
06 05 23 00-0092 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	34.27	
<i>For &gt;10 To 50, Deduct</i>	-1.25	
<i>For &gt;50 To 100, Deduct</i>	-2.74	
<i>For &gt;100 To 250, Deduct</i>	-5.47	
<i>For &gt;250 To 500, Deduct</i>	-9.46	
<i>For &gt;500, Deduct</i>	-13.45	
06 05 23 00-0093 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	37.21	
<i>For &gt;10 To 50, Deduct</i>	-1.36	
<i>For &gt;50 To 100, Deduct</i>	-2.97	
<i>For &gt;100 To 250, Deduct</i>	-5.95	
<i>For &gt;250 To 500, Deduct</i>	-10.28	
<i>For &gt;500, Deduct</i>	-14.61	
06 05 23 00-0094 EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	38.01	
<i>For &gt;10 To 50, Deduct</i>	-1.42	
<i>For &gt;50 To 100, Deduct</i>	-3.07	
<i>For &gt;100 To 250, Deduct</i>	-6.15	
<i>For &gt;250 To 500, Deduct</i>	-10.64	
<i>For &gt;500, Deduct</i>	-15.13	
<b>06 05 23 00-0095 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts</b> (06 05 23 00-0071)		
06 05 23 00-0096 EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	14.69	
<i>For &gt;10 To 50, Deduct</i>	-0.71	
<i>For &gt;50 To 100, Deduct</i>	-1.43	
<i>For &gt;100 To 250, Deduct</i>	-2.86	
<i>For &gt;250 To 500, Deduct</i>	-5.00	
<i>For &gt;500, Deduct</i>	-7.13	
06 05 23 00-0097 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	14.94	
<i>For &gt;10 To 50, Deduct</i>	-0.71	
<i>For &gt;50 To 100, Deduct</i>	-1.44	
<i>For &gt;100 To 250, Deduct</i>	-2.87	
<i>For &gt;250 To 500, Deduct</i>	-5.01	
<i>For &gt;500, Deduct</i>	-7.16	
06 05 23 00-0098 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	15.21	
<i>For &gt;10 To 50, Deduct</i>	-0.71	
<i>For &gt;50 To 100, Deduct</i>	-1.44	
<i>For &gt;100 To 250, Deduct</i>	-2.88	
<i>For &gt;250 To 500, Deduct</i>	-5.03	
<i>For &gt;500, Deduct</i>	-7.19	
06 05 23 00-0099 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	17.99	
<i>For &gt;10 To 50, Deduct</i>	-0.82	
<i>For &gt;50 To 100, Deduct</i>	-1.68	
<i>For &gt;100 To 250, Deduct</i>	-3.35	
<i>For &gt;250 To 500, Deduct</i>	-5.84	
<i>For &gt;500, Deduct</i>	-8.34	
06 05 23 00-0100 EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	16.23	
<i>For &gt;10 To 50, Deduct</i>	-0.76	
<i>For &gt;50 To 100, Deduct</i>	-1.55	
<i>For &gt;100 To 250, Deduct</i>	-3.10	
<i>For &gt;250 To 500, Deduct</i>	-5.41	
<i>For &gt;500, Deduct</i>	-7.72	
06 05 23 00-0101 EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	17.71	
<i>For &gt;10 To 50, Deduct</i>	-0.82	
<i>For &gt;50 To 100, Deduct</i>	-1.67	
<i>For &gt;100 To 250, Deduct</i>	-3.34	
<i>For &gt;250 To 500, Deduct</i>	-5.82	
<i>For &gt;500, Deduct</i>	-8.31	
06 05 23 00-0102 EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	18.01	
<i>For &gt;10 To 50, Deduct</i>	-0.82	
<i>For &gt;50 To 100, Deduct</i>	-1.68	
<i>For &gt;100 To 250, Deduct</i>	-3.35	
<i>For &gt;250 To 500, Deduct</i>	-5.84	
<i>For &gt;500, Deduct</i>	-8.34	
06 05 23 00-0103 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	21.75	
<i>For &gt;10 To 50, Deduct</i>	-0.98	
<i>For &gt;50 To 100, Deduct</i>	-2.01	
<i>For &gt;100 To 250, Deduct</i>	-4.03	
<i>For &gt;250 To 500, Deduct</i>	-7.02	
<i>For &gt;500, Deduct</i>	-10.02	
06 05 23 00-0104 EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	23.57	
<i>For &gt;10 To 50, Deduct</i>	-1.04	
<i>For &gt;50 To 100, Deduct</i>	-2.14	
<i>For &gt;100 To 250, Deduct</i>	-4.28	
<i>For &gt;250 To 500, Deduct</i>	-7.46	
<i>For &gt;500, Deduct</i>	-10.64	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 05 23 00-0105	EA 3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	26.30	
	For >10 To 50, Deduct	-1.14	
	For >50 To 100, Deduct	-2.37	
	For >100 To 250, Deduct	-4.75	
	For >250 To 500, Deduct	-8.26	
	For >500, Deduct	-11.78	
06 05 23 00-0106	EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	18.41	
	For >10 To 50, Deduct	-0.82	
	For >50 To 100, Deduct	-1.69	
	For >100 To 250, Deduct	-3.37	
	For >250 To 500, Deduct	-5.87	
	For >500, Deduct	-8.38	
06 05 23 00-0107	EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	19.88	
	For >10 To 50, Deduct	-0.87	
	For >50 To 100, Deduct	-1.80	
	For >100 To 250, Deduct	-3.61	
	For >250 To 500, Deduct	-6.28	
	For >500, Deduct	-8.96	
06 05 23 00-0108	EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	21.25	
	For >10 To 50, Deduct	-0.93	
	For >50 To 100, Deduct	-1.92	
	For >100 To 250, Deduct	-3.84	
	For >250 To 500, Deduct	-6.68	
	For >500, Deduct	-9.53	
06 05 23 00-0109	EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	24.06	
	For >10 To 50, Deduct	-1.04	
	For >50 To 100, Deduct	-2.15	
	For >100 To 250, Deduct	-4.31	
	For >250 To 500, Deduct	-7.50	
	For >500, Deduct	-10.69	
06 05 23 00-0110	EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	28.02	
	For >10 To 50, Deduct	-1.20	
	For >50 To 100, Deduct	-2.50	
	For >100 To 250, Deduct	-5.00	
	For >250 To 500, Deduct	-8.69	
	For >500, Deduct	-12.39	
06 05 23 00-0111	EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	30.95	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-2.73	
	For >100 To 250, Deduct	-5.47	
	For >250 To 500, Deduct	-9.51	
	For >500, Deduct	-13.55	
06 05 23 00-0112	EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	26.07	
	For >10 To 50, Deduct	-0.98	
	For >50 To 100, Deduct	-2.12	
	For >100 To 250, Deduct	-4.25	
	For >250 To 500, Deduct	-7.35	
	For >500, Deduct	-10.45	
06 05 23 00-0113	EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	27.31	
	For >10 To 50, Deduct	-1.04	
	For >50 To 100, Deduct	-2.24	
	For >100 To 250, Deduct	-4.47	
	For >250 To 500, Deduct	-7.74	
	For >500, Deduct	-11.01	
06 05 23 00-0114	EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	31.83	
	For >10 To 50, Deduct	-1.20	
	For >50 To 100, Deduct	-2.59	
	For >100 To 250, Deduct	-5.19	
	For >250 To 500, Deduct	-8.98	
	For >500, Deduct	-12.77	
06 05 23 00-0115	EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	34.18	
	For >10 To 50, Deduct	-1.25	
	For >50 To 100, Deduct	-2.73	
	For >100 To 250, Deduct	-5.47	
	For >250 To 500, Deduct	-9.46	
	For >500, Deduct	-13.44	
06 05 23 00-0116	EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	38.69	
	For >10 To 50, Deduct	-1.36	
	For >50 To 100, Deduct	-3.01	
	For >100 To 250, Deduct	-6.02	
	For >250 To 500, Deduct	-10.39	
	For >500, Deduct	-14.76	
06 05 23 00-0117	EA 3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	41.11	
	For >10 To 50, Deduct	-1.42	
	For >50 To 100, Deduct	-3.15	
	For >100 To 250, Deduct	-6.30	
	For >250 To 500, Deduct	-10.87	
	For >500, Deduct	-15.44	

06 05 23 00-0118 304/18-8 Stainless Steel, Carriage Bolts (06 05 23 00-0071)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0119 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	15.47	
For >10 To 50, Deduct	-0.71	
For >50 To 100, Deduct	-1.45	
For >100 To 250, Deduct	-2.90	
For >250 To 500, Deduct	-5.05	
For >500, Deduct	-7.21	
06 05 23 00-0120 EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	16.90	
For >10 To 50, Deduct	-0.71	
For >50 To 100, Deduct	-1.48	
For >100 To 250, Deduct	-2.97	
For >250 To 500, Deduct	-5.16	
For >500, Deduct	-7.35	
06 05 23 00-0121 EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	17.84	
For >10 To 50, Deduct	-0.71	
For >50 To 100, Deduct	-1.51	
For >100 To 250, Deduct	-3.02	
For >250 To 500, Deduct	-5.23	
For >500, Deduct	-7.45	
06 05 23 00-0122 EA 1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	30.12	
For >10 To 50, Deduct	-0.82	
For >50 To 100, Deduct	-1.98	
For >100 To 250, Deduct	-3.96	
For >250 To 500, Deduct	-6.75	
For >500, Deduct	-9.55	
06 05 23 00-0123 EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	17.89	
For >10 To 50, Deduct	-0.76	
For >50 To 100, Deduct	-1.59	
For >100 To 250, Deduct	-3.18	
For >250 To 500, Deduct	-5.54	
For >500, Deduct	-7.89	
06 05 23 00-0124 EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	21.06	
For >10 To 50, Deduct	-0.82	
For >50 To 100, Deduct	-1.75	
For >100 To 250, Deduct	-3.50	
For >250 To 500, Deduct	-6.07	
For >500, Deduct	-8.64	
06 05 23 00-0125 EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	21.51	
For >10 To 50, Deduct	-0.82	
For >50 To 100, Deduct	-1.76	
For >100 To 250, Deduct	-3.53	
For >250 To 500, Deduct	-6.11	
For >500, Deduct	-8.69	
06 05 23 00-0126 EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	39.73	
For >10 To 50, Deduct	-0.98	
For >50 To 100, Deduct	-2.46	
For >100 To 250, Deduct	-4.93	
For >250 To 500, Deduct	-8.37	
For >500, Deduct	-11.82	
06 05 23 00-0127 EA 3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	48.28	
For >10 To 50, Deduct	-1.04	
For >50 To 100, Deduct	-2.76	
For >100 To 250, Deduct	-5.52	
For >250 To 500, Deduct	-9.31	
For >500, Deduct	-13.11	
06 05 23 00-0128 EA 3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	54.08	
For >10 To 50, Deduct	-1.14	
For >50 To 100, Deduct	-3.07	
For >100 To 250, Deduct	-6.13	
For >250 To 500, Deduct	-10.35	
For >500, Deduct	-14.56	
06 05 23 00-0129 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	22.73	
For >10 To 50, Deduct	-0.82	
For >50 To 100, Deduct	-1.79	
For >100 To 250, Deduct	-3.59	
For >250 To 500, Deduct	-6.20	
For >500, Deduct	-8.81	
06 05 23 00-0130 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	25.82	
For >10 To 50, Deduct	-0.87	
For >50 To 100, Deduct	-1.95	
For >100 To 250, Deduct	-3.91	
For >250 To 500, Deduct	-6.73	
For >500, Deduct	-9.55	
06 05 23 00-0131 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	31.25	
For >10 To 50, Deduct	-0.93	
For >50 To 100, Deduct	-2.17	
For >100 To 250, Deduct	-4.34	
For >250 To 500, Deduct	-7.43	
For >500, Deduct	-10.53	
06 05 23 00-0132 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	49.60	
For >10 To 50, Deduct	-1.04	
For >50 To 100, Deduct	-2.79	
For >100 To 250, Deduct	-5.59	
For >250 To 500, Deduct	-9.41	
For >500, Deduct	-13.24	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0133 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	56.02	
For >10 To 50, Deduct	-1.20	
For >50 To 100, Deduct	-3.20	
For >100 To 250, Deduct	-6.40	
For >250 To 500, Deduct	-10.79	
For >500, Deduct	-15.19	
06 05 23 00-0134 EA 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	87.83	
For >10 To 50, Deduct	-1.31	
For >50 To 100, Deduct	-4.16	
For >100 To 250, Deduct	-8.31	
For >250 To 500, Deduct	-13.78	
For >500, Deduct	-19.24	
06 05 23 00-0135 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	68.22	
For >10 To 50, Deduct	-1.04	
For >50 To 100, Deduct	-3.26	
For >100 To 250, Deduct	-6.52	
For >250 To 500, Deduct	-10.81	
For >500, Deduct	-15.10	
06 05 23 00-0136 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	96.53	
For >10 To 50, Deduct	-1.20	
For >50 To 100, Deduct	-4.21	
For >100 To 250, Deduct	-8.42	
For >250 To 500, Deduct	-13.83	
For >500, Deduct	-19.24	
06 05 23 00-0137 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	106.96	
For >10 To 50, Deduct	-1.25	
For >50 To 100, Deduct	-4.55	
For >100 To 250, Deduct	-9.11	
For >250 To 500, Deduct	-14.91	
For >500, Deduct	-20.72	
06 05 23 00-0138 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	157.76	
For >10 To 50, Deduct	-1.36	
For >50 To 100, Deduct	-5.99	
For >100 To 250, Deduct	-11.97	
For >250 To 500, Deduct	-19.32	
For >500, Deduct	-26.67	
06 05 23 00-0139 EA 3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	165.94	
For >10 To 50, Deduct	-1.42	
For >50 To 100, Deduct	-6.27	
For >100 To 250, Deduct	-12.55	
For >250 To 500, Deduct	-20.23	
For >500, Deduct	-27.92	
<b>06 05 23 00-0140 316 Stainless Steel, Carriage Bolts (06 05 23 00-0071)</b>		
06 05 23 00-0141 EA 1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	22.09	
For >10 To 50, Deduct	-0.71	
For >50 To 100, Deduct	-1.61	
For >100 To 250, Deduct	-3.23	
For >250 To 500, Deduct	-5.55	
For >500, Deduct	-7.87	
06 05 23 00-0142 EA 1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	24.61	
For >10 To 50, Deduct	-0.71	
For >50 To 100, Deduct	-1.68	
For >100 To 250, Deduct	-3.35	
For >250 To 500, Deduct	-5.74	
For >500, Deduct	-8.13	
06 05 23 00-0143 EA 3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	26.55	
For >10 To 50, Deduct	-0.76	
For >50 To 100, Deduct	-1.81	
For >100 To 250, Deduct	-3.62	
For >250 To 500, Deduct	-6.19	
For >500, Deduct	-8.76	
06 05 23 00-0144 EA 3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	31.14	
For >10 To 50, Deduct	-0.82	
For >50 To 100, Deduct	-2.00	
For >100 To 250, Deduct	-4.01	
For >250 To 500, Deduct	-6.83	
For >500, Deduct	-9.65	
06 05 23 00-0145 EA 1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	42.33	
For >10 To 50, Deduct	-0.82	
For >50 To 100, Deduct	-2.28	
For >100 To 250, Deduct	-4.57	
For >250 To 500, Deduct	-7.67	
For >500, Deduct	-10.77	
06 05 23 00-0146 EA 1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	46.13	
For >10 To 50, Deduct	-0.87	
For >50 To 100, Deduct	-2.46	
For >100 To 250, Deduct	-4.92	
For >250 To 500, Deduct	-8.25	
For >500, Deduct	-11.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0147 EA 1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt.....	49.71	
<i>For &gt;10 To 50, Deduct</i>	-0.93	
<i>For &gt;50 To 100, Deduct</i>	-2.63	
<i>For &gt;100 To 250, Deduct</i>	-5.26	
<i>For &gt;250 To 500, Deduct</i>	-8.82	
<i>For &gt;500, Deduct</i>	-12.38	
<b>06 05 23 00-0148 Hex Lag Bolts</b> <small>(06 05 23 00-0070)</small>		
Note: Includes drilling of holes in any material.		
<b>06 05 23 00-0149 Zinc Plated Steel, Hex Lag Bolts</b> <small>(06 05 23 00-0148)</small>		
06 05 23 00-0150 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	13.80	
<i>For &gt;10 To 50, Deduct</i>	-0.68	
<i>For &gt;50 To 100, Deduct</i>	-1.37	
<i>For &gt;100 To 250, Deduct</i>	-2.73	
<i>For &gt;250 To 500, Deduct</i>	-4.78	
<i>For &gt;500, Deduct</i>	-6.83	
06 05 23 00-0151 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	13.91	
<i>For &gt;10 To 50, Deduct</i>	-0.68	
<i>For &gt;50 To 100, Deduct</i>	-1.37	
<i>For &gt;100 To 250, Deduct</i>	-2.74	
<i>For &gt;250 To 500, Deduct</i>	-4.79	
<i>For &gt;500, Deduct</i>	-6.84	
06 05 23 00-0152 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	14.15	
<i>For &gt;10 To 50, Deduct</i>	-0.68	
<i>For &gt;50 To 100, Deduct</i>	-1.38	
<i>For &gt;100 To 250, Deduct</i>	-2.75	
<i>For &gt;250 To 500, Deduct</i>	-4.81	
<i>For &gt;500, Deduct</i>	-6.86	
06 05 23 00-0153 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	15.19	
<i>For &gt;10 To 50, Deduct</i>	-0.74	
<i>For &gt;50 To 100, Deduct</i>	-1.49	
<i>For &gt;100 To 250, Deduct</i>	-2.99	
<i>For &gt;250 To 500, Deduct</i>	-5.22	
<i>For &gt;500, Deduct</i>	-7.46	
06 05 23 00-0154 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.47	
<i>For &gt;10 To 50, Deduct</i>	-0.80	
<i>For &gt;50 To 100, Deduct</i>	-1.60	
<i>For &gt;100 To 250, Deduct</i>	-3.21	
<i>For &gt;250 To 500, Deduct</i>	-5.61	
<i>For &gt;500, Deduct</i>	-8.01	
06 05 23 00-0155 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.72	
<i>For &gt;10 To 50, Deduct</i>	-0.80	
<i>For &gt;50 To 100, Deduct</i>	-1.61	
<i>For &gt;100 To 250, Deduct</i>	-3.22	
<i>For &gt;250 To 500, Deduct</i>	-5.63	
<i>For &gt;500, Deduct</i>	-8.03	
06 05 23 00-0156 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	20.42	
<i>For &gt;10 To 50, Deduct</i>	-0.95	
<i>For &gt;50 To 100, Deduct</i>	-1.94	
<i>For &gt;100 To 250, Deduct</i>	-3.88	
<i>For &gt;250 To 500, Deduct</i>	-6.78	
<i>For &gt;500, Deduct</i>	-9.67	
06 05 23 00-0157 EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	21.62	
<i>For &gt;10 To 50, Deduct</i>	-1.01	
<i>For &gt;50 To 100, Deduct</i>	-2.05	
<i>For &gt;100 To 250, Deduct</i>	-4.10	
<i>For &gt;250 To 500, Deduct</i>	-7.16	
<i>For &gt;500, Deduct</i>	-10.21	
06 05 23 00-0158 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.75	
<i>For &gt;10 To 50, Deduct</i>	-0.80	
<i>For &gt;50 To 100, Deduct</i>	-1.62	
<i>For &gt;100 To 250, Deduct</i>	-3.24	
<i>For &gt;250 To 500, Deduct</i>	-5.66	
<i>For &gt;500, Deduct</i>	-8.08	
06 05 23 00-0159 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	18.18	
<i>For &gt;10 To 50, Deduct</i>	-0.85	
<i>For &gt;50 To 100, Deduct</i>	-1.74	
<i>For &gt;100 To 250, Deduct</i>	-3.47	
<i>For &gt;250 To 500, Deduct</i>	-6.06	
<i>For &gt;500, Deduct</i>	-8.65	
06 05 23 00-0160 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	19.72	
<i>For &gt;10 To 50, Deduct</i>	-0.91	
<i>For &gt;50 To 100, Deduct</i>	-1.85	
<i>For &gt;100 To 250, Deduct</i>	-3.71	
<i>For &gt;250 To 500, Deduct</i>	-6.47	
<i>For &gt;500, Deduct</i>	-9.23	
06 05 23 00-0161 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	22.39	
<i>For &gt;10 To 50, Deduct</i>	-1.01	
<i>For &gt;50 To 100, Deduct</i>	-2.08	
<i>For &gt;100 To 250, Deduct</i>	-4.16	
<i>For &gt;250 To 500, Deduct</i>	-7.26	
<i>For &gt;500, Deduct</i>	-10.35	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0162	EA		1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	26.34	
			<i>For &gt;10 To 50, Deduct</i>	-1.18	
			<i>For &gt;50 To 100, Deduct</i>	-2.42	
			<i>For &gt;100 To 250, Deduct</i>	-4.84	
			<i>For &gt;250 To 500, Deduct</i>	-8.44	
			<i>For &gt;500, Deduct</i>	-12.03	
06 05 23 00-0163	EA		1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	28.74	
			<i>For &gt;10 To 50, Deduct</i>	-1.28	
			<i>For &gt;50 To 100, Deduct</i>	-2.64	
			<i>For &gt;100 To 250, Deduct</i>	-5.28	
			<i>For &gt;250 To 500, Deduct</i>	-9.20	
			<i>For &gt;500, Deduct</i>	-13.13	
06 05 23 00-0164	EA		3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	23.93	
			<i>For &gt;10 To 50, Deduct</i>	-1.01	
			<i>For &gt;50 To 100, Deduct</i>	-2.12	
			<i>For &gt;100 To 250, Deduct</i>	-4.24	
			<i>For &gt;250 To 500, Deduct</i>	-7.37	
			<i>For &gt;500, Deduct</i>	-10.51	
06 05 23 00-0165	EA		3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	28.48	
			<i>For &gt;10 To 50, Deduct</i>	-1.18	
			<i>For &gt;50 To 100, Deduct</i>	-2.47	
			<i>For &gt;100 To 250, Deduct</i>	-4.95	
			<i>For &gt;250 To 500, Deduct</i>	-8.60	
			<i>For &gt;500, Deduct</i>	-12.25	
06 05 23 00-0166	EA		3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	31.29	
			<i>For &gt;10 To 50, Deduct</i>	-1.23	
			<i>For &gt;50 To 100, Deduct</i>	-2.62	
			<i>For &gt;100 To 250, Deduct</i>	-5.25	
			<i>For &gt;250 To 500, Deduct</i>	-9.10	
			<i>For &gt;500, Deduct</i>	-12.95	
06 05 23 00-0167	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	35.03	
			<i>For &gt;10 To 50, Deduct</i>	-1.34	
			<i>For &gt;50 To 100, Deduct</i>	-2.88	
			<i>For &gt;100 To 250, Deduct</i>	-5.76	
			<i>For &gt;250 To 500, Deduct</i>	-9.97	
			<i>For &gt;500, Deduct</i>	-14.18	
06 05 23 00-0168	EA		3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	38.92	
			<i>For &gt;10 To 50, Deduct</i>	-1.39	
			<i>For &gt;50 To 100, Deduct</i>	-3.06	
			<i>For &gt;100 To 250, Deduct</i>	-6.11	
			<i>For &gt;250 To 500, Deduct</i>	-10.55	
			<i>For &gt;500, Deduct</i>	-15.00	
<b>06 05 23 00-0169</b>			<b>Hot Dipped Galvanized Steel, Hex Lag Bolts</b> <small>(06 05 23 00-0148)</small>		
06 05 23 00-0170	EA		1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	13.86	
			<i>For &gt;10 To 50, Deduct</i>	-0.68	
			<i>For &gt;50 To 100, Deduct</i>	-1.37	
			<i>For &gt;100 To 250, Deduct</i>	-2.74	
			<i>For &gt;250 To 500, Deduct</i>	-4.79	
			<i>For &gt;500, Deduct</i>	-6.83	
06 05 23 00-0171	EA		1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	14.03	
			<i>For &gt;10 To 50, Deduct</i>	-0.68	
			<i>For &gt;50 To 100, Deduct</i>	-1.37	
			<i>For &gt;100 To 250, Deduct</i>	-2.74	
			<i>For &gt;250 To 500, Deduct</i>	-4.80	
			<i>For &gt;500, Deduct</i>	-6.85	
06 05 23 00-0172	EA		1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	14.21	
			<i>For &gt;10 To 50, Deduct</i>	-0.68	
			<i>For &gt;50 To 100, Deduct</i>	-1.38	
			<i>For &gt;100 To 250, Deduct</i>	-2.75	
			<i>For &gt;250 To 500, Deduct</i>	-4.81	
			<i>For &gt;500, Deduct</i>	-6.87	
06 05 23 00-0173	EA		3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	15.28	
			<i>For &gt;10 To 50, Deduct</i>	-0.74	
			<i>For &gt;50 To 100, Deduct</i>	-1.50	
			<i>For &gt;100 To 250, Deduct</i>	-2.99	
			<i>For &gt;250 To 500, Deduct</i>	-5.23	
			<i>For &gt;500, Deduct</i>	-7.46	
06 05 23 00-0174	EA		3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.62	
			<i>For &gt;10 To 50, Deduct</i>	-0.80	
			<i>For &gt;50 To 100, Deduct</i>	-1.61	
			<i>For &gt;100 To 250, Deduct</i>	-3.22	
			<i>For &gt;250 To 500, Deduct</i>	-5.62	
			<i>For &gt;500, Deduct</i>	-8.02	
06 05 23 00-0175	EA		3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.90	
			<i>For &gt;10 To 50, Deduct</i>	-0.80	
			<i>For &gt;50 To 100, Deduct</i>	-1.62	
			<i>For &gt;100 To 250, Deduct</i>	-3.23	
			<i>For &gt;250 To 500, Deduct</i>	-5.64	
			<i>For &gt;500, Deduct</i>	-8.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0176 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	20.76	
<i>For &gt;10 To 50, Deduct</i>	-0.95	
<i>For &gt;50 To 100, Deduct</i>	-1.95	
<i>For &gt;100 To 250, Deduct</i>	-3.90	
<i>For &gt;250 To 500, Deduct</i>	-6.80	
<i>For &gt;500, Deduct</i>	-9.71	
06 05 23 00-0177 EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	22.19	
<i>For &gt;10 To 50, Deduct</i>	-1.01	
<i>For &gt;50 To 100, Deduct</i>	-2.06	
<i>For &gt;100 To 250, Deduct</i>	-4.13	
<i>For &gt;250 To 500, Deduct</i>	-7.20	
<i>For &gt;500, Deduct</i>	-10.27	
06 05 23 00-0178 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	17.01	
<i>For &gt;10 To 50, Deduct</i>	-0.80	
<i>For &gt;50 To 100, Deduct</i>	-1.63	
<i>For &gt;100 To 250, Deduct</i>	-3.25	
<i>For &gt;250 To 500, Deduct</i>	-5.68	
<i>For &gt;500, Deduct</i>	-8.11	
06 05 23 00-0179 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	18.32	
<i>For &gt;10 To 50, Deduct</i>	-0.85	
<i>For &gt;50 To 100, Deduct</i>	-1.74	
<i>For &gt;100 To 250, Deduct</i>	-3.48	
<i>For &gt;250 To 500, Deduct</i>	-6.07	
<i>For &gt;500, Deduct</i>	-8.66	
06 05 23 00-0180 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	19.98	
<i>For &gt;10 To 50, Deduct</i>	-0.91	
<i>For &gt;50 To 100, Deduct</i>	-1.86	
<i>For &gt;100 To 250, Deduct</i>	-3.72	
<i>For &gt;250 To 500, Deduct</i>	-6.49	
<i>For &gt;500, Deduct</i>	-9.26	
06 05 23 00-0181 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	23.17	
<i>For &gt;10 To 50, Deduct</i>	-1.01	
<i>For &gt;50 To 100, Deduct</i>	-2.10	
<i>For &gt;100 To 250, Deduct</i>	-4.20	
<i>For &gt;250 To 500, Deduct</i>	-7.31	
<i>For &gt;500, Deduct</i>	-10.43	
06 05 23 00-0182 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	26.72	
<i>For &gt;10 To 50, Deduct</i>	-1.18	
<i>For &gt;50 To 100, Deduct</i>	-2.43	
<i>For &gt;100 To 250, Deduct</i>	-4.86	
<i>For &gt;250 To 500, Deduct</i>	-8.47	
<i>For &gt;500, Deduct</i>	-12.07	
06 05 23 00-0183 EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	29.67	
<i>For &gt;10 To 50, Deduct</i>	-1.28	
<i>For &gt;50 To 100, Deduct</i>	-2.66	
<i>For &gt;100 To 250, Deduct</i>	-5.33	
<i>For &gt;250 To 500, Deduct</i>	-9.27	
<i>For &gt;500, Deduct</i>	-13.22	
06 05 23 00-0184 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	24.51	
<i>For &gt;10 To 50, Deduct</i>	-1.01	
<i>For &gt;50 To 100, Deduct</i>	-2.13	
<i>For &gt;100 To 250, Deduct</i>	-4.27	
<i>For &gt;250 To 500, Deduct</i>	-7.42	
<i>For &gt;500, Deduct</i>	-10.56	
06 05 23 00-0185 EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	29.00	
<i>For &gt;10 To 50, Deduct</i>	-1.18	
<i>For &gt;50 To 100, Deduct</i>	-2.49	
<i>For &gt;100 To 250, Deduct</i>	-4.98	
<i>For &gt;250 To 500, Deduct</i>	-8.64	
<i>For &gt;500, Deduct</i>	-12.30	
06 05 23 00-0186 EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	32.17	
<i>For &gt;10 To 50, Deduct</i>	-1.23	
<i>For &gt;50 To 100, Deduct</i>	-2.65	
<i>For &gt;100 To 250, Deduct</i>	-5.29	
<i>For &gt;250 To 500, Deduct</i>	-9.17	
<i>For &gt;500, Deduct</i>	-13.04	
06 05 23 00-0187 EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	37.10	
<i>For &gt;10 To 50, Deduct</i>	-1.34	
<i>For &gt;50 To 100, Deduct</i>	-2.93	
<i>For &gt;100 To 250, Deduct</i>	-5.86	
<i>For &gt;250 To 500, Deduct</i>	-10.13	
<i>For &gt;500, Deduct</i>	-14.39	
06 05 23 00-0188 EA 3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	41.12	
<i>For &gt;10 To 50, Deduct</i>	-1.39	
<i>For &gt;50 To 100, Deduct</i>	-3.11	
<i>For &gt;100 To 250, Deduct</i>	-6.22	
<i>For &gt;250 To 500, Deduct</i>	-10.72	
<i>For &gt;500, Deduct</i>	-15.22	

06 05 23 00-0189 304/18-8 Stainless Steel, Hex Lag Bolts (06 05 23 00-0148)

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 05 23 00-0190	EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	14.52	
	<i>For &gt;10 To 50, Deduct</i>	-0.68	
	<i>For &gt;50 To 100, Deduct</i>	-1.38	
	<i>For &gt;100 To 250, Deduct</i>	-2.77	
	<i>For &gt;250 To 500, Deduct</i>	-4.83	
	<i>For &gt;500, Deduct</i>	-6.90	
06 05 23 00-0191	EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	15.19	
	<i>For &gt;10 To 50, Deduct</i>	-0.68	
	<i>For &gt;50 To 100, Deduct</i>	-1.40	
	<i>For &gt;100 To 250, Deduct</i>	-2.80	
	<i>For &gt;250 To 500, Deduct</i>	-4.88	
	<i>For &gt;500, Deduct</i>	-6.97	
06 05 23 00-0192	EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	17.02	
	<i>For &gt;10 To 50, Deduct</i>	-0.68	
	<i>For &gt;50 To 100, Deduct</i>	-1.45	
	<i>For &gt;100 To 250, Deduct</i>	-2.89	
	<i>For &gt;250 To 500, Deduct</i>	-5.02	
	<i>For &gt;500, Deduct</i>	-7.15	
06 05 23 00-0193	EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	17.14	
	<i>For &gt;10 To 50, Deduct</i>	-0.74	
	<i>For &gt;50 To 100, Deduct</i>	-1.54	
	<i>For &gt;100 To 250, Deduct</i>	-3.08	
	<i>For &gt;250 To 500, Deduct</i>	-5.37	
	<i>For &gt;500, Deduct</i>	-7.65	
06 05 23 00-0194	EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	19.22	
	<i>For &gt;10 To 50, Deduct</i>	-0.80	
	<i>For &gt;50 To 100, Deduct</i>	-1.67	
	<i>For &gt;100 To 250, Deduct</i>	-3.35	
	<i>For &gt;250 To 500, Deduct</i>	-5.81	
	<i>For &gt;500, Deduct</i>	-8.28	
06 05 23 00-0195	EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	20.39	
	<i>For &gt;10 To 50, Deduct</i>	-0.80	
	<i>For &gt;50 To 100, Deduct</i>	-1.70	
	<i>For &gt;100 To 250, Deduct</i>	-3.40	
	<i>For &gt;250 To 500, Deduct</i>	-5.90	
	<i>For &gt;500, Deduct</i>	-8.40	
06 05 23 00-0196	EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	39.82	
	<i>For &gt;10 To 50, Deduct</i>	-0.95	
	<i>For &gt;50 To 100, Deduct</i>	-2.43	
	<i>For &gt;100 To 250, Deduct</i>	-4.85	
	<i>For &gt;250 To 500, Deduct</i>	-8.23	
	<i>For &gt;500, Deduct</i>	-11.61	
06 05 23 00-0197	EA 3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	55.09	
	<i>For &gt;10 To 50, Deduct</i>	-1.01	
	<i>For &gt;50 To 100, Deduct</i>	-2.89	
	<i>For &gt;100 To 250, Deduct</i>	-5.77	
	<i>For &gt;250 To 500, Deduct</i>	-9.67	
	<i>For &gt;500, Deduct</i>	-13.56	
06 05 23 00-0198	EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	20.55	
	<i>For &gt;10 To 50, Deduct</i>	-0.80	
	<i>For &gt;50 To 100, Deduct</i>	-1.72	
	<i>For &gt;100 To 250, Deduct</i>	-3.43	
	<i>For &gt;250 To 500, Deduct</i>	-5.95	
	<i>For &gt;500, Deduct</i>	-8.46	
06 05 23 00-0199	EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	24.04	
	<i>For &gt;10 To 50, Deduct</i>	-0.85	
	<i>For &gt;50 To 100, Deduct</i>	-1.88	
	<i>For &gt;100 To 250, Deduct</i>	-3.76	
	<i>For &gt;250 To 500, Deduct</i>	-6.50	
	<i>For &gt;500, Deduct</i>	-9.24	
06 05 23 00-0200	EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	29.32	
	<i>For &gt;10 To 50, Deduct</i>	-0.91	
	<i>For &gt;50 To 100, Deduct</i>	-2.09	
	<i>For &gt;100 To 250, Deduct</i>	-4.19	
	<i>For &gt;250 To 500, Deduct</i>	-7.19	
	<i>For &gt;500, Deduct</i>	-10.19	
06 05 23 00-0201	EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	58.54	
	<i>For &gt;10 To 50, Deduct</i>	-1.01	
	<i>For &gt;50 To 100, Deduct</i>	-2.98	
	<i>For &gt;100 To 250, Deduct</i>	-5.97	
	<i>For &gt;250 To 500, Deduct</i>	-9.97	
	<i>For &gt;500, Deduct</i>	-13.97	
06 05 23 00-0202	EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	79.17	
	<i>For &gt;10 To 50, Deduct</i>	-1.18	
	<i>For &gt;50 To 100, Deduct</i>	-3.74	
	<i>For &gt;100 To 250, Deduct</i>	-7.48	
	<i>For &gt;250 To 500, Deduct</i>	-12.40	
	<i>For &gt;500, Deduct</i>	-17.32	
06 05 23 00-0203	EA 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	92.24	
	<i>For &gt;10 To 50, Deduct</i>	-1.28	
	<i>For &gt;50 To 100, Deduct</i>	-4.23	
	<i>For &gt;100 To 250, Deduct</i>	-8.46	
	<i>For &gt;250 To 500, Deduct</i>	-13.97	
	<i>For &gt;500, Deduct</i>	-19.48	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0204 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	85.12	
<i>For &gt;10 To 50, Deduct</i>	-1.01	
<i>For &gt;50 To 100, Deduct</i>	-3.65	
<i>For &gt;100 To 250, Deduct</i>	-7.30	
<i>For &gt;250 To 500, Deduct</i>	-11.96	
<i>For &gt;500, Deduct</i>	-16.62	
06 05 23 00-0205 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	97.35	
<i>For &gt;10 To 50, Deduct</i>	-1.18	
<i>For &gt;50 To 100, Deduct</i>	-4.20	
<i>For &gt;100 To 250, Deduct</i>	-8.39	
<i>For &gt;250 To 500, Deduct</i>	-13.76	
<i>For &gt;500, Deduct</i>	-19.14	
06 05 23 00-0206 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	101.31	
<i>For &gt;10 To 50, Deduct</i>	-1.23	
<i>For &gt;50 To 100, Deduct</i>	-4.37	
<i>For &gt;100 To 250, Deduct</i>	-8.75	
<i>For &gt;250 To 500, Deduct</i>	-14.35	
<i>For &gt;500, Deduct</i>	-19.96	
06 05 23 00-0207 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	139.45	
<i>For &gt;10 To 50, Deduct</i>	-1.34	
<i>For &gt;50 To 100, Deduct</i>	-5.49	
<i>For &gt;100 To 250, Deduct</i>	-10.98	
<i>For &gt;250 To 500, Deduct</i>	-17.80	
<i>For &gt;500, Deduct</i>	-24.63	
06 05 23 00-0208 EA 3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	151.98	
<i>For &gt;10 To 50, Deduct</i>	-1.39	
<i>For &gt;50 To 100, Deduct</i>	-5.88	
<i>For &gt;100 To 250, Deduct</i>	-11.76	
<i>For &gt;250 To 500, Deduct</i>	-19.03	
<i>For &gt;500, Deduct</i>	-26.30	
<b>06 05 23 00-0209 Stainless Steel Screws</b> <small>(06 05 23 00-0070)</small>		
06 05 23 00-0210 EA #8 x 1-1/2" Stainless Steel Screw.....	2.15	
06 05 23 00-0211 EA #9 x 1-1/2" Stainless Steel Screw.....	2.18	
06 05 23 00-0212 EA #10 x 1-1/2" Stainless Steel Screw.....	2.24	
06 05 23 00-0213 EA #12 x 1-1/2" Stainless Steel Screw.....	2.42	
<b>06 05 23 00-0214 Galvanized Steel Screws</b> <small>(06 05 23 00-0070)</small>		
06 05 23 00-0215 EA #8 x 1-1/2" Galvanized Steel Screw.....	1.99	
06 05 23 00-0216 EA #9 x 1-1/2" Galvanized Steel Screw.....	2.02	
06 05 23 00-0217 EA #10 x 1-1/2" Galvanized Steel Screw.....	2.07	
06 05 23 00-0218 EA #12 x 1-1/2" Galvanized Steel Screw.....	2.22	
06 05 23 00-0219 EA #8 x 2-1/2" Galvanized Steel Screw.....	2.02	
06 05 23 00-0220 EA #9 x 2-1/2" Galvanized Steel Screw.....	2.05	
06 05 23 00-0221 EA #10 x 2-1/2" Galvanized Steel Screw.....	2.11	
06 05 23 00-0222 EA #12 x 2-1/2" Galvanized Steel Screw.....	2.30	
<b>06 05 23 00-0223 Timber Bolts</b> <small>(06 05 23 00-0070)</small>		
Note: Includes drilling of holes in any material.		
06 05 23 00-0224 EA 5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914) .....	35.33	
<i>For &gt;10 To 50, Deduct</i>	-1.13	
<i>For &gt;50 To 100, Deduct</i>	-2.58	
<i>For &gt;100 To 250, Deduct</i>	-5.16	
<i>For &gt;250 To 500, Deduct</i>	-8.86	
<i>For &gt;500, Deduct</i>	-12.57	
06 05 23 00-0225 EA 5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915) .....	39.94	
<i>For &gt;10 To 50, Deduct</i>	-1.26	
<i>For &gt;50 To 100, Deduct</i>	-2.89	
<i>For &gt;100 To 250, Deduct</i>	-5.79	
<i>For &gt;250 To 500, Deduct</i>	-9.95	
<i>For &gt;500, Deduct</i>	-14.11	
06 05 23 00-0226 EA 5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916) .....	43.17	
<i>For &gt;10 To 50, Deduct</i>	-1.35	
<i>For &gt;50 To 100, Deduct</i>	-3.10	
<i>For &gt;100 To 250, Deduct</i>	-6.20	
<i>For &gt;250 To 500, Deduct</i>	-10.64	
<i>For &gt;500, Deduct</i>	-15.09	
06 05 23 00-0227 EA 5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917) .....	48.22	
<i>For &gt;10 To 50, Deduct</i>	-1.42	
<i>For &gt;50 To 100, Deduct</i>	-3.34	
<i>For &gt;100 To 250, Deduct</i>	-6.68	
<i>For &gt;250 To 500, Deduct</i>	-11.44	
<i>For &gt;500, Deduct</i>	-16.21	
06 05 23 00-0228 EA 5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918) .....	51.35	
<i>For &gt;10 To 50, Deduct</i>	-1.50	
<i>For &gt;50 To 100, Deduct</i>	-3.53	
<i>For &gt;100 To 250, Deduct</i>	-7.07	
<i>For &gt;250 To 500, Deduct</i>	-12.10	
<i>For &gt;500, Deduct</i>	-17.14	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 05 23 00-0229	EA 5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919).....	53.31	
	For >10 To 50, Deduct	-1.57	
	For >50 To 100, Deduct	-3.68	
	For >100 To 250, Deduct	-7.36	
	For >250 To 500, Deduct	-12.61	
	For >500, Deduct	-17.86	
06 05 23 00-0230	EA 3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920).....	47.91	
	For >10 To 50, Deduct	-1.35	
	For >50 To 100, Deduct	-3.22	
	For >100 To 250, Deduct	-6.44	
	For >250 To 500, Deduct	-11.00	
	For >500, Deduct	-15.56	
06 05 23 00-0231	EA 3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921).....	50.12	
	For >10 To 50, Deduct	-1.40	
	For >50 To 100, Deduct	-3.35	
	For >100 To 250, Deduct	-6.71	
	For >250 To 500, Deduct	-11.46	
	For >500, Deduct	-16.22	
06 05 23 00-0232	EA 3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922).....	55.63	
	For >10 To 50, Deduct	-1.48	
	For >50 To 100, Deduct	-3.62	
	For >100 To 250, Deduct	-7.23	
	For >250 To 500, Deduct	-12.33	
	For >500, Deduct	-17.44	
06 05 23 00-0233	EA 3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923).....	59.77	
	For >10 To 50, Deduct	-1.56	
	For >50 To 100, Deduct	-3.84	
	For >100 To 250, Deduct	-7.67	
	For >250 To 500, Deduct	-13.07	
	For >500, Deduct	-18.46	
06 05 23 00-0234	EA 3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924).....	64.29	
	For >10 To 50, Deduct	-1.64	
	For >50 To 100, Deduct	-4.06	
	For >100 To 250, Deduct	-8.13	
	For >250 To 500, Deduct	-13.83	
	For >500, Deduct	-19.53	
06 05 23 00-0235	<b>Supports</b> (06 05 23)		
06 05 23 00-0236	<b>Shear Plates</b> (06 05 23 00-0235)		
06 05 23 00-0237	EA 2-5/8" Diameter, Shear Plate .....	16.77	4.03
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-1.10	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-3.75	
	For >500, Deduct	-5.31	
06 05 23 00-0238	EA 4" Diameter, Shear Plate .....	15.92	4.25
	For >10 To 50, Deduct	-0.47	
	For >50 To 100, Deduct	-1.11	
	For >100 To 250, Deduct	-2.22	
	For >250 To 500, Deduct	-3.80	
	For >500, Deduct	-5.38	
06 05 23 00-0239	<b>Sill Anchors</b> (06 05 23 00-0235)		
06 05 23 00-0240	EA Sill Anchor Embedded In Concrete .....	13.83	4.25
	For >10 To 50, Deduct	-0.47	
	For >50 To 100, Deduct	-1.06	
	For >100 To 250, Deduct	-2.11	
	For >250 To 500, Deduct	-3.64	
	For >500, Deduct	-5.17	
06 05 23 00-0241	<b>Spike Grids</b> (06 05 23 00-0235)		
06 05 23 00-0242	EA 3" x 6" Flat Or Curved Spike Grid .....	12.14	4.03
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-0.98	
	For >100 To 250, Deduct	-1.97	
	For >250 To 500, Deduct	-3.41	
	For >500, Deduct	-4.85	
06 05 23 00-0243	<b>Split Rings</b> (06 05 23 00-0235)		
06 05 23 00-0244	EA 2-1/2" Diameter Split Ring.....	17.03	4.03
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-1.11	
	For >100 To 250, Deduct	-2.21	
	For >250 To 500, Deduct	-3.77	
	For >500, Deduct	-5.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0245 EA 4" Diameter Split Ring.....	18.28	4.47
For >10 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.20	
For >100 To 250, Deduct	-2.40	
For >250 To 500, Deduct	-4.10	
For >500, Deduct	-5.79	
<b>06 05 23 00-0246 Toothed Rings</b> (06 05 23 00-0235)		
06 05 23 00-0247 EA 2-5/8" Or 4" Toothed Ring.....	13.06	4.03
For >10 To 50, Deduct	-0.45	
For >50 To 100, Deduct	-1.01	
For >100 To 250, Deduct	-2.02	
For >250 To 500, Deduct	-3.48	
For >500, Deduct	-4.94	
<b>06 05 23 00-0248 Straps And Shields</b> (06 05 23)		
<b>06 05 23 00-0249 Shield Plate</b> (06 05 23 00-0248)		
06 05 23 00-0250 EA 5" Wide x 8" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN58Z).....	8.35	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.97	
For >500, Deduct	-1.46	
06 05 23 00-0251 EA 5" Wide x 16" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN516Z).....	13.29	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.41	
For >100 To 250, Deduct	-0.83	
For >250 To 500, Deduct	-1.41	
For >500, Deduct	-2.08	
<b>06 05 23 00-0252 Strap Ties</b> (06 05 23 00-0248)		
06 05 23 00-0253 EA 1-1/4" Wide x 9" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA9).....	3.20	
For >10 To 50, Deduct	-0.05	
For >50 To 100, Deduct	-0.13	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.51	
For >500, Deduct	-0.82	
06 05 23 00-0254 EA 1-1/4" Wide x 12" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA12).....	3.29	
For >10 To 50, Deduct	-0.05	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.52	
For >500, Deduct	-0.83	
06 05 23 00-0255 EA 1-1/4" Wide x 15" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA15).....	4.21	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.66	
For >500, Deduct	-1.05	
06 05 23 00-0256 EA 1-1/4" Wide x 18" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA18).....	4.37	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.67	
For >500, Deduct	-1.06	
06 05 23 00-0257 EA 1-1/4" Wide x 21" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA21).....	4.54	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.68	
For >500, Deduct	-1.08	
06 05 23 00-0258 EA 1-1/4" Wide x 24" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA24).....	5.21	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.21	
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-0.80	
For >500, Deduct	-1.27	
06 05 23 00-0259 EA 1-1/4" Wide x 30" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA30).....	6.77	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.50	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.43	
06 05 23 00-0260 EA 1-1/4" Wide x 36" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA36).....	7.85	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.29	
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-1.07	
For >500, Deduct	-1.66	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 05 23 00-0261	EA 1-1/4" Wide x 9" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA9).....	3.55	
	For >10 To 50, Deduct	-0.05	
	For >50 To 100, Deduct	-0.14	
	For >100 To 250, Deduct	-0.29	
	For >250 To 500, Deduct	-0.54	
	For >500, Deduct	-0.85	
06 05 23 00-0262	EA 1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA12).....	3.68	
	For >10 To 50, Deduct	-0.05	
	For >50 To 100, Deduct	-0.15	
	For >100 To 250, Deduct	-0.29	
	For >250 To 500, Deduct	-0.55	
	For >500, Deduct	-0.87	
06 05 23 00-0263	EA 1-1/4" Wide x 15" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA15).....	4.70	
	For >10 To 50, Deduct	-0.07	
	For >50 To 100, Deduct	-0.19	
	For >100 To 250, Deduct	-0.37	
	For >250 To 500, Deduct	-0.69	
	For >500, Deduct	-1.10	
06 05 23 00-0264	EA 1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA18).....	4.90	
	For >10 To 50, Deduct	-0.07	
	For >50 To 100, Deduct	-0.19	
	For >100 To 250, Deduct	-0.38	
	For >250 To 500, Deduct	-0.71	
	For >500, Deduct	-1.12	
06 05 23 00-0265	EA 1-1/4" Wide x 21" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA21).....	5.00	
	For >10 To 50, Deduct	-0.07	
	For >50 To 100, Deduct	-0.19	
	For >100 To 250, Deduct	-0.39	
	For >250 To 500, Deduct	-0.72	
	For >500, Deduct	-1.13	
06 05 23 00-0266	EA 1-1/4" Wide x 24" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA24).....	5.71	
	For >10 To 50, Deduct	-0.08	
	For >50 To 100, Deduct	-0.22	
	For >100 To 250, Deduct	-0.45	
	For >250 To 500, Deduct	-0.84	
	For >500, Deduct	-1.32	
06 05 23 00-0267	EA 1-1/4" Wide x 30" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA30).....	7.10	
	For >10 To 50, Deduct	-0.08	
	For >50 To 100, Deduct	-0.26	
	For >100 To 250, Deduct	-0.52	
	For >250 To 500, Deduct	-0.94	
	For >500, Deduct	-1.46	
06 05 23 00-0268	EA 1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA36).....	7.86	
	For >10 To 50, Deduct	-0.10	
	For >50 To 100, Deduct	-0.29	
	For >100 To 250, Deduct	-0.58	
	For >250 To 500, Deduct	-1.07	
	For >500, Deduct	-1.66	
06 05 23 00-0269	EA 1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA49).....	12.42	
	For >10 To 50, Deduct	-0.11	
	For >50 To 100, Deduct	-0.42	
	For >100 To 250, Deduct	-0.84	
	For >250 To 500, Deduct	-1.48	
	For >500, Deduct	-2.24	
06 05 23 00-0270	EA 1-1/4" Wide x 9" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST9).....	4.20	
	For >10 To 50, Deduct	-0.05	
	For >50 To 100, Deduct	-0.16	
	For >100 To 250, Deduct	-0.32	
	For >250 To 500, Deduct	-0.59	
	For >500, Deduct	-0.92	
06 05 23 00-0271	EA 1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST12).....	4.21	
	For >10 To 50, Deduct	-0.05	
	For >50 To 100, Deduct	-0.16	
	For >100 To 250, Deduct	-0.32	
	For >250 To 500, Deduct	-0.59	
	For >500, Deduct	-0.92	
06 05 23 00-0272	EA 1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST18).....	5.13	
	For >10 To 50, Deduct	-0.07	
	For >50 To 100, Deduct	-0.20	
	For >100 To 250, Deduct	-0.39	
	For >250 To 500, Deduct	-0.73	
	For >500, Deduct	-1.14	
06 05 23 00-0273	EA 1-1/4" Wide x 22" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST22).....	7.10	
	For >10 To 50, Deduct	-0.08	
	For >50 To 100, Deduct	-0.26	
	For >100 To 250, Deduct	-0.52	
	For >250 To 500, Deduct	-0.94	
	For >500, Deduct	-1.46	
06 05 23 00-0274	EA 1-3/8" Wide x 6" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS6).....	6.06	
	For >10 To 50, Deduct	-0.05	
	For >50 To 100, Deduct	-0.21	
	For >100 To 250, Deduct	-0.41	
	For >250 To 500, Deduct	-0.73	
	For >500, Deduct	-1.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0275 EA 1-3/8" Wide x 8" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS8) .....	6.68	
<i>For &gt;10 To 50, Deduct</i>	-0.05	
<i>For &gt;50 To 100, Deduct</i>	-0.22	
<i>For &gt;100 To 250, Deduct</i>	-0.44	
<i>For &gt;250 To 500, Deduct</i>	-0.77	
<i>For &gt;500, Deduct</i>	-1.17	
06 05 23 00-0276 EA 1-3/8" Wide x 12" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS12) .....	8.78	
<i>For &gt;10 To 50, Deduct</i>	-0.07	
<i>For &gt;50 To 100, Deduct</i>	-0.29	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-1.00	
<i>For &gt;500, Deduct</i>	-1.51	
06 05 23 00-0277 EA 2-1/16" Wide x 27" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST27) .....	13.06	
<i>For &gt;10 To 50, Deduct</i>	-0.08	
<i>For &gt;50 To 100, Deduct</i>	-0.41	
<i>For &gt;100 To 250, Deduct</i>	-0.82	
<i>For &gt;250 To 500, Deduct</i>	-1.39	
<i>For &gt;500, Deduct</i>	-2.06	
06 05 23 00-0278 EA 2-1/16" Wide x 37" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST37) .....	16.28	
<i>For &gt;10 To 50, Deduct</i>	-0.10	
<i>For &gt;50 To 100, Deduct</i>	-0.50	
<i>For &gt;100 To 250, Deduct</i>	-1.01	
<i>For &gt;250 To 500, Deduct</i>	-1.70	
<i>For &gt;500, Deduct</i>	-2.51	
06 05 23 00-0279 EA 2-1/16" Wide x 48" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST48) .....	24.09	
<i>For &gt;10 To 50, Deduct</i>	-0.11	
<i>For &gt;50 To 100, Deduct</i>	-0.71	
<i>For &gt;100 To 250, Deduct</i>	-1.42	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-3.41	
06 05 23 00-0280 EA 2-1/16" Wide x 60" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST60) .....	41.95	
<i>For &gt;10 To 50, Deduct</i>	-0.12	
<i>For &gt;50 To 100, Deduct</i>	-1.17	
<i>For &gt;100 To 250, Deduct</i>	-2.34	
<i>For &gt;250 To 500, Deduct</i>	-3.76	
<i>For &gt;500, Deduct</i>	-5.32	
06 05 23 00-0281 EA 2-1/16" Wide x 72" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST72) .....	54.08	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-1.49	
<i>For &gt;100 To 250, Deduct</i>	-2.98	
<i>For &gt;250 To 500, Deduct</i>	-4.74	
<i>For &gt;500, Deduct</i>	-6.66	
06 05 23 00-0282 EA 3" Wide x 28-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC28).....	15.58	
<i>For &gt;10 To 50, Deduct</i>	-0.08	
<i>For &gt;50 To 100, Deduct</i>	-0.47	
<i>For &gt;100 To 250, Deduct</i>	-0.94	
<i>For &gt;250 To 500, Deduct</i>	-1.58	
<i>For &gt;500, Deduct</i>	-2.31	
06 05 23 00-0283 EA 3" Wide x 40-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC40).....	20.12	
<i>For &gt;10 To 50, Deduct</i>	-0.10	
<i>For &gt;50 To 100, Deduct</i>	-0.60	
<i>For &gt;100 To 250, Deduct</i>	-1.20	
<i>For &gt;250 To 500, Deduct</i>	-1.99	
<i>For &gt;500, Deduct</i>	-2.89	
06 05 23 00-0284 EA 3" Wide x 52-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC52).....	23.49	
<i>For &gt;10 To 50, Deduct</i>	-0.11	
<i>For &gt;50 To 100, Deduct</i>	-0.70	
<i>For &gt;100 To 250, Deduct</i>	-1.39	
<i>For &gt;250 To 500, Deduct</i>	-2.31	
<i>For &gt;500, Deduct</i>	-3.35	
06 05 23 00-0285 EA 3" Wide x 66-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC66).....	35.76	
<i>For &gt;10 To 50, Deduct</i>	-0.12	
<i>For &gt;50 To 100, Deduct</i>	-1.02	
<i>For &gt;100 To 250, Deduct</i>	-2.03	
<i>For &gt;250 To 500, Deduct</i>	-3.29	
<i>For &gt;500, Deduct</i>	-4.70	
<b>06 05 23 00-0286 Twist Strap Ties</b> <small>(06 05 23 00-0248)</small>		
06 05 23 00-0287 EA 1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS12).....	3.75	
<i>For &gt;10 To 50, Deduct</i>	-0.05	
<i>For &gt;50 To 100, Deduct</i>	-0.15	
<i>For &gt;100 To 250, Deduct</i>	-0.30	
<i>For &gt;250 To 500, Deduct</i>	-0.55	
<i>For &gt;500, Deduct</i>	-0.87	
06 05 23 00-0288 EA 1-1/4" Wide x 16" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS16).....	4.72	
<i>For &gt;10 To 50, Deduct</i>	-0.06	
<i>For &gt;50 To 100, Deduct</i>	-0.18	
<i>For &gt;100 To 250, Deduct</i>	-0.36	
<i>For &gt;250 To 500, Deduct</i>	-0.66	
<i>For &gt;500, Deduct</i>	-1.04	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 05 23 00-0289	EA 1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS18) .....	5.45	
	For >10 To 50, Deduct	-0.07	
	For >50 To 100, Deduct	-0.20	
	For >100 To 250, Deduct	-0.41	
	For >250 To 500, Deduct	-0.75	
	For >500, Deduct	-1.17	
06 05 23 00-0290	EA 1-1/4" Wide x 20" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS20) .....	5.90	
	For >10 To 50, Deduct	-0.08	
	For >50 To 100, Deduct	-0.22	
	For >100 To 250, Deduct	-0.45	
	For >250 To 500, Deduct	-0.82	
	For >500, Deduct	-1.28	
06 05 23 00-0291	EA 1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS12) .....	3.71	
	For >10 To 50, Deduct	-0.05	
	For >50 To 100, Deduct	-0.15	
	For >100 To 250, Deduct	-0.29	
	For >250 To 500, Deduct	-0.55	
	For >500, Deduct	-0.87	
06 05 23 00-0292	EA 1-1/4" Wide x 16" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS16) .....	4.80	
	For >10 To 50, Deduct	-0.06	
	For >50 To 100, Deduct	-0.18	
	For >100 To 250, Deduct	-0.36	
	For >250 To 500, Deduct	-0.67	
	For >500, Deduct	-1.04	
06 05 23 00-0293	EA 1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS18) .....	5.59	
	For >10 To 50, Deduct	-0.07	
	For >50 To 100, Deduct	-0.21	
	For >100 To 250, Deduct	-0.42	
	For >250 To 500, Deduct	-0.76	
	For >500, Deduct	-1.19	
06 05 23 00-0294	EA 1-1/4" Wide x 20" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS20) .....	5.95	
	For >10 To 50, Deduct	-0.08	
	For >50 To 100, Deduct	-0.22	
	For >100 To 250, Deduct	-0.45	
	For >250 To 500, Deduct	-0.82	
	For >500, Deduct	-1.29	
06 05 23 00-0295	EA 1-1/4" Wide x 24" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS24) .....	8.14	
	For >10 To 50, Deduct	-0.08	
	For >50 To 100, Deduct	-0.29	
	For >100 To 250, Deduct	-0.57	
	For >250 To 500, Deduct	-1.02	
	For >500, Deduct	-1.57	
06 05 23 00-0296	EA 1-1/4" Wide x 16" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS16) .....	6.22	
	For >10 To 50, Deduct	-0.06	
	For >50 To 100, Deduct	-0.22	
	For >100 To 250, Deduct	-0.43	
	For >250 To 500, Deduct	-0.77	
	For >500, Deduct	-1.19	
06 05 23 00-0297	EA 1-1/4" Wide x 20" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS20) .....	7.45	
	For >10 To 50, Deduct	-0.08	
	For >50 To 100, Deduct	-0.26	
	For >100 To 250, Deduct	-0.52	
	For >250 To 500, Deduct	-0.93	
	For >500, Deduct	-1.44	
06 05 23 00-0298	EA 1-1/4" Wide x 24" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS24) .....	8.66	
	For >10 To 50, Deduct	-0.08	
	For >50 To 100, Deduct	-0.30	
	For >100 To 250, Deduct	-0.60	
	For >250 To 500, Deduct	-1.06	
	For >500, Deduct	-1.62	
<b>06 05 23 00-0299</b>	<b>Retrofit Plate Strap</b> <small>(06 05 23 00-0248)</small>		
06 05 23 00-0300	EA 1-3/8" Wide x 18-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS18) .....	6.23	
	For >10 To 50, Deduct	-0.07	
	For >50 To 100, Deduct	-0.22	
	For >100 To 250, Deduct	-0.45	
	For >250 To 500, Deduct	-0.81	
	For >500, Deduct	-1.25	
06 05 23 00-0301	EA 1-3/8" Wide x 22-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS22) .....	7.13	
	For >10 To 50, Deduct	-0.07	
	For >50 To 100, Deduct	-0.25	
	For >100 To 250, Deduct	-0.49	
	For >250 To 500, Deduct	-0.88	
	For >500, Deduct	-1.34	
06 05 23 00-0302	EA 1-3/8" Wide x 28-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS28) .....	8.56	
	For >10 To 50, Deduct	-0.07	
	For >50 To 100, Deduct	-0.28	
	For >100 To 250, Deduct	-0.56	
	For >250 To 500, Deduct	-0.98	
	For >500, Deduct	-1.48	

06 05 23 00-0303 Stud Shoe (06 05 23 00-0248)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0304 EA 6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS1.5).....	10.66	
<i>For &gt;10 To 50, Deduct</i>	-0.08	
<i>For &gt;50 To 100, Deduct</i>	-0.35	
<i>For &gt;100 To 250, Deduct</i>	-0.70	
<i>For &gt;250 To 500, Deduct</i>	-1.21	
<i>For &gt;500, Deduct</i>	-1.82	
06 05 23 00-0305 EA 6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS2.5).....	21.17	
<i>For &gt;10 To 50, Deduct</i>	-0.08	
<i>For &gt;50 To 100, Deduct</i>	-0.61	
<i>For &gt;100 To 250, Deduct</i>	-1.22	
<i>For &gt;250 To 500, Deduct</i>	-2.00	
<i>For &gt;500, Deduct</i>	-2.87	
06 05 23 00-0306 EA 6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS3).....	21.27	
<i>For &gt;10 To 50, Deduct</i>	-0.08	
<i>For &gt;50 To 100, Deduct</i>	-0.61	
<i>For &gt;100 To 250, Deduct</i>	-1.23	
<i>For &gt;250 To 500, Deduct</i>	-2.00	
<i>For &gt;500, Deduct</i>	-2.88	
06 05 23 00-0307 EA 6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS4.5).....	28.58	
<i>For &gt;10 To 50, Deduct</i>	-0.08	
<i>For &gt;50 To 100, Deduct</i>	-0.80	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.61	
06 05 23 00-0308 EA 7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2- SDS1.5).....	26.84	
<i>For &gt;10 To 50, Deduct</i>	-0.08	
<i>For &gt;50 To 100, Deduct</i>	-0.75	
<i>For &gt;100 To 250, Deduct</i>	-1.51	
<i>For &gt;250 To 500, Deduct</i>	-2.42	
<i>For &gt;500, Deduct</i>	-3.44	
06 05 23 00-0309 EA 7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie HSS2- 2-SDS3).....	29.09	
<i>For &gt;10 To 50, Deduct</i>	-0.08	
<i>For &gt;50 To 100, Deduct</i>	-0.81	
<i>For &gt;100 To 250, Deduct</i>	-1.62	
<i>For &gt;250 To 500, Deduct</i>	-2.59	
<i>For &gt;500, Deduct</i>	-3.66	
06 05 23 00-0310 EA 7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-3-SDS3).....	30.81	
<i>For &gt;10 To 50, Deduct</i>	-0.08	
<i>For &gt;50 To 100, Deduct</i>	-0.85	
<i>For &gt;100 To 250, Deduct</i>	-1.70	
<i>For &gt;250 To 500, Deduct</i>	-2.72	
<i>For &gt;500, Deduct</i>	-3.83	
06 05 23 00-0311 EA 7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS4- SDS3).....	46.66	
<i>For &gt;10 To 50, Deduct</i>	-0.08	
<i>For &gt;50 To 100, Deduct</i>	-1.25	
<i>For &gt;100 To 250, Deduct</i>	-2.50	
<i>For &gt;250 To 500, Deduct</i>	-3.91	
<i>For &gt;500, Deduct</i>	-5.42	
<b>06 05 23 00-0312 Nail Stops</b> <small>(06 05 23 00-0248)</small>		
06 05 23 00-0313 EA 1-1/2" Wide x 3" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS1).....	2.94	
<i>For &gt;10 To 50, Deduct</i>	-0.05	
<i>For &gt;50 To 100, Deduct</i>	-0.13	
<i>For &gt;100 To 250, Deduct</i>	-0.26	
<i>For &gt;250 To 500, Deduct</i>	-0.49	
<i>For &gt;500, Deduct</i>	-0.79	
06 05 23 00-0314 EA 1-1/2" Wide x 6" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS2).....	3.08	
<i>For &gt;10 To 50, Deduct</i>	-0.05	
<i>For &gt;50 To 100, Deduct</i>	-0.13	
<i>For &gt;100 To 250, Deduct</i>	-0.26	
<i>For &gt;250 To 500, Deduct</i>	-0.50	
<i>For &gt;500, Deduct</i>	-0.81	
<b>06 05 73 Wood Treatment</b> <small>(06 05)</small>		
<b>06 05 73 13 Fire-Retardant Wood Treatment</b> <small>(06 05 73)</small>		
06 05 73 13-0001 Preservative Treated Lumber <small>(06 05 73 13)</small>		
06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber <small>(06 05 73 13-0001)</small>		
06 05 73 13-0003 MBF Fire Retardant Treatment (FRT) For Lumber.....	742.35	
<b>06 05 73 33 Preservative Wood Treatment</b> <small>(06 05 73)</small>		
06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses <small>(06 05 73 33)</small>		
06 05 73 33-0002 MBF Preservative Treatment For Marine And Fresh Water Lumber.....	175.08	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 05 73 Wood Treatment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**06 10 Rough Carpentry** (06)**06 11 Wood Framing** (06 10)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

**06 11 13 Engineered Wood Products** (06 11)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

**06 11 13 00-0001 Built-Up Members** (06 11 13)

Note: A structural framing member made from fastening separate pieces of lumber together.

**06 11 13 00-0002 Built-Up Beams Or Joists** (06 11 13 00-0001)

06 11 13 00-0003	LF	Two 2" x 6" Built-up Wood Beam Or Joist.....	5.01	1.87
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	<i>1.08</i>	
06 11 13 00-0004	LF	Two 2" x 8" Built-up Wood Beam Or Joist.....	6.34	2.20
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	<i>1.53</i>	
06 11 13 00-0005	LF	Two 2" x 10" Built-up Wood Beam Or Joist.....	8.20	2.63
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	<i>2.13</i>	

**06 11 13 00-0006 Built-Up Posts** (06 11 13 00-0001)

06 11 13 00-0007	LF	Two 2" x 6" Built-up Wood Post.....	5.01	1.87
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	<i>1.08</i>	
06 11 13 00-0008	LF	Two 2" x 8" Built-up Wood Post.....	6.34	2.20
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	<i>1.53</i>	
06 11 13 00-0009	LF	Two 2" x 10" Built-up Wood Post.....	8.20	2.63
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	<i>2.13</i>	

**06 11 16 Mechanically Graded Lumber** (06 11)**06 11 16 00-0001 Rafters And Joists** (06 11 16)**06 11 16 00-0002 Rafters** (06 11 16 00-0001)

Note: An inclined roof framing member to which a roof covering is attached.

06 11 16 00-0003	LF	2" x 6" Wood Rafter .....	2.84	1.32
06 11 16 00-0004	LF	2" x 8" Wood Rafter .....	3.40	1.42
06 11 16 00-0005	LF	2" x 10" Wood Rafter .....	4.86	2.08
06 11 16 00-0006	LF	2" x 12" Wood Rafter .....	5.64	2.31
06 11 16 00-0007	LF	2" x 14" Wood Rafter .....	6.14	2.52
06 11 16 00-0008	LF	2" x 6" Pressure Treated Wood Rafter.....	2.93	1.32
06 11 16 00-0009	LF	2" x 8" Pressure Treated Wood Rafter.....	3.52	1.42
06 11 16 00-0010	LF	2" x 10" Pressure Treated Wood Rafter.....	4.78	2.08
06 11 16 00-0011	LF	2" x 12" Pressure Treated Wood Rafter.....	5.73	2.31

**06 11 16 00-0012 Joists** (06 11 16 00-0001)

Note: A series of parallel beams to support floors or ceilings.

06 11 16 00-0013	LF	2" x 6" Wood Floor Joist.....	2.50	1.10
06 11 16 00-0014	LF	2" x 8" Wood Floor Joist.....	3.18	1.21
06 11 16 00-0015	LF	2" x 10" Wood Floor Joist.....	4.09	1.53
06 11 16 00-0016	LF	2" x 12" Wood Floor Joist.....	4.88	1.76
06 11 16 00-0017	LF	2" x 14" Wood Floor Joist.....	5.37	1.87
06 11 16 00-0018	LF	2" x 6" Pressure Treated Wood Floor Joist.....	2.59	1.10
06 11 16 00-0019	LF	2" x 8" Pressure Treated Wood Floor Joist.....	3.30	1.21
06 11 16 00-0020	LF	2" x 10" Pressure Treated Wood Floor Joist.....	4.01	1.53
06 11 16 00-0021	LF	2" x 12" Pressure Treated Wood Floor Joist.....	4.97	1.76

**06 11 16 00-0022 Purlins** (06 11 16 00-0001)

Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.

06 11 16 00-0023	LF	2" x 4" Wood Purlin.....	1.96	0.66
06 11 16 00-0024	LF	2" x 6" Wood Purlin.....	2.53	0.72
06 11 16 00-0025	LF	2" x 8" Wood Purlin.....	3.13	0.80
06 11 16 00-0026	LF	2" x 10" Wood Purlin.....	3.88	0.87
06 11 16 00-0027	LF	2" x 4" Pressure Treated Wood Purlin.....	2.02	0.66
06 11 16 00-0028	LF	2" x 6" Pressure Treated Wood Purlin.....	2.62	0.72
06 11 16 00-0029	LF	2" x 8" Pressure Treated Wood Purlin.....	3.25	0.80
06 11 16 00-0030	LF	2" x 10" Pressure Treated Wood Purlin.....	3.80	0.87

**06 11 16 00-0031 Exposed Rafters Or Joists** (06 11 16 00-0001)**06 11 16 00-0032 Redwood Rafters Or Joists** (06 11 16 00-0031)

06 11 16 00-0033	LF	2" x 6" Redwood Rafter Or Joist .....	4.08	1.10
06 11 16 00-0034	LF	2" x 8" Redwood Rafter Or Joist .....	5.01	1.21
06 11 16 00-0035	LF	2" x 10" Redwood Rafter Or Joist .....	6.27	1.53
06 11 16 00-0036	LF	2" x 12" Redwood Rafter Or Joist .....	7.64	1.76

**06 11 16 00-0037 Cedar Rafters Or Joists** (06 11 16 00-0031)





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0038 LF 2" x 6" Cedar Rafter Or Joist.....	2.51	1.10
06 11 16 00-0039 LF 2" x 8" Cedar Rafter Or Joist.....	2.81	1.21
06 11 16 00-0040 LF 2" x 10" Cedar Rafter Or Joist.....	3.20	1.53
06 11 16 00-0041 LF 2" x 12" Cedar Rafter Or Joist.....	3.61	1.76
<b>06 11 16 00-0042 Oak Rafters Or Joists</b> (06 11 16 00-0031)		
06 11 16 00-0043 LF 2" x 6" Oak Rafter Or Joist.....	3.15	1.10
06 11 16 00-0044 LF 2" x 8" Oak Rafter Or Joist.....	4.44	1.21
06 11 16 00-0045 LF 2" x 10" Oak Rafter Or Joist.....	5.81	1.53
06 11 16 00-0046 LF 2" x 12" Oak Rafter Or Joist.....	7.20	1.76
<b>06 11 16 00-0047 Framing</b> (06 11 16)		
<b>06 11 16 00-0048 Partition Framing</b> (06 11 16 00-0047)		
06 11 16 00-0049 LF 2" x 4" Wood Stud Framing, For Partition Walls .....	1.90	0.87
06 11 16 00-0050 LF 2" x 6" Wood Stud Framing, For Partition Walls .....	2.40	0.94
06 11 16 00-0051 LF 2" x 8" Wood Stud Framing, For Partition Walls .....	2.90	0.99
06 11 16 00-0052 LF 2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls.....	1.96	0.87
06 11 16 00-0053 LF 2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls.....	2.49	0.94
06 11 16 00-0054 LF 2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls.....	3.02	0.99
<b>06 11 16 00-0055 Wall Framing Assemblies By The SF</b> (06 11 16 00-0047)		
Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		
<b>06 11 16 00-0056 Wall Framing By The SF, 12" On Center</b> (06 11 16 00-0055)		
06 11 16 00-0057 SF 2" x 4" Wood Wall Framing At 12" On Center.....	2.50	1.06
For Up To 200, Add	0.81	
For >200 To 500, Add	0.41	
06 11 16 00-0058 SF 2" x 6" Wood Wall Framing At 12" On Center.....	3.40	1.36
For Up To 200, Add	1.08	
For >200 To 500, Add	0.54	
06 11 16 00-0059 SF 2" x 8" Wood Wall Framing At 12" On Center.....	4.53	1.81
For Up To 200, Add	1.44	
For >200 To 500, Add	0.72	
<b>06 11 16 00-0060 Wall Framing By The SF, 16" On Center</b> (06 11 16 00-0055)		
06 11 16 00-0061 SF 2" x 4" Wood Wall Framing At 16" On Center.....	2.03	0.85
For Up To 200, Add	0.66	
For >200 To 500, Add	0.33	
06 11 16 00-0062 SF 2" x 6" Wood Wall Framing At 16" On Center.....	2.82	1.14
For Up To 200, Add	0.90	
For >200 To 500, Add	0.45	
06 11 16 00-0063 SF 2" x 8" Wood Wall Framing At 16" On Center.....	3.77	1.51
For Up To 200, Add	1.20	
For >200 To 500, Add	0.60	
<b>06 11 16 00-0064 Wall Framing By The SF, 24" On Center</b> (06 11 16 00-0055)		
06 11 16 00-0065 SF 2" x 4" Wood Wall Framing At 24" On Center.....	1.61	0.67
For Up To 200, Add	0.52	
For >200 To 500, Add	0.26	
06 11 16 00-0066 SF 2" x 6" Wood Wall Framing At 24" On Center.....	2.21	0.88
For Up To 200, Add	0.70	
For >200 To 500, Add	0.35	
06 11 16 00-0067 SF 2" x 8" Wood Wall Framing At 24" On Center.....	2.95	1.18
For Up To 200, Add	0.94	
For >200 To 500, Add	0.47	
<b>06 11 16 00-0068 Sills And Plates</b> (06 11 16)		
<b>06 11 16 00-0069 Sills</b> (06 11 16 00-0068)		
Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0070 LF 2" x 4" Wood Sill .....	3.11	1.65
06 11 16 00-0071 LF 2" x 6" Wood Sill .....	3.82	1.87
06 11 16 00-0072 LF 2" x 8" Wood Sill .....	4.63	2.08
06 11 16 00-0073 LF 2" x 4" Pressure Treated Wood Sill.....	3.17	1.65
06 11 16 00-0074 LF 2" x 6" Pressure Treated Wood Sill.....	3.91	1.87
06 11 16 00-0075 LF 2" x 8" Pressure Treated Wood Sill.....	4.75	2.08
<b>06 11 16 00-0076 Plates</b> (06 11 16 00-0068)		
Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0077 LF 2" x 4" Wood Plate.....	3.11	1.65
06 11 16 00-0078 LF 2" x 6" Wood Plate.....	3.82	1.87
06 11 16 00-0079 LF 2" x 8" Wood Plate.....	4.60	2.08

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 11 Wood Framing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 11 16 00-0080	LF	2" x 4" Pressure Treated Wood Plate .....		3.17	1.65
06 11 16 00-0081	LF	2" x 6" Pressure Treated Wood Plate .....		3.91	1.87
06 11 16 00-0082	LF	2" x 8" Pressure Treated Wood Plate .....		4.72	2.08
<b>06 11 16 00-0083</b>		<b>Sills And Plates From Redwood</b> (06 11 16 00-0068)			
<b>06 11 16 00-0084</b>		<b>Construction Grade/Rough</b> (06 11 16 00-0083)			
06 11 16 00-0085	LF	2" x 6" Redwood, Construction Grade/Rough.....		5.87	1.87
06 11 16 00-0086	LF	2" x 8" Redwood, Construction Grade/Rough.....		7.88	2.08
06 11 16 00-0087	LF	2" x 10" Redwood, Construction Grade/Rough.....		9.58	2.31
06 11 16 00-0088	LF	2" x 12" Redwood, Construction Grade/Rough.....		11.56	2.52
<b>06 11 16 00-0089</b>		<b>Con Heart/Smooth</b> (06 11 16 00-0083)			
06 11 16 00-0090	LF	2" x 6" Redwood, Con Heart/Smooth.....		7.20	1.87
06 11 16 00-0091	LF	2" x 8" Redwood, Con Heart/Smooth.....		9.88	2.08
06 11 16 00-0092	LF	2" x 10" Redwood, Con Heart/Smooth.....		12.97	2.31
06 11 16 00-0093	LF	2" x 12" Redwood, Con Heart/Smooth.....		15.59	2.52
<b>06 11 16 00-0094</b>		<b>Suspended Ceiling Framing</b> (06 11 16)			
06 11 16 00-0095	LF	1" x 2" Wood Suspended Ceiling Framing.....		2.49	1.42
06 11 16 00-0096	LF	1" x 3" Wood Suspended Ceiling Framing.....		2.75	1.53
06 11 16 00-0097	LF	1" x 4" Wood Suspended Ceiling Framing.....		2.89	1.65
06 11 16 00-0098	LF	2" x 2" Wood Suspended Ceiling Framing.....		3.01	1.65
06 11 16 00-0099	LF	2" x 4" Wood Suspended Ceiling Framing.....		3.57	1.87
06 11 16 00-0100	LF	1" x 2" Pressure Treated Wood Suspended Ceiling Framing.....		2.62	1.42
06 11 16 00-0101	LF	1" x 3" Pressure Treated Wood Suspended Ceiling Framing.....		2.77	1.53
06 11 16 00-0102	LF	1" x 4" Pressure Treated Wood Suspended Ceiling Framing.....		2.97	1.65
06 11 16 00-0103	LF	2" x 2" Pressure Treated Wood Suspended Ceiling Framing.....		3.05	1.65
06 11 16 00-0104	LF	2" x 4" Pressure Treated Wood Suspended Ceiling Framing.....		3.56	1.87
<b>06 11 16 00-0105</b>		<b>Posts And Girts</b> (06 11 16)			
<b>06 11 16 00-0106</b>		<b>Posts</b> (06 11 16 00-0105) Note: A vertical, upright framing member.			
06 11 16 00-0107	LF	4" x 4" Wood Post.....		4.71	2.08
06 11 16 00-0108	LF	4" x 5" Wood Post.....		5.39	2.42
06 11 16 00-0109	LF	4" x 6" Wood Post.....		5.93	2.63
06 11 16 00-0110	LF	6" x 6" Wood Post.....		6.61	2.86
06 11 16 00-0111	LF	8" x 8" Wood Post.....		7.29	2.97
06 11 16 00-0112	LF	10" x 10" Wood Post.....		7.97	3.41
06 11 16 00-0113	LF	4" x 4" Pressure Treated Wood Post.....		5.76	2.08
06 11 16 00-0114	LF	3" x 6" Pressure Treated Wood Post.....		6.64	2.63
06 11 16 00-0115	LF	4" x 6" Pressure Treated Wood Post.....		8.11	2.63
06 11 16 00-0116	LF	6" x 6" Pressure Treated Wood Post.....		11.36	2.86
<b>06 11 16 00-0117</b>		<b>Girts</b> (06 11 16 00-0105) Note: A horizontal member at intermediate level between columns, studs, or posts.			
06 11 16 00-0118	LF	2" x 4" Wood Girt.....		2.22	0.79
06 11 16 00-0119	LF	2" x 6" Wood Girt.....		2.82	0.86
06 11 16 00-0120	LF	2" x 8" Wood Girt.....		3.44	0.96
06 11 16 00-0121	LF	2" x 10" Wood Girt.....		4.22	1.06
06 11 16 00-0122	LF	4" x 4" Wood Girt.....		4.52	1.58
06 11 16 00-0123	LF	4" x 5" Wood Girt.....		5.22	1.78
06 11 16 00-0124	LF	4" x 6" Wood Girt.....		5.89	1.97
06 11 16 00-0125	LF	6" x 6" Wood Girt.....		6.58	2.18
06 11 16 00-0126	LF	8" x 8" Wood Girt.....		7.26	2.37
06 11 16 00-0127	LF	10" x 10" Wood Girt.....		7.95	2.58
06 11 16 00-0128	LF	2" x 4" Pressure Treated Wood Girt.....		2.28	0.79
06 11 16 00-0129	LF	2" x 6" Pressure Treated Wood Girt.....		2.91	0.86
06 11 16 00-0130	LF	2" x 8" Pressure Treated Wood Girt.....		3.56	0.96
06 11 16 00-0131	LF	2" x 10" Pressure Treated Wood Girt.....		4.14	1.06
06 11 16 00-0132	LF	4" x 4" Pressure Treated Wood Girt.....		5.76	1.58
06 11 16 00-0133	LF	3" x 6" Pressure Treated Wood Girt.....		6.64	1.97
06 11 16 00-0134	LF	4" x 6" Pressure Treated Wood Girt.....		8.11	1.97
06 11 16 00-0135	LF	6" x 6" Pressure Treated Wood Girt.....		11.36	2.18
<b>06 11 16 00-0136</b>		<b>Construction Grade/Rough Redwood Posts</b> (06 11 16 00-0105)			
06 11 16 00-0137	LF	4" x 4" Redwood, Construction Grade/Rough Post.....		9.20	2.08
		For Smooth "Clear", Add		1.21	
06 11 16 00-0138	LF	4" x 5" Redwood, Construction Grade/Rough Post.....		11.09	2.42
		For Smooth "Clear", Add		1.51	
06 11 16 00-0139	LF	4" x 6" Redwood, Construction Grade/Rough Post.....		13.03	2.63
		For Smooth "Clear", Add		1.82	
06 11 16 00-0140	LF	4" x 8" Redwood, Construction Grade/Rough Post.....		16.22	2.71
		For Smooth "Clear", Add		2.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0141 LF 4" x 10" Redwood, Construction Grade/Rough Post..... <i>For Smooth "Clear", Add</i>	19.49 3.02	2.89
06 11 16 00-0142 LF 6" x 6" Redwood, Construction Grade/Rough Post..... <i>For Smooth "Clear", Add</i>	17.96 2.72	2.86
06 11 16 00-0143 LF 6" x 8" Redwood, Construction Grade/Rough Post..... <i>For Smooth "Clear", Add</i>	22.66 3.63	2.97
06 11 16 00-0144 LF 6" x 10" Redwood, Construction Grade/Rough Post..... <i>For Smooth "Clear", Add</i>	27.32 4.54	2.78
06 11 16 00-0145 LF 8" x 8" Redwood, Construction Grade/Rough Post..... <i>For Smooth "Clear", Add</i>	28.95 4.84	2.97
<b>06 11 16 00-0146 Stair Stringers</b> <small>(06 11 16)</small>		
06 11 16 00-0147 LF 2" x 10" Wood Stair Stringer .....	8.67	4.39
06 11 16 00-0148 LF 2" x 12" Wood Stair Stringer .....	10.28	5.16
06 11 16 00-0149 LF 2" x 10" Pressure Treated Wood Stair Stringer.....	8.63	4.39
06 11 16 00-0150 LF 2" x 12" Pressure Treated Wood Stair Stringer.....	10.34	5.16
<b>06 11 16 00-0151 Blocking And Sleepers</b> <small>(06 11 16)</small>		
<b>06 11 16 00-0152 Blocking</b> <small>(06 11 16 00-0151)</small>		
<b>06 11 16 00-0153 Blocking To Wood</b> <small>(06 11 16 00-0152)</small>		
06 11 16 00-0154 LF 2" x 4" Pressure Treated Wood Blocking To Wood .....	6.29	2.64
06 11 16 00-0155 LF 2" x 6" Pressure Treated Wood Blocking To Wood .....	7.49	2.90
06 11 16 00-0156 LF 2" x 8" Pressure Treated Wood Blocking To Wood .....	8.57	3.19
06 11 16 00-0157 LF 4" x 4" Pressure Treated Wood Blocking To Wood .....	9.95	3.50
06 11 16 00-0158 LF 4" x 6" Pressure Treated Wood Blocking To Wood .....	12.09	3.86
06 11 16 00-0159 LF 2" x 4" Wood Blocking To Wood .....	5.91	2.64
06 11 16 00-0160 LF 2" x 6" Wood Blocking To Wood .....	6.88	2.90
06 11 16 00-0161 LF 2" x 8" Wood Blocking To Wood .....	7.92	3.19
06 11 16 00-0162 LF 4" x 4" Wood Blocking To Wood .....	8.58	3.50
06 11 16 00-0163 LF 4" x 6" Wood Blocking To Wood .....	9.71	3.86
<b>06 11 16 00-0164 Blocking To Steel</b> <small>(06 11 16 00-0152)</small>		
06 11 16 00-0165 LF 2" x 4" Pressure Treated Wood Blocking To Steel.....	7.18	3.04
06 11 16 00-0166 LF 2" x 6" Pressure Treated Wood Blocking To Steel.....	8.53	3.34
06 11 16 00-0167 LF 2" x 8" Pressure Treated Wood Blocking To Steel.....	9.74	3.67
06 11 16 00-0168 LF 2" x 4" Wood Blocking To Steel .....	6.77	3.04
06 11 16 00-0169 LF 2" x 6" Wood Blocking To Steel .....	7.85	3.34
06 11 16 00-0170 LF 2" x 8" Wood Blocking To Steel .....	9.02	3.67
<b>06 11 16 00-0171 Blocking To Concrete</b> <small>(06 11 16 00-0152)</small>		
06 11 16 00-0172 LF 2" x 4" Pressure Treated Wood Blocking To Concrete .....	7.18	3.04
06 11 16 00-0173 LF 2" x 6" Pressure Treated Wood Blocking To Concrete .....	8.53	3.34
06 11 16 00-0174 LF 2" x 8" Pressure Treated Wood Blocking To Concrete .....	9.74	3.67
06 11 16 00-0175 LF 2" x 4" Wood Blocking To Concrete .....	6.77	3.04
06 11 16 00-0176 LF 2" x 6" Wood Blocking To Concrete .....	7.85	3.34
06 11 16 00-0177 LF 2" x 8" Wood Blocking To Concrete .....	9.02	3.67
<b>06 11 16 00-0178 Pressure Treated Lattice</b> <small>(06 11 16 00-0151)</small>		
06 11 16 00-0179 SF 3/4" Thick Pressure Treated Wood Lattice .....	7.77	2.31
<b>06 11 16 00-0180 Sleepers</b> <small>(06 11 16 00-0151)</small>		
<b>06 11 16 00-0181 Sleepers To Wood</b> <small>(06 11 16 00-0180)</small>		
06 11 16 00-0182 LF 1" x 2" Pressure Treated Wood Sleeper On Wood.....	1.19	0.39
06 11 16 00-0183 LF 1" x 3" Pressure Treated Wood Sleeper On Wood.....	1.33	0.44
06 11 16 00-0184 LF 1" x 4" Pressure Treated Wood Sleeper On Wood.....	1.61	0.50
06 11 16 00-0185 LF 2" x 4" Pressure Treated Wood Sleeper On Wood.....	2.23	0.61
06 11 16 00-0186 LF 2" x 6" Pressure Treated Wood Sleeper On Wood.....	3.01	0.66
<b>06 11 16 00-0187 Sleepers To Concrete</b> <small>(06 11 16 00-0180)</small>		
06 11 16 00-0188 LF 1" x 2" Pressure Treated Wood Sleeper On Concrete.....	1.23	0.39
06 11 16 00-0189 LF 1" x 3" Pressure Treated Wood Sleeper On Concrete.....	1.38	0.44
06 11 16 00-0190 LF 1" x 4" Pressure Treated Wood Sleeper On Concrete.....	1.67	0.50
06 11 16 00-0191 LF 2" x 4" Pressure Treated Wood Sleeper On Concrete.....	2.33	0.61
06 11 16 00-0192 LF 2" x 6" Pressure Treated Wood Sleeper On Concrete.....	3.18	0.66
<b>06 11 16 00-0193 Roofing Nailers</b> <small>(06 11 16)</small>		
06 11 16 00-0194 LF 2" x 4" Pressure Treated Lumber, For Roofing Nailers.....	3.22	0.87
06 11 16 00-0195 LF 2" x 6" Pressure Treated Lumber, For Roofing Nailers.....	3.80	0.94
06 11 16 00-0196 LF 2" x 8" Pressure Treated Lumber, For Roofing Nailers.....	4.39	0.99

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 11 Wood Framing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0197					<b>Roofing Sleepers</b> (06 11 16)		
06 11 16 00-0198	LF				2" x 4" Pressure Treated Lumber, For Roofing Sleepers .....	1.52	
06 11 16 00-0199	LF				4" x 4" Pressure Treated Lumber, For Roofing Sleepers .....	4.21	
06 11 16 00-0200	LF				4" x 6" Pressure Treated Lumber, For Roofing Sleepers .....	6.13	
06 11 16 00-0201	LF				6" x 6" Pressure Treated Lumber, For Roofing Sleepers .....	9.21	
06 11 16 00-0202					<b>Canopy Framing, Bridging, And Furring</b> (06 11 16)		
06 11 16 00-0203					<b>Wood And Steel Bridging</b> (06 11 16 00-0202)		
06 11 16 00-0204					<b>Wood Bridging</b> (06 11 16 00-0203)		
06 11 16 00-0205	EA				1 Pair Wood Bridging, 1" x 3" Cross Type .....	9.01	3.85
					Note: For joists spaced at 16" on center.		
06 11 16 00-0206	EA				1 Pair Wood Bridging, 2" x 3" Cross Type .....	9.36	3.85
					Note: For joists spaced at 16" on center.		
06 11 16 00-0207					<b>Steel Bridging</b> (06 11 16 00-0203)		
06 11 16 00-0208	EA				1 Pair Steel Bridging, Wood Joists At 16" On Center.....	10.85	3.85
06 11 16 00-0209	EA				1 Pair Steel Bridging, Wood Joists At 24" On Center.....	10.82	3.85
06 11 16 00-0210					<b>Light Framing, Trim And Furring</b> (06 11 16 00-0202)		
06 11 16 00-0211					<b>Pine/Spruce/Fir Light Framing, Trim And Furring</b> (06 11 16 00-0210)		
					Note: S4S board, select grade 1		
06 11 16 00-0212	LF				1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring .....	2.00	0.90
06 11 16 00-0213	LF				1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring .....	2.26	0.99
06 11 16 00-0214	LF				1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring .....	2.65	1.09
06 11 16 00-0215	LF				1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring .....	2.95	1.20
06 11 16 00-0216	LF				1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring .....	3.28	1.32
06 11 16 00-0217	LF				1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring .....	3.65	1.45
06 11 16 00-0218	LF				2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring .....	2.98	1.20
06 11 16 00-0219	LF				2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring .....	3.34	1.32
06 11 16 00-0220	LF				2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring .....	3.98	1.45
06 11 16 00-0221	LF				2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring .....	4.71	1.60
06 11 16 00-0222	LF				2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring .....	5.62	1.76
06 11 16 00-0223					<b>Cedar Light Framing, Trim And Furring</b> (06 11 16 00-0210)		
					Note: S4S board, select grade 1		
06 11 16 00-0224	LF				1" x 1" Cedar Light Framing, Trim And Furring .....	2.04	0.90
06 11 16 00-0225	LF				1" x 2" Cedar Light Framing, Trim And Furring .....	2.44	0.99
06 11 16 00-0226	LF				1" x 4" Cedar Light Framing, Trim And Furring .....	3.34	1.09
06 11 16 00-0227	LF				1" x 6" Cedar Light Framing, Trim And Furring .....	4.13	1.20
06 11 16 00-0228	LF				1" x 8" Cedar Light Framing, Trim And Furring .....	6.38	1.32
06 11 16 00-0229	LF				1" x 10" Cedar Light Framing, Trim And Furring .....	7.58	1.45
06 11 16 00-0230	LF				2" x 2" Cedar Light Framing, Trim And Furring .....	3.42	1.20
06 11 16 00-0231	LF				2" x 4" Cedar Light Framing, Trim And Furring .....	4.00	1.32
06 11 16 00-0232					<b>Oak Light Framing, Trim And Furring</b> (06 11 16 00-0210)		
					Note: S4S board, select grade 1		
06 11 16 00-0233	LF				1" x 1" Oak Light Framing, Trim And Furring .....	2.05	0.90
06 11 16 00-0234	LF				1" x 2" Oak Light Framing, Trim And Furring .....	2.46	0.99
06 11 16 00-0235	LF				1" x 4" Oak Light Framing, Trim And Furring .....	3.17	1.09
06 11 16 00-0236	LF				1" x 6" Oak Light Framing, Trim And Furring .....	3.87	1.20
06 11 16 00-0237	LF				1" x 8" Oak Light Framing, Trim And Furring .....	4.60	1.32
06 11 16 00-0238	LF				1" x 10" Oak Light Framing, Trim And Furring .....	5.37	1.45
06 11 16 00-0239	LF				2" x 2" Oak Light Framing, Trim And Furring .....	3.38	1.20
06 11 16 00-0240	LF				2" x 4" Oak Light Framing, Trim And Furring .....	4.61	1.32
06 11 16 00-0241					<b>Redwood Light Framing, Trim And Furring</b> (06 11 16 00-0210)		
					Note: S4S board, select grade 1		
06 11 16 00-0242	LF				1" x 1" Redwood Light Framing, Trim And Furring.....	1.97	0.90
06 11 16 00-0243	LF				1" x 2" Redwood Light Framing, Trim And Furring.....	2.33	0.99
06 11 16 00-0244	LF				1" x 4" Redwood Light Framing, Trim And Furring.....	2.93	1.09
06 11 16 00-0245	LF				1" x 6" Redwood Light Framing, Trim And Furring.....	3.58	1.20
06 11 16 00-0246	LF				1" x 8" Redwood Light Framing, Trim And Furring.....	4.30	1.32
06 11 16 00-0247	LF				1" x 10" Redwood Light Framing, Trim And Furring.....	5.09	1.45
06 11 16 00-0248	LF				2" x 2" Redwood Light Framing, Trim And Furring.....	3.60	1.20
06 11 16 00-0249	LF				2" x 4" Redwood Light Framing, Trim And Furring.....	4.32	1.32
06 11 16 00-0250					<b>Poplar Light Framing, Trim And Furring</b> (06 11 16 00-0210)		
					Note: S4S board, select grade 1		
06 11 16 00-0251	LF				1" x 1" Poplar Light Framing, Trim And Furring.....	2.39	0.90
06 11 16 00-0252	LF				1" x 2" Poplar Light Framing, Trim And Furring.....	2.98	0.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0253 LF 1" x 4" Poplar Light Framing, Trim And Furring .....	3.85	1.09
06 11 16 00-0254 LF 1" x 6" Poplar Light Framing, Trim And Furring .....	5.00	1.20
06 11 16 00-0255 LF 1" x 8" Poplar Light Framing, Trim And Furring .....	5.86	1.32
06 11 16 00-0256 LF 1" x 10" Poplar Light Framing, Trim And Furring .....	7.89	1.45
06 11 16 00-0257 LF 1" x 12" Poplar Light Framing, Trim And Furring .....	8.60	1.45
06 11 16 00-0258 LF 2" x 2" Poplar Light Framing, Trim And Furring .....	6.78	1.20
06 11 16 00-0259 LF 2" x 4" Poplar Light Framing, Trim And Furring .....	7.61	1.32
06 11 16 00-0260 LF 2" x 6" Poplar Light Framing, Trim And Furring .....	10.36	1.45
<b>06 11 16 00-0261 Maple Light Framing, Trim And Furring</b> (06 11 16 00-0210)		
Note: S4S board, select grade 1		
06 11 16 00-0262 LF 1" x 4" Maple Light Framing, Trim And Furring .....	4.96	1.09
06 11 16 00-0263 LF 1" x 6" Maple Light Framing, Trim And Furring .....	6.72	1.20
06 11 16 00-0264 LF 1" x 8" Maple Light Framing, Trim And Furring .....	8.53	1.32
<b>06 13 Heavy Timber Construction</b> (06 10)		
<b>06 13 23 Heavy Timber Framing</b> (06 13)		
<b>06 13 23 00-0001 Heavy Timber Framing</b> (06 13 23)		
Note: Excludes fasteners. See CSI section 06 05 23 00-0070 for bolts and fasteners.		
<b>06 13 23 00-0002 Heavy Timber Beams</b> (06 13 23 00-0001)		
<b>06 13 23 00-0003 Pine, Heavy Timber Beams</b> (06 13 23 00-0002)		
06 13 23 00-0004 LF 4" x 4", Pine, Heavy Timber Beam.....	6.77	1.95
06 13 23 00-0005 LF 4" x 6", Pine, Heavy Timber Beam.....	8.39	2.03
06 13 23 00-0006 LF 4" x 8", Pine, Heavy Timber Beam.....	9.99	2.11
06 13 23 00-0007 LF 4" x 10", Pine, Heavy Timber Beam.....	13.24	2.25
06 13 23 00-0008 LF 4" x 12", Pine, Heavy Timber Beam.....	15.90	2.39
06 13 23 00-0009 LF 6" x 6", Pine, Heavy Timber Beam.....	10.83	2.20
06 13 23 00-0010 LF 6" x 8", Pine, Heavy Timber Beam.....	13.18	2.31
06 13 23 00-0011 LF 6" x 10", Pine, Heavy Timber Beam.....	18.05	2.47
06 13 23 00-0012 LF 6" x 12", Pine, Heavy Timber Beam.....	21.71	2.52
06 13 23 00-0013 LF 8" x 8", Pine, Heavy Timber Beam.....	16.30	2.39
06 13 23 00-0014 LF 8" x 10", Pine, Heavy Timber Beam.....	22.42	2.47
06 13 23 00-0015 LF 8" x 12", Pine, Heavy Timber Beam.....	27.35	2.52
06 13 23 00-0016 LF 10" x 10", Pine, Heavy Timber Beam.....	27.01	2.52
06 13 23 00-0017 LF 10" x 12", Pine, Heavy Timber Beam.....	33.27	2.74
06 13 23 00-0018 LF 12" x 12", Pine, Heavy Timber Beam.....	39.36	3.02
<b>06 13 23 00-0019 Douglas Fir, Heavy Timber Beams</b> (06 13 23 00-0002)		
06 13 23 00-0020 LF 4" x 4", Douglas Fir, Heavy Timber Beam.....	7.06	1.95
06 13 23 00-0021 LF 4" x 6", Douglas Fir, Heavy Timber Beam.....	8.82	2.03
06 13 23 00-0022 LF 4" x 8", Douglas Fir, Heavy Timber Beam.....	10.57	2.11
06 13 23 00-0023 LF 4" x 10", Douglas Fir, Heavy Timber Beam.....	14.12	2.25
06 13 23 00-0024 LF 4" x 12", Douglas Fir, Heavy Timber Beam.....	16.99	2.39
06 13 23 00-0025 LF 6" x 6", Douglas Fir, Heavy Timber Beam.....	11.47	2.20
06 13 23 00-0026 LF 6" x 8", Douglas Fir, Heavy Timber Beam.....	14.03	2.31
06 13 23 00-0027 LF 6" x 10", Douglas Fir, Heavy Timber Beam.....	19.35	2.47
06 13 23 00-0028 LF 6" x 12", Douglas Fir, Heavy Timber Beam.....	23.38	2.52
06 13 23 00-0029 LF 8" x 8", Douglas Fir, Heavy Timber Beam.....	17.44	2.39
06 13 23 00-0030 LF 8" x 10", Douglas Fir, Heavy Timber Beam.....	24.17	2.47
06 13 23 00-0031 LF 8" x 12", Douglas Fir, Heavy Timber Beam.....	29.57	2.52
06 13 23 00-0032 LF 10" x 10", Douglas Fir, Heavy Timber Beam.....	29.18	2.52
06 13 23 00-0033 LF 10" x 12", Douglas Fir, Heavy Timber Beam.....	36.01	2.74
06 13 23 00-0034 LF 12" x 12", Douglas Fir, Heavy Timber Beam.....	42.68	3.02
<b>06 13 23 00-0035 Pressure Treated, Heavy Timber Beams</b> (06 13 23 00-0002)		
06 13 23 00-0036 LF 4" x 4", Pressure Treated, Heavy Timber Beam .....	6.50	1.95
06 13 23 00-0037 LF 4" x 6", Pressure Treated, Heavy Timber Beam .....	8.23	2.03
06 13 23 00-0038 LF 4" x 8", Pressure Treated, Heavy Timber Beam .....	9.71	2.11
06 13 23 00-0039 LF 4" x 10", Pressure Treated, Heavy Timber Beam .....	12.81	2.25
06 13 23 00-0040 LF 4" x 12", Pressure Treated, Heavy Timber Beam .....	15.34	2.39
06 13 23 00-0041 LF 6" x 6", Pressure Treated, Heavy Timber Beam .....	11.36	2.20
06 13 23 00-0042 LF 6" x 8", Pressure Treated, Heavy Timber Beam .....	13.92	2.31
06 13 23 00-0043 LF 6" x 10", Pressure Treated, Heavy Timber Beam .....	16.70	2.47
06 13 23 00-0044 LF 6" x 12", Pressure Treated, Heavy Timber Beam .....	20.49	2.52
06 13 23 00-0045 LF 8" x 8", Pressure Treated, Heavy Timber Beam .....	20.69	2.39
06 13 23 00-0046 LF 8" x 10", Pressure Treated, Heavy Timber Beam .....	24.04	2.47
06 13 23 00-0047 LF 8" x 12", Pressure Treated, Heavy Timber Beam .....	28.30	2.52
06 13 23 00-0048 LF 10" x 10", Pressure Treated, Heavy Timber Beam .....	28.43	2.52
06 13 23 00-0049 LF 10" x 12", Pressure Treated, Heavy Timber Beam .....	37.62	2.74
06 13 23 00-0050 LF 12" x 12", Pressure Treated, Heavy Timber Beam .....	44.61	3.02
<b>06 13 23 00-0051 Heavy Timber Columns</b> (06 13 23 00-0001)		

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 13 Heavy Timber Construction**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0052			<b>Pine, Heavy Timber Columns</b> (06 13 23 00-0051)		
06 13 23 00-0053	LF		4" x 4", Pine, Heavy Timber Column.....	4.93	1.03
06 13 23 00-0054	LF		4" x 6", Pine, Heavy Timber Column.....	6.49	1.09
06 13 23 00-0055	LF		4" x 8", Pine, Heavy Timber Column.....	7.99	1.11
06 13 23 00-0056	LF		4" x 10", Pine, Heavy Timber Column.....	11.11	1.19
06 13 23 00-0057	LF		4" x 12", Pine, Heavy Timber Column.....	13.63	1.26
06 13 23 00-0058	LF		6" x 6", Pine, Heavy Timber Column.....	8.77	1.15
06 13 23 00-0059	LF		6" x 8", Pine, Heavy Timber Column.....	11.03	1.20
06 13 23 00-0060	LF		6" x 10", Pine, Heavy Timber Column.....	15.71	1.30
06 13 23 00-0061	LF		6" x 12", Pine, Heavy Timber Column.....	19.31	1.33
06 13 23 00-0062	LF		8" x 8", Pine, Heavy Timber Column.....	14.03	1.26
06 13 23 00-0063	LF		8" x 10", Pine, Heavy Timber Column.....	20.08	1.30
06 13 23 00-0064	LF		8" x 12", Pine, Heavy Timber Column.....	24.91	1.35
06 13 23 00-0065	LF		10" x 10", Pine, Heavy Timber Column.....	24.57	1.35
06 13 23 00-0066	LF		10" x 12", Pine, Heavy Timber Column.....	30.67	1.44
06 13 23 00-0067	LF		12" x 12", Pine, Heavy Timber Column.....	36.50	1.59
06 13 23 00-0068			<b>Douglas Fir, Heavy Timber Columns</b> (06 13 23 00-0051)		
06 13 23 00-0069	LF		4" x 4", Douglas Fir, Heavy Timber Column.....	5.22	1.03
06 13 23 00-0070	LF		4" x 6", Douglas Fir, Heavy Timber Column.....	6.92	1.09
06 13 23 00-0071	LF		4" x 8", Douglas Fir, Heavy Timber Column.....	8.57	1.11
06 13 23 00-0072	LF		4" x 10", Douglas Fir, Heavy Timber Column.....	11.99	1.19
06 13 23 00-0073	LF		4" x 12", Douglas Fir, Heavy Timber Column.....	14.72	1.26
06 13 23 00-0074	LF		6" x 6", Douglas Fir, Heavy Timber Column.....	9.41	1.15
06 13 23 00-0075	LF		6" x 8", Douglas Fir, Heavy Timber Column.....	11.88	1.20
06 13 23 00-0076	LF		6" x 10", Douglas Fir, Heavy Timber Column.....	17.01	1.30
06 13 23 00-0077	LF		6" x 12", Douglas Fir, Heavy Timber Column.....	20.98	1.33
06 13 23 00-0078	LF		8" x 8", Douglas Fir, Heavy Timber Column.....	15.17	1.26
06 13 23 00-0079	LF		8" x 10", Douglas Fir, Heavy Timber Column.....	21.83	1.30
06 13 23 00-0080	LF		8" x 12", Douglas Fir, Heavy Timber Column.....	27.13	1.35
06 13 23 00-0081	LF		10" x 10", Douglas Fir, Heavy Timber Column.....	26.74	1.35
06 13 23 00-0082	LF		10" x 12", Douglas Fir, Heavy Timber Column.....	33.41	1.44
06 13 23 00-0083	LF		12" x 12", Douglas Fir, Heavy Timber Column.....	39.82	1.59
06 13 23 00-0084			<b>Pressure Treated, Heavy Timber Columns</b> (06 13 23 00-0051)		
06 13 23 00-0085	LF		4" x 4", Pressure Treated, Heavy Timber Column.....	4.66	1.03
06 13 23 00-0086	LF		4" x 6", Pressure Treated, Heavy Timber Column.....	6.33	1.09
06 13 23 00-0087	LF		4" x 8", Pressure Treated, Heavy Timber Column.....	7.71	1.11
06 13 23 00-0088	LF		4" x 10", Pressure Treated, Heavy Timber Column.....	10.68	1.19
06 13 23 00-0089	LF		4" x 12", Pressure Treated, Heavy Timber Column.....	13.07	1.26
06 13 23 00-0090	LF		6" x 6", Pressure Treated, Heavy Timber Column.....	9.30	1.15
06 13 23 00-0091	LF		6" x 8", Pressure Treated, Heavy Timber Column.....	11.77	1.20
06 13 23 00-0092	LF		6" x 10", Pressure Treated, Heavy Timber Column.....	14.36	1.30
06 13 23 00-0093	LF		6" x 12", Pressure Treated, Heavy Timber Column.....	18.09	1.33
06 13 23 00-0094	LF		8" x 8", Pressure Treated, Heavy Timber Column.....	18.42	1.26
06 13 23 00-0095	LF		8" x 10", Pressure Treated, Heavy Timber Column.....	21.70	1.30
06 13 23 00-0096	LF		8" x 12", Pressure Treated, Heavy Timber Column.....	25.86	1.35
06 13 23 00-0097	LF		10" x 10", Pressure Treated, Heavy Timber Column.....	25.99	1.35
06 13 23 00-0098	LF		10" x 12", Pressure Treated, Heavy Timber Column.....	35.02	1.44
06 13 23 00-0099	LF		12" x 12", Pressure Treated, Heavy Timber Column.....	41.75	1.59
06 15			<b>Wood Decking</b> (06 10)		
06 15 13			<b>Wood Floor Decking</b> (06 15)		
06 15 13 00-0001			<b>Wood Deck Systems</b> (06 15 13) Note: Includes the deck, joists, girders, railing posts 8' on-center, pickets and railing. Excludes ground posts.		
06 15 13 00-0002			<b>Pressure Treated Wood Deck System</b> (06 15 13 00-0001)		
06 15 13 00-0003			<b>2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System</b> (06 15 13 00-0002)		
06 15 13 00-0004	SF		5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	38.19	6.89
06 15 13 00-0005	SF		5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	37.21	6.54
06 15 13 00-0006	SF		2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	39.78	7.06
06 15 13 00-0007	SF		2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	38.81	6.72
06 15 13 00-0008			<b>2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System</b> (06 15 13 00-0002)		
06 15 13 00-0009	SF		5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	39.60	7.06
06 15 13 00-0010	SF		5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	38.56	6.71
06 15 13 00-0011	SF		2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	41.19	7.24
06 15 13 00-0012	SF		2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center.....	40.22	6.88
06 15 13 00-0013			<b>2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System</b> (06 15 13 00-0002)		
06 15 13 00-0014	SF		5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	38.19	6.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0015 SF 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	37.21	6.54
06 15 13 00-0016 SF 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	39.78	7.06
06 15 13 00-0017 SF 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	38.81	6.72
<b>06 15 13 00-0018 Redwood With Pressure Treated Joists, Wood Deck System</b> <small>(06 15 13 00-0001)</small>		
<b>06 15 13 00-0019 2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System</b> <small>(06 15 13 00-0018)</small>		
06 15 13 00-0020 SF 5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	41.64	6.89
06 15 13 00-0021 SF 5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	40.82	6.71
06 15 13 00-0022 SF 2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	44.10	7.06
06 15 13 00-0023 SF 2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	42.88	6.72
<b>06 15 13 00-0024 2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System</b> <small>(06 15 13 00-0018)</small>		
06 15 13 00-0025 SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	45.01	7.06
06 15 13 00-0026 SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	44.14	6.71
06 15 13 00-0027 SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	47.67	7.24
06 15 13 00-0028 SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	46.48	6.88
<b>06 15 13 00-0029 2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System</b> <small>(06 15 13 00-0018)</small>		
06 15 13 00-0030 SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	43.03	6.89
06 15 13 00-0031 SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	42.20	6.54
06 15 13 00-0032 SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	45.57	7.06
06 15 13 00-0033 SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	45.46	6.72
<b>06 15 13 00-0034 Wood Ramp Systems</b> <small>(06 15 13)</small>		
Note: Includes the decking, joists, girders, railing posts at corners and along ramp, pickets and railing. Excludes ground posts.		
<b>06 15 13 00-0035 Pressure Treated Wood Ramp System</b> <small>(06 15 13 00-0034)</small>		
<b>06 15 13 00-0036 2" x 6" Joists, Pressure Treated Wood Ramp System</b> <small>(06 15 13 00-0035)</small>		
06 15 13 00-0037 SF 5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	43.77	6.72
06 15 13 00-0038 SF 5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	42.45	6.37
06 15 13 00-0039 SF 2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	45.46	6.89
06 15 13 00-0040 SF 2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	44.16	6.54
<b>06 15 13 00-0041 2" x 8" Joists, Pressure Treated Wood Ramp System</b> <small>(06 15 13 00-0035)</small>		
06 15 13 00-0042 SF 5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	45.25	6.89
06 15 13 00-0043 SF 5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	43.92	6.54
06 15 13 00-0044 SF 2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	47.01	7.06
06 15 13 00-0045 SF 2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	45.70	6.72
<b>06 15 13 00-0046 2" x 10" Joists, Pressure Treated Wood Ramp System</b> <small>(06 15 13 00-0035)</small>		
06 15 13 00-0047 SF 5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	46.80	7.05
06 15 13 00-0048 SF 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	45.45	6.71
06 15 13 00-0049 SF 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	48.62	7.24
06 15 13 00-0050 SF 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	47.27	6.88
<b>06 15 13 00-0051 Redwood With Pressure Treated Joists, Wood Ramp System</b> <small>(06 15 13 00-0034)</small>		
<b>06 15 13 00-0052 2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System</b> <small>(06 15 13 00-0051)</small>		
06 15 13 00-0053 SF 5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	47.01	6.72
06 15 13 00-0054 SF 5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	45.85	6.37
06 15 13 00-0055 SF 2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	49.52	6.89
06 15 13 00-0056 SF 2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	47.99	6.54
<b>06 15 13 00-0057 2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System</b> <small>(06 15 13 00-0051)</small>		
06 15 13 00-0058 SF 5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	48.70	6.89
06 15 13 00-0059 SF 5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	47.53	6.54
06 15 13 00-0060 SF 2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	51.33	7.06
06 15 13 00-0061 SF 2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	49.77	6.72
<b>06 15 13 00-0062 2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System</b> <small>(06 15 13 00-0051)</small>		
06 15 13 00-0063 SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	52.24	7.05
06 15 13 00-0064 SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	51.03	6.71
06 15 13 00-0065 SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	55.10	7.24

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 15 Wood Decking**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0066 SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	54.24	6.88
<b>06 15 13 00-0067 Cedar With Pressure Treated Joists, Wood Ramp System</b> (06 15 13 00-0034)		
<b>06 15 13 00-0068 2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System</b> (06 15 13 00-0067)		
06 15 13 00-0069 SF 5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	44.92	6.72
06 15 13 00-0070 SF 5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	43.65	6.37
06 15 13 00-0071 SF 2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	46.70	6.89
06 15 13 00-0072 SF 2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	45.47	6.54
<b>06 15 13 00-0073 2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System</b> (06 15 13 00-0067)		
06 15 13 00-0074 SF 5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	46.47	6.89
06 15 13 00-0075 SF 5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	45.19	6.54
06 15 13 00-0076 SF 2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	48.33	7.06
06 15 13 00-0077 SF 2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	47.09	6.72
<b>06 15 13 00-0078 2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System</b> (06 15 13 00-0067)		
06 15 13 00-0079 SF 5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	48.13	7.05
06 15 13 00-0080 SF 5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	46.81	6.71
06 15 13 00-0081 SF 2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	50.03	7.24
06 15 13 00-0082 SF 2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	48.74	6.88
<b>06 15 13 00-0083 Wood Stair Systems</b> (06 15 13)		
Note: Includes the decking, joists, girders, railing posts at corners and along stairs, pickets and railing. Excludes ground posts.		
<b>06 15 13 00-0084 Pressure Treated Wood Stair System</b> (06 15 13 00-0083)		
<b>06 15 13 00-0085 2" x 10" Joists, Pressure Treated Wood Stair System</b> (06 15 13 00-0084)		
06 15 13 00-0086 RSR 3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	122.97	16.53
06 15 13 00-0087 RSR 3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	120.96	15.70
06 15 13 00-0088 RSR 3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	126.98	16.95
06 15 13 00-0089 RSR 3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	124.21	16.10
06 15 13 00-0090 RSR 3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	129.13	17.36
06 15 13 00-0091 RSR 3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	127.01	16.48
06 15 13 00-0092 RSR 3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	133.32	17.80
06 15 13 00-0093 RSR 3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	130.42	16.91
06 15 13 00-0094 RSR 4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	135.39	18.22
06 15 13 00-0095 RSR 4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	133.16	17.30
06 15 13 00-0096 RSR 4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	139.79	18.69
06 15 13 00-0097 RSR 4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	136.73	17.75
06 15 13 00-0098 RSR 5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	144.26	19.13
06 15 13 00-0099 RSR 5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	142.05	18.18
06 15 13 00-0100 RSR 5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	148.97	19.62
06 15 13 00-0101 RSR 5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	145.85	18.64
<b>06 15 13 00-0102 2" x 12" Joists, Pressure Treated Wood Stair System</b> (06 15 13 00-0084)		
06 15 13 00-0103 RSR 3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	125.46	16.94
06 15 13 00-0104 RSR 3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	122.74	16.10
06 15 13 00-0105 RSR 3' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	129.73	17.37
06 15 13 00-0106 RSR 3' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	126.98	16.51
06 15 13 00-0107 RSR 3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	131.73	17.79
06 15 13 00-0108 RSR 3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	128.89	16.91
06 15 13 00-0109 RSR 3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	136.22	18.24
06 15 13 00-0110 RSR 3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	133.33	17.33
06 15 13 00-0111 RSR 4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	138.13	18.67
06 15 13 00-0112 RSR 4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	135.12	17.74
06 15 13 00-0113 RSR 4' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	142.83	19.16
06 15 13 00-0114 RSR 4' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	139.78	18.20
06 15 13 00-0115 RSR 5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	147.16	19.62
06 15 13 00-0116 RSR 5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	144.09	18.63
06 15 13 00-0117 RSR 5' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	152.19	20.11
06 15 13 00-0118 RSR 5' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	149.08	19.10
<b>06 15 13 00-0119 Redwood With Pressure Treated Joists, Wood Stair System</b> (06 15 13 00-0083)		
<b>06 15 13 00-0120 2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System</b> (06 15 13 00-0119)		
06 15 13 00-0121 RSR 3' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	142.14	16.53
06 15 13 00-0122 RSR 3' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	139.96	15.70
06 15 13 00-0123 RSR 3' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	147.34	16.95
06 15 13 00-0124 RSR 3' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	145.18	16.10
06 15 13 00-0125 RSR 3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	149.26	17.36
06 15 13 00-0126 RSR 3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	146.95	16.48
06 15 13 00-0127 RSR 3'-6" Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	154.71	17.80





	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0128	RSR 3'-6" Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	152.44	16.91	
06 15 13 00-0129	RSR 4' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	156.42	18.22	
06 15 13 00-0130	RSR 4' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	154.00	17.30	
06 15 13 00-0131	RSR 4' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	162.14	18.69	
06 15 13 00-0132	RSR 4' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	159.73	17.75	
06 15 13 00-0133	RSR 5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	167.39	19.13	
06 15 13 00-0134	RSR 5' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	164.97	18.18	
06 15 13 00-0135	RSR 5' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	173.55	19.62	
06 15 13 00-0136	RSR 5' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	171.16	18.64	
<b>06 15 13 00-0137</b>	<b>2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System</b>			
	<small>(06 15 13 00-0119)</small>			
06 15 13 00-0138	RSR 3' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	138.98	16.94	
06 15 13 00-0139	RSR 3' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	136.74	16.10	
06 15 13 00-0140	RSR 3' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	143.80	17.37	
06 15 13 00-0141	RSR 3' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	141.71	16.51	
06 15 13 00-0142	RSR 3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	145.93	17.79	
06 15 13 00-0143	RSR 3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	143.59	16.91	
06 15 13 00-0144	RSR 3'-6" Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	150.99	18.24	
06 15 13 00-0145	RSR 3'-6" Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	148.80	17.33	
06 15 13 00-0146	RSR 4' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	152.97	18.67	
06 15 13 00-0147	RSR 4' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	150.48	17.74	
06 15 13 00-0148	RSR 4' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	158.27	19.16	
06 15 13 00-0149	RSR 4' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	155.95	18.20	
06 15 13 00-0150	RSR 5' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	163.48	19.62	
06 15 13 00-0151	RSR 5' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	160.99	18.63	
06 15 13 00-0152	RSR 5' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	169.17	20.11	
06 15 13 00-0153	RSR 5' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	166.87	19.10	
<b>06 15 13 00-0154</b>	<b>Wood Deck And Ramp Systems Repairs</b> <small>(06 15 13)</small>			
	Note: Includes removal of material and screws. Excludes anchors and bolts.			
<b>06 15 13 00-0155</b>	<b>Deck Joist Or Girt</b> <small>(06 15 13 00-0154)</small>			
	See CSI section 06 11 16 00-0012 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.			
<b>06 15 13 00-0156</b>	<b>Deck Boards</b> <small>(06 15 13 00-0154)</small>			
	See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.			
06 15 13 00-0157	LF 5/4" x 4" Round Edge Pressure Treated Deck Boards .....	2.09	0.84	
06 15 13 00-0158	LF 5/4" x 6" Round Edge Pressure Treated Deck Boards .....	2.30	1.00	
06 15 13 00-0159	LF 2" x 4" Round Edge Pressure Treated Deck Boards .....	2.20	1.00	
06 15 13 00-0160	LF 2" x 6" Round Edge Pressure Treated Deck Boards .....	2.90	1.15	
06 15 13 00-0161	LF 2" x 8" Round Edge Pressure Treated Deck Boards .....	3.69	1.38	
06 15 13 00-0162	LF 2" x 10" Round Edge Pressure Treated Deck Boards .....	4.54	1.69	
06 15 13 00-0163	LF 2" x 12" Round Edge Pressure Treated Deck Boards .....	5.60	2.00	
06 15 13 00-0164	LF 2" x 4" Round Edge Cedar Deck Boards .....	2.87	1.00	
06 15 13 00-0165	LF 2" x 6" Round Edge Cedar Deck Boards .....	3.78	1.15	
06 15 13 00-0166	LF 2" x 4" Round Edge Redwood Deck Boards .....	3.19	1.00	
06 15 13 00-0167	LF 2" x 6" Round Edge Redwood Deck Boards .....	4.27	1.15	
<b>06 15 13 00-0168</b>	<b>Deck Posts</b> <small>(06 15 13 00-0154)</small>			
	See CSI section 06 11 16 00-0105 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.			
<b>06 15 13 00-0169</b>	<b>Deck Railing And Pickets</b> <small>(06 15 13 00-0154)</small>			
	See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.			
06 15 13 00-0170	LF 2" x 4" Pressure Treated Deck Railing .....	2.20	1.00	
06 15 13 00-0171	LF 2" x 2" Pressure Treated Deck Railing Picket .....	1.72	0.77	
06 15 13 00-0172	LF 2" x 4" Cedar Deck Railing .....	2.87	1.00	
06 15 13 00-0173	LF 2" x 2" Cedar Deck Railing Picket .....	2.17	0.77	
06 15 13 00-0174	LF 2" x 4" Redwood Deck Railing .....	3.19	1.00	
06 15 13 00-0175	LF 2" x 2" Redwood Deck Railing Picket .....	2.41	0.77	
<b>06 16</b>	<b>Sheathing</b> <small>(06 10)</small>			
<b>06 16 23</b>	<b>Subflooring</b> <small>(06 16)</small>			
<b>06 16 23 00-0001</b>	<b>Board Type Subflooring</b> <small>(06 16 23)</small>			
06 16 23 00-0002	SF 1" x 8" Regular Surface Board Type Subfloor .....	3.29	0.87	
	Note: 4 Sides Laid In A Regular Pattern.			
	For Water Resistant Coating Or Treatment, Add	0.08		
	For Foil Backing, Add	0.13		
	For Tongue And Groove, Add	0.09		
06 16 23 00-0003	SF 1" x 8" Diagonal Surface Board Type Subfloor .....	3.66	1.10	
	Note: 4 Sides Laid In A Diagonal Pattern.			
	For Water Resistant Coating Or Treatment, Add	0.08		
	For Foil Backing, Add	0.13		
	For Tongue And Groove, Add	0.09		

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 16 Sheathing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 23 00-0004 SF 1" x 10" Regular Surface Board Type Subfloor ..... Note: 4 sides laid in a regular pattern. For Water Resistant Coating Or Treatment, Add For Foil Backing, Add For Tongue And Groove, Add	3.17 0.08 0.14 0.10	0.77
06 16 23 00-0005 SF 1" x 10" Diagonal Surface Board Type Subfloor ..... Note: 4 sides laid in a diagonal pattern. For Water Resistant Coating Or Treatment, Add For Foil Backing, Add For Tongue And Groove, Add	3.42 0.08 0.14 0.10	0.87
<b>06 16 33 Wood Board Sheathing (06 16)</b>		
<b>06 16 33 00-0001 Plywood (06 16 33)</b>		
<b>06 16 33 00-0002 Roof Decking (06 16 33 00-0001)</b>		
06 16 33 00-0003 SF 3/8" Thick CDX Plywood Roof Decking..... Note: Applied to wood rafters. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For ACQ Preservative Treatment, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	2.35 0.26 0.16 0.26 0.51 1.94 0.84 -0.06 -0.10 -0.15 -0.19	0.55
06 16 33 00-0004 SF 1/2" Thick CDX Plywood Roof Decking..... Note: Applied to wood rafters. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For ACQ Preservative Treatment, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	2.69 0.28 0.19 0.28 0.61 2.12 1.01 -0.08 -0.12 -0.18 -0.22	0.66
06 16 33 00-0005 SF 5/8" Thick CDX Plywood Roof Decking..... Note: Applied to wood rafters. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For ACQ Preservative Treatment, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For Tongue And Groove, Add	2.94 0.30 0.21 0.30 0.69 2.27 1.13 -0.09 -0.13 -0.20 -0.25 0.10	0.66
06 16 33 00-0006 SF 3/4" Thick CDX Plywood Roof Decking..... Note: Applied to wood rafters. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For ACQ Preservative Treatment, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For Tongue And Groove, Add	3.30 0.33 0.25 0.33 0.80 2.46 1.31 -0.10 -0.15 -0.22 -0.28 0.12	0.77
06 16 33 00-0007 SF 1" Thick CDX Plywood Roof Decking..... Note: Applied to wood rafters. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For ACQ Preservative Treatment, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For Tongue And Groove, Add	4.03 0.36 0.34 0.36 1.08 2.69 1.77 -0.13 -0.20 -0.29 -0.36 0.16	0.87

06 16 33 00-0008 Wall Sheathing (06 16 33 00-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0009 SF 1/4" Interior BC Plywood Wall Sheathing.....	2.69	0.77
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.33	
<i>For Exterior CC Grade Plywood, Add</i>	0.16	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.33	
<i>For Ceiling Installation, Add</i>	0.16	
<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	2.46	
<i>For Fire Retardant Treatment, Add</i>	0.83	
<i>For &gt;1,696 To 3,200, Deduct</i>	-0.06	
<i>For &gt;3,200 To 6,400, Deduct</i>	-0.09	
<i>For &gt;6,400 To 12,800, Deduct</i>	-0.16	
<i>For &gt;12,800, Deduct</i>	-0.21	
06 16 33 00-0010 SF 5/16" Interior BC Plywood Wall Sheathing.....	2.74	0.77
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.33	
<i>For Exterior CC Grade Plywood, Add</i>	0.17	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.33	
<i>For Ceiling Installation, Add</i>	0.16	
<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	2.46	
<i>For Fire Retardant Treatment, Add</i>	0.87	
<i>For &gt;1,696 To 3,200, Deduct</i>	-0.07	
<i>For &gt;3,200 To 6,400, Deduct</i>	-0.10	
<i>For &gt;6,400 To 12,800, Deduct</i>	-0.16	
<i>For &gt;12,800, Deduct</i>	-0.21	
06 16 33 00-0011 SF 3/8" Interior BC Plywood Wall Sheathing.....	2.84	0.87
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.33	
<i>For Exterior CC Grade Plywood, Add</i>	0.18	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.33	
<i>For Ceiling Installation, Add</i>	0.16	
<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	2.46	
<i>For Fire Retardant Treatment, Add</i>	0.95	
<i>For &gt;1,696 To 3,200, Deduct</i>	-0.07	
<i>For &gt;3,200 To 6,400, Deduct</i>	-0.11	
<i>For &gt;6,400 To 12,800, Deduct</i>	-0.17	
<i>For &gt;12,800, Deduct</i>	-0.23	
06 16 33 00-0012 SF 1/2" Interior BC Plywood Wall Sheathing.....	3.25	0.87
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.35	
<i>For Exterior CC Grade Plywood, Add</i>	0.23	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.35	
<i>For Ceiling Installation, Add</i>	0.18	
<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	2.63	
<i>For Fire Retardant Treatment, Add</i>	1.19	
<i>For &gt;1,696 To 3,200, Deduct</i>	-0.09	
<i>For &gt;3,200 To 6,400, Deduct</i>	-0.14	
<i>For &gt;6,400 To 12,800, Deduct</i>	-0.21	
<i>For &gt;12,800, Deduct</i>	-0.27	
06 16 33 00-0013 SF 5/8" Interior BC Plywood Wall Sheathing.....	3.51	0.99
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.38	
<i>For Exterior CC Grade Plywood, Add</i>	0.24	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.38	
<i>For Ceiling Installation, Add</i>	0.19	
<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	2.82	
<i>For Fire Retardant Treatment, Add</i>	1.29	
<i>For &gt;1,696 To 3,200, Deduct</i>	-0.10	
<i>For &gt;3,200 To 6,400, Deduct</i>	-0.15	
<i>For &gt;6,400 To 12,800, Deduct</i>	-0.23	
<i>For &gt;12,800, Deduct</i>	-0.29	
06 16 33 00-0014 SF 3/4" Interior BC Plywood Wall Sheathing.....	3.88	1.10
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.40	
<i>For Exterior CC Grade Plywood, Add</i>	0.28	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.40	
<i>For Ceiling Installation, Add</i>	0.20	
<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	3.03	
<i>For Fire Retardant Treatment, Add</i>	1.47	
<i>For &gt;1,696 To 3,200, Deduct</i>	-0.11	
<i>For &gt;3,200 To 6,400, Deduct</i>	-0.17	
<i>For &gt;6,400 To 12,800, Deduct</i>	-0.26	
<i>For &gt;12,800, Deduct</i>	-0.32	

06 16 33 00-0015 **Floor Decking** (06 16 33 00-0001)  
 Note: Includes patching of seams and all fastener holes where necessary.

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MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 16 33 00-0016	SF	5/16" CD Grade Plywood Floor Decking.....	1.94		0.66
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.85		
		For Fire Retardant Treatment, Add	0.56		
		For >1,696 To 3,200, Deduct	-0.04		
		For >3,200 To 6,400, Deduct	-0.06		
		For >6,400 To 12,800, Deduct	-0.11		
		For >12,800, Deduct	-0.15		
		For ACQ Preservative Treatment, Add	0.34		
		For Fir Plywood, Add	0.13		
		For BC Grade Plywood, Add	0.11		
		For Exterior Glue, Add	0.07		
		For Marine Grade, Add	0.56		
06 16 33 00-0017	SF	3/8" CD Grade Plywood Floor Decking.....	2.17		0.66
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.95		
		For Fire Retardant Treatment, Add	0.69		
		For >1,696 To 3,200, Deduct	-0.05		
		For >3,200 To 6,400, Deduct	-0.08		
		For >6,400 To 12,800, Deduct	-0.13		
		For >12,800, Deduct	-0.17		
		For ACQ Preservative Treatment, Add	0.42		
		For Fir Plywood, Add	0.16		
		For BC Grade Plywood, Add	0.13		
		For Exterior Glue, Add	0.08		
		For Marine Grade, Add	0.68		
06 16 33 00-0018	SF	1/2" CD Grade Plywood Floor Decking.....	2.52		0.66
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.06		
		For Fire Retardant Treatment, Add	0.91		
		For >1,696 To 3,200, Deduct	-0.07		
		For >3,200 To 6,400, Deduct	-0.10		
		For >6,400 To 12,800, Deduct	-0.16		
		For >12,800, Deduct	-0.21		
		For ACQ Preservative Treatment, Add	0.55		
		For Fir Plywood, Add	0.21		
		For BC Grade Plywood, Add	0.17		
		For Exterior Glue, Add	0.11		
		For Marine Grade, Add	0.90		
06 16 33 00-0019	SF	5/8" CD Grade Plywood Floor Decking.....	2.73		0.66
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.24		
		For Fire Retardant Treatment, Add	0.98		
		For >1,696 To 3,200, Deduct	-0.07		
		For >3,200 To 6,400, Deduct	-0.11		
		For >6,400 To 12,800, Deduct	-0.17		
		For >12,800, Deduct	-0.22		
		For ACQ Preservative Treatment, Add	0.60		
		For Fir Plywood, Add	0.23		
		For BC Grade Plywood, Add	0.18		
		For Exterior Glue, Add	0.12		
		For Marine Grade, Add	0.97		
06 16 33 00-0020	SF	3/4" CD Grade Plywood Floor Decking.....	3.17		0.66
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.37		
		For Fire Retardant Treatment, Add	1.26		
		For >1,696 To 3,200, Deduct	-0.10		
		For >3,200 To 6,400, Deduct	-0.14		
		For >6,400 To 12,800, Deduct	-0.21		
		For >12,800, Deduct	-0.27		
		For ACQ Preservative Treatment, Add	0.76		
		For Fir Plywood, Add	0.29		
		For BC Grade Plywood, Add	0.24		
		For Exterior Glue, Add	0.15		
		For Marine Grade, Add	1.24		
06 16 33 00-0021	SF	1-1/8" CD Grade Plywood Floor Decking.....	4.89		0.99
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.84		
		For Fire Retardant Treatment, Add	2.37		
		For >1,696 To 3,200, Deduct	-0.18		
		For >3,200 To 6,400, Deduct	-0.27		
		For >6,400 To 12,800, Deduct	-0.38		
		For >12,800, Deduct	-0.45		
		For ACQ Preservative Treatment, Add	1.44		
		For Fir Plywood, Add	0.56		
		For BC Grade Plywood, Add	0.44		
		For Exterior Glue, Add	0.28		
		For Marine Grade, Add	2.35		



<b>Wood, Plastics, and Composites</b>			<b>06</b>
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0022 SF 1/2" AC Fir Plywood Floor Decking.....	3.21	0.66
Note: Applied to floor or joists.		
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.06	
For Fire Retardant Treatment, Add	1.45	
For >1,696 To 3,200, Deduct	-0.11	
For >3,200 To 6,400, Deduct	-0.17	
For >6,400 To 12,800, Deduct	-0.24	
For >12,800, Deduct	-0.29	
For ACQ Preservative Treatment, Add	0.88	
For Exterior Glue, Add	0.17	
For Marine Grade, Add	1.44	
For Tongue And Groove, Add	0.13	
06 16 33 00-0023 SF 5/8" AC Fir Plywood Floor Decking.....	3.42	0.66
Note: Applied to floor or joists.		
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.24	
For Fire Retardant Treatment, Add	1.52	
For >1,696 To 3,200, Deduct	-0.12	
For >3,200 To 6,400, Deduct	-0.17	
For >6,400 To 12,800, Deduct	-0.25	
For >12,800, Deduct	-0.31	
For ACQ Preservative Treatment, Add	0.93	
For Exterior Glue, Add	0.18	
For Marine Grade, Add	1.51	
For Tongue And Groove, Add	0.14	
06 16 33 00-0024 SF 3/4" AC Fir Plywood Floor Decking.....	3.68	0.66
Note: Applied to floor or joists.		
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.39	
For Fire Retardant Treatment, Add	1.65	
For >1,696 To 3,200, Deduct	-0.13	
For >3,200 To 6,400, Deduct	-0.19	
For >6,400 To 12,800, Deduct	-0.27	
For >12,800, Deduct	-0.33	
For ACQ Preservative Treatment, Add	1.00	
For Exterior Glue, Add	0.19	
For Marine Grade, Add	1.64	
For Tongue And Groove, Add	0.15	
<b>06 16 33 00-0025 Underlayment Grade</b> <small>(06 16 33 00-0001)</small>		
Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0026 SF 1/4" Thick Plywood Underlayment BC Grade .....	2.11	0.66
For Fire Retardant Treatment, Add	0.66	
For >1,696 To 3,200, Deduct	-0.05	
For >3,200 To 6,400, Deduct	-0.08	
For >6,400 To 12,800, Deduct	-0.11	
For >12,800, Deduct	-0.16	
06 16 33 00-0027 SF 3/8" Thick Plywood Underlayment BC Grade .....	2.25	0.66
For Fire Retardant Treatment, Add	0.73	
For >1,696 To 3,200, Deduct	-0.06	
For >3,200 To 6,400, Deduct	-0.08	
For >6,400 To 12,800, Deduct	-0.12	
For >12,800, Deduct	-0.18	
06 16 33 00-0028 SF 1/2" Thick Plywood Underlayment BC Grade .....	2.36	0.77
For Fire Retardant Treatment, Add	0.79	
For >1,696 To 3,200, Deduct	-0.06	
For >3,200 To 6,400, Deduct	-0.09	
For >6,400 To 12,800, Deduct	-0.12	
For >12,800, Deduct	-0.19	
06 16 33 00-0029 SF 5/8" Thick Plywood Underlayment BC Grade .....	2.69	0.77
For Fire Retardant Treatment, Add	0.93	
For >1,696 To 3,200, Deduct	-0.07	
For >3,200 To 6,400, Deduct	-0.11	
For >6,400 To 12,800, Deduct	-0.14	
For >12,800, Deduct	-0.22	
For Tongue And Groove, Add	0.08	
06 16 33 00-0030 SF 3/4" Thick Plywood Underlayment BC Grade .....	2.94	0.77
For Fire Retardant Treatment, Add	1.13	
For >1,696 To 3,200, Deduct	-0.09	
For >3,200 To 6,400, Deduct	-0.13	
For >6,400 To 12,800, Deduct	-0.17	
For >12,800, Deduct	-0.25	
For Tongue And Groove, Add	0.10	
06 16 33 00-0031 SF 1-1/8" Thick Plywood Underlayment BC Grade .....	3.88	0.87
For Fire Retardant Treatment, Add	1.72	
For >1,696 To 3,200, Deduct	-0.13	
For >3,200 To 6,400, Deduct	-0.20	
For >6,400 To 12,800, Deduct	-0.24	
For >12,800, Deduct	-0.35	
For Tongue And Groove, Add	0.15	
06 16 33 00-0032 SF 3/8" Thick CDX Plywood Underlayment Grade.....	2.45	0.66
For Fire Retardant Treatment, Add	0.88	
For >1,696 To 3,200, Deduct	-0.07	
For >3,200 To 6,400, Deduct	-0.10	
For >6,400 To 12,800, Deduct	-0.13	
For >12,800, Deduct	-0.20	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 16 Sheathing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0033	SF		5/8" Thick CDX Plywood Underlayment Grade.....	3.19	0.77
			<i>For Fire Retardant Treatment, Add</i>	1.34	
			<i>For &gt;1,696 To 3,200, Deduct</i>	-0.10	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.15	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.19	
			<i>For &gt;12,800, Deduct</i>	-0.28	
06 16 33 00-0034			<b>Oriented Strand Board</b> <small>(06 16 33)</small>		
06 16 33 00-0035			<b>On Roof</b> <small>(06 16 33 00-0034)</small>		
06 16 33 00-0036	SF		3/8" Thick Structural Oriented Strand Board (OSB) On Roof.....	1.80	0.66
			<i>For &gt;1,408 To 3,200, Deduct</i>	-0.03	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.05	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.09	
			<i>For &gt;12,800, Deduct</i>	-0.13	
			<i>For Fire Retardant Treatment, Add</i>	0.40	
			<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.94	
06 16 33 00-0037	SF		1/2" Thick Structural Oriented Strand Board (OSB) On Roof.....	2.01	0.66
			<i>For &gt;1,408 To 3,200, Deduct</i>	-0.04	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.05	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.10	
			<i>For &gt;12,800, Deduct</i>	-0.14	
			<i>For Fire Retardant Treatment, Add</i>	0.47	
			<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.12	
06 16 33 00-0038	SF		5/8" Thick Structural Oriented Strand Board (OSB) On Roof.....	2.37	0.77
			<i>For &gt;1,408 To 3,200, Deduct</i>	-0.05	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.08	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.13	
			<i>For &gt;12,800, Deduct</i>	-0.18	
			<i>For Fire Retardant Treatment, Add</i>	0.68	
			<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.27	
06 16 33 00-0039	SF		3/4" Thick Structural Oriented Strand Board (OSB) On Roof.....	2.79	0.77
			<i>For &gt;1,408 To 3,200, Deduct</i>	-0.07	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.10	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.17	
			<i>For &gt;12,800, Deduct</i>	-0.22	
			<i>For Fire Retardant Treatment, Add</i>	0.91	
			<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.46	
06 16 33 00-0040			<b>On Walls</b> <small>(06 16 33 00-0034)</small>		
06 16 33 00-0041	SF		3/8" Thick Structural Oriented Strand Board (OSB) On Walls.....	2.15	0.77
			<i>For &gt;1,408 To 3,200, Deduct</i>	-0.03	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.05	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.10	
			<i>For &gt;12,800, Deduct</i>	-0.14	
			<i>For Fire Retardant Treatment, Add</i>	0.40	
			<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.46	
06 16 33 00-0042	SF		1/2" Thick Structural Oriented Strand Board (OSB) On Walls.....	2.35	0.87
			<i>For &gt;1,408 To 3,200, Deduct</i>	-0.04	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.05	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.11	
			<i>For &gt;12,800, Deduct</i>	-0.16	
			<i>For Fire Retardant Treatment, Add</i>	0.47	
			<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.63	
06 16 33 00-0043	SF		5/8" Thick Structural Oriented Strand Board (OSB) On Walls.....	2.74	0.99
			<i>For &gt;1,408 To 3,200, Deduct</i>	-0.05	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.08	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.14	
			<i>For &gt;12,800, Deduct</i>	-0.20	
			<i>For Fire Retardant Treatment, Add</i>	0.68	
			<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.82	
06 16 33 00-0044	SF		3/4" Thick Structural Oriented Strand Board (OSB) On Walls.....	3.17	0.99
			<i>For &gt;1,408 To 3,200, Deduct</i>	-0.07	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.10	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.18	
			<i>For &gt;12,800, Deduct</i>	-0.24	
			<i>For Fire Retardant Treatment, Add</i>	0.91	
			<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	3.03	
06 16 33 00-0045			<b>On Floors</b> <small>(06 16 33 00-0034)</small>		
			Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0046	SF		3/8" Thick Structural Oriented Strand Board (OSB) On Floors.....	1.83	0.66
			<i>For &gt;1,408 To 3,200, Deduct</i>	-0.03	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.05	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.09	
			<i>For &gt;12,800, Deduct</i>	-0.13	
			<i>For Fire Retardant Treatment, Add</i>	0.40	
			<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.98	



<b>Wood, Plastics, and Composites</b>			<b>06</b>
Rough Carpentry			06 10
Sheathing			06 16

06

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0047 SF 1/2" Thick Structural Oriented Strand Board (OSB) On Floors ..... <i>For &gt;1,408 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.19 -0.04 -0.05 -0.11 -0.15 0.47 2.39	0.77
06 16 33 00-0048 SF 5/8" Thick Structural Oriented Strand Board (OSB) On Floors ..... <i>For &gt;1,408 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.58 -0.05 -0.08 -0.14 -0.19 0.68 2.58	0.87
06 16 33 00-0049 SF 3/4" Thick Structural Oriented Strand Board (OSB) On Floors ..... <i>For &gt;1,408 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	3.03 -0.07 -0.10 -0.17 -0.23 0.91 2.82	0.99
<b>06 16 33 00-0050 Particle Board</b> <small>(06 16 33)</small>		
<b>06 16 33 00-0051 Particle Board Floor Decking</b> <small>(06 16 33 00-0050)</small> Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0052 SF 3/8" Particle Board Floor Decking ..... Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For &gt;1,536 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	1.93 0.51 -0.04 -0.06 -0.10 -0.14 0.04	0.55
06 16 33 00-0053 SF 1/2" Particle Board Floor Decking ..... Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For &gt;1,536 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	2.24 0.69 -0.05 -0.08 -0.13 -0.17 0.06	0.55
06 16 33 00-0054 SF 5/8" Particle Board Floor Decking ..... Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For &gt;1,536 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	2.53 0.86 -0.07 -0.10 -0.16 -0.20 0.08	0.66
06 16 33 00-0055 SF 3/4" Particle Board Floor Decking ..... Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For &gt;1,536 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	2.81 1.01 -0.08 -0.12 -0.18 -0.23 0.09	0.66
<b>06 16 43 Gypsum Sheathing</b> <small>(06 16)</small>		
<b>06 16 43 00-0001 Exterior Gypsum Sheathing</b> <small>(06 16 43)</small> Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.		
06 16 43 00-0002 SF 1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold) ..... <i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i> <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> <i>For Ceiling Installation, Add</i> <i>For &gt;1,696 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i>	2.83 2.63 0.35 0.18 -0.06 -0.10 -0.16 -0.22	0.87
06 16 43 00-0003 SF 5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold) ..... <i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i> <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> <i>For Ceiling Installation, Add</i> <i>For &gt;1,696 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i>	3.06 2.82 0.38 0.19 -0.07 -0.11 -0.18 -0.24	1.10

**06 17 Shop-Fabricated Structural Wood** (06 10)

**06 17 13 Laminated Veneer Lumber** (06 17)

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>06 17 13 00-0001</b>	<b>Laminated Veneer Lumber (LVL)</b> <small>(06 17 13)</small>		
06 17 13 00-0002	LF 1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL) .....	8.48	1.90
06 17 13 00-0003	LF 1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL) .....	9.38	1.93
06 17 13 00-0004	LF 1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL) .....	10.41	1.96
06 17 13 00-0005	LF 1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL).....	11.72	1.99
06 17 13 00-0006	LF 1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL).....	12.71	2.02
06 17 13 00-0007	LF 1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL).....	14.08	2.09
06 17 13 00-0008	LF 1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL).....	16.07	2.12
06 17 13 00-0009	LF 1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL).....	22.23	2.42

**06 17 23 Parallel Strand Lumber** (06 17)

<b>06 17 23 00-0001</b>	<b>Laminated Strand Lumber (LSL)</b> <small>(06 17 23)</small>		
06 17 23 00-0002	LF 2" x 4" Laminated Strand Lumber (LSL) .....	2.94	0.87
06 17 23 00-0003	LF 2" x 6" Laminated Strand Lumber (LSL) .....	4.07	0.94

**06 17 33 Wood I-Joists** (06 17)

<b>06 17 33 00-0001</b>	<b>Prefabricated Wood I-Joists</b> <small>(06 17 33)</small>		
06 17 33 00-0002	LF 9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	5.29	1.27
	<i>For I-Joists 30' To 40' In Length, Add</i>	0.56	
	<i>For I-Joists &gt;40' In Length, Add</i>	1.37	
06 17 33 00-0003	LF 11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	5.69	1.42
	<i>For I-Joists 30' To 40' In Length, Add</i>	0.62	
	<i>For I-Joists &gt;40' In Length, Add</i>	1.53	
06 17 33 00-0004	LF 14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	6.69	1.59
	<i>For I-Joists 30' To 40' In Length, Add</i>	0.70	
	<i>For I-Joists &gt;40' In Length, Add</i>	1.72	
06 17 33 00-0005	LF 16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	7.54	1.77
	<i>For I-Joists 30' To 40' In Length, Add</i>	0.78	
	<i>For I-Joists &gt;40' In Length, Add</i>	1.91	

**06 17 43 Rim Boards** (06 17)

<b>06 17 43 00-0001</b>	<b>Oriented Strand Board (OSB) Rim Board</b> <small>(06 17 43)</small>		
06 17 43 00-0002	LF 1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board.....	6.69	1.96
06 17 43 00-0003	LF 1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board.....	7.38	1.99
06 17 43 00-0004	LF 1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board.....	8.21	2.02

**06 17 53 Shop-Fabricated Wood Trusses** (06 17)

Note: Includes temporary and permanent bracing, and fastening with truss tie-downs.

<b>06 17 53 00-0001</b>	<b>Pre-Assembled Wood Roof Trusses</b> <small>(06 17 53)</small>		
	Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.		
06 17 53 00-0002	EA 10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	199.35	74.25
	<i>For Up To 15, Add</i>	3.81	
	<i>For &gt;35, Deduct</i>	-2.54	
	<i>For 3 In 12 Slope, Add</i>	1.53	
	<i>For 5 In 12 Slope, Add</i>	4.07	
	<i>For 6 In 12 Slope, Add</i>	7.63	
	<i>For 7 In 12 Slope, Add</i>	10.17	
	<i>For 8 In 12 Slope, Add</i>	12.20	
06 17 53 00-0003	EA 12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	222.03	81.32
	<i>For Up To 15, Add</i>	4.45	
	<i>For &gt;35, Deduct</i>	-2.97	
	<i>For 3 In 12 Slope, Add</i>	1.78	
	<i>For 5 In 12 Slope, Add</i>	4.75	
	<i>For 6 In 12 Slope, Add</i>	8.91	
	<i>For 7 In 12 Slope, Add</i>	11.88	
	<i>For 8 In 12 Slope, Add</i>	14.25	
06 17 53 00-0004	EA 14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	248.25	88.39
	<i>For Up To 15, Add</i>	5.36	
	<i>For &gt;35, Deduct</i>	-3.57	
	<i>For 3 In 12 Slope, Add</i>	2.14	
	<i>For 5 In 12 Slope, Add</i>	5.72	
	<i>For 6 In 12 Slope, Add</i>	10.72	
	<i>For 7 In 12 Slope, Add</i>	14.29	
	<i>For 8 In 12 Slope, Add</i>	17.15	
06 17 53 00-0005	EA 16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	283.80	95.46
	<i>For Up To 15, Add</i>	6.97	
	<i>For &gt;35, Deduct</i>	-4.64	
	<i>For 3 In 12 Slope, Add</i>	2.79	
	<i>For 5 In 12 Slope, Add</i>	7.43	
	<i>For 6 In 12 Slope, Add</i>	13.93	
	<i>For 7 In 12 Slope, Add</i>	18.57	
	<i>For 8 In 12 Slope, Add</i>	22.29	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0006 EA 18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	313.98	102.54
For Up To 15, Add	8.17	
For >35, Deduct	-5.45	
For 3 In 12 Slope, Add	3.27	
For 5 In 12 Slope, Add	8.71	
For 6 In 12 Slope, Add	16.34	
For 7 In 12 Slope, Add	21.78	
For 8 In 12 Slope, Add	26.14	
06 17 53 00-0007 EA 20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	327.97	113.14
For Up To 15, Add	7.63	
For >35, Deduct	-5.08	
For 3 In 12 Slope, Add	3.05	
For 5 In 12 Slope, Add	8.14	
For 6 In 12 Slope, Add	15.25	
For 7 In 12 Slope, Add	20.34	
For 8 In 12 Slope, Add	24.41	
06 17 53 00-0008 EA 22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	345.09	180.32
For Up To 15, Add	7.85	
For >35, Deduct	-5.23	
For 3 In 12 Slope, Add	3.14	
For 5 In 12 Slope, Add	8.37	
For 6 In 12 Slope, Add	15.70	
For 7 In 12 Slope, Add	20.93	
For 8 In 12 Slope, Add	25.12	
06 17 53 00-0009 EA 24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	368.09	127.29
For Up To 15, Add	8.51	
For >35, Deduct	-5.68	
For 3 In 12 Slope, Add	3.41	
For 5 In 12 Slope, Add	9.08	
For 6 In 12 Slope, Add	17.03	
For 7 In 12 Slope, Add	22.71	
For 8 In 12 Slope, Add	27.25	
06 17 53 00-0010 EA 26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	392.08	201.53
For Up To 15, Add	9.25	
For >35, Deduct	-6.17	
For 3 In 12 Slope, Add	3.70	
For 5 In 12 Slope, Add	9.87	
For 6 In 12 Slope, Add	18.51	
For 7 In 12 Slope, Add	24.67	
For 8 In 12 Slope, Add	29.61	
06 17 53 00-0011 EA 28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	417.34	141.42
For Up To 15, Add	10.09	
For >35, Deduct	-6.72	
For 3 In 12 Slope, Add	4.03	
For 5 In 12 Slope, Add	10.76	
For 6 In 12 Slope, Add	20.17	
For 7 In 12 Slope, Add	26.90	
For 8 In 12 Slope, Add	32.28	
06 17 53 00-0012 EA 30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	435.74	222.75
For Up To 15, Add	10.41	
For >35, Deduct	-6.94	
For 3 In 12 Slope, Add	4.16	
For 5 In 12 Slope, Add	11.10	
For 6 In 12 Slope, Add	20.81	
For 7 In 12 Slope, Add	27.75	
For 8 In 12 Slope, Add	33.30	
06 17 53 00-0013 EA 32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	456.68	152.03
For Up To 15, Add	11.45	
For >35, Deduct	-7.63	
For 3 In 12 Slope, Add	4.58	
For 5 In 12 Slope, Add	12.21	
For 6 In 12 Slope, Add	22.89	
For 7 In 12 Slope, Add	30.52	
For 8 In 12 Slope, Add	36.63	
06 17 53 00-0014 EA 34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	501.20	238.72
For Up To 15, Add	13.72	
For >35, Deduct	-9.15	
For 3 In 12 Slope, Add	5.49	
For 5 In 12 Slope, Add	14.64	
For 6 In 12 Slope, Add	27.45	
For 7 In 12 Slope, Add	36.60	
For 8 In 12 Slope, Add	43.92	
06 17 53 00-0015 EA 36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	522.67	162.64
For Up To 15, Add	14.80	
For >35, Deduct	-9.87	
For 3 In 12 Slope, Add	5.92	
For 5 In 12 Slope, Add	15.79	
For 6 In 12 Slope, Add	29.61	
For 7 In 12 Slope, Add	39.48	
For 8 In 12 Slope, Add	47.37	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0016	EA	38'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	550.29	254.56
			<i>For Up To 15, Add</i>	15.82	
			<i>For &gt;35, Deduct</i>	-10.54	
			<i>For 3 In 12 Slope, Add</i>	6.33	
			<i>For 5 In 12 Slope, Add</i>	16.87	
			<i>For 6 In 12 Slope, Add</i>	31.63	
			<i>For 7 In 12 Slope, Add</i>	42.17	
			<i>For 8 In 12 Slope, Add</i>	50.61	
06 17 53 00-0017	EA	40'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	568.96	176.78
			<i>For Up To 15, Add</i>	16.15	
			<i>For &gt;35, Deduct</i>	-10.77	
			<i>For 3 In 12 Slope, Add</i>	6.46	
			<i>For 5 In 12 Slope, Add</i>	17.23	
			<i>For 6 In 12 Slope, Add</i>	32.31	
			<i>For 7 In 12 Slope, Add</i>	43.08	
			<i>For 8 In 12 Slope, Add</i>	51.69	
06 17 53 00-0018	EA	42'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	628.63	275.78
			<i>For Up To 15, Add</i>	19.57	
			<i>For &gt;35, Deduct</i>	-13.05	
			<i>For 3 In 12 Slope, Add</i>	7.83	
			<i>For 5 In 12 Slope, Add</i>	20.87	
			<i>For 6 In 12 Slope, Add</i>	39.14	
			<i>For 7 In 12 Slope, Add</i>	52.19	
			<i>For 8 In 12 Slope, Add</i>	62.62	
06 17 53 00-0019	EA	44'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	687.09	190.93
			<i>For Up To 15, Add</i>	22.89	
			<i>For &gt;35, Deduct</i>	-15.26	
			<i>For 3 In 12 Slope, Add</i>	9.16	
			<i>For 5 In 12 Slope, Add</i>	24.42	
			<i>For 6 In 12 Slope, Add</i>	45.79	
			<i>For 7 In 12 Slope, Add</i>	61.05	
			<i>For 8 In 12 Slope, Add</i>	73.26	
06 17 53 00-0020	EA	46'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	711.08	198.00
			<i>For Up To 15, Add</i>	23.63	
			<i>For &gt;35, Deduct</i>	-15.75	
			<i>For 3 In 12 Slope, Add</i>	9.45	
			<i>For 5 In 12 Slope, Add</i>	25.21	
			<i>For 6 In 12 Slope, Add</i>	47.26	
			<i>For 7 In 12 Slope, Add</i>	63.02	
			<i>For 8 In 12 Slope, Add</i>	75.62	
06 17 53 00-0021	EA	48'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	746.93	205.07
			<i>For Up To 15, Add</i>	25.26	
			<i>For &gt;35, Deduct</i>	-16.84	
			<i>For 3 In 12 Slope, Add</i>	10.10	
			<i>For 5 In 12 Slope, Add</i>	26.94	
			<i>For 6 In 12 Slope, Add</i>	50.52	
			<i>For 7 In 12 Slope, Add</i>	67.36	
			<i>For 8 In 12 Slope, Add</i>	80.83	
06 17 53 00-0022	EA	50'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	855.40	212.13
			<i>For Up To 15, Add</i>	32.33	
			<i>For &gt;35, Deduct</i>	-21.56	
			<i>For 3 In 12 Slope, Add</i>	12.93	
			<i>For 5 In 12 Slope, Add</i>	34.49	
			<i>For 6 In 12 Slope, Add</i>	64.67	
			<i>For 7 In 12 Slope, Add</i>	86.22	
			<i>For 8 In 12 Slope, Add</i>	103.47	
06 17 53 00-0023	EA	52'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	809.88	190.78
			<i>For Up To 15, Add</i>	28.92	
			<i>For &gt;35, Deduct</i>	-19.28	
			<i>For 3 In 12 Slope, Add</i>	11.57	
			<i>For 5 In 12 Slope, Add</i>	30.85	
			<i>For 6 In 12 Slope, Add</i>	57.84	
			<i>For 7 In 12 Slope, Add</i>	77.12	
			<i>For 8 In 12 Slope, Add</i>	92.54	
06 17 53 00-0024	EA	54'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	849.71	222.75
			<i>For Up To 15, Add</i>	30.32	
			<i>For &gt;35, Deduct</i>	-20.21	
			<i>For 3 In 12 Slope, Add</i>	12.13	
			<i>For 5 In 12 Slope, Add</i>	32.34	
			<i>For 6 In 12 Slope, Add</i>	60.63	
			<i>For 7 In 12 Slope, Add</i>	80.84	
			<i>For 8 In 12 Slope, Add</i>	97.01	
06 17 53 00-0025	EA	56'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	883.73	206.48
			<i>For Up To 15, Add</i>	31.81	
			<i>For &gt;35, Deduct</i>	-21.20	
			<i>For 3 In 12 Slope, Add</i>	12.72	
			<i>For 5 In 12 Slope, Add</i>	33.93	
			<i>For 6 In 12 Slope, Add</i>	63.61	
			<i>For 7 In 12 Slope, Add</i>	84.82	
			<i>For 8 In 12 Slope, Add</i>	101.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0026 EA 58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	914.34	233.35
For Up To 15, Add	33.57	
For >35, Deduct	-22.38	
For 3 In 12 Slope, Add	13.43	
For 5 In 12 Slope, Add	35.81	
For 6 In 12 Slope, Add	67.14	
For 7 In 12 Slope, Add	89.53	
For 8 In 12 Slope, Add	107.43	
06 17 53 00-0027 EA 60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	933.53	236.89
For Up To 15, Add	34.48	
For >35, Deduct	-22.99	
For 3 In 12 Slope, Add	13.79	
For 5 In 12 Slope, Add	36.78	
For 6 In 12 Slope, Add	68.96	
For 7 In 12 Slope, Add	91.95	
For 8 In 12 Slope, Add	110.34	
<b>06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses</b> <small>(06 17 53)</small>		
<small>Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords &gt;42'.</small>		
06 17 53 00-0029 EA 10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	205.81	74.25
For 3 In 12 Slope, Add	1.72	
For 5 In 12 Slope, Add	4.58	
For 6 In 12 Slope, Add	8.60	
For 7 In 12 Slope, Add	11.46	
For 8 In 12 Slope, Add	13.75	
For 16" On Center Gable Studs, Add	11.46	
06 17 53 00-0030 EA 12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	229.59	81.32
For 3 In 12 Slope, Add	2.01	
For 5 In 12 Slope, Add	5.36	
For 6 In 12 Slope, Add	10.04	
For 7 In 12 Slope, Add	13.39	
For 8 In 12 Slope, Add	16.07	
For 16" On Center Gable Studs, Add	13.39	
06 17 53 00-0031 EA 14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	257.34	88.39
For 3 In 12 Slope, Add	2.42	
For 5 In 12 Slope, Add	6.44	
For 6 In 12 Slope, Add	12.08	
For 7 In 12 Slope, Add	16.11	
For 8 In 12 Slope, Add	19.33	
For 16" On Center Gable Studs, Add	16.11	
06 17 53 00-0032 EA 16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	295.61	95.46
For 3 In 12 Slope, Add	3.14	
For 5 In 12 Slope, Add	8.37	
For 6 In 12 Slope, Add	15.70	
For 7 In 12 Slope, Add	20.94	
For 8 In 12 Slope, Add	25.12	
For 16" On Center Gable Studs, Add	20.94	
06 17 53 00-0033 EA 18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	327.83	102.54
For 3 In 12 Slope, Add	3.68	
For 5 In 12 Slope, Add	9.82	
For 6 In 12 Slope, Add	18.41	
For 7 In 12 Slope, Add	24.55	
For 8 In 12 Slope, Add	29.46	
For 16" On Center Gable Studs, Add	24.55	
06 17 53 00-0034 EA 20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	355.45	113.14
For 3 In 12 Slope, Add	3.88	
For 5 In 12 Slope, Add	10.33	
For 6 In 12 Slope, Add	19.38	
For 7 In 12 Slope, Add	25.83	
For 8 In 12 Slope, Add	31.00	
For 16" On Center Gable Studs, Add	25.83	
06 17 53 00-0035 EA 22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	373.36	120.21
For 3 In 12 Slope, Add	3.99	
For 5 In 12 Slope, Add	10.63	
For 6 In 12 Slope, Add	19.94	
For 7 In 12 Slope, Add	26.59	
For 8 In 12 Slope, Add	31.90	
For 16" On Center Gable Studs, Add	26.59	
06 17 53 00-0036 EA 24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	398.76	127.29
For 3 In 12 Slope, Add	4.33	
For 5 In 12 Slope, Add	11.54	
For 6 In 12 Slope, Add	21.63	
For 7 In 12 Slope, Add	28.84	
For 8 In 12 Slope, Add	34.61	
For 16" On Center Gable Studs, Add	28.84	
06 17 53 00-0037 EA 26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	425.39	134.35
For 3 In 12 Slope, Add	4.70	
For 5 In 12 Slope, Add	12.53	
For 6 In 12 Slope, Add	23.50	
For 7 In 12 Slope, Add	31.34	
For 8 In 12 Slope, Add	37.60	
For 16" On Center Gable Studs, Add	31.34	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0038	EA	28'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	453.67	141.42
			<i>For 3 In 12 Slope, Add</i>	5.12	
			<i>For 5 In 12 Slope, Add</i>	13.66	
			<i>For 6 In 12 Slope, Add</i>	25.62	
			<i>For 7 In 12 Slope, Add</i>	34.16	
			<i>For 8 In 12 Slope, Add</i>	40.99	
			<i>For 16" On Center Gable Studs, Add</i>	34.16	
06 17 53 00-0039	EA	30'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	474.72	148.50
			<i>For 3 In 12 Slope, Add</i>	5.33	
			<i>For 5 In 12 Slope, Add</i>	14.22	
			<i>For 6 In 12 Slope, Add</i>	26.66	
			<i>For 7 In 12 Slope, Add</i>	35.55	
			<i>For 8 In 12 Slope, Add</i>	42.66	
			<i>For 16" On Center Gable Studs, Add</i>	35.55	
06 17 53 00-0040	EA	32'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	499.58	152.03
			<i>For 3 In 12 Slope, Add</i>	5.87	
			<i>For 5 In 12 Slope, Add</i>	15.64	
			<i>For 6 In 12 Slope, Add</i>	29.33	
			<i>For 7 In 12 Slope, Add</i>	39.10	
			<i>For 8 In 12 Slope, Add</i>	46.92	
			<i>For 16" On Center Gable Studs, Add</i>	39.10	
06 17 53 00-0041	EA	34'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	552.61	159.10
			<i>For 3 In 12 Slope, Add</i>	7.03	
			<i>For 5 In 12 Slope, Add</i>	18.75	
			<i>For 6 In 12 Slope, Add</i>	35.16	
			<i>For 7 In 12 Slope, Add</i>	46.88	
			<i>For 8 In 12 Slope, Add</i>	56.26	
			<i>For 16" On Center Gable Studs, Add</i>	46.88	
06 17 53 00-0042	EA	36'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	578.15	162.64
			<i>For 3 In 12 Slope, Add</i>	7.59	
			<i>For 5 In 12 Slope, Add</i>	20.23	
			<i>For 6 In 12 Slope, Add</i>	37.93	
			<i>For 7 In 12 Slope, Add</i>	50.57	
			<i>For 8 In 12 Slope, Add</i>	60.69	
			<i>For 16" On Center Gable Studs, Add</i>	50.57	
06 17 53 00-0043	EA	38'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	609.54	169.72
			<i>For 3 In 12 Slope, Add</i>	8.10	
			<i>For 5 In 12 Slope, Add</i>	21.61	
			<i>For 6 In 12 Slope, Add</i>	40.52	
			<i>For 7 In 12 Slope, Add</i>	54.02	
			<i>For 8 In 12 Slope, Add</i>	64.83	
			<i>For 16" On Center Gable Studs, Add</i>	54.02	
06 17 53 00-0044	EA	40'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	646.87	176.78
			<i>For 3 In 12 Slope, Add</i>	8.80	
			<i>For 5 In 12 Slope, Add</i>	23.46	
			<i>For 6 In 12 Slope, Add</i>	44.00	
			<i>For 7 In 12 Slope, Add</i>	58.66	
			<i>For 8 In 12 Slope, Add</i>	70.39	
			<i>For 16" On Center Gable Studs, Add</i>	58.66	
06 17 53 00-0045	EA	42'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	723.02	183.85
			<i>For 3 In 12 Slope, Add</i>	10.66	
			<i>For 5 In 12 Slope, Add</i>	28.43	
			<i>For 6 In 12 Slope, Add</i>	53.30	
			<i>For 7 In 12 Slope, Add</i>	71.06	
			<i>For 8 In 12 Slope, Add</i>	85.28	
			<i>For 16" On Center Gable Studs, Add</i>	71.06	
06 17 53 00-0046	EA	44'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	797.50	190.93
			<i>For 3 In 12 Slope, Add</i>	12.47	
			<i>For 5 In 12 Slope, Add</i>	33.25	
			<i>For 6 In 12 Slope, Add</i>	62.35	
			<i>For 7 In 12 Slope, Add</i>	83.13	
			<i>For 8 In 12 Slope, Add</i>	99.76	
			<i>For 16" On Center Gable Studs, Add</i>	83.13	
06 17 53 00-0047	EA	46'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	825.05	198.00
			<i>For 3 In 12 Slope, Add</i>	12.87	
			<i>For 5 In 12 Slope, Add</i>	34.32	
			<i>For 6 In 12 Slope, Add</i>	64.36	
			<i>For 7 In 12 Slope, Add</i>	85.81	
			<i>For 8 In 12 Slope, Add</i>	102.97	
			<i>For 16" On Center Gable Studs, Add</i>	85.81	
06 17 53 00-0048	EA	48'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	868.74	205.07
			<i>For 3 In 12 Slope, Add</i>	13.76	
			<i>For 5 In 12 Slope, Add</i>	36.69	
			<i>For 6 In 12 Slope, Add</i>	68.79	
			<i>For 7 In 12 Slope, Add</i>	91.72	
			<i>For 8 In 12 Slope, Add</i>	110.07	
			<i>For 16" On Center Gable Studs, Add</i>	91.72	
06 17 53 00-0049	EA	50'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	950.53	212.13
			<i>For 3 In 12 Slope, Add</i>	15.79	
			<i>For 5 In 12 Slope, Add</i>	42.10	
			<i>For 6 In 12 Slope, Add</i>	78.94	
			<i>For 7 In 12 Slope, Add</i>	105.25	
			<i>For 8 In 12 Slope, Add</i>	126.30	
			<i>For 16" On Center Gable Studs, Add</i>	105.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0050 EA 52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	971.69	219.21
<i>For 3 In 12 Slope, Add</i>	16.00	
<i>For 5 In 12 Slope, Add</i>	42.66	
<i>For 6 In 12 Slope, Add</i>	79.99	
<i>For 7 In 12 Slope, Add</i>	106.65	
<i>For 8 In 12 Slope, Add</i>	127.98	
<i>For 16" On Center Gable Studs, Add</i>	106.65	
06 17 53 00-0051 EA 54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	1,004.53	222.75
<i>For 3 In 12 Slope, Add</i>	16.77	
<i>For 5 In 12 Slope, Add</i>	44.72	
<i>For 6 In 12 Slope, Add</i>	83.86	
<i>For 7 In 12 Slope, Add</i>	111.81	
<i>For 8 In 12 Slope, Add</i>	134.17	
<i>For 16" On Center Gable Studs, Add</i>	111.81	
06 17 53 00-0052 EA 56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	1,046.14	229.81
<i>For 3 In 12 Slope, Add</i>	17.60	
<i>For 5 In 12 Slope, Add</i>	46.92	
<i>For 6 In 12 Slope, Add</i>	87.98	
<i>For 7 In 12 Slope, Add</i>	117.30	
<i>For 8 In 12 Slope, Add</i>	140.76	
<i>For 16" On Center Gable Studs, Add</i>	117.30	
06 17 53 00-0053 EA 58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	1,085.76	233.35
<i>For 3 In 12 Slope, Add</i>	18.57	
<i>For 5 In 12 Slope, Add</i>	49.52	
<i>For 6 In 12 Slope, Add</i>	92.86	
<i>For 7 In 12 Slope, Add</i>	123.81	
<i>For 8 In 12 Slope, Add</i>	148.57	
<i>For 16" On Center Gable Studs, Add</i>	123.81	
06 17 53 00-0054 EA 60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	1,109.61	236.89
<i>For 3 In 12 Slope, Add</i>	19.08	
<i>For 5 In 12 Slope, Add</i>	50.87	
<i>For 6 In 12 Slope, Add</i>	95.38	
<i>For 7 In 12 Slope, Add</i>	127.17	
<i>For 8 In 12 Slope, Add</i>	152.60	
<i>For 16" On Center Gable Studs, Add</i>	127.17	

## 06 18 Glued-Laminated Construction (06 10)

### 06 18 13 Glued-Laminated Beams (06 18)

#### 06 18 13 00-0001 Glue Laminated Straight Beams (06 18 13)

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002 LF 3-1/2" x 6" Glue Laminated Straight Beam .....	10.93	2.97
06 18 13 00-0003 LF 3-1/2" x 7-1/2" Glue Laminated Straight Beam .....	13.63	3.70
06 18 13 00-0004 LF 3-1/2" x 9" Glue Laminated Straight Beam .....	16.37	4.44
06 18 13 00-0005 LF 3-1/2" x 9-1/2" Glue Laminated Straight Beam .....	17.28	4.70
06 18 13 00-0006 LF 3-1/2" x 10-1/2" Glue Laminated Straight Beam .....	19.10	5.18
06 18 13 00-0007 LF 3-1/2" x 12" Glue Laminated Straight Beam .....	21.83	5.93
06 18 13 00-0008 LF 3-1/2" x 13-1/2" Glue Laminated Straight Beam .....	24.56	6.67
06 18 13 00-0009 LF 3-1/2" x 14" Glue Laminated Straight Beam .....	25.48	6.92
06 18 13 00-0010 LF 3-1/2" x 15" Glue Laminated Straight Beam .....	27.30	7.41
06 18 13 00-0011 LF 3-1/2" x 16" Glue Laminated Straight Beam .....	29.09	7.91
06 18 13 00-0012 LF 3-1/2" x 16-1/2" Glue Laminated Straight Beam .....	30.02	8.16
06 18 13 00-0013 LF 3-1/2" x 18" Glue Laminated Straight Beam .....	32.74	8.91
06 18 13 00-0014 LF 3-1/2" x 19-1/2" Glue Laminated Straight Beam .....	35.48	9.64
06 18 13 00-0015 LF 3-1/2" x 21" Glue Laminated Straight Beam .....	38.20	10.38
06 18 13 00-0016 LF 3-1/2" x 22.5" Glue Laminated Straight Beam .....	40.94	11.12
06 18 13 00-0017 LF 5-1/2" x 6" Glue Laminated Straight Beam .....	17.16	4.66
06 18 13 00-0018 LF 5-1/2" x 7-1/2" Glue Laminated Straight Beam .....	21.44	5.83
06 18 13 00-0019 LF 5-1/2" x 9" Glue Laminated Straight Beam .....	25.73	6.99
06 18 13 00-0020 LF 5-1/2" x 9-1/2" Glue Laminated Straight Beam .....	27.15	7.39
06 18 13 00-0021 LF 5-1/2" x 10-1/2" Glue Laminated Straight Beam .....	30.02	8.16
06 18 13 00-0022 LF 5-1/2" x 12" Glue Laminated Straight Beam .....	34.30	9.32
06 18 13 00-0023 LF 5-1/2" x 13-1/2" Glue Laminated Straight Beam .....	38.60	10.49
06 18 13 00-0024 LF 5-1/2" x 14" Glue Laminated Straight Beam .....	40.01	10.88
06 18 13 00-0025 LF 5-1/2" x 15" Glue Laminated Straight Beam .....	42.88	11.65
06 18 13 00-0026 LF 5-1/2" x 16" Glue Laminated Straight Beam .....	45.74	12.43
06 18 13 00-0027 LF 5-1/2" x 16-1/2" Glue Laminated Straight Beam .....	47.17	12.83
06 18 13 00-0028 LF 5-1/2" x 18" Glue Laminated Straight Beam .....	51.47	13.97
06 18 13 00-0029 LF 5-1/2" x 19-1/2" Glue Laminated Straight Beam .....	55.75	15.15
06 18 13 00-0030 LF 5-1/2" x 21" Glue Laminated Straight Beam .....	60.04	16.31
06 18 13 00-0031 LF 5-1/2" x 22.5" Glue Laminated Straight Beam .....	64.32	17.48
06 18 13 00-0032 LF 5-1/2" x 24" Glue Laminated Straight Beam .....	68.62	18.64
06 18 13 00-0033 LF 6-3/4" x 9" Glue Laminated Straight Beam .....	31.59	8.58
06 18 13 00-0034 LF 6-3/4" x 9-1/2" Glue Laminated Straight Beam .....	33.33	9.06
06 18 13 00-0035 LF 6-3/4" x 10-1/2" Glue Laminated Straight Beam .....	36.84	10.01
06 18 13 00-0036 LF 6-3/4" x 12" Glue Laminated Straight Beam .....	42.11	11.43
06 18 13 00-0037 LF 6-3/4" x 13-1/2" Glue Laminated Straight Beam .....	47.38	12.87
06 18 13 00-0038 LF 6-3/4" x 14" Glue Laminated Straight Beam .....	49.12	13.35
06 18 13 00-0039 LF 6-3/4" x 15" Glue Laminated Straight Beam .....	52.63	14.30
06 18 13 00-0040 LF 6-3/4" x 16" Glue Laminated Straight Beam .....	56.14	15.25
06 18 13 00-0041 LF 6-3/4" x 16-1/2" Glue Laminated Straight Beam .....	57.89	15.72
06 18 13 00-0042 LF 6-3/4" x 18" Glue Laminated Straight Beam .....	63.14	17.16

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 18 Glued-Laminated Construction**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam .....		68.42	18.59
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam .....		73.68	20.02
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam.....		78.94	21.44
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam .....		84.20	22.88
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam .....		40.94	11.12
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam .....		43.21	11.74
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam .....		47.76	12.98
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam .....		54.57	14.83
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam .....		61.40	16.68
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam .....		63.67	17.30
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam .....		68.21	18.53
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam .....		72.76	19.77
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam .....		75.06	20.39
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam .....		81.87	22.23
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam .....		88.69	24.09
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam .....		95.51	25.95
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam.....		102.34	27.81
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam .....		109.16	29.65
<b>06 18 13 00-0061</b>		<b>Glue Laminated Decking</b> <small>(06 18 13)</small>			
06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking .....		5.56	1.87
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking .....		5.69	1.87
06 18 13 00-0064	LF	2" - 4" Thick x 8" Wide Glue Laminated Decking .....		5.80	1.77
<b>06 18 16</b>		<b>Glued-Laminated Columns</b> <small>(06 18)</small>			
<b>06 18 16 00-0001</b>		<b>Glue Laminated Structural Units</b> <small>(06 18 16)</small>			
		Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.			
06 18 16 00-0002	LF	3-1/4" x 7-1/2" Glue Laminated Purlin Or Column.....		16.84	3.84
06 18 16 00-0003	LF	3-1/4" x 9-1/4" Glue Laminated Purlin Or Column.....		18.97	4.27
06 18 16 00-0004	LF	5-1/4" x 9-1/4" Glue Laminated Purlin Or Column.....		35.25	9.11
06 18 16 00-0005	LF	5-1/4" x 13" Glue Laminated Purlin Or Column.....		38.90	9.54
<b>06 20</b>		<b>Finish Carpentry</b> <small>(06)</small>			
<b>06 22</b>		<b>Millwork</b> <small>(06 20)</small>			
<b>06 22 13</b>		<b>Standard Pattern Wood Trim</b> <small>(06 22)</small>			
<b>06 22 13 00-0001</b>		<b>Pine Moldings (All Dimensions Are Nominal)</b> <small>(06 22 13)</small>			
06 22 13 00-0002	LF	1/4" x 1-1/4" Wood Lattice Strip .....		3.14	1.09
		For Curved Surfaces With A 2'-0" Maximum Radius, Add		0.41	
06 22 13 00-0003	LF	1/4" x 1-5/8" Wood Lattice Strip .....		3.29	0.88
		For Curved Surfaces With A 2'-0" Maximum Radius, Add		0.41	
06 22 13 00-0004	LF	1/4" x 2-1/2" Wood Lattice Strip .....		4.19	0.88
		For Curved Surfaces With A 2'-0" Maximum Radius, Add		0.41	
06 22 13 00-0005	LF	1/4" x 3-1/2" Wood Lattice Strip .....		4.71	0.88
		For Curved Surfaces With A 2'-0" Maximum Radius, Add		0.41	
<b>06 22 13 00-0006</b>		<b>Ceilings (All Dimensions Are Nominal)</b> <small>(06 22 13)</small>			
<b>06 22 13 00-0007</b>		<b>White Pine</b> <small>(06 22 13 00-0006)</small>			
06 22 13 00-0008	LF	9/16" x 3-5/8" White Pine Crown Or Bed Molding .....		14.81	3.82
		For Birch, Add		3.37	
		For Mahogany, Oak, Maple Or Walnut, Add		4.76	
		For Poplar, Add		1.87	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add		1.25	
		For Stain Grade Material (No Finger Joints), Add		1.22	
06 22 13 00-0009	LF	11/16" x 4-5/8" White Pine Crown Or Bed Molding .....		19.89	4.57
		For Birch, Add		4.81	
		For Mahogany, Oak, Maple Or Walnut, Add		6.67	
		For Poplar, Add		2.67	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add		1.50	
		For Stain Grade Material (No Finger Joints), Add		1.74	
06 22 13 00-0010	LF	3/4" x 3/4" White Pine Crown Or Bed Molding .....		7.15	2.62
		For Birch, Add		1.00	
		For Mahogany, Oak, Maple Or Walnut, Add		1.69	
		For Poplar, Add		0.56	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add		1.00	
		For Stain Grade Material (No Finger Joints), Add		0.36	
06 22 13 00-0011	LF	9/16" x 1-5/8" White Pine Crown Or Bed Molding .....		8.16	2.62
		For Birch, Add		1.37	
		For Mahogany, Oak, Maple Or Walnut, Add		2.15	
		For Poplar, Add		0.76	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add		1.00	
		For Stain Grade Material (No Finger Joints), Add		0.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0012 LF 9/16" x 2-1/4" White Pine Crown Or Bed Molding.....	10.72	3.27
For Birch, Add	1.90	
For Mahogany, Oak, Maple Or Walnut, Add	2.92	
For Poplar, Add	1.05	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.25	
For Stain Grade Material (No Finger Joints), Add	0.69	
06 22 13 00-0013 LF 3/4" x 3-1/2" White Pine Crown Or Bed Molding.....	12.39	3.27
For Birch, Add	2.50	
For Mahogany, Oak, Maple Or Walnut, Add	3.67	
For Poplar, Add	1.39	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.25	
For Stain Grade Material (No Finger Joints), Add	0.90	
06 22 13 00-0014 LF 5/8" x 4-1/4" White Pine Crown Or Bed Molding.....	15.39	3.93
For Birch, Add	3.19	
For Mahogany, Oak, Maple Or Walnut, Add	4.64	
For Poplar, Add	1.77	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.50	
For Stain Grade Material (No Finger Joints), Add	1.15	
06 22 13 00-0015 LF 1" x 2" White Pine Dentil Molding .....	7.41	3.05
For Birch, Add	1.10	
For Mahogany, Oak, Maple Or Walnut, Add	1.81	
For Poplar, Add	0.61	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.00	
For Stain Grade Material (No Finger Joints), Add	0.40	
06 22 13 00-0016 LF 9/16" x 1-3/4" White Pine Cove Molding .....	6.27	2.29
For Birch, Add	1.08	
For Mahogany, Oak, Maple Or Walnut, Add	1.68	
For Poplar, Add	0.60	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.75	
For Stain Grade Material (No Finger Joints), Add	0.39	
06 22 13 00-0017 LF 11/16" x 2-3/4" White Pine Cove Molding .....	9.47	2.29
For Birch, Add	2.23	
For Mahogany, Oak, Maple Or Walnut, Add	3.12	
For Poplar, Add	1.24	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.75	
For Stain Grade Material (No Finger Joints), Add	0.81	
06 22 13 00-0018 LF 3/8" x 3/8" White Pine Cove Molding .....	3.69	1.31
For Birch, Add	0.51	
For Mahogany, Oak, Maple Or Walnut, Add	0.87	
For Poplar, Add	0.28	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.52	
For Stain Grade Material (No Finger Joints), Add	0.18	
06 22 13 00-0019 LF 1/2" x 1/2" White Pine Cove Molding .....	4.04	1.31
For Birch, Add	0.64	
For Mahogany, Oak, Maple Or Walnut, Add	1.02	
For Poplar, Add	0.35	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.52	
For Stain Grade Material (No Finger Joints), Add	0.23	
06 22 13 00-0020 LF 5/8" x 5/8" White Pine Cove Molding .....	5.41	1.63
For Birch, Add	0.96	
For Mahogany, Oak, Maple Or Walnut, Add	1.48	
For Poplar, Add	0.54	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.63	
For Stain Grade Material (No Finger Joints), Add	0.35	
06 22 13 00-0021 LF 3/4" x 3/4" White Pine Cove Molding .....	5.41	1.63
For Birch, Add	0.96	
For Mahogany, Oak, Maple Or Walnut, Add	1.48	
For Poplar, Add	0.54	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.63	
For Stain Grade Material (No Finger Joints), Add	0.35	
06 22 13 00-0022 LF 15/16" x 15/16" White Pine Cove Molding .....	7.04	1.63
For Birch, Add	1.55	
For Mahogany, Oak, Maple Or Walnut, Add	2.21	
For Poplar, Add	0.86	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.63	
For Stain Grade Material (No Finger Joints), Add	0.56	
06 22 13 00-0023 LF 7-1/2" Wide Mullion Covers .....	46.15	1.96
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.89	
06 22 13 00-0024 LF Three Piece Mullion Trim, 2 Cove Moldings .....	58.46	1.96
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.89	
06 22 13 00-0025 LF 2-1/2" - 3-1/2" Staff Molding .....	18.27	1.09
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.52	
06 22 13 00-0026 LF 2-1/2" - 3-1/2" Cove Staff Molding .....	22.38	1.09
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.52	
<b>06 22 13 00-0027 Cedar Trim</b> <small>(06 22 13 00-0006)</small>		
06 22 13 00-0028 LF 2" x 4" Cedar Ceiling Trim.....	12.47	5.49
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.82	
<b>06 22 13 00-0029 Oak Trim</b> <small>(06 22 13 00-0006)</small>		
06 22 13 00-0030 LF 1" x 8" Clear Oak Ceiling Trim .....	13.00	5.06
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.68	

**06 Wood, Plastics, and Composites****06 20 Finish Carpentry**

06 22 Millwork



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0031			<b>Closet Poles</b> <small>(06 22 13)</small>		
06 22 13 00-0032	LF		1-1/8" Diameter Pine Closet Poles.....	10.92	2.83
06 22 13 00-0033	LF		1-5/8" Diameter Pine Closet Poles.....	13.32	2.83
06 22 13 00-0034	LF		2" Diameter Pine Closet Poles.....	18.26	3.16
06 25			<b>Prefinished Paneling</b> <small>(06 20)</small>		
06 25 16			<b>Prefinished Plywood Paneling</b> <small>(06 25)</small>		
06 25 16 00-0001			<b>Hardboard Panels</b> <small>(06 25 16)</small> Note: Excludes furring and trim.		
06 25 16 00-0002			<b>Tempered Hardboard Panels</b> <small>(06 25 16 00-0001)</small>		
06 25 16 00-0003	SF		1/4" Tempered Hardboard Panels.....	5.51	1.97
			For Waterproof Glue, Add	0.07	
			For Ceiling Installation, Add	1.35	
			For Glue Laminated Installation, Add	0.28	
			For 1/8" Thick Paneling, Deduct	-0.48	
			For 1/2" Thick Paneling, Add	1.09	
			For 5/8" Thick Paneling, Add	1.30	
			For 3/4" Thick Paneling, Add	1.58	
			For Fire Retardant Treatment (Class I), Add	0.81	
06 25 16 00-0004	SF		1/4" Plastic Faced Tempered Hardboard Panels.....	6.20	2.42
			For Waterproof Glue, Add	0.07	
			For Ceiling Installation, Add	1.58	
			For Glue Laminated Installation, Add	0.31	
			For 1/8" Thick Paneling, Deduct	-0.52	
			For 1/2" Thick Paneling, Add	1.13	
			For 5/8" Thick Paneling, Add	1.33	
			For 3/4" Thick Paneling, Add	1.58	
			For Fire Retardant Treatment (Class I), Add	0.73	
06 25 16 00-0005	SF		1/4" Pegboard Tempered Hardboard Panels.....	6.21	1.97
			For Waterproof Glue, Add	0.12	
			For Ceiling Installation, Add	1.35	
			For Glue Laminated Installation, Add	0.31	
			For 1/8" Thick Paneling, Deduct	-0.60	
			For 1/2" Thick Paneling, Add	1.47	
			For 5/8" Thick Paneling, Add	1.83	
			For 3/4" Thick Paneling, Add	2.29	
			For Fire Retardant Treatment (Class I), Add	1.36	
06 25 16 00-0006	SF		1/4" Plastic Faced Pegboard Tempered Hardboard.....	6.41	2.42
			For Waterproof Glue, Add	0.08	
			For Ceiling Installation, Add	1.58	
			For Glue Laminated Installation, Add	0.32	
			For 1/8" Thick Paneling, Deduct	-0.56	
			For 1/2" Thick Paneling, Add	1.25	
			For 5/8" Thick Paneling, Add	1.49	
			For 3/4" Thick Paneling, Add	1.80	
			For Fire Retardant Treatment (Class I), Add	0.90	
06 25 16 00-0007			<b>Untempered Hardboard Panels</b> <small>(06 25 16 00-0001)</small>		
06 25 16 00-0008	SF		1/4" Untempered Hardboard Panels.....	5.29	1.97
			For Waterproof Glue, Add	0.06	
			For Glue Laminated Installation, Add	0.26	
			For Lumber Core, Add	0.09	
			For Fire Retardant Treatment (Class I), Add	0.63	
06 40			<b>Architectural Woodwork</b> <small>(06)</small>		
06 41			<b>Architectural Wood Casework</b> <small>(06 40)</small>		
06 41 13			<b>Wood-Veneer-Faced Architectural Cabinets</b> <small>(06 41)</small>		
06 41 13 00-0001			<b>Removal And Reinstallation Of Cabinet Or Counters</b> <small>(06 41 13)</small> Note: Includes storage, cleaning and supply materials. Any height or width.		
06 41 13 00-0002	LF		Removal And Reinstallation Of Wood Base Cabinets.....	83.37	
06 41 13 00-0003	LF		Removal And Reinstallation Of Wall Cabinets.....	72.50	
06 41 13 00-0004	LF		Removal And Reinstallation Of Plastic Laminated Countertops.....	17.17	
06 41 13 00-0005			<b>Wood-Veneer Faced Wall And Base Cabinets</b> <small>(06 41 13)</small> Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.		
06 41 13 00-0006			<b>Solid Maple Face Frame And Door, Wall And Base Cabinets</b> <small>(06 41 13 00-0005)</small>		
06 41 13 00-0007			<b>Base Cabinets, 35" High, 23-3/4" Deep</b> <small>(06 41 13 00-0006)</small>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0008 EA 12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	397.58	21.79
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0009 EA 15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	423.22	27.24
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0010 EA 18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	442.63	32.69
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0011 EA 21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	465.89	38.14
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0012 EA 24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	531.10	43.59
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0013 EA 27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	555.47	49.04
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0014 EA 30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	601.25	54.48
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0015 EA 33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	633.61	59.93
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0016 EA 36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	653.30	65.38
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0017 EA 48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	745.79	87.18
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	239.12	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0018 EA 30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	828.21	54.48
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	239.12	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0019 EA 36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	919.78	65.38
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	239.12	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0020 EA 30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	869.76	54.48
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0021 EA 36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	971.45	65.38
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0022 EA 12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	403.66	21.79
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0023 EA 15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	413.09	27.24
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0024 EA 18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	451.75	32.69
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0025 EA 21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	481.08	38.14
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0026 EA 24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	501.72	43.59
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0027 EA 27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	527.10	49.04
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0028 EA 30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	867.73	54.48
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
<i>For All Plywood Box Construction, Add</i>	124.63	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0029	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	915.28	59.93
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0030	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	962.34	65.38
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0031	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	496.88	21.79
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0032	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	507.32	27.24
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0033	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	551.04	32.69
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0034	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	586.46	38.14
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0035	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	617.22	43.59
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0036	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	648.69	49.04
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0037	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	910.28	54.48
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0038	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	962.91	59.93
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0039	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	1,017.05	65.38
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
<b>06 41 13 00-0040</b>			<b>Wall Cabinet, 12" High, 12" Deep</b> <small>(06 41 13 00-0006)</small>		
06 41 13 00-0041	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	356.04	54.48
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0042	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	380.20	59.93
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0043	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	419.28	65.38
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0044	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	447.65	70.83
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0045</b>			<b>Wall Cabinets, 14" High, 12" Deep</b> <small>(06 41 13 00-0006)</small>		
06 41 13 00-0046	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	301.89	21.79
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0047	EA		15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	309.13	27.24
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0048	EA		18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	324.49	32.69
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0049	EA		21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	332.74	38.14
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0050	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	342.02	43.59
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0051	EA		30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	358.38	54.48
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0052	EA		33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	383.86	59.93
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0053	EA		36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	419.28	65.38
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0054	EA		39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	447.65	70.83
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0055</b>			<b>Wall Cabinets, 18" High, 12" Deep</b> <small>(06 41 13 00-0006)</small>		
06 41 13 00-0056	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	314.05	21.79
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0057	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	330.41	27.24
			<i>For All Plywood Box Construction, Add</i>	66.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0058 EA 18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	342.73 66.87	32.69
06 41 13 00-0059 EA 21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	356.04 66.87	38.14
06 41 13 00-0060 EA 24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	374.45 66.87	43.59
06 41 13 00-0061 EA 27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	395.79 66.87	49.06
06 41 13 00-0062 EA 30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	415.12 66.87	54.48
06 41 13 00-0063 EA 33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	430.47 66.87	59.93
06 41 13 00-0064 EA 36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	439.54 66.87	65.38
<b>06 41 13 00-0065 Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0006)</b>		
06 41 13 00-0066 EA 12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	340.67 66.87	21.79
06 41 13 00-0067 EA 15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	371.25 66.87	27.24
06 41 13 00-0068 EA 18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	396.51 66.87	32.69
06 41 13 00-0069 EA 21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	427.11 66.87	38.14
06 41 13 00-0070 EA 24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	456.74 66.87	43.59
06 41 13 00-0071 EA 27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	501.38 66.87	49.06
06 41 13 00-0072 EA 30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	513.61 66.87	54.48
06 41 13 00-0073 EA 33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	560.54 66.87	59.93
06 41 13 00-0074 EA 36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	577.06 66.87	65.38
<b>06 41 13 00-0075 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0006)</b>		
06 41 13 00-0076 EA 12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	384.24 66.87	21.79
06 41 13 00-0077 EA 15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	416.85 66.87	27.24
06 41 13 00-0078 EA 18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	445.15 66.87	32.69
06 41 13 00-0079 EA 21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	477.77 66.87	38.14
06 41 13 00-0080 EA 24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	561.10 66.87	43.59
06 41 13 00-0081 EA 27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	564.20 66.87	49.06
06 41 13 00-0082 EA 30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	584.54 66.87	54.48
06 41 13 00-0083 EA 33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	639.58 66.87	59.93
06 41 13 00-0084 EA 36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	656.09 66.87	65.38
<b>06 41 13 00-0085 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0006)</b>		
06 41 13 00-0086 EA 12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	429.83 66.87	21.79
06 41 13 00-0087 EA 15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	469.53 66.87	27.24
06 41 13 00-0088 EA 18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	499.86 66.87	32.69
06 41 13 00-0089 EA 21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	531.47 66.87	38.14
06 41 13 00-0090 EA 24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	579.34 66.87	43.59
06 41 13 00-0091 EA 27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	618.91 66.87	49.06
06 41 13 00-0092 EA 30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	651.41 66.87	54.48
06 41 13 00-0093 EA 33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	713.54 66.87	59.93
06 41 13 00-0094 EA 36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	735.12 66.87	65.38
<b>06 41 13 00-0095 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0006)</b>		
06 41 13 00-0096 EA 30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	407.73 66.87	54.48

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
06 41 13 00-0097	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	438.06		59.93
		<i>For All Plywood Box Construction, Add</i>	66.87		
06 41 13 00-0098	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	470.92		65.38
		<i>For All Plywood Box Construction, Add</i>	66.87		
06 41 13 00-0099	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	509.52		70.83
		<i>For All Plywood Box Construction, Add</i>	66.87		
06 41 13 00-0100	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet.....	602.91		87.18
		<i>For All Plywood Box Construction, Add</i>	66.87		
<b>06 41 13 00-0101 Utility Cabinets, 84" High</b> <small>(06 41 13 00-0006)</small>					
06 41 13 00-0102	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	778.24		48.43
		<i>For All Plywood Box Construction, Add</i>	247.23		
06 41 13 00-0103	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	880.91		58.12
		<i>For All Plywood Box Construction, Add</i>	247.23		
06 41 13 00-0104	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	990.68		455.27
		<i>For All Plywood Box Construction, Add</i>	247.23		
06 41 13 00-0105	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,040.68		77.50
		<i>For All Plywood Box Construction, Add</i>	247.23		
06 41 13 00-0106	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,261.90		96.86
		<i>For All Plywood Box Construction, Add</i>	247.23		
06 41 13 00-0107	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,456.78		116.24
		<i>For All Plywood Box Construction, Add</i>	247.23		
06 41 13 00-0108	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	881.59		48.43
		<i>For All Plywood Box Construction, Add</i>	247.23		
06 41 13 00-0109	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	975.14		58.12
		<i>For All Plywood Box Construction, Add</i>	247.23		
06 41 13 00-0110	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,114.29		67.81
		<i>For All Plywood Box Construction, Add</i>	247.23		
06 41 13 00-0111	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,183.55		77.50
		<i>For All Plywood Box Construction, Add</i>	247.23		
06 41 13 00-0112	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,471.64		96.86
		<i>For All Plywood Box Construction, Add</i>	247.23		
06 41 13 00-0113	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,683.75		116.24
		<i>For All Plywood Box Construction, Add</i>	247.23		
<b>06 41 13 00-0114 Solid Oak Face Frame And Door, Wall And Base Cabinets</b> <small>(06 41 13 00-0005)</small>					
<b>06 41 13 00-0115 Base Cabinets, 35" High, 23-3/4" Deep</b> <small>(06 41 13 00-0114)</small>					
06 41 13 00-0116	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	358.06		21.79
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56		
		<i>For All Plywood Box Construction, Add</i>	124.63		
06 41 13 00-0117	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	380.67		27.24
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56		
		<i>For All Plywood Box Construction, Add</i>	124.63		
06 41 13 00-0118	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	398.05		32.69
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56		
		<i>For All Plywood Box Construction, Add</i>	124.63		
06 41 13 00-0119	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	419.28		38.14
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56		
		<i>For All Plywood Box Construction, Add</i>	124.63		
06 41 13 00-0120	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	476.39		43.59
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56		
		<i>For All Plywood Box Construction, Add</i>	124.63		
06 41 13 00-0121	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	498.73		49.04
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56		
		<i>For All Plywood Box Construction, Add</i>	124.63		
06 41 13 00-0122	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	538.43		54.48
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56		
		<i>For All Plywood Box Construction, Add</i>	124.63		
06 41 13 00-0123	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	567.75		59.93
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56		
		<i>For All Plywood Box Construction, Add</i>	124.63		
06 41 13 00-0124	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	585.42		65.38
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56		
		<i>For All Plywood Box Construction, Add</i>	124.63		
06 41 13 00-0125	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	667.77		87.18
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	239.12		
		<i>For All Plywood Box Construction, Add</i>	124.63		
06 41 13 00-0126	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	739.05		54.48
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	239.12		
		<i>For All Plywood Box Construction, Add</i>	124.63		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0127 EA 36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	819.47 239.12 124.63	65.38
06 41 13 00-0128 EA 30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	775.53 358.68 124.63	54.48
06 41 13 00-0129 EA 36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	865.07 358.68 124.63	65.38
06 41 13 00-0130 EA 12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	364.14 358.68 124.63	21.79
06 41 13 00-0131 EA 15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	372.56 358.68 124.63	27.24
06 41 13 00-0132 EA 18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	406.15 358.68 124.63	32.69
06 41 13 00-0133 EA 21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	432.45 358.68 124.63	38.14
06 41 13 00-0134 EA 24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	451.05 358.68 124.63	43.59
06 41 13 00-0135 EA 27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	473.40 358.68 124.63	49.04
06 41 13 00-0136 EA 30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	773.50 358.68 124.63	54.48
06 41 13 00-0137 EA 33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	814.97 358.68 124.63	59.93
06 41 13 00-0138 EA 36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	856.96 358.68 124.63	65.38
06 41 13 00-0139 EA 12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	445.20 478.24 124.63	21.79
06 41 13 00-0140 EA 15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	455.65 478.24 124.63	27.24
06 41 13 00-0141 EA 18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	494.30 478.24 124.63	32.69
06 41 13 00-0142 EA 21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	525.67 478.24 124.63	38.14
06 41 13 00-0143 EA 24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	552.38 478.24 124.63	43.59
06 41 13 00-0144 EA 27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	580.80 478.24 124.63	49.04
06 41 13 00-0145 EA 30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	810.99 478.24 124.63	54.48
06 41 13 00-0146 EA 33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	857.53 478.24 124.63	59.93
06 41 13 00-0147 EA 36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	905.60 478.24 124.63	65.38
<b>06 41 13 00-0148 Wall Cabinets, 12" High, 12" Deep</b> (06 41 13 00-0114)		
06 41 13 00-0149 EA 30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	321.59 66.87	54.48
06 41 13 00-0150 EA 33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	342.71 66.87	59.93
06 41 13 00-0151 EA 36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	377.74 66.87	65.38
06 41 13 00-0152 EA 39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	403.07 66.87	70.83
<b>06 41 13 00-0153 Wall Cabinets, 14" High, 12" Deep</b> (06 41 13 00-0114)		
06 41 13 00-0154 EA 12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	273.52 66.87	21.79
06 41 13 00-0155 EA 15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	279.75 66.87	27.24

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0156	EA		18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	293.08	32.69
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0157	EA		21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	301.33	38.14
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0158	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	309.60	43.59
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0159	EA		30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	323.93	54.48
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0160	EA		33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	346.37	59.93
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0161	EA		36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	377.74	65.38
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0162	EA		39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	403.07	70.83
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0163</b>			<b>Wall Cabinets, 18" High, 12" Deep</b> (06 41 13 00-0114)		
06 41 13 00-0164	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	283.66	21.79
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0165	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	297.98	27.24
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0166	EA		18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	309.29	32.69
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0167	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	321.59	38.14
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0168	EA		24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	337.97	43.59
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0169	EA		27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	357.29	49.06
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0170	EA		30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	373.58	54.48
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0171	EA		33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	387.91	59.93
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0172	EA		36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	395.97	65.38
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0173</b>			<b>Wall Cabinets, 30" High, 12" Deep</b> (06 41 13 00-0114)		
06 41 13 00-0174	EA		12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	309.26	21.79
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0175	EA		15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	336.80	27.24
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0176	EA		18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	359.03	32.69
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0177	EA		21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	385.57	38.14
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0178	EA		24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	412.16	43.59
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0179	EA		27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	451.73	49.06
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0180	EA		30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	462.95	54.48
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0181	EA		33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	503.80	59.93
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0182	EA		36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	519.31	65.38
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0183</b>			<b>Wall Cabinets, 36" High, 12" Deep</b> (06 41 13 00-0114)		
06 41 13 00-0184	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	347.76	21.79
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0185	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	376.32	27.24
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0186	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	401.58	32.69
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0187	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	430.15	38.14
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0188	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	504.36	43.59
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0189	EA		27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	506.44	49.06
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0190	EA		30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	524.76	54.48
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0191	EA		33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	573.72	59.93
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0192	EA		36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	588.20	65.38
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0193</b>			<b>Wall Cabinets, 42" High, 12" Deep</b> (06 41 13 00-0114)		
06 41 13 00-0194	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	387.28	21.79
			<i>For All Plywood Box Construction, Add</i>	66.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0195 EA 15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	422.93 66.87	27.24
06 41 13 00-0196 EA 18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	450.22 66.87	32.69
06 41 13 00-0197 EA 21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	477.77 66.87	38.14
06 41 13 00-0198 EA 24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	520.57 66.87	43.59
06 41 13 00-0199 EA 27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	555.08 66.87	49.06
06 41 13 00-0200 EA 30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	583.52 66.87	54.48
06 41 13 00-0201 EA 33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	638.56 66.87	59.93
06 41 13 00-0202 EA 36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	658.12 66.87	65.38
<b>06 41 13 00-0203 Wall Cabinets, 12" High, 23-3/4" Deep</b> <small>(06 41 13 00-0114)</small>		
06 41 13 00-0204 EA 30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	368.21 66.87	54.48
06 41 13 00-0205 EA 33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	395.50 66.87	59.93
06 41 13 00-0206 EA 36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	424.32 66.87	65.38
06 41 13 00-0207 EA 39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	458.86 66.87	70.83
06 41 13 00-0208 EA 48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	541.10 66.87	87.18
<b>06 41 13 00-0209 Utility Cabinets, 84" High</b> <small>(06 41 13 00-0114)</small>		
06 41 13 00-0210 EA 15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	705.29 247.23	48.43
06 41 13 00-0211 EA 18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	797.83 247.23	58.12
06 41 13 00-0212 EA 21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	896.45 247.23	455.27
06 41 13 00-0213 EA 24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	942.40 247.23	77.50
06 41 13 00-0214 EA 30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	1,138.29 247.23	96.86
06 41 13 00-0215 EA 36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	1,311.89 247.23	116.24
06 41 13 00-0216 EA 15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	796.48 247.23	48.43
06 41 13 00-0217 EA 18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	880.91 247.23	58.12
06 41 13 00-0218 EA 21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,004.87 247.23	67.81
06 41 13 00-0219 EA 24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,068.04 247.23	77.50
06 41 13 00-0220 EA 30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	1,322.69 247.23	96.86
06 41 13 00-0221 EA 36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	1,511.50 247.23	116.24
<b>06 41 13 00-0222 Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets</b> <small>(06 41 13 00-0005)</small>		
<b>06 41 13 00-0223 Base Cabinets, 35" High, 23-3/4" Deep</b> <small>(06 41 13 00-0222)</small>		
06 41 13 00-0224 EA 12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	358.06 119.56 124.63	21.79
06 41 13 00-0225 EA 15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	380.67 119.56 124.63	27.24
06 41 13 00-0226 EA 18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	398.05 119.56 124.63	32.69
06 41 13 00-0227 EA 21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	419.28 119.56 124.63	38.14
06 41 13 00-0228 EA 24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	476.39 119.56 124.63	43.59

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0229	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	498.73 119.56 124.63	49.04
06 41	13 00-0230	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	538.43 119.56 124.63	54.48
06 41	13 00-0231	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	567.75 119.56 124.63	59.93
06 41	13 00-0232	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	585.42 119.56 124.63	65.38
06 41	13 00-0233	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	667.77 239.12 124.63	87.18
06 41	13 00-0234	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	739.05 239.12 124.63	54.48
06 41	13 00-0235	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	819.47 239.12 124.63	65.38
06 41	13 00-0236	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	775.53 358.68 124.63	54.48
06 41	13 00-0237	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	865.07 358.68 124.63	65.38
06 41	13 00-0238	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	364.14 358.68 124.63	21.79
06 41	13 00-0239	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	372.56 358.68 124.63	27.24
06 41	13 00-0240	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	406.15 358.68 124.63	32.69
06 41	13 00-0241	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	432.45 358.68 124.63	38.14
06 41	13 00-0242	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	451.05 358.68 124.63	43.59
06 41	13 00-0243	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	473.40 358.68 124.63	49.04
06 41	13 00-0244	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	773.50 358.68 124.63	54.48
06 41	13 00-0245	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	814.97 358.68 124.63	59.93
06 41	13 00-0246	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	856.96 358.68 124.63	65.38
06 41	13 00-0247	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	445.20 478.24 124.63	21.79
06 41	13 00-0248	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	455.65 478.24 124.63	27.24
06 41	13 00-0249	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	494.30 478.24 124.63	32.69





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0250 EA 21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	525.67	38.14
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0251 EA 24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	552.38	43.59
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0252 EA 27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	580.80	49.04
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0253 EA 30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	810.99	54.48
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0254 EA 33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	857.53	59.93
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0255 EA 36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	905.60	65.38
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
<i>For All Plywood Box Construction, Add</i>	124.63	
<b>06 41 13 00-0256 Wall Cabinets, 12" High, 12" Deep</b> <small>(06 41 13 00-0222)</small>		
06 41 13 00-0257 EA 30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	321.59	54.48
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0258 EA 33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	342.71	59.93
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0259 EA 36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	377.74	65.38
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0260 EA 39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	403.07	70.83
<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0261 Wall Cabinets, 14" High, 12" Deep</b> <small>(06 41 13 00-0222)</small>		
06 41 13 00-0262 EA 12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	273.52	21.79
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0263 EA 15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	279.75	27.24
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0264 EA 18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	293.08	32.69
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0265 EA 21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	301.33	38.14
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0266 EA 24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	309.60	43.59
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0267 EA 30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	323.93	54.48
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0268 EA 33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	346.37	59.93
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0269 EA 36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	377.74	65.38
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0270 EA 39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	403.07	70.83
<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0271 Wall Cabinets, 18" High, 12" Deep</b> <small>(06 41 13 00-0222)</small>		
06 41 13 00-0272 EA 12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	283.66	21.79
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0273 EA 15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	297.98	27.24
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0274 EA 18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	309.29	32.69
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0275 EA 21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	321.59	38.14
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0276 EA 24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	337.97	43.59
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0277 EA 27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	357.29	49.06
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0278 EA 30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	373.58	54.48
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0279 EA 33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	387.91	59.93
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0280 EA 36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	395.97	65.38
<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0281 Wall Cabinets, 30" High, 12" Deep</b> <small>(06 41 13 00-0222)</small>		
06 41 13 00-0282 EA 12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	309.26	21.79
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0283 EA 15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	336.80	27.24
<i>For All Plywood Box Construction, Add</i>	66.87	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0284	EA		18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....359.03 <i>For All Plywood Box Construction, Add</i> 66.87	359.03 66.87	32.69
06 41 13 00-0285	EA		21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....385.57 <i>For All Plywood Box Construction, Add</i> 66.87	385.57 66.87	38.14
06 41 13 00-0286	EA		24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....412.16 <i>For All Plywood Box Construction, Add</i> 66.87	412.16 66.87	43.59
06 41 13 00-0287	EA		27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....451.73 <i>For All Plywood Box Construction, Add</i> 66.87	451.73 66.87	49.06
06 41 13 00-0288	EA		30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....462.95 <i>For All Plywood Box Construction, Add</i> 66.87	462.95 66.87	54.48
06 41 13 00-0289	EA		33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....503.80 <i>For All Plywood Box Construction, Add</i> 66.87	503.80 66.87	59.93
06 41 13 00-0290	EA		36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....519.31 <i>For All Plywood Box Construction, Add</i> 66.87	519.31 66.87	65.38
<b>06 41 13 00-0291</b>			<b>Wall Cabinets, 36" High, 12" Deep</b> (06 41 13 00-0222)		
06 41 13 00-0292	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....347.76 <i>For All Plywood Box Construction, Add</i> 66.87	347.76 66.87	21.79
06 41 13 00-0293	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....376.32 <i>For All Plywood Box Construction, Add</i> 66.87	376.32 66.87	27.24
06 41 13 00-0294	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....401.58 <i>For All Plywood Box Construction, Add</i> 66.87	401.58 66.87	32.69
06 41 13 00-0295	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....430.15 <i>For All Plywood Box Construction, Add</i> 66.87	430.15 66.87	38.14
06 41 13 00-0296	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....504.36 <i>For All Plywood Box Construction, Add</i> 66.87	504.36 66.87	43.59
06 41 13 00-0297	EA		27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....506.44 <i>For All Plywood Box Construction, Add</i> 66.87	506.44 66.87	49.06
06 41 13 00-0298	EA		30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....524.76 <i>For All Plywood Box Construction, Add</i> 66.87	524.76 66.87	54.48
06 41 13 00-0299	EA		33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....573.72 <i>For All Plywood Box Construction, Add</i> 66.87	573.72 66.87	59.93
06 41 13 00-0300	EA		36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....588.20 <i>For All Plywood Box Construction, Add</i> 66.87	588.20 66.87	65.38
<b>06 41 13 00-0301</b>			<b>Wall Cabinets, 42" High, 12" Deep</b> (06 41 13 00-0222)		
06 41 13 00-0302	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....387.28 <i>For All Plywood Box Construction, Add</i> 66.87	387.28 66.87	21.79
06 41 13 00-0303	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....422.93 <i>For All Plywood Box Construction, Add</i> 66.87	422.93 66.87	27.24
06 41 13 00-0304	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....450.22 <i>For All Plywood Box Construction, Add</i> 66.87	450.22 66.87	32.69
06 41 13 00-0305	EA		21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....477.77 <i>For All Plywood Box Construction, Add</i> 66.87	477.77 66.87	38.14
06 41 13 00-0306	EA		24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....520.57 <i>For All Plywood Box Construction, Add</i> 66.87	520.57 66.87	43.59
06 41 13 00-0307	EA		27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....555.08 <i>For All Plywood Box Construction, Add</i> 66.87	555.08 66.87	49.06
06 41 13 00-0308	EA		30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....583.52 <i>For All Plywood Box Construction, Add</i> 66.87	583.52 66.87	54.48
06 41 13 00-0309	EA		33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....638.56 <i>For All Plywood Box Construction, Add</i> 66.87	638.56 66.87	59.93
06 41 13 00-0310	EA		36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....658.12 <i>For All Plywood Box Construction, Add</i> 66.87	658.12 66.87	65.38
<b>06 41 13 00-0311</b>			<b>Wall Cabinets, 12" High, 23-3/4" Deep</b> (06 41 13 00-0222)		
06 41 13 00-0312	EA		30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....368.21 <i>For All Plywood Box Construction, Add</i> 66.87	368.21 66.87	54.48
06 41 13 00-0313	EA		33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....395.50 <i>For All Plywood Box Construction, Add</i> 66.87	395.50 66.87	59.93
06 41 13 00-0314	EA		36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....424.32 <i>For All Plywood Box Construction, Add</i> 66.87	424.32 66.87	65.38
06 41 13 00-0315	EA		39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....458.86 <i>For All Plywood Box Construction, Add</i> 66.87	458.86 66.87	70.83
06 41 13 00-0316	EA		48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....541.10 <i>For All Plywood Box Construction, Add</i> 66.87	541.10 66.87	87.18
<b>06 41 13 00-0317</b>			<b>Utility Cabinets, 84" High</b> (06 41 13 00-0222)		
06 41 13 00-0318	EA		15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....705.29 <i>For All Plywood Box Construction, Add</i> 247.23	705.29 247.23	48.43
06 41 13 00-0319	EA		18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....797.83 <i>For All Plywood Box Construction, Add</i> 247.23	797.83 247.23	58.12
06 41 13 00-0320	EA		21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....896.45 <i>For All Plywood Box Construction, Add</i> 247.23	896.45 247.23	455.27
06 41 13 00-0321	EA		24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....942.40 <i>For All Plywood Box Construction, Add</i> 247.23	942.40 247.23	77.50
06 41 13 00-0322	EA		30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....1,138.29 <i>For All Plywood Box Construction, Add</i> 247.23	1,138.29 247.23	96.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0323 EA 36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofol Doors, Pantry Cabinet.....	1,311.89	116.24
<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0324 EA 15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofol Doors, Pantry Cabinet .....	796.48	48.43
<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0325 EA 18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofol Doors, Pantry Cabinet .....	880.91	58.12
<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0326 EA 21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofol Doors, Pantry Cabinet .....	1,004.87	67.81
<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0327 EA 24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofol Doors, Pantry Cabinet .....	1,068.04	77.50
<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0328 EA 30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofol Doors, Pantry Cabinet.....	1,322.69	96.86
<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0329 EA 36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofol Doors, Pantry Cabinet.....	1,511.50	116.24
<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0330 Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets <small>(06 41 13 00-0005)</small>		
06 41 13 00-0331 Base Cabinets, 35" High, 23-3/4" Deep <small>(06 41 13 00-0330)</small>		
06 41 13 00-0332 EA 12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet .....	358.06	21.79
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0333 EA 15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet .....	380.67	27.24
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0334 EA 18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet .....	398.05	32.69
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0335 EA 21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet .....	419.28	38.14
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0336 EA 24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet .....	476.39	43.59
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0337 EA 27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet .....	498.73	49.04
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0338 EA 30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet .....	538.43	54.48
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0339 EA 33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet .....	567.75	59.93
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0340 EA 36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet .....	585.42	65.38
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0341 EA 48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet .....	667.77	87.18
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	239.12	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0342 EA 30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet .....	739.05	54.48
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	239.12	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0343 EA 36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet .....	819.47	65.38
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	239.12	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0344 EA 30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet .....	775.53	54.48
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0345 EA 36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet .....	865.07	65.38
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0346 EA 12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	364.14	21.79
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0347 EA 15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	372.56	27.24
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
<i>For All Plywood Box Construction, Add</i>	124.63	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0348	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	406.15	32.69
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0349	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	432.45	38.14
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0350	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	451.05	43.59
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0351	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	473.40	49.04
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0352	EA		30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	773.50	54.48
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0353	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	814.97	59.93
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0354	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	856.96	65.38
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0355	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	445.20	21.79
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0356	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	455.65	27.24
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0357	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	494.30	32.69
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0358	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	525.67	38.14
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0359	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	552.38	43.59
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0360	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	580.80	49.04
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0361	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	810.99	54.48
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0362	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	857.53	59.93
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0363	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	905.60	65.38
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
<b>06 41 13 00-0364</b>			<b>Wall Cabinets, 12" High, 12" Deep</b> (06 41 13 00-0330)		
06 41 13 00-0365	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	321.59	54.48
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0366	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	342.71	59.93
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0367	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	377.74	65.38
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0368	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	403.07	70.83
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0369</b>			<b>Wall Cabinets, 14" High, 12" Deep</b> (06 41 13 00-0330)		
06 41 13 00-0370	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	273.52	21.79
			<i>For All Plywood Box Construction, Add</i>	66.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0371 EA 15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	279.75	27.24
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0372 EA 18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	293.08	32.69
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0373 EA 21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	301.33	38.14
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0374 EA 24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	309.60	43.59
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0375 EA 30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	323.93	54.48
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0376 EA 33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	346.37	59.93
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0377 EA 36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	377.74	65.38
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0378 EA 39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	403.07	70.83
<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0379 Wall Cabinets, 18" High, 12" Deep</b> <small>(06 41 13 00-0330)</small>		
06 41 13 00-0380 EA 12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	283.66	21.79
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0381 EA 15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	297.98	27.24
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0382 EA 18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	309.29	32.69
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0383 EA 21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	321.59	38.14
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0384 EA 24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	337.97	43.59
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0385 EA 27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	357.29	49.06
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0386 EA 30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	373.58	54.48
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0387 EA 33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	387.91	59.93
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0388 EA 36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	395.97	65.38
<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0389 Wall Cabinets, 30" High, 12" Deep</b> <small>(06 41 13 00-0330)</small>		
06 41 13 00-0390 EA 12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	309.26	21.79
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0391 EA 15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	336.80	27.24
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0392 EA 18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	359.03	32.69
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0393 EA 21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	385.57	38.14
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0394 EA 24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	412.16	43.59
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0395 EA 27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	451.73	49.06
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0396 EA 30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	462.95	54.48
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0397 EA 33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	503.80	59.93
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0398 EA 36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	519.31	65.38
<i>For All Plywood Box Construction, Add</i>	66.87	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0399			<b>Wall Cabinets, 36" High, 12" Deep</b> (06 41 13 00-0330)		
06 41 13 00-0400	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	347.76	21.79
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0401	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	376.32	27.24
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0402	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	401.58	32.69
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0403	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	430.15	38.14
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0404	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	504.36	43.59
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0405	EA		27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	506.44	49.06
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0406	EA		30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	524.76	54.48
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0407	EA		33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	573.72	59.93
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0408	EA		36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	588.20	65.38
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0409			<b>Wall Cabinets, 42" High, 12" Deep</b> (06 41 13 00-0330)		
06 41 13 00-0410	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	387.28	21.79
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0411	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	422.93	27.24
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0412	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	450.22	32.69
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0413	EA		21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	477.77	38.14
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0414	EA		24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	520.57	43.59
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0415	EA		27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	555.08	49.06
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0416	EA		30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	583.52	54.48
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0417	EA		33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	638.56	59.93
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0418	EA		36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	658.12	65.38
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0419			<b>Wall Cabinets, 12" High, 23-3/4" Deep</b> (06 41 13 00-0330)		
06 41 13 00-0420	EA		30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	368.21	54.48
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0421	EA		33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	395.50	59.93
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0422	EA		36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	424.32	65.38
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0423	EA		39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	458.86	70.83
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0424	EA		48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	541.10	87.18
			<i>For All Plywood Box Construction, Add</i> .....	66.87	
06 41 13 00-0425			<b>Utility Cabinets, 84" High</b> (06 41 13 00-0330)		
06 41 13 00-0426	EA		15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	705.29	48.43
			<i>For All Plywood Box Construction, Add</i> .....	247.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0427 EA 18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	797.83	58.12
<i>For All Plywood Box Construction, Add</i>	<i>247.23</i>	
06 41 13 00-0428 EA 21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	896.45	455.27
<i>For All Plywood Box Construction, Add</i>	<i>247.23</i>	
06 41 13 00-0429 EA 24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	942.40	77.50
<i>For All Plywood Box Construction, Add</i>	<i>247.23</i>	
06 41 13 00-0430 EA 30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,138.29	96.86
<i>For All Plywood Box Construction, Add</i>	<i>247.23</i>	
06 41 13 00-0431 EA 36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,311.89	116.24
<i>For All Plywood Box Construction, Add</i>	<i>247.23</i>	
06 41 13 00-0432 EA 15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	796.48	48.43
<i>For All Plywood Box Construction, Add</i>	<i>247.23</i>	
06 41 13 00-0433 EA 18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	880.91	58.12
<i>For All Plywood Box Construction, Add</i>	<i>247.23</i>	
06 41 13 00-0434 EA 21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,004.87	67.81
<i>For All Plywood Box Construction, Add</i>	<i>247.23</i>	
06 41 13 00-0435 EA 24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,068.04	77.50
<i>For All Plywood Box Construction, Add</i>	<i>247.23</i>	
06 41 13 00-0436 EA 30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,322.69	96.86
<i>For All Plywood Box Construction, Add</i>	<i>247.23</i>	
06 41 13 00-0437 EA 36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,511.50	116.24
<i>For All Plywood Box Construction, Add</i>	<i>247.23</i>	

### 06 41 93 Cabinet and Drawer Hardware (06 41)

#### 06 41 93 00-0001 Cabinet Hardware (06 41 93)

Note: Includes all finishes, and mounting screws.

06 41 93 00-0002 EA 4" To 6" Long, 1/2" Diameter, Cabinet Bar Pull.....	26.36	9.27
06 41 93 00-0003 EA 7" To 9" Long, 1/2" Diameter, Cabinet Bar Pull.....	27.21	9.27
06 41 93 00-0004 EA 10" To 12" Long, 1/2" Diameter, Cabinet Bar Pull.....	28.70	9.27
06 41 93 00-0005 EA 3" To 4-1/2", Flat Cabinet Pull Handle.....	30.36	9.27
06 41 93 00-0006 EA 5" To 6-1/2", Flat Cabinet Pull Handle.....	31.21	9.27
06 41 93 00-0007 EA 7" To 8-1/2", Flat Cabinet Pull Handle.....	40.35	9.27
06 41 93 00-0008 EA 12" To 12-1/2", Flat Cabinet Pull Handle.....	78.22	9.27
06 41 93 00-0009 EA 1-7/16" Diameter, Mushroom Cabinet Pull Knobs.....	20.56	7.08
06 41 93 00-0010 EA 3-7/16" x 1-5/8" x 1" Projection, Cabinet Cup Pull.....	20.40	7.08
06 41 93 00-0011 EA 1-1/4" Long, Finger Cabinet Pull.....	27.80	8.18
06 41 93 00-0012 EA 3" Long, Finger Cabinet Pull.....	31.79	8.18
06 41 93 00-0013 EA 4" Long, Finger Cabinet Pull.....	34.51	8.18
06 41 93 00-0014 EA 6" Long, Finger Cabinet Pull.....	38.23	8.18
06 41 93 00-0015 EA 12" Long, Finger Cabinet Pull.....	55.50	8.18
06 41 93 00-0016 EA Cabinet Spring Loaded Adjustable Barrel Ball Catch.....	40.36	10.90
06 41 93 00-0017 EA Cabinet Surface Mounted Square or Matchbook Latch.....	59.33	10.90
06 41 93 00-0018 EA Cabinet Door or Drawer Mortised Lock With 2 Keys.....	146.95	16.35
06 41 93 00-0019 EA Cabinet Door or Drawer Bored Lock with 2 Keys.....	53.29	9.27
06 41 93 00-0020 EA Cabinet Surface Mounted Slide or Barrel Bolt Latch.....	35.94	9.27
06 41 93 00-0021 EA Cabinet Door or Drawer Bored 4-Pin, Cam Lock With 2 Keys.....	90.71	

### 06 42 Wood Paneling (06 40)

Note: Includes glue for installation.

#### 06 42 13 Wood Board Paneling (06 42)

06 42 13 00-0001 Solid Wood Paneling (06 42 13)		
06 42 13 00-0002 7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide (06 42 13 00-0001)		
06 42 13 00-0003 SF Homestead Cedar Paneling Tongue And Groove, 7/16".....	10.56	2.29
06 42 13 00-0004 SF Homestead Juniper Paneling Tongue And Groove, 7/16".....	11.14	2.29
06 42 13 00-0005 7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide (06 42 13 00-0001)		
06 42 13 00-0006 SF 8" Random Plank Tongue And Groove, 7/16".....	11.98	2.17
06 42 13 00-0007 SF 8" Solid Plank Tongue And Groove, 7/16".....	11.13	2.17
06 42 13 00-0008 1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide (06 42 13 00-0001)		
06 42 13 00-0009 SF Alder Wood Tongue And Groove Paneling, 1/2".....	12.29	2.29
06 42 13 00-0010 1" Solid Wood Paneling, Shiplap, 6" To 8" Wide (06 42 13 00-0001)		

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 42 Wood Paneling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 13 00-0011 SF 1" Terebo (Driftwood) Wood Shiplap .....	7.82	1.96
<b>06 42 16 Flush Wood Paneling (06 42)</b>		
<b>06 42 16 00-0001 Veneer Hardboard Panels (06 42 16)</b>		
06 42 16 00-0002 SF 1/4" Maple Veneer Paneling .....	6.10	1.97
For Waterproof Glue, Add	0.11	
For Ceiling Installation, Add	1.35	
<b>06 42 16 00-0003 Plywood Unfinished With Trim 1/4" Thick (06 42 16)</b>		
<b>06 42 16 00-0004 Birch (06 42 16 00-0003)</b>		
06 42 16 00-0005 SF 1/4" Unfinished Birch Plywood, Natural Faced With Trim .....	6.17	1.76
For Waterproof Glue, Add	0.16	
For Ceiling Installation, Add	1.19	
For Installation On Metal Studs Or Furring, Add	0.43	
For Glue Laminated Installation, Add	0.31	
For Lumber Core, Add	0.24	
For 1/8" Thick Paneling, Deduct	-0.65	
For 1/2" Thick Paneling, Add	1.67	
For 5/8" Thick Paneling, Add	2.14	
For 3/4" Thick Paneling, Add	2.74	
For Fire Retardant Treatment (Class I), Add	1.75	
06 42 16 00-0006 SF 1/4" Unfinished Birch Plywood, Select With Trim .....	6.33	1.76
For Waterproof Glue, Add	0.17	
For Ceiling Installation, Add	1.19	
For Installation On Metal Studs Or Furring, Add	0.43	
For Glue Laminated Installation, Add	0.32	
For Lumber Core, Add	0.26	
For 1/8" Thick Paneling, Deduct	-0.67	
For 1/2" Thick Paneling, Add	1.76	
For 5/8" Thick Paneling, Add	2.26	
For 3/4" Thick Paneling, Add	2.90	
For Fire Retardant Treatment (Class I), Add	1.88	
<b>06 42 16 00-0007 Knotty Pine (06 42 16 00-0003)</b>		
06 42 16 00-0008 SF 1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim .....	7.32	1.97
For Waterproof Glue, Add	0.21	
For Ceiling Installation, Add	1.32	
For Installation On Metal Studs Or Furring, Add	0.48	
For Glue Laminated Installation, Add	0.37	
For Lumber Core, Add	0.32	
For 1/8" Thick Paneling, Deduct	-0.80	
For 1/2" Thick Paneling, Add	2.11	
For 5/8" Thick Paneling, Add	2.72	
For 3/4" Thick Paneling, Add	3.52	
For Fire Retardant Treatment (Class I), Add	2.31	
06 42 16 00-0009 SF 1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim .....	7.20	1.97
For Waterproof Glue, Add	0.20	
For Ceiling Installation, Add	1.32	
For Installation On Metal Studs Or Furring, Add	0.48	
For Glue Laminated Installation, Add	0.36	
For Lumber Core, Add	0.31	
For 1/8" Thick Paneling, Deduct	-0.78	
For 1/2" Thick Paneling, Add	2.04	
For 5/8" Thick Paneling, Add	2.63	
For 3/4" Thick Paneling, Add	3.39	
For Fire Retardant Treatment (Class I), Add	2.22	
<b>06 42 16 00-0010 Cedar (Aromatic - Closet Lining) (06 42 16 00-0003)</b>		
06 42 16 00-0011 SF 1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining .....	6.81	2.20
For Waterproof Glue, Add	0.13	
For Ceiling Installation, Add	1.48	
For Installation On Metal Studs Or Furring, Add	0.54	
For Glue Laminated Installation, Add	0.34	
For Lumber Core, Add	0.21	
For 1/8" Thick Paneling, Deduct	-0.66	
For 1/2" Thick Paneling, Add	1.60	
For 5/8" Thick Paneling, Add	2.00	
For 3/4" Thick Paneling, Add	2.50	
For Fire Retardant Treatment (Class I), Add	1.48	
06 42 16 00-0012 SF 1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining .....	6.08	2.20
For Waterproof Glue, Add	0.08	
For Ceiling Installation, Add	1.48	
For Installation On Metal Studs Or Furring, Add	0.54	
For Glue Laminated Installation, Add	0.30	
For Lumber Core, Add	0.13	
For 1/8" Thick Paneling, Deduct	-0.54	
For 1/2" Thick Paneling, Add	1.21	
For 5/8" Thick Paneling, Add	1.45	
For 3/4" Thick Paneling, Add	1.76	
For Fire Retardant Treatment (Class I), Add	0.90	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>06 42 16 00-0013 Top Grade Plywood Prefinished With Trim 1/4" Thick</b> <small>(06 42 16)</small>		
06 42 16 00-0014 SF 1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim.....	6.87	1.97
For Flitch Matched Veneer, Add	1.24	
For Second Grade Veneer, Deduct	-0.25	
For Third Grade Veneer, Deduct	-0.37	
For Waterproof Glue, Add	0.17	
For Ceiling Installation, Add	1.32	
For Installation On Metal Studs Or Furring, Add	0.48	
For Glue Laminated Installation, Add	0.34	
For Lumber Core, Add	0.27	
For 1/8" Thick Paneling, Deduct	-0.72	
For 1/2" Thick Paneling, Add	1.87	
For 5/8" Thick Paneling, Add	2.39	
For 3/4" Thick Paneling, Add	3.06	
For Fire Retardant Treatment (Class I), Add	1.96	
06 42 16 00-0015 SF 1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim .....	7.98	1.97
For Flitch Matched Veneer, Add	1.80	
For Second Grade Veneer, Deduct	-0.36	
For Third Grade Veneer, Deduct	-0.54	
For Waterproof Glue, Add	0.25	
For Ceiling Installation, Add	1.32	
For Installation On Metal Studs Or Furring, Add	0.48	
For Glue Laminated Installation, Add	0.40	
For Lumber Core, Add	0.39	
For 1/8" Thick Paneling, Deduct	-0.91	
For 1/2" Thick Paneling, Add	2.47	
For 5/8" Thick Paneling, Add	3.22	
For 3/4" Thick Paneling, Add	4.19	
For Fire Retardant Treatment (Class I), Add	2.84	
06 42 16 00-0016 SF 1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim.....	12.97	1.97
For Flitch Matched Veneer, Add	3.86	
For Second Grade Veneer, Deduct	-0.77	
For Third Grade Veneer, Deduct	-1.16	
For Waterproof Glue, Add	0.54	
For Ceiling Installation, Add	1.58	
For Installation On Metal Studs Or Furring, Add	0.58	
For Glue Laminated Installation, Add	0.65	
For Lumber Core, Add	0.85	
For 1/8" Thick Paneling, Deduct	-1.66	
For 1/2" Thick Paneling, Add	4.80	
For 5/8" Thick Paneling, Add	6.42	
For 3/4" Thick Paneling, Add	8.50	
For Fire Retardant Treatment (Class I), Add	6.10	
06 42 16 00-0017 SF 1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim .....	5.58	1.97
For Flitch Matched Veneer, Add	0.82	
For Second Grade Veneer, Deduct	-0.16	
For Third Grade Veneer, Deduct	-0.25	
For Waterproof Glue, Add	0.11	
For Ceiling Installation, Add	1.18	
For Installation On Metal Studs Or Furring, Add	0.43	
For Glue Laminated Installation, Add	0.28	
For Lumber Core, Add	0.18	
For 1/8" Thick Paneling, Deduct	-0.55	
For 1/2" Thick Paneling, Add	1.36	
For 5/8" Thick Paneling, Add	1.70	
For 3/4" Thick Paneling, Add	2.15	
For Fire Retardant Treatment (Class I), Add	1.30	
06 42 16 00-0018 SF 1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim.....	11.15	1.97
For Flitch Matched Veneer, Add	3.11	
For Second Grade Veneer, Deduct	-0.62	
For Third Grade Veneer, Deduct	-0.93	
For Waterproof Glue, Add	0.43	
For Ceiling Installation, Add	1.48	
For Installation On Metal Studs Or Furring, Add	0.54	
For Glue Laminated Installation, Add	0.56	
For Lumber Core, Add	0.68	
For 1/8" Thick Paneling, Deduct	-1.38	
For 1/2" Thick Paneling, Add	3.95	
For 5/8" Thick Paneling, Add	5.25	
For 3/4" Thick Paneling, Add	6.93	
For Fire Retardant Treatment (Class I), Add	4.91	
06 42 16 00-0019 SF 1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim.....	7.14	1.97
For Flitch Matched Veneer, Add	1.38	
For Second Grade Veneer, Deduct	-0.28	
For Third Grade Veneer, Deduct	-0.41	
For Waterproof Glue, Add	0.19	
For Ceiling Installation, Add	1.32	
For Installation On Metal Studs Or Furring, Add	0.48	
For Glue Laminated Installation, Add	0.36	
For Lumber Core, Add	0.30	
For 1/8" Thick Paneling, Deduct	-0.77	
For 1/2" Thick Paneling, Add	2.01	
For 5/8" Thick Paneling, Add	2.59	
For 3/4" Thick Paneling, Add	3.33	
For Fire Retardant Treatment (Class I), Add	2.17	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 42 Wood Paneling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0020	SF		1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim .....	8.58	1.97
			For Flitch Matched Veneer, Add	1.82	
			For Second Grade Veneer, Deduct	-0.36	
			For Third Grade Veneer, Deduct	-0.55	
			For Waterproof Glue, Add	0.25	
			For Ceiling Installation, Add	1.48	
			For Installation On Metal Studs Or Furring, Add	0.54	
			For Glue Laminated Installation, Add	0.43	
			For Lumber Core, Add	0.40	
			For 1/8" Thick Paneling, Deduct	-0.95	
			For 1/2" Thick Paneling, Add	2.56	
			For 5/8" Thick Paneling, Add	3.32	
			For 3/4" Thick Paneling, Add	4.31	
			For Fire Retardant Treatment (Class I), Add	2.88	
06 42 16 00-0021	SF		1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim .....	14.97	1.97
			For Flitch Matched Veneer, Add	4.40	
			For Second Grade Veneer, Deduct	-0.88	
			For Third Grade Veneer, Deduct	-1.32	
			For Waterproof Glue, Add	0.62	
			For Ceiling Installation, Add	1.85	
			For Installation On Metal Studs Or Furring, Add	0.68	
			For Glue Laminated Installation, Add	0.75	
			For Lumber Core, Add	0.97	
			For 1/8" Thick Paneling, Deduct	-1.90	
			For 1/2" Thick Paneling, Add	5.49	
			For 5/8" Thick Paneling, Add	7.34	
			For 3/4" Thick Paneling, Add	9.72	
			For Fire Retardant Treatment (Class I), Add	6.95	
06 42 16 00-0022	SF		1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim .....	11.14	1.97
			For Flitch Matched Veneer, Add	3.10	
			For Second Grade Veneer, Deduct	-0.62	
			For Third Grade Veneer, Deduct	-0.93	
			For Waterproof Glue, Add	0.43	
			For Ceiling Installation, Add	1.48	
			For Installation On Metal Studs Or Furring, Add	0.54	
			For Glue Laminated Installation, Add	0.56	
			For Lumber Core, Add	0.68	
			For 1/8" Thick Paneling, Deduct	-1.38	
			For 1/2" Thick Paneling, Add	3.94	
			For 5/8" Thick Paneling, Add	5.24	
			For 3/4" Thick Paneling, Add	6.92	
			For Fire Retardant Treatment (Class I), Add	4.90	
06 42 16 00-0023	SF		1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim .....	9.67	1.97
			For Flitch Matched Veneer, Add	2.64	
			For Second Grade Veneer, Deduct	-0.53	
			For Third Grade Veneer, Deduct	-0.79	
			For Waterproof Glue, Add	0.37	
			For Ceiling Installation, Add	1.32	
			For Installation On Metal Studs Or Furring, Add	0.48	
			For Glue Laminated Installation, Add	0.48	
			For Lumber Core, Add	0.58	
			For 1/8" Thick Paneling, Deduct	-1.19	
			For 1/2" Thick Paneling, Add	3.38	
			For 5/8" Thick Paneling, Add	4.49	
			For 3/4" Thick Paneling, Add	5.91	
			For Fire Retardant Treatment (Class I), Add	4.17	
06 42 16 00-0024	SF		1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim.....	7.20	1.97
			For Flitch Matched Veneer, Add	1.41	
			For Second Grade Veneer, Deduct	-0.28	
			For Third Grade Veneer, Deduct	-0.42	
			For Waterproof Glue, Add	0.20	
			For Ceiling Installation, Add	1.32	
			For Installation On Metal Studs Or Furring, Add	0.48	
			For Glue Laminated Installation, Add	0.36	
			For Lumber Core, Add	0.31	
			For 1/8" Thick Paneling, Deduct	-0.78	
			For 1/2" Thick Paneling, Add	2.04	
			For 5/8" Thick Paneling, Add	2.63	
			For 3/4" Thick Paneling, Add	3.39	
			For Fire Retardant Treatment (Class I), Add	2.22	

**06 42 16 00-0025 Accessories (06 42 16)**

06 42 16 00-0026 EA Aluminum Panel Retainer "J" With Bolt.....38.94

**06 42 19 Plastic-Laminate-Faced Wood Paneling (06 42)****06 42 19 00-0001 Plastic Laminate (06 42 19)**

Note: Standard colors and patterns.

06 42 19 00-0002 SF 1/16" Plastic Laminate Faced Panel .....10.66 3.82

Note: Includes cutting to fit.

**06 43 Wood Stairs and Railings (06 40)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**06 43 13 Wood Stairs** (06 43)

**06 43 13 00-0001 Stair Parts** (06 43 13)

06 43 13 00-0002 EA 30" Baluster, Pine .....	55.70	22.12
06 43 13 00-0003 EA 30" Baluster, Birch .....	66.03	22.12
06 43 13 00-0004 EA 42" Baluster, Pine .....	62.99	22.87
06 43 13 00-0005 EA 42" Baluster, Birch .....	74.01	22.87
06 43 13 00-0006 EA 3-1/4" Wide Newels, Starting .....	330.84	86.93
06 43 13 00-0007 EA 3-1/4" Wide Newels, Landing.....	484.29	122.00
06 43 13 00-0008 LF Oak Gooseneck, 1 Riser.....	198.07	76.25
For Curved Surfaces With A 2'-0" Maximum Radius, Add	25.03	
06 43 13 00-0009 LF Oak Gooseneck, 2 Riser.....	232.13	83.77
For Curved Surfaces With A 2'-0" Maximum Radius, Add	27.52	
06 43 13 00-0010 LF Oak Handrail, 2-1/2" x 3" With Quarter Turn.....	40.35	11.44
For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.75	
06 43 13 00-0011 LF 1-1/16" x 9-1/2" Oak Stair Tread.....	52.74	6.42
For Beech, Add	11.99	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.94	
06 43 13 00-0012 LF 1-1/16" x 11-1/2" Oak Stair Tread.....	64.11	6.42
For Beech, Add	15.40	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.94	
06 43 13 00-0013 LF 1-1/16" x 11-1/2" Pine Stair Tread .....	28.90	6.42
For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.94	
06 43 13 00-0014 LF 3/4" x 7-1/2" High Beech Riser .....	39.51	6.64
For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.07	
06 43 13 00-0015 LF 3/4" x 7-1/2" High Oak Riser .....	37.10	6.64
For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.07	
06 43 13 00-0016 LF 3/4" x 7-1/2" High Fir Riser .....	21.60	6.64
For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.07	
06 43 13 00-0017 LF 3/4" x 7-1/2" High Pine Riser .....	20.84	6.64
For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.07	
06 43 13 00-0018 SF Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing.....	44.62	

**06 43 13 00-0019 Interior Box Stairs** (06 43 13)

Note: Factory cut and assembled straight closed box stairs, unfinished.

06 43 13 00-0020 EA 30" Wide Pine Box Stair, Per Riser .....	290.45	66.34
For Curved Surfaces With A 2'-0" Maximum Radius, Add	21.79	
For Prefinished Stair Rail With Balusters And Newel, Add	72.43	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	23.84	
For Oak Or Maple Treads, Add	88.07	
06 43 13 00-0021 EA 32" Wide Pine Box Stair, Per Riser .....	308.03	67.86
For Curved Surfaces With A 2'-0" Maximum Radius, Add	22.29	
For Prefinished Stair Rail With Balusters And Newel, Add	73.07	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	24.11	
For Oak Or Maple Treads, Add	95.00	
06 43 13 00-0022 EA 34" Wide Pine Box Stair, Per Riser .....	324.56	68.63
For Curved Surfaces With A 2'-0" Maximum Radius, Add	22.55	
For Prefinished Stair Rail With Balusters And Newel, Add	73.41	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	24.25	
For Oak Or Maple Treads, Add	101.94	
06 43 13 00-0023 EA 36" Wide Pine Box Stair, Per Riser .....	343.70	69.39
For Curved Surfaces With A 2'-0" Maximum Radius, Add	22.79	
For Prefinished Stair Rail With Balusters And Newel, Add	73.73	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	24.39	
For Oak Or Maple Treads, Add	110.07	
06 43 13 00-0024 EA 38" Wide Pine Box Stair, Per Riser .....	355.01	70.15
For Curved Surfaces With A 2'-0" Maximum Radius, Add	23.04	
For Prefinished Stair Rail With Balusters And Newel, Add	74.06	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	24.52	
For Oak Or Maple Treads, Add	114.67	
06 43 13 00-0025 EA 40" Wide Pine Box Stair, Per Riser .....	367.41	71.68
For Curved Surfaces With A 2'-0" Maximum Radius, Add	23.55	
For Prefinished Stair Rail With Balusters And Newel, Add	74.71	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	24.80	
For Oak Or Maple Treads, Add	119.26	
06 43 13 00-0026 EA 42" Wide Pine Box Stair, Per Riser .....	378.72	72.44
For Curved Surfaces With A 2'-0" Maximum Radius, Add	23.80	
For Prefinished Stair Rail With Balusters And Newel, Add	75.04	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	24.93	
For Oak Or Maple Treads, Add	123.86	
06 43 13 00-0027 EA 44" Wide Pine Box Stair, Per Riser .....	390.04	73.20
For Curved Surfaces With A 2'-0" Maximum Radius, Add	24.05	
For Prefinished Stair Rail With Balusters And Newel, Add	75.37	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	25.07	
For Oak Or Maple Treads, Add	128.46	
06 43 13 00-0028 EA 46" Wide Pine Box Stair, Per Riser .....	401.31	73.96
For Curved Surfaces With A 2'-0" Maximum Radius, Add	24.29	
For Prefinished Stair Rail With Balusters And Newel, Add	75.69	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	25.20	
For Oak Or Maple Treads, Add	133.06	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 43 Wood Stairs and Railings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 43 13 00-0029	EA	48" Wide Pine Box Stair, Per Riser.....	414.70	76.25
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.05	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	76.68	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	25.62	
		<i>For Oak Or Maple Treads, Add</i>	137.60	

**06 43 16 Wood Railings (06 43)****06 43 16 00-0001 Handrails (06 43 16)****06 43 16 00-0002 Wood Handrail With Brackets (06 43 16 00-0001)**

Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.

06 43 16 00-0003	LF	1-1/2" x 1-11/16", Wood Handrail With Brackets.....	18.20	5.45
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.50	
06 43 16 00-0004	LF	1-7/8" x 2-5/8", Wood Handrail With Brackets.....	19.67	5.45
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.50	
06 43 16 00-0005	LF	1-1/2" Diameter, Wood Handrail With Brackets.....	24.58	5.45
06 43 16 00-0006	LF	1-3/4" Diameter, Wood Handrail With Brackets.....	25.81	5.45
06 43 16 00-0007	LF	2" Diameter, Wood Handrail With Brackets.....	30.23	5.45
06 43 16 00-0008	LF	2-1/2" Diameter, Wood Handrail With Brackets.....	43.87	5.45

**06 44 Ornamental Woodwork (06 40)****06 44 39 Wood Posts and Columns (06 44)****06 44 39 00-0001 Columns (06 44 39)****06 44 39 00-0002 Pine Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001)**

Note: Paint grade/finger jointed pine.

06 44 39 00-0003	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	72.44	6.55
06 44 39 00-0004	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	90.43	9.57
06 44 39 00-0005	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	111.10	11.08
06 44 39 00-0006	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	133.29	11.58
06 44 39 00-0007	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	299.88	13.10
06 44 39 00-0008	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	348.58	14.10
06 44 39 00-0009	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	419.95	15.11
06 44 39 00-0010	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	501.74	16.12
06 44 39 00-0011	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	83.58	6.55
06 44 39 00-0012	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	99.37	9.57
06 44 39 00-0013	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	123.44	11.08
06 44 39 00-0014	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	146.48	11.58
06 44 39 00-0015	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	326.68	13.10
06 44 39 00-0016	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	444.74	14.10
06 44 39 00-0017	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	479.52	15.11
06 44 39 00-0018	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	540.03	16.12

**06 44 39 00-0019 Pine Colonial Columns, Round Non Tapered With Cap And Base (06 44 39 00-0001)**

Note: Paint grade/finger jointed pine.

06 44 39 00-0020	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	87.41	6.55
06 44 39 00-0021	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	107.45	9.57
06 44 39 00-0022	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	133.22	11.08
06 44 39 00-0023	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	160.95	11.58
06 44 39 00-0024	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	369.27	13.10
06 44 39 00-0025	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	429.85	14.10
06 44 39 00-0026	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	518.79	15.11
06 44 39 00-0027	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	620.79	16.12
06 44 39 00-0028	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	101.37	6.55
06 44 39 00-0029	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	119.66	9.57
06 44 39 00-0030	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	149.22	11.08
06 44 39 00-0031	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	177.88	11.58
06 44 39 00-0032	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	402.84	13.10
06 44 39 00-0033	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	550.38	14.10
06 44 39 00-0034	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	593.46	15.11
06 44 39 00-0035	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	668.82	16.12

**06 44 39 00-0036 Pine Classical Columns, Round Tapered With Cap And Base (06 44 39 00-0001)**

Note: Paint grade/finger jointed pine.

06 44 39 00-0037	LF	6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	77.73	6.55
06 44 39 00-0038	LF	8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	96.81	9.57
06 44 39 00-0039	LF	10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	119.11	11.08
06 44 39 00-0040	LF	12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	143.22	11.58
06 44 39 00-0041	LF	6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	89.88	6.55
06 44 39 00-0042	LF	8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	106.54	9.57
06 44 39 00-0043	LF	10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	132.56	11.08
06 44 39 00-0044	LF	12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	157.59	11.58

**06 44 39 00-0045 Redwood Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001)**

Note: Paint grade/finger jointed redwood.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0046 LF 6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	122.30	6.55
06 44 39 00-0047 LF 8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	146.60	9.57
06 44 39 00-0048 LF 10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	183.00	11.08
06 44 39 00-0049 LF 12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	224.34	11.58
06 44 39 00-0050 LF 6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	141.02	6.55
06 44 39 00-0051 LF 8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	166.59	9.57
06 44 39 00-0052 LF 10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	206.41	11.08
06 44 39 00-0053 LF 12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	254.98	11.58

**06 44 39 00-0054 Ornamental Or Decorative Cap And Bases, Resin (06 44 39 00-0001)**

Note: For tapered wood columns.

06 44 39 00-0055 EA 6" Resin Corinthian Capital And Base .....	384.60	13.59
06 44 39 00-0056 EA 8" Resin Corinthian Capital And Base .....	583.34	15.11
06 44 39 00-0057 EA 10" Resin Corinthian Capital And Base .....	813.88	17.63
06 44 39 00-0058 EA 12" Resin Corinthian Capital And Base .....	1,040.15	20.14
06 44 39 00-0059 EA 6" Resin Greek Erectheum Cap And Base .....	342.05	13.59
06 44 39 00-0060 EA 8" Resin Greek Erectheum Cap And Base .....	476.97	15.11
06 44 39 00-0061 EA 10" Resin Greek Erectheum Cap And Base .....	592.63	17.63
06 44 39 00-0062 EA 12" Resin Greek Erectheum Cap And Base .....	776.36	20.14
06 44 39 00-0063 EA 6" Resin Roman Ionic Capital And Base.....	360.07	14.10
06 44 39 00-0064 EA 8" Resin Roman Ionic Capital And Base.....	476.97	15.11
06 44 39 00-0065 EA 10" Resin Roman Ionic Capital And Base.....	592.63	17.63
06 44 39 00-0066 EA 12" Resin Roman Ionic Capital And Base.....	755.09	20.14
06 44 39 00-0067 EA 6" Resin Scamozzi Capital And Base .....	364.32	14.10
06 44 39 00-0068 EA 8" Resin Scamozzi Capital And Base .....	519.52	15.11
06 44 39 00-0069 EA 10" Resin Scamozzi Capital And Base .....	613.90	17.63
06 44 39 00-0070 EA 12" Resin Scamozzi Capital And Base .....	844.44	20.14
06 44 39 00-0071 EA 6" Resin Temple Of Winds Cap And Base.....	364.32	14.10
06 44 39 00-0072 EA 8" Resin Temple Of Winds Cap And Base.....	566.32	15.11
06 44 39 00-0073 EA 10" Resin Temple Of Winds Cap And Base.....	750.06	17.63
06 44 39 00-0074 EA 12" Resin Temple Of Winds Cap And Base.....	929.53	20.14

**06 44 39 00-0075 Ornamental Or Decorative Cap And Bases, Plaster (06 44 39 00-0001)**

Note: For tapered wood columns.

06 44 39 00-0076 EA 6" Plaster Corinthian Capital And Base .....	780.29	13.59
06 44 39 00-0077 EA 8" Plaster Corinthian Capital And Base .....	876.91	15.11
06 44 39 00-0078 EA 10" Plaster Corinthian Capital And Base .....	1,115.96	17.63
06 44 39 00-0079 EA 12" Plaster Corinthian Capital And Base .....	1,227.36	20.14
06 44 39 00-0080 EA 6" Plaster Greek Erectheum Cap And Base .....	516.50	13.59
06 44 39 00-0081 EA 8" Plaster Greek Erectheum Cap And Base .....	600.36	15.11
06 44 39 00-0082 EA 10" Plaster Greek Erectheum Cap And Base .....	741.55	17.63
06 44 39 00-0083 EA 12" Plaster Greek Erectheum Cap And Base .....	933.79	20.14
06 44 39 00-0084 EA 6" Plaster Roman Ionic Capital And Base.....	496.22	14.10
06 44 39 00-0085 EA 8" Plaster Roman Ionic Capital And Base.....	651.41	15.11
06 44 39 00-0086 EA 10" Plaster Roman Ionic Capital And Base.....	788.35	17.63
06 44 39 00-0087 EA 12" Plaster Roman Ionic Capital And Base.....	933.79	20.14
06 44 39 00-0088 EA 6" Plaster Scamozzi Capital And Base.....	589.83	14.10
06 44 39 00-0089 EA 8" Plaster Scamozzi Capital And Base .....	783.31	15.11
06 44 39 00-0090 EA 10" Plaster Scamozzi Capital And Base .....	881.95	17.63
06 44 39 00-0091 EA 12" Plaster Scamozzi Capital And Base .....	1,120.99	20.14
06 44 39 00-0092 EA 6" Plaster Temple Of Winds Cap And Base.....	496.22	14.10
06 44 39 00-0093 EA 8" Plaster Temple Of Winds Cap And Base.....	642.90	15.11
06 44 39 00-0094 EA 10" Plaster Temple Of Winds Cap And Base.....	839.41	17.63
06 44 39 00-0095 EA 12" Plaster Temple Of Winds Cap And Base.....	1,074.19	20.14
06 44 39 00-0096 EA 6" Plaster Empire Capital And Base .....	560.04	14.10
06 44 39 00-0097 EA 8" Plaster Empire Capital And Base .....	685.45	15.11
06 44 39 00-0098 EA 10" Plaster Empire Capital And Base .....	835.15	17.63
06 44 39 00-0099 EA 12" Plaster Empire Capital And Base .....	933.79	20.14

**06 46 Wood Trim (06 40)**

**06 46 13 Wood Door and Window Casings (06 46)**

**06 46 13 00-0001 Door and Window Casings (06 46 13)**

06 46 13 00-0002 LF 1-1/8" Wide Plain Pine Door And Window Molding.....	5.18	1.74
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.89	
06 46 13 00-0003 LF 1-1/8" Wide Detailed Pine Door And Window Molding.....	5.23	1.74
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.89	
06 46 13 00-0004 LF 2-1/2" Wide Pine Complete Door And Window Trim.....	6.61	1.74
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.89	

**06 46 19 Wood Base and Shoe Moldings (06 46)**

**06 46 19 00-0001 Base And Shoe Molding (06 46 19)**

06 46 19 00-0002 LF 1/2" x 1/2" Pine Quarter Round Trim .....	5.33	2.07
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.04	
06 46 19 00-0003 LF 3/4" x 3/4" Pine Quarter Round Trim .....	5.73	2.07
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.04	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 46 19 00-0004	LF 3-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	6.89	1.31
	<i>For Clear Birch, Add</i>	0.81	
	<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	1.57	
	<i>For Stain Grade Material (No Finger Joints), Add</i>	0.46	
	<i>For Clear Poplar, Add</i>	0.51	
06 46 19 00-0005	LF 4-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	8.37	1.63
	<i>For Clear Birch, Add</i>	0.93	
	<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	1.86	
	<i>For Stain Grade Material (No Finger Joints), Add</i>	0.53	
	<i>For Clear Poplar, Add</i>	0.58	
06 46 19 00-0006	LF 5-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	10.50	1.85
	<i>For Clear Birch, Add</i>	1.44	
	<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	2.63	
	<i>For Stain Grade Material (No Finger Joints), Add</i>	0.81	
	<i>For Clear Poplar, Add</i>	0.90	
06 46 19 00-0007	LF 3/4" x 1" Oak Base Shoe.....	6.75	2.07
06 46 19 00-0008	LF 3/4" x 1" White Pine Base Shoe, Stain Grade.....	6.52	2.07
06 46 19 00-0009	LF 3/4" x 1" White Pine Base Shoe, Paint Grade.....	6.01	2.07
<b>06 46 23 Wood Chair Rails (06 46)</b>			
<b>06 46 23 00-0001 Chair Rails (06 46 23)</b>			
06 46 23 00-0002	LF 5/8" x 2-1/2" White Pine Shaped Chair Rail.....	8.51	1.96
	<i>For Birch, Add</i>	1.33	
	<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.30	
	<i>For Poplar, Add</i>	0.83	
06 46 23 00-0003	LF 5/8" x 3-1/2" White Pine Shaped Chair Rail.....	10.62	1.96
	<i>For Birch, Add</i>	2.00	
	<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	3.25	
	<i>For Poplar, Add</i>	1.25	
06 46 23 00-0004	LF 1/2" x 1-5/8" White Pine Shaped Chair Rail.....	6.31	1.96
	<i>For Birch, Add</i>	0.97	
	<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.70	
	<i>For Poplar, Add</i>	0.61	
<b>06 46 26 Wood Cornices (06 46)</b>			
<b>06 46 26 00-0001 Wood Cornices (06 46 26)</b>			
06 46 26 00-0002	LF 1" x 2" White Pine Cornices, All Dimensions Are Nominal.....	6.25	1.96
	<i>For Birch, Add</i>	0.68	
	<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	1.29	
	<i>For Poplar, Add</i>	0.85	
06 46 26 00-0003	LF 1" x 4" White Pine Cornices, All Dimensions Are Nominal.....	7.96	2.07
	<i>For Birch, Add</i>	1.23	
	<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	1.99	
	<i>For Poplar, Add</i>	1.54	
06 46 26 00-0004	LF 1" x 6" White Pine Cornices, All Dimensions Are Nominal.....	11.25	2.17
	<i>For Birch, Add</i>	2.35	
	<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	3.41	
	<i>For Poplar, Add</i>	2.93	
06 46 26 00-0005	LF 1" x 8" White Pine Cornices, All Dimensions Are Nominal.....	13.05	2.17
	<i>For Birch, Add</i>	2.92	
	<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	4.14	
	<i>For Poplar, Add</i>	3.65	
06 46 26 00-0006	LF 1" x 10" White Pine Cornices, All Dimensions Are Nominal.....	15.12	2.29
	<i>For Birch, Add</i>	3.58	
	<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	4.99	
	<i>For Poplar, Add</i>	4.47	
06 46 26 00-0007	LF 1" x 12" White Pine Cornices, All Dimensions Are Nominal.....	19.59	2.51
	<i>For Birch, Add</i>	5.09	
	<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	6.91	
	<i>For Poplar, Add</i>	6.36	
<b>06 46 29 Wood Fasciae and Soffits (06 46)</b>			
<b>06 46 29 00-0001 Fascia Board (06 46 29)</b>			
<b>06 46 29 00-0002 Pine Fascia Board (06 46 29 00-0001)</b>			
06 46 29 00-0003	LF 1" x 6" Pine Fascia Board.....	5.36	2.17
06 46 29 00-0004	LF 1" x 8" Pine Fascia Board.....	6.18	2.42
06 46 29 00-0005	LF 1" x 10" Pine Fascia Board.....	6.73	2.54
06 46 29 00-0006	LF 1" x 12" Pine Fascia Board.....	8.01	2.84
06 46 29 00-0007	LF 2" x 6" Pine Fascia Board.....	5.29	2.17
06 46 29 00-0008	LF 2" x 8" Pine Fascia Board.....	6.07	2.42
06 46 29 00-0009	LF 2" x 10" Pine Fascia Board.....	6.88	2.54
06 46 29 00-0010	LF 2" x 12" Pine Fascia Board.....	8.47	2.84
06 46 29 00-0011	LF 2" x 6" Trim, Exterior, Pine, Resawn Fascia.....	6.82	2.17
06 46 29 00-0012	LF 2" x 8" Trim, Exterior, Pine, Resawn Fascia.....	8.08	2.42
06 46 29 00-0013	LF 2" x 10" Trim, Exterior, Pine, Resawn Fascia.....	9.20	2.54
06 46 29 00-0014	LF 2" x 12" Trim, Exterior, Pine, Resawn Fascia.....	11.92	2.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>06 46 29 00-0015 Cedar Fascia Board</b> <small>(06 46 29 00-0001)</small>		
06 46 29 00-0016 LF 1" x 6" Cedar Fascia Board.....	5.84	2.17
06 46 29 00-0017 LF 1" x 8" Cedar Fascia Board.....	6.92	2.42
06 46 29 00-0018 LF 1" x 10" Cedar Fascia Board.....	8.17	2.54
06 46 29 00-0019 LF 1" x 12" Cedar Fascia Board.....	10.04	2.84
<b>06 46 29 00-0020 Engineered Wood Fascia Board</b> <small>(06 46 29 00-0001)</small>		
06 46 29 00-0021 LF 1" x 6" Engineered Wood Fascia Board.....	5.09	2.17
06 46 29 00-0022 LF 1" x 8" Engineered Wood Fascia Board.....	5.81	2.42
06 46 29 00-0023 LF 1" x 12" Engineered Wood Fascia Board.....	7.14	2.84
<b>06 46 29 00-0024 Soffit</b> <small>(06 46 29)</small>		
<b>06 46 29 00-0025 Sanded Plywood Soffit</b> <small>(06 46 29 00-0024)</small>		
06 46 29 00-0026 SF 3/8" Thick, Sanded Plywood Soffit.....	5.12	1.65
06 46 29 00-0027 SF 1/2" Thick, Sanded Plywood Soffit.....	5.72	1.74
06 46 29 00-0028 SF 5/8" Thick, Sanded Plywood Soffit.....	6.00	1.81
06 46 29 00-0029 SF 3/4" Thick, Sanded Plywood Soffit.....	6.78	1.91
<b>06 46 29 00-0030 MDO Plywood Soffit</b> <small>(06 46 29 00-0024)</small>		
06 46 29 00-0031 SF 3/8" Thick, MDO Plywood Soffit.....	5.96	1.65
06 46 29 00-0032 SF 1/2" Thick, MDO Plywood Soffit.....	6.79	1.74
06 46 29 00-0033 SF 3/4" Thick, MDO Plywood Soffit.....	8.86	1.91
<b>06 46 29 00-0034 Exterior Ceiling Gypsum Board Soffit</b> <small>(06 46 29 00-0024)</small>		
06 46 29 00-0035 SF 1/2" Thick, Exterior Ceiling Gypsum Board Soffit.....	3.44	1.43
06 46 29 00-0036 SF 5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit.....	3.70	1.51
<b>06 48 Wood Frames</b> <small>(06 48)</small>		
<small>Note: Includes perimeter caulk, sealant (as required), anchors and silencers.</small>		
<b>06 48 13 Exterior Wood Door Frames</b> <small>(06 48)</small>		
<b>06 48 13 00-0001 Exterior Door Frames</b> <small>(06 48 13)</small>		
<small>Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.</small>		
06 48 13 00-0002 EA 3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim.....	361.75	61.79
<i>For Birch, Add</i>	83.39	
<i>For Mahogany, Add</i>	202.53	
06 48 13 00-0003 EA 3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim.....	380.69	64.76
<i>For Birch, Add</i>	88.12	
<i>For Mahogany, Add</i>	214.00	
06 48 13 00-0004 EA 4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim.....	399.65	67.28
<i>For Birch, Add</i>	92.83	
<i>For Mahogany, Add</i>	225.44	
06 48 13 00-0005 EA 5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim.....	436.21	72.00
<i>For Birch, Add</i>	102.25	
<i>For Mahogany, Add</i>	248.31	
06 48 13 00-0006 EA 6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim.....	473.43	77.16
<i>For Birch, Add</i>	111.68	
<i>For Mahogany, Add</i>	271.22	
06 48 13 00-0007 EA 3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim.....	561.67	62.01
06 48 13 00-0008 EA 3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim.....	570.78	64.76
06 48 13 00-0009 EA 4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim.....	579.86	67.50
06 48 13 00-0010 EA 5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim.....	595.92	71.89
06 48 13 00-0011 EA 6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim.....	614.26	77.38
06 48 13 00-0012 EA 3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim.....	430.59	62.01
06 48 13 00-0013 EA 3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim.....	451.53	64.76
06 48 13 00-0014 EA 4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim.....	472.57	67.50
06 48 13 00-0015 EA 5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim.....	512.27	71.89
06 48 13 00-0016 EA 6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim.....	554.18	77.38
<b>06 48 16 Interior Wood Door Frames</b> <small>(06 48)</small>		
<b>06 48 16 00-0001 Interior Door Frames</b> <small>(06 48 16)</small>		
<small>Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.</small>		
06 48 16 00-0002 EA 2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim.....	182.12	29.42
<i>For Oak Or Maple, Add</i>	38.23	
<i>For Birch, Add</i>	43.16	
<i>For Mahogany, Add</i>	104.82	
<i>For Walnut Frame, Add</i>	55.49	
06 48 16 00-0003 EA 2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim.....	183.44	29.53
<i>For Oak Or Maple, Add</i>	38.55	
<i>For Birch, Add</i>	43.53	
<i>For Mahogany, Add</i>	105.71	
<i>For Walnut Frame, Add</i>	55.96	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 48 Wood Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 48 16 00-0004	EA		2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	185.53	30.08
			<i>For Oak Or Maple, Add</i>	38.84	
			<i>For Birch, Add</i>	43.86	
			<i>For Mahogany, Add</i>	106.51	
			<i>For Walnut Frame, Add</i>	56.39	
06 48 16 00-0005	EA		3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	188.27	30.84
			<i>For Oak Or Maple, Add</i>	39.22	
			<i>For Birch, Add</i>	44.29	
			<i>For Mahogany, Add</i>	107.55	
			<i>For Walnut Frame, Add</i>	56.94	
06 48 16 00-0006	EA		3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	192.53	31.61
			<i>For Oak Or Maple, Add</i>	40.06	
			<i>For Birch, Add</i>	45.22	
			<i>For Mahogany, Add</i>	109.83	
			<i>For Walnut Frame, Add</i>	58.14	
06 48 16 00-0007	EA		4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	203.27	33.58
			<i>For Oak Or Maple, Add</i>	42.17	
			<i>For Birch, Add</i>	47.61	
			<i>For Mahogany, Add</i>	115.63	
			<i>For Walnut Frame, Add</i>	61.22	
06 48 16 00-0008	EA		5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	215.62	36.33
			<i>For Oak Or Maple, Add</i>	44.30	
			<i>For Birch, Add</i>	50.02	
			<i>For Mahogany, Add</i>	121.47	
			<i>For Walnut Frame, Add</i>	64.31	
06 48 16 00-0009	EA		6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	226.90	38.63
			<i>For Oak Or Maple, Add</i>	46.42	
			<i>For Birch, Add</i>	52.41	
			<i>For Mahogany, Add</i>	127.27	
			<i>For Walnut Frame, Add</i>	67.38	
06 48 16 00-0010	LF		4-9/16", Pine Interior Door Frame	7.53	2.63
			<i>For Oak Or Maple, Add</i>	0.70	
			<i>For Birch, Add</i>	0.79	
			<i>For Mahogany, Add</i>	1.92	
			<i>For Walnut Frame, Add</i>	1.02	

**06 50 Structural Plastics** <sup>(06)</sup>**06 51 Structural Plastic Shapes and Plates** <sup>(06 50)</sup>**06 51 13 Plastic Lumber** <sup>(06 51)</sup>**06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber** <sup>(06 51 13)</sup>

06 51 13 00-0002	LF		2" x 6", Beam Or Girder, Recycled Plastic Lumber	13.57	1.77
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.09	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.99	
			<i>For White Color, Add</i>	4.70	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.98	
06 51 13 00-0003	LF		2" x 8", Beam Or Girder, Recycled Plastic Lumber	17.43	1.92
			<i>For Reinforced Structural Plastic Lumber, Add</i>	5.44	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.32	
			<i>For White Color, Add</i>	6.24	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.29	
06 51 13 00-0004	LF		2" x 10", Beam Or Girder, Recycled Plastic Lumber	20.94	2.07
			<i>For Reinforced Structural Plastic Lumber, Add</i>	6.65	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.62	
			<i>For White Color, Add</i>	7.64	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.47	
06 51 13 00-0005	LF		3" x 10", Beam Or Girder, Recycled Plastic Lumber	30.77	2.46
			<i>For Reinforced Structural Plastic Lumber, Add</i>	10.09	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.45	
			<i>For White Color, Add</i>	11.59	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	9.81	
06 51 13 00-0006	LF		3" x 12", Beam Or Girder, Recycled Plastic Lumber	36.90	2.76
			<i>For Reinforced Structural Plastic Lumber, Add</i>	12.19	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.97	
			<i>For White Color, Add</i>	14.00	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	11.86	
06 51 13 00-0007	LF		4" x 4", Beam Or Girder, Recycled Plastic Lumber	19.63	2.38
			<i>For Reinforced Structural Plastic Lumber, Add</i>	6.00	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.46	
			<i>For White Color, Add</i>	6.89	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.84	
06 51 13 00-0008	LF		4" x 6", Beam Or Girder, Recycled Plastic Lumber	26.65	2.53
			<i>For Reinforced Structural Plastic Lumber, Add</i>	8.52	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.07	
			<i>For White Color, Add</i>	9.79	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	8.29	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0009 LF 5" x 5", Beam Or Girder, Recycled Plastic Lumber .....	27.76	2.61
For Reinforced Structural Plastic Lumber, Add	8.89	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.16	
For White Color, Add	10.21	
For All Other Colors (Except Black, Brown Or White), Add	8.65	
06 51 13 00-0010 LF 6" x 6", Beam Or Girder, Recycled Plastic Lumber .....	38.55	2.85
For Reinforced Structural Plastic Lumber, Add	12.76	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	3.10	
For White Color, Add	14.65	
For All Other Colors (Except Black, Brown Or White), Add	12.41	
06 51 13 00-0011 LF 6" x 8", Beam Or Girder, Recycled Plastic Lumber .....	52.87	3.00
For Reinforced Structural Plastic Lumber, Add	17.97	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	4.37	
For White Color, Add	20.65	
For All Other Colors (Except Black, Brown Or White), Add	17.49	
<b>06 51 13 00-0012 Joists, Recycled Plastic Lumber</b> <small>(06 51 13)</small>		
06 51 13 00-0013 LF 2" x 4", Joist, Recycled Plastic Lumber .....	8.88	0.99
For Reinforced Structural Plastic Lumber, Add	2.76	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.67	
For White Color, Add	3.17	
For All Other Colors (Except Black, Brown Or White), Add	2.68	
06 51 13 00-0014 LF 2" x 6", Joist, Recycled Plastic Lumber .....	12.48	1.05
For Reinforced Structural Plastic Lumber, Add	4.09	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.99	
For White Color, Add	4.70	
For All Other Colors (Except Black, Brown Or White), Add	3.98	
06 51 13 00-0015 LF 2" x 8", Joist, Recycled Plastic Lumber .....	16.34	1.15
For Reinforced Structural Plastic Lumber, Add	5.44	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.32	
For White Color, Add	6.24	
For All Other Colors (Except Black, Brown Or White), Add	5.29	
06 51 13 00-0016 LF 2" x 10", Joist, Recycled Plastic Lumber .....	19.95	1.38
For Reinforced Structural Plastic Lumber, Add	6.65	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.62	
For White Color, Add	7.64	
For All Other Colors (Except Black, Brown Or White), Add	6.47	
06 51 13 00-0017 LF 3" x 10", Joist, Recycled Plastic Lumber .....	29.57	1.62
For Reinforced Structural Plastic Lumber, Add	10.09	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.45	
For White Color, Add	11.59	
For All Other Colors (Except Black, Brown Or White), Add	9.81	
06 51 13 00-0018 LF 3" x 12", Joist, Recycled Plastic Lumber .....	35.92	2.07
For Reinforced Structural Plastic Lumber, Add	12.19	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.97	
For White Color, Add	14.00	
For All Other Colors (Except Black, Brown Or White), Add	11.86	
06 51 13 00-0019 LF 4" x 4", Joist, Recycled Plastic Lumber .....	18.30	1.46
For Reinforced Structural Plastic Lumber, Add	6.00	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.46	
For White Color, Add	6.89	
For All Other Colors (Except Black, Brown Or White), Add	5.84	
06 51 13 00-0020 LF 4" x 6", Joist, Recycled Plastic Lumber .....	25.23	1.53
For Reinforced Structural Plastic Lumber, Add	8.52	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.07	
For White Color, Add	9.79	
For All Other Colors (Except Black, Brown Or White), Add	8.29	
06 51 13 00-0021 LF 5" x 5", Joist, Recycled Plastic Lumber .....	26.43	1.69
For Reinforced Structural Plastic Lumber, Add	8.89	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.16	
For White Color, Add	10.21	
For All Other Colors (Except Black, Brown Or White), Add	8.65	
06 51 13 00-0022 LF 6" x 6", Joist, Recycled Plastic Lumber .....	37.22	1.92
For Reinforced Structural Plastic Lumber, Add	12.76	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	3.10	
For White Color, Add	14.65	
For All Other Colors (Except Black, Brown Or White), Add	12.41	

**06 Wood, Plastics, and Composites****06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0023	LF		6" x 8", Joist, Recycled Plastic Lumber.....	51.55	2.07
			<i>For Reinforced Structural Plastic Lumber, Add</i>	17.97	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	4.37	
			<i>For White Color, Add</i>	20.65	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	17.49	
<b>06 51 13 00-0024</b>			<b>Columns, Recycled Plastic Lumber</b> (06 51 13)		
06 51 13 00-0025	LF		4" x 4", Column, Recycled Plastic Lumber.....	20.72	3.15
			<i>For Reinforced Structural Plastic Lumber, Add</i>	6.00	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.46	
			<i>For White Color, Add</i>	6.89	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.84	
06 51 13 00-0026	LF		4" x 6", Column, Recycled Plastic Lumber.....	29.39	4.45
			<i>For Reinforced Structural Plastic Lumber, Add</i>	8.52	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.07	
			<i>For White Color, Add</i>	9.79	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	8.29	
06 51 13 00-0027	LF		5" x 5", Column, Recycled Plastic Lumber.....	31.16	4.99
			<i>For Reinforced Structural Plastic Lumber, Add</i>	8.89	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.16	
			<i>For White Color, Add</i>	10.21	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	8.65	
06 51 13 00-0028	LF		6" x 6", Column, Recycled Plastic Lumber.....	42.60	5.68
			<i>For Reinforced Structural Plastic Lumber, Add</i>	12.76	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	3.10	
			<i>For White Color, Add</i>	14.65	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	12.41	
06 51 13 00-0029	LF		6" x 8", Column, Recycled Plastic Lumber.....	58.57	6.99
			<i>For Reinforced Structural Plastic Lumber, Add</i>	17.97	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	4.37	
			<i>For White Color, Add</i>	20.65	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	17.49	
<b>06 51 13 00-0030</b>			<b>Walls, Recycled Plastic Lumber</b> (06 51 13)		
06 51 13 00-0031	LF		2" x 3", Walls, Recycled Plastic Lumber.....	7.94	0.99
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.41	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.59	
			<i>For White Color, Add</i>	2.77	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.34	
06 51 13 00-0032	LF		2" x 4", Walls, Recycled Plastic Lumber.....	9.10	1.15
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.76	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.67	
			<i>For White Color, Add</i>	3.17	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.68	
06 51 13 00-0033	LF		2" x 6", Walls, Recycled Plastic Lumber.....	12.81	1.23
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.09	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.99	
			<i>For White Color, Add</i>	4.70	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.98	
06 51 13 00-0034	LF		2" x 8", Walls, Recycled Plastic Lumber.....	16.55	1.30
			<i>For Reinforced Structural Plastic Lumber, Add</i>	5.44	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.32	
			<i>For White Color, Add</i>	6.24	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.29	
<b>06 51 13 00-0035</b>			<b>Other Shapes, Recycled Plastic Lumber</b> (06 51 13)		
06 51 13 00-0036	LF		5/4" x 4", Other Shapes, Recycled Plastic Lumber.....	7.76	0.87
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.38	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.58	
			<i>For White Color, Add</i>	2.73	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.31	
06 51 13 00-0037	LF		5/4" x 6", Other Shapes, Recycled Plastic Lumber.....	9.93	0.99
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.15	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.77	
			<i>For White Color, Add</i>	3.62	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0038 LF 5/4" x 8", Recycled Plastic Lumber ..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	13.10 4.32	0.99
<i>For Brown Color, Add</i>	1.05	
<i>For White Color, Add</i>	4.96	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.20	
06 51 13 00-0039 LF 1" x 4", Other Shapes, Recycled Plastic Lumber ..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	7.80 2.39	0.87
<i>For Brown Color, Add</i>	0.58	
<i>For White Color, Add</i>	2.75	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.33	
06 51 13 00-0040 LF 1" x 6", Other Shapes, Recycled Plastic Lumber ..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	8.64 2.67	0.99
<i>For Brown Color, Add</i>	0.65	
<i>For White Color, Add</i>	3.07	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.60	
06 51 13 00-0041 LF 1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber ..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	8.80 2.73	0.99
<i>For Brown Color, Add</i>	0.66	
<i>For White Color, Add</i>	3.14	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.66	
06 51 13 00-0042 LF 2" x 2", Other Shapes, Recycled Plastic Lumber ..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	5.32 1.52	0.84
<i>For Brown Color, Add</i>	0.37	
<i>For White Color, Add</i>	1.75	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.48	
06 51 13 00-0043 LF 2" x 3", Other Shapes, Recycled Plastic Lumber ..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	7.94 2.41	0.99
<i>For Brown Color, Add</i>	0.59	
<i>For White Color, Add</i>	2.77	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.34	
06 51 13 00-0044 LF 2" x 4", Other Shapes, Recycled Plastic Lumber ..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	9.10 2.76	1.15
<i>For Brown Color, Add</i>	0.67	
<i>For White Color, Add</i>	3.17	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.68	
06 51 13 00-0045 LF 2" x 6", Other Shapes, Recycled Plastic Lumber ..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	12.81 4.09	1.23
<i>For Brown Color, Add</i>	0.99	
<i>For White Color, Add</i>	4.70	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.98	
06 51 13 00-0046 LF 2" x 8", Other Shapes, Recycled Plastic Lumber ..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	16.55 5.44	1.30
<i>For Brown Color, Add</i>	1.32	
<i>For White Color, Add</i>	6.24	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.29	
06 51 13 00-0047 LF 2" x 10", Other Shapes, Recycled Plastic Lumber ..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	19.95 6.65	1.38
<i>For Brown Color, Add</i>	1.62	
<i>For White Color, Add</i>	7.64	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.47	
06 51 13 00-0048 LF 2" x 12", Other Shapes, Recycled Plastic Lumber ..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	24.19 8.18	1.46
<i>For Brown Color, Add</i>	1.99	
<i>For White Color, Add</i>	9.40	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	7.96	
06 51 13 00-0049 LF 3" x 4", Other Shapes, Recycled Plastic Lumber ..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	13.13 4.15	1.34
<i>For Brown Color, Add</i>	1.01	
<i>For White Color, Add</i>	4.76	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.04	
06 51 13 00-0050 LF 3" x 6", Other Shapes, Recycled Plastic Lumber ..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	19.44 6.43	1.43
<i>For Brown Color, Add</i>	1.57	
<i>For White Color, Add</i>	7.39	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.26	
06 51 13 00-0051 LF 3" x 8", Other Shapes, Recycled Plastic Lumber ..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	25.45 8.61	1.53
<i>For Brown Color, Add</i>	2.09	
<i>For White Color, Add</i>	9.89	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	8.38	

**06 Wood, Plastics, and Composites****06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0052	LF	3" x 10", Other Shapes, Recycled Plastic Lumber	.....	29.57	1.62
		<i>For Reinforced Structural Plastic Lumber, Add</i>		10.09	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		2.45	
		<i>For White Color, Add</i>		11.59	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		9.81	
06 51 13 00-0053	LF	3" x 12", Other Shapes, Recycled Plastic Lumber	.....	35.92	2.07
		<i>For Reinforced Structural Plastic Lumber, Add</i>		12.19	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		2.97	
		<i>For White Color, Add</i>		14.00	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		11.86	
06 51 13 00-0054	LF	4" x 4", Other Shapes, Recycled Plastic Lumber	.....	18.30	1.46
		<i>For Reinforced Structural Plastic Lumber, Add</i>		6.00	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		1.46	
		<i>For White Color, Add</i>		6.89	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		5.84	
06 51 13 00-0055	LF	4" x 6", Other Shapes, Recycled Plastic Lumber	.....	25.23	1.53
		<i>For Reinforced Structural Plastic Lumber, Add</i>		8.52	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		2.07	
		<i>For White Color, Add</i>		9.79	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		8.29	
06 51 13 00-0056	LF	4" x 8", Other Shapes, Recycled Plastic Lumber	.....	34.06	1.67
		<i>For Reinforced Structural Plastic Lumber, Add</i>		11.72	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		2.85	
		<i>For White Color, Add</i>		13.46	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		11.40	
06 51 13 00-0057	LF	5" x 5", Other Shapes, Recycled Plastic Lumber	.....	26.43	1.69
		<i>For Reinforced Structural Plastic Lumber, Add</i>		8.89	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		2.16	
		<i>For White Color, Add</i>		10.21	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		8.65	
06 51 13 00-0058	LF	6" x 6", Other Shapes, Recycled Plastic Lumber	.....	37.22	1.92
		<i>For Reinforced Structural Plastic Lumber, Add</i>		12.76	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		3.10	
		<i>For White Color, Add</i>		14.65	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		12.41	
06 51 13 00-0059	LF	6" x 8", Other Shapes, Recycled Plastic Lumber	.....	51.55	2.07
		<i>For Reinforced Structural Plastic Lumber, Add</i>		17.97	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		4.37	
		<i>For White Color, Add</i>		20.65	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		17.49	
06 51 13 00-0060	LF	6" x 12", Other Shapes, Recycled Plastic Lumber	.....	73.00	2.31
		<i>For Reinforced Structural Plastic Lumber, Add</i>		25.79	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		6.27	
		<i>For White Color, Add</i>		29.63	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		25.10	
06 51 13 00-0061	LF	8" x 8", Other Shapes, Recycled Plastic Lumber	.....	64.85	2.22
		<i>For Reinforced Structural Plastic Lumber, Add</i>		22.83	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		5.55	
		<i>For White Color, Add</i>		26.22	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		22.21	
06 51 13 00-0062	LF	8" x 10", Other Shapes, Recycled Plastic Lumber	.....	111.31	2.31
		<i>For Reinforced Structural Plastic Lumber, Add</i>		39.97	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		9.72	
		<i>For White Color, Add</i>		45.91	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		38.89	
06 51 13 00-0063	LF	10" x 10", Other Shapes, Recycled Plastic Lumber	.....	154.69	2.42
		<i>For Reinforced Structural Plastic Lumber, Add</i>		55.97	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		13.61	
		<i>For White Color, Add</i>		64.29	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		54.45	
06 51 13 00-0064	LF	2" Diameter, Other Shapes, Recycled Plastic Lumber	.....	5.75	0.77
		<i>For Reinforced Structural Plastic Lumber, Add</i>		1.72	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		0.42	
		<i>For White Color, Add</i>		1.98	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		1.67	
06 51 13 00-0065	LF	3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber	.....	16.94	0.99
		<i>For Reinforced Structural Plastic Lumber, Add</i>		5.74	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		1.40	
		<i>For White Color, Add</i>		6.59	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		5.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0066 LF 4" Diameter, Other Shapes, Recycled Plastic Lumber.....	18.67	1.15
For Reinforced Structural Plastic Lumber, Add	6.30	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.53	
For White Color, Add	7.23	
For All Other Colors (Except Black, Brown Or White), Add	6.13	
06 51 13 00-0067 LF 5" Diameter, Other Shapes, Recycled Plastic Lumber.....	23.12	1.38
For Reinforced Structural Plastic Lumber, Add	7.83	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.90	
For White Color, Add	8.99	
For All Other Colors (Except Black, Brown Or White), Add	7.61	
06 51 13 00-0068 LF 6" Diameter, Other Shapes, Recycled Plastic Lumber.....	51.67	1.62
For Reinforced Structural Plastic Lumber, Add	18.26	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	4.44	
For White Color, Add	20.98	
For All Other Colors (Except Black, Brown Or White), Add	17.77	
06 51 13 00-0069 SF 1/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	4.58	0.84
06 51 13 00-0070 SF 1/4" Thick, Other Shapes, Recycled Plastic Sheeting.....	6.82	0.87
06 51 13 00-0071 SF 3/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	9.96	0.94
06 51 13 00-0072 SF 1/2" Thick, Other Shapes, Recycled Plastic Sheeting.....	12.77	0.97

## 06 52 Plastic Structural Assemblies (06 50)

### 06 52 13 Plastic Columns (06 52)

#### 06 52 13 00-0001 Round Fiberglass Columns (06 52 13)

06 52 13 00-0002 LF 6" Diameter, Round Fiberglass Column.....	21.88	6.65
06 52 13 00-0003 LF 8" Diameter, Round Fiberglass Column.....	30.70	9.67
06 52 13 00-0004 LF 10" Diameter, Round Fiberglass Column.....	36.04	10.88
06 52 13 00-0005 LF 12" Diameter, Round Fiberglass Column.....	46.66	11.39
06 52 13 00-0006 LF 15" Diameter, Round Fiberglass Column.....	57.60	13.14
06 52 13 00-0007 EA 6" Diameter, Base And Cap For Round Fiberglass Columns .....	42.50	12.59
06 52 13 00-0008 EA 8" Diameter, Base And Cap For Round Fiberglass Columns .....	47.44	13.59
06 52 13 00-0009 EA 10" Diameter, Base And Cap For Round Fiberglass Columns .....	56.82	15.11
06 52 13 00-0010 EA 12" Diameter, Base And Cap For Round Fiberglass Columns .....	83.35	16.12
06 52 13 00-0011 EA 15" Diameter, Base And Cap For Round Fiberglass Columns .....	117.15	17.63

#### 06 52 13 00-0012 Fluted Fiberglass Columns (06 52 13)

06 52 13 00-0013 LF 6" Diameter, Fluted Fiberglass Column .....	23.58	6.65
06 52 13 00-0014 LF 8" Diameter, Fluted Fiberglass Column .....	32.96	9.67
06 52 13 00-0015 LF 10" Diameter, Fluted Fiberglass Column .....	38.90	10.88
06 52 13 00-0016 LF 12" Diameter, Fluted Fiberglass Column .....	51.46	11.39
06 52 13 00-0017 LF 15" Diameter, Fluted Fiberglass Column .....	63.86	13.19
06 52 13 00-0018 EA 6" Diameter, Base And Cap For Fluted Fiberglass Columns .....	45.96	12.59
06 52 13 00-0019 EA 8" Diameter, Base And Cap For Fluted Fiberglass Columns .....	51.49	13.59
06 52 13 00-0020 EA 10" Diameter, Base And Cap For Fluted Fiberglass Columns .....	62.14	15.11
06 52 13 00-0021 EA 12" Diameter, Base And Cap For Fluted Fiberglass Columns .....	93.57	16.12
06 52 13 00-0022 EA 15" Diameter, Base And Cap For Fluted Fiberglass Columns .....	133.53	17.63

#### 06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns (06 52 13)

06 52 13 00-0024 EA 8" Roman Ionic Cap And Base For Fiberglass Columns .....	213.36	15.11
06 52 13 00-0025 EA 10" Roman Ionic Cap And Base For Fiberglass Columns .....	286.79	17.63
06 52 13 00-0026 EA 12" Roman Ionic Cap And Base For Fiberglass Columns .....	369.48	20.14
06 52 13 00-0027 EA 8" Scamozzi Cap And Base For Fiberglass Columns .....	256.25	15.11
06 52 13 00-0028 EA 10" Scamozzi Cap And Base For Fiberglass Columns .....	308.81	17.63
06 52 13 00-0029 EA 12" Scamozzi Cap And Base For Fiberglass Columns .....	455.26	20.14
06 52 13 00-0030 EA 8" Corinthian Cap And Base For Fiberglass Columns .....	325.80	15.11
06 52 13 00-0031 EA 10" Corinthian Cap And Base For Fiberglass Columns .....	395.75	17.63
06 52 13 00-0032 EA 12" Corinthian Cap And Base For Fiberglass Columns .....	527.12	20.14
06 52 13 00-0033 EA 8" Temple Of Winds Cap And Base For Fiberglass Columns .....	216.84	15.11
06 52 13 00-0034 EA 10" Temple Of Winds Cap And Base For Fiberglass Columns .....	293.75	17.63
06 52 13 00-0035 EA 12" Temple Of Winds Cap And Base For Fiberglass Columns .....	376.44	20.14
06 52 13 00-0036 EA 8" Greek Erectheum Cap And Base For Fiberglass Columns .....	216.84	15.11
06 52 13 00-0037 EA 10" Greek Erectheum Cap And Base For Fiberglass Columns .....	261.29	17.63
06 52 13 00-0038 EA 12" Greek Erectheum Cap And Base For Fiberglass Columns .....	347.46	20.14

## 06 53 Plastic Decking (06 50)

### 06 53 16 Plastic Stair Treads (06 53)

#### 06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads (06 53 16)

Note: Includes standard colors and anchors. Excludes stringers.		
06 53 16 00-0002 LF 1" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer .....	37.37	2.59
06 53 16 00-0003 LF 1-1/2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer .....	50.57	3.10
06 53 16 00-0004 LF 2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer .....	84.61	3.42

<b>06</b>	<b>06 Wood, Plastics, and Composites</b>
	<b>06 60 Plastic Fabrications</b>
	<b>06 53 Plastic Decking</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**06 60 Plastic Fabrications** (06)

**06 65 Plastic Trim** (06 60)

**06 65 00 00-0001 Plastic Moldings** (06 65)

Note: All dimensions are nominal.

**06 65 00 00-0002 Base, Plastic Moldings** (06 65 00 00-0001)

06 65 00 00-0003	LF	3-1/2" High, Base, Plastic Molding.....	7.94	2.17
06 65 00 00-0004	LF	4-1/2" High, Base, Plastic Molding.....	9.58	2.73
06 65 00 00-0005	LF	3/4" x 1", Base Shoe, Plastic Molding.....	6.99	2.29

**06 65 00 00-0006 Cornice, Plastic Moldings** (06 65 00 00-0001)

06 65 00 00-0007	LF	1" x 2" Cornice, Plastic Molding.....	7.03	2.17
06 65 00 00-0008	LF	1" x 4" Cornice, Plastic Molding.....	9.37	2.29
06 65 00 00-0009	LF	1" x 6" Cornice, Plastic Molding.....	13.95	2.40
06 65 00 00-0010	LF	1" x 8" Cornice, Plastic Molding.....	16.39	2.51
06 65 00 00-0011	LF	1" x 10" Cornice, Plastic Molding.....	19.23	2.62
06 65 00 00-0012	LF	1" x 12" Cornice, Plastic Molding.....	25.44	2.73

**06 65 00 00-0013 Crown Or Bed, Plastic Moldings** (06 65 00 00-0001)

06 65 00 00-0014	LF	9/16" x 1-5/8" Crown Or Bed, Plastic Molding.....	15.10	2.17
06 65 00 00-0015	LF	9/16" x 2-1/4" Crown Or Bed, Plastic Molding.....	20.49	2.73
06 65 00 00-0016	LF	9/16" x 3-1/2" Crown Or Bed, Plastic Molding.....	21.53	2.73
06 65 00 00-0017	LF	9/16" x 3-5/8" Crown Or Bed, Plastic Molding.....	22.56	2.73
06 65 00 00-0018	LF	5/8" x 4-1/4" Crown Or Bed, Plastic Molding.....	29.83	3.27
06 65 00 00-0019	LF	11/16" x 4-5/8" Crown Or Bed, Plastic Molding.....	36.23	3.27

**06 65 00 00-0020 Dentil, Plastic Moldings** (06 65 00 00-0001)

06 65 00 00-0021	LF	11/16" x 1-3/8" Dentil, Plastic Molding.....	12.36	2.17
06 65 00 00-0022	LF	5/8" x 2-1/2" Dentil, Plastic Molding.....	14.32	2.17
06 65 00 00-0023	LF	1-3/8" x 3-3/8" Dentil, Plastic Molding.....	18.73	2.17
06 65 00 00-0024	LF	1-1/2" x 4-1/2" Dentil, Plastic Molding.....	26.34	2.17

**06 65 00 00-0025 Cove, Plastic Moldings** (06 65 00 00-0001)

06 65 00 00-0026	LF	3/8" x 3/8" Cove, Plastic Molding.....	4.28	1.20
06 65 00 00-0027	LF	1/2" x 1/2" Cove, Plastic Molding.....	4.80	1.20
06 65 00 00-0028	LF	5/8" x 5/8" Cove, Plastic Molding.....	6.52	1.42
06 65 00 00-0029	LF	3/4" x 3/4" Cove, Plastic Molding.....	6.52	1.42
06 65 00 00-0030	LF	15/16" x 15/16" Cove, Plastic Molding.....	8.81	1.42
06 65 00 00-0031	LF	9/16" x 1-3/4" Cove, Plastic Molding.....	11.73	1.63
06 65 00 00-0032	LF	11/16" x 2-3/4" Cove, Plastic Molding.....	16.57	1.63

**06 65 00 00-0033 Chair Rail, Plastic Moldings** (06 65 00 00-0001)

06 65 00 00-0034	LF	1/2" x 1-5/8" Chair Rail, Plastic Molding.....	7.57	1.63
06 65 00 00-0035	LF	5/8" x 2-1/2" Chair Rail, Plastic Molding.....	10.23	2.17
06 65 00 00-0036	LF	5/8" x 3-1/2" Chair Rail, Plastic Molding.....	13.21	2.17

**06 65 00 00-0037 Door, Plastic Moldings** (06 65 00 00-0001)

06 65 00 00-0038	LF	1-1/8" Wide, Door, Plastic Molding.....	5.71	1.96
06 65 00 00-0039	LF	1-1/8" Wide, Detailed Door, Plastic Molding.....	5.78	1.96

**06 65 00 00-0040 Trim, Plastic Moldings** (06 65 00 00-0001)

06 65 00 00-0041	LF	1/2" x 1/2" Quarter Round Trim, Plastic Molding.....	5.66	2.29
06 65 00 00-0042	LF	3/4" x 3/4" Quarter Round Trim, Plastic Molding.....	6.74	2.29
06 65 00 00-0043	LF	1-1/4" x 2" Brick Mould, Plastic Molding.....	6.47	2.17
06 65 00 00-0044	LF	1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding.....	7.46	2.17
06 65 00 00-0045	LF	11/16" x 1-5/8" Drip Cap, Plastic Molding.....	5.51	2.17
06 65 00 00-0046	LF	2-3/4" x 2" Water Table, Plastic Molding.....	8.18	2.17
06 65 00 00-0047	LF	3/8" x 2" Garage Door Stop, Plastic Molding.....	6.06	2.17

**06 65 00 00-0048 Extruded Polyvinyl Chloride (PVC) Trimboard** (06 65)

Note: As manufactured by Azek or Kleer. All dimensions are nominal.

06 65 00 00-0049	LF	1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard.....	3.95	0.88
06 65 00 00-0050	LF	1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard.....	5.65	0.98
06 65 00 00-0051	LF	1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard.....	7.38	1.09
06 65 00 00-0052	LF	1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard.....	8.89	1.11
06 65 00 00-0053	LF	1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	10.54	1.15
06 65 00 00-0054	LF	5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard.....	4.83	0.88
06 65 00 00-0055	LF	5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard.....	7.01	0.98
06 65 00 00-0056	LF	5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard.....	8.90	1.09



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 65 00 00-0057	LF		5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard.....	10.97	1.11
06 65 00 00-0058	LF		5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	12.86	1.15
06 65 00 00-0059	LF		3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board.....	10.49	1.11
06 65 00 00-0060	LF		5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board.....	13.90	1.15
06 65 00 00-0061	SF		1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	7.36	0.98
06 65 00 00-0062	SF		3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	10.57	1.09

**06 70 Structural Composites** (06)

**06 74 Composite Gratings** (06 70)

**06 74 13 Fiberglass Reinforced Gratings** (06 74)

**06 74 13 00-0001 Molded Fiberglass Gratings And Coverings** (06 74 13)

**06 74 13 00-0002 Vi-Corr Resin System** (06 74 13 00-0001)

Note: Orange or dark gray.

06 74 13 00-0003	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top.....	39.95	1.86
06 74 13 00-0004	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top.....	38.81	1.86
06 74 13 00-0005	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top.....	50.63	1.86
06 74 13 00-0006	SF	2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top.....	54.83	2.38
06 74 13 00-0007	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top.....	41.93	1.86
06 74 13 00-0008	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top.....	40.74	1.86
06 74 13 00-0009	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top.....	53.47	1.86
06 74 13 00-0010	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top.....	57.51	2.38
06 74 13 00-0011	SF	1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	37.85	1.49
06 74 13 00-0012	SF	1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	61.28	1.64
06 74 13 00-0013	SF	3/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	83.96	1.80

**06 74 13 00-0014 IFR Fire Retardant Isophthalic Resin** (06 74 13 00-0001)

06 74 13 00-0015	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	36.75	1.86
06 74 13 00-0016	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	34.43	1.86
06 74 13 00-0017	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	44.28	1.86
06 74 13 00-0018	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	47.79	2.38
06 74 13 00-0019	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	38.37	1.86
06 74 13 00-0020	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	35.34	1.86
06 74 13 00-0021	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	48.13	2.38
06 74 13 00-0022	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	50.44	2.38
06 74 13 00-0023	SF	1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	33.37	1.49
06 74 13 00-0024	SF	1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	47.22	1.64
06 74 13 00-0025	SF	3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	64.85	1.80

**06 74 13 00-0026 Corvex Polyester Resin** (06 74 13 00-0001)

Note: Dark gray.

06 74 13 00-0027	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top.....	31.19	1.86
06 74 13 00-0028	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top.....	29.96	1.86
06 74 13 00-0029	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top.....	36.31	1.86
06 74 13 00-0030	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top.....	41.74	2.38
06 74 13 00-0031	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top.....	33.24	1.86
06 74 13 00-0032	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top.....	31.99	1.86
06 74 13 00-0033	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top.....	38.68	1.86
06 74 13 00-0034	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top.....	43.77	2.38
06 74 13 00-0035	SF	1/4" Corvex Polyester Resin, Fiberplate Covering.....	29.47	1.49
06 74 13 00-0036	SF	1/2" Corvex Polyester Resin, Fiberplate Covering.....	47.01	1.64
06 74 13 00-0037	SF	3/4" Corvex Polyester Resin, Fiberplate Covering.....	65.19	1.80

**06 74 13 00-0038 XFR Extra Fire Retardant** (06 74 13 00-0001)

06 74 13 00-0039	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top.....	45.87	1.86
06 74 13 00-0040	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top.....	44.54	1.86
06 74 13 00-0041	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top.....	60.95	1.86
06 74 13 00-0042	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top.....	65.12	2.38
06 74 13 00-0043	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top.....	47.87	1.86
06 74 13 00-0044	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top.....	46.57	1.86
06 74 13 00-0045	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top.....	63.32	1.86
06 74 13 00-0046	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top.....	67.99	2.38
06 74 13 00-0047	SF	1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering.....	43.34	1.49
06 74 13 00-0048	SF	1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering.....	70.08	1.64

**06 74 13 00-0049 ELS Extremely Low Smoke Resin** (06 74 13 00-0001)

06 74 13 00-0050	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top.....	47.04	1.86
06 74 13 00-0051	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top.....	45.62	1.86
06 74 13 00-0052	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top.....	59.31	1.86
06 74 13 00-0053	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top.....	63.58	2.38
06 74 13 00-0054	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top.....	48.89	1.86
06 74 13 00-0055	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top.....	47.72	1.86
06 74 13 00-0056	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top.....	61.60	1.86

**06 Wood, Plastics, and Composites****06 70 Structural Composites****06 74 Composite Gratings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0057 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top .....	65.89	2.38
06 74 13 00-0058 SF 1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering .....	48.44	1.49
06 74 13 00-0059 SF 1/2 ELS Extremity Low Smoke Resin, Fiberplate Covering .....	87.32	1.64
<b>06 74 13 00-0060 Pultruded Fiberglass Grating (06 74 13)</b>		
<b>06 74 13 00-0061 ISOFR Isophthalic Polyester Resin System (06 74 13 00-0060)</b>		
Note: For moderately corrosive environments, green.		
<b>06 74 13 00-0062 1" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)</b>		
06 74 13 00-0063 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	33.46	2.38
06 74 13 00-0064 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	29.70	1.86
06 74 13 00-0065 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin .....	37.84	2.38
06 74 13 00-0066 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin .....	34.99	1.86
06 74 13 00-0067 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin .....	26.11	2.38
06 74 13 00-0068 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin .....	23.13	1.86
06 74 13 00-0069 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin .....	29.90	2.38
06 74 13 00-0070 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin .....	27.00	1.86
<b>06 74 13 00-0071 1-1/2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)</b>		
06 74 13 00-0072 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	37.79	2.38
06 74 13 00-0073 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	34.13	1.86
06 74 13 00-0074 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin .....	42.47	2.38
06 74 13 00-0075 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin .....	39.85	1.86
06 74 13 00-0076 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin .....	33.22	2.38
06 74 13 00-0077 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin .....	30.32	1.86
<b>06 74 13 00-0078 2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)</b>		
06 74 13 00-0079 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	32.80	2.38
06 74 13 00-0080 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	36.30	2.38
06 74 13 00-0081 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin .....	43.88	2.38
06 74 13 00-0082 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin .....	41.40	2.38
<b>06 74 13 00-0083 VEF Vinyl Ester Resin System (06 74 13 00-0060)</b>		
<b>06 74 13 00-0084 1" VEF Vinyl Ester Resin System (06 74 13 00-0083)</b>		
06 74 13 00-0085 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin .....	35.43	1.86
06 74 13 00-0086 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin .....	31.68	1.86
06 74 13 00-0087 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VEF Vinyl Ester Resin .....	39.85	1.86
06 74 13 00-0088 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VEF Vinyl Ester Resin .....	45.75	1.86
06 74 13 00-0089 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VEF Vinyl Ester Resin .....	27.19	1.86
06 74 13 00-0090 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VEF Vinyl Ester Resin .....	24.30	1.86
06 74 13 00-0091 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VEF Vinyl Ester Resin .....	31.22	1.86
06 74 13 00-0092 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VEF Vinyl Ester Resin .....	28.64	1.86
<b>06 74 13 00-0093 1-1/2" VEF Vinyl Ester Resin System (06 74 13 00-0083)</b>		
06 74 13 00-0094 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin .....	38.90	1.86
06 74 13 00-0095 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin .....	35.20	1.86
06 74 13 00-0096 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VEF Vinyl Ester Resin .....	44.48	1.86
06 74 13 00-0097 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VEF Vinyl Ester Resin .....	41.53	1.86
06 74 13 00-0098 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VEF Vinyl Ester Resin .....	34.96	1.86
06 74 13 00-0099 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VEF Vinyl Ester Resin .....	32.20	1.86
<b>06 74 13 00-0100 2" VEF Vinyl Ester Resin System (06 74 13 00-0083)</b>		
06 74 13 00-0101 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin .....	34.46	2.38
06 74 13 00-0102 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin .....	31.78	2.38
06 74 13 00-0103 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VEF Vinyl Ester Resin .....	46.20	2.38
06 74 13 00-0104 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VEF Vinyl Ester Resin .....	44.87	2.38

**06 80 Composite Fabrications (06)****06 82 Composite Trim (06 80)****06 82 00 00-0001 Fiberglass Castings (06 82)****06 82 00 00-0002 Fiberglass Angle, Equal Legs (06 82 00 00-0001)**

06 82 00 00-0003 LF 1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	8.80	3.10
06 82 00 00-0004 LF 1" x 1" x 1/8" Thick Fiberglass Angle, VEF Vinyl Ester Resin .....	9.22	3.10
06 82 00 00-0005 LF 3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	16.32	3.73
06 82 00 00-0006 LF 3" x 3" x 1/4" Thick Fiberglass Angle, VEF Vinyl Ester Resin .....	17.99	3.73
06 82 00 00-0007 LF 4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	18.10	3.73
06 82 00 00-0008 LF 4" x 4" x 1/4" Thick Fiberglass Angle, VEF Vinyl Ester Resin .....	19.31	3.73
06 82 00 00-0009 LF 4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	20.94	3.73
06 82 00 00-0010 LF 4" x 4" x 3/8" Thick Fiberglass Angle, VEF Vinyl Ester Resin .....	23.54	3.73





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0011 LF 6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	56.08	4.66
06 82 00 00-0012 LF 6" x 6" x 1/2" Thick Fiberglass Angle, VERF Vinyl Ester Resin.....	64.46	4.66
<b>06 82 00 00-0013 Fiberglass Channels</b> (06 82 00 00-0001)		
06 82 00 00-0014 LF 3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	10.18	4.66
06 82 00 00-0015 LF 3" x 1" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin.....	10.60	4.66
06 82 00 00-0016 LF 4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	21.02	5.28
06 82 00 00-0017 LF 4" x 1 1/8" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin.....	21.02	5.28
06 82 00 00-0018 LF 6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	32.78	5.28
06 82 00 00-0019 LF 6" x 1 11/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin.....	38.07	5.28
06 82 00 00-0020 LF 8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	30.80	5.28
06 82 00 00-0021 LF 8" x 2 3/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin.....	37.29	5.28
06 82 00 00-0022 LF 10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin .....	46.94	7.25
06 82 00 00-0023 LF 10" x 2-3/4" x 1/2" Fiberglass Channel, VERF Vinyl Ester Resin.....	53.76	7.25
<b>06 82 00 00-0024 Fiberglass Wide Flange Beams</b> (06 82 00 00-0001)		
06 82 00 00-0025 LF 4" x 4" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	28.79	6.21
06 82 00 00-0026 LF 4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin.....	31.43	6.21
06 82 00 00-0027 LF 6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	36.79	7.45
06 82 00 00-0028 LF 6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin.....	38.05	7.45
06 82 00 00-0029 LF 8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	59.13	9.31
06 82 00 00-0030 LF 8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin.....	74.01	9.31
06 82 00 00-0031 LF 10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	130.60	11.38
06 82 00 00-0032 LF 10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin.....	146.88	11.38
<b>06 82 00 00-0033 Fiberglass Flat Sheet</b> (06 82 00 00-0001)		
Note: Not to be used for bathroom board.		
06 82 00 00-0034 SF 1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin .....	23.80	5.28
06 82 00 00-0035 SF 1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin .....	24.84	5.28
06 82 00 00-0036 SF 1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin .....	37.24	6.21
06 82 00 00-0037 SF 1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin .....	42.77	6.21
06 82 00 00-0038 SF 3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin .....	50.45	7.45
06 82 00 00-0039 SF 3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin .....	58.75	7.45
06 82 00 00-0040 SF 1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin .....	67.96	9.31
06 82 00 00-0041 SF 1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin .....	80.67	9.31
<b>06 82 00 00-0042 Fiberglass Bars</b> (06 82 00 00-0001)		
<b>06 82 00 00-0043 Square Bars</b> (06 82 00 00-0042)		
06 82 00 00-0044 LF 1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin .....	14.20	3.73
06 82 00 00-0045 LF 1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin .....	20.28	5.48
06 82 00 00-0046 LF 1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin .....	23.77	7.25
<b>06 82 00 00-0047 Round Bars</b> (06 82 00 00-0042)		
06 82 00 00-0048 LF 1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin .....	9.17	3.10
06 82 00 00-0049 LF 1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin .....	19.54	4.66
06 82 00 00-0050 LF 1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin.....	22.06	4.66
06 82 00 00-0051 LF 1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin .....	29.12	4.66
06 82 00 00-0052 LF 1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin .....	34.77	5.28
<b>06 82 00 00-0053 Fiberglass Tubes</b> (06 82 00 00-0001)		
<b>06 82 00 00-0054 Square Tube</b> (06 82 00 00-0053)		
06 82 00 00-0055 LF 1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	10.31	3.10
06 82 00 00-0056 LF 1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin.....	11.13	3.10
06 82 00 00-0057 LF 2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	15.19	3.73
06 82 00 00-0058 LF 2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin.....	16.63	3.73
06 82 00 00-0059 LF 3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	28.81	4.66
06 82 00 00-0060 LF 3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin.....	32.13	4.66
06 82 00 00-0061 LF 4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	33.90	5.58
06 82 00 00-0062 LF 4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin.....	43.15	5.58
<b>06 82 00 00-0063 Round Tube</b> (06 82 00 00-0053)		
06 82 00 00-0064 LF 1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin .....	9.88	3.10
06 82 00 00-0065 LF 1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin.....	10.25	3.10
06 82 00 00-0066 LF 2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin .....	18.39	3.73
06 82 00 00-0067 LF 2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin.....	19.61	3.73
<b>06 82 00 00-0068 Fiberglass Threaded Rods</b> (06 82 00 00-0001)		
06 82 00 00-0069 LF 3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	13.22	2.38
06 82 00 00-0070 LF 1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	14.06	2.38
06 82 00 00-0071 LF 5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	16.15	2.69

**06 Wood, Plastics, and Composites****06 80 Composite Fabrications****06 82 Composite Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0072 LF 3/4" Diameter Fiberglass Threaded Rod, VEFR Vinyl Ester Resin .....	17.78	2.69
06 82 00 00-0073 LF 1" Diameter Fiberglass Threaded Rod, VEFR Vinyl Ester Resin .....	19.63	2.69
<b>06 82 00 00-0074 Grating Support Legs, VEFR Resin (06 82 00 00-0001)</b>		
06 82 00 00-0075 EA Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings .....	25.90	
06 82 00 00-0076 EA Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings .....	11.10	
06 82 00 00-0077 EA Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings.....	41.74	
<b>06 82 00 00-0078 Fiberglass Netting (06 82 00 00-0001)</b>		
06 82 00 00-0079 SF 1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting .....	0.68	0.32
06 82 00 00-0080 SF 1/2" x 2" Mesh, Clear Flexible Fiberglass Netting .....	0.68	0.32
06 82 00 00-0081 SF 3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting .....	0.68	0.32
06 82 00 00-0082 SF 7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting .....	0.68	0.32
06 82 00 00-0083 SF 1" x 1" Mesh, Clear Flexible Fiberglass Netting .....	0.68	0.32
06 82 00 00-0084 SF 1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting.....	0.66	0.32
06 82 00 00-0085 SF 1/2" x 2" Mesh, Green Flexible Fiberglass Netting.....	0.66	0.32
06 82 00 00-0086 SF 3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting.....	0.66	0.32
06 82 00 00-0087 SF 7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting.....	0.66	0.32
06 82 00 00-0088 SF 1" x 1" Mesh, Green Flexible Fiberglass Netting.....	0.66	0.32
<b>06 82 00 00-0089 Fiberglass Stair Treads (06 82)</b>		
<b>06 82 00 00-0090 Fiberglass Stair Treads (06 82 00 00-0089)</b>		
<b>06 82 00 00-0091 10-1/2" Deep Isophthalic Resin System (06 82 00 00-0090)</b>		
06 82 00 00-0092 EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System .....	90.24	16.25
06 82 00 00-0093 EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System .....	104.72	16.25
06 82 00 00-0094 EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System .....	119.20	16.25
06 82 00 00-0095 EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System .....	133.68	16.25
06 82 00 00-0096 EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System.....	98.93	16.25
06 82 00 00-0097 EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System .....	115.58	16.25
06 82 00 00-0098 EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System .....	132.23	16.25
06 82 00 00-0099 EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System .....	148.88	16.25
06 82 00 00-0100 EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System .....	112.25	16.25
06 82 00 00-0101 EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System .....	132.23	16.25
06 82 00 00-0102 EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System .....	152.21	16.25
06 82 00 00-0103 EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System .....	172.19	16.25
<b>06 82 00 00-0104 12" Deep Isophthalic Resin System (06 82 00 00-0090)</b>		
06 82 00 00-0105 EA 1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System .....	98.52	16.25
06 82 00 00-0106 EA 1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System .....	115.06	16.25
06 82 00 00-0107 EA 1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System .....	131.61	16.25
06 82 00 00-0108 EA 1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System .....	148.16	16.25
06 82 00 00-0109 EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System .....	108.45	16.25
06 82 00 00-0110 EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System .....	127.47	16.25
06 82 00 00-0111 EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System .....	146.50	16.25
06 82 00 00-0112 EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System .....	165.53	16.25
06 82 00 00-0113 EA 2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System .....	123.67	16.25
06 82 00 00-0114 EA 2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System .....	146.50	16.25
06 82 00 00-0115 EA 2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System .....	169.34	16.25
06 82 00 00-0116 EA 2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System .....	192.17	16.25
<b>06 82 00 00-0117 Other Fiberglass (06 82)</b>		
<b>06 82 00 00-0118 Fiberglass Splash Blocks (06 82 00 00-0117)</b>		
06 82 00 00-0119 EA Standard Size Fiberglass Splash Block .....	17.27	3.17
<b>06 83 Composite Paneling (06 80)</b>		
<b>06 83 16 Fiberglass Reinforced Paneling (06 83)</b>		
<b>06 83 16 00-0001 Fiberglass Reinforced Polyester (FRP) Panels (06 83 16)</b>		
Note: Includes adhesive and trim.		
06 83 16 00-0002 SF Fiberglass Reinforced Polyester (FRP) Paneling.....	4.79	1.59
Note: Including Adhesive And Trim		

**END OF SECTION 06**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 07 Thermal And Moisture Protection

### 07 01 Operation and Maintenance of Thermal and Moisture Protection <sup>(07)</sup>

#### 07 01 50 Maintenance of Membrane Roofing <sup>(07 01)</sup>

##### 07 01 50 19 Preparation for Re-Roofing <sup>(07 01 50)</sup>

##### 07 01 50 19-0001 Preparation For Re-Roofing <sup>(07 01 50 19)</sup>

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal .....	35.14
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal.....	62.02

##### 07 01 50 81 Roof Replacement <sup>(07 01 50)</sup>

##### 07 01 50 81-0001 Roof Repair <sup>(07 01 50 81)</sup>

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Up To 10 SF Roof Repair, Built-Up Roofing .....	19.41
07 01 50 81-0003	SF	>10 To 25 SF Roof Repair, Built-Up Roofing .....	17.37
07 01 50 81-0004	SF	>25 To 50 SF Roof Repair, Built-Up Roofing .....	15.79
07 01 50 81-0005	SF	>50 To 100 SF Roof Repair, Built-Up Roofing .....	14.69
07 01 50 81-0006	SF	Up To 10 SF Roof Repair, Membrane Roofing .....	21.85
07 01 50 81-0007	SF	>10 To 25 SF Roof Repair, Membrane Roofing .....	19.81
07 01 50 81-0008	SF	>25 To 50 SF Roof Repair, Membrane Roofing .....	18.23
07 01 50 81-0009	SF	>50 To 100 SF Roof Repair, Membrane Roofing .....	17.13
07 01 50 81-0010	SF	Up To 10 SF Roof Repair, Shingle Roofing .....	16.97
07 01 50 81-0011	SF	>10 To 25 SF Roof Repair, Shingle Roofing .....	15.17
07 01 50 81-0012	SF	>25 To 50 SF Roof Repair, Shingle Roofing .....	13.84
07 01 50 81-0013	SF	>50 To 100 SF Roof Repair, Shingle Roofing.....	12.98
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair.....	6.21

##### 07 01 50 81-0015 Emergency Roof Patch <sup>(07 01 50 81)</sup>

Note: 4 Hour response time.

07 01 50 81-0016	EA	Mobilize For Emergency Roof Patching.....	392.18
07 01 50 81-0017	EA	Granule Emergency Roof Patch Cover 16 SF .....	78.28

##### 07 01 50 81-0018 Adhesives <sup>(07 01 50 81)</sup>

Note: For repair of seams.

##### 07 01 50 81-0019 Mastic Sealer <sup>(07 01 50 81-0018)</sup>

##### 07 01 50 81-0020 Applied At Joints Only <sup>(07 01 50 81-0019)</sup>

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint.....	3.90
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1.67

##### 07 01 50 91 Roofing Restoration <sup>(07 01 50)</sup>

##### 07 01 50 91-0001 Pressure Wash Membrane Roofing <sup>(07 01 50 91)</sup>

07 01 50 91-0002	SF	Up To 2,500 PSI, Pressure Wash Membrane Roofing .....	0.14
		For Up To 100, Add	0.11
		For >100 To 250, Add	0.05
		For >250 To 500, Add	0.02
		For >5,000 To 10,000, Deduct	-0.01
		For >10,000 To 15,000, Deduct	-0.01
		For >15,000 To 30,000, Deduct	-0.02
		For >30,000, Deduct	-0.03

## 07 05 Common Work Results for Thermal and Moisture Protection <sup>(07)</sup>

### 07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work <sup>(07 05)</sup>

#### 07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work <sup>(07 05 13)</sup>

Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.

07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work.....	1,178.44
07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work .....	881.71
07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work .....	589.22
07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work .....	293.91

## 07 10 Dampproofing and Waterproofing <sup>(07)</sup>

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in

**07 Thermal And Moisture Protection****07 10 Dampproofing and Waterproofing**

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

the absence of hydrostatic pressure.

**07 11 Dampproofing** (07 10)**07 11 13 Bituminous Dampproofing** (07 11)**07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray** (07 11 13)

07 11 13 00-0002 CSF 1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray .....159.08  
 07 11 13 00-0003 CSF 2 Coats, Brush, Roller Or Spray, Fibrous Asphalt Dampproofing .....237.51

**07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On** (07 11 13)

07 11 13 00-0005 CSF Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On .....279.50  
 07 11 13 00-0006 CSF Primer And 2 Coats, Troweled On, Fibrous Asphalt Dampproofing .....442.92

**07 11 13 00-0007 Asphaltic Paint Dampproofing** (07 11 13)

07 11 13 00-0008 CSF 1 Coat, Asphaltic Paint Dampproofing, Brushed On .....125.14  
 07 11 13 00-0009 CSF 2 Coats, Brushed On, Asphaltic Paint Dampproofing .....232.63

**07 11 19 Sheet Dampproofing** (07 11)**07 11 19 00-0001 Neoprene** (07 11 19)

07 11 19 00-0002 SF 1/16" Patch Neoprene Roof (5 To 20 SF) .....31.88

**07 13 Sheet Waterproofing** (07 10)**07 13 13 Bituminous Sheet Waterproofing** (07 13)**07 13 13 00-0001 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped** (07 13)

07 13 13 00-0002 CSF 1 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....296.34 95.95  
*For 30 LB Felt, Add 78.32*  
*For Application To Horizontal Surfaces, Deduct -28.79*  
 07 13 13 00-0003 CSF 2 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....380.23 107.95  
*For 30 LB Felt, Add 123.24*  
*For Application To Horizontal Surfaces, Deduct -32.39*  
 07 13 13 00-0004 CSF 3 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....464.10 119.95  
*For 30 LB Felt, Add 168.16*  
*For Application To Horizontal Surfaces, Deduct -35.98*  
 07 13 13 00-0005 CSF 4 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....547.98 131.94  
*For 30 LB Felt, Add 213.08*  
*For Application To Horizontal Surfaces, Deduct -39.58*  
 07 13 13 00-0006 CSF 5 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....631.86 143.94  
*For 30 LB Felt, Add 257.99*  
*For Application To Horizontal Surfaces, Deduct -43.18*

**07 13 13 00-0007 Asphalt Coated Protective Board** (07 13 13)

07 13 13 00-0008 CSF 1/8" Asphalt Coated Protective Board .....232.64 94.42  
*For Application To Horizontal Surfaces, Deduct -31.49*  
 07 13 13 00-0009 CSF 1/4" Asphalt Coated Protective Board .....303.77 98.05  
*For Application To Horizontal Surfaces, Deduct -32.68*  
 07 13 13 00-0010 CSF 3/8" Asphalt Coated Protective Board .....389.46 102.17  
*For Application To Horizontal Surfaces, Deduct -34.04*  
 07 13 13 00-0011 CSF 1/2" Asphalt Coated Protective Board .....433.55 106.29  
*For Application To Horizontal Surfaces, Deduct -35.43*

**07 13 53 Elastomeric Sheet Waterproofing** (07 13)**07 13 53 00-0001 Rubberized Membrane Sheet** (07 13 53)

07 13 53 00-0002 SF 215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface .....6.34 0.98  
*For Floor Surfaces, Deduct -0.96*

**07 13 53 00-0003 Ethylene Propylene Diene Monomer (EPDM)** (07 13 53)

07 13 53 00-0004 CSF 45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane .....390.85 137.26  
*For Application To Horizontal Surfaces, Deduct -41.17*  
 07 13 53 00-0005 CSF 60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane .....444.55 137.26  
*For Application To Horizontal Surfaces, Deduct -41.17*

**07 13 53 00-0006 Butyl Sheet Waterproofing** (07 13 53)

07 13 53 00-0007 CSF 1/32" Butyl Sheet Waterproofing .....94.75 34.31  
*For Joint Taping, Add 12.64*  
*For Each Additional Ply, Add 69.76*  
*For Application To Horizontal Surfaces, Deduct -5.16*



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0008 CSF 1/16" Butyl Sheet Waterproofing..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	113.96 13.61 83.21 -5.16	34.31
<b>07 13 53 00-0009 Butyl With Nylon</b> (07 13 53)		
07 13 53 00-0010 CSF 1/32" Butyl Elastomeric Waterproofing With Nylon..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	105.73 13.19 77.45 -5.16	34.31
07 13 53 00-0011 CSF 1/16" Butyl Elastomeric Waterproofing With Nylon..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	118.08 13.81 86.09 -5.16	34.31
<b>07 13 53 00-0012 Neoprene Sheet Waterproofing</b> (07 13 53)		
07 13 53 00-0013 CSF 1/32" Neoprene Sheet Waterproofing..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	168.91 16.35 121.68 -5.16	34.31
07 13 53 00-0014 CSF 1/16" Neoprene Sheet Waterproofing..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	250.68 20.44 178.91 -5.16	34.31
<b>07 13 53 00-0015 Neoprene With Nylon</b> (07 13 53)		
07 13 53 00-0016 CSF 1/32" Neoprene Elastomeric Waterproofing With Nylon..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	177.44 16.78 127.65 -5.16	34.31
07 13 53 00-0017 CSF 1/16" Neoprene Elastomeric Waterproofing With Nylon..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	264.31 21.12 188.46 -5.16	34.31
<b>07 13 53 00-0018 Plastic Vapor Barrier (Polyethylene)</b> (07 13 53)		
07 13 53 00-0019 CSF 4 Mil Polyethylene Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	36.43 8.59 28.44 -4.41	13.29
07 13 53 00-0020 CSF 6 Mil Polyethylene Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	37.44 8.64 29.15 -4.41	13.29
07 13 53 00-0021 CSF 10 Mil Polyethylene Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	63.23 9.93 47.20 -4.41	13.29
07 13 53 00-0022 CSF 60 Mil Polyethylene Vapor Barrier With Bentonite..... <i>Note: Includes seam tape, liquid mastic, anchors and termination bar.</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	98.81 72.44 -4.90	13.29
<b>07 13 53 00-0023 Plastic Vapor Barrier (PVC)</b> (07 13 53)		
07 13 53 00-0024 CSF 10 Mil Polyvinyl Chloride (PVC) Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	43.39 8.93 33.31 -4.41	14.71
07 13 53 00-0025 CSF 20 Mil Polyvinyl Chloride (PVC) Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	54.68 9.76 41.33 -4.58	15.25
07 13 53 00-0026 CSF 30 Mil Polyvinyl Chloride (PVC) Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	69.72 10.75 51.96 -4.74	15.79
<b>07 13 53 00-0027 Vinyl Plastic Vapor Barrier</b> (07 13 53)		
07 13 53 00-0028 CSF 4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4).....	40.61	13.62
<b>07 14 Fluid-Applied Waterproofing</b> (07 10)		
<b>07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing</b> (07 14)		
07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating (07 14 13)		

**07 Thermal And Moisture Protection****07 10 Dampproofing and Waterproofing****07 14 Fluid-Applied Waterproofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 14 13 00-0002 SF 90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface.....2.21 Note: Includes primer. For Application To Horizontal Surfaces, Deduct -0.18 For Reinforcing Fabric, Add 0.52		
07 14 13 00-0003 SF 125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface.....2.62 Note: Includes primer. For Application To Horizontal Surfaces, Deduct -0.19 For Reinforcing Fabric, Add 0.52		
<b>07 14 16 Cold Fluid-Applied Waterproofing (07 14)</b>		
<b>07 14 16 00-0001 Fluid Applied Rubber Based Polyurethane (07 14 16)</b>		
07 14 16 00-0002 SF 60 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing.....3.58 For Application To Horizontal Surfaces, Deduct -0.41		
07 14 16 00-0003 SF 90 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing.....4.13 For Application To Horizontal Surfaces, Deduct -0.44		
07 14 16 00-0004 SF 120 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing.....4.71 For Application To Horizontal Surfaces, Deduct -0.46		
<b>07 14 16 00-0005 One Part Solution Of Chlorosulfonated Polyethylene Polymer (07 14 16)</b>		
07 14 16 00-0006 SF 15 Mil Finish Coat, 1 Part Solution, Chlorosulfonated Polyethylene (CSM) Polymer .....2.36		
<b>07 14 16 00-0007 Copolymer Compound (07 14 16)</b>		
07 14 16 00-0008 SF 32 Mil, Fluid Elastomeric Copolymer Compound For Slabs.....3.75		
<b>07 14 16 00-0009 Fluid Applied Neoprene (07 14 16)</b>		
07 14 16 00-0010 CSF 1/8" Fiberglass Reinforced, Fluid Applied Neoprene .....451.11 For Application To Horizontal Surfaces, Deduct -50.00		
07 14 16 00-0011 CSF 50 Mil, 4 Coats, Fluid Applied Neoprene.....918.33 For Application To Horizontal Surfaces, Deduct -98.10		
07 14 16 00-0012 CSF 90 Mil, 4 Coats, Fluid Applied Neoprene.....1,509.17 For Application To Horizontal Surfaces, Deduct -147.07		
<b>07 16 Cementitious and Reactive Waterproofing (07 10)</b>		
<b>07 16 13 Polymer Modified Cement Waterproofing (07 16)</b>		
07 16 13 00-0001 SF Polymer Modified Cementitious Waterproofing Assembly, 2 Coats.....4.45 Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.		
<b>07 16 16 Crystalline Waterproofing (07 16)</b>		
07 16 16 00-0001 SF Crystalline Cementitious Waterproofing. 2 Coats (Xypex Concentrate).....5.93		
<b>07 16 19 Metal Oxide Waterproofing (07 16)</b>		
<b>07 16 19 00-0001 Metallic Oxide Waterproofing (07 16 19)</b> Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.		
07 16 19 00-0002 CSF Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller) .....468.52 For Application To Horizontal Surfaces, Deduct -58.22		
<b>07 17 Bentonite Waterproofing (07 10)</b>		
<b>07 17 13 Bentonite Panel Waterproofing (07 17)</b>		
07 17 13 00-0001 CSF 3/16" Bentonite Waterproofing Panels .....377.39 112.66 For Application To Horizontal Surfaces, Deduct -33.81		
07 17 13 00-0002 CSF 1/4" Bentonite Waterproofing Panels .....350.14 119.03 For Application To Horizontal Surfaces, Deduct -36.59		
07 17 13 00-0003 CSF 5/8" Bentonite Waterproofing Panels .....470.21 124.13 For Application To Horizontal Surfaces, Deduct -37.23		
07 17 13 00-0004 CSF 3/8" Granular Bentonite, Troweled .....380.13 103.24 For Application To Horizontal Surfaces, Deduct -30.96		
<b>07 18 Traffic Coatings (07 10)</b>		
<b>07 18 13 Pedestrian Traffic Coatings (07 18)</b>		
<b>07 18 13 00-0001 Elastomeric Plaza Deck System (Garland Dura-Walk®) (07 18 13)</b> Note: For pedestrian and vehicular traffic. Includes 10 year warranty. Excludes surface preparation, deck crack repair, joint sealants or markings.		
07 18 13 00-0002 SQ Porous Concrete Primer (Garland Dura-Walk® FC Primer Kit) .....154.81		
07 18 13 00-0003 SQ 32 mils, Base Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®) .....463.85		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 18 13 00-0004	SQ		16 mils, Wear Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®).....	262.51	
07 18 13 00-0005	SQ		16 mils, Top Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®).....	316.28	
07 18 13 00-0006	LF		6" Wide, Poly Joint Tape (Garland Dura-Walk®).....	1.44	

**07 18 16 Vehicular Traffic Coatings** (07 18)

07 18 16 00-0001			<b>Preparation For Vehicular Traffic Coating</b> (07 18 16) See CSI section 03 01 30 71-0035 for crack repairs, 32 17 23 00-0000 for pavement markings.		
07 18 16 00-0002	SF		Grinding Of Existing Concrete Floor Prior To Installation Of Deck Coating .....	1.06	
07 18 16 00-0003	SF		Shot Blasting Concrete Surface For Vehicular Traffic Coating .....	2.29	

**07 18 16 00-0004 Vehicular Traffic Coating (Sika)** (07 18 16)

Note: Excludes surface preparaion, deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0035 for crack repairs, 07 18 16 00-0001 for surface preparaion, 32 17 23 00-0000 for pavement markings.					
07 18 16 00-0005	SF		23 Mil Thick, Traffic Coating, Two-Component, Elastomeric Polyurethane Waterproofing, Concrete Coating With Primer (Sika Sikalastic® 720).....	3.63	
Note: Excludes crack repair or caulking.					
07 18 16 00-0006	SF		12 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) .....	2.23	
Note: Excludes crack repair or caulking.					
07 18 16 00-0007	SF		14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) .....	2.37	
Note: Excludes crack repair or caulking.					
07 18 16 00-0008	SF		16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) .....	2.52	
Note: Excludes crack repair or caulking.					
07 18 16 00-0009	SF		18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) .....	2.65	
Note: Excludes crack repair or caulking.					
07 18 16 00-0010	SF		14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured) .....	2.57	
Note: Excludes crack repair or caulking.					
07 18 16 00-0011	SF		16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured) .....	2.80	
Note: Excludes crack repair or caulking.					
07 18 16 00-0012	SF		18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured) .....	3.04	
Note: Excludes crack repair or caulking.					

**07 19 Water Repellents** (07 10)**07 19 13 Acrylic Sealer** (07 19)

Note: Per coat.

07 19 13 00-0001	SF		Spray On Concrete, Acrylic Sealer .....	2.18	
07 19 13 00-0002	SF		Spray On Concrete Block/Brick, Acrylic Sealer.....	2.60	
07 19 13 00-0003	SF		Spray On Stone, Acrylic Sealer .....	2.86	

**07 19 16 Silane Water Repellents** (07 19)

07 19 16 00-0001			<b>Silane Concrete Sealer</b> (07 19 16)		
07 19 16 00-0002	SF		Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB) .....	0.69	
07 19 16 00-0003	SF		Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB) .....	1.01	

**07 19 16 00-0004 Silane/Siloxane Concrete Sealer** (07 19 16)

07 19 16 00-0005	SF		Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) .....	1.26	
Note: 40% silane, alcohol based.					
07 19 16 00-0006	SF		Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) .....	1.85	
Note: 40% silane, alcohol based.					
07 19 16 00-0007	SF		Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB).....	0.47	
Note: 200 SF/GAL					
07 19 16 00-0008	SF		Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB) .....	0.70	

**07 20 Thermal Protection** (07)**07 21 Thermal Insulation** (07 20)**07 21 13 Board Insulation** (07 21)

Note: Types are stock sizes, mastic applied.

**07 21 13 13 Foam Board Insulation** (07 21 13)

07 21 13 13-0001			<b>Cold Adhesive Applied Foam Board Insulation</b> (07 21 13 13)		
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**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0002			<b>Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation</b> <small>(07 21 13 13-0001)</small>		
07 21 13 13-0003	SF		1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	2.95	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0004	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	3.95	0.38
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0005	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	4.62	0.38
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0006	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	5.95	0.39
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0007			<b>Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation</b> <small>(07 21 13 13-0001)</small>		
07 21 13 13-0008	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.73	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0009	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.61	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0010	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.77	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0011	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.92	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0012	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	2.58	0.38
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0013	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	3.22	0.39
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0014	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	3.88	0.40
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0015	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	4.53	0.41
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0016	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	5.18	0.42
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0017			<b>Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation</b> <small>(07 21 13 13-0001)</small>		
			Note: 15 PSI compressive strength.		
07 21 13 13-0018	SF		3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	1.99	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.22	
			<i>For 40 PSI Compressive Strength, Add</i>	0.52	
			<i>For 60 PSI Compressive Strength, Add</i>	0.83	
			<i>For 115 PSI Compressive Strength, Add</i>	3.58	
07 21 13 13-0019	SF		1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.35	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.28	
			<i>For 40 PSI Compressive Strength, Add</i>	0.66	
			<i>For 60 PSI Compressive Strength, Add</i>	1.03	
			<i>For 115 PSI Compressive Strength, Add</i>	4.51	
07 21 13 13-0020	SF		3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.64	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.32	
			<i>For 40 PSI Compressive Strength, Add</i>	0.77	
			<i>For 60 PSI Compressive Strength, Add</i>	1.20	
			<i>For 115 PSI Compressive Strength, Add</i>	5.25	
07 21 13 13-0021	SF		1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.16	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.25	
			<i>For 40 PSI Compressive Strength, Add</i>	0.59	
			<i>For 60 PSI Compressive Strength, Add</i>	0.92	
			<i>For 115 PSI Compressive Strength, Add</i>	4.02	
07 21 13 13-0022	SF		2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	3.04	0.38
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.38	
			<i>For 40 PSI Compressive Strength, Add</i>	0.91	
			<i>For 60 PSI Compressive Strength, Add</i>	1.42	
			<i>For 115 PSI Compressive Strength, Add</i>	6.23	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0023 SF 3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	3.92	0.39
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.52	
<i>For 40 PSI Compressive Strength, Add</i>	1.24	
<i>For 60 PSI Compressive Strength, Add</i>	1.93	
<i>For 115 PSI Compressive Strength, Add</i>	8.47	
07 21 13 13-0024 SF 4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	4.38	0.40
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.59	
<i>For 40 PSI Compressive Strength, Add</i>	1.41	
<i>For 60 PSI Compressive Strength, Add</i>	2.19	
<i>For 115 PSI Compressive Strength, Add</i>	9.60	
<b>07 21 13 13-0025 Mechanically Fastened Foam Board Insulation</b> <small>(07 21 13 13)</small>		
Note: Mechanically fastened to wood or steel.		
<b>07 21 13 13-0026 Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation</b> <small>(07 21 13 13-0025)</small>		
Note: Mechanically fastened to wood or steel.		
07 21 13 13-0027 SF 1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	2.74	0.37
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 21 13 13-0028 SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	3.81	0.38
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.58	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 21 13 13-0029 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	4.48	0.38
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.01	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.58	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.00	
07 21 13 13-0030 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	5.87	0.39
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.40	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.68	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.85	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.13	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.19	
<b>07 21 13 13-0031 Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation</b> <small>(07 21 13 13-0025)</small>		
07 21 13 13-0032 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.51	0.37
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

07 21 13 13-0033	SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.39	0.37
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 21 13 13-0034	SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.54	0.37
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 21 13 13-0035	SF 1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.71	0.37
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 21 13 13-0036	SF 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	2.44	0.38
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.01	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.58	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.00	
07 21 13 13-0037	SF 3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	3.15	0.39
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.40	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.68	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.85	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.13	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.19	
07 21 13 13-0038	SF 4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	3.90	0.40
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.43	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.69	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.98	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.23	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.31	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.36	
07 21 13 13-0039	SF 5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	4.67	0.41
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.47	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.93	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.03	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.14	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.34	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	6.41	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.22	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0040 SF 6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) .....	5.83	0.42
For Horizontal Surface Application, Deduct	-0.09	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Mechanically Fastened To Concrete, Add	1.51	
For Mechanically Fastened To Gypsum, Add	1.36	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.56	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.68	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.52	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.02	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.77	
<b>07 21 13 13-0041 Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation</b> (07 21 13 13-0025)		
Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.		
07 21 13 13-0042 SF 3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened .....	1.77	0.37
For Horizontal Surface Application, Deduct	-0.07	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For 25 PSI Compressive Strength, Add	0.16	
For 40 PSI Compressive Strength, Add	0.39	
For 60 PSI Compressive Strength, Add	0.63	
For 115 PSI Compressive Strength, Add	2.72	
For Mechanically Fastened To Concrete, Add	1.32	
For Mechanically Fastened To Gypsum, Add	1.66	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.53	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.71	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.99	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.78	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.55	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.97	
07 21 13 13-0043 SF 1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened .....	2.13	0.37
For Horizontal Surface Application, Deduct	-0.07	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For 25 PSI Compressive Strength, Add	0.22	
For 40 PSI Compressive Strength, Add	0.53	
For 60 PSI Compressive Strength, Add	0.84	
For 115 PSI Compressive Strength, Add	3.65	
For Mechanically Fastened To Concrete, Add	1.32	
For Mechanically Fastened To Gypsum, Add	1.66	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.53	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.71	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.99	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.78	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.55	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.97	
07 21 13 13-0044 SF 3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened .....	2.42	0.37
For Horizontal Surface Application, Deduct	-0.07	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For 25 PSI Compressive Strength, Add	0.27	
For 40 PSI Compressive Strength, Add	0.64	
For 60 PSI Compressive Strength, Add	1.01	
For 115 PSI Compressive Strength, Add	4.39	
For Mechanically Fastened To Concrete, Add	1.32	
For Mechanically Fastened To Gypsum, Add	1.66	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.53	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.71	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.99	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.78	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.55	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.97	
07 21 13 13-0045 SF 1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened .....	1.95	0.37
For Horizontal Surface Application, Deduct	-0.08	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For 25 PSI Compressive Strength, Add	0.19	
For 40 PSI Compressive Strength, Add	0.46	
For 60 PSI Compressive Strength, Add	0.73	
For 115 PSI Compressive Strength, Add	3.16	
For Mechanically Fastened To Concrete, Add	1.32	
For Mechanically Fastened To Gypsum, Add	1.66	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.53	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.71	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.99	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.78	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.55	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.97	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0046 SF 2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened .....	2.90	0.38
For Horizontal Surface Application, Deduct	-0.08	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For 25 PSI Compressive Strength, Add	0.34	
For 40 PSI Compressive Strength, Add	0.81	
For 60 PSI Compressive Strength, Add	1.27	
For 115 PSI Compressive Strength, Add	5.53	
For Mechanically Fastened To Concrete, Add	1.36	
For Mechanically Fastened To Gypsum, Add	1.62	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.65	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.75	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.01	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.97	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.58	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.00	
07 21 13 13-0047 SF 3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened .....	3.85	0.39
For Horizontal Surface Application, Deduct	-0.08	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For 25 PSI Compressive Strength, Add	0.49	
For 40 PSI Compressive Strength, Add	1.16	
For 60 PSI Compressive Strength, Add	1.81	
For 115 PSI Compressive Strength, Add	7.92	
For Mechanically Fastened To Concrete, Add	1.40	
For Mechanically Fastened To Gypsum, Add	1.68	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.74	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.85	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.13	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.11	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.76	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.19	
07 21 13 13-0048 SF 4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened .....	4.40	0.40
For Horizontal Surface Application, Deduct	-0.08	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For 25 PSI Compressive Strength, Add	0.57	
For 40 PSI Compressive Strength, Add	1.36	
For 60 PSI Compressive Strength, Add	2.12	
For 115 PSI Compressive Strength, Add	9.31	
For Mechanically Fastened To Concrete, Add	1.43	
For Mechanically Fastened To Gypsum, Add	1.69	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.87	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.98	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.23	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.31	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.97	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.36	
<b>07 21 13 16 Fibrous Board Insulation</b> <small>(07 21 13)</small>		
07 21 13 16-0001 Cold Adhesive Applied Fibrous Board Insulation <small>(07 21 13 16)</small>		
07 21 13 16-0002 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation <small>(07 21 13 16-0001)</small>		
07 21 13 16-0003 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied .....	2.11	0.47
For Horizontal Surface Application, Deduct	-0.08	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
07 21 13 16-0004 SF 2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied .....	2.91	0.56
For Horizontal Surface Application, Deduct	-0.09	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
07 21 13 16-0005 SF 3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied .....	3.72	0.65
For Horizontal Surface Application, Deduct	-0.11	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
<b>07 21 13 16-0006 Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation</b> <small>(07 21 13 16-0001)</small>		
07 21 13 16-0007 SF 1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied .....	3.33	0.37
For Horizontal Surface Application, Deduct	-0.06	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
07 21 13 16-0008 SF 1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied .....	5.43	0.38
For Horizontal Surface Application, Deduct	-0.06	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
07 21 13 16-0009 SF 2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied .....	6.72	0.39
For Horizontal Surface Application, Deduct	-0.06	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
07 21 13 16-0010 SF 2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied .....	7.77	0.39
For Horizontal Surface Application, Deduct	-0.06	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0011 SF 3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied .....	8.81	0.39
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
 07 21 13 16-0012 Mechanically Fastened Fibrous Board Insulation <small>(07 21 13 16)</small>		
Note: Mechanically fastened to wood or steel.		
07 21 13 16-0013 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation <small>(07 21 13 16-0012)</small>		
Note: Mechanically fastened to wood or steel.		
07 21 13 16-0014 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	1.77	0.47
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 21 13 16-0015 SF 2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	2.63	0.56
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.01	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.58	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.00	
07 21 13 16-0016 SF 3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	3.50	0.65
<i>For Horizontal Surface Application, Deduct</i>	-0.11	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.40	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.68	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.85	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.13	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.19	
 07 21 13 16-0017 Mechanically Fastened, Fiberglass, Fibrous Board Insulation <small>(07 21 13 16-0012)</small>		
Note: Mechanically fastened to wood or steel.		
07 21 13 16-0018 SF 1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	3.12	0.37
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 21 13 16-0019 SF 1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened .....	5.29	0.38
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.58	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0020	SF	2"	Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	6.58	0.39
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.01	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.58	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.00	
07 21 13 16-0021	SF	2-1/2"	Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	7.70	0.39
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.40	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.85	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.65	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.10	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.13	
07 21 13 16-0022	SF	3"	Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	8.74	0.39
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.40	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.68	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.85	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.13	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.19	
<b>07 21 13 19</b>			<b>Mineral Board Insulation</b> (07 21 13)		
07 21 13 19-0001			Cold Adhesive Applied Mineral Board Insulation (07 21 13 19)		
07 21 13 19-0002			Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation (07 21 13 19-0001)		
07 21 13 19-0003	SF	1/2"	Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	1.69	0.42
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0004	SF	25/32"	Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	1.93	0.44
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0005	SF	1"	Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	2.19	0.47
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0006	SF	1-1/2"	Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	2.63	0.51
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0007	SF	2"	Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	3.07	0.56
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0008	SF	3"	Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	3.95	0.65
			<i>For Horizontal Surface Application, Deduct</i>	-0.11	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0009			Mechanically Fastened Mineral Board Insulation (07 21 13 19) Note: Mechanically fastened to wood or steel.		
07 21 13 19-0010			Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation (07 21 13 19-0009) Note: Mechanically fastened to wood or steel.		
07 21 13 19-0011	SF	1/2"	Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.35	0.42
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 19-0012 SF 25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.59	0.44
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 21 13 19-0013 SF 1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.85	0.47
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 21 13 19-0014 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened .....	2.35	0.51
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.58	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 21 13 19-0015 SF 2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.78	0.56
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.01	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.58	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.00	
07 21 13 19-0016 SF 3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	3.73	0.65
<i>For Horizontal Surface Application, Deduct</i>	-0.11	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.40	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.68	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.85	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.13	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.19	

**07 21 16**

**Blanket Insulation (07 21)**

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001	Fiberglass Flexible Insulation (07 21 16)		
	Note: Rolls or batts.		
07 21 16 00-0002	Kraft Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0003	SF 3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation .....	1.83	0.43
	<i>For &gt;1,600, Deduct</i>	-0.24	
07 21 16 00-0004	SF 3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation .....	2.03	0.43
	<i>For &gt;1,600, Deduct</i>	-0.28	
07 21 16 00-0005	SF 3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation .....	2.09	0.43
	<i>For &gt;1,600, Deduct</i>	-0.29	
07 21 16 00-0006	SF 5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation .....	3.00	0.43
	<i>For &gt;1,600, Deduct</i>	-0.47	
07 21 16 00-0007	SF 6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation .....	2.40	0.43
	<i>For &gt;1,600, Deduct</i>	-0.34	
07 21 16 00-0008	SF 9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation .....	3.51	0.53
	<i>For &gt;1,600, Deduct</i>	-0.55	
07 21 16 00-0009	SF 12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation.....	3.97	0.53
	<i>For &gt;1,600, Deduct</i>	-0.61	
07 21 16 00-0010	Unfaced, Fiberglass Flexible Insulation (07 21 16 00-0001)		

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0011	SF		3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation.....	1.70	0.43
			<i>For &gt;1,600, Deduct</i>	-0.21	
07 21 16 00-0012	SF		3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation.....	1.93	0.43
			<i>For &gt;1,600, Deduct</i>	-0.26	
07 21 16 00-0013	SF		3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation.....	2.78	0.43
			<i>For &gt;1,600, Deduct</i>	-0.43	
07 21 16 00-0014	SF		5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation.....	2.85	0.43
			<i>For &gt;1,600, Deduct</i>	-0.44	
07 21 16 00-0015	SF		6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation.....	2.30	0.43
			<i>For &gt;1,600, Deduct</i>	-0.32	
07 21 16 00-0016	SF		9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation.....	3.25	0.53
			<i>For &gt;1,600, Deduct</i>	-0.49	
07 21 16 00-0017	SF		12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation.....	3.80	0.53
			<i>For &gt;1,600, Deduct</i>	-0.58	
<b>07 21 16 00-0018</b>			<b>Foil Faced, Fiberglass Flexible Insulation</b> <small>(07 21 16 00-0001)</small>		
07 21 16 00-0019	SF		3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation .....	2.19	0.43
			<i>For &gt;1,600, Deduct</i>	-0.31	
07 21 16 00-0020	SF		3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation .....	2.52	0.43
			<i>For &gt;1,600, Deduct</i>	-0.38	
07 21 16 00-0021	SF		6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation .....	2.86	0.43
			<i>For &gt;1,600, Deduct</i>	-0.43	
07 21 16 00-0022	SF		10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation .....	4.16	0.53
			<i>For &gt;1,600, Deduct</i>	-0.66	
07 21 16 00-0023	SF		12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation.....	4.59	0.53
			<i>For &gt;1,600, Deduct</i>	-0.74	
<b>07 21 16 00-0024</b>			<b>Poly-Encapsulated, Fiberglass Flexible Insulation</b> <small>(07 21 16 00-0001)</small>		
07 21 16 00-0025	SF		3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation .....	1.89	0.43
			<i>For &gt;1,600, Deduct</i>	-0.25	
07 21 16 00-0026	SF		3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation .....	2.09	0.43
			<i>For &gt;1,600, Deduct</i>	-0.29	
07 21 16 00-0027	SF		5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation .....	3.11	0.43
			<i>For &gt;1,600, Deduct</i>	-0.49	
07 21 16 00-0028	SF		6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation .....	2.44	0.43
			<i>For &gt;1,600, Deduct</i>	-0.35	
07 21 16 00-0029	SF		8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation .....	3.45	0.53
			<i>For &gt;1,600, Deduct</i>	-0.54	
07 21 16 00-0030	SF		10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation .....	3.80	0.53
			<i>For &gt;1,600, Deduct</i>	-0.58	
<b>07 21 16 00-0031</b>			<b>Mineral Wool Flexible Insulation</b> <small>(07 21 16)</small>		
<b>07 21 16 00-0032</b>			<b>Kraft Faced, Mineral Wool Flexible Insulation</b> <small>(07 21 16 00-0031)</small>		
07 21 16 00-0033	SF		3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation.....	2.13	0.43
			<i>For &gt;1,600, Deduct</i>	-0.30	
07 21 16 00-0034	SF		6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation.....	3.01	0.43
			<i>For &gt;1,600, Deduct</i>	-0.46	
07 21 16 00-0035	SF		9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation.....	4.99	0.43
			<i>For &gt;1,600, Deduct</i>	-0.84	
07 21 16 00-0036	SF		12" Kraft Faced, R-38 Mineral Wool Flexible Insulation.....	5.98	0.43
			<i>For &gt;1,600, Deduct</i>	-1.02	
<b>07 21 16 00-0037</b>			<b>Unfaced, Mineral Wool Flexible Insulation</b> <small>(07 21 16 00-0031)</small>		
07 21 16 00-0038	SF		3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation.....	1.93	0.43
			<i>For &gt;1,600, Deduct</i>	-0.26	
07 21 16 00-0039	SF		6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation.....	2.70	0.43
			<i>For &gt;1,600, Deduct</i>	-0.40	
07 21 16 00-0040	SF		9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation.....	4.40	0.43
			<i>For &gt;1,600, Deduct</i>	-0.72	
07 21 16 00-0041	SF		12" Unfaced, R-38 Mineral Wool Flexible Insulation .....	5.26	0.43
			<i>For &gt;1,600, Deduct</i>	-0.87	
<b>07 21 16 00-0042</b>			<b>Natural Cotton Insulation</b> <small>(07 21 16)</small>		
<b>07 21 16 00-0043</b>			<b>UltraTouch™ Natural Cotton Insulation</b> <small>(07 21 16 00-0042)</small>		
			Note: 85% recycled denim cotton.		
07 21 16 00-0044	SF		3-1/2", R-13 UltraTouch™ Natural Cotton Insulation .....	3.16	0.43
			<i>For &gt;1,600, Deduct</i>	-0.51	
07 21 16 00-0045	SF		5-1/2", R-19 UltraTouch™ Natural Cotton Insulation .....	3.59	0.43
			<i>For &gt;1,600, Deduct</i>	-0.59	
07 21 16 00-0046	SF		5-1/2", R-21 UltraTouch™ Natural Cotton Insulation .....	4.09	0.43
			<i>For &gt;1,600, Deduct</i>	-0.69	
07 21 16 00-0047	SF		8", R-30 UltraTouch™ Natural Cotton Insulation .....	5.60	0.43
			<i>For &gt;1,600, Deduct</i>	-0.97	

**07 21 19 Foamed-In-Place Insulation** (07 21)





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 21 19 00-0001 Polyurethane Foam Insulation, Sprayed On <small>(07 21 19)</small></b>		
07 21 19 00-0002 EA Foamed-In-Place, Spray Polyurethane Insulation Minimum Charge .....	1,312.86	
Note: For projects where the total foamed-in-place insulation charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
07 21 19 00-0003 SF 1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	1.39	
For Up To 250 SF, Add	0.52	
For >250 To 500 SF, Add	0.26	
For >500 To 1,000 SF, Add	0.11	
For >5,000 To 10,000 SF, Deduct	-0.16	
For >10,000 SF, Deduct	-0.41	
07 21 19 00-0004 SF 1-1/2" Thick, R5.7, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation .....	1.89	
For Up To 250 SF, Add	0.68	
For >250 To 500 SF, Add	0.34	
For >500 To 1,000 SF, Add	0.14	
For >5,000 To 10,000 SF, Deduct	-0.22	
For >10,000 SF, Deduct	-0.53	
07 21 19 00-0005 SF 2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	2.39	
For Up To 250 SF, Add	0.84	
For >250 To 500 SF, Add	0.42	
For >500 To 1,000 SF, Add	0.18	
For >5,000 To 10,000 SF, Deduct	-0.27	
For >10,000 SF, Deduct	-0.66	
07 21 19 00-0006 SF 2-1/2" Thick, R9.5, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation .....	2.88	
For Up To 250 SF, Add	0.99	
For >250 To 500 SF, Add	0.50	
For >500 To 1,000 SF, Add	0.21	
For >5,000 To 10,000 SF, Deduct	-0.32	
For >10,000 SF, Deduct	-0.78	
07 21 19 00-0007 SF 3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	3.38	
For Up To 250 SF, Add	1.15	
For >250 To 500 SF, Add	0.58	
For >500 To 1,000 SF, Add	0.25	
For >5,000 To 10,000 SF, Deduct	-0.37	
For >10,000 SF, Deduct	-0.90	
07 21 19 00-0008 SF 3-1/2" Thick, R13.3, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation .....	3.88	
For Up To 250 SF, Add	1.31	
For >250 To 500 SF, Add	0.66	
For >500 To 1,000 SF, Add	0.28	
For >5,000 To 10,000 SF, Deduct	-0.43	
For >10,000 SF, Deduct	-1.03	
07 21 19 00-0009 SF 4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	4.37	
For Up To 250 SF, Add	1.47	
For >250 To 500 SF, Add	0.74	
For >500 To 1,000 SF, Add	0.32	
For >5,000 To 10,000 SF, Deduct	-0.48	
For >10,000 SF, Deduct	-1.15	
07 21 19 00-0010 SF 4-1/2" Thick, R17.1, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation .....	4.87	
For Up To 250 SF, Add	1.63	
For >250 To 500 SF, Add	0.82	
For >500 To 1,000 SF, Add	0.35	
For >5,000 To 10,000 SF, Deduct	-0.53	
For >10,000 SF, Deduct	-1.28	
07 21 19 00-0011 SF 5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	5.36	
For Up To 250 SF, Add	1.79	
For >250 To 500 SF, Add	0.89	
For >500 To 1,000 SF, Add	0.39	
For >5,000 To 10,000 SF, Deduct	-0.58	
For >10,000 SF, Deduct	-1.40	
07 21 19 00-0012 SF 5-1/2" Thick, R20.9, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation .....	5.87	
For Up To 250 SF, Add	1.95	
For >250 To 500 SF, Add	0.98	
For >500 To 1,000 SF, Add	0.42	
For >5,000 To 10,000 SF, Deduct	-0.63	
For >10,000 SF, Deduct	-1.53	
07 21 19 00-0013 SF 6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	6.37	
For Up To 250 SF, Add	2.11	
For >250 To 500 SF, Add	1.06	
For >500 To 1,000 SF, Add	0.46	
For >5,000 To 10,000 SF, Deduct	-0.69	
For >10,000 SF, Deduct	-1.65	
07 21 19 00-0014 SF 1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	2.68	
For Up To 250 SF, Add	0.98	
For >250 To 500 SF, Add	0.49	
For >500 To 1,000 SF, Add	0.21	
For >5,000 To 10,000 SF, Deduct	-0.31	
For >10,000 SF, Deduct	-0.77	
07 21 19 00-0015 SF 1-1/2" Thick, R9.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	3.58	
For Up To 250 SF, Add	1.25	
For >250 To 500 SF, Add	0.63	
For >500 To 1,000 SF, Add	0.27	
For >5,000 To 10,000 SF, Deduct	-0.40	
For >10,000 SF, Deduct	-0.98	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0016	SF		2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	4.37	
			For Up To 250 SF, Add	1.47	
			For >250 To 500 SF, Add	0.74	
			For >500 To 1,000 SF, Add	0.32	
			For >5,000 To 10,000 SF, Deduct	-0.48	
			For >10,000 SF, Deduct	-1.15	
07 21 19 00-0017	SF		2-1/2" Thick, R16.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	5.26	
			For Up To 250 SF, Add	1.74	
			For >250 To 500 SF, Add	0.87	
			For >500 To 1,000 SF, Add	0.38	
			For >5,000 To 10,000 SF, Deduct	-0.57	
			For >10,000 SF, Deduct	-1.36	
07 21 19 00-0018	SF		3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	6.06	
			For Up To 250 SF, Add	1.96	
			For >250 To 500 SF, Add	0.98	
			For >500 To 1,000 SF, Add	0.43	
			For >5,000 To 10,000 SF, Deduct	-0.64	
			For >10,000 SF, Deduct	-1.53	
07 21 19 00-0019	SF		3-1/2" Thick, R22.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	6.96	
			For Up To 250 SF, Add	2.23	
			For >250 To 500 SF, Add	1.11	
			For >500 To 1,000 SF, Add	0.49	
			For >5,000 To 10,000 SF, Deduct	-0.73	
			For >10,000 SF, Deduct	-1.74	
07 21 19 00-0020	SF		4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	7.76	
			For Up To 250 SF, Add	2.45	
			For >250 To 500 SF, Add	1.22	
			For >500 To 1,000 SF, Add	0.54	
			For >5,000 To 10,000 SF, Deduct	-0.81	
			For >10,000 SF, Deduct	-1.91	
07 21 19 00-0021	SF		4-1/2" Thick, R29.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	8.64	
			For Up To 250 SF, Add	2.71	
			For >250 To 500 SF, Add	1.36	
			For >500 To 1,000 SF, Add	0.60	
			For >5,000 To 10,000 SF, Deduct	-0.89	
			For >10,000 SF, Deduct	-2.12	
07 21 19 00-0022	SF		5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	9.44	
			For Up To 250 SF, Add	2.93	
			For >250 To 500 SF, Add	1.47	
			For >500 To 1,000 SF, Add	0.65	
			For >5,000 To 10,000 SF, Deduct	-0.97	
			For >10,000 SF, Deduct	-2.29	
07 21 19 00-0023	SF		5-1/2" Thick, R35.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	10.33	
			For Up To 250 SF, Add	3.20	
			For >250 To 500 SF, Add	1.60	
			For >500 To 1,000 SF, Add	0.71	
			For >5,000 To 10,000 SF, Deduct	-1.06	
			For >10,000 SF, Deduct	-2.49	
07 21 19 00-0024	SF		6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	11.13	
			For Up To 250 SF, Add	3.42	
			For >250 To 500 SF, Add	1.71	
			For >500 To 1,000 SF, Add	0.76	
			For >5,000 To 10,000 SF, Deduct	-1.13	
			For >10,000 SF, Deduct	-2.66	
07 21 19 00-0025			<b>Expanding Foam Insulation To Fill Hollow Metal Door Frames</b> (07 21 19)		
07 21 19 00-0026	LF		Expanding Foam Insulation To Fill 4-3/4" Deep Hollow Metal Door Frame .....	4.57	
07 21 19 00-0027	LF		Expanding Foam Insulation To Fill 5-3/4" Deep Hollow Metal Door Frame .....	5.70	
07 21 19 00-0028	LF		Expanding Foam Insulation To Fill 6-3/4" Deep Hollow Metal Door Frame .....	6.83	
07 21 19 00-0029	LF		Expanding Foam Insulation To Fill 6-3/4" Through 8-3/4" Deep Hollow Metal Door Frame .....	8.02	
07 21 19 00-0030	LF		Expanding Foam Insulation To Fill 8-7/8" Through 13" Deep Hollow Metal Door Frame .....	9.29	
07 21 19 00-0031			<b>Expanding Foam Insulation To Fill Window Frames</b> (07 21 19)		
07 21 19 00-0032	LF		Expanding Foam Insulation To Fill Window Frame .....	4.46	
<b>07 21 23</b>			<b>Loose-Fill Insulation</b> (07 21)		
07 21 23 00-0001			<b>Poured Type, Loose Fill Insulation</b> (07 21 23)		
07 21 23 00-0002	CF		R-4/Inch, Poured Type, Fiberglass Loose Fill Insulation .....	6.28	2.47
07 21 23 00-0003	CF		R-3.8/Inch, Poured Type, Cellulose Loose Fill Insulation .....	6.61	2.47
07 21 23 00-0004			<b>Concrete Block Wall Cavity Insulation</b> (07 21 23)		
07 21 23 00-0005	CF		R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation .....	11.81	2.47
07 21 23 00-0006	CF		R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation .....	11.66	2.47
<b>07 21 26</b>			<b>Blown Insulation</b> (07 21)		
07 21 26 00-0001			<b>Fiberglass Blown-In Insulation</b> (07 21 26)		
07 21 26 00-0002			<b>Attic, Fiberglass Blown-In Insulation</b> (07 21 26 00-0001)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 26 00-0003	SF		4-1/2" Thick, R-11 Attic, Fiberglass Blown In Insulation.....	1.35	1.10
07 21 26 00-0004	SF		5-1/4" Thick, R-13 Attic, Fiberglass Blown In Insulation.....	1.50	1.21
07 21 26 00-0005	SF		6-1/2" Thick, R-17 Attic, Fiberglass Blown In Insulation.....	1.65	1.31
07 21 26 00-0006	SF		7-1/2" Thick, R-19 Attic, Fiberglass Blown In Insulation.....	1.85	1.43
07 21 26 00-0007	SF		8-1/2" Thick, R-22 Attic, Fiberglass Blown In Insulation.....	1.97	1.48
07 21 26 00-0008	SF		10-1/4" Thick, R-26 Attic, Fiberglass Blown In Insulation.....	2.12	1.54
07 21 26 00-0009	SF		11-1/2" Thick, R-30 Attic, Fiberglass Blown In Insulation.....	2.28	1.60
07 21 26 00-0010	SF		12-1/2" Thick, R-32 Attic, Fiberglass Blown In Insulation.....	2.38	1.64
07 21 26 00-0011	SF		13-1/2" Thick, R-35 Attic, Fiberglass Blown In Insulation.....	2.55	1.75
07 21 26 00-0012	SF		14-1/2" Thick, R-38 Attic, Fiberglass Blown In Insulation.....	2.70	1.81
07 21 26 00-0013	SF		16-1/2" Thick, R-44 Attic, Fiberglass Blown In Insulation.....	2.90	1.87
07 21 26 00-0014	SF		18-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation.....	3.14	1.98
07 21 26 00-0015	SF		21-3/4" Thick, R-60 Attic, Fiberglass Blown In Insulation.....	3.63	2.20
<b>07 21 26 00-0016</b>			<b>New Wall, Fiberglass Blown-In Insulation</b> (07 21 26 00-0001)		
07 21 26 00-0017	SF		3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation .....	2.03	1.10
07 21 26 00-0018	SF		5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation .....	2.66	1.31
07 21 26 00-0019	SF		7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation .....	3.14	1.43
07 21 26 00-0020	SF		9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation .....	3.70	1.54
<b>07 21 26 00-0021</b>			<b>Existing Wall, Fiberglass Blown-In Insulation</b> (07 21 26 00-0001)		
			Note: Includes drilling. Excludes patching.		
07 21 26 00-0022	SF		3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation .....	1.84	1.10
07 21 26 00-0023	SF		5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation .....	2.47	1.31
07 21 26 00-0024	SF		7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation .....	2.95	1.43
07 21 26 00-0025	SF		9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation .....	3.51	1.54
<b>07 21 26 00-0026</b>			<b>Cellulose Blown-In Insulation</b> (07 21 26)		
<b>07 21 26 00-0027</b>			<b>Attic, Cellulose Blown-In Insulation</b> (07 21 26 00-0026)		
07 21 26 00-0028	SF		3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation .....	1.40	1.10
07 21 26 00-0029	SF		5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation .....	1.67	1.21
07 21 26 00-0030	SF		6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation .....	1.86	1.31
07 21 26 00-0031	SF		7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation .....	2.16	1.43
07 21 26 00-0032	SF		8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation .....	2.20	1.43
07 21 26 00-0033	SF		10-3/4" Thick, R-38 Attic, Cellulose Blown In Insulation .....	2.55	1.54
07 21 26 00-0034	SF		11-1/4" Thick, R-40 Attic, Cellulose Blown In Insulation .....	2.61	1.54
07 21 26 00-0035	SF		12-1/2" Thick, R-45 Attic, Cellulose Blown In Insulation .....	2.85	1.64
07 21 26 00-0036	SF		13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation .....	3.02	1.64
07 21 26 00-0037	SF		15-1/2" Thick, R-55 Attic, Cellulose Blown In Insulation .....	3.26	1.75
07 21 26 00-0038	SF		16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation .....	3.43	1.75
<b>07 21 26 00-0039</b>			<b>New Wall, Cellulose Blown-In Insulation</b> (07 21 26 00-0026)		
07 21 26 00-0040	SF		3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation .....	1.94	1.10
07 21 26 00-0041	SF		5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation .....	2.52	1.31
07 21 26 00-0042	SF		7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation .....	2.94	1.43
07 21 26 00-0043	SF		9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation .....	3.45	1.54
<b>07 21 26 00-0044</b>			<b>Existing Wall, Cellulose Blown-In Insulation</b> (07 21 26 00-0026)		
			Note: Includes drilling. Excludes patching.		
07 21 26 00-0045	SF		3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation.....	1.75	1.10
07 21 26 00-0046	SF		5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation.....	2.33	1.31
07 21 26 00-0047	SF		7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation.....	2.75	1.43
07 21 26 00-0048	SF		9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation.....	3.26	1.54
<b>07 21 29</b>			<b>Sprayed Insulation</b> (07 21)		
<b>07 21 29 00-0001</b>			<b>Fiber Sprayed On Insulation</b> (07 21 29)		
			Note: Per each 1" of thickness.		
07 21 29 00-0002	SF		1" Thick, R2.7, Spray-on Perlite Insulation .....	3.00	0.66
07 21 29 00-0003	SF		1" Thick, R3.7, Spray-on Fibrous/Cementitious Insulation.....	2.13	0.66
<b>07 21 29 00-0004</b>			<b>Cellulose Sprayed On Insulation</b> (07 21 29)		
07 21 29 00-0005	SF		1" Thick, Spray-on Cellulose Insulation .....	4.68	0.66
<b>07 21 53</b>			<b>Reflective Insulation</b> (07 21)		
<b>07 21 53 00-0001</b>			<b>Reflective Barrier Insulation (Foil - Single Bubble - Foil)</b> (07 21 53)		
07 21 53 00-0002	SF		3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space.....	1.09	

## 07 22 Roof and Deck Insulation (07 20)

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**07 22 16 Roof Board Insulation (07 22)**

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.

07 22 16 00-0001	<b>Rigid Board Roofing Insulation (07 22 16)</b>	
	Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. See CSI section 07 22 16 00-0466 for demolition of insulation board.	
07 22 16 00-0002	<b>Cold Adhesive Applied Rigid Board Roofing Insulation (07 22 16 00-0001)</b>	
07 22 16 00-0003	<b>Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0002)</b>	
07 22 16 00-0004	SF 1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied.....	2.04
07 22 16 00-0005	SF 25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied.....	2.31
07 22 16 00-0006	SF 1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied.....	2.58
07 22 16 00-0007	SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....	3.06
07 22 16 00-0008	SF 2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....	3.55
07 22 16 00-0009	<b>Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0002)</b>	
07 22 16 00-0010	SF 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied.....	2.44
07 22 16 00-0011	SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied.....	2.50
07 22 16 00-0012	<b>Cold Adhesive Applied, Perlite, Roof Board Insulation (07 22 16 00-0002)</b>	
07 22 16 00-0013	SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	1.97
07 22 16 00-0014	SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	1.97
07 22 16 00-0015	SF 3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	2.12
07 22 16 00-0016	SF 1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	2.30
07 22 16 00-0017	SF 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	2.74
07 22 16 00-0018	SF 2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	3.01
07 22 16 00-0019	<b>Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0002)</b>	
07 22 16 00-0020	SF 1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied .....	2.54
07 22 16 00-0021	SF 2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied .....	3.23
07 22 16 00-0022	SF 3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied .....	4.05
07 22 16 00-0023	<b>Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0002)</b>	
07 22 16 00-0024	SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	4.27
07 22 16 00-0025	SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	4.94
07 22 16 00-0026	SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	6.28
07 22 16 00-0027	SF 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	12.02
07 22 16 00-0028	<b>Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0002)</b>	
07 22 16 00-0029	SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	2.15
	<i>For Loose-Laid, Deduct</i>	-1.17
07 22 16 00-0030	SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	2.03
	<i>For Loose-Laid, Deduct</i>	-1.17
07 22 16 00-0031	SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	2.19
	<i>For Loose-Laid, Deduct</i>	-1.17
07 22 16 00-0032	SF 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	2.35
	<i>For Loose-Laid, Deduct</i>	-1.18
07 22 16 00-0033	SF 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	3.01
	<i>For Loose-Laid, Deduct</i>	-1.19
07 22 16 00-0034	SF 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	3.67
	<i>For Loose-Laid, Deduct</i>	-1.20
07 22 16 00-0035	SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	4.34
	<i>For Loose-Laid, Deduct</i>	-1.22
07 22 16 00-0036	SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	4.99
	<i>For Loose-Laid, Deduct</i>	-1.23
07 22 16 00-0037	SF 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	5.66
	<i>For Loose-Laid, Deduct</i>	-1.24
07 22 16 00-0038	<b>Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0002)</b>	
	Note: 15 PSI compressive strength.	
07 22 16 00-0039	SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied .....	2.95
	<i>For Loose-Laid, Deduct</i>	-1.12
	<i>For 25 PSI Compressive Strength, Add</i>	0.32
	<i>For 40 PSI Compressive Strength, Add</i>	0.77
	<i>For 60 PSI Compressive Strength, Add</i>	1.22
	<i>For 115 PSI Compressive Strength, Add</i>	5.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0040 SF 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied.....	2.48	
<i>For Loose-Laid, Deduct</i>	-1.12	
<i>For 25 PSI Compressive Strength, Add</i>	0.25	
<i>For 40 PSI Compressive Strength, Add</i>	0.59	
<i>For 60 PSI Compressive Strength, Add</i>	0.94	
<i>For 115 PSI Compressive Strength, Add</i>	4.05	
07 22 16 00-0041 SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied.....	3.87	
<i>For Loose-Laid, Deduct</i>	-1.12	
<i>For 25 PSI Compressive Strength, Add</i>	0.47	
<i>For 40 PSI Compressive Strength, Add</i>	1.11	
<i>For 60 PSI Compressive Strength, Add</i>	1.75	
<i>For 100 PSI Compressive Strength, Add</i>	2.24	
<i>For 115 PSI Compressive Strength, Add</i>	7.62	
07 22 16 00-0042 SF 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied.....	3.36	
<i>For Loose-Laid, Deduct</i>	-1.13	
<i>For 25 PSI Compressive Strength, Add</i>	0.38	
<i>For 40 PSI Compressive Strength, Add</i>	0.91	
<i>For 60 PSI Compressive Strength, Add</i>	1.44	
<i>For 115 PSI Compressive Strength, Add</i>	6.26	
07 22 16 00-0043 SF 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied.....	5.40	
<i>For Loose-Laid, Deduct</i>	-1.13	
<i>For 25 PSI Compressive Strength, Add</i>	0.71	
<i>For 40 PSI Compressive Strength, Add</i>	1.69	
<i>For 60 PSI Compressive Strength, Add</i>	2.62	
<i>For 100 PSI Compressive Strength, Add</i>	3.38	
<i>For 115 PSI Compressive Strength, Add</i>	11.51	
07 22 16 00-0044 SF 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied.....	4.25	
<i>For Loose-Laid, Deduct</i>	-1.14	
<i>For 25 PSI Compressive Strength, Add</i>	0.52	
<i>For 40 PSI Compressive Strength, Add</i>	1.24	
<i>For 60 PSI Compressive Strength, Add</i>	1.95	
<i>For 115 PSI Compressive Strength, Add</i>	8.50	
07 22 16 00-0045 SF 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied.....	4.72	
<i>For Loose-Laid, Deduct</i>	-1.16	
<i>For 25 PSI Compressive Strength, Add</i>	0.59	
<i>For 40 PSI Compressive Strength, Add</i>	1.41	
<i>For 60 PSI Compressive Strength, Add</i>	2.20	
<i>For 115 PSI Compressive Strength, Add</i>	9.64	
<b>07 22 16 00-0046 Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0002)</b>		
07 22 16 00-0047 SF 3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	2.63	
<i>For Loose-Laid, Deduct</i>	-1.12	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.17	
07 22 16 00-0048 SF 1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	2.74	
<i>For Loose-Laid, Deduct</i>	-1.12	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.18	
07 22 16 00-0049 SF 1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	2.90	
<i>For Loose-Laid, Deduct</i>	-1.13	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.20	
07 22 16 00-0050 SF 2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	3.34	
<i>For Loose-Laid, Deduct</i>	-1.13	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.24	
07 22 16 00-0051 SF 2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	3.77	
<i>For Loose-Laid, Deduct</i>	-1.14	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.28	
07 22 16 00-0052 SF 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	4.21	
<i>For Loose-Laid, Deduct</i>	-1.14	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.32	
07 22 16 00-0053 SF 3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	4.70	
<i>For Loose-Laid, Deduct</i>	-1.15	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.37	
07 22 16 00-0054 SF 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	5.12	
<i>For Loose-Laid, Deduct</i>	-1.16	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.41	
<b>07 22 16 00-0055 Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation (07 22 16 00-0002)</b>		
07 22 16 00-0056 SF 1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied.....	2.97	
<b>07 22 16 00-0057 Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0002)</b>		
07 22 16 00-0058 SF 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied.....	2.80	
07 22 16 00-0059 SF 3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied.....	2.98	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0060	SF		1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied .....	3.11	
07 22 16 00-0061	SF		5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied .....	3.17	
<b>07 22 16 00-0062</b>			<b>Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock)</b> (07 22 16 00-0002)		
07 22 16 00-0063	SF		1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	2.74	
07 22 16 00-0064	SF		1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	3.01	
07 22 16 00-0065	SF		5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	3.08	
<b>07 22 16 00-0066</b>			<b>Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation</b> (07 22 16 00-0002)		
Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.					
07 22 16 00-0067	SF		1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	4.84	
07 22 16 00-0068	SF		2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	5.10	
07 22 16 00-0069	SF		2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	5.43	
07 22 16 00-0070	SF		3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	5.64	
07 22 16 00-0071	SF		3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	6.15	
07 22 16 00-0072	SF		4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	6.37	
07 22 16 00-0073	SF		4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	6.68	
<b>07 22 16 00-0074</b>			<b>Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation</b> (07 22 16 00-0002)		
Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.					
07 22 16 00-0075	SF		2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	4.89	
07 22 16 00-0076	SF		3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	5.34	
07 22 16 00-0077	SF		3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	5.87	
07 22 16 00-0078	SF		4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	6.21	
07 22 16 00-0079	SF		4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	6.66	
07 22 16 00-0080	SF		5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	7.14	
07 22 16 00-0081	SF		5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	7.99	
<b>07 22 16 00-0082</b>			<b>Hot-Mopped Rigid Board Roofing Insulation</b> (07 22 16 00-0001)		
<b>07 22 16 00-0083</b>			<b>Hot-Mopped, High-Density Fiberboard, Roof Board Insulation</b> (07 22 16 00-0082)		
07 22 16 00-0084	SF		1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	1.78	
07 22 16 00-0085	SF		25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	2.05	
07 22 16 00-0086	SF		1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	2.32	
07 22 16 00-0087	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	2.81	
07 22 16 00-0088	SF		2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	3.31	
<b>07 22 16 00-0089</b>			<b>Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation</b> (07 22 16 00-0082)		
07 22 16 00-0090	SF		1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped.....	2.18	
07 22 16 00-0091	SF		1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped.....	2.24	
<b>07 22 16 00-0092</b>			<b>Hot-Mopped, Perlite, Roof Board Insulation</b> (07 22 16 00-0082)		
07 22 16 00-0093	SF		1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped .....	1.69	
07 22 16 00-0094	SF		3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped .....	1.83	
07 22 16 00-0095	SF		1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped .....	2.01	
07 22 16 00-0096	SF		1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped .....	2.45	
07 22 16 00-0097	SF		2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped .....	2.73	
<b>07 22 16 00-0098</b>			<b>Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation</b> (07 22 16 00-0082)		
07 22 16 00-0099	SF		1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	2.25	
07 22 16 00-0100	SF		2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	2.94	
07 22 16 00-0101	SF		3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	3.78	
<b>07 22 16 00-0102</b>			<b>Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation</b> (07 22 16 00-0082)		
07 22 16 00-0103	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped.....	3.98	
07 22 16 00-0104	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped.....	4.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0105 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped .....	6.01	
07 22 16 00-0106 SF 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped .....	11.76	
<b>07 22 16 00-0107 Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0082)</b>		
07 22 16 00-0108 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	1.88	
07 22 16 00-0109 SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	1.75	
07 22 16 00-0110 SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	1.81	
07 22 16 00-0111 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	2.07	
07 22 16 00-0112 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	2.74	
07 22 16 00-0113 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	3.41	
07 22 16 00-0114 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	4.07	
07 22 16 00-0115 SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	4.73	
07 22 16 00-0116 SF 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	5.40	
<b>07 22 16 00-0117 Hot-Mopped, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0082)</b>		
Note: 15 PSI compressive strength.		
07 22 16 00-0118 SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped .....	2.66	
For 25 PSI Compressive Strength, Add	0.26	
For 40 PSI Compressive Strength, Add	0.62	
For 60 PSI Compressive Strength, Add	1.00	
For 115 PSI Compressive Strength, Add	4.32	
07 22 16 00-0119 SF 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped .....	2.19	
For 25 PSI Compressive Strength, Add	0.19	
For 40 PSI Compressive Strength, Add	0.44	
For 60 PSI Compressive Strength, Add	0.72	
For 115 PSI Compressive Strength, Add	3.08	
07 22 16 00-0120 SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped .....	3.59	
For 25 PSI Compressive Strength, Add	0.41	
For 40 PSI Compressive Strength, Add	0.97	
For 60 PSI Compressive Strength, Add	1.54	
For 100 PSI Compressive Strength, Add	1.97	
For 115 PSI Compressive Strength, Add	6.68	
07 22 16 00-0121 SF 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped .....	3.19	
For 25 PSI Compressive Strength, Add	0.32	
For 40 PSI Compressive Strength, Add	0.77	
For 60 PSI Compressive Strength, Add	1.23	
For 115 PSI Compressive Strength, Add	5.31	
07 22 16 00-0122 SF 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped .....	14.63	
For 25 PSI Compressive Strength, Add	0.65	
For 40 PSI Compressive Strength, Add	1.54	
For 60 PSI Compressive Strength, Add	2.88	
For 100 PSI Compressive Strength, Add	3.57	
For 115 PSI Compressive Strength, Add	11.49	
07 22 16 00-0123 SF 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped .....	3.98	
For 25 PSI Compressive Strength, Add	0.46	
For 40 PSI Compressive Strength, Add	1.10	
For 60 PSI Compressive Strength, Add	1.73	
For 115 PSI Compressive Strength, Add	7.54	
07 22 16 00-0124 SF 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped .....	4.45	
For 25 PSI Compressive Strength, Add	0.53	
For 40 PSI Compressive Strength, Add	1.27	
For 60 PSI Compressive Strength, Add	1.99	
For 115 PSI Compressive Strength, Add	8.67	
<b>07 22 16 00-0125 Hot-Mopped, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0082)</b>		
07 22 16 00-0126 SF 3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	2.34	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.13	
07 22 16 00-0127 SF 1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	2.45	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.14	
07 22 16 00-0128 SF 1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	2.61	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.16	
07 22 16 00-0129 SF 2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	3.05	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.20	
07 22 16 00-0130 SF 2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	3.51	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.24	
07 22 16 00-0131 SF 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	3.94	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.29	
07 22 16 00-0132 SF 3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	4.32	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.33	
07 22 16 00-0133 SF 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	4.85	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.37	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0134			<b>Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock)</b> (07 22 16 00-0082)		
07 22 16 00-0135	SF		1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.55	
07 22 16 00-0136	SF		3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.73	
07 22 16 00-0137	SF		1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.85	
07 22 16 00-0138	SF		5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.91	
07 22 16 00-0139			<b>Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock)</b> (07 22 16 00-0082)		
07 22 16 00-0140	SF		1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped.....	2.48	
07 22 16 00-0141	SF		1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped.....	2.76	
07 22 16 00-0142	SF		5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped.....	2.82	
07 22 16 00-0143			<b>Mechanically Fastened Rigid Board Roofing Insulation</b> (07 22 16 00-0001)		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0144			<b>Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation</b> (07 22 16 00-0143)		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0145	SF		1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	1.70	
			For Mechanically Fastened To Concrete, Add	1.32	
			For Mechanically Fastened To Gypsum, Add	1.66	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.53	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.99	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.99	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.78	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.80	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.97	
07 22 16 00-0146	SF		25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	1.97	
			For Mechanically Fastened To Concrete, Add	1.32	
			For Mechanically Fastened To Gypsum, Add	1.66	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.53	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.01	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.99	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.78	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.82	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.97	
07 22 16 00-0147	SF		1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	2.24	
			For Mechanically Fastened To Concrete, Add	1.32	
			For Mechanically Fastened To Gypsum, Add	1.66	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.53	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.03	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.99	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.78	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.84	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.97	
07 22 16 00-0148	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	2.78	
			For Mechanically Fastened To Concrete, Add	1.36	
			For Mechanically Fastened To Gypsum, Add	1.66	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.65	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.75	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.99	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.97	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.61	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.97	
07 22 16 00-0149	SF		2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	3.26	
			For Mechanically Fastened To Concrete, Add	1.36	
			For Mechanically Fastened To Gypsum, Add	1.62	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.65	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.75	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.01	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.97	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.61	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.00	
07 22 16 00-0150			<b>Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation</b> (07 22 16 00-0143)		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0151	SF		1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened.....	2.10	
			For Mechanically Fastened To Concrete, Add	1.32	
			For Mechanically Fastened To Gypsum, Add	1.66	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.53	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.03	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.99	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.78	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.84	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.97	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0152 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened.....	2.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.03	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.84	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
<b>07 22 16 00-0153 Mechanically Fastened, Perlite, Roof Board Insulation (07 22 16 00-0143)</b>		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0154 SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened.....	1.63	
<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.95	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 22 16 00-0155 SF 3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened.....	1.78	
<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.95	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 22 16 00-0156 SF 1" Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened.....	1.96	
<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.95	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 22 16 00-0157 SF 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened.....	2.45	
<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.61	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 22 16 00-0158 SF 2" Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened.....	2.73	
<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.01	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.61	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.00	
<b>07 22 16 00-0159 Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0143)</b>		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0160 SF 1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	2.20	
<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.95	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 22 16 00-0161 SF 2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	2.95	
<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.01	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.61	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.00	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0162	SF		3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	3.83	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.40	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.68	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.17	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.16	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.08	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.19	
07 22 16 00-0163			<b>Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation</b> <small>(07 22 16 00-0143)</small>		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0164	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	3.99	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.61	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 22 16 00-0165	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	4.66	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.01	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.61	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.00	
07 22 16 00-0166	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	6.06	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.40	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.68	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.17	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.16	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.08	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.19	
07 22 16 00-0167	SF		3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	11.90	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.43	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.98	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.51	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.31	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.60	
07 22 16 00-0168			<b>Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation</b> <small>(07 22 16 00-0143)</small>		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0169	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.81	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.98	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.79	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 22 16 00-0170	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.69	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.98	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.79	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 22 16 00-0171	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.84	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.98	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.79	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0172 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.01	
For Mechanically Fastened To Concrete, Add	1.32	
For Mechanically Fastened To Gypsum, Add	1.66	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.53	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.99	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.99	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.78	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.80	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.97	
07 22 16 00-0173 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.73	
For Mechanically Fastened To Concrete, Add	1.36	
For Mechanically Fastened To Gypsum, Add	1.62	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.65	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.75	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.01	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.97	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.61	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.00	
07 22 16 00-0174 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	3.45	
For Mechanically Fastened To Concrete, Add	1.40	
For Mechanically Fastened To Gypsum, Add	1.68	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.74	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.21	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.16	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.11	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.12	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.19	
07 22 16 00-0175 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	4.22	
For Mechanically Fastened To Concrete, Add	1.43	
For Mechanically Fastened To Gypsum, Add	1.69	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.87	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.98	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.23	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.31	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.97	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.36	
07 22 16 00-0176 SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	4.99	
For Mechanically Fastened To Concrete, Add	1.47	
For Mechanically Fastened To Gypsum, Add	1.67	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.03	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.14	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.72	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.55	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.22	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.90	
07 22 16 00-0177 SF 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	6.32	
For Mechanically Fastened To Concrete, Add	1.51	
For Mechanically Fastened To Gypsum, Add	1.36	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.56	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.68	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.91	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.02	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.16	
<b>07 22 16 00-0178 Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation</b> (07 22 16 00-0143)		
Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.		
07 22 16 00-0179 SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	2.61	
For 25 PSI Compressive Strength, Add	0.27	
For 40 PSI Compressive Strength, Add	0.64	
For 60 PSI Compressive Strength, Add	1.02	
For 115 PSI Compressive Strength, Add	4.41	
For Mechanically Fastened To Concrete, Add	1.32	
For Mechanically Fastened To Gypsum, Add	1.66	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.53	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.95	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.99	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.78	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.76	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.97	
07 22 16 00-0180 SF 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	2.14	
For 25 PSI Compressive Strength, Add	0.19	
For 40 PSI Compressive Strength, Add	0.46	
For 60 PSI Compressive Strength, Add	0.74	
For 115 PSI Compressive Strength, Add	3.18	
For Mechanically Fastened To Concrete, Add	1.32	
For Mechanically Fastened To Gypsum, Add	1.66	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.53	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.95	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.99	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.78	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.76	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.97	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

07 22 16 00-0181	SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.59	
	<i>For 25 PSI Compressive Strength, Add</i>	0.42	
	<i>For 40 PSI Compressive Strength, Add</i>	1.01	
	<i>For 60 PSI Compressive Strength, Add</i>	1.58	
	<i>For 100 PSI Compressive Strength, Add</i>	2.03	
	<i>For 115 PSI Compressive Strength, Add</i>	6.90	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.61	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 22 16 00-0182	SF 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.08	
	<i>For 25 PSI Compressive Strength, Add</i>	0.34	
	<i>For 40 PSI Compressive Strength, Add</i>	0.81	
	<i>For 60 PSI Compressive Strength, Add</i>	1.28	
	<i>For 115 PSI Compressive Strength, Add</i>	5.54	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.01	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.61	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.00	
07 22 16 00-0183	SF 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	5.18	
	<i>For 25 PSI Compressive Strength, Add</i>	0.68	
	<i>For 40 PSI Compressive Strength, Add</i>	1.60	
	<i>For 60 PSI Compressive Strength, Add</i>	2.50	
	<i>For 100 PSI Compressive Strength, Add</i>	3.21	
	<i>For 115 PSI Compressive Strength, Add</i>	10.94	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.40	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.65	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.17	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.10	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.08	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.13	
07 22 16 00-0184	SF 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	4.03	
	<i>For 25 PSI Compressive Strength, Add</i>	0.49	
	<i>For 40 PSI Compressive Strength, Add</i>	1.16	
	<i>For 60 PSI Compressive Strength, Add</i>	1.82	
	<i>For 115 PSI Compressive Strength, Add</i>	7.94	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.40	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.68	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.17	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.16	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.08	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.19	
07 22 16 00-0185	SF 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	4.60	
	<i>For 25 PSI Compressive Strength, Add</i>	0.57	
	<i>For 40 PSI Compressive Strength, Add</i>	1.36	
	<i>For 60 PSI Compressive Strength, Add</i>	2.13	
	<i>For 115 PSI Compressive Strength, Add</i>	9.33	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.43	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.69	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.98	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.23	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.31	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.36	

**07 22 16 00-0186 Mechanically Fastened, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0143)**

Note: Mechanically fastened to wood or steel.

07 22 16 00-0187	SF 3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	2.29	
	<i>For Foil Facer, Add</i>	0.36	
	<i>For 25 PSI Compressive Strength, Add</i>	0.14	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.95	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0188 SF 1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	2.40	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.15	
<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.95	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 22 16 00-0189 SF 1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	2.62	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.61	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 22 16 00-0190 SF 2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	3.05	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.21	
<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.01	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.61	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.00	
07 22 16 00-0191 SF 2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	3.55	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.26	
<i>For Mechanically Fastened To Concrete, Add</i>	1.40	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.65	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.17	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.10	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.08	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.13	
07 22 16 00-0192 SF 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	3.99	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.30	
<i>For Mechanically Fastened To Concrete, Add</i>	1.40	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.68	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.17	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.16	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.08	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.19	
07 22 16 00-0193 SF 3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	4.58	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.36	
<i>For Mechanically Fastened To Concrete, Add</i>	1.43	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.98	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.52	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.31	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.61	
07 22 16 00-0194 SF 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	4.99	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.40	
<i>For Mechanically Fastened To Concrete, Add</i>	1.43	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.69	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.98	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.23	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.31	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.36	

07 22 16 00-0195 Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation (07 22 16 00-0143)  
 Note: Mechanically fastened to wood or steel.

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 22 16 00-0196	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened .....	2.63
		<i>For Mechanically Fastened To Concrete, Add</i>	1.32
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.66
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.80
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97

**07 22 16 00-0197 Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock)**

(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0198	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	2.46
		<i>For Mechanically Fastened To Concrete, Add</i>	1.32
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.66
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.80
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97
07 22 16 00-0199	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	2.64
		<i>For Mechanically Fastened To Concrete, Add</i>	1.32
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.66
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.80
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97
07 22 16 00-0200	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	2.76
		<i>For Mechanically Fastened To Concrete, Add</i>	1.32
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.66
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.80
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97
07 22 16 00-0201	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	2.83
		<i>For Mechanically Fastened To Concrete, Add</i>	1.32
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.66
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.80
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97

**07 22 16 00-0202 Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock)**

(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0203	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	2.40
		<i>For Mechanically Fastened To Concrete, Add</i>	1.32
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.66
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.80
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97
07 22 16 00-0204	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	2.67
		<i>For Mechanically Fastened To Concrete, Add</i>	1.32
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.66
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.80
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97
07 22 16 00-0205	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	2.73
		<i>For Mechanically Fastened To Concrete, Add</i>	1.32
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.66
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.80
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0206	<b>Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation</b> (07 22 16 00-0143)	
Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.		
07 22 16 00-0207 SF 1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.55	
<i>For Mechanically Fastened To Concrete, Add</i> 1.36		
<i>For Mechanically Fastened To Gypsum, Add</i> 1.66		
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> 0.65		
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> 1.75		
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> 2.01		
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> 0.97		
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> 2.61		
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> 3.00		
07 22 16 00-0208 SF 2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.81	
<i>For Mechanically Fastened To Concrete, Add</i> 1.36		
<i>For Mechanically Fastened To Gypsum, Add</i> 1.62		
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> 0.65		
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> 1.75		
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> 2.01		
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> 0.97		
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> 2.61		
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> 3.00		
07 22 16 00-0209 SF 2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.21	
<i>For Mechanically Fastened To Concrete, Add</i> 1.40		
<i>For Mechanically Fastened To Gypsum, Add</i> 1.65		
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> 0.74		
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> 2.32		
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> 2.10		
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> 1.11		
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> 3.23		
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> 3.13		
07 22 16 00-0210 SF 3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.42	
<i>For Mechanically Fastened To Concrete, Add</i> 1.40		
<i>For Mechanically Fastened To Gypsum, Add</i> 1.68		
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> 0.74		
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> 2.33		
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> 2.16		
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> 1.11		
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> 3.24		
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> 3.19		
07 22 16 00-0211 SF 3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.03	
<i>For Mechanically Fastened To Concrete, Add</i> 1.43		
<i>For Mechanically Fastened To Gypsum, Add</i> 1.64		
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> 0.87		
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> 1.98		
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> 2.68		
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> 1.31		
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> 2.97		
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> 3.77		
07 22 16 00-0212 SF 4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.25	
<i>For Mechanically Fastened To Concrete, Add</i> 1.43		
<i>For Mechanically Fastened To Gypsum, Add</i> 1.69		
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> 0.87		
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> 1.98		
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> 2.23		
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> 1.31		
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> 2.97		
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> 3.36		
07 22 16 00-0213 SF 4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.69	
<i>For Mechanically Fastened To Concrete, Add</i> 1.47		
<i>For Mechanically Fastened To Gypsum, Add</i> 1.67		
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> 1.03		
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> 2.14		
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> 2.87		
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> 1.55		
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> 3.22		
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> 4.05		
07 22 16 00-0214	<b>Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation</b> (07 22 16 00-0143)	
Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.		

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0215	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.66
		<i>For Mechanically Fastened To Concrete, Add</i>	1.40
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.65
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.31
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.10
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.22
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.13
07 22 16 00-0216	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.12
		<i>For Mechanically Fastened To Concrete, Add</i>	1.40
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.68
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.32
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.16
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.23
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.19
07 22 16 00-0217	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.75
		<i>For Mechanically Fastened To Concrete, Add</i>	1.43
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.98
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.66
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.31
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.75
07 22 16 00-0218	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.09
		<i>For Mechanically Fastened To Concrete, Add</i>	1.43
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.69
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.98
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.23
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.31
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.36
07 22 16 00-0219	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.66
		<i>For Mechanically Fastened To Concrete, Add</i>	1.47
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.67
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.03
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.14
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.83
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.55
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.22
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.01
07 22 16 00-0220	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	7.14
		<i>For Mechanically Fastened To Concrete, Add</i>	1.47
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.67
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.03
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.14
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.83
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.55
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.22
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.01
07 22 16 00-0221	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	8.49
		<i>For Mechanically Fastened To Concrete, Add</i>	1.51
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.36
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.56
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.68
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.05
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.35
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.02
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.30
07 22 16 00-0222		<b>Rigid Board Tapered Roofing Insulation</b> <small>(07 22 16)</small> Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board. See CSI section 07 22 16 00-0466 for demolition of insulation board.	
07 22 16 00-0223		<b>Cold Adhesive Applied Rigid Board Tapered Roofing Insulation</b> <small>(07 22 16 00-0222)</small>	
07 22 16 00-0224		<b>Cold Adhesive Applied, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0223)</small> Note: Includes polyurethane adhesive.	
07 22 16 00-0225		<b>Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0224)</small>	
07 22 16 00-0226	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	4.70
		<i>For 25 PSI Compressive Strength, Add</i>	0.33





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0227 SF 2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	6.41	
<i>For 25 PSI Compressive Strength, Add</i> .....	0.39	
07 22 16 00-0228 SF 3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	6.99	
<i>For 25 PSI Compressive Strength, Add</i> .....	0.45	
07 22 16 00-0229 SF 3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	7.57	
<i>For 25 PSI Compressive Strength, Add</i> .....	0.50	
07 22 16 00-0230 SF 4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	8.16	
<i>For 25 PSI Compressive Strength, Add</i> .....	0.56	
07 22 16 00-0231 SF 4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	9.88	
<i>For 25 PSI Compressive Strength, Add</i> .....	0.62	
07 22 16 00-0232 SF 5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	10.46	
<i>For 25 PSI Compressive Strength, Add</i> .....	0.68	
07 22 16 00-0233 SF 5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	11.05	
<i>For 25 PSI Compressive Strength, Add</i> .....	0.74	
07 22 16 00-0234 SF 6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	11.63	
<i>For 25 PSI Compressive Strength, Add</i> .....	0.80	
07 22 16 00-0235 SF 6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	13.34	
<i>For 25 PSI Compressive Strength, Add</i> .....	0.86	
<b>07 22 16 00-0236 Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0224)</small>		
07 22 16 00-0237 SF 2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	4.40	
<i>For 25 PSI Compressive Strength, Add</i> .....	0.30	
07 22 16 00-0238 SF 3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	6.70	
<i>For 25 PSI Compressive Strength, Add</i> .....	0.42	
07 22 16 00-0239 SF 4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	7.86	
<i>For 25 PSI Compressive Strength, Add</i> .....	0.53	
07 22 16 00-0240 SF 5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	10.17	
<i>For 25 PSI Compressive Strength, Add</i> .....	0.65	
07 22 16 00-0241 SF 6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	11.34	
<i>For 25 PSI Compressive Strength, Add</i> .....	0.77	
07 22 16 00-0242 SF 7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	13.63	
<i>For 25 PSI Compressive Strength, Add</i> .....	0.88	
<b>07 22 16 00-0243 Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0224)</small>		
07 22 16 00-0244 SF 3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	7.28	
<i>For 25 PSI Compressive Strength, Add</i> .....	0.47	
07 22 16 00-0245 SF 5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	10.76	
<i>For 25 PSI Compressive Strength, Add</i> .....	0.71	
07 22 16 00-0246 SF 7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	14.22	
<i>For 25 PSI Compressive Strength, Add</i> .....	0.94	
07 22 16 00-0247 SF 9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	17.70	
<i>For 25 PSI Compressive Strength, Add</i> .....	1.18	
<b>07 22 16 00-0248 Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS)</b> <small>(07 22 16 00-0223)</small>		
Note: Includes polyurethane adhesive.		
<b>07 22 16 00-0249 Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)</b> <small>(07 22 16 00-0248)</small>		
07 22 16 00-0250 SF 2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied .....	4.04	
07 22 16 00-0251 SF 2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied .....	5.77	
07 22 16 00-0252 SF 3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied .....	6.20	
07 22 16 00-0253 SF 3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied .....	6.64	
07 22 16 00-0254 SF 4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied .....	7.07	
07 22 16 00-0255 SF 4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied .....	8.81	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0256 SF 5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	9.24	
07 22 16 00-0257 SF 5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	9.68	
07 22 16 00-0258 SF 6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.11	
07 22 16 00-0259 SF 6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	11.84	
<b>07 22 16 00-0260 Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)</b> (07 22 16 00-0248)		
07 22 16 00-0261 SF 2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	3.82	
07 22 16 00-0262 SF 3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	5.98	
07 22 16 00-0263 SF 4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.86	
07 22 16 00-0264 SF 5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	9.02	
07 22 16 00-0265 SF 6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	9.90	
07 22 16 00-0266 SF 7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	12.06	
<b>07 22 16 00-0267 Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)</b> (07 22 16 00-0248)		
07 22 16 00-0268 SF 3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.42	
07 22 16 00-0269 SF 5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	9.46	
07 22 16 00-0270 SF 7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	12.49	
07 22 16 00-0271 SF 9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	15.98	
<b>07 22 16 00-0272 Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS)</b> (07 22 16 00-0223)		
Note: Includes polyurethane adhesive.		
<b>07 22 16 00-0273 Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> (07 22 16 00-0272)		
07 22 16 00-0274 SF 2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	4.56	
07 22 16 00-0275 SF 2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	6.28	
07 22 16 00-0276 SF 3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	6.84	
07 22 16 00-0277 SF 3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.39	
07 22 16 00-0278 SF 4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.94	
07 22 16 00-0279 SF 4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	9.67	
07 22 16 00-0280 SF 5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	10.22	
07 22 16 00-0281 SF 5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	10.77	
07 22 16 00-0282 SF 6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	11.32	
07 22 16 00-0283 SF 6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	13.04	
<b>07 22 16 00-0284 Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> (07 22 16 00-0272)		
07 22 16 00-0285 SF 2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	4.29	
07 22 16 00-0286 SF 3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	6.56	
07 22 16 00-0287 SF 4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.66	
07 22 16 00-0288 SF 5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	9.94	
07 22 16 00-0289 SF 6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	11.05	
07 22 16 00-0290 SF 7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	13.32	



**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0338	SF		6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	10.68	
			<i>For 25 PSI Compressive Strength, Add</i>	0.66	
07 22 16 00-0339	SF		7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	12.76	
			<i>For 25 PSI Compressive Strength, Add</i>	0.75	
<b>07 22 16 00-0340</b>			<b>Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board</b> (07 22 16 00-0321)		
07 22 16 00-0341	SF		3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	6.84	
			<i>For 25 PSI Compressive Strength, Add</i>	0.40	
07 22 16 00-0342	SF		5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	10.10	
			<i>For 25 PSI Compressive Strength, Add</i>	0.61	
07 22 16 00-0343	SF		7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	13.34	
			<i>For 25 PSI Compressive Strength, Add</i>	0.81	
07 22 16 00-0344	SF		9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	16.60	
			<i>For 25 PSI Compressive Strength, Add</i>	1.01	
<b>07 22 16 00-0345</b>			<b>Hot-Mopped, Tapered Perlite Board</b> (07 22 16 00-0320)		
<b>07 22 16 00-0346</b>			<b>Hot-Mopped, 1/8" Slope, Tapered Perlite Board</b> (07 22 16 00-0345)		
07 22 16 00-0347	SF		2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	4.60	
07 22 16 00-0348	SF		2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	6.01	
07 22 16 00-0349	SF		3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	6.83	
07 22 16 00-0350	SF		3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	6.70	
07 22 16 00-0351	SF		4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	7.52	
07 22 16 00-0352	SF		4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	8.92	
07 22 16 00-0353	SF		5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	9.75	
07 22 16 00-0354	SF		5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	9.61	
07 22 16 00-0355	SF		6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	10.44	
07 22 16 00-0356	SF		6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	11.84	
<b>07 22 16 00-0357</b>			<b>Hot-Mopped, 1/4" Slope, Tapered Perlite Board</b> (07 22 16 00-0345)		
07 22 16 00-0358	SF		2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	4.18	
07 22 16 00-0359	SF		3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	6.42	
07 22 16 00-0360	SF		4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	7.11	
07 22 16 00-0361	SF		5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	9.33	
07 22 16 00-0362	SF		6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	10.03	
07 22 16 00-0363	SF		7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	12.25	
<b>07 22 16 00-0364</b>			<b>Hot-Mopped, 1/2" Slope, Tapered Perlite Board</b> (07 22 16 00-0345)		
07 22 16 00-0365	SF		3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	7.24	
07 22 16 00-0366	SF		5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	10.16	
07 22 16 00-0367	SF		7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	60.56	
07 22 16 00-0368	SF		9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	15.99	
<b>07 22 16 00-0369</b>			<b>Mechanically Fastened Tapered Roofing Insulation</b> (07 22 16 00-0222)		
			Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.		
<b>07 22 16 00-0370</b>			<b>Mechanically Fastened, Tapered Polyisocyanurate Board</b> (07 22 16 00-0369)		
			Note: Mechanically fastened to wood or steel.		
<b>07 22 16 00-0371</b>			<b>Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board</b> (07 22 16 00-0370)		
07 22 16 00-0372	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	4.41	
			<i>For 25 PSI Compressive Strength, Add</i>	0.30	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.60	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.61	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 22 16 00-0373	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.57	
			<i>For 25 PSI Compressive Strength, Add</i>	0.30	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.40	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.65	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.85	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.10	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0374 SF 3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.15	
<i>For 25 PSI Compressive Strength, Add</i>	0.36	
<i>For Mechanically Fastened To Concrete, Add</i>	1.40	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.68	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.85	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.13	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.19	
07 22 16 00-0375 SF 3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.83	
<i>For 25 PSI Compressive Strength, Add</i>	0.43	
<i>For Mechanically Fastened To Concrete, Add</i>	1.43	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.98	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.31	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0376 SF 4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.41	
<i>For 25 PSI Compressive Strength, Add</i>	0.49	
<i>For Mechanically Fastened To Concrete, Add</i>	1.43	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.98	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.23	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.31	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.36	
07 22 16 00-0377 SF 4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	8.64	
<i>For 25 PSI Compressive Strength, Add</i>	0.50	
<i>For Mechanically Fastened To Concrete, Add</i>	1.47	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.03	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.14	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.34	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.55	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.22	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.52	
07 22 16 00-0378 SF 5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	9.22	
<i>For 25 PSI Compressive Strength, Add</i>	0.56	
<i>For Mechanically Fastened To Concrete, Add</i>	1.47	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.03	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.14	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.34	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.55	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.22	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.52	
07 22 16 00-0379 SF 5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	10.30	
<i>For 25 PSI Compressive Strength, Add</i>	0.66	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.36	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.56	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.68	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.52	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.35	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.02	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.77	
07 22 16 00-0380 SF 6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	10.88	
<i>For 25 PSI Compressive Strength, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.36	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.56	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.68	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.52	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.35	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.02	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.77	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0381	SF		6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	11.85	
			<i>For 25 PSI Compressive Strength, Add</i>	0.71	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.72	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.16	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.83	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.15	
07 22 16 00-0382			<b>Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0370)</small>		
07 22 16 00-0383	SF		2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	4.12	
			<i>For 25 PSI Compressive Strength, Add</i>	0.27	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.60	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.61	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 22 16 00-0384	SF		3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.86	
			<i>For 25 PSI Compressive Strength, Add</i>	0.33	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.40	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.65	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.85	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.10	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.13	
07 22 16 00-0385	SF		4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.12	
			<i>For 25 PSI Compressive Strength, Add</i>	0.46	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.43	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.98	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.19	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.31	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0386	SF		5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	8.93	
			<i>For 25 PSI Compressive Strength, Add</i>	0.53	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.47	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.03	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.14	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.34	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.55	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.22	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.52	
07 22 16 00-0387	SF		6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	10.59	
			<i>For 25 PSI Compressive Strength, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.36	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.56	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.68	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.52	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.35	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.02	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.77	
07 22 16 00-0388	SF		7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	12.14	
			<i>For 25 PSI Compressive Strength, Add</i>	0.74	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.72	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.16	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.83	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.15	
07 22 16 00-0389			<b>Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0370)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0390 SF 3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.44	
For 25 PSI Compressive Strength, Add	0.39	
For Mechanically Fastened To Concrete, Add	1.40	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.68	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.74	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.85	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.13	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.11	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.76	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.19	
07 22 16 00-0391 SF 5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	9.26	
For 25 PSI Compressive Strength, Add	0.56	
For Mechanically Fastened To Concrete, Add	1.47	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.67	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.03	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.14	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.34	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.55	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.22	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.52	
07 22 16 00-0392 SF 7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	12.73	
For 25 PSI Compressive Strength, Add	0.79	
For Mechanically Fastened To Concrete, Add	1.51	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.72	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.44	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.77	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.16	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.83	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.15	
07 22 16 00-0393 SF 9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	16.11	
For 25 PSI Compressive Strength, Add	1.02	
For Mechanically Fastened To Concrete, Add	1.69	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.99	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.26	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.99	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.91	
07 22 16 00-0394 Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0389)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0395 Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0394)		
07 22 16 00-0396 SF 2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	3.76	
For Mechanically Fastened To Concrete, Add	1.36	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.60	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.65	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.75	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	1.99	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.97	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.61	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	2.97	
07 22 16 00-0397 SF 2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.92	
For Mechanically Fastened To Concrete, Add	1.40	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.65	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.74	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.85	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.10	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.11	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.76	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.13	
07 22 16 00-0398 SF 3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.36	
For Mechanically Fastened To Concrete, Add	1.40	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.68	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.74	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.85	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.13	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.11	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.76	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.19	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0399	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.90
		<i>For Mechanically Fastened To Concrete, Add</i>	1.43
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.98
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.19
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.31
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.28
07 22 16 00-0400	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.33
		<i>For Mechanically Fastened To Concrete, Add</i>	1.43
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.98
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.23
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.31
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.36
07 22 16 00-0401	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	7.56
		<i>For Mechanically Fastened To Concrete, Add</i>	1.47
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.03
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.14
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.34
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.55
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.22
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.52
07 22 16 00-0402	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	8.00
		<i>For Mechanically Fastened To Concrete, Add</i>	1.47
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.03
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.14
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.34
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.55
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.22
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.52
07 22 16 00-0403	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	8.94
		<i>For Mechanically Fastened To Concrete, Add</i>	1.51
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.36
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.56
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.68
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.52
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.35
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.02
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.77
07 22 16 00-0404	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	9.37
		<i>For Mechanically Fastened To Concrete, Add</i>	1.51
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.36
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.56
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.68
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.52
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.35
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.02
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.77
07 22 16 00-0405	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.35
		<i>For Mechanically Fastened To Concrete, Add</i>	1.51
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.72
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.44
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.56
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.77
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.16
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.83
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.15
07 22 16 00-0406		<b>Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)</b> <small>(07 22 16 00-0394)</small>	
07 22 16 00-0407	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	3.54
		<i>For Mechanically Fastened To Concrete, Add</i>	1.36
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.60
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.61
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0408 SF 3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.14	
For Mechanically Fastened To Concrete, Add	1.40	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.65	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.74	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.85	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.10	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.11	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.76	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.13	
07 22 16 00-0409 SF 4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.11	
For Mechanically Fastened To Concrete, Add	1.43	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.64	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.87	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.98	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.19	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.31	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.97	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.28	
07 22 16 00-0410 SF 5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	7.78	
For Mechanically Fastened To Concrete, Add	1.47	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.67	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.03	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.14	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.34	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.55	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.22	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.52	
07 22 16 00-0411 SF 6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	9.15	
For Mechanically Fastened To Concrete, Add	1.51	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.36	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.56	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.68	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.52	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.02	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.77	
07 22 16 00-0412 SF 7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.57	
For Mechanically Fastened To Concrete, Add	1.51	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.72	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.44	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.77	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.16	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.83	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.15	
<b>07 22 16 00-0413 Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)</b> (07 22 16 00-0394)		
07 22 16 00-0414 SF 3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.58	
For Mechanically Fastened To Concrete, Add	1.40	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.68	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.74	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.85	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.13	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.11	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.76	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.19	
07 22 16 00-0415 SF 5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	8.22	
For Mechanically Fastened To Concrete, Add	1.47	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.67	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.03	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.14	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.34	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.55	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.22	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.52	
07 22 16 00-0416 SF 7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	11.01	
For Mechanically Fastened To Concrete, Add	1.51	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.72	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.44	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.77	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.16	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.83	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.15	

## 07 Thermal And Moisture Protection

## 07 20 Thermal Protection

## 07 22 Roof and Deck Insulation

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0417	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened .....	14.39
		<i>For Mechanically Fastened To Concrete, Add</i>	1.69
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.26
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.99
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.91
07 22 16 00-0418		<b>Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS)</b> (07 22 16 00-0369)	
		Note: Mechanically fastened to wood or steel.	
07 22 16 00-0419		<b>Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> (07 22 16 00-0418)	
07 22 16 00-0420	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened .....	4.28
		<i>For Mechanically Fastened To Concrete, Add</i>	1.36
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.60
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.61
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97
07 22 16 00-0421	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened .....	5.44
		<i>For Mechanically Fastened To Concrete, Add</i>	1.40
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.65
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.85
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.10
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.13
07 22 16 00-0422	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened .....	7.28
		<i>For Mechanically Fastened To Concrete, Add</i>	1.40
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.68
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.85
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.13
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.19
07 22 16 00-0423	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened .....	6.64
		<i>For Mechanically Fastened To Concrete, Add</i>	1.43
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.98
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.19
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.31
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.28
07 22 16 00-0424	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened .....	7.20
		<i>For Mechanically Fastened To Concrete, Add</i>	1.43
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.98
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.23
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.31
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.36
07 22 16 00-0425	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened .....	8.42
		<i>For Mechanically Fastened To Concrete, Add</i>	1.47
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.03
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.14
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.34
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.55
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.22
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.52
07 22 16 00-0426	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened .....	8.98
		<i>For Mechanically Fastened To Concrete, Add</i>	1.47
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.03
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.14
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.34
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.55
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.22
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0427 SF 5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	10.03	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.36	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.56	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.68	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.52	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.35	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.02	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.77	
07 22 16 00-0428 SF 6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	10.58	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.36	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.56	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.68	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.52	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.35	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.02	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.77	
07 22 16 00-0429 SF 6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	11.55	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.72	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.44	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.77	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.16	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.83	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.15	
<b>07 22 16 00-0430 Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0418)</small></b>		
07 22 16 00-0431 SF 2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	4.01	
<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.60	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.61	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 22 16 00-0432 SF 3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	5.71	
<i>For Mechanically Fastened To Concrete, Add</i>	1.40	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.65	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.85	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.10	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.13	
07 22 16 00-0433 SF 4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.92	
<i>For Mechanically Fastened To Concrete, Add</i>	1.43	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.98	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.31	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0434 SF 5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.70	
<i>For Mechanically Fastened To Concrete, Add</i>	1.47	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.03	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.14	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.34	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.55	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.22	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.52	
07 22 16 00-0435 SF 6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	10.31	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.36	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.56	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.68	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.52	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.35	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.02	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.77	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0436	SF		7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	11.83	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.72	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.16	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.83	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.15	
<b>07 22 16 00-0437</b>			<b>Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)</b>		
07 22 16 00-0438	SF		3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.27	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.40	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.68	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.85	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.13	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.19	
07 22 16 00-0439	SF		5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	9.25	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.47	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.03	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.14	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.34	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.55	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.22	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.52	
07 22 16 00-0440	SF		7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	12.38	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.72	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.16	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.83	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.15	
07 22 16 00-0441	SF		9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	15.51	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.69	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.26	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.99	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.91	
<b>07 22 16 00-0442</b>			<b>Mechanically Fastened, Tapered Perlite Board (07 22 16 00-0369)</b>		
			Note: Mechanically fastened to wood or steel.		
<b>07 22 16 00-0443</b>			<b>Mechanically Fastened, 1/8" Slope, Tapered Perlite Board (07 22 16 00-0442)</b>		
07 22 16 00-0444	SF		2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	4.55	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.60	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.65	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.75	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.97	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.61	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 22 16 00-0445	SF		2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	5.61	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.40	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.65	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.85	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.10	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.13	
07 22 16 00-0446	SF		3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.43	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.40	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.68	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.74	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.85	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.13	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.11	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0447 SF 3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.40	
For Mechanically Fastened To Concrete, Add	1.43	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.64	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.87	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.98	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.19	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.31	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.97	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.28	
07 22 16 00-0448 SF 4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	7.23	
For Mechanically Fastened To Concrete, Add	1.43	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.69	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.87	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.98	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.23	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.31	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.97	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.36	
07 22 16 00-0449 SF 4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	8.34	
For Mechanically Fastened To Concrete, Add	1.47	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.67	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.03	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.14	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.34	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.55	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.22	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.52	
07 22 16 00-0450 SF 5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.16	
For Mechanically Fastened To Concrete, Add	1.47	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.67	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.03	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.14	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.34	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.55	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.22	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.52	
07 22 16 00-0451 SF 5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.53	
For Mechanically Fastened To Concrete, Add	1.51	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.36	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.56	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.68	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.52	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.02	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.77	
07 22 16 00-0452 SF 6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.35	
For Mechanically Fastened To Concrete, Add	1.51	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.36	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.56	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.68	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.52	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.02	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.77	
07 22 16 00-0453 SF 6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	11.23	
For Mechanically Fastened To Concrete, Add	1.51	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.72	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.44	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.77	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.16	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.83	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.15	
<b>07 22 16 00-0454 Mechanically Fastened, 1/4" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0442)</small>		
07 22 16 00-0455 SF 2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	4.14	
For Mechanically Fastened To Concrete, Add	1.36	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.60	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.65	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.75	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	1.99	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.97	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.61	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	2.97	
07 22 16 00-0456 SF 3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.02	
For Mechanically Fastened To Concrete, Add	1.40	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.65	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.74	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.85	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.10	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.11	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.76	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.13	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0457 SF 4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.81	
For Mechanically Fastened To Concrete, Add	1.43	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.64	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.87	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.98	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.19	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.31	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.97	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.28	
07 22 16 00-0458 SF 5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	8.75	
For Mechanically Fastened To Concrete, Add	1.47	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.67	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.03	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.14	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.34	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.55	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.22	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.52	
07 22 16 00-0459 SF 6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.94	
For Mechanically Fastened To Concrete, Add	1.51	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.36	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.56	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.68	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.52	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.02	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.77	
07 22 16 00-0460 SF 7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	11.64	
For Mechanically Fastened To Concrete, Add	1.51	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.72	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.44	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.77	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.16	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.83	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.15	
<b>07 22 16 00-0461 Mechanically Fastened, 1/2" Slope, Tapered Perlite Board</b> (07 22 16 00-0442)		
07 22 16 00-0462 SF 3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.84	
For Mechanically Fastened To Concrete, Add	1.40	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.68	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.74	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.85	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.13	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.11	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.76	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.19	
07 22 16 00-0463 SF 5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.57	
For Mechanically Fastened To Concrete, Add	1.47	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.67	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.03	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.14	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.34	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.55	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.22	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.52	
07 22 16 00-0464 SF 7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	12.46	
For Mechanically Fastened To Concrete, Add	1.51	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.72	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.44	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.77	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.16	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.83	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.15	
07 22 16 00-0465 SF 9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	15.50	
For Mechanically Fastened To Concrete, Add	1.69	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.99	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.26	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.77	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.99	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.91	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.15	
<b>07 22 16 00-0466 Demolish Rigid Board Roofing Insulation</b> (07 22 16)		
Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).		
07 22 16 00-0467 SF Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation .....	0.52	
07 22 16 00-0468 SF Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation.....	0.54	
07 22 16 00-0469 SF Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation .....	0.55	
07 22 16 00-0470 SF Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation .....	0.57	
07 22 16 00-0471 SF Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation .....	0.59	
07 22 16 00-0472 SF Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation .....	0.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0473 SF Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation .....	0.61	
07 22 16 00-0474 SF Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation .....	0.63	
07 22 16 00-0475 SF Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation .....	0.64	
07 22 16 00-0476 SF Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation .....	0.66	
07 22 16 00-0477 SF Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation .....	0.67	
07 22 16 00-0478 SF Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation .....	0.69	
07 22 16 00-0479 SF Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation .....	0.71	

**07 24 Exterior Insulation and Finish Systems** (07 20)

**07 24 13 Polymer-Based Exterior Insulation and Finish System** (07 24)

**07 24 13 00-0001 Exterior Insulation Finishing System (EIFS)** (07 24 13)

**07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS)** (07 24 13 00-0001)

07 24 13 00-0003 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied .....	3.60	
<i>For Up To 100, Add</i>	0.82	
<i>For &gt;100 To 500, Add</i>	0.41	
<i>For &gt;5,000, Deduct</i>	-0.16	
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.31	
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	1.98	
07 24 13 00-0004 SF 1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied .....	3.95	
<i>For Up To 100, Add</i>	0.84	
<i>For &gt;100 To 500, Add</i>	0.42	
<i>For &gt;5,000, Deduct</i>	-0.17	
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.34	
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	1.99	
07 24 13 00-0005 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied .....	4.28	
<i>For Up To 100, Add</i>	0.85	
<i>For &gt;100 To 500, Add</i>	0.42	
<i>For &gt;5,000, Deduct</i>	-0.17	
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.49	
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.13	
07 24 13 00-0006 SF 2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied .....	4.62	
<i>For Up To 100, Add</i>	0.86	
<i>For &gt;100 To 500, Add</i>	0.43	
<i>For &gt;5,000, Deduct</i>	-0.17	
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.57	
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.25	
07 24 13 00-0007 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied .....	4.96	
<i>For Up To 100, Add</i>	0.87	
<i>For &gt;100 To 500, Add</i>	0.43	
<i>For &gt;5,000, Deduct</i>	-0.17	
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.57	
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.25	
07 24 13 00-0008 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied .....	5.61	
<i>For Up To 100, Add</i>	0.88	
<i>For &gt;100 To 500, Add</i>	0.44	
<i>For &gt;5,000, Deduct</i>	-0.18	
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.78	
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.41	

**07 24 13 00-0009 Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS)** (07 24 13 00-0001)

Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.

07 24 13 00-0010 SF 4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat .....	5.21	
<i>For Up To 100, Add</i>	1.64	
<i>For &gt;100 To 500, Add</i>	0.82	
<i>For &gt;5,000, Deduct</i>	-0.33	
07 24 13 00-0011 SF 6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat .....	5.78	
<i>For Up To 100, Add</i>	1.64	
<i>For &gt;100 To 500, Add</i>	0.82	
<i>For &gt;5,000, Deduct</i>	-0.33	
07 24 13 00-0012 SF 15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat .....	7.32	
<i>For Up To 100, Add</i>	1.64	
<i>For &gt;100 To 500, Add</i>	0.82	
<i>For &gt;5,000, Deduct</i>	-0.33	
07 24 13 00-0013 SF 20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat .....	7.78	
<i>For Up To 100, Add</i>	1.64	
<i>For &gt;100 To 500, Add</i>	0.82	
<i>For &gt;5,000, Deduct</i>	-0.33	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 24 Exterior Insulation and Finish Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>07 24 13 00-0014</b>	<b>Base Coats For Exterior Insulation Finishing Systems (EIFS)</b> (07 24 13 00-0001)		
07 24 13 00-0015	SF Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM).....	2.54	
	For Up To 100, Add	0.82	
	For >100 To 500, Add	0.41	
	For >5,000, Deduct	-0.16	
07 24 13 00-0016	SF Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®).....	2.96	
	For Up To 100, Add	0.82	
	For >100 To 500, Add	0.41	
	For >5,000, Deduct	-0.16	
07 24 13 00-0017	SF Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	5.25	
	For Up To 100, Add	0.82	
	For >100 To 500, Add	0.41	
	For >5,000, Deduct	-0.16	
07 24 13 00-0018	SF Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	7.05	
	For Up To 100, Add	0.82	
	For >100 To 500, Add	0.41	
	For >5,000, Deduct	-0.16	
<b>07 24 13 00-0019</b>	<b>Finish Coats For Exterior Insulation Finishing Systems (EIFS)</b> (07 24 13 00-0001)		
	Note: Includes all standard manufacturers' colors.		
07 24 13 00-0020	SF 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	4.30	
	For Up To 100, Add	1.64	
	For >100 To 500, Add	0.82	
	For >5,000, Deduct	-0.33	
07 24 13 00-0021	SF 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	4.39	
	For Up To 100, Add	1.64	
	For >100 To 500, Add	0.82	
	For >5,000, Deduct	-0.33	
07 24 13 00-0022	SF Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	5.06	
	For Up To 100, Add	1.64	
	For >100 To 500, Add	0.82	
	For >5,000, Deduct	-0.33	
07 24 13 00-0023	SF Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	5.65	
	For Up To 100, Add	1.64	
	For >100 To 500, Add	0.82	
	For >5,000, Deduct	-0.33	
07 24 13 00-0024	SF Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	5.06	
	For Up To 100, Add	1.64	
	For >100 To 500, Add	0.82	
	For >5,000, Deduct	-0.33	
07 24 13 00-0025	SF Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	5.65	
	For Up To 100, Add	1.64	
	For >100 To 500, Add	0.82	
	For >5,000, Deduct	-0.33	
07 24 13 00-0026	SF Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth).....	4.49	
	For Up To 100, Add	1.64	
	For >100 To 500, Add	0.82	
	For >5,000, Deduct	-0.33	
07 24 13 00-0027	SF Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®).....	5.10	
	For Up To 100, Add	1.64	
	For >100 To 500, Add	0.82	
	For >5,000, Deduct	-0.33	
07 24 13 00-0028	SF 100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™).....	10.39	
	For Up To 100, Add	1.64	
	For >100 To 500, Add	0.82	
	For >5,000, Deduct	-0.33	
<b>07 24 13 00-0029</b>	<b>Primer And Sealers For Exterior Insulation Finishing Systems (EIFS)</b> (07 24 13 00-0001)		
07 24 13 00-0030	SF 100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®).....	1.29	
	For Up To 100, Add	0.46	
	For >100 To 500, Add	0.23	
	For >5,000, Deduct	-0.09	
07 24 13 00-0031	SF 100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™).....	1.32	
	For Up To 100, Add	0.46	
	For >100 To 500, Add	0.23	
	For >5,000, Deduct	-0.09	
<b>07 24 13 00-0032</b>	<b>Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS)</b> (07 24 13 00-0001)		





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0033	SF		Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat .....	1.79	
			<i>For Up To 100, Add</i>	0.46	
			<i>For &gt;100 To 500, Add</i>	0.23	
			<i>For &gt;5,000, Deduct</i>	-0.09	
07 24 13 00-0034	SF		Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat .....	2.22	
			<i>For Up To 100, Add</i>	0.46	
			<i>For &gt;100 To 500, Add</i>	0.23	
			<i>For &gt;5,000, Deduct</i>	-0.09	
<b>07 24 13 00-0035</b>			<b>Drainage Accessories For Exterior Insulation Finishing Systems (EIFS)</b> <small>(07 24 13 00-0001)</small>		
07 24 13 00-0036	SF		1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat) .....	2.75	
			<i>For Up To 100, Add</i>	0.51	
			<i>For &gt;100 To 500, Add</i>	0.26	
			<i>For &gt;5,000, Deduct</i>	-0.10	
<b>07 24 13 00-0037</b>			<b>Starter Tracks For Exterior Insulation Finishing Systems (EIFS)</b> <small>(07 24 13 00-0001)</small>		
07 24 13 00-0038	LF		1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.02	
07 24 13 00-0039	LF		1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.34	
07 24 13 00-0040	LF		2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.72	
07 24 13 00-0041	LF		3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	5.49	
07 24 13 00-0042	LF		1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	4.34	
07 24 13 00-0043	LF		1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	4.72	
07 24 13 00-0044	LF		2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	5.08	
07 24 13 00-0045	LF		3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	5.94	
<b>07 24 13 00-0046</b>			<b>Demolish Exterior Insulation Finishing Systems (EIFS)</b> <small>(07 24 13 00-0001)</small>		
07 24 13 00-0047	SF		Demolish Exterior Insulation Finishing Systems (EIFS).....	6.87	
			Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.		
			<i>For Up To 100, Add</i>	3.44	
			<i>For &gt;100 To 500, Add</i>	1.72	
			<i>For &gt;5,000, Deduct</i>	-0.69	
<b>07 25 Weather Barriers</b> <small>(07)</small>					
<b>07 26 Vapor Retarders</b> <small>(07 25)</small>					
<b>07 26 13 Above-Grade Vapor Retarders</b> <small>(07 26)</small>					
07 26 13 00-0001	CSF		Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B).....	29.98	
07 26 13 00-0002	CSF		Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex).....	27.80	
07 26 13 00-0003	CSF		60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute).....	34.78	
07 26 13 00-0004	CSF		Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute).....	45.02	
07 26 13 00-0005	CSF		Regular Weight Red Rosin Sized Sheathing .....	25.55	
07 26 13 00-0006	CLF		6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper) .....	85.90	
07 26 13 00-0007	CLF		4" Wide Self Adhering Butyl Sealing Tape.....	130.80	
07 26 13 00-0008	CLF		6" Wide Self Adhesive Butyl Sealing Tape .....	188.92	
07 26 13 00-0009	CLF		9" Wide Self Adhesive Butyl Sealing Tape .....	262.57	
07 26 13 00-0010	CSF		Building Wrap (Tyvek) .....	69.10	
<b>07 27 Air Barriers</b> <small>(07 25)</small>					
<b>07 27 23 Board Product Air Barriers</b> <small>(07 27)</small>					
<b>07 27 23 00-0001 Barriers For Plenums</b> <small>(07 27 23)</small>					
07 27 23 00-0002	SF		0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 LB/SF .....	12.53	3.27
			<i>For Up To 50, Add</i>	4.44	
			<i>For &gt;50 To 200, Add</i>	2.53	
			<i>For &gt;200 To 500, Add</i>	0.95	
			<i>For &gt;2,500, Deduct</i>	-0.63	
07 27 23 00-0003	SF		0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 LB/SF .....	13.56	3.27
			<i>For Up To 50, Add</i>	4.85	
			<i>For &gt;50 To 200, Add</i>	2.76	
			<i>For &gt;200 To 500, Add</i>	1.03	
			<i>For &gt;2,500, Deduct</i>	-0.68	
07 27 23 00-0004	SF		Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick.....	4.64	2.17
			<i>For Up To 50, Add</i>	2.28	
			<i>For &gt;50 To 200, Add</i>	1.26	
			<i>For &gt;200 To 500, Add</i>	0.43	
			<i>For &gt;2,500, Deduct</i>	-0.23	

**07 Thermal And Moisture Protection****07 25 Weather Barriers****07 27 Air Barriers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 27 23 00-0005 SF Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick.....	8.47	3.27
For Up To 50, Add	4.08	
For >50 To 200, Add	2.25	
For >200 To 500, Add	0.78	
For >2,500, Deduct	-0.42	
07 27 23 00-0006 SF Aluminum Mesh Barrier For Plenum Kraft Paper Backed.....	6.58	2.17
For Up To 50, Add	2.57	
For >50 To 200, Add	1.45	
For >200 To 500, Add	0.53	
For >2,500, Deduct	-0.33	
07 27 23 00-0007 SF 1/64" Thick Sheet Lead Barrier For Plenum 1 LB/SF.....	9.72	2.17
For Up To 50, Add	2.91	
For >50 To 200, Add	1.70	
For >200 To 500, Add	0.67	
For >2,500, Deduct	-0.49	

**07 30 Steep Slope Roofing** <sup>(07)</sup>

Note: Includes starter strips and manufacturer's product specific warranties.

**07 31 Shingles and Shakes** <sup>(07 30)</sup>**07 31 13 Asphalt Shingles** <sup>(07 31)</sup>**07 31 13 13 Fiberglass-Reinforced Asphalt Shingles** <sup>(07 31 13)</sup>**07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle** <sup>(07 31 13 13)</sup>

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0002 SQ 200 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20) .....	262.53	172.38
For >35 To 75, Deduct	-10.58	
For >75 To 100, Deduct	-16.61	
For >100 To 200, Deduct	-24.76	
For >200, Deduct	-36.83	
For Steep Roof, Over 7 To 12, Add	50.17	
07 31 13 13-0003 SQ 220 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25).....	275.33	181.04
For >35 To 75, Deduct	-11.08	
For >75 To 100, Deduct	-17.40	
For >100 To 200, Deduct	-25.95	
For >200, Deduct	-38.61	
For Steep Roof, Over 7 To 12, Add	52.67	
07 31 13 13-0004 SQ 230 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30).....	318.76	190.06
For >35 To 75, Deduct	-14.59	
For >75 To 100, Deduct	-21.83	
For >100 To 200, Deduct	-31.99	
For >200, Deduct	-46.47	
For Steep Roof, Over 7 To 12, Add	55.31	

**07 31 13 13-0005 Architectural Fiberglass Reinforced, Asphalt Composition Shingle** <sup>(07 31 13 13)</sup>

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0006 SQ 245 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark).....	327.39	220.06
For >35 To 75, Deduct	-12.74	
For >75 To 100, Deduct	-20.28	
For >100 To 200, Deduct	-30.38	
For >200, Deduct	-45.48	
For Steep Roof, Over 7 To 12, Add	64.01	
07 31 13 13-0007 SQ 240 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate).....	346.74	209.53
For >35 To 75, Deduct	-15.62	
For >75 To 100, Deduct	-23.51	
For >100 To 200, Deduct	-34.52	
For >200, Deduct	-50.30	
For Steep Roof, Over 7 To 12, Add	60.97	
07 31 13 13-0008 SQ 265 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus).....	375.59	231.07
For >35 To 75, Deduct	-16.55	
For >75 To 100, Deduct	-25.11	
For >100 To 200, Deduct	-36.98	
For >200, Deduct	-54.11	
For Steep Roof, Over 7 To 12, Add	67.23	
07 31 13 13-0009 SQ 235 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras).....	362.85	199.56
For >35 To 75, Deduct	-18.14	
For >75 To 100, Deduct	-26.31	
For >100 To 200, Deduct	-38.10	
For >200, Deduct	-54.43	
For Steep Roof, Over 7 To 12, Add	58.05	
07 31 13 13-0010 SQ 300 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium) .....	407.53	242.63
For >35 To 75, Deduct	-18.70	
For >75 To 100, Deduct	-27.95	
For >100 To 200, Deduct	-40.95	
For >200, Deduct	-59.45	
For Steep Roof, Over 7 To 12, Add	70.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0011 SQ 300 LB/SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence).....	434.94	242.63
<i>For &gt;35 To 75, Deduct</i>	-21.44	
<i>For &gt;75 To 100, Deduct</i>	-31.24	
<i>For &gt;100 To 200, Deduct</i>	-45.33	
<i>For &gt;200, Deduct</i>	-64.94	
<i>For Steep Roof, Over 7 To 12, Add</i>	70.57	
07 31 13 13-0012 SQ 355 LB/SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake).....	474.96	267.46
<i>For &gt;35 To 75, Deduct</i>	-23.18	
<i>For &gt;75 To 100, Deduct</i>	-33.89	
<i>For &gt;100 To 200, Deduct</i>	-49.24	
<i>For &gt;200, Deduct</i>	-70.67	
<i>For Steep Roof, Over 7 To 12, Add</i>	77.82	
07 31 13 13-0013 SQ 340 LB/SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL).....	471.10	254.76
<i>For &gt;35 To 75, Deduct</i>	-23.96	
<i>For &gt;75 To 100, Deduct</i>	-34.54	
<i>For &gt;100 To 200, Deduct</i>	-49.91	
<i>For &gt;200, Deduct</i>	-71.07	
<i>For Steep Roof, Over 7 To 12, Add</i>	74.09	
07 31 13 13-0014 SQ 300 LB/SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris).....	468.64	242.63
<i>For &gt;35 To 75, Deduct</i>	-24.81	
<i>For &gt;75 To 100, Deduct</i>	-35.29	
<i>For &gt;100 To 200, Deduct</i>	-50.72	
<i>For &gt;200, Deduct</i>	-71.68	
<i>For Steep Roof, Over 7 To 12, Add</i>	70.57	
07 31 13 13-0015 SQ 355 LB/SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate).....	548.75	267.46
<i>For &gt;35 To 75, Deduct</i>	-30.56	
<i>For &gt;75 To 100, Deduct</i>	-42.75	
<i>For &gt;100 To 200, Deduct</i>	-61.05	
<i>For &gt;200, Deduct</i>	-85.43	
<i>For Steep Roof, Over 7 To 12, Add</i>	77.82	
07 31 13 13-0016 SQ 355 LB/SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House).....	567.97	267.46
<i>For &gt;35 To 75, Deduct</i>	-32.48	
<i>For &gt;75 To 100, Deduct</i>	-45.05	
<i>For &gt;100 To 200, Deduct</i>	-64.12	
<i>For &gt;200, Deduct</i>	-89.27	
<i>For Steep Roof, Over 7 To 12, Add</i>	77.82	
07 31 13 13-0017 SQ 480 LB/SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL).....	631.01	294.93
<i>For &gt;35 To 75, Deduct</i>	-36.29	
<i>For &gt;75 To 100, Deduct</i>	-50.25	
<i>For &gt;100 To 200, Deduct</i>	-71.47	
<i>For &gt;200, Deduct</i>	-99.39	
<i>For Steep Roof, Over 7 To 12, Add</i>	85.80	
07 31 13 13-0018 SQ 425 LB/SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor).....	621.54	280.82
<i>For &gt;35 To 75, Deduct</i>	-36.62	
<i>For &gt;75 To 100, Deduct</i>	-50.33	
<i>For &gt;100 To 200, Deduct</i>	-71.36	
<i>For &gt;200, Deduct</i>	-98.78	
<i>For Steep Roof, Over 7 To 12, Add</i>	81.71	
<b>07 31 13 13-0019 Asphalt Shingle Accessories (07 31 13 13)</b>		
07 31 13 13-0020 LF Hip And Ridge Roll Vent.....	8.20	1.04
Note: Excludes shingles.		
07 31 13 13-0021 LF Three Tab Hip And Ridge Shingles.....	3.67	2.56
07 31 13 13-0022 LF Architectural Hip And Ridge Shingles.....	4.44	2.85
07 31 13 13-0023 SQ Demolish Each Additional Layer Of Shingles.....	79.93	
<b>07 31 16 Metal Shingles (07 31)</b>		
<b>07 31 16 00-0001 Aluminum Shingles (07 31 16)</b>		
07 31 16 00-0002 SQ Aluminum Shingles, Mill Finish, 0.020" Thick.....	709.29	163.45
<i>For Colors, Anodized Finish, Add</i>	30.00	
<i>For Bonderized Finish, Add</i>	47.00	
<i>For 1" Factory Applied Polystyrene, Add</i>	37.00	
07 31 16 00-0003 SQ Aluminum Shingles, Mill Finish, 0.030" Thick.....	972.44	178.64
<i>For Colors, Anodized Finish, Add</i>	30.00	
<i>For Bonderized Finish, Add</i>	47.00	
<i>For 1" Factory Applied Polystyrene, Add</i>	37.00	
07 31 16 00-0004 LF Aluminum Shingles, Ridge Cap, 0.020" Thick.....	13.04	2.35
07 31 16 00-0005 LF Aluminum Shingles, Ridge Cap, 0.030" Thick.....	13.66	2.35
07 31 16 00-0006 LF Aluminum Shingles, Valley Section, 0.020" Thick.....	8.38	2.35
07 31 16 00-0007 LF Aluminum Shingles, Valley Section, 0.030" Thick.....	9.62	2.35
<b>07 31 16 00-0008 Galvanized Steel Shingles (07 31 16)</b>		

**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 31 Shingles and Shakes**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 16 00-0009	SQ		24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles .....	515.05	147.07
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For &gt;50 To 75, Deduct</i>	-8.83	
			<i>For &gt;75 To 100, Deduct</i>	-22.82	
			<i>For &gt;100 To 200, Deduct</i>	-39.00	
			<i>For &gt;200, Deduct</i>	-52.99	
			<i>For Steep Roof, Over 7 To 12, Add</i>	94.14	
07 31 16 00-0010	SQ		26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles .....	494.36	145.89
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For &gt;50 To 75, Deduct</i>	-8.11	
			<i>For &gt;75 To 100, Deduct</i>	-21.48	
			<i>For &gt;100 To 200, Deduct</i>	-36.88	
			<i>For &gt;200, Deduct</i>	-50.25	
			<i>For Steep Roof, Over 7 To 12, Add</i>	93.34	
07 31 16 00-0011	SQ		24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles.....	837.07	147.07
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For &gt;50 To 75, Deduct</i>	-21.72	
			<i>For &gt;75 To 100, Deduct</i>	-45.36	
			<i>For &gt;100 To 200, Deduct</i>	-74.43	
			<i>For &gt;200, Deduct</i>	-98.07	
			<i>For Steep Roof, Over 7 To 12, Add</i>	94.14	
07 31 16 00-0012	SQ		26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles.....	767.63	145.89
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For &gt;50 To 75, Deduct</i>	-19.04	
			<i>For &gt;75 To 100, Deduct</i>	-40.61	
			<i>For &gt;100 To 200, Deduct</i>	-66.94	
			<i>For &gt;200, Deduct</i>	-88.51	
			<i>For Steep Roof, Over 7 To 12, Add</i>	93.34	
07 31 16 00-0013	LF		Galvanized Steel Shingles, Ridge Or Valley .....	8.50	1.96
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For &gt;50 To 75, Deduct</i>	-0.19	
			<i>For &gt;75 To 100, Deduct</i>	-0.42	
			<i>For &gt;100 To 200, Deduct</i>	-0.70	
			<i>For &gt;200, Deduct</i>	-0.94	
			<i>For Steep Roof, Over 7 To 12, Add</i>	1.23	

**07 31 26 Slate Shingles (07 31)**

Note: Includes 30 LB felt and fasteners.

**07 31 26 00-0001 Shingles Including 30 LB Felt And Nails (07 31 26)**

07 31 26 00-0002	SQ		Slate Shingles, Buckingham, Virginia Black, 3/16" Thick.....	1,222.46	250.88
			<i>For &gt;50 To 75, Deduct</i>	-26.60	
			<i>For &gt;75 To 100, Deduct</i>	-60.49	
			<i>For &gt;100 To 200, Deduct</i>	-101.02	
			<i>For &gt;200, Deduct</i>	-134.91	
			<i>For Graduated Shapes, Add</i>	99.75	
			<i>For Steep Roof, Over 7 To 12, Add</i>	178.39	
07 31 26 00-0003	SQ		Slate Shingles, Buckingham, Virginia Black, 1/4" Thick.....	1,403.67	250.88
			<i>For &gt;50 To 75, Deduct</i>	-33.85	
			<i>For &gt;75 To 100, Deduct</i>	-73.17	
			<i>For &gt;100 To 200, Deduct</i>	-120.96	
			<i>For &gt;200, Deduct</i>	-160.28	
			<i>For Graduated Shapes, Add</i>	126.93	
			<i>For Steep Roof, Over 7 To 12, Add</i>	178.39	
07 31 26 00-0004	SQ		Slate Shingles, Penn Black Bangor .....	1,349.31	250.88
			<i>For &gt;50 To 75, Deduct</i>	-31.67	
			<i>For &gt;75 To 100, Deduct</i>	-69.37	
			<i>For &gt;100 To 200, Deduct</i>	-114.98	
			<i>For &gt;200, Deduct</i>	-152.67	
			<i>For Graduated Shapes, Add</i>	118.78	
			<i>For Steep Roof, Over 7 To 12, Add</i>	178.39	
07 31 26 00-0005	SQ		Slate Shingles, Vermont, Unfading Colors, Green.....	1,367.43	250.88
			<i>For &gt;50 To 75, Deduct</i>	-32.40	
			<i>For &gt;75 To 100, Deduct</i>	-70.63	
			<i>For &gt;100 To 200, Deduct</i>	-116.97	
			<i>For &gt;200, Deduct</i>	-155.20	
			<i>For Graduated Shapes, Add</i>	121.49	
			<i>For Steep Roof, Over 7 To 12, Add</i>	178.39	
07 31 26 00-0006	SQ		Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray .....	1,439.92	250.88
			<i>For &gt;50 To 75, Deduct</i>	-35.30	
			<i>For &gt;75 To 100, Deduct</i>	-75.71	
			<i>For &gt;100 To 200, Deduct</i>	-124.94	
			<i>For &gt;200, Deduct</i>	-165.35	
			<i>For Graduated Shapes, Add</i>	132.37	
			<i>For Steep Roof, Over 7 To 12, Add</i>	178.39	
07 31 26 00-0007	SQ		Slate Shingles, Vermont, Unfading Color, Purple .....	1,349.31	250.88
			<i>For &gt;50 To 75, Deduct</i>	-31.67	
			<i>For &gt;75 To 100, Deduct</i>	-69.37	
			<i>For &gt;100 To 200, Deduct</i>	-114.98	
			<i>For &gt;200, Deduct</i>	-152.67	
			<i>For Graduated Shapes, Add</i>	118.78	
			<i>For Steep Roof, Over 7 To 12, Add</i>	178.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 26 00-0008 SQ Slate Shingles, Vermont, Unfading Color, Black Or Gray .....	1,294.94	250.88
For >50 To 75, Deduct	-29.50	
For >75 To 100, Deduct	-65.56	
For >100 To 200, Deduct	-109.00	
For >200, Deduct	-145.06	
For Graduated Shapes, Add	110.62	
For Steep Roof, Over 7 To 12, Add	178.39	
07 31 26 00-0009 SQ Slate Shingles, Vermont, Unfading Color, Red .....	2,427.30	250.88
For >50 To 75, Deduct	-74.79	
For >75 To 100, Deduct	-144.82	
For >100 To 200, Deduct	-233.55	
For >200, Deduct	-303.59	
For Graduated Shapes, Add	280.47	
For Steep Roof, Over 7 To 12, Add	178.39	
07 31 26 00-0010 SQ Slate Shingles, Vermont, Unfading Color, Variegated Purple .....	1,349.31	250.88
For >50 To 75, Deduct	-31.67	
For >75 To 100, Deduct	-69.37	
For >100 To 200, Deduct	-114.98	
For >200, Deduct	-152.67	
For Graduated Shapes, Add	118.78	
For Steep Roof, Over 7 To 12, Add	178.39	

**07 31 29 Wood Shingles and Shakes (07 31)**

**07 31 29 13 Wood Shingles (07 31 29)**

**07 31 29 13-0001 #1 Grade, Red Cedar Shingles (07 31 29 13)**

**07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0001)**

07 31 29 13-0003 SQ 3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	897.19	217.85
For Steep Roof, Over 7 To 12, Add	139.43	
For Pressure-Impregnated Treated (Preservative), Add	69.22	
07 31 29 13-0004 SQ 5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	649.82	163.39
For Steep Roof, Over 7 To 12, Add	104.57	
For Pressure-Impregnated Treated (Preservative), Add	48.46	
07 31 29 13-0005 SQ 4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	797.20	185.18
For Steep Roof, Over 7 To 12, Add	118.51	
For Pressure-Impregnated Treated (Preservative), Add	64.03	
07 31 29 13-0006 SQ 5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	652.88	152.50
For Steep Roof, Over 7 To 12, Add	97.60	
For Pressure-Impregnated Treated (Preservative), Add	52.18	
07 31 29 13-0007 SQ 5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	870.15	144.33
For Steep Roof, Over 7 To 12, Add	92.37	
For Pressure-Impregnated Treated (Preservative), Add	87.23	
07 31 29 13-0008 SQ 7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	672.48	122.54
For Steep Roof, Over 7 To 12, Add	78.43	
For Pressure-Impregnated Treated (Preservative), Add	64.11	

**07 31 29 13-0009 #1 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0001)**

07 31 29 13-0010 SQ 7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall .....	622.88	196.07
For Pressure-Impregnated Treated (Preservative), Add	34.61	
07 31 29 13-0011 SQ 8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall .....	610.27	185.18
For Pressure-Impregnated Treated (Preservative), Add	35.99	
07 31 29 13-0012 SQ 10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall .....	626.62	160.67
For Pressure-Impregnated Treated (Preservative), Add	45.79	

**07 31 29 13-0013 #2 Grade, Red Cedar Shingles (07 31 29 13)**

**07 31 29 13-0014 #2 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0013)**

07 31 29 13-0015 SQ 3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	830.23	228.75
For Steep Roof, Over 7 To 12, Add	146.40	
For Pressure-Impregnated Treated (Preservative), Add	55.91	
07 31 29 13-0016 SQ 4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	740.06	206.96
For Steep Roof, Over 7 To 12, Add	132.45	
For Pressure-Impregnated Treated (Preservative), Add	48.92	
07 31 29 13-0017 SQ 4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	790.94	206.96
For Steep Roof, Over 7 To 12, Add	132.45	
For Pressure-Impregnated Treated (Preservative), Add	56.55	
07 31 29 13-0018 SQ 4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	705.74	185.18
For Steep Roof, Over 7 To 12, Add	118.51	
For Pressure-Impregnated Treated (Preservative), Add	50.31	
07 31 29 13-0019 SQ 5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	694.35	144.33
For Steep Roof, Over 7 To 12, Add	92.37	
For Pressure-Impregnated Treated (Preservative), Add	60.86	
07 31 29 13-0020 SQ 6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	566.53	125.27
For Steep Roof, Over 7 To 12, Add	80.17	
For Pressure-Impregnated Treated (Preservative), Add	47.40	

**07 31 29 13-0021 #2 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0013)**

07 31 29 13-0022 SQ 6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall .....	600.29	206.96
For Pressure-Impregnated Treated (Preservative), Add	27.96	

**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 31 Shingles and Shakes**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0023	SQ		7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall ..... <i>For Pressure-Impregnated Treated (Preservative), Add</i>	580.65 28.28	196.07
07 31 29 13-0024	SQ		9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall ..... <i>For Pressure-Impregnated Treated (Preservative), Add</i>	561.55 31.95	174.29
<b>07 31 29 16 Wood Shakes (07 31 29)</b>					
07 31 29 16-0001			#1 Grade, Red Cedar Shakes (07 31 29 16)		
07 31 29 16-0002			#1 Grade, Red Cedar Shakes Installed On Roofs (07 31 29 16-0001)		
07 31 29 16-0003	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	652.20 113.28 44.73	177.00
07 31 29 16-0004	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	751.59 113.28 59.64	177.00
07 31 29 16-0005	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	698.66 92.37 61.50	144.33
07 31 29 16-0006	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	740.90 92.37 67.84	144.33
07 31 29 16-0007			#1 Grade, Red Cedar Shakes Installed On Walls (07 31 29 16-0001)		
07 31 29 16-0008	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall ..... <i>For Pressure-Impregnated Treated (Preservative), Add</i>	679.44 44.73	190.62
07 31 29 16-0009	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall ..... <i>For Pressure-Impregnated Treated (Preservative), Add</i>	778.83 59.64	190.62
07 31 29 16-0010	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall ..... <i>For Pressure-Impregnated Treated (Preservative), Add</i>	736.79 61.50	163.39
07 31 29 16-0011	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall ..... <i>For Pressure-Impregnated Treated (Preservative), Add</i>	779.03 67.84	163.39
<b>07 31 29 19 Wood Shingles And Shakes Cap (07 31 29)</b>					
07 31 29 19-0001			Accessories (07 31 29 19)		
07 31 29 19-0002	LF		Hip Or Ridge Cap For Wood Shingles Or Shakes ..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative) Ridge, Add</i>	11.17 1.06 1.18	1.42
<b>07 31 33 Composite Rubber Shingles (07 31)</b>					
07 31 33 00-0001			Synthetic Polymeric Rubber Slate Shingles (07 31 33) Note: As manufactured by EcoStar.		
07 31 33 00-0002	SQ		Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure ..... Note: Gray or black. <i>For Purple Or Green Color, Add</i> <i>For Brown Or Red Color, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	1,252.16 130.26 333.80 140.17 -20.35 -51.66 -82.96 -125.22	219.03
07 31 33 00-0003	SQ		Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure..... Note: Fire resistant. Gray or black. <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	1,794.92 203.54 140.17 -33.92 -78.80 -123.67 -179.49	219.03
07 31 33 00-0004	SQ		Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure ..... Note: Beaver tail, chisel point or beveled edges. Gray or black. <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	1,475.65 373.55 140.17 -25.94 -62.83 -99.72 -147.57	219.03
07 31 33 00-0005	SQ		Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure ..... Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black. <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	1,906.66 161.55 140.17 -36.72 -84.38 -132.05 -190.67	219.03
07 31 33 00-0006	LF		Hip Or Ridge Polymeric Rubber Slate Shingle..... Note: Beveled or pointed edges, gray or black.	14.52	1.47



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**07 32 Roof Tiles** (07 30)

**07 32 13 Clay Roof Tiles** (07 32)

Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

**07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure** (07 32 13)

Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0002	SQ Lanai Or Classic Tile, 158 Piece Per SQ .....	1,269.09	237.93
	For >25 To 50, Deduct	-47.59	
	For >50 To 75, Deduct	-91.22	
	For >75 To 100, Deduct	-126.91	
	For >100 To 200, Deduct	-154.67	
	For >200, Deduct	-174.50	
	For 20 Year Warranty, Add	55.52	
07 32 13 00-0003	SQ Americana (Most Colors) Tile Roofing, 158 Piece Per SQ.....	1,523.24	237.93
	For >25 To 50, Deduct	-62.84	
	For >50 To 75, Deduct	-116.63	
	For >75 To 100, Deduct	-159.95	
	For >100 To 200, Deduct	-192.79	
	For >200, Deduct	-215.16	
	For 20 Year Warranty, Add	73.31	
07 32 13 00-0004	SQ Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ .....	1,523.24	237.93
	For >25 To 50, Deduct	-62.84	
	For >50 To 75, Deduct	-116.63	
	For >75 To 100, Deduct	-159.95	
	For >100 To 200, Deduct	-192.79	
	For >200, Deduct	-215.16	
	For 20 Year Warranty, Add	73.31	
07 32 13 00-0005	SQ Americana (Blue) Tile, 158 Piece Per SQ.....	1,738.88	237.93
	For >25 To 50, Deduct	-75.78	
	For >50 To 75, Deduct	-138.19	
	For >75 To 100, Deduct	-187.98	
	For >100 To 200, Deduct	-225.14	
	For >200, Deduct	-249.67	
	For 20 Year Warranty, Add	88.41	
07 32 13 00-0006	SQ French Tile Roofing, Red, 133 Piece Per SQ .....	1,511.63	290.91
	For >25 To 50, Deduct	-55.79	
	For >50 To 75, Deduct	-107.53	
	For >75 To 100, Deduct	-149.97	
	For >100 To 200, Deduct	-183.11	
	For >200, Deduct	-206.95	
	For 20 Year Warranty, Add	65.09	
07 32 13 00-0007	SQ French Tile Roofing, Blue Or Green, 133 Piece Per SQ.....	1,890.98	290.91
	For >25 To 50, Deduct	-78.55	
	For >50 To 75, Deduct	-145.46	
	For >75 To 100, Deduct	-199.28	
	For >100 To 200, Deduct	-240.01	
	For >200, Deduct	-267.65	
	For 20 Year Warranty, Add	91.64	
07 32 13 00-0008	SQ Norman Tile Roofing, 317 Piece Per SQ .....	2,409.61	392.46
	For >25 To 50, Deduct	-97.50	
	For >50 To 75, Deduct	-182.11	
	For >75 To 100, Deduct	-250.47	
	For >100 To 200, Deduct	-302.59	
	For >200, Deduct	-338.46	
	For 20 Year Warranty, Add	113.75	
07 32 13 00-0009	SQ Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ .....	1,321.83	290.91
	For >25 To 50, Deduct	-44.40	
	For >50 To 75, Deduct	-88.55	
	For >75 To 100, Deduct	-125.29	
	For >100 To 200, Deduct	-154.64	
	For >200, Deduct	-176.58	
	For 20 Year Warranty, Add	51.80	
07 32 13 00-0010	SQ Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ.....	1,629.13	290.91
	For >25 To 50, Deduct	-62.84	
	For >50 To 75, Deduct	-119.28	
	For >75 To 100, Deduct	-165.24	
	For >100 To 200, Deduct	-200.73	
	For >200, Deduct	-225.75	
	For 20 Year Warranty, Add	73.31	
07 32 13 00-0011	SQ Spanish Tile Roofing, Red, 171 Piece Per SQ.....	1,136.43	217.82
	For >25 To 50, Deduct	-42.05	
	For >50 To 75, Deduct	-80.97	
	For >75 To 100, Deduct	-112.88	
	For >100 To 200, Deduct	-137.79	
	For >200, Deduct	-155.69	
	For 20 Year Warranty, Add	49.05	
07 32 13 00-0012	SQ Spanish Tile Roofing, Blend, 171 Piece Per SQ.....	1,467.60	217.82
	For >25 To 50, Deduct	-61.92	
	For >50 To 75, Deduct	-114.08	
	For >75 To 100, Deduct	-155.93	
	For >100 To 200, Deduct	-187.46	
	For >200, Deduct	-208.68	
	For 20 Year Warranty, Add	72.23	

**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 32 Roof Tiles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0013 SQ Spanish Tile Roofing, Glazed White, 171 Piece Per SQ.....	1,752.55	217.82
For >25 To 50, Deduct	-79.01	
For >50 To 75, Deduct	-142.58	
For >75 To 100, Deduct	-192.98	
For >100 To 200, Deduct	-230.21	
For >200, Deduct	-254.27	
For 20 Year Warranty, Add	92.18	
07 32 13 00-0014 SQ Two Piece Mission Tile Roofing, 192 Piece Per SQ .....	2,115.28	341.44
For >25 To 50, Deduct	-85.94	
For >50 To 75, Deduct	-160.31	
For >75 To 100, Deduct	-220.36	
For >100 To 200, Deduct	-266.08	
For >200, Deduct	-297.47	
For 20 Year Warranty, Add	100.27	
07 32 13 00-0015 SQ One Piece Mission Tile Roofing, 75 Piece Per SQ .....	937.93	237.93
For >25 To 50, Deduct	-27.72	
For >50 To 75, Deduct	-58.10	
For >75 To 100, Deduct	-83.86	
For >100 To 200, Deduct	-105.00	
For >200, Deduct	-121.51	
For 20 Year Warranty, Add	32.34	
07 32 13 00-0016 SQ One Piece Mission Tile Roofing, 134 Piece Per SQ .....	1,248.86	341.44
For >25 To 50, Deduct	-33.96	
For >50 To 75, Deduct	-73.67	
For >75 To 100, Deduct	-107.72	
For >100 To 200, Deduct	-136.11	
For >200, Deduct	-158.84	
For 20 Year Warranty, Add	39.62	
07 32 13 00-0017 SQ MCA BABY "S" Tiles 9" x 13" 199 Piece Per SQ .....	3,353.49	341.44
For >25 To 50, Deduct	-158.65	
For >50 To 75, Deduct	-282.15	
For >75 To 100, Deduct	-379.20	
For >100 To 200, Deduct	-449.82	
For >200, Deduct	-494.00	
For 20 Year Warranty, Add	185.09	
07 32 13 00-0018 SQ MCA BABY "S" Tiles 10 3/4" X 13 1/2" 170 Piece Per SQ.....	2,988.93	341.44
For >25 To 50, Deduct	-136.77	
For >50 To 75, Deduct	-245.69	
For >75 To 100, Deduct	-331.81	
For >100 To 200, Deduct	-395.14	
For >200, Deduct	-435.67	
For 20 Year Warranty, Add	159.57	
07 32 13 00-0019 SQ MCA BABY "S" Tiles 11 1/2" X 14" 139 Piece Per SQ .....	2,583.01	341.44
For >25 To 50, Deduct	-112.42	
For >50 To 75, Deduct	-205.10	
For >75 To 100, Deduct	-279.04	
For >100 To 200, Deduct	-334.25	
For >200, Deduct	-370.72	
For 20 Year Warranty, Add	131.15	

**07 32 16 Concrete Roof Tiles (07 32)****07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood (07 32 16)**

Note: Includes 30 lb felt underlayment.

07 32 16 00-0002 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Earthtone Colors, Corrugated .....	998.59	360.67
For >50 To 75, Deduct	-11.09	
For >75 To 100, Deduct	-37.44	
For >100 To 200, Deduct	-66.56	
For >200, Deduct	-92.91	
For Steep Roof, Over 7 To 12, Add	230.86	
07 32 16 00-0003 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Blues, Corrugated .....	1,272.40	360.67
For >50 To 75, Deduct	-22.04	
For >75 To 100, Deduct	-56.60	
For >100 To 200, Deduct	-96.68	
For >200, Deduct	-131.24	
For Steep Roof, Over 7 To 12, Add	230.86	
07 32 16 00-0004 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Greens Corrugated .....	1,053.35	360.67
For >50 To 75, Deduct	-13.28	
For >75 To 100, Deduct	-41.27	
For >100 To 200, Deduct	-72.58	
For >200, Deduct	-100.58	
For Steep Roof, Over 7 To 12, Add	230.86	
07 32 16 00-0005 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Colors, Shakes .....	991.11	322.70
For >50 To 75, Deduct	-13.82	
For >75 To 100, Deduct	-40.33	
For >100 To 200, Deduct	-70.29	
For >200, Deduct	-96.80	
For Steep Roof, Over 7 To 12, Add	206.56	

**07 32 16 00-0006 Accessories (07 32 16)**

07 32 16 00-0007 EA Ridge And Hip, 10" X 16-1/2", 8 LB Each For Concrete Tile Roof .....	4.62	
07 32 16 00-0008 EA Rake, 6-1/2" X 16-3/4", 9 LB Each For Concrete Tile Roof.....	3.04	
07 32 16 00-0009 EA Mansard Hip, 10" X 16-1/2", 9.2 LB Each For Concrete Tile Roof .....	4.59	
07 32 16 00-0010 EA Hip Starter, 10" X 16-1/2", 10.5 LB Each For Concrete Tile Roof .....	5.26	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 32 16 00-0011 EA 3 Or 4 Way Apex, 10" Each Side, 11.5 LB Each For Concrete Tile Roof .....5.48

### 07 34 Roofing Underlayment (07 34)

#### 07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment (07 34)

Note: Standard slope.

07 34 00 00-0002	SQ 15 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened .....	36.99		7.06
	<i>For Steep Roof, Over 7 To 12, Add</i>	4.52		
	<i>For &gt;50 To 75, Deduct</i>	-0.91		
	<i>For &gt;75 To 100, Deduct</i>	-1.95		
	<i>For &gt;100 To 200, Deduct</i>	-3.22		
	<i>For &gt;200, Deduct</i>	-4.61		
07 34 00 00-0003	SQ 30 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened .....	57.64		9.71
	<i>For Steep Roof, Over 7 To 12, Add</i>	6.21		
	<i>For &gt;50 To 75, Deduct</i>	-1.53		
	<i>For &gt;75 To 100, Deduct</i>	-3.16		
	<i>For &gt;100 To 200, Deduct</i>	-5.18		
	<i>For &gt;200, Deduct</i>	-7.29		
07 34 00 00-0004	SQ 30 LB, Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened.....	64.84		9.71
	<i>For Steep Roof, Over 7 To 12, Add</i>	6.21		
	<i>For &gt;50 To 75, Deduct</i>	-1.82		
	<i>For &gt;75 To 100, Deduct</i>	-3.67		
	<i>For &gt;100 To 200, Deduct</i>	-5.97		
	<i>For &gt;200, Deduct</i>	-8.30		
07 34 00 00-0005	SQ Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt) .....	70.23		14.71
	<i>For Steep Roof, Over 7 To 12, Add</i>	9.41		
	<i>For &gt;50 To 75, Deduct</i>	-1.63		
	<i>For &gt;75 To 100, Deduct</i>	-3.59		
	<i>For &gt;100 To 200, Deduct</i>	-5.96		
	<i>For &gt;200, Deduct</i>	-8.66		
07 34 00 00-0006	SQ 17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25).....	78.76		14.71
	<i>For Steep Roof, Over 7 To 12, Add</i>	9.41		
	<i>For &gt;50 To 75, Deduct</i>	-1.97		
	<i>For &gt;75 To 100, Deduct</i>	-4.19		
	<i>For &gt;100 To 200, Deduct</i>	-6.90		
	<i>For &gt;200, Deduct</i>	-9.85		
07 34 00 00-0007	SQ 25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30).....	92.80		14.71
	<i>For Steep Roof, Over 7 To 12, Add</i>	9.41		
	<i>For &gt;50 To 75, Deduct</i>	-2.54		
	<i>For &gt;75 To 100, Deduct</i>	-5.17		
	<i>For &gt;100 To 200, Deduct</i>	-8.44		
	<i>For &gt;200, Deduct</i>	-11.82		
07 34 00 00-0008	SQ 30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50).....	85.78		14.71
	<i>For Steep Roof, Over 7 To 12, Add</i>	9.41		
	<i>For &gt;50 To 75, Deduct</i>	-2.25		
	<i>For &gt;75 To 100, Deduct</i>	-4.68		
	<i>For &gt;100 To 200, Deduct</i>	-7.67		
	<i>For &gt;200, Deduct</i>	-10.83		

#### 07 34 00 00-0009 Self-Adhering, Roofing Underlayment (07 34)

Note: Standard slope.

07 34 00 00-0010	SQ 48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat) .....	152.25		17.84
	<i>For Steep Roof, Over 7 To 12, Add</i>	11.41		
	<i>For &gt;50 To 75, Deduct</i>	-4.66		
	<i>For &gt;75 To 100, Deduct</i>	-9.05		
	<i>For &gt;100 To 200, Deduct</i>	-14.61		
	<i>For &gt;200, Deduct</i>	-19.89		
07 34 00 00-0011	SQ 60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®).....	233.69		17.84
	<i>For Steep Roof, Over 7 To 12, Add</i>	11.41		
	<i>For &gt;50 To 75, Deduct</i>	-7.92		
	<i>For &gt;75 To 100, Deduct</i>	-14.75		
	<i>For &gt;100 To 200, Deduct</i>	-23.57		
	<i>For &gt;200, Deduct</i>	-31.29		
07 34 00 00-0012	SQ 53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G) .....	162.33		17.84
	<i>For Steep Roof, Over 7 To 12, Add</i>	11.41		
	<i>For &gt;50 To 75, Deduct</i>	-5.07		
	<i>For &gt;75 To 100, Deduct</i>	-9.76		
	<i>For &gt;100 To 200, Deduct</i>	-15.72		
	<i>For &gt;200, Deduct</i>	-21.30		
07 34 00 00-0013	SQ 65 Mil, Fire Rated, Polyester Non Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal) .....	152.25		17.84
	<i>For Steep Roof, Over 7 To 12, Add</i>	11.41		
	<i>For &gt;50 To 75, Deduct</i>	-4.66		
	<i>For &gt;75 To 100, Deduct</i>	-9.05		
	<i>For &gt;100 To 200, Deduct</i>	-14.61		
	<i>For &gt;200, Deduct</i>	-19.89		

**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 34 Roofing Underlayment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0014	SQ		45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30) .....	221.94	17.84
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.41	
			<i>For &gt;50 To 75, Deduct</i>	-7.45	
			<i>For &gt;75 To 100, Deduct</i>	-13.93	
			<i>For &gt;100 To 200, Deduct</i>	-22.27	
			<i>For &gt;200, Deduct</i>	-29.65	
07 34 00 00-0015	SQ		25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select).....	185.14	17.84
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.41	
			<i>For &gt;50 To 75, Deduct</i>	-5.98	
			<i>For &gt;75 To 100, Deduct</i>	-11.36	
			<i>For &gt;100 To 200, Deduct</i>	-18.23	
			<i>For &gt;200, Deduct</i>	-24.49	
07 34 00 00-0016	SQ		40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®) .....	279.97	17.84
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.41	
			<i>For &gt;50 To 75, Deduct</i>	-9.77	
			<i>For &gt;75 To 100, Deduct</i>	-17.99	
			<i>For &gt;100 To 200, Deduct</i>	-28.66	
			<i>For &gt;200, Deduct</i>	-37.77	
07 34 00 00-0017	SQ		40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT).....	321.51	17.84
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.41	
			<i>For &gt;50 To 75, Deduct</i>	-11.43	
			<i>For &gt;75 To 100, Deduct</i>	-20.90	
			<i>For &gt;100 To 200, Deduct</i>	-33.23	
			<i>For &gt;200, Deduct</i>	-43.59	
07 34 00 00-0018	SQ		30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra) .....	477.35	17.84
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.41	
			<i>For &gt;50 To 75, Deduct</i>	-17.67	
			<i>For &gt;75 To 100, Deduct</i>	-31.81	
			<i>For &gt;100 To 200, Deduct</i>	-50.37	
			<i>For &gt;200, Deduct</i>	-65.40	

**07 40 Roofing and Siding Panels** <sup>(07)</sup>**07 41 Roof Panels** <sup>(07 40)</sup>

Note: Includes standard fasteners, grommets, cleats for installation.

**07 41 13 Metal Roof Panels** <sup>(07 41)</sup>**07 41 13 00-0001 Exposed Fastener Metal Roofing** <sup>(07 41 13)</sup>

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

**07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing** <sup>(07 41 13 00-0001)</sup>**07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels** <sup>(07 41 13 00-0002)</sup>

07 41 13 00-0004	SF		18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels .....	8.04	2.48
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.31	
			<i>For Steep Roof, Over 7 To 12, Add</i>	1.27	
07 41 13 00-0005	SF		20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels .....	7.32	2.48
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.31	
			<i>For Steep Roof, Over 7 To 12, Add</i>	1.27	
07 41 13 00-0006	SF		22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels .....	6.82	2.48
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.31	
			<i>For Steep Roof, Over 7 To 12, Add</i>	1.27	
07 41 13 00-0007	SF		24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels .....	6.33	2.48
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.31	
			<i>For Steep Roof, Over 7 To 12, Add</i>	1.27	
07 41 13 00-0008	SF		26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels .....	5.92	2.48
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.31	
			<i>For Steep Roof, Over 7 To 12, Add</i>	1.27	
07 41 13 00-0009	SF		28 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels .....	5.56	2.48
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.31	
			<i>For Steep Roof, Over 7 To 12, Add</i>	1.27	
07 41 13 00-0010	SF		30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels .....	5.42	2.48
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.31	
			<i>For Steep Roof, Over 7 To 12, Add</i>	1.27	

**07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories** <sup>(07 41 13 00-0002)</sup>

See CSI section 07 41 13 00-0038 for accessories.

07 41 13 00-0012	LF		Ridge Flashing For Galvanized Steel Exposed Fastener Roofing .....	26.74	2.58
			<i>For Steep Roof, Over 7 To 12, Add</i>	3.34	
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.63	
07 41 13 00-0013	LF		9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Exposed Fastener Roofing.....	16.63	1.70
			<i>For Steep Roof, Over 7 To 12, Add</i>	2.23	
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.97	
07 41 13 00-0014	LF		Valley Flashing For Galvanized Steel Exposed Fastener Roofing.....	33.14	2.58
			<i>For Steep Roof, Over 7 To 12, Add</i>	3.34	
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	2.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0015 LF Hip Flashing For Galvanized Steel Exposed Fastener Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	27.32 3.34 1.69	2.58
<b>07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing</b> (07 41 13 00-0001)		
<b>07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels</b> (07 41 13 00-0016)		
07 41 13 00-0018 SF 0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	5.49 1.31 1.27	2.48
07 41 13 00-0019 SF 0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	5.74 1.31 1.27	2.48
07 41 13 00-0020 SF 0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	6.32 1.31 1.27	2.48
07 41 13 00-0021 SF 0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	7.10 1.31 1.27	2.48
07 41 13 00-0022 SF 0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	7.88 1.31 1.27	2.48
07 41 13 00-0023 SF 0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	8.86 1.31 1.27	2.48
<b>07 41 13 00-0024 Aluminum Exposed Fastener Metal Roof Accessories</b> (07 41 13 00-0016)		
07 41 13 00-0025 LF Ridge Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	30.66 3.34 2.02	2.58
07 41 13 00-0026 LF 9" To 12" Girth, Eave Or Gable Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	18.89 2.23 1.19	1.79
07 41 13 00-0027 LF Valley Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	38.66 3.34 2.82	2.58
07 41 13 00-0028 LF Hip Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	31.39 3.34 2.09	2.58
<b>07 41 13 00-0029 Standing Seam Roofs</b> (07 41 13)		
<p>Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.</p>		
<b>07 41 13 00-0030 Galvanized Steel Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0029)		
<p>Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.</p>		
<b>07 41 13 00-0031 Galvanized Steel Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0030)		
07 41 13 00-0032 SF Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	12.69 1.58 0.68 1.61 3.17 1.90 0.32	2.64
07 41 13 00-0033 SF Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	13.39 1.58 0.69 1.64 3.35 2.01 0.33	2.64
07 41 13 00-0034 SF Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	12.08 1.58 0.66 1.58 3.02 1.81 0.30	2.64
07 41 13 00-0035 SF Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	12.32 1.58 0.67 1.59 3.08 1.85 0.31	2.64

**07 Thermal And Moisture Protection****07 40 Roofing and Siding Panels****07 41 Roof Panels**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0036	SF		Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing.....	12.60	2.64
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.58	
			<i>For 140 MPH Wind Load, Add</i>	0.67	
			<i>For Panels &lt;16" Wide, Add</i>	1.60	
			<i>For Up To 1,500, Add</i>	3.15	
			<i>For &gt;1,500 To 5,000, Add</i>	1.89	
			<i>For &gt;5,000 To 10,000, Add</i>	0.32	
07 41 13 00-0037	SF		Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing.....	13.61	2.64
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.58	
			<i>For 140 MPH Wind Load, Add</i>	0.69	
			<i>For Panels &lt;16" Wide, Add</i>	1.66	
			<i>For Up To 1,500, Add</i>	3.40	
			<i>For &gt;1,500 To 5,000, Add</i>	2.04	
			<i>For &gt;5,000 To 10,000, Add</i>	0.34	
<b>07 41 13 00-0038</b>			<b>Accessories For Galvanized Steel Standing Seam Roofing</b> (07 41 13 00-0030)		
07 41 13 00-0039	LF		Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing.....	28.37	2.58
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.14	
			<i>For 140 MPH Wind Load, Add</i>	1.40	
07 41 13 00-0040	LF		9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing.....	17.59	1.79
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.09	
			<i>For 140 MPH Wind Load, Add</i>	0.91	
07 41 13 00-0041	LF		Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing .....	35.41	2.58
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.14	
			<i>For 140 MPH Wind Load, Add</i>	1.54	
07 41 13 00-0042	LF		Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing.....	29.01	2.58
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.14	
			<i>For 140 MPH Wind Load, Add</i>	1.42	
<b>07 41 13 00-0043</b>			<b>Aluminum Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0029)		
			Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
<b>07 41 13 00-0044</b>			<b>Aluminum Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0043)		
07 41 13 00-0045	SF		Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing.....	13.18	2.64
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.58	
			<i>For 140 MPH Wind Load, Add</i>	0.69	
			<i>For Panels &lt;16" Wide, Add</i>	1.63	
			<i>For Up To 1,500, Add</i>	3.30	
			<i>For &gt;1,500 To 5,000, Add</i>	1.98	
			<i>For &gt;5,000 To 10,000, Add</i>	0.33	
07 41 13 00-0046	SF		Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing.....	13.78	2.64
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.58	
			<i>For 140 MPH Wind Load, Add</i>	0.70	
			<i>For Panels &lt;16" Wide, Add</i>	1.66	
			<i>For Up To 1,500, Add</i>	3.45	
			<i>For &gt;1,500 To 5,000, Add</i>	2.07	
			<i>For &gt;5,000 To 10,000, Add</i>	0.34	
07 41 13 00-0047	SF		Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing .....	12.84	2.64
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.58	
			<i>For 140 MPH Wind Load, Add</i>	0.68	
			<i>For Panels &lt;16" Wide, Add</i>	1.62	
			<i>For Up To 1,500, Add</i>	3.21	
			<i>For &gt;1,500 To 5,000, Add</i>	1.93	
			<i>For &gt;5,000 To 10,000, Add</i>	0.32	
07 41 13 00-0048	SF		Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing .....	13.94	2.64
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.58	
			<i>For 140 MPH Wind Load, Add</i>	0.70	
			<i>For Panels &lt;16" Wide, Add</i>	1.67	
			<i>For Up To 1,500, Add</i>	3.49	
			<i>For &gt;1,500 To 5,000, Add</i>	2.09	
			<i>For &gt;5,000 To 10,000, Add</i>	0.35	
<b>07 41 13 00-0049</b>			<b>Accessories For Aluminum Standing Seam Roofing</b> (07 41 13 00-0043)		
07 41 13 00-0050	LF		Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	32.68	2.58
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.14	
			<i>For 140 MPH Wind Load, Add</i>	1.49	
07 41 13 00-0051	LF		9" To 12" Girth, Eave Or Gable Flashing For Aluminum Standing Seam Concealed Fastener Roofing .....	20.08	1.79
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.09	
			<i>For 140 MPH Wind Load, Add</i>	0.96	
07 41 13 00-0052	LF		Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing .....	41.48	2.58
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.14	
			<i>For 140 MPH Wind Load, Add</i>	1.67	
07 41 13 00-0053	LF		Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	33.49	2.58
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.14	
			<i>For 140 MPH Wind Load, Add</i>	1.51	
<b>07 41 13 00-0054</b>			<b>Stainless Steel Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0029)		
<b>07 41 13 00-0055</b>			<b>Stainless Steel Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0054)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0056 SF Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For Up To 5000, Add</i> <i>For &gt; 5000 To 10000, Add</i> <i>For Panels &lt; 16" Wide, Add</i>	25.00 2.38 1.13 6.25 2.50 0.63 2.72	3.17
07 41 13 00-0057 SF Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For Up To 5000, Add</i> <i>For &gt; 5000 To 10000, Add</i> <i>For Panels &lt; 16" Wide, Add</i>	28.63 2.38 1.21 7.16 2.86 0.72 2.90	3.17
07 41 13 00-0058 SF Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For Up To 5000, Add</i> <i>For &gt; 5000 To 10000, Add</i> <i>For Panels &lt; 16" Wide, Add</i>	32.94 2.38 1.29 8.24 3.29 0.82 3.11	3.17
07 41 13 00-0059 SF Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For Up To 5000, Add</i> <i>For &gt; 5000 To 10000, Add</i> <i>For Panels &lt; 16" Wide, Add</i>	38.46 2.38 1.40 9.62 3.85 0.96 3.39	3.17
<b>07 41 13 00-0060 Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing</b> <small>(07 41 13 00-0054)</small>		
07 41 13 00-0061 LF Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	78.25 3.47 2.49	2.89
07 41 13 00-0062 LF 9" To 12" Girth, Eave Or Gable Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	42.06 2.30 1.45	1.89
07 41 13 00-0063 LF Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	108.69 3.44 3.09	2.89
07 41 13 00-0064 LF Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	80.66 3.47 2.54	2.89
<b>07 41 13 00-0065 Metal Roof Surfacing</b> <small>(07 41 13)</small>		
07 41 13 00-0066 SF Acrylic, Metal Roof Primer, One Coat ..... <i>For Steep Roof, Over 7 To 12, Add</i>	0.45 0.06	
07 41 13 00-0067 SF Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat ..... <i>Note: 55% solids by volume.</i> <i>For Steep Roof, Over 7 To 12, Add</i>	0.69 0.06	
<b>07 41 16 Insulated Metal Roof Panels</b> <small>(07 41)</small>		
07 41 16 00-0001 Standing Seam Polyurethane Insulated Metal Roof Panels <small>(07 41 16)</small>		
07 41 16 00-0002 Standing Seam Polyurethane Insulated Metal Roof Panel <small>(07 41 16 00-0001)</small> <i>Note: Exterior face gauge shall be 24 gauge, galvanized steel; Interior liner shall be 24 gauge. Galvalume® AZ-55 coating designation with texture; Non-CFC polyurethane foam core.</i>		
07 41 16 00-0003 SF 2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	25.26	4.10
07 41 16 00-0004 SF 2-1/2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	27.83	4.43
07 41 16 00-0005 SF 3" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	29.55	4.81
07 41 16 00-0006 SF 4" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	30.95	5.08
07 41 16 00-0007 SF 5" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	32.42	5.36
07 41 16 00-0008 SF 6" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	33.64	5.63
<b>07 41 33 Plastic Roof Panels</b> <small>(07 41)</small>		
07 41 33 00-0001 Polyvinyl Chloride (PVC) Roofing Panels <small>(07 41 33)</small>		
07 41 33 00-0002 Polyvinyl Chloride (PVC) Roofing Panels <small>(07 41 33 00-0001)</small>		
07 41 33 00-0003 SF Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide.....	5.50	1.96
07 41 33 00-0004 SF Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide.....	5.23	1.77
07 41 33 00-0005 SF Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide.....	5.67	1.96
07 41 33 00-0006 SF Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide.....	5.37	1.77
07 41 33 00-0007 Polyvinyl Chloride (PVC) Roofing Accessories <small>(07 41 33 00-0001)</small>		
07 41 33 00-0008 LF 1" "J" Channel, Starter Strip Trim.....	3.43	1.47
07 41 33 00-0009 LF 3-1/2" "J" Channel, Starter Strip Trim.....	4.76	1.47
07 41 33 00-0010 LF Outside Corner Post, 7/8" Pocket.....	5.15	1.47

**07 Thermal And Moisture Protection****07 40 Roofing and Siding Panels****07 41 Roof Panels**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 33 00-0011 LF Inside Corner Post, 7/8" Pocket.....	4.11	1.47
<b>07 41 33 00-0012 Fiberglass Roofing Panel (07 41 33)</b>		
<b>07 41 33 00-0013 Corrugated Panels (07 41 33 00-0012)</b>		
07 41 33 00-0014 SF 8 Ounce Corrugated Fiberglass Panel.....	5.93	1.57
07 41 33 00-0015 SF 12 Ounce Corrugated Fiberglass Panel.....	6.83	1.57
<b>07 42 Wall Panels (07 40)</b>		
<b>07 42 13 Metal Wall Panels (07 42)</b>		
<b>07 42 13 19 Insulated Metal Wall Panels (07 42 13)</b>		
<b>07 42 13 19-0001 Insulated Panels For Sash/Window Replacement (07 42 13 19)</b>		
Note: Porcelain or polymer finish on aluminum panel with polystyrene core.		
07 42 13 19-0002 SF 1" Insulated Panel For Sash Or Window Replacement.....	21.41	4.36
For Non-Insulated Panels, Deduct	-3.16	
07 42 13 19-0003 SF 1-1/4" Insulated Panel For Sash Or Window Replacement.....	23.21	4.90
For Non-Insulated Panels, Deduct	-3.37	
07 42 13 19-0004 SF 1-3/4" Insulated Panel For Sash Or Window Replacement.....	24.83	5.45
For Non-Insulated Panels, Deduct	-3.59	
07 42 13 19-0005 SF 2-1/4" Insulated Panel For Sash Or Window Replacement.....	26.58	5.67
For Non-Insulated Panels, Deduct	-3.81	
07 42 13 19-0006 SF 3-1/4" Insulated Panel For Sash Or Window Replacement.....	30.08	6.21
For Non-Insulated Panels, Deduct	-4.43	
07 42 13 19-0007 SF 4-1/4" Insulated Panel For Sash Or Window Replacement.....	34.86	6.87
For Non-Insulated Panels, Deduct	-5.31	
<b>07 42 13 23 Metal Composite Material Wall Panels (07 42 13)</b>		
<b>07 42 13 23-0001 24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels (07 42 13 23)</b>		
Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Metl-Span Corporation.		
07 42 13 23-0002 SF 2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels.....	21.29	2.29
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
07 42 13 23-0003 SF 2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels.....	23.82	2.58
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
07 42 13 23-0004 SF 3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels.....	25.95	2.94
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
07 42 13 23-0005 SF 4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels.....	28.77	3.88
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
<b>07 42 63 Fabricated Wall Panel Assemblies (07 42)</b>		
<b>07 42 63 00-0001 Insulated Freezer And Chiller Panels (07 42 63)</b>		
Note: Excludes suspension system for ceiling support.		
<b>07 42 63 00-0002 Polyurethane Sandwich Panel (07 42 63 00-0001)</b>		
Note: With 22 gauge galvanized sheet metal face excludes painting.		
07 42 63 00-0003 SF 2" 22 Gauge Freezer Panel Sheet Metal Both Faces.....	23.94	1.64
07 42 63 00-0004 SF 3" 22 Gauge Freezer Panel Sheet Metal Both Faces.....	25.41	1.64
07 42 63 00-0005 SF 4" 22 Gauge Freezer Panel Sheet Metal Both Faces.....	30.43	1.64
07 42 63 00-0006 SF 5" 22 Gauge Freezer Panel Sheet Metal Both Faces.....	32.99	1.74
07 42 63 00-0007 SF 6" 22 Gauge Freezer Panel Sheet Metal Both Faces.....	35.08	1.74
07 42 63 00-0008 SF 2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner).....	21.49	1.35
07 42 63 00-0009 SF 3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner).....	23.47	1.35
07 42 63 00-0010 SF 4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner).....	28.46	1.44
07 42 63 00-0011 SF 5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner).....	27.55	1.44
07 42 63 00-0012 SF 6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner).....	32.56	1.44
<b>07 42 63 00-0013 Polyurethane Sandwich Panel (07 42 63 00-0001)</b>		
Note: With .040 aluminum baked enamel finish.		
07 42 63 00-0014 SF 2" Freezer Panel 0.040" Aluminum Finish Both Faces.....	10.34	1.64
07 42 63 00-0015 SF 3" Freezer Panel 0.040" Aluminum Finish Both Faces.....	10.98	1.64
07 42 63 00-0016 SF 4" Freezer Panel 0.040" Aluminum Finish Both Faces.....	12.68	1.64
07 42 63 00-0017 SF 5" Freezer Panel 0.040" Aluminum Finish Both Faces.....	13.75	1.74
07 42 63 00-0018 SF 6" Freezer Panel 0.040" Aluminum Finish Both Faces.....	14.51	1.74
07 42 63 00-0019 SF 2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel).....	9.22	1.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 42 63 00-0020 SF 3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	9.87	1.35
07 42 63 00-0021 SF 4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	10.57	1.44
07 42 63 00-0022 SF 5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	12.27	1.44
07 42 63 00-0023 SF 6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	13.32	1.44

**07 42 93 Soffit Panels (07 42)**

**07 42 93 00-0001 Aluminum Soffit And Fascia (07 42 93)**

Note: Excludes J-channel.

07 42 93 00-0002 LF 6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit .....	4.51	1.52
For 0.015" Thick, Deduct	-0.09	
07 42 93 00-0003 LF 10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit .....	5.63	1.61
For 0.015" Thick, Deduct	-0.16	
07 42 93 00-0004 LF 1" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit .....	6.20	1.65
For 0.015" Thick, Deduct	-0.21	
07 42 93 00-0005 LF 1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit .....	7.82	1.74
For 0.015" Thick, Deduct	-0.30	
07 42 93 00-0006 LF 2" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit .....	9.62	1.90
For 0.015" Thick, Deduct	-0.42	
07 42 93 00-0007 LF 3" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit .....	12.90	2.09
For 0.015" Thick, Deduct	-0.62	
07 42 93 00-0008 LF 4" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit .....	16.22	2.31
For 0.015" Thick, Deduct	-0.83	
07 42 93 00-0009 LF 5" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit .....	19.59	2.53
For 0.015" Thick, Deduct	-1.06	
07 42 93 00-0010 LF 4" Exposure, 0.024" Thick, Aluminum Fascia .....	5.36	1.49
07 42 93 00-0011 LF 6" Exposure, 0.024" Thick, Aluminum Fascia .....	5.88	1.52
07 42 93 00-0012 LF 8" Exposure, 0.024" Thick, Aluminum Fascia .....	6.95	1.57
07 42 93 00-0013 LF 10" Exposure, 0.024" Thick, Aluminum Fascia .....	8.09	1.61

**07 46 Siding (07 40)**

**07 46 16 Aluminum Siding (07 46)**

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

**07 46 16 00-0001 Aluminum Coil Stock Cladding (07 46 16)**

Note: Per SF of board, includes overlappage.

07 46 16 00-0002 SF 0.016" Thick, Aluminum Clad Siding .....	11.15	3.50
07 46 16 00-0003 SF 0.019" Thick, Aluminum Clad Siding .....	11.31	3.50
07 46 16 00-0004 SF 0.024" Thick, Aluminum Clad Siding .....	11.58	3.50

**07 46 16 00-0005 Aluminum Siding Panels (07 46 16)**

**07 46 16 00-0006 Corrugated Aluminum Siding Panels (07 46 16 00-0005)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0007 SF 0.019", Painted Finish, Corrugated Aluminum Siding Panel .....	8.26	1.99
07 46 16 00-0008 SF 0.021", Painted Finish, Corrugated Aluminum Siding Panel .....	8.64	1.99
07 46 16 00-0009 SF 0.024", Painted Finish, Corrugated Aluminum Siding Panel .....	9.83	1.99
07 46 16 00-0010 SF 0.032", Painted Finish, Corrugated Aluminum Siding Panel .....	12.16	1.99

**07 46 16 00-0011 V- Beam Aluminum Siding Panels (07 46 16 00-0005)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0012 SF 0.032", Painted Finish, V- Beam Aluminum Siding Panel .....	12.06	1.99
07 46 16 00-0013 SF 0.040", Painted Finish, V- Beam Aluminum Siding Panel .....	13.63	1.99
07 46 16 00-0014 SF 0.050", Painted Finish, V- Beam Aluminum Siding Panel .....	17.33	1.99

**07 46 16 00-0015 Box Ribbed Aluminum Siding Panels (07 46 16 00-0005)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0016 SF 0.032", Painted Finish, Box Ribbed Aluminum Siding Panel .....	12.76	1.99
07 46 16 00-0017 SF 0.040", Painted Finish, Box Ribbed Aluminum Siding Panel .....	14.26	1.99
07 46 16 00-0018 SF 0.050", Painted Finish, Box Ribbed Aluminum Siding Panel .....	15.19	1.99

**07 46 16 00-0019 Aluminum Siding Accessories (07 46 16)**

07 46 16 00-0020 LF 3/8" Pocket, Aluminum J-Channel .....	3.48	1.42
07 46 16 00-0021 LF 1/2" Pocket, Aluminum J-Channel .....	3.48	1.42
07 46 16 00-0022 LF 3/4" Pocket, Aluminum J-Channel .....	4.14	1.42
07 46 16 00-0023 LF 3/8" Pocket, Aluminum F-Channel .....	3.85	1.42
07 46 16 00-0024 LF 1/2" Pocket, Aluminum F-Channel .....	3.85	1.42

**07 46 19 Steel Siding (07 46)**

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

**07 46 19 00-0001 Steel Siding Panels (07 46 19)**

**07 46 19 00-0002 Corrugated Steel Siding Panels (07 46 19 00-0001)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

**07 Thermal And Moisture Protection****07 40 Roofing and Siding Panels****07 46 Siding**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 19 00-0003 SF 20 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	11.29	1.99
<i>For Galvanized Instead Of Painted Steel, Add</i>	1.83	
07 46 19 00-0004 SF 22 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	10.35	1.99
<i>For Galvanized Instead Of Painted Steel, Add</i>	1.59	
07 46 19 00-0005 SF 24 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	10.11	1.99
<i>For Galvanized Instead Of Painted Steel, Add</i>	1.53	
07 46 19 00-0006 SF 26 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	7.35	1.99
<i>For Galvanized Instead Of Painted Steel, Add</i>	0.84	
07 46 19 00-0007 SF 28 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	7.15	1.99
<i>For Galvanized Instead Of Painted Steel, Add</i>	0.79	
07 46 19 00-0008 SF 30 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	7.02	1.99
<i>For Galvanized Instead Of Painted Steel, Add</i>	0.76	
<b>07 46 19 00-0009 Box Ribbed Steel Siding Panels</b> <small>(07 46 19 00-0001)</small>		
Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0010 SF 20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel .....	10.58	1.99
<i>For Galvanized Instead Of Painted Steel, Add</i>	1.65	
07 46 19 00-0011 SF 22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel .....	10.16	1.99
<i>For Galvanized Instead Of Painted Steel, Add</i>	1.55	
07 46 19 00-0012 SF 24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel .....	9.88	1.99
<i>For Galvanized Instead Of Painted Steel, Add</i>	1.48	
07 46 19 00-0013 SF 26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel .....	9.41	1.99
<i>For Galvanized Instead Of Painted Steel, Add</i>	1.36	
07 46 19 00-0014 SF 28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel .....	8.40	1.99
<i>For Galvanized Instead Of Painted Steel, Add</i>	1.11	
<b>07 46 19 00-0015 Clapboard Steel Siding Panels</b> <small>(07 46 19 00-0001)</small>		
Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0016 SF 29 Gauge, Painted Finish, Clapboard Steel Siding Panel .....	9.11	1.00
<b>07 46 23 Wood Siding</b> <small>(07 46)</small>		
Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
<b>07 46 23 00-0001 Wood Lap Siding</b> <small>(07 46 23)</small>		
07 46 23 00-0002 LF 8" Wide Rough Sawn Cedar Lap Siding .....	4.00	1.49
07 46 23 00-0003 LF 10" Wide Rough Sawn Cedar Lap Siding .....	4.55	1.59
07 46 23 00-0004 LF 12" Wide Rough Sawn Cedar Lap Siding .....	5.12	1.69
07 46 23 00-0005 LF 6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade .....	4.30	1.49
07 46 23 00-0006 LF 6" To 8" Wide Spruce Lap Siding, #2 Or Better .....	4.82	1.49
07 46 23 00-0007 LF 6" To 8" Wide Western Red Cedar, B Grade Lap Siding .....	5.93	1.49
07 46 23 00-0008 LF 6" To 8" Wide Western Red Cedar, A Grade Lap Siding .....	6.36	1.49
07 46 23 00-0009 LF 6" To 8" Wide Clear Heart Redwood Lap Siding .....	5.74	1.49
07 46 23 00-0010 LF 1" x 8" Cedar Round Or Flat Front Siding, Log Cabin .....	4.34	1.59
07 46 23 00-0011 LF 1" x 8" Cedar Beveled Siding, Channel, Rustic .....	4.34	1.59
<b>07 46 23 00-0012 Tongue And Groove Siding</b> <small>(07 46 23)</small>		
07 46 23 00-0013 SF 1" x 6" Tongue And Groove Southern Yellow Pine Siding .....	4.00	1.49
07 46 23 00-0014 SF 1" x 8" Tongue And Groove Southern Yellow Pine Siding .....	4.46	1.49
07 46 23 00-0015 SF 1" x 6" 105 Southern Yellow Pine Siding .....	4.11	1.49
07 46 23 00-0016 SF 1" x 8" 105 Southern Yellow Pine Siding .....	4.73	1.49
<b>07 46 29 Plywood Siding</b> <small>(07 46)</small>		
Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
<b>07 46 29 00-0001 T-111 Siding</b> <small>(07 46 29)</small>		
07 46 29 00-0002 SF 5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud .....	3.48	0.77
<i>For Pressure Treated, Add</i>	0.18	
<b>07 46 33 Plastic Siding</b> <small>(07 46)</small>		
Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
<b>07 46 33 00-0001 Vinyl Siding</b> <small>(07 46 33)</small>		
Note: Includes standard manufacturer's colors.		
<b>07 46 33 00-0002 Vinyl Siding Panels</b> <small>(07 46 33 00-0001)</small>		
Note: Excludes J-channels, starter strips and trim.		
<b>07 46 33 00-0003 Horizontal Vinyl Siding Panels</b> <small>(07 46 33 00-0002)</small>		
Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.		
07 46 33 00-0004 SF 7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel .....	4.86	1.87
<i>For 0.040" Thick, Deduct</i>	-0.15	
<i>For 0.042" Thick, Deduct</i>	-0.07	
<i>For 0.046" Thick, Add</i>	0.98	
<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0005 SF 8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel .....	4.65	1.76
<i>For 0.040" Thick, Deduct</i>	-0.15	
<i>For 0.042" Thick, Deduct</i>	-0.07	
<i>For 0.046" Thick, Add</i>	0.98	
<i>For Manufacturer's Custom Colors, Add</i>	0.06	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0006 SF 9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	4.47	1.68
<i>For 0.040" Thick, Deduct</i>	-0.15	
<i>For 0.042" Thick, Deduct</i>	-0.07	
<i>For 0.046" Thick, Add</i>	0.98	
<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0007 SF 10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	4.31	1.60
<i>For 0.040" Thick, Deduct</i>	-0.15	
<i>For 0.042" Thick, Deduct</i>	-0.07	
<i>For 0.046" Thick, Add</i>	0.98	
<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0008 SF 12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	4.10	1.48
<i>For 0.040" Thick, Deduct</i>	-0.15	
<i>For 0.042" Thick, Deduct</i>	-0.07	
<i>For 0.046" Thick, Add</i>	0.98	
<i>For Manufacturer's Custom Colors, Add</i>	0.06	
<b>07 46 33 00-0009 Vertical Vinyl Siding Panels (07 46 33 00-0002)</b>		
07 46 33 00-0010 SF 7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel.....	5.73	1.87
<i>For Manufacturer's Custom Colors, Add</i>	0.10	
<b>07 46 33 00-0011 Vinyl Siding Accessories (07 46 33 00-0001)</b>		
07 46 33 00-0012 LF 3/4" Pocket, Outside Corner Post For Vinyl Siding.....	5.73	1.42
<i>For Manufacturer's Custom Colors, Add</i>	0.14	
07 46 33 00-0013 LF 1-1/8" Pocket, Outside Corner Post For Vinyl Siding.....	10.11	1.42
<i>For Manufacturer's Custom Colors, Add</i>	0.36	
07 46 33 00-0014 LF 3/4" Pocket, Inside Corner Post For Vinyl Siding.....	4.63	1.42
<i>For Manufacturer's Custom Colors, Add</i>	0.09	
07 46 33 00-0015 LF 1-1/8" Pocket, Inside Corner Post For Vinyl Siding.....	5.55	1.42
<i>For Manufacturer's Custom Colors, Add</i>	0.13	
07 46 33 00-0016 LF 3/8" Pocket, J-Channel For Vinyl Siding.....	3.51	1.42
<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0017 LF 1/2" Pocket, J-Channel For Vinyl Siding.....	3.30	1.42
<i>For Manufacturer's Custom Colors, Add</i>	0.03	
07 46 33 00-0018 LF 5/8" Pocket, J-Channel For Vinyl Siding.....	3.25	1.42
<i>For Manufacturer's Custom Colors, Add</i>	0.03	
07 46 33 00-0019 LF 3/4" Pocket, J-Channel For Vinyl Siding.....	3.39	1.42
<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0020 LF 1" Pocket, J-Channel For Vinyl Siding.....	3.99	1.42
<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0021 LF 1-1/4" Pocket, J-Channel For Vinyl Siding.....	4.31	1.42
<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0022 LF 2-1/2" Pocket, J-Channel For Vinyl Siding.....	4.86	1.42
<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0023 LF 1/2" Pocket, F-Channel For Vinyl Siding.....	3.29	1.42
<i>For Manufacturer's Custom Colors, Add</i>	0.05	
07 46 33 00-0024 LF 3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding.....	7.33	1.97
<i>For Manufacturer's Custom Colors, Add</i>	0.17	
07 46 33 00-0025 LF 3/4" Pocket, 5" Lineal Trim For Vinyl Siding.....	7.63	1.97
<i>For Manufacturer's Custom Colors, Add</i>	0.18	
07 46 33 00-0026 LF 1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding.....	8.31	1.97
<i>For Manufacturer's Custom Colors, Add</i>	0.22	
07 46 33 00-0027 LF 3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding.....	4.45	1.42
<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0028 LF Vinyl Starter Strip For Vinyl Siding.....	5.42	1.42
<i>For Manufacturer's Custom Colors, Add</i>	0.13	
07 46 33 00-0029 LF Undersill Trim For Vinyl Siding.....	4.72	1.42
<i>For Manufacturer's Custom Colors, Add</i>	0.09	
<b>07 46 33 00-0030 Vinyl Soffit And Fascia (07 46 33 00-0001)</b>		
Note: Excludes J-channel.		
07 46 33 00-0031 LF 6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	4.09	1.52
<i>For 0.038" Thick, Deduct</i>	-0.47	
<i>For 0.040" Thick, Deduct</i>	-0.38	
<i>For Manufacturer's Custom Colors, Add</i>	0.05	
07 46 33 00-0032 LF 10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	4.93	1.61
<i>For 0.038" Thick, Deduct</i>	-0.79	
<i>For 0.040" Thick, Deduct</i>	-0.66	
<i>For Manufacturer's Custom Colors, Add</i>	0.09	
07 46 33 00-0033 LF 1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	5.36	1.65
<i>For 0.038" Thick, Deduct</i>	-0.93	
<i>For 0.040" Thick, Deduct</i>	-0.78	
<i>For Manufacturer's Custom Colors, Add</i>	0.10	
07 46 33 00-0034 LF 1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	6.56	1.74
<i>For 0.038" Thick, Deduct</i>	-1.42	
<i>For 0.040" Thick, Deduct</i>	-1.19	
<i>For Manufacturer's Custom Colors, Add</i>	0.16	
07 46 33 00-0035 LF 2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	7.94	1.90
<i>For 0.038" Thick, Deduct</i>	-1.88	
<i>For 0.040" Thick, Deduct</i>	-1.59	
<i>For Manufacturer's Custom Colors, Add</i>	0.21	

**07 Thermal And Moisture Protection****07 40 Roofing and Siding Panels****07 46 Siding**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0036	LF	3'	Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	10.38 -2.83 -2.37 0.31	2.09
07 46 33 00-0037	LF	4'	Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	12.85 -3.78 -3.18 0.41	2.31
07 46 33 00-0038	LF	5'	Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	15.39 -4.73 -3.98 0.52	2.53
07 46 33 00-0039	LF	4"	Exposure, Vinyl Fascia ..... <i>For Manufacturer's Custom Colors, Add</i>	4.23 0.06	1.49
07 46 33 00-0040	LF	6"	Exposure, Vinyl Fascia ..... <i>For Manufacturer's Custom Colors, Add</i>	4.66 0.08	1.52
07 46 33 00-0041	LF	8"	Exposure, Vinyl Fascia ..... <i>For Manufacturer's Custom Colors, Add</i>	4.63 0.07	1.57
07 46 33 00-0042	LF	10"	Exposure, Vinyl Fascia ..... <i>For Manufacturer's Custom Colors, Add</i>	5.23 0.10	1.61
<b>07 46 33 00-0043</b>			<b>Fiberglass Siding</b> (07 46 33)		
<b>07 46 33 00-0044</b>			<b>Corrugated Panels</b> (07 46 33 00-0043)		
07 46 33 00-0045	SF	6 Ounce	Corrugated Fiberglass Panels.....	6.35	2.20
07 46 33 00-0046	SF	8 Ounce	Corrugated Fiberglass Panels.....	6.73	1.97
07 46 33 00-0047	SF	12 Ounce	Corrugated Fiberglass Panels.....	7.42	1.97
<b>07 46 33 00-0048</b>			<b>Flat Panels</b> (07 46 33 00-0043)		
07 46 33 00-0049	SF	6 Ounce	Flat Fiberglass Panels.....	6.11	1.97
07 46 33 00-0050	SF	8 Ounce	Flat Fiberglass Panels.....	6.73	1.97
<b>07 46 46</b>			<b>Fiber-Cement Siding</b> (07 46)		
			Note: Smooth or patterns. Includes sealer and primer.		
<b>07 46 46 00-0001</b>			<b>5/16" Thick, Fiber Cement Lap Siding</b> (07 46 46)		
07 46 46 00-0002	SF	5-1/4"	Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	6.69	2.31
07 46 46 00-0003	SF	6-1/4"	Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	6.37	2.20
07 46 46 00-0004	SF	7-1/4"	Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	6.23	2.14
07 46 46 00-0005	SF	8-1/4"	Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	6.08	2.08
07 46 46 00-0006	SF	9-1/2"	Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	5.82	1.97
07 46 46 00-0007	SF	12"	Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	5.55	1.87
07 46 46 00-0008	LF		Starter Strip, Fiber Cement Lap Siding.....	1.46	0.55
<b>07 46 46 00-0009</b>			<b>Fiber Cement Shingle Siding</b> (07 46 46)		
07 46 46 00-0010	SF		Fiber Cement Shingle Siding.....	10.44	2.03
<b>07 46 46 00-0011</b>			<b>Fiber Cement Vertical Panel Siding</b> (07 46 46)		
07 46 46 00-0012	SF		Fiber Cement Vertical Panel Siding.....	4.93	1.65
<b>07 46 46 00-0013</b>			<b>Fiber Cement Trim Boards</b> (07 46 46)		
<b>07 46 46 00-0014</b>			<b>7/16" Thick, Fiber Cement Trim Boards</b> (07 46 46 00-0013)		
07 46 46 00-0015	LF	4"	Wide, 7/16" Thick, Fiber Cement Trim Board.....	3.21	1.10
07 46 46 00-0016	LF	6"	Wide, 7/16" Thick, Fiber Cement Trim Board.....	4.11	1.21
07 46 46 00-0017	LF	8"	Wide, 7/16" Thick, Fiber Cement Trim Board.....	4.95	1.32
07 46 46 00-0018	LF	12"	Wide, 7/16" Thick, Fiber Cement Trim Board.....	6.53	1.53
<b>07 46 46 00-0019</b>			<b>3/4" Thick Fiber Cement Trim Boards</b> (07 46 46 00-0013)		
07 46 46 00-0020	LF	4"	Wide, 3/4" Thick, Fiber Cement Trim Board.....	3.38	1.10
07 46 46 00-0021	LF	6"	Wide, 3/4" Thick, Fiber Cement Trim Board.....	4.36	1.21
07 46 46 00-0022	LF	8"	Wide, 3/4" Thick, Fiber Cement Trim Board.....	5.37	1.32
07 46 46 00-0023	LF	12"	Wide, 3/4" Thick, Fiber Cement Trim Board.....	5.60	1.53
<b>07 46 46 00-0024</b>			<b>1" Thick Fiber Cement Trim Boards</b> (07 46 46 00-0013)		
07 46 46 00-0025	LF	4"	Wide, 1" Thick, Fiber Cement Trim Board.....	3.59	1.10
07 46 46 00-0026	LF	6"	Wide, 1" Thick, Fiber Cement Trim Board.....	4.74	1.21
07 46 46 00-0027	LF	8"	Wide, 1" Thick, Fiber Cement Trim Board.....	5.92	1.32
07 46 46 00-0028	LF	12"	Wide, 1" Thick, Fiber Cement Trim Board.....	7.92	1.53
<b>07 46 46 00-0029</b>			<b>Fiber Cement Fascia Board</b> (07 46 46)		
07 46 46 00-0030	LF	5/4" x 3-1/2"	Fiber Cement Fascia Board.....	6.21	2.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 46 00-0031 LF 5/4" x 5-1/2" Fiber Cement Fascia Board.....	7.79	2.42
07 46 46 00-0032 LF 5/4" x 7-1/4" Fiber Cement Fascia Board.....	8.72	2.42
07 46 46 00-0033 LF 5/4" x 11-1/4" Fiber Cement Fascia Board.....	11.59	2.84
<b>07 46 46 00-0034 Fiber Cement Soffit Boards (07 46 46)</b>		
07 46 46 00-0035 SF 1/4" Thick, Non Vented Fiber Cement Soffit.....	7.01	1.57
07 46 46 00-0036 SF 1/4" Thick, Vented Fiber Cement Soffit.....	7.51	1.57
<b>07 46 63 Fabricated Panel Assemblies with Siding (07 46)</b>		
<b>07 46 63 00-0001 Metal Liner Panels (07 46 63)</b>		
<b>07 46 63 00-0002 Galvanized (07 46 63 00-0001)</b>		
07 46 63 00-0003 SF 24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel .....	9.94	1.69
07 46 63 00-0004 SF 22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel .....	11.00	1.69
07 46 63 00-0005 SF 20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel .....	12.86	1.69
07 46 63 00-0006 SF 18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel .....	13.06	1.69
<b>07 50 Membrane Roofing (07)</b>		
See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.		
<b>07 51 Built-Up Bituminous Roofing (07 50)</b>		
<b>07 51 13 Built-Up Asphalt Roofing (07 51)</b>		
07 51 13 00-0001 Built-Up Asphalt Roofing Components (07 51 13)		
07 51 13 00-0002 Built-Up Asphalt Membrane Roofing (07 51 13 00-0001) Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.		
07 51 13 00-0003 Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002) Note: Includes applying cold adhesive and embedding the membrane.		
07 51 13 00-0004 Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0003)		
07 51 13 00-0005 SQ Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied .....	111.51	
For Up To 10, Add	28.57	
For >10 To 20, Add	15.85	
For >20 To 40, Add	8.71	
For >75 To 100, Deduct	-4.35	
For >100 To 200, Deduct	-9.49	
For >200, Deduct	-13.85	
07 51 13 00-0006 SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied .....	320.46	
For Up To 10, Add	70.36	
For >10 To 20, Add	36.75	
For >20 To 40, Add	19.16	
For >75 To 100, Deduct	-9.58	
For >100 To 200, Deduct	-19.94	
For >200, Deduct	-29.52	
07 51 13 00-0007 Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing (07 51 13 00-0003)		
07 51 13 00-0008 SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied.....	7.42	
07 51 13 00-0009 Hot-Mopped, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002) Note: Includes mopping hot asphalt and embedding the membrane.		
07 51 13 00-0010 Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0009)		
07 51 13 00-0011 SQ Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	80.33	
For Up To 10, Add	22.46	
For >10 To 20, Add	12.83	
For >20 To 40, Add	7.21	
For >75 To 100, Deduct	-3.61	
For >100 To 200, Deduct	-8.01	
For >200, Deduct	-11.62	
07 51 13 00-0012 SQ Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	86.29	
For Up To 10, Add	23.65	
For >10 To 20, Add	13.43	
For >20 To 40, Add	7.51	
For >75 To 100, Deduct	-3.76	
For >100 To 200, Deduct	-8.31	
For >200, Deduct	-12.07	
07 51 13 00-0013 SQ Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped.....	93.06	
For Up To 10, Add	25.01	
For >10 To 20, Add	14.10	
For >20 To 40, Add	7.85	
For >75 To 100, Deduct	-3.93	
For >100 To 200, Deduct	-8.65	
For >200, Deduct	-12.58	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0014	SQ		Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped.....	168.13	
			<i>For Up To 10, Add</i>	40.02	
			<i>For &gt;10 To 20, Add</i>	21.61	
			<i>For &gt;20 To 40, Add</i>	11.60	
			<i>For &gt;75 To 100, Deduct</i>	-5.80	
			<i>For &gt;100 To 200, Deduct</i>	-12.40	
			<i>For &gt;200, Deduct</i>	-18.21	
07 51 13 00-0015	SQ		Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped .....	289.28	
			<i>For Up To 10, Add</i>	64.25	
			<i>For &gt;10 To 20, Add</i>	33.73	
			<i>For &gt;20 To 40, Add</i>	17.66	
			<i>For &gt;75 To 100, Deduct</i>	-8.83	
			<i>For &gt;100 To 200, Deduct</i>	-18.46	
			<i>For &gt;200, Deduct</i>	-27.29	
07 51 13 00-0016	SQ		Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped .....	217.00	
			<i>For Up To 10, Add</i>	50.41	
			<i>For &gt;10 To 20, Add</i>	26.95	
			<i>For &gt;20 To 40, Add</i>	14.35	
			<i>For &gt;75 To 100, Deduct</i>	-7.18	
			<i>For &gt;100 To 200, Deduct</i>	-15.23	
			<i>For &gt;200, Deduct</i>	-22.41	
07 51 13 00-0017			<b>Hot-Mopped, Built-Up Asphalt Roofing Flashing</b> (07 51 13 00-0009)		
07 51 13 00-0018	SF		Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped .....	4.58	
07 51 13 00-0019			<b>Mechanically Fastened, Built-Up Asphalt Membrane Roofing</b> (07 51 13 00-0002)		
			Note: Includes fasteners.		
07 51 13 00-0020			<b>Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets</b> (07 51 13 00-0019)		
07 51 13 00-0021	SQ		Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened.....	88.26	
			<i>For Up To 10, Add</i>	20.78	
			<i>For &gt;10 To 20, Add</i>	11.18	
			<i>For &gt;20 To 40, Add</i>	5.98	
			<i>For &gt;75 To 100, Deduct</i>	-2.99	
			<i>For &gt;100 To 200, Deduct</i>	-6.37	
			<i>For &gt;200, Deduct</i>	-9.36	
07 51 13 00-0022	SQ		Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened.....	170.10	
			<i>For Up To 10, Add</i>	37.15	
			<i>For &gt;10 To 20, Add</i>	19.36	
			<i>For &gt;20 To 40, Add</i>	10.07	
			<i>For &gt;75 To 100, Deduct</i>	-5.04	
			<i>For &gt;100 To 200, Deduct</i>	-10.46	
			<i>For &gt;200, Deduct</i>	-15.50	
07 51 13 00-0023	SQ		Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened.....	291.25	
			<i>For Up To 10, Add</i>	61.38	
			<i>For &gt;10 To 20, Add</i>	31.47	
			<i>For &gt;20 To 40, Add</i>	16.13	
			<i>For &gt;75 To 100, Deduct</i>	-8.06	
			<i>For &gt;100 To 200, Deduct</i>	-16.52	
			<i>For &gt;200, Deduct</i>	-24.58	
07 51 13 00-0024			<b>Mechanically Fastened, Built-Up Asphalt Roofing Flashing</b> (07 51 13 00-0019)		
07 51 13 00-0025	SF		Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened .....	5.62	
07 51 13 00-0026			<b>Asphalt Saturated Organic Felt</b> (07 51 13 00-0001)		
07 51 13 00-0027			<b>Cold Adhesive Applied, Asphalt Saturated Organic Felt</b> (07 51 13 00-0026)		
			Note: Includes applying cold adhesive and embedding the felt.		
07 51 13 00-0028	SQ		15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied.....	107.78	
			<i>For Up To 10, Add</i>	27.82	
			<i>For &gt;10 To 20, Add</i>	15.48	
			<i>For &gt;20 To 40, Add</i>	8.52	
			<i>For &gt;75 To 100, Deduct</i>	-4.26	
			<i>For &gt;100 To 200, Deduct</i>	-9.31	
			<i>For &gt;200, Deduct</i>	-13.57	
07 51 13 00-0029	SQ		30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied.....	123.14	
			<i>For Up To 10, Add</i>	30.90	
			<i>For &gt;10 To 20, Add</i>	17.02	
			<i>For &gt;20 To 40, Add</i>	9.29	
			<i>For &gt;75 To 100, Deduct</i>	-4.65	
			<i>For &gt;100 To 200, Deduct</i>	-10.07	
			<i>For &gt;200, Deduct</i>	-14.72	
07 51 13 00-0030			<b>Hot-Mopped, Asphalt Saturated Organic Felt</b> (07 51 13 00-0026)		
			Note: Includes mopping hot asphalt and embedding the felt.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0031 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped .....	76.60	
For Up To 10, Add	21.72	
For >10 To 20, Add	12.46	
For >20 To 40, Add	7.03	
For >75 To 100, Deduct	-3.51	
For >100 To 200, Deduct	-7.83	
For >200, Deduct	-11.34	
07 51 13 00-0032 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped .....	91.97	
For Up To 10, Add	24.79	
For >10 To 20, Add	13.99	
For >20 To 40, Add	7.80	
For >75 To 100, Deduct	-3.90	
For >100 To 200, Deduct	-8.60	
For >200, Deduct	-12.49	
<b>07 51 13 00-0033 Mechanically Fastened, Asphalt Saturated Organic Felt</b> <small>(07 51 13 00-0026)</small>		
Note: Includes fasteners.		
07 51 13 00-0034 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened .....	38.53	
For Up To 10, Add	10.84	
For >10 To 20, Add	6.20	
For >20 To 40, Add	3.49	
For >75 To 100, Deduct	-1.75	
For >100 To 200, Deduct	-3.88	
For >200, Deduct	-5.63	
07 51 13 00-0035 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened .....	53.89	
For Up To 10, Add	13.91	
For >10 To 20, Add	7.74	
For >20 To 40, Add	4.26	
For >75 To 100, Deduct	-2.13	
For >100 To 200, Deduct	-4.65	
For >200, Deduct	-6.78	
<b>07 51 13 00-0036 Surfacing</b> <small>(07 51 13 00-0001)</small>		
07 51 13 00-0037 SQ 400 LB/SQ Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat .....	167.13	
For Up To 10, Add	49.10	
For >10 To 20, Add	28.47	
For >20 To 40, Add	16.19	
For >75 To 100, Deduct	-8.10	
For >100 To 200, Deduct	-18.15	
For >200, Deduct	-26.25	
07 51 13 00-0038 SQ 400 LB/SQ Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat.....	257.55	
For Up To 10, Add	67.18	
For >10 To 20, Add	37.51	
For >20 To 40, Add	20.71	
For >75 To 100, Deduct	-10.36	
For >100 To 200, Deduct	-22.67	
For >200, Deduct	-33.03	
07 51 13 00-0039 CY Gravel Roofing Ballast, Spread To Desired Thickness .....	168.86	
Note: Excludes hot asphalt or cold adhesive.		
07 51 13 00-0040 SQ Protective Polypropylene Fabric Mat, Loose Laid.....	49.37	
Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.		
For Up To 10, Add	11.94	
For >10 To 20, Add	6.49	
For >20 To 40, Add	3.50	
For >75 To 100, Deduct	-1.75	
For >100 To 200, Deduct	-3.76	
For >200, Deduct	-5.51	
07 51 13 00-0041 SQ Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat .....	129.98	
Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.		
For Up To 10, Add	29.76	
For >10 To 20, Add	15.82	
For >20 To 40, Add	8.38	
For >75 To 100, Deduct	-4.19	
For >100 To 200, Deduct	-8.85	
For >200, Deduct	-13.04	
07 51 13 00-0042 SQ Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat.....	115.02	
Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.		
For Up To 10, Add	26.77	
For >10 To 20, Add	14.32	
For >20 To 40, Add	7.63	
For >75 To 100, Deduct	-3.82	
For >100 To 200, Deduct	-8.10	
For >200, Deduct	-11.92	
07 51 13 00-0043 SQ Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat.....	155.83	
Note: Reflective coating for use over smooth-surfaced built-up roofs.		
For Up To 10, Add	34.93	
For >10 To 20, Add	18.40	
For >20 To 40, Add	9.67	
For >75 To 100, Deduct	-4.84	
For >100 To 200, Deduct	-10.14	
For >200, Deduct	-14.98	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0044	SQ		100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat.....157.16 Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
			<i>For Up To 10, Add</i>	35.19	
			<i>For &gt;10 To 20, Add</i>	18.54	
			<i>For &gt;20 To 40, Add</i>	9.74	
			<i>For &gt;75 To 100, Deduct</i>	-4.87	
			<i>For &gt;100 To 200, Deduct</i>	-10.21	
			<i>For &gt;200, Deduct</i>	-15.08	
			<i>For Installation Over Granule Surfaced Asphalt Roof Systems, Add</i>	47.54	
07 51 13 00-0045	SQ		100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat.....162.66 Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
			<i>For Up To 10, Add</i>	36.29	
			<i>For &gt;10 To 20, Add</i>	19.09	
			<i>For &gt;20 To 40, Add</i>	10.01	
			<i>For &gt;75 To 100, Deduct</i>	-5.01	
			<i>For &gt;100 To 200, Deduct</i>	-10.48	
			<i>For &gt;200, Deduct</i>	-15.49	
			<i>For Installation Over Granule Surfaced Asphalt Roof Systems, Add</i>	49.35	
07 51 13 00-0046	SF		Ceramic Coated Roofing Granules, Hand Broadcast.....2.44 Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0047	SF		Energy Star, Ceramic Coated UltraWhite Roofing Granules, Hand Broadcast.....4.24 Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0048	SQ		Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™).....36.60		
<b>07 51 13 00-0049</b>			<b>Walkway Pads</b> (07 51 13 00-0001) Note: Set in hot asphalt or cold adhesive.		
07 51 13 00-0050	LF		5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad.....32.69		
07 51 13 00-0051	LF		1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad.....39.13		
<b>07 51 13 00-0052</b>			<b>Cant And Tapered Edge Strips</b> (07 51 13 00-0001)		
07 51 13 00-0053	LF		2" x 2" Perlite Cant Strip .....3.91		
07 51 13 00-0054	LF		3" x 3" Perlite Cant Strip .....4.06		
07 51 13 00-0055	LF		4" x 4" Perlite Cant Strip .....4.76		
07 51 13 00-0056	LF		3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally .....3.85		
07 51 13 00-0057	LF		4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally .....4.02		
07 51 13 00-0058	LF		1/2" x 6" Perlite Tapered Edge Strip .....4.36		
07 51 13 00-0059	LF		1/2" x 12" Perlite Tapered Edge Strip .....5.17		
07 51 13 00-0060	LF		1" x 12" Perlite Tapered Edge Strip .....5.38		
07 51 13 00-0061	LF		1" x 24" Perlite Tapered Edge Strip .....6.22		
07 51 13 00-0062	LF		1-1/2" x 12" Perlite Tapered Edge Strip .....6.14		
07 51 13 00-0063	LF		1-1/2" x 18" Perlite Tapered Edge Strip .....7.66		
07 51 13 00-0064	LF		1-1/2" x 24" Perlite Tapered Edge Strip .....8.77		
<b>07 51 13 00-0065</b>			<b>Asphalt Primer</b> (07 51 13 00-0001)		
07 51 13 00-0066	SQ		Asphalt Primer For Roofing Systems.....33.75 Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.		
<b>07 51 13 00-0067</b>			<b>Demolish Built-Up Roofing</b> (07 51 13 00-0001) Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling.		
07 51 13 00-0068	SQ		Demolish Gravel/Slag Surfaced, Built Up Roofing System.....329.16		
			<i>For Up To 10, Add</i>	81.55	
			<i>For &gt;10 To 25, Add</i>	48.93	
07 51 13 00-0069	SQ		Demolish Cap Sheet Surfaced, Built Up Roofing System.....253.92 Note: Includes protective surfacing.		
			<i>For Up To 10, Add</i>	62.91	
			<i>For &gt;10 To 25, Add</i>	37.74	
<b>07 51 13 00-0070</b>			<b>Roofing System Warranty</b> (07 51 13 00-0001) Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.		
07 51 13 00-0071	EA		Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....611.24		
07 51 13 00-0072	SQ		>50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....8.73		
07 51 13 00-0073	EA		Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....698.56		
07 51 13 00-0074	SQ		>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....13.97		
07 51 13 00-0075	EA		Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....960.52		
07 51 13 00-0076	SQ		>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....19.21		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0077			<b>Built-Up Roofing Components (Garland)</b> <small>(07 51 13)</small> Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0078			<b>Modified Cap Membranes</b> <small>(07 51 13 00-0077)</small>		
07 51 13 00-0079			<b>Modified Cap Membranes, Hot/Cold Applied</b> <small>(07 51 13 00-0078)</small> Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0080	SQ		Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil.....	695.60	
07 51 13 00-0081	SQ		Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil.....	497.08	
07 51 13 00-0082	SQ		Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil.....	615.91	
07 51 13 00-0083	SQ		Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials.....	640.10	
07 51 13 00-0084	SQ		Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil.....	891.98	
07 51 13 00-0085	SQ		Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil.....	1,002.98	
07 51 13 00-0086	SQ		Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil..... Note: Low strength cap sheet for hot or cold modified systems used with gravel.	420.86	
07 51 13 00-0087	SQ		Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil.....	530.53	
07 51 13 00-0088	SQ		BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil.....	323.67	
07 51 13 00-0089			<b>Modified Cap Membranes, Self-Adhering</b> <small>(07 51 13 00-0078)</small> Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		
07 51 13 00-0090	SQ		Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil..... Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.	629.43	
07 51 13 00-0091			<b>Modified Cap Membranes, Torch-Applied</b> <small>(07 51 13 00-0078)</small> Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0092	SQ		Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil.....	775.30	
07 51 13 00-0093	SQ		Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel. Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil.....	843.61	
07 51 13 00-0094	SQ		Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil.....	889.14	
07 51 13 00-0095			<b>Modified Cap Membranes, Coal Tar Pitch Systems</b> <small>(07 51 13 00-0078)</small> Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0096	SQ		Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil.....	715.85	
07 51 13 00-0097	SQ		Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil.....	1,131.06	
07 51 13 00-0098	SQ		Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil.....	920.46	
07 51 13 00-0099			<b>Base Ply</b> <small>(07 51 13 00-0077)</small> Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems.		
07 51 13 00-0100	SQ		Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil.....	635.83	
07 51 13 00-0101	SQ		Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil.....	398.89	
07 51 13 00-0102	SQ		HPR® Glasbase Heavy Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil..... Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.	90.71	
07 51 13 00-0103	SQ		HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil..... Note: Inner ply felts for hot applied built up and modified BUR systems.	59.69	
07 51 13 00-0104	SQ		HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil.....	72.91	
07 51 13 00-0105	SQ		HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil.....	79.32	
07 51 13 00-0106	SQ		HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil..... Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.	124.56	
07 51 13 00-0107	SQ		Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil.....	405.63	
07 51 13 00-0108	SQ		HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil..... Note: Self adhering base ply for self adhering 2 ply system.	348.38	
07 51 13 00-0109	SQ		StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil.....	354.68	
07 51 13 00-0110	SQ		StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil.....	294.21	
07 51 13 00-0111	LF		Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric.....	4.68	
07 51 13 00-0112	LF		Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems.....	13.59	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0113	SQ	Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems .....	69.71	
07 51 13 00-0114	LF	Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems .....	6.14	
07 51 13 00-0115	LF	Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems .....	4.39	
07 51 13 00-0116	LF	Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems .....	5.22	
07 51 13 00-0117	SQ	HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications.....	153.61	
<b>07 51 13 00-0118</b>		<b>Coatings And Mastics For Roof Installation, Restoration And Repairs</b> <small>(07 51 13 00-0077)</small>		
07 51 13 00-0119	SQ	Water Based Roof Primer, GarlaPrime VOC Primer.....	42.80	
07 51 13 00-0120	SQ	Black-Knight® Primer .....	39.46	
07 51 13 00-0121	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply .....	168.38	
07 51 13 00-0122	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ) .....	177.04	
07 51 13 00-0123	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ) .....	282.12	
07 51 13 00-0124	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply.....	458.96	
07 51 13 00-0125	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat.....	470.52	
07 51 13 00-0126	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ).....	218.97	
07 51 13 00-0127	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration .....	362.39	
07 51 13 00-0128	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ) .....	563.81	
07 51 13 00-0129	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration .....	937.31	
07 51 13 00-0130	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Interply .....	391.30	
07 51 13 00-0131	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Flood Coat.....	402.86	
07 51 13 00-0132	SQ	Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only .....	862.35	
07 51 13 00-0133	SQ	Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only .....	371.40	
07 51 13 00-0134	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply .....	179.79	
07 51 13 00-0135	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat.....	191.35	
07 51 13 00-0136	SQ	Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel.....	165.54	
07 51 13 00-0137	SQ	Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers .....	154.23	
07 51 13 00-0138	SQ	Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products .....	18.18	
		Note: Adheres all insulation layers for cold systems.		
07 51 13 00-0139	SQ	Pyramic® Plus LO White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required.....	191.32	
07 51 13 00-0140	SQ	Pyramic® Plus LO Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System .....	185.41	
07 51 13 00-0141	LF	Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh.....	22.35	
07 51 13 00-0142	SQ	Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat.....	248.27	
07 51 13 00-0143	SQ	Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric.....	1,403.82	
07 51 13 00-0144	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ) .....	313.92	
07 51 13 00-0145	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel .....	384.21	
07 51 13 00-0146	SQ	Weatherking® Cold Applied Rubber Modified Asphalt Interply Adhesive For Slopes Up To 3:12, Interply.....	141.57	
07 51 13 00-0147	SQ	Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System.....	448.72	
07 51 13 00-0148	SQ	Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply.....	140.48	
		Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.		
<b>07 52</b>		<b>Modified Bituminous Membrane Roofing</b> <small>(07 50)</small>		
<b>07 52 13</b>		<b>Atactic-Polypropylene Modified Bituminous Membrane Roofing</b> <small>(07 52)</small>		
		Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.		
<b>07 52 13 11</b>		<b>Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing</b> <small>(07 52 13)</small>		
07 52 13 11-0001		Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing <small>(07 52 13 11)</small>		
		Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.		
07 52 13 11-0002		Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 13 11-0001)</small>		
07 52 13 11-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied .....	211.67	
		For Up To 10, Add .....	48.60	
		For >10 To 20, Add .....	25.87	
		For >20 To 40, Add .....	13.72	
		For >75 To 100, Deduct .....	-6.86	
		For >100 To 200, Deduct .....	-14.50	
		For >200, Deduct .....	-21.36	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 11-0004 SQ 90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied .....	259.38	
For Up To 10, Add	58.14	
For >10 To 20, Add	30.64	
For >20 To 40, Add	16.10	
For >75 To 100, Deduct	-8.05	
For >100 To 200, Deduct	-16.89	
For >200, Deduct	-24.94	
07 52 13 11-0005 SQ 160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied .....	411.71	
For Up To 10, Add	88.61	
For >10 To 20, Add	45.87	
For >20 To 40, Add	23.72	
For >75 To 100, Deduct	-11.86	
For >100 To 200, Deduct	-24.50	
For >200, Deduct	-36.36	
07 52 13 11-0006 SQ 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	414.70	
For Up To 10, Add	89.81	
For >10 To 20, Add	46.62	
For >20 To 40, Add	24.17	
For >75 To 100, Deduct	-12.08	
For >100 To 200, Deduct	-25.03	
For >200, Deduct	-37.11	
07 52 13 11-0007 SQ 160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	294.38	
For Up To 10, Add	65.74	
For >10 To 20, Add	34.59	
For >20 To 40, Add	18.15	
For >75 To 100, Deduct	-9.08	
For >100 To 200, Deduct	-19.01	
For >200, Deduct	-28.09	
For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 13 11-0008 SQ 160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	342.64	
For Up To 10, Add	75.39	
For >10 To 20, Add	39.41	
For >20 To 40, Add	20.57	
For >75 To 100, Deduct	-10.28	
For >100 To 200, Deduct	-21.42	
For >200, Deduct	-31.71	
For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 13 11-0009 SQ 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	474.11	
For Up To 10, Add	101.69	
For >10 To 20, Add	52.56	
For >20 To 40, Add	27.14	
For >75 To 100, Deduct	-13.57	
For >100 To 200, Deduct	-28.00	
For >200, Deduct	-41.57	
For Factory Applied White Reflective Surfacing, Add	101.15	
<b>07 52 13 11-0010 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing</b> <small>(07 52 13 11-0001)</small>		
07 52 13 11-0011 SF 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied .....	5.67	
07 52 13 11-0012 SF 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied .....	8.92	
For Factory Applied White Reflective Surfacing, Add	1.01	
<b>07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing</b> <small>(07 52 13)</small>		
07 52 13 13-0001 Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing <small>(07 52 13 13)</small>		
Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 13 13-0002 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 13 13-0001)</small>		
07 52 13 13-0003 SQ 80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied.....	150.55	
For Up To 10, Add	36.37	
For >10 To 20, Add	19.75	
For >20 To 40, Add	10.66	
For >75 To 100, Deduct	-5.33	
For >100 To 200, Deduct	-11.44	
For >200, Deduct	-16.77	
07 52 13 13-0004 SQ 90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	198.26	
For Up To 10, Add	45.91	
For >10 To 20, Add	24.52	
For >20 To 40, Add	13.04	
For >75 To 100, Deduct	-6.52	
For >100 To 200, Deduct	-13.83	
For >200, Deduct	-20.35	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0005	SQ		150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied .....	236.38	
			<i>For Up To 10, Add</i>	56.68	
			<i>For &gt;10 To 20, Add</i>	30.69	
			<i>For &gt;20 To 40, Add</i>	16.52	
			<i>For &gt;75 To 100, Deduct</i>	-8.26	
			<i>For &gt;100 To 200, Deduct</i>	-17.70	
			<i>For &gt;200, Deduct</i>	-25.96	
07 52 13 13-0006	SQ		160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied .....	248.60	
			<i>For Up To 10, Add</i>	59.13	
			<i>For &gt;10 To 20, Add</i>	31.91	
			<i>For &gt;20 To 40, Add</i>	17.13	
			<i>For &gt;75 To 100, Deduct</i>	-8.57	
			<i>For &gt;100 To 200, Deduct</i>	-18.31	
			<i>For &gt;200, Deduct</i>	-26.88	
07 52 13 13-0007	SQ		180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied .....	347.70	
			<i>For Up To 10, Add</i>	78.95	
			<i>For &gt;10 To 20, Add</i>	41.82	
			<i>For &gt;20 To 40, Add</i>	22.09	
			<i>For &gt;75 To 100, Deduct</i>	-11.04	
			<i>For &gt;100 To 200, Deduct</i>	-23.26	
			<i>For &gt;200, Deduct</i>	-34.31	
07 52 13 13-0008	SQ		150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied .....	236.38	
			<i>For Up To 10, Add</i>	56.68	
			<i>For &gt;10 To 20, Add</i>	30.69	
			<i>For &gt;20 To 40, Add</i>	16.52	
			<i>For &gt;75 To 100, Deduct</i>	-8.26	
			<i>For &gt;100 To 200, Deduct</i>	-17.70	
			<i>For &gt;200, Deduct</i>	-25.96	
07 52 13 13-0009	SQ		160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied .....	251.65	
			<i>For Up To 10, Add</i>	59.74	
			<i>For &gt;10 To 20, Add</i>	32.22	
			<i>For &gt;20 To 40, Add</i>	17.29	
			<i>For &gt;75 To 100, Deduct</i>	-8.64	
			<i>For &gt;100 To 200, Deduct</i>	-18.46	
			<i>For &gt;200, Deduct</i>	-27.10	
07 52 13 13-0010	SQ		180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied .....	347.70	
			<i>For Up To 10, Add</i>	78.95	
			<i>For &gt;10 To 20, Add</i>	41.82	
			<i>For &gt;20 To 40, Add</i>	22.09	
			<i>For &gt;75 To 100, Deduct</i>	-11.04	
			<i>For &gt;100 To 200, Deduct</i>	-23.26	
			<i>For &gt;200, Deduct</i>	-34.31	
07 52 13 13-0011	SQ		160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	246.00	
			<i>For Up To 10, Add</i>	58.61	
			<i>For &gt;10 To 20, Add</i>	31.65	
			<i>For &gt;20 To 40, Add</i>	17.00	
			<i>For &gt;75 To 100, Deduct</i>	-8.50	
			<i>For &gt;100 To 200, Deduct</i>	-18.18	
			<i>For &gt;200, Deduct</i>	-26.68	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 13 13-0012	SQ		170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	260.81	
			<i>For Up To 10, Add</i>	61.57	
			<i>For &gt;10 To 20, Add</i>	33.14	
			<i>For &gt;20 To 40, Add</i>	17.74	
			<i>For &gt;75 To 100, Deduct</i>	-8.87	
			<i>For &gt;100 To 200, Deduct</i>	-18.92	
			<i>For &gt;200, Deduct</i>	-27.79	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 13 13-0013	SQ		160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	297.16	
			<i>For Up To 10, Add</i>	68.84	
			<i>For &gt;10 To 20, Add</i>	36.77	
			<i>For &gt;20 To 40, Add</i>	19.56	
			<i>For &gt;75 To 100, Deduct</i>	-9.78	
			<i>For &gt;100 To 200, Deduct</i>	-20.74	
			<i>For &gt;200, Deduct</i>	-30.52	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 13 13-0014	SQ		170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	301.58	
			<i>For Up To 10, Add</i>	69.72	
			<i>For &gt;10 To 20, Add</i>	37.21	
			<i>For &gt;20 To 40, Add</i>	19.78	
			<i>For &gt;75 To 100, Deduct</i>	-9.89	
			<i>For &gt;100 To 200, Deduct</i>	-20.96	
			<i>For &gt;200, Deduct</i>	-30.85	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 13 13-0015	SQ		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	425.73	
			<i>For Up To 10, Add</i>	94.55	
			<i>For &gt;10 To 20, Add</i>	49.63	
			<i>For &gt;20 To 40, Add</i>	25.99	
			<i>For &gt;75 To 100, Deduct</i>	-12.99	
			<i>For &gt;100 To 200, Deduct</i>	-27.17	
			<i>For &gt;200, Deduct</i>	-40.16	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	

07 52 13 13-0016 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing  
Flashing (07 52 13 13-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0017 SF 150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied .....	3.30	
07 52 13 13-0018 SF 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied .....	3.46	
07 52 13 13-0019 SF 180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied .....	4.42	
07 52 13 13-0020 SF 170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied.....	3.55	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
07 52 13 13-0021 SF 170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied .....	3.96	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
07 52 13 13-0022 SF 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied .....	5.20	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
<b>07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)</b>		
07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing (07 52 13 14)		
Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 13 14-0002 Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets (07 52 13 14-0001)		
07 52 13 14-0003 SQ 90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened.....	230.17	
<i>For Up To 10, Add</i>	49.17	
<i>For &gt;10 To 20, Add</i>	25.37	
<i>For &gt;20 To 40, Add</i>	13.07	
<i>For &gt;75 To 100, Deduct</i>	-6.54	
<i>For &gt;100 To 200, Deduct</i>	-13.47	
<i>For &gt;200, Deduct</i>	-20.00	
<b>07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52)</b>		
Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.		
<b>07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)</b>		
07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 11)		
Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.		
07 52 16 11-0002 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 11-0001)		
07 52 16 11-0003 SQ 50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied .....	164.95	
<i>For Up To 10, Add</i>	39.26	
<i>For &gt;10 To 20, Add</i>	21.20	
<i>For &gt;20 To 40, Add</i>	11.38	
<i>For &gt;75 To 100, Deduct</i>	-5.69	
<i>For &gt;100 To 200, Deduct</i>	-12.17	
<i>For &gt;200, Deduct</i>	-17.86	
07 52 16 11-0004 SQ 80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied .....	217.93	
<i>For Up To 10, Add</i>	49.85	
<i>For &gt;10 To 20, Add</i>	26.49	
<i>For &gt;20 To 40, Add</i>	14.03	
<i>For &gt;75 To 100, Deduct</i>	-7.02	
<i>For &gt;100 To 200, Deduct</i>	-14.81	
<i>For &gt;200, Deduct</i>	-21.83	
07 52 16 11-0005 SQ 90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied .....	224.76	
<i>For Up To 10, Add</i>	51.22	
<i>For &gt;10 To 20, Add</i>	27.18	
<i>For &gt;20 To 40, Add</i>	14.37	
<i>For &gt;75 To 100, Deduct</i>	-7.19	
<i>For &gt;100 To 200, Deduct</i>	-15.16	
<i>For &gt;200, Deduct</i>	-22.34	
07 52 16 11-0006 SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied.....	309.26	
<i>For Up To 10, Add</i>	68.12	
<i>For &gt;10 To 20, Add</i>	35.63	
<i>For &gt;20 To 40, Add</i>	18.60	
<i>For &gt;75 To 100, Deduct</i>	-9.30	
<i>For &gt;100 To 200, Deduct</i>	-19.38	
<i>For &gt;200, Deduct</i>	-28.68	
07 52 16 11-0007 SQ 125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied.....	394.77	
<i>For Up To 10, Add</i>	85.22	
<i>For &gt;10 To 20, Add</i>	44.18	
<i>For &gt;20 To 40, Add</i>	22.87	
<i>For &gt;75 To 100, Deduct</i>	-11.44	
<i>For &gt;100 To 200, Deduct</i>	-23.66	
<i>For &gt;200, Deduct</i>	-35.09	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive	Applied.....	326.88	
		<i>For Up To 10, Add</i>		72.24	
		<i>For &gt;10 To 20, Add</i>		37.84	
		<i>For &gt;20 To 40, Add</i>		19.78	
		<i>For &gt;75 To 100, Deduct</i>		-9.89	
		<i>For &gt;100 To 200, Deduct</i>		-20.64	
		<i>For &gt;200, Deduct</i>		-30.52	
07 52 16 11-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive	Applied.....	336.07	
		<i>For Up To 10, Add</i>		74.08	
		<i>For &gt;10 To 20, Add</i>		38.76	
		<i>For &gt;20 To 40, Add</i>		20.24	
		<i>For &gt;75 To 100, Deduct</i>		-10.12	
		<i>For &gt;100 To 200, Deduct</i>		-21.09	
		<i>For &gt;200, Deduct</i>		-31.21	
07 52 16 11-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive	Applied.....	293.01	
		<i>For Up To 10, Add</i>		65.47	
		<i>For &gt;10 To 20, Add</i>		34.45	
		<i>For &gt;20 To 40, Add</i>		18.08	
		<i>For &gt;75 To 100, Deduct</i>		-9.04	
		<i>For &gt;100 To 200, Deduct</i>		-18.94	
		<i>For &gt;200, Deduct</i>		-27.98	
		<i>For Factory Applied White Reflective Surfacing, Add</i>		101.15	
07 52 16 11-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive	Applied.....	296.98	
		<i>For Up To 10, Add</i>		66.26	
		<i>For &gt;10 To 20, Add</i>		34.85	
		<i>For &gt;20 To 40, Add</i>		18.28	
		<i>For &gt;75 To 100, Deduct</i>		-9.14	
		<i>For &gt;100 To 200, Deduct</i>		-19.14	
		<i>For &gt;200, Deduct</i>		-28.28	
		<i>For Factory Applied White Reflective Surfacing, Add</i>		101.15	
07 52 16 11-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive	Applied.....	333.63	
		<i>For Up To 10, Add</i>		73.59	
		<i>For &gt;10 To 20, Add</i>		38.51	
		<i>For &gt;20 To 40, Add</i>		20.11	
		<i>For &gt;75 To 100, Deduct</i>		-10.06	
		<i>For &gt;100 To 200, Deduct</i>		-20.97	
		<i>For &gt;200, Deduct</i>		-31.03	
		<i>For Factory Applied White Reflective Surfacing, Add</i>		101.15	
07 52 16 11-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive	Applied.....	339.73	
		<i>For Up To 10, Add</i>		74.81	
		<i>For &gt;10 To 20, Add</i>		39.12	
		<i>For &gt;20 To 40, Add</i>		20.42	
		<i>For &gt;75 To 100, Deduct</i>		-10.21	
		<i>For &gt;100 To 200, Deduct</i>		-21.28	
		<i>For &gt;200, Deduct</i>		-31.49	
		<i>For Factory Applied White Reflective Surfacing, Add</i>		101.15	
07 52 16 11-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive	Applied.....	393.18	
		<i>For Up To 10, Add</i>		85.50	
		<i>For &gt;10 To 20, Add</i>		44.47	
		<i>For &gt;20 To 40, Add</i>		23.09	
		<i>For &gt;75 To 100, Deduct</i>		-11.55	
		<i>For &gt;100 To 200, Deduct</i>		-23.95	
		<i>For &gt;200, Deduct</i>		-35.50	
		<i>For Factory Applied White Reflective Surfacing, Add</i>		101.15	
07 52 16 11-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive	Applied.....	490.54	
		<i>For Up To 10, Add</i>		104.97	
		<i>For &gt;10 To 20, Add</i>		54.20	
		<i>For &gt;20 To 40, Add</i>		27.96	
		<i>For &gt;75 To 100, Deduct</i>		-13.98	
		<i>For &gt;100 To 200, Deduct</i>		-28.82	
		<i>For &gt;200, Deduct</i>		-42.80	
		<i>For Factory Applied White Reflective Surfacing, Add</i>		101.15	
07 52 16 11-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive	Applied.....	299.63	
		<i>For Up To 10, Add</i>		66.79	
		<i>For &gt;10 To 20, Add</i>		35.11	
		<i>For &gt;20 To 40, Add</i>		18.41	
		<i>For &gt;75 To 100, Deduct</i>		-9.21	
		<i>For &gt;100 To 200, Deduct</i>		-19.27	
		<i>For &gt;200, Deduct</i>		-28.48	
		<i>For Factory Applied White Reflective Surfacing, Add</i>		101.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0017 SQ 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	309.19	
<i>For Up To 10, Add</i>	68.97	
<i>For &gt;10 To 20, Add</i>	36.07	
<i>For &gt;20 To 40, Add</i>	18.89	
<i>For &gt;75 To 100, Deduct</i>	-9.45	
<i>For &gt;100 To 200, Deduct</i>	-19.75	
<i>For &gt;200, Deduct</i>	-29.20	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 16 11-0018 SQ 150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	361.11	
<i>For Up To 10, Add</i>	79.09	
<i>For &gt;10 To 20, Add</i>	41.26	
<i>For &gt;20 To 40, Add</i>	21.49	
<i>For &gt;75 To 100, Deduct</i>	-10.74	
<i>For &gt;100 To 200, Deduct</i>	-22.35	
<i>For &gt;200, Deduct</i>	-33.09	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 16 11-0019 SQ 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	362.33	
<i>For Up To 10, Add</i>	79.33	
<i>For &gt;10 To 20, Add</i>	41.38	
<i>For &gt;20 To 40, Add</i>	21.55	
<i>For &gt;75 To 100, Deduct</i>	-10.77	
<i>For &gt;100 To 200, Deduct</i>	-22.41	
<i>For &gt;200, Deduct</i>	-33.18	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 16 11-0020 SQ 170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	385.54	
<i>For Up To 10, Add</i>	83.97	
<i>For &gt;10 To 20, Add</i>	43.70	
<i>For &gt;20 To 40, Add</i>	22.71	
<i>For &gt;75 To 100, Deduct</i>	-11.36	
<i>For &gt;100 To 200, Deduct</i>	-23.57	
<i>For &gt;200, Deduct</i>	-34.92	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
<b>07 52 16 11-0021 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing</b> <small>(07 52 16 11-0001)</small>		
07 52 16 11-0022 SF 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.88	
07 52 16 11-0023 SF 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.45	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
07 52 16 11-0024 SF 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.49	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
07 52 16 11-0025 SF 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.92	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
07 52 16 11-0026 SF 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.45	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
07 52 16 11-0027 SF 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	6.43	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
07 52 16 11-0028 SF 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.52	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
07 52 16 11-0029 SF 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.61	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
07 52 16 11-0030 SF 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.15	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
07 52 16 11-0031 SF 170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.38	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
07 52 16 11-0032 SF 145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	7.28	
07 52 16 11-0033 SF 160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	14.14	
<b>07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing</b> <small>(07 52 16)</small>		
07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing <small>(07 52 16 12)</small>		
Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.		
07 52 16 12-0002 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 16 12-0001)</small>		

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0003	SQ		50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	133.78	
			<i>For Up To 10, Add</i>	33.15	
			<i>For &gt;10 To 20, Add</i>	18.18	
			<i>For &gt;20 To 40, Add</i>	9.89	
			<i>For &gt;75 To 100, Deduct</i>	-4.94	
			<i>For &gt;100 To 200, Deduct</i>	-10.69	
			<i>For &gt;200, Deduct</i>	-15.63	
07 52 16 12-0004	SQ		80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	186.75	
			<i>For Up To 10, Add</i>	43.75	
			<i>For &gt;10 To 20, Add</i>	23.47	
			<i>For &gt;20 To 40, Add</i>	12.54	
			<i>For &gt;75 To 100, Deduct</i>	-6.27	
			<i>For &gt;100 To 200, Deduct</i>	-13.34	
			<i>For &gt;200, Deduct</i>	-19.60	
07 52 16 12-0005	SQ		90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	193.58	
			<i>For Up To 10, Add</i>	45.11	
			<i>For &gt;10 To 20, Add</i>	24.16	
			<i>For &gt;20 To 40, Add</i>	12.88	
			<i>For &gt;75 To 100, Deduct</i>	-6.44	
			<i>For &gt;100 To 200, Deduct</i>	-13.68	
			<i>For &gt;200, Deduct</i>	-20.12	
07 52 16 12-0006	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped.....	278.08	
			<i>For Up To 10, Add</i>	62.01	
			<i>For &gt;10 To 20, Add</i>	32.61	
			<i>For &gt;20 To 40, Add</i>	17.10	
			<i>For &gt;75 To 100, Deduct</i>	-8.55	
			<i>For &gt;100 To 200, Deduct</i>	-17.90	
			<i>For &gt;200, Deduct</i>	-26.45	
07 52 16 12-0007	SQ		125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped.....	363.59	
			<i>For Up To 10, Add</i>	79.11	
			<i>For &gt;10 To 20, Add</i>	41.16	
			<i>For &gt;20 To 40, Add</i>	21.38	
			<i>For &gt;75 To 100, Deduct</i>	-10.69	
			<i>For &gt;100 To 200, Deduct</i>	-22.18	
			<i>For &gt;200, Deduct</i>	-32.87	
07 52 16 12-0008	SQ		140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	295.76	
			<i>For Up To 10, Add</i>	66.16	
			<i>For &gt;10 To 20, Add</i>	34.83	
			<i>For &gt;20 To 40, Add</i>	18.29	
			<i>For &gt;75 To 100, Deduct</i>	-9.15	
			<i>For &gt;100 To 200, Deduct</i>	-19.17	
			<i>For &gt;200, Deduct</i>	-28.31	
07 52 16 12-0009	SQ		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	304.95	
			<i>For Up To 10, Add</i>	68.00	
			<i>For &gt;10 To 20, Add</i>	35.75	
			<i>For &gt;20 To 40, Add</i>	18.75	
			<i>For &gt;75 To 100, Deduct</i>	-9.38	
			<i>For &gt;100 To 200, Deduct</i>	-19.63	
			<i>For &gt;200, Deduct</i>	-29.00	
07 52 16 12-0010	SQ		125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	261.89	
			<i>For Up To 10, Add</i>	59.38	
			<i>For &gt;10 To 20, Add</i>	31.44	
			<i>For &gt;20 To 40, Add</i>	16.60	
			<i>For &gt;75 To 100, Deduct</i>	-8.30	
			<i>For &gt;100 To 200, Deduct</i>	-17.47	
			<i>For &gt;200, Deduct</i>	-25.77	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 16 12-0011	SQ		140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	265.86	
			<i>For Up To 10, Add</i>	60.18	
			<i>For &gt;10 To 20, Add</i>	31.84	
			<i>For &gt;20 To 40, Add</i>	16.80	
			<i>For &gt;75 To 100, Deduct</i>	-8.40	
			<i>For &gt;100 To 200, Deduct</i>	-17.67	
			<i>For &gt;200, Deduct</i>	-26.07	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 16 12-0012	SQ		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	302.51	
			<i>For Up To 10, Add</i>	67.51	
			<i>For &gt;10 To 20, Add</i>	35.51	
			<i>For &gt;20 To 40, Add</i>	18.63	
			<i>For &gt;75 To 100, Deduct</i>	-9.31	
			<i>For &gt;100 To 200, Deduct</i>	-19.50	
			<i>For &gt;200, Deduct</i>	-28.82	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 16 12-0013	SQ		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	308.62	
			<i>For Up To 10, Add</i>	68.73	
			<i>For &gt;10 To 20, Add</i>	36.12	
			<i>For &gt;20 To 40, Add</i>	18.93	
			<i>For &gt;75 To 100, Deduct</i>	-9.47	
			<i>For &gt;100 To 200, Deduct</i>	-19.81	
			<i>For &gt;200, Deduct</i>	-29.28	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0014 SQ 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	362.06	
<i>For Up To 10, Add</i>	79.42	
<i>For &gt;10 To 20, Add</i>	41.46	
<i>For &gt;20 To 40, Add</i>	21.61	
<i>For &gt;75 To 100, Deduct</i>	-10.80	
<i>For &gt;100 To 200, Deduct</i>	-22.48	
<i>For &gt;200, Deduct</i>	-33.28	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 16 12-0015 SQ 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	459.42	
<i>For Up To 10, Add</i>	98.89	
<i>For &gt;10 To 20, Add</i>	51.20	
<i>For &gt;20 To 40, Add</i>	26.47	
<i>For &gt;75 To 100, Deduct</i>	-13.24	
<i>For &gt;100 To 200, Deduct</i>	-27.35	
<i>For &gt;200, Deduct</i>	-40.59	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 16 12-0016 SQ 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	268.52	
<i>For Up To 10, Add</i>	60.71	
<i>For &gt;10 To 20, Add</i>	32.11	
<i>For &gt;20 To 40, Add</i>	16.93	
<i>For &gt;75 To 100, Deduct</i>	-8.46	
<i>For &gt;100 To 200, Deduct</i>	-17.80	
<i>For &gt;200, Deduct</i>	-26.27	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 16 12-0017 SQ 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	278.08	
<i>For Up To 10, Add</i>	62.62	
<i>For &gt;10 To 20, Add</i>	33.06	
<i>For &gt;20 To 40, Add</i>	17.41	
<i>For &gt;75 To 100, Deduct</i>	-8.70	
<i>For &gt;100 To 200, Deduct</i>	-18.28	
<i>For &gt;200, Deduct</i>	-26.99	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 16 12-0018 SQ 150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	329.99	
<i>For Up To 10, Add</i>	73.00	
<i>For &gt;10 To 20, Add</i>	38.25	
<i>For &gt;20 To 40, Add</i>	20.00	
<i>For &gt;75 To 100, Deduct</i>	-10.00	
<i>For &gt;100 To 200, Deduct</i>	-20.88	
<i>For &gt;200, Deduct</i>	-30.88	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 16 12-0019 SQ 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	331.22	
<i>For Up To 10, Add</i>	73.25	
<i>For &gt;10 To 20, Add</i>	38.38	
<i>For &gt;20 To 40, Add</i>	20.06	
<i>For &gt;75 To 100, Deduct</i>	-10.03	
<i>For &gt;100 To 200, Deduct</i>	-20.94	
<i>For &gt;200, Deduct</i>	-30.97	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 16 12-0020 SQ 170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	354.43	
<i>For Up To 10, Add</i>	77.89	
<i>For &gt;10 To 20, Add</i>	40.70	
<i>For &gt;20 To 40, Add</i>	21.22	
<i>For &gt;75 To 100, Deduct</i>	-10.61	
<i>For &gt;100 To 200, Deduct</i>	-22.10	
<i>For &gt;200, Deduct</i>	-32.71	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
<b>07 52 16 12-0021 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing</b> <small>(07 52 16 12-0001)</small>		
07 52 16 12-0022 SF 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	4.71	
07 52 16 12-0023 SF 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	4.28	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
07 52 16 12-0024 SF 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	4.32	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
07 52 16 12-0025 SF 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	4.68	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
07 52 16 12-0026 SF 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	4.74	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
07 52 16 12-0027 SF 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	5.28	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
07 52 16 12-0028 SF 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	6.25	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
07 52 16 12-0029 SF 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	4.34	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
07 52 16 12-0030 SF 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	4.44	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0031	SF		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.87	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	1.01	
07 52 16 12-0032	SF		170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	5.20	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	1.01	
07 52 16 12-0033	SF		145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	7.10	
07 52 16 12-0034	SF		160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	13.97	
<b>07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing</b> <small>(07 52 16)</small>					
07 52 16 13-0001			<b>Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing</b> <small>(07 52 16 13)</small> Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 16 13-0002			<b>Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets</b> <small>(07 52 16 13-0001)</small>		
07 52 16 13-0003	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	279.14	
			<i>For Up To 10, Add</i> .....	65.23	
			<i>For &gt;10 To 20, Add</i> .....	34.97	
			<i>For &gt;20 To 40, Add</i> .....	18.66	
			<i>For &gt;75 To 100, Deduct</i> .....	-9.33	
			<i>For &gt;100 To 200, Deduct</i> .....	-19.84	
			<i>For &gt;200, Deduct</i> .....	-29.17	
07 52 16 13-0004	SQ		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	249.51	
			<i>For Up To 10, Add</i> .....	59.31	
			<i>For &gt;10 To 20, Add</i> .....	32.01	
			<i>For &gt;20 To 40, Add</i> .....	17.18	
			<i>For &gt;75 To 100, Deduct</i> .....	-8.59	
			<i>For &gt;100 To 200, Deduct</i> .....	-18.35	
			<i>For &gt;200, Deduct</i> .....	-26.94	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	101.15	
07 52 16 13-0005	SQ		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	284.33	
			<i>For Up To 10, Add</i> .....	66.27	
			<i>For &gt;10 To 20, Add</i> .....	35.49	
			<i>For &gt;20 To 40, Add</i> .....	18.92	
			<i>For &gt;75 To 100, Deduct</i> .....	-9.46	
			<i>For &gt;100 To 200, Deduct</i> .....	-20.10	
			<i>For &gt;200, Deduct</i> .....	-29.56	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	101.15	
07 52 16 13-0006	SQ		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	442.16	
			<i>For Up To 10, Add</i> .....	97.84	
			<i>For &gt;10 To 20, Add</i> .....	51.27	
			<i>For &gt;20 To 40, Add</i> .....	26.81	
			<i>For &gt;75 To 100, Deduct</i> .....	-13.41	
			<i>For &gt;100 To 200, Deduct</i> .....	-27.99	
			<i>For &gt;200, Deduct</i> .....	-41.39	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	101.15	
07 52 16 13-0007	SQ		150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	259.47	
			<i>For Up To 10, Add</i> .....	61.30	
			<i>For &gt;10 To 20, Add</i> .....	33.00	
			<i>For &gt;20 To 40, Add</i> .....	17.68	
			<i>For &gt;75 To 100, Deduct</i> .....	-8.84	
			<i>For &gt;100 To 200, Deduct</i> .....	-18.85	
			<i>For &gt;200, Deduct</i> .....	-27.69	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	101.15	
07 52 16 13-0008	SQ		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	300.52	
			<i>For Up To 10, Add</i> .....	69.51	
			<i>For &gt;10 To 20, Add</i> .....	37.11	
			<i>For &gt;20 To 40, Add</i> .....	19.73	
			<i>For &gt;75 To 100, Deduct</i> .....	-9.86	
			<i>For &gt;100 To 200, Deduct</i> .....	-20.90	
			<i>For &gt;200, Deduct</i> .....	-30.77	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	101.15	
07 52 16 13-0009	SQ		165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	313.68	
			<i>For Up To 10, Add</i> .....	72.33	
			<i>For &gt;10 To 20, Add</i> .....	38.57	
			<i>For &gt;20 To 40, Add</i> .....	20.48	
			<i>For &gt;75 To 100, Deduct</i> .....	-10.24	
			<i>For &gt;100 To 200, Deduct</i> .....	-21.68	
			<i>For &gt;200, Deduct</i> .....	-31.92	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	101.15	
07 52 16 13-0010	SQ		180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	409.49	
			<i>For Up To 10, Add</i> .....	91.49	
			<i>For &gt;10 To 20, Add</i> .....	48.15	
			<i>For &gt;20 To 40, Add</i> .....	25.27	
			<i>For &gt;75 To 100, Deduct</i> .....	-12.64	
			<i>For &gt;100 To 200, Deduct</i> .....	-26.47	
			<i>For &gt;200, Deduct</i> .....	-39.11	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	101.15	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>07 52 16 13-0011</b>	<b>Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing</b> <small>(07 52 16 13-0001)</small>	
07 52 16 13-0012	SF 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	3.82
07 52 16 13-0013	SF 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	3.79
	<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01
07 52 16 13-0014	SF 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	5.36
	<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01
07 52 16 13-0015	SF 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	3.98
	<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01
07 52 16 13-0016	SF 165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	4.07
	<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01
07 52 16 13-0017	SF 180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	5.03
	<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01
07 52 16 13-0018	SF 150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	5.24
07 52 16 13-0019	SF 160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	13.08

**07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing** (07 52 16)

<b>07 52 16 14-0001</b>	<b>Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing</b> <small>(07 52 16 14)</small>	
	Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.	
<b>07 52 16 14-0002</b>	<b>Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets</b> <small>(07 52 16 14-0001)</small>	
07 52 16 14-0003	SQ 35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened .....	177.54
	<i>For Up To 10, Add</i>	38.64
	<i>For &gt;10 To 20, Add</i>	20.10
	<i>For &gt;20 To 40, Add</i>	10.44
	<i>For &gt;75 To 100, Deduct</i>	-5.22
	<i>For &gt;100 To 200, Deduct</i>	-10.83
	<i>For &gt;200, Deduct</i>	-16.06
07 52 16 14-0004	SQ 50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened.....	135.75
	<i>For Up To 10, Add</i>	30.28
	<i>For &gt;10 To 20, Add</i>	15.92
	<i>For &gt;20 To 40, Add</i>	8.35
	<i>For &gt;75 To 100, Deduct</i>	-4.18
	<i>For &gt;100 To 200, Deduct</i>	-8.75
	<i>For &gt;200, Deduct</i>	-12.92
07 52 16 14-0005	SQ 80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened.....	176.88
	<i>For Up To 10, Add</i>	38.51
	<i>For &gt;10 To 20, Add</i>	20.04
	<i>For &gt;20 To 40, Add</i>	10.41
	<i>For &gt;75 To 100, Deduct</i>	-5.21
	<i>For &gt;100 To 200, Deduct</i>	-10.80
	<i>For &gt;200, Deduct</i>	-16.01
07 52 16 14-0006	SQ 90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened.....	222.33
	<i>For Up To 10, Add</i>	47.60
	<i>For &gt;10 To 20, Add</i>	24.58
	<i>For &gt;20 To 40, Add</i>	12.68
	<i>For &gt;75 To 100, Deduct</i>	-6.34
	<i>For &gt;100 To 200, Deduct</i>	-13.07
	<i>For &gt;200, Deduct</i>	-19.42
07 52 16 14-0007	SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened.....	280.05
	<i>For Up To 10, Add</i>	59.14
	<i>For &gt;10 To 20, Add</i>	30.35
	<i>For &gt;20 To 40, Add</i>	15.57
	<i>For &gt;75 To 100, Deduct</i>	-7.78
	<i>For &gt;100 To 200, Deduct</i>	-15.96
	<i>For &gt;200, Deduct</i>	-23.74

<b>07 52 16 14-0008</b>	<b>Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing</b> <small>(07 52 16 14-0001)</small>	
07 52 16 14-0009	SF 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened.....	3.35
07 52 16 14-0010	SF 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened.....	3.43

**07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing** (07 52 16)

<b>07 52 16 15-0001</b>	<b>Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing</b> <small>(07 52 16 15)</small>	
	Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>07 52 16 15-0002</b>	<b>Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets</b> <small>(07 52 16 15-0001)</small>		
07 52 16 15-0003	SQ 60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering .....	140.86	
	For Up To 10, Add	31.93	
	For >10 To 20, Add	16.91	
	For >20 To 40, Add	8.92	
	For >75 To 100, Deduct	-4.46	
	For >100 To 200, Deduct	-9.39	
	For >200, Deduct	-13.86	
07 52 16 15-0004	SQ 70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering .....	149.52	
	For Up To 10, Add	33.67	
	For >10 To 20, Add	17.77	
	For >20 To 40, Add	9.36	
	For >75 To 100, Deduct	-4.68	
	For >100 To 200, Deduct	-9.83	
	For >200, Deduct	-14.51	
07 52 16 15-0005	SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering .....	255.01	
	For Up To 10, Add	55.05	
	For >10 To 20, Add	28.53	
	For >20 To 40, Add	14.77	
	For >75 To 100, Deduct	-7.39	
	For >100 To 200, Deduct	-15.28	
	For >200, Deduct	-22.66	
07 52 16 15-0006	SQ 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering .....	305.77	
	For Up To 10, Add	65.20	
	For >10 To 20, Add	33.61	
	For >20 To 40, Add	17.31	
	For >75 To 100, Deduct	-8.66	
	For >100 To 200, Deduct	-17.82	
	For >200, Deduct	-26.47	
	For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 16 15-0007	SQ 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering .....	455.42	
	For Up To 10, Add	95.13	
	For >10 To 20, Add	48.58	
	For >20 To 40, Add	24.79	
	For >75 To 100, Deduct	-12.40	
	For >100 To 200, Deduct	-25.30	
	For >200, Deduct	-37.70	
	For Factory Applied White Reflective Surfacing, Add	101.15	

**07 52 16 15-0008 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing** (07 52 16 15-0001)

07 52 16 15-0009	SF 70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering .....	3.77	
07 52 16 15-0010	SF 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering .....	4.27	
	For Factory Applied White Reflective Surfacing, Add	1.01	
07 52 16 15-0011	SF 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering .....	5.76	
	For Factory Applied White Reflective Surfacing, Add	1.01	

**07 53 Elastomeric Membrane Roofing** (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

**07 53 16 Chlorosulfonate-Polyethylene Roofing** (07 53)

**07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes** (07 53 16)

Note: Includes hot air welding or adhesive bonding of seams.

07 53 16 00-0002	SQ 45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered .....	533.63	75.23
	Note: Includes adhesive.		
	For Up To 10, Add	136.82	
	For >10 To 20, Add	75.93	
	For >20 To 40, Add	41.73	
	For >75 To 100, Deduct	-20.86	
	For >100 To 200, Deduct	-45.49	
	For >200, Deduct	-66.35	
	For 15 Year Warranty, Add	3.00	
07 53 16 00-0003	SQ 45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted .....	409.26	37.62
	Note: Includes ballast.		
	For Up To 10, Add	96.90	
	For >10 To 20, Add	52.21	
	For >20 To 40, Add	27.99	
	For >75 To 100, Deduct	-13.99	
	For >100 To 200, Deduct	-29.87	
	For >200, Deduct	-43.86	
	For 15 Year Warranty, Add	3.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 16 00-0004 SQ 45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened.....	431.68	56.43
Note: Includes fasteners.		
<i>For Up To 10, Add</i>	108.91	
<i>For &gt;10 To 20, Add</i>	60.10	
<i>For &gt;20 To 40, Add</i>	32.87	
<i>For &gt;75 To 100, Deduct</i>	-16.43	
<i>For &gt;100 To 200, Deduct</i>	-35.69	
<i>For &gt;200, Deduct</i>	-52.12	
<i>For 15 Year Warranty, Add</i>	3.00	
<b>07 53 23 Ethylene-Propylene-Diene-Monomer Roofing (07 53)</b>		
07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes (07 53 23)		
Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).		
07 53 23 00-0002 SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted.....	251.52	37.62
Note: Includes ballast.		
<i>For Up To 10, Add</i>	65.35	
<i>For &gt;10 To 20, Add</i>	36.44	
<i>For &gt;20 To 40, Add</i>	20.10	
<i>For &gt;75 To 100, Deduct</i>	-10.05	
<i>For &gt;100 To 200, Deduct</i>	-21.98	
<i>For &gt;200, Deduct</i>	-32.03	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For Low Slope Fire Rated, Add</i>	8.13	
<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	23.91	
07 53 23 00-0003 SQ 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted.....	324.29	39.97
Note: Includes ballast.		
<i>For Up To 10, Add</i>	80.84	
<i>For &gt;10 To 20, Add</i>	44.42	
<i>For &gt;20 To 40, Add</i>	24.21	
<i>For &gt;75 To 100, Deduct</i>	-12.10	
<i>For &gt;100 To 200, Deduct</i>	-26.21	
<i>For &gt;200, Deduct</i>	-38.31	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	7.00	
<i>For 25 Year Warranty, Add</i>	9.00	
<i>For Low Slope Fire Rated, Add</i>	8.13	
<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	23.91	
07 53 23 00-0004 SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted.....	436.13	42.32
Note: Includes ballast.		
<i>For Up To 10, Add</i>	104.15	
<i>For &gt;10 To 20, Add</i>	56.31	
<i>For &gt;20 To 40, Add</i>	30.27	
<i>For &gt;75 To 100, Deduct</i>	-15.14	
<i>For &gt;100 To 200, Deduct</i>	-32.39	
<i>For &gt;200, Deduct</i>	-47.52	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	7.00	
<i>For 25 Year Warranty, Add</i>	9.00	
<i>For Low Slope Fire Rated, Add</i>	8.13	
07 53 23 00-0005 SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%).....	296.27	56.43
Note: Includes adhesive and fasteners.		
<i>For Up To 10, Add</i>	81.82	
<i>For &gt;10 To 20, Add</i>	46.55	
<i>For &gt;20 To 40, Add</i>	26.10	
<i>For &gt;75 To 100, Deduct</i>	-13.05	
<i>For &gt;100 To 200, Deduct</i>	-28.92	
<i>For &gt;200, Deduct</i>	-41.97	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For Low Slope Fire Rated, Add</i>	8.13	
<i>For Low VOC Adhesive, Add</i>	33.16	
<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	23.91	
<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	77.55	
<i>For Integral Polyester Fleece-Backing, Add</i>	111.39	
07 53 23 00-0006 SQ 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%).....	369.04	58.78
Note: Includes adhesive and fasteners.		
<i>For Up To 10, Add</i>	97.32	
<i>For &gt;10 To 20, Add</i>	54.54	
<i>For &gt;20 To 40, Add</i>	30.21	
<i>For &gt;75 To 100, Deduct</i>	-15.10	
<i>For &gt;100 To 200, Deduct</i>	-33.15	
<i>For &gt;200, Deduct</i>	-48.25	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	7.00	
<i>For 25 Year Warranty, Add</i>	9.00	
<i>For Low Slope Fire Rated, Add</i>	8.13	
<i>For Low VOC Adhesive, Add</i>	33.16	
<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	23.91	
<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	77.55	
<i>For Integral Polyester Fleece-Backing, Add</i>	123.31	

## 07 Thermal And Moisture Protection

## 07 50 Membrane Roofing

## 07 53 Elastomeric Membrane Roofing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0007	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) .....480.88 Note: Includes adhesive and fasteners.	480.88	61.13
			<i>For Up To 10, Add</i>	120.63	
			<i>For &gt;10 To 20, Add</i>	66.43	
			<i>For &gt;20 To 40, Add</i>	36.27	
			<i>For &gt;75 To 100, Deduct</i>	-18.14	
			<i>For &gt;100 To 200, Deduct</i>	-39.33	
			<i>For &gt;200, Deduct</i>	-57.46	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
			<i>For Low Slope Fire Rated, Add</i>	8.13	
			<i>For Low VOC Adhesive, Add</i>	33.16	
			<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	77.55	
			<i>For Integral Polyester Fleece-Backing, Add</i>	136.31	
07 53 23 00-0008	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....391.17 Note: Includes adhesive and fasteners.	391.17	75.23
			<i>For Up To 10, Add</i>	108.33	
			<i>For &gt;10 To 20, Add</i>	61.69	
			<i>For &gt;20 To 40, Add</i>	34.61	
			<i>For &gt;75 To 100, Deduct</i>	-17.30	
			<i>For &gt;100 To 200, Deduct</i>	-38.37	
			<i>For &gt;200, Deduct</i>	-55.67	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For Low Slope Fire Rated, Add</i>	8.13	
			<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	23.91	
			<i>For Low VOC Adhesive, Add</i>	82.91	
			<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	77.55	
			<i>For Integral Polyester Fleece-Backing, Add</i>	111.39	
07 53 23 00-0009	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....463.94 Note: Includes adhesive and fasteners.	463.94	77.58
			<i>For Up To 10, Add</i>	123.82	
			<i>For &gt;10 To 20, Add</i>	69.67	
			<i>For &gt;20 To 40, Add</i>	38.71	
			<i>For &gt;75 To 100, Deduct</i>	-19.36	
			<i>For &gt;100 To 200, Deduct</i>	-42.59	
			<i>For &gt;200, Deduct</i>	-61.95	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
			<i>For Low Slope Fire Rated, Add</i>	8.13	
			<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	23.91	
			<i>For Low VOC Adhesive, Add</i>	82.91	
			<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	77.55	
			<i>For Integral Polyester Fleece-Backing, Add</i>	123.31	
07 53 23 00-0010	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....575.78 Note: Includes adhesive and fasteners.	575.78	79.93
			<i>For Up To 10, Add</i>	147.13	
			<i>For &gt;10 To 20, Add</i>	81.56	
			<i>For &gt;20 To 40, Add</i>	44.78	
			<i>For &gt;75 To 100, Deduct</i>	-22.39	
			<i>For &gt;100 To 200, Deduct</i>	-48.77	
			<i>For &gt;200, Deduct</i>	-71.16	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
			<i>For Low Slope Fire Rated, Add</i>	8.13	
			<i>For Low VOC Adhesive, Add</i>	82.91	
			<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	77.55	
			<i>For Integral Polyester Fleece-Backing, Add</i>	136.31	
07 53 23 00-0011	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened .....273.72 Note: Includes fasteners.	273.72	56.43
			<i>For Up To 10, Add</i>	77.31	
			<i>For &gt;10 To 20, Add</i>	44.30	
			<i>For &gt;20 To 40, Add</i>	24.97	
			<i>For &gt;75 To 100, Deduct</i>	-12.49	
			<i>For &gt;100 To 200, Deduct</i>	-27.79	
			<i>For &gt;200, Deduct</i>	-40.28	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For Low Slope Fire Rated, Add</i>	8.13	
			<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	23.91	
			<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	77.55	
07 53 23 00-0012	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened .....346.49 Note: Includes fasteners.	346.49	58.78
			<i>For Up To 10, Add</i>	92.81	
			<i>For &gt;10 To 20, Add</i>	52.28	
			<i>For &gt;20 To 40, Add</i>	29.08	
			<i>For &gt;75 To 100, Deduct</i>	-14.54	
			<i>For &gt;100 To 200, Deduct</i>	-32.02	
			<i>For &gt;200, Deduct</i>	-46.56	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
			<i>For Low Slope Fire Rated, Add</i>	8.13	
			<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	23.91	
			<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	77.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0013 SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened ..... Note: Includes fasteners.	458.32	61.13
<i>For Up To 10, Add</i>	116.12	
<i>For &gt;10 To 20, Add</i>	64.17	
<i>For &gt;20 To 40, Add</i>	35.14	
<i>For &gt;75 To 100, Deduct</i>	-17.57	
<i>For &gt;100 To 200, Deduct</i>	-38.20	
<i>For &gt;200, Deduct</i>	-55.77	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	7.00	
<i>For 25 Year Warranty, Add</i>	9.00	
<i>For Low Slope Fire Rated, Add</i>	8.13	
<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	77.55	
<b>07 53 23 00-0014 Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories (07 53 23)</b>		
07 53 23 00-0015 SQ Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat.....	66.36	
<i>For Up To 10, Add</i>	17.03	
<i>For &gt;10 To 20, Add</i>	9.46	
<i>For &gt;20 To 40, Add</i>	5.20	
<i>For &gt;75 To 100, Deduct</i>	-2.60	
<i>For &gt;100 To 200, Deduct</i>	-5.67	
<i>For &gt;200, Deduct</i>	-8.27	
07 53 23 00-0016 SQ Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat .....	68.73	
Note: 55% solids by volume.		
<i>For Up To 10, Add</i>	17.51	
<i>For &gt;10 To 20, Add</i>	9.69	
<i>For &gt;20 To 40, Add</i>	5.32	
<i>For &gt;75 To 100, Deduct</i>	-2.66	
<i>For &gt;100 To 200, Deduct</i>	-5.79	
<i>For &gt;200, Deduct</i>	-8.45	
07 53 23 00-0017 EA Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	40.96	8.93
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0018 EA >4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	59.72	8.93
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0019 EA >8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	113.87	8.93
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0020 EA 6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket .....	151.57	9.88
Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 53 23 00-0021 LF 30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad .....	32.26	5.46
Note: Includes factory installed peel and stick adhesive tape.		
07 53 23 00-0022 SF Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing.....	6.03	1.41
07 53 23 00-0023 SF Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing .....	7.43	2.12
<b>07 53 29 Polyisobutylene Roofing (07 53)</b>		
<b>07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes (07 53 29)</b>		
Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.		
07 53 29 00-0002 SQ 100 Mil, Single Ply PIB Roofing Membrane, Ballasted .....	489.68	42.32
Note: Includes ballast.		
<i>For Up To 10, Add</i>	114.86	
<i>For &gt;10 To 20, Add</i>	61.66	
<i>For &gt;20 To 40, Add</i>	32.95	
<i>For &gt;75 To 100, Deduct</i>	-16.47	
<i>For &gt;100 To 200, Deduct</i>	-35.06	
<i>For &gt;200, Deduct</i>	-51.54	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	7.00	
<i>For 25 Year Warranty, Add</i>	9.00	
07 53 29 00-0003 SQ 100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%) .....	542.94	61.13
Note: Includes adhesive.		
<i>For Up To 10, Add</i>	133.04	
<i>For &gt;10 To 20, Add</i>	72.63	
<i>For &gt;20 To 40, Add</i>	39.37	
<i>For &gt;75 To 100, Deduct</i>	-19.69	
<i>For &gt;100 To 200, Deduct</i>	-42.43	
<i>For &gt;200, Deduct</i>	-62.12	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	7.00	
<i>For 25 Year Warranty, Add</i>	9.00	
07 53 29 00-0004 SQ 100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered .....	650.61	79.93
Note: Includes adhesive.		
<i>For Up To 10, Add</i>	162.10	
<i>For &gt;10 To 20, Add</i>	89.04	
<i>For &gt;20 To 40, Add</i>	48.52	
<i>For &gt;75 To 100, Deduct</i>	-24.26	
<i>For &gt;100 To 200, Deduct</i>	-52.52	
<i>For &gt;200, Deduct</i>	-76.77	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	7.00	
<i>For 25 Year Warranty, Add</i>	9.00	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 53 Elastomeric Membrane Roofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**07 54 Thermoplastic Membrane Roofing** (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

**07 54 19 Polyvinyl-Chloride Roofing** (07 54)

07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (Sika Sarnafil® EnergySmart Roof® Membranes) (07 54 19)

07 54 19 00-0002 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (Sika Sarnafil® EnergySmart Roof® Membranes) (07 54 19 00-0001)

Note: Includes integral fiberglass mat reinforcement and hot air welding of seams. Sarnafil® G410 fully adhered membranes meet or exceed all of the requirements of ASTM D4434 Type II. Sarnafil® S327 mechanically attached membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0003	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered .....	302.05	75.23
		Note: Includes adhesive.		
		For Up To 10, Add	90.50	
		For >10 To 20, Add	52.78	
		For >20 To 40, Add	30.15	
		For >75 To 100, Deduct	-15.07	
		For >100 To 200, Deduct	-33.91	
		For >200, Deduct	-48.99	
		For 15 Year Warranty, Add	1.65	
		For 20 Year Warranty, Add	5.78	
		For 25 Year Warranty, Add	10.74	
		For Integral Felt Backing, Add	28.91	
07 54 19 00-0004	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered .....	321.68	77.58
		Note: Includes adhesive.		
		For Up To 10, Add	95.37	
		For >10 To 20, Add	55.44	
		For >20 To 40, Add	31.60	
		For >75 To 100, Deduct	-15.80	
		For >100 To 200, Deduct	-35.48	
		For >200, Deduct	-51.28	
		For 15 Year Warranty, Add	1.65	
		For 20 Year Warranty, Add	5.78	
		For 25 Year Warranty, Add	10.74	
		For Integral Felt Backing, Add	28.91	
07 54 19 00-0005	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered .....	339.88	78.76
		Note: Includes adhesive.		
		For Up To 10, Add	99.48	
		For >10 To 20, Add	57.62	
		For >20 To 40, Add	32.75	
		For >75 To 100, Deduct	-16.37	
		For >100 To 200, Deduct	-36.68	
		For >200, Deduct	-53.06	
		For 15 Year Warranty, Add	1.65	
		For 20 Year Warranty, Add	5.78	
		For 25 Year Warranty, Add	10.74	
		For Integral Felt Backing, Add	28.91	
07 54 19 00-0006	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered .....	359.03	79.93
		Note: Includes adhesive.		
		For Up To 10, Add	103.78	
		For >10 To 20, Add	59.89	
		For >20 To 40, Add	33.94	
		For >75 To 100, Deduct	-16.97	
		For >100 To 200, Deduct	-37.94	
		For >200, Deduct	-54.91	
		For 15 Year Warranty, Add	1.65	
		For 20 Year Warranty, Add	5.78	
		For 25 Year Warranty, Add	10.74	
		For Integral Felt Backing, Add	28.91	
07 54 19 00-0007	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened .....	240.62	56.43
		Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
		For Up To 10, Add	70.69	
		For >10 To 20, Add	40.99	
		For >20 To 40, Add	23.32	
		For >75 To 100, Deduct	-11.66	
		For >100 To 200, Deduct	-26.14	
		For >200, Deduct	-37.80	
		For 15 Year Warranty, Add	1.65	
		For 20 Year Warranty, Add	5.78	
		For 25 Year Warranty, Add	10.74	
		For Mechanically Fastened To Concrete Decks, Add	28.21	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	29.44	
		For Integral Felt Backing, Add	28.91	
		For Mechanically Fastened With Sarnabar, Add	16.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0008 SQ 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened.....	260.24	58.78
Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
For Up To 10, Add	75.56	
For >10 To 20, Add	43.66	
For >20 To 40, Add	24.77	
For >75 To 100, Deduct	-12.38	
For >100 To 200, Deduct	-27.71	
For >200, Deduct	-40.09	
For 15 Year Warranty, Add	1.65	
For 20 Year Warranty, Add	5.78	
For 25 Year Warranty, Add	10.74	
For Mechanically Fastened To Concrete Decks, Add	29.39	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	30.62	
For Integral Felt Backing, Add	28.91	
For Mechanically Fastened With Sarnabar, Add	16.98	
07 54 19 00-0009 SQ 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened.....	278.45	59.95
Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
For Up To 10, Add	79.67	
For >10 To 20, Add	45.83	
For >20 To 40, Add	25.91	
For >75 To 100, Deduct	-12.96	
For >100 To 200, Deduct	-28.91	
For >200, Deduct	-41.87	
For 15 Year Warranty, Add	1.65	
For 20 Year Warranty, Add	5.78	
For 25 Year Warranty, Add	10.74	
For Mechanically Fastened To Concrete Decks, Add	29.98	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	31.21	
For Integral Felt Backing, Add	28.91	
For Mechanically Fastened With Sarnabar, Add	16.98	
07 54 19 00-0010 SQ 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened.....	297.59	61.13
Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
For Up To 10, Add	83.97	
For >10 To 20, Add	48.10	
For >20 To 40, Add	27.11	
For >75 To 100, Deduct	-13.55	
For >100 To 200, Deduct	-30.16	
For >200, Deduct	-43.71	
For 15 Year Warranty, Add	1.65	
For 20 Year Warranty, Add	5.78	
For 25 Year Warranty, Add	10.74	
For Mechanically Fastened To Concrete Decks, Add	30.57	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	31.80	
For Integral Felt Backing, Add	28.91	
For Mechanically Fastened With Sarnabar, Add	16.98	
<b>07 54 19 00-0011 Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories (Sika Sarnafil® EnergySmart Roof® Membranes) (07 54 19 00-0001)</b>		
07 54 19 00-0012 SQ Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat.....	66.36	
For Up To 10, Add	17.03	
For >10 To 20, Add	9.46	
For >20 To 40, Add	5.20	
For >75 To 100, Deduct	-2.60	
For >100 To 200, Deduct	-5.67	
For >200, Deduct	-8.27	
07 54 19 00-0013 SQ Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat.....	68.73	
Note: 55% solids by volume.		
For Up To 10, Add	17.51	
For >10 To 20, Add	9.69	
For >20 To 40, Add	5.32	
For >75 To 100, Deduct	-2.66	
For >100 To 200, Deduct	-5.79	
For >200, Deduct	-8.45	
07 54 19 00-0014 LF 3/4" Wide Multi-Purpose Tape (Sika Sarnafil®).....	0.75	
07 54 19 00-0015 LF Roofing Membrane Aluminum Termination Bar (Sika Sarnafil® Sarnastop).....	3.65	1.35
Note: Includes fasteners and caulking.		
07 54 19 00-0016 EA 4-1/2" Diameter, Polyvinyl Chloride (PVC) Membrane Prefabricated Patch (Sika Sarnafil® Sarnacircles).....	3.58	1.17
07 54 19 00-0017 LF 8" Polyvinyl Chloride (PVC) Membrane Cover Strip (Sika Sarnafil® Coverstrip).....	3.83	1.17
Note: Includes aluminum tape.		
07 54 19 00-0018 LF 12" Polyvinyl Chloride (PVC) Membrane Cover Strip (Sika Sarnafil® Coverstrip).....	3.83	1.17
Note: Includes aluminum tape.		
07 54 19 00-0019 LF Surface Mount Vertical Termination Bar (Sika Sarnafil® Sarnareglet).....	5.02	1.47
Note: Includes fasteners, splice plates and caulking.		
07 54 19 00-0020 SF Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® G459).....	5.17	1.41
07 54 19 00-0021 SF Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Detail Membrane).....	6.56	2.12
07 54 19 00-0022 SF Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing (Sika Sarnafil® Sarnaclad).....	6.96	1.41
Note: 20 Mil white polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		
For Colored PVC, Add	0.60	
07 54 19 00-0023 LF 39" Wide, 96 Mil, Polyester Reinforced, Polyvinyl Chloride (PVC) Walkway Protection Pad (Sika Sarnafil® Sarnatred -V).....	20.12	5.46
07 54 19 00-0024 EA Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack).....	48.56	7.99
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0025 EA >3" To 5" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack) .....	50.45	8.93
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0026 EA >5" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack) .....	52.33	9.88
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0027 EA 6" Diameter, Seamless Heavy-Duty Aluminum Roof Drain (Sika Sarnafil® Sarnadrain With U-Flow®) .....	782.09	192.84
07 54 19 00-0028 EA Inside Corner, Prefabricated Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Sarnacorners - Inside) .....	15.36	
07 54 19 00-0029 EA Outside Corner, Prefabricated Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Sarnacorners - Outside) .....	15.36	
07 54 19 00-0030 SQ 9 OZ/SY, Protective Polypropylene Fabric Separation Layer (Sika Sarnafil® Sarnafelt NWP), Loose Laid .....	33.11	
07 54 19 00-0031 SQ 11 OZ/SY, Protective Polypropylene Fabric Separation Layer (Sika Sarnafil® Sarnafelt), Loose Laid .....	49.38	
07 54 19 00-0032 SQ 10 Mil, Low Density Polyethylene, Vapor/Air Barrier Sheet (Sika Sarnafil® Sarnavap - 10), Loose Laid .....	29.43	
07 54 19 00-0033 SQ 32 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Vapor/Air Barrier Sheet (Sika Sarnafil® Sarnavap Self-Adhered), Self-Adhering .....	78.68	
<b>07 54 19 00-0034 Snap-On Cover Fascia (Sika Sarnafil® Edge Grip) (07 54 19 00-0001)</b>		
<b>07 54 19 00-0035 Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0034)</b>		
<b>07 54 19 00-0036 Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0035)</b>		
<b>07 54 19 00-0037 Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0036)</b>		
07 54 19 00-0038 LF 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) .....	12.12	2.64
<b>07 54 19 00-0039 Accessories For Mill Finish, Aluminum Snap-On Cover Fascia Systems (07 54 19 00-0036)</b>		
07 54 19 00-0040 EA Fascia Overflow Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	69.76	9.81
07 54 19 00-0041 EA Fascia Spillout Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	69.76	9.81
07 54 19 00-0042 EA Fascia Downspout Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	83.40	9.81
07 54 19 00-0043 EA Inside/Outside Miter For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	30.62	2.64
<b>07 54 19 00-0044 KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0035)</b>		
<b>07 54 19 00-0045 KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0044)</b>		
07 54 19 00-0046 LF 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) .....	13.70	2.64
<b>07 54 19 00-0047 Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 54 19 00-0044)</b>		
07 54 19 00-0048 EA Fascia Overflow Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	72.91	9.81
07 54 19 00-0049 EA Fascia Spillout Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	72.91	9.81
07 54 19 00-0050 EA Fascia Downspout Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	89.70	9.81
07 54 19 00-0051 EA Inside/Outside Miter For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	33.78	2.64
<b>07 54 19 00-0052 Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0034)</b>		
<b>07 54 19 00-0053 KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0052)</b>		
<b>07 54 19 00-0054 KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0053)</b>		
07 54 19 00-0055 LF 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) .....	12.48	2.64
<b>07 54 19 00-0056 Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) (07 54 19 00-0053)</b>		
07 54 19 00-0057 EA Fascia Overflow Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	70.49	9.81
07 54 19 00-0058 EA Fascia Spillout Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	70.49	9.81





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0059 EA Fascia Downspout Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	84.85	9.81
07 54 19 00-0060 EA Inside/Outside Miter For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	31.35	2.64
<b>07 54 19 00-0061 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes</b> <small>(07 54 19)</small> Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.		
07 54 19 00-0062 SQ 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted .....	223.82	37.62
Note: Includes ballast.		
For Up To 10, Add	59.81	
For >10 To 20, Add	33.67	
For >20 To 40, Add	18.71	
For >75 To 100, Deduct	-9.36	
For >100 To 200, Deduct	-20.59	
For >200, Deduct	-29.95	
For 15 Year Warranty, Add	3.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	44.86	
07 54 19 00-0063 SQ 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted .....	251.98	39.97
Note: Includes ballast.		
For Up To 10, Add	66.38	
For >10 To 20, Add	37.19	
For >20 To 40, Add	20.59	
For >75 To 100, Deduct	-10.30	
For >100 To 200, Deduct	-22.59	
For >200, Deduct	-32.89	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	44.86	
07 54 19 00-0064 SQ 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted .....	284.31	41.14
Note: Includes ballast.		
For Up To 10, Add	73.32	
For >10 To 20, Add	40.77	
For >20 To 40, Add	22.44	
For >75 To 100, Deduct	-11.22	
For >100 To 200, Deduct	-24.50	
For >200, Deduct	-35.72	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	44.86	
07 54 19 00-0065 SQ 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted .....	299.70	42.32
Note: Includes ballast.		
For Up To 10, Add	76.87	
For >10 To 20, Add	42.67	
For >20 To 40, Add	23.45	
For >75 To 100, Deduct	-11.72	
For >100 To 200, Deduct	-25.57	
For >200, Deduct	-37.29	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	44.86	
<b>07 54 23 Thermoplastic-Polyolefin Roofing</b> <small>(07 54)</small>		
<b>07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes</b> <small>(07 54 23)</small> Note: Includes polyester fabric reinforcement and hot air welding of seams.		
07 54 23 00-0002 SQ 45 Mil, Single Ply TPO Roofing Membrane, Fully Adhered .....	325.60	75.23
Note: Includes adhesive.		
For Up To 10, Add	95.21	
For >10 To 20, Add	55.13	
For >20 To 40, Add	31.33	
For >75 To 100, Deduct	-15.66	
For >100 To 200, Deduct	-35.09	
For >200, Deduct	-50.75	
For 15 Year Warranty, Add	3.00	
For Low VOC Adhesive, Add	82.91	
For Integral Polyester Fleece-Backing, Add	33.25	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0003	SQ		50 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	339.74	76.41
			Note: Includes adhesive.		
			For Up To 10, Add	98.51	
			For >10 To 20, Add	56.90	
			For >20 To 40, Add	32.27	
			For >75 To 100, Deduct	-16.13	
			For >100 To 200, Deduct	-36.09	
			For >200, Deduct	-52.22	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low VOC Adhesive, Add	82.91	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0004	SQ		60 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	347.35	77.58
			Note: Includes adhesive.		
			For Up To 10, Add	100.50	
			For >10 To 20, Add	58.01	
			For >20 To 40, Add	32.88	
			For >75 To 100, Deduct	-16.44	
			For >100 To 200, Deduct	-36.76	
			For >200, Deduct	-53.21	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low VOC Adhesive, Add	82.91	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0005	SQ		80 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	439.65	79.93
			Note: Includes adhesive.		
			For Up To 10, Add	119.91	
			For >10 To 20, Add	67.95	
			For >20 To 40, Add	37.97	
			For >75 To 100, Deduct	-18.99	
			For >100 To 200, Deduct	-41.97	
			For >200, Deduct	-60.95	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low VOC Adhesive, Add	82.91	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0006	SQ		45 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened.....	222.06	56.43
			Note: Includes fasteners.		
			For Up To 10, Add	66.98	
			For >10 To 20, Add	39.13	
			For >20 To 40, Add	22.39	
			For >75 To 100, Deduct	-11.19	
			For >100 To 200, Deduct	-25.21	
			For >200, Deduct	-36.40	
			For 15 Year Warranty, Add	3.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0007	SQ		50 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened.....	236.20	57.60
			Note: Includes fasteners.		
			For Up To 10, Add	70.28	
			For >10 To 20, Add	40.90	
			For >20 To 40, Add	23.33	
			For >75 To 100, Deduct	-11.67	
			For >100 To 200, Deduct	-26.21	
			For >200, Deduct	-37.88	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
			For Mechanically Fastened To Concrete Decks, Add	28.80	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	30.03	
07 54 23 00-0008	SQ		60 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened.....	243.81	58.78
			Note: Includes fasteners.		
			For Up To 10, Add	72.27	
			For >10 To 20, Add	42.01	
			For >20 To 40, Add	23.95	
			For >75 To 100, Deduct	-11.97	
			For >100 To 200, Deduct	-26.88	
			For >200, Deduct	-38.86	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0009	SQ		80 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened.....	336.11	61.13
			Note: Includes fasteners.		
			For Up To 10, Add	91.67	
			For >10 To 20, Add	51.95	
			For >20 To 40, Add	29.03	
			For >75 To 100, Deduct	-14.52	
			For >100 To 200, Deduct	-32.09	
			For >200, Deduct	-46.60	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Integral Polyester Fleece-Backing, Add	33.25	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**07 54 23 00-0010 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories (07 54 23)**

07 54 23 00-0011	SQ	Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat .....	79.43	
		<i>For Up To 10, Add</i>	19.65	
		<i>For &gt;10 To 20, Add</i>	10.76	
		<i>For &gt;20 To 40, Add</i>	5.85	
		<i>For &gt;75 To 100, Deduct</i>	-2.93	
		<i>For &gt;100 To 200, Deduct</i>	-6.32	
		<i>For &gt;200, Deduct</i>	-9.25	
07 54 23 00-0012	SQ	Acrylic Elastomeric, Surface Or Base Coating For TPO Roofing, Price Per Coat.....	68.73	
		Note: 55% solids by volume.		
		<i>For Up To 10, Add</i>	17.51	
		<i>For &gt;10 To 20, Add</i>	9.69	
		<i>For &gt;20 To 40, Add</i>	5.32	
		<i>For &gt;75 To 100, Deduct</i>	-2.66	
		<i>For &gt;100 To 200, Deduct</i>	-5.79	
		<i>For &gt;200, Deduct</i>	-8.45	
		<i>For Tan Or Gray Color, Add</i>	2.50	
07 54 23 00-0013	EA	Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin Pipe Cone/Boot.....	59.81	7.99
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0014	EA	>3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin Pipe Cone/Boot.....	64.49	8.93
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0015	EA	6" Diameter, Prefabricated TPO Penetration Pocket .....	120.26	9.88
		Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 23 00-0016	LF	30" Wide, TPO Walkway Protection Pad .....	27.06	5.46
07 54 23 00-0017	SF	Thermoplastic Polyolefin Membrane Base Flashing .....	7.59	1.41
07 54 23 00-0018	SF	Thermoplastic Polyolefin Curb Flashing .....	6.28	1.41
		<i>For Tan Or Gray Color, Add</i>	0.10	
07 54 23 00-0019	SF	Thermoplastic Polyolefin Clad Edge Metal Or Base Flashing.....	11.31	1.41
		Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.		

**07 56 Fluid-Applied Roofing (07 50)**

**07 56 00 00-0001 Neoprene Hypalon Liquid Roofing, 5 Coats (07 56)**

07 56 00 00-0002	SQ	60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing .....	943.91	125.20
		<i>For Each Additional Coat, Add</i>	141.59	

**07 56 00 00-0003 Vinyl Spray Liquid Roofing (07 56)**

07 56 00 00-0004	SQ	2 Mil Vinyl Liquid Roofing.....	999.10	131.95
07 56 00 00-0005	SQ	4 Mil Vinyl Liquid Roofing.....	1,117.94	147.35

**07 56 00 00-0006 Silicone Elastomeric Liquid Roofing (07 56)**

07 56 00 00-0007	SQ	65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat.....	417.75	75.60
07 56 00 00-0008	SQ	65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat.....	491.02	75.60
07 56 00 00-0009	SQ	65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat.....	546.13	75.60

**07 56 00 00-0010 Elastomeric Asphalt/Urethane Liquid Roofing Membrane (07 56)**

07 56 00 00-0011	SQ	90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane .....	1,801.01	75.60
		Note: Includes applying a 30 mil base coat, rolling in a stitchbonded polyester reinforcing scrim and applying a 60 mil second coat.		

**07 56 00 00-0012 Urethane Liquid Roofing Membrane (07 56)**

Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.

07 56 00 00-0013	SQ	Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	93.17	
07 56 00 00-0014	LF	Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	4.56	
07 56 00 00-0015	SQ	White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....	356.21	
07 56 00 00-0016	SQ	White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System .....	90.78	
07 56 00 00-0017	SQ	White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply .....	883.60	
07 56 00 00-0018	SQ	White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	1,338.99	
07 56 00 00-0019	SQ	White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	914.25	
07 56 00 00-0020	SQ	White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ).....	233.42	

**07 57 Coated Foamed Roofing (07 50)**

**07 57 13 Sprayed Polyurethane Foam Roofing (07 57)**

Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.

**07 57 13 00-0001 Sprayed Polyurethane Foam Roofing Systems (07 57 13)**

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 57 Coated Foamed Roofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 57 13 00-0002	SQ	Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating (07 57 13 00-0001)		
07 57 13 00-0003	SQ	Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating (07 57 13 00-0002) Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0004	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	314.25	45.76
07 57 13 00-0005	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	377.86	49.02
07 57 13 00-0006	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	441.48	52.29
07 57 13 00-0007	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	511.45	55.56
07 57 13 00-0008	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	581.43	58.83
07 57 13 00-0009	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	638.67	62.10
07 57 13 00-0010	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	695.90	65.36
07 57 13 00-0011	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	759.52	68.64
07 57 13 00-0012	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	823.13	71.90
07 57 13 00-0013	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	886.73	75.17
07 57 13 00-0014	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	950.34	78.43
07 57 13 00-0015	SQ	Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating (07 57 13 00-0002) Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0016	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	324.16	45.76
07 57 13 00-0017	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	387.77	49.02
07 57 13 00-0018	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	451.39	52.29
07 57 13 00-0019	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	514.99	55.56
07 57 13 00-0020	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	578.60	58.83
07 57 13 00-0021	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	642.21	62.10
07 57 13 00-0022	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	705.81	65.36
07 57 13 00-0023	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	769.43	68.64
07 57 13 00-0024	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	833.04	71.90
07 57 13 00-0025	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	896.64	75.17
07 57 13 00-0026	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	960.25	78.43
07 57 13 00-0027	SQ	Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating (07 57 13 00-0002) Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0028	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	348.23	45.76
07 57 13 00-0029	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	409.72	49.02
07 57 13 00-0030	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	471.21	52.29
07 57 13 00-0031	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	534.81	55.56
07 57 13 00-0032	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	598.42	58.83
07 57 13 00-0033	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	688.51	62.10
07 57 13 00-0034	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	778.59	65.36
07 57 13 00-0035	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	847.59	68.64
07 57 13 00-0036	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	916.58	71.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0037 SQ 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating .....	985.56	75.17
07 57 13 00-0038 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating .....	1,054.55	78.43
<b>07 57 13 00-0039 Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating</b> <small>(07 57 13 00-0001)</small>		
<b>07 57 13 00-0040 Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating</b> <small>(07 57 13 00-0039)</small>		
<small>Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.</small>		
07 57 13 00-0041 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	355.31	45.76
07 57 13 00-0042 SQ 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	424.30	49.02
07 57 13 00-0043 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	493.30	52.29
07 57 13 00-0044 SQ 2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	562.28	55.56
07 57 13 00-0045 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	631.27	58.83
07 57 13 00-0046 SQ 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	700.26	62.10
07 57 13 00-0047 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	769.25	65.36
07 57 13 00-0048 SQ 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	838.24	68.64
07 57 13 00-0049 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	907.24	71.90
07 57 13 00-0050 SQ 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	976.21	75.17
07 57 13 00-0051 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	1,045.20	78.43
<b>07 57 13 00-0052 Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating</b> <small>(07 57 13 00-0039)</small>		
<small>Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.</small>		
07 57 13 00-0053 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	369.33	45.76
07 57 13 00-0054 SQ 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	438.32	49.02
07 57 13 00-0055 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	507.32	52.29
07 57 13 00-0056 SQ 2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	576.30	55.56
07 57 13 00-0057 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	645.28	58.83
07 57 13 00-0058 SQ 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	714.28	62.10
07 57 13 00-0059 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	783.26	65.36
07 57 13 00-0060 SQ 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	852.26	68.64
07 57 13 00-0061 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	921.25	71.90
07 57 13 00-0062 SQ 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	990.23	75.17
07 57 13 00-0063 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	1,059.22	78.43
<b>07 57 13 00-0064 Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating</b> <small>(07 57 13 00-0039)</small>		
<small>Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.</small>		
07 57 13 00-0065 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating .....	380.23	45.76
07 57 13 00-0066 SQ 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating .....	449.22	49.02
07 57 13 00-0067 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating .....	518.22	52.29
07 57 13 00-0068 SQ 2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating .....	587.20	55.56
07 57 13 00-0069 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating .....	656.19	58.83
07 57 13 00-0070 SQ 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating .....	725.18	62.10
07 57 13 00-0071 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating .....	794.17	65.36

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 57 Coated Foamed Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0072 SQ 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	863.16	68.64
07 57 13 00-0073 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	932.16	71.90
07 57 13 00-0074 SQ 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	1,001.13	75.17
07 57 13 00-0075 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	1,070.12	78.43

**07 58 Roll Roofing** (07 50)**07 58 00 00-0001 Prepared Roll Roofing** (07 58)

Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.

07 58 00 00-0002 SQ Granule Surfaced, 90 LB, Asphalt Saturated Organic Felt Roll Roofing.....	245.94	29.41
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**07 59 Membrane Roofing Termination Bar** (07 50)**07 59 00 00-0001 Membrane Roofing Termination Bar** (07 59)

07 59 00 00-0002 LF Membrane Roofing Termination Bar.....	4.49	1.35
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Note: Includes fasteners and caulking.

**07 60 Flashing and Sheet Metal** (07)**07 61 Sheet Metal Roofing** (07 60)**07 61 13 Standing Seam Sheet Metal Roofing** (07 61)**07 61 13 00-0001 Standing Seam Concealed Fastener Roofing** (07 61 13)**07 61 13 00-0002 Copper Standing Seam Concealed Fastener Roofing** (07 61 13 00-0001)

07 61 13 00-0003 SF Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing.....	32.37	3.07
For Steep Roof, Over 6 To 12, Add	1.84	
For 140 MPH Wind Load, Add	1.14	
For Panels <16" Wide, Add	2.75	
For Up To 1,500, Add	8.09	
For >1,500 To 5,000, Add	4.86	
For >5,000 To 10,000, Add	0.81	
07 61 13 00-0004 SF Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing.....	35.45	3.32
For Steep Roof, Over 6 To 12, Add	1.99	
For 140 MPH Wind Load, Add	1.24	
For Panels <16" Wide, Add	3.00	
For Up To 1,500, Add	8.86	
For >1,500 To 5,000, Add	5.32	
For >5,000 To 10,000, Add	0.89	
07 61 13 00-0005 SF Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing.....	41.81	3.62
For Steep Roof, Over 6 To 12, Add	2.17	
For 140 MPH Wind Load, Add	1.42	
For Panels <16" Wide, Add	3.43	
For Up To 1,500, Add	10.45	
For >1,500 To 5,000, Add	6.27	
For >5,000 To 10,000, Add	1.05	

**07 61 13 00-0006 Zinc/Copper Standing Seam Concealed Fastener Roofing** (07 61 13 00-0001)

07 61 13 00-0007 SF 0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	37.88	3.32
For Steep Roof, Over 6 To 12, Add	1.99	
For 140 MPH Wind Load, Add	1.29	
For Panels <16" Wide, Add	3.12	
For Up To 1,500, Add	9.47	
For >1,500 To 5,000, Add	5.68	
For >5,000 To 10,000, Add	0.95	
For Tin/Copper, Deduct	-0.62	
07 61 13 00-0008 SF 0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	45.97	3.46
For Steep Roof, Over 6 To 12, Add	2.08	
For 140 MPH Wind Load, Add	1.47	
For Panels <16" Wide, Add	3.58	
For Up To 1,500, Add	11.49	
For >1,500 To 5,000, Add	6.90	
For >5,000 To 10,000, Add	1.15	
For Tin/Copper, Deduct	-0.78	
07 61 13 00-0009 SF 0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	52.31	3.62
For Steep Roof, Over 6 To 12, Add	2.17	
For 140 MPH Wind Load, Add	1.63	
For Panels <16" Wide, Add	3.95	
For Up To 1,500, Add	13.08	
For >1,500 To 5,000, Add	7.85	
For >5,000 To 10,000, Add	1.31	
For Tin/Copper, Deduct	-0.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 13 00-0010 SF 0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	65.71	3.80
<i>For Steep Roof, Over 6 To 12, Add</i>	2.27	
<i>For 140 MPH Wind Load, Add</i>	1.92	
<i>For Panels &lt;16" Wide, Add</i>	4.69	
<i>For Up To 1,500, Add</i>	16.43	
<i>For &gt;1,500 To 5,000, Add</i>	9.86	
<i>For &gt;5,000 To 10,000, Add</i>	1.64	
<i>For Tin/Copper, Deduct</i>	-1.16	
<b>07 61 13 00-0011 Accessories For Copper Standing Seam Concealed Fastener Roofing</b> (07 61 13 00-0001)		
07 61 13 00-0012 LF Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing.....	136.72	6.33
<i>For Steep Roof, Over 6 To 12, Add</i>	4.75	
<i>For 140 MPH Wind Load, Add</i>	4.00	
07 61 13 00-0013 LF Eave Flashing For Copper Standing Seam Concealed Fastener Roofing.....	78.17	6.33
<i>For Steep Roof, Over 6 To 12, Add</i>	4.75	
<i>For 140 MPH Wind Load, Add</i>	2.83	
07 61 13 00-0014 LF Valley Flashing For Copper Standing Seam Concealed Fastener Roofing.....	192.07	6.33
<i>For Steep Roof, Over 6 To 12, Add</i>	4.75	
<i>For 140 MPH Wind Load, Add</i>	5.11	
07 61 13 00-0015 LF Hip Flashing For Copper Standing Seam Concealed Fastener Roofing.....	141.09	6.33
<i>For Steep Roof, Over 6 To 12, Add</i>	4.75	
<i>For 140 MPH Wind Load, Add</i>	4.09	
<b>07 61 16 Batten Seam Sheet Metal Roofing</b> (07 61)		
07 61 16 00-0001 Copper Batten Seam Concealed Fastener Roofing (07 61 16)		
07 61 16 00-0002 Copper Batten Seam Concealed Fastener Roofing (07 61 16 00-0001)		
07 61 16 00-0003 SF 16 Ounce Copper Batten Seam Concealed Fastener Roofing.....	39.89	3.62
<i>For Steep Roof, Over 6 To 12, Add</i>	2.17	
<i>For 140 MPH Wind Load, Add</i>	1.38	
<i>For Panels &lt;16" Wide, Add</i>	3.33	
<i>For Up To 1,500, Add</i>	9.97	
<i>For &gt;1,500 To 5,000, Add</i>	5.98	
<i>For &gt;5,000 To 10,000, Add</i>	1.00	
07 61 16 00-0004 SF 18 Ounce Copper Batten Seam Concealed Fastener Roofing.....	44.09	3.81
<i>For Steep Roof, Over 6 To 12, Add</i>	2.28	
<i>For 140 MPH Wind Load, Add</i>	1.49	
<i>For Panels &lt;16" Wide, Add</i>	3.61	
<i>For Up To 1,500, Add</i>	11.02	
<i>For &gt;1,500 To 5,000, Add</i>	6.61	
<i>For &gt;5,000 To 10,000, Add</i>	1.10	
07 61 16 00-0005 SF 20 Ounce Copper Batten Seam Concealed Fastener Roofing.....	51.51	3.98
<i>For Steep Roof, Over 6 To 12, Add</i>	2.39	
<i>For 140 MPH Wind Load, Add</i>	1.67	
<i>For Panels &lt;16" Wide, Add</i>	4.05	
<i>For Up To 1,500, Add</i>	12.88	
<i>For &gt;1,500 To 5,000, Add</i>	7.73	
<i>For &gt;5,000 To 10,000, Add</i>	1.29	
07 61 16 00-0006 Zinc/Copper Batten Seam Concealed Fastener Roofing (07 61 16 00-0001)		
07 61 16 00-0007 SF 0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing.....	40.57	3.32
<i>For Steep Roof, Over 6 To 12, Add</i>	1.99	
<i>For 140 MPH Wind Load, Add</i>	1.34	
<i>For Panels &lt;16" Wide, Add</i>	3.26	
<i>For Up To 1,500, Add</i>	10.14	
<i>For &gt;1,500 To 5,000, Add</i>	6.09	
<i>For &gt;5,000 To 10,000, Add</i>	1.01	
<i>For Tin/Copper, Deduct</i>	-0.68	
07 61 16 00-0008 SF 0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing.....	49.83	3.46
<i>For Steep Roof, Over 6 To 12, Add</i>	2.08	
<i>For 140 MPH Wind Load, Add</i>	1.55	
<i>For Panels &lt;16" Wide, Add</i>	3.77	
<i>For Up To 1,500, Add</i>	12.46	
<i>For &gt;1,500 To 5,000, Add</i>	7.47	
<i>For &gt;5,000 To 10,000, Add</i>	1.25	
<i>For Tin/Copper, Deduct</i>	-0.86	
07 61 16 00-0009 SF 0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing.....	55.90	3.62
<i>For Steep Roof, Over 6 To 12, Add</i>	2.17	
<i>For 140 MPH Wind Load, Add</i>	1.70	
<i>For Panels &lt;16" Wide, Add</i>	4.13	
<i>For Up To 1,500, Add</i>	13.98	
<i>For &gt;1,500 To 5,000, Add</i>	8.39	
<i>For &gt;5,000 To 10,000, Add</i>	1.40	
<i>For Tin/Copper, Deduct</i>	-0.97	

**07 Thermal And Moisture Protection****07 60 Flashing and Sheet Metal****07 61 Sheet Metal Roofing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 61 16 00-0010	SF 0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i> <i>For Tin/Copper, Deduct</i>	70.32 2.27 2.01 4.92 17.58 10.55 1.76 -1.25	3.80
<b>07 61 19 Flat Seam Sheet Metal Roofing (07 61)</b>			
07 61 19 00-0001	Copper Flat Seam Concealed Fastener Roofing (07 61 19)		
07 61 19 00-0002	Copper Flat Seam Concealed Fastener Roofing (07 61 19 00-0001)		
07 61 19 00-0003	SF 16 Ounce Copper Flat Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	30.71 1.99 1.15 2.76 7.68 4.61 0.77	3.32
07 61 19 00-0004	SF 18 Ounce Copper Flat Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	33.82 2.08 1.23 2.97 8.46 5.07 0.85	3.46
07 61 19 00-0005	SF 20 Ounce Copper Flat Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	39.25 2.17 1.36 3.30 9.81 5.89 0.98	3.62
07 61 19 00-0006	Zinc/Copper Flat Seam Concealed Fastener Roofing (07 61 19 00-0001)		
07 61 19 00-0007	SF 0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i> <i>For Tin/Copper, Deduct</i>	35.45 1.99 1.24 3.00 8.86 5.32 0.89 -0.58	3.32
07 61 19 00-0008	SF 0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i> <i>For Tin/Copper, Deduct</i>	43.42 2.08 1.42 3.45 10.86 6.51 1.09 -0.73	3.46
07 61 19 00-0009	SF 0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i> <i>For Tin/Copper, Deduct</i>	48.85 2.17 1.56 3.78 12.21 7.33 1.22 -0.83	3.62
07 61 19 00-0010	SF 0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i> <i>For Tin/Copper, Deduct</i>	61.36 2.27 1.83 4.47 15.34 9.20 1.53 -1.08	3.80
<b>07 62 Sheet Metal Flashing and Trim (07 62)</b>			
<b>07 62 13 Fabricated Copings (07 62)</b>			
07 62 13 00-0001	Lead Flashing And Trim (07 62 13)		
07 62 13 00-0002	SF 2.5 LB/SF Sheet Lead Flashing ..... <i>For Up To 100, Add</i>	22.18 5.55	5.09
07 62 13 00-0003	SF 4 LB/SF Sheet Lead Flashing ..... <i>For Up To 100, Add</i>	29.21 7.30	5.09
07 62 13 00-0004	Copper Flashing And Trim (07 62 13)		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 62 13 00-0005 Copper Flashing And Trim</b> <small>(07 62 13 00-0004)</small>		
07 62 13 00-0006 SF 16 Ounce, 0.021" Thick, Copper Flashing And Trim.....	27.41	4.97
For Up To 100, Add	6.85	
For >500 To 2,000, Deduct	-3.76	
For >2,000, Deduct	-4.64	
For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	1.97	
For Wrap Around Window Panning, Add	9.83	
07 62 13 00-0007 SF 20 Ounce, 0.027" Thick, Copper Flashing And Trim.....	28.29	5.09
For Up To 100, Add	7.07	
For >500 To 2,000, Deduct	-3.88	
For >2,000, Deduct	-4.78	
For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	2.05	
For Wrap Around Window Panning, Add	10.27	
07 62 13 00-0008 SF 24 Ounce, 0.032" Thick, Copper Flashing And Trim.....	32.39	5.43
For Up To 100, Add	8.10	
For >500 To 2,000, Deduct	-4.43	
For >2,000, Deduct	-5.51	
For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	2.15	
For Wrap Around Window Panning, Add	10.77	
07 62 13 00-0009 SF 32 Ounce, 0.043" Thick, Copper Flashing And Trim.....	40.13	5.65
For Up To 100, Add	10.03	
For >500 To 2,000, Deduct	-5.44	
For >2,000, Deduct	-6.88	
For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	2.26	
For Wrap Around Window Panning, Add	11.30	
<b>07 62 13 00-0010 Stainless Steel Flashing And Trim</b> <small>(07 62 13)</small>		
<b>07 62 13 00-0011 Stainless Steel Flashing And Trim</b> <small>(07 62 13 00-0010)</small>		
07 62 13 00-0012 SF 32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim.....	10.56	2.71
For Up To 100, Add	2.64	
For Wrap Around Window Panning, Add	6.98	
For Mechanically Keyed Flashing, Add	1.43	
07 62 13 00-0013 SF 30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim.....	11.56	3.05
For Up To 100, Add	2.89	
For Wrap Around Window Panning, Add	7.09	
For Mechanically Keyed Flashing, Add	1.79	
07 62 13 00-0014 SF 28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim.....	12.57	3.39
For Up To 100, Add	3.14	
For Wrap Around Window Panning, Add	7.21	
For Mechanically Keyed Flashing, Add	2.14	
07 62 13 00-0015 SF 26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim.....	14.14	3.73
For Up To 100, Add	3.54	
For Wrap Around Window Panning, Add	7.43	
For Mechanically Keyed Flashing, Add	2.68	
07 62 13 00-0016 SF 24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim.....	16.79	3.96
For Up To 100, Add	4.20	
For Wrap Around Window Panning, Add	7.85	
For Mechanically Keyed Flashing, Add	3.58	
07 62 13 00-0017 SF 22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim.....	18.40	4.15
For Up To 100, Add	4.60	
For Wrap Around Window Panning, Add	8.31	
For Mechanically Keyed Flashing, Add	4.04	
07 62 13 00-0018 SF 20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim.....	19.72	4.41
For Up To 100, Add	4.93	
For Wrap Around Window Panning, Add	8.79	
For Mechanically Keyed Flashing, Add	4.37	
<b>07 62 13 00-0019 Aluminum Flashing And Trim</b> <small>(07 62 13)</small>		
<b>07 62 13 00-0020 Aluminum Flashing And Trim</b> <small>(07 62 13 00-0019)</small>		
07 62 13 00-0021 SF 0.013" Thick, Mill Finish, Aluminum Flashing And Trim.....	10.76	3.50
For Up To 100, Add	2.69	
For Baked Aluminum Colors, Add	0.30	
For Wrap Around Window Panning, Add	7.79	
07 62 13 00-0022 SF 0.016" Thick, Mill Finish, Aluminum Flashing And Trim.....	11.41	3.50
For Up To 100, Add	2.85	
For Baked Aluminum Colors, Add	0.36	
For Wrap Around Window Panning, Add	7.79	
07 62 13 00-0023 SF 0.019" Thick, Mill Finish, Aluminum Flashing And Trim.....	11.93	3.50
For Up To 100, Add	2.98	
For Baked Aluminum Colors, Add	0.41	
For Wrap Around Window Panning, Add	7.79	
07 62 13 00-0024 SF 0.024" Thick, Mill Finish, Aluminum Flashing And Trim.....	12.67	3.50
For Up To 100, Add	3.17	
For Baked Aluminum Colors, Add	0.49	
For Wrap Around Window Panning, Add	7.79	
07 62 13 00-0025 SF 0.032" Thick, Mill Finish, Aluminum Flashing And Trim.....	13.71	3.50
For Up To 100, Add	3.43	
For Baked Aluminum Colors, Add	0.59	
For Wrap Around Window Panning, Add	7.79	

**07 Thermal And Moisture Protection****07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0026	SF		0.040" Thick, Mill Finish, Aluminum Flashing And Trim .....	14.35	3.50
			<i>For Up To 100, Add</i>	3.59	
			<i>For Baked Aluminum Colors, Add</i>	0.66	
			<i>For Wrap Around Window Panning, Add</i>	7.79	
07 62 13 00-0027	SF		0.050" Thick, Mill Finish, Aluminum Flashing And Trim .....	14.87	3.50
			<i>For Up To 100, Add</i>	3.72	
			<i>For Baked Aluminum Colors, Add</i>	0.71	
			<i>For Wrap Around Window Panning, Add</i>	7.79	
<b>07 62 13 00-0028</b>			<b>Steel Flashing And Trim</b> <small>(07 62 13)</small>		
<b>07 62 13 00-0029</b>			<b>Galvanized Steel Flashing And Trim</b> <small>(07 62 13 00-0028)</small>		
07 62 13 00-0030	SF		28 Gauge, 0.019" Thick, Galvanized Steel Flashing.....	12.60	3.39
			<i>For Up To 100, Add</i>	3.15	
			<i>For Wrap Around Window Panning, Add</i>	7.21	
07 62 13 00-0031	SF		26 Gauge, 0.022" Thick, Galvanized Steel Flashing.....	13.12	3.73
			<i>For Up To 100, Add</i>	3.28	
			<i>For Wrap Around Window Panning, Add</i>	7.43	
07 62 13 00-0032	SF		24 Gauge, 0.028" Thick, Galvanized Steel Flashing.....	13.99	3.96
			<i>For Up To 100, Add</i>	3.50	
			<i>For Wrap Around Window Panning, Add</i>	7.85	
07 62 13 00-0033	SF		22 Gauge, 0.034" Thick, Galvanized Steel Flashing.....	14.90	4.15
			<i>For Up To 100, Add</i>	3.73	
			<i>For Wrap Around Window Panning, Add</i>	8.31	
07 62 13 00-0034	SF		20 Gauge, 0.04" Thick, Galvanized Steel Flashing.....	16.15	4.41
			<i>For Up To 100, Add</i>	4.04	
			<i>For Wrap Around Window Panning, Add</i>	8.79	
<b>07 62 19</b>			<b>Fabricated Gravel Stops and Fasciae</b> <small>(07 62)</small>		
07 62 19 00-0001			<b>Drip Edge</b> <small>(07 62 19)</small>		
07 62 19 00-0002			<b>Aluminum Drip Edge</b> <small>(07 62 19 00-0001)</small>		
			Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0003			<b>KYNAR 500® Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0002)</small>		
07 62 19 00-0004			<b>0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0003)</small>		
07 62 19 00-0005	LF		Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	11.58	1.47
07 62 19 00-0006	LF		>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	14.55	1.57
07 62 19 00-0007	LF		>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	16.47	1.77
07 62 19 00-0008	LF		>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	19.93	1.86
07 62 19 00-0009	LF		>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	25.66	1.96
07 62 19 00-0010			<b>0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0003)</small>		
07 62 19 00-0011	LF		Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	12.44	1.47
07 62 19 00-0012	LF		>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	15.50	1.57
07 62 19 00-0013	LF		>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	17.90	1.77
07 62 19 00-0014	LF		>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	21.65	1.86
07 62 19 00-0015	LF		>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	27.29	1.96
07 62 19 00-0016			<b>0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0003)</small>		
07 62 19 00-0017	LF		Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	13.30	1.47
07 62 19 00-0018	LF		>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	16.65	1.57
07 62 19 00-0019	LF		>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	19.29	1.77
07 62 19 00-0020	LF		>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	23.37	1.86
07 62 19 00-0021	LF		>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	29.58	1.96
07 62 19 00-0022			<b>0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0003)</small>		
07 62 19 00-0023	LF		Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	15.02	1.47
07 62 19 00-0024	LF		>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	18.94	1.57
07 62 19 00-0025	LF		>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	22.01	1.77
07 62 19 00-0026	LF		>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	26.81	1.86
07 62 19 00-0027	LF		>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	34.17	1.96
07 62 19 00-0028			<b>0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0003)</small>		
07 62 19 00-0029	LF		Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	15.59	1.47
07 62 19 00-0030	LF		>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	19.80	1.57
07 62 19 00-0031	LF		>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	22.92	1.77
07 62 19 00-0032	LF		>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	27.95	1.86
07 62 19 00-0033	LF		>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	35.70	1.96
07 62 19 00-0034			<b>0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0003)</small>		
07 62 19 00-0035	LF		Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	17.60	1.47
07 62 19 00-0036	LF		>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	22.38	1.57
07 62 19 00-0037	LF		>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	26.07	1.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0038 LF >9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	31.97	1.86
07 62 19 00-0039 LF >12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	41.05	1.96
<b>07 62 19 00-0040 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)</b>		
07 62 19 00-0041 LF Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	20.47	1.47
07 62 19 00-0042 LF >5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	26.21	1.57
07 62 19 00-0043 LF >7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	30.61	1.77
07 62 19 00-0044 LF >9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	37.70	1.86
07 62 19 00-0045 LF >12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	48.69	1.96
<b>07 62 19 00-0046 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)</b>		
07 62 19 00-0047 LF Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	23.91	1.47
07 62 19 00-0048 LF >5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	30.79	1.57
07 62 19 00-0049 LF >7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	36.06	1.77
07 62 19 00-0050 LF >9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	44.58	1.86
07 62 19 00-0051 LF >12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	57.87	1.96
<b>07 62 19 00-0052 Mill Finish, Aluminum Drip Edge (07 62 19 00-0002)</b>		
<b>07 62 19 00-0053 0.016" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)</b>		
07 62 19 00-0054 LF Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	9.35	1.47
07 62 19 00-0055 LF >5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	11.52	1.57
07 62 19 00-0056 LF >7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	12.97	1.77
07 62 19 00-0057 LF >9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	15.48	1.86
07 62 19 00-0058 LF >12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	19.52	1.96
<b>07 62 19 00-0059 0.019" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)</b>		
07 62 19 00-0060 LF Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	9.95	1.47
07 62 19 00-0061 LF >5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	12.18	1.57
07 62 19 00-0062 LF >7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	13.96	1.77
07 62 19 00-0063 LF >9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	16.66	1.86
07 62 19 00-0064 LF >12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	20.64	1.96
<b>07 62 19 00-0065 0.025" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)</b>		
07 62 19 00-0066 LF Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	10.54	1.47
07 62 19 00-0067 LF >5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	12.97	1.57
07 62 19 00-0068 LF >7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	14.91	1.77
07 62 19 00-0069 LF >9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	17.85	1.86
07 62 19 00-0070 LF >12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	22.23	1.96
<b>07 62 19 00-0071 0.032" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)</b>		
07 62 19 00-0072 LF Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	11.73	1.47
07 62 19 00-0073 LF >5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	14.55	1.57
07 62 19 00-0074 LF >7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	16.79	1.77
07 62 19 00-0075 LF >9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	20.22	1.86
07 62 19 00-0076 LF >12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	25.39	1.96
<b>07 62 19 00-0077 0.040" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)</b>		
07 62 19 00-0078 LF Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	12.12	1.47
07 62 19 00-0079 LF >5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	15.15	1.57
07 62 19 00-0080 LF >7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	17.42	1.77
07 62 19 00-0081 LF >9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	21.01	1.86
07 62 19 00-0082 LF >12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	26.44	1.96
<b>07 62 19 00-0083 0.050" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)</b>		
07 62 19 00-0084 LF Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	13.51	1.47
07 62 19 00-0085 LF >5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	16.93	1.57
07 62 19 00-0086 LF >7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	19.59	1.77
07 62 19 00-0087 LF >9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	23.78	1.86
07 62 19 00-0088 LF >12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	30.13	1.96
<b>07 62 19 00-0089 0.063" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)</b>		
07 62 19 00-0090 LF Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	15.48	1.47
07 62 19 00-0091 LF >5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	19.56	1.57
07 62 19 00-0092 LF >7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	22.72	1.77
07 62 19 00-0093 LF >9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	27.74	1.86
07 62 19 00-0094 LF >12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	35.41	1.96
<b>07 62 19 00-0095 0.080" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)</b>		

**07 Thermal And Moisture Protection****07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
07 62 19 00-0096	LF	Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....		17.86	1.47
07 62 19 00-0097	LF	>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....		22.73	1.57
07 62 19 00-0098	LF	>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....		26.48	1.77
07 62 19 00-0099	LF	>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....		32.48	1.86
07 62 19 00-0100	LF	>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....		41.73	1.96
07 62 19 00-0101		<b>Clear Anodized Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0002)</small>			
07 62 19 00-0102		<b>0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0101)</small>			
07 62 19 00-0103	LF	Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		12.01	1.47
07 62 19 00-0104	LF	>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		15.13	1.57
07 62 19 00-0105	LF	>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		17.14	1.77
07 62 19 00-0106	LF	>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		20.79	1.86
07 62 19 00-0107	LF	>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		26.85	1.96
07 62 19 00-0108		<b>0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0101)</small>			
07 62 19 00-0109	LF	Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		12.92	1.47
07 62 19 00-0110	LF	>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		16.15	1.57
07 62 19 00-0111	LF	>7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		18.66	1.77
07 62 19 00-0112	LF	>9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		22.61	1.86
07 62 19 00-0113	LF	>12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		28.57	1.96
07 62 19 00-0114		<b>0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0101)</small>			
07 62 19 00-0115	LF	Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		13.83	1.47
07 62 19 00-0116	LF	>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		17.36	1.57
07 62 19 00-0117	LF	>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		20.13	1.77
07 62 19 00-0118	LF	>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		24.43	1.86
07 62 19 00-0119	LF	>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		31.00	1.96
07 62 19 00-0120		<b>0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0101)</small>			
07 62 19 00-0121	LF	Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		15.65	1.47
07 62 19 00-0122	LF	>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		19.79	1.57
07 62 19 00-0123	LF	>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		23.02	1.77
07 62 19 00-0124	LF	>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		28.08	1.86
07 62 19 00-0125	LF	>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		35.87	1.96
07 62 19 00-0126		<b>0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0101)</small>			
07 62 19 00-0127	LF	Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		16.26	1.47
07 62 19 00-0128	LF	>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		20.70	1.57
07 62 19 00-0129	LF	>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		23.98	1.77
07 62 19 00-0130	LF	>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		29.29	1.86
07 62 19 00-0131	LF	>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		37.49	1.96
07 62 19 00-0132		<b>0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0101)</small>			
07 62 19 00-0133	LF	Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		18.39	1.47
07 62 19 00-0134	LF	>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		23.44	1.57
07 62 19 00-0135	LF	>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		27.32	1.77
07 62 19 00-0136	LF	>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		33.55	1.86
07 62 19 00-0137	LF	>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		43.16	1.96
07 62 19 00-0138		<b>0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0101)</small>			
07 62 19 00-0139	LF	Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		21.43	1.47
07 62 19 00-0140	LF	>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		27.49	1.57
07 62 19 00-0141	LF	>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		32.14	1.77
07 62 19 00-0142	LF	>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		39.63	1.86
07 62 19 00-0143	LF	>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		51.26	1.96
07 62 19 00-0144		<b>0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0101)</small>			
07 62 19 00-0145	LF	Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		25.08	1.47
07 62 19 00-0146	LF	>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		32.35	1.57
07 62 19 00-0147	LF	>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		37.91	1.77
07 62 19 00-0148	LF	>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		46.92	1.86
07 62 19 00-0149	LF	>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....		60.99	1.96
07 62 19 00-0150		<b>Galvanized Steel Drip Edge</b> <small>(07 62 19 00-0001)</small> Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.			
07 62 19 00-0151		<b>Galvanized Steel Drip Edge</b> <small>(07 62 19 00-0150)</small>			
07 62 19 00-0152		<b>26 Gauge, Galvanized Steel Drip Edge</b> <small>(07 62 19 00-0151)</small>			
07 62 19 00-0153	LF	Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge.....		11.08	1.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0154 LF >5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	13.76	1.57
07 62 19 00-0155 LF >7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	15.77	1.77
07 62 19 00-0156 LF >9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	18.94	1.86
07 62 19 00-0157 LF >12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	23.68	1.96
<b>07 62 19 00-0158 24 Gauge, Galvanized Steel Drip Edge (07 62 19 00-0151)</b>		
07 62 19 00-0159 LF Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	12.09	1.47
07 62 19 00-0160 LF >5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	15.10	1.57
07 62 19 00-0161 LF >7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	17.36	1.77
07 62 19 00-0162 LF >9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	20.95	1.86
07 62 19 00-0163 LF >12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	26.34	1.96
<b>07 62 19 00-0164 KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0150)</b>		
<b>07 62 19 00-0165 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0164)</b>		
07 62 19 00-0166 LF Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	14.09	1.47
07 62 19 00-0167 LF >5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	17.79	1.57
07 62 19 00-0168 LF >7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	20.54	1.77
07 62 19 00-0169 LF >9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	24.95	1.86
07 62 19 00-0170 LF >12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	31.69	1.96
<b>07 62 19 00-0171 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0164)</b>		
07 62 19 00-0172 LF Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	15.54	1.47
07 62 19 00-0173 LF >5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	19.74	1.57
07 62 19 00-0174 LF >7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	22.84	1.77
07 62 19 00-0175 LF >9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	27.85	1.86
07 62 19 00-0176 LF >12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	35.56	1.96
<b>07 62 19 00-0177 Stainless Steel Drip Edge (07 62 19 00-0001)</b>		
Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
<b>07 62 19 00-0178 26 Gauge, Stainless Steel Drip Edge (07 62 19 00-0177)</b>		
07 62 19 00-0179 LF Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge.....	19.63	1.47
07 62 19 00-0180 LF >5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge.....	25.09	1.57
07 62 19 00-0181 LF >7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge.....	29.29	1.77
07 62 19 00-0182 LF >9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge.....	36.03	1.86
07 62 19 00-0183 LF >12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge.....	46.46	1.96
<b>07 62 19 00-0184 24 Gauge, Stainless Steel Drip Edge (07 62 19 00-0177)</b>		
07 62 19 00-0185 LF Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge.....	24.42	1.47
07 62 19 00-0186 LF >5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge.....	31.48	1.57
07 62 19 00-0187 LF >7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge.....	36.90	1.77
07 62 19 00-0188 LF >9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge.....	45.61	1.86
07 62 19 00-0189 LF >12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge.....	59.24	1.96
<b>07 62 19 00-0190 22 Gauge, Stainless Steel Drip Edge (07 62 19 00-0177)</b>		
07 62 19 00-0191 LF Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge.....	30.06	1.47
07 62 19 00-0192 LF >5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge.....	39.00	1.57
07 62 19 00-0193 LF >7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge.....	45.82	1.77
07 62 19 00-0194 LF >9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge.....	56.88	1.86
07 62 19 00-0195 LF >12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge.....	74.27	1.96
<b>07 63 Sheet Metal Roofing Specialties (07 60)</b>		
<b>07 63 00 00-0001 Pitch Pockets (07 63)</b>		
Note: Cut into deck, filled with non-shrink grout, includes blocking.		
<b>07 63 00 00-0002 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)</b>		
07 63 00 00-0003 EA 4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	91.55	
For Pourable Sealer Filled, Add	37.92	
For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	18.97	
07 63 00 00-0004 EA 6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	111.02	
For Pourable Sealer Filled, Add	85.37	
For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	42.80	
07 63 00 00-0005 EA 8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	135.55	
For Pourable Sealer Filled, Add	151.67	
For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	75.66	
07 63 00 00-0006 EA 8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	148.54	
For Pourable Sealer Filled, Add	189.59	
For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	95.11	
07 63 00 00-0007 EA 8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	160.96	
For Pourable Sealer Filled, Add	227.51	
For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	113.77	

**07 Thermal And Moisture Protection****07 60 Flashing and Sheet Metal****07 63 Sheet Metal Roofing Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0008	SF		24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	189.10	
			<i>For Pourable Sealer Filled, Add</i>	341.27	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	169.58	
<b>07 63 00 00-0009</b>			<b>16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets</b> (07 63 00 00-0001)		
07 63 00 00-0010	EA		4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	104.46	
			<i>For Pourable Sealer Filled, Add</i>	37.92	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	18.97	
07 63 00 00-0011	EA		6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	125.58	
			<i>For Pourable Sealer Filled, Add</i>	85.37	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	42.80	
07 63 00 00-0012	EA		8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	153.18	
			<i>For Pourable Sealer Filled, Add</i>	151.67	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	75.66	
07 63 00 00-0013	EA		8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	169.60	
			<i>For Pourable Sealer Filled, Add</i>	189.59	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	95.11	
07 63 00 00-0014	EA		8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	182.65	
			<i>For Pourable Sealer Filled, Add</i>	227.51	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	113.77	
07 63 00 00-0015	SF		16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	212.55	
			<i>For Pourable Sealer Filled, Add</i>	341.27	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	169.58	
<b>07 63 00 00-0016</b>			<b>24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets</b> (07 63 00 00-0001)		
07 63 00 00-0017	EA		4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	111.68	
			<i>For Pourable Sealer Filled, Add</i>	37.92	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	18.97	
07 63 00 00-0018	EA		6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	133.45	
			<i>For Pourable Sealer Filled, Add</i>	85.37	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	42.80	
07 63 00 00-0019	EA		8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	154.31	
			<i>For Pourable Sealer Filled, Add</i>	151.67	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	75.66	
07 63 00 00-0020	EA		8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	166.57	
			<i>For Pourable Sealer Filled, Add</i>	189.59	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	95.11	
07 63 00 00-0021	EA		8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	178.08	
			<i>For Pourable Sealer Filled, Add</i>	227.51	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	113.77	
07 63 00 00-0022	SF		24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	204.17	
			<i>For Pourable Sealer Filled, Add</i>	341.27	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	169.58	
<b>07 63 00 00-0023</b>			<b>Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout</b> (07 63 00 00-0001)		
			Note: Includes removing existing filler and refilling with non-shrink grout.		
07 63 00 00-0024	EA		Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout.....	66.03	
			<i>For Pourable Sealer Filled, Add</i>	37.92	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	18.97	
07 63 00 00-0025	EA		Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout.....	76.94	
			<i>For Pourable Sealer Filled, Add</i>	85.37	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	42.80	
07 63 00 00-0026	EA		Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout.....	91.55	
			<i>For Pourable Sealer Filled, Add</i>	151.67	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	75.66	
07 63 00 00-0027	EA		Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout.....	100.71	
			<i>For Pourable Sealer Filled, Add</i>	189.59	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	95.11	
07 63 00 00-0028	EA		Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout.....	109.87	
			<i>For Pourable Sealer Filled, Add</i>	227.51	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	113.77	
07 63 00 00-0029	SF		Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout.....	133.44	
			<i>For Pourable Sealer Filled, Add</i>	341.27	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	169.58	
<b>07 63 00 00-0030</b>			<b>Lead Pipe Flashing For Roofs</b> (07 63)		
			Note: Includes 6" skirt base.		
07 63 00 00-0031	EA		1-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3/4" Pipe.....	94.45	27.54
07 63 00 00-0032	EA		1-1/2" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 1" Pipe.....	94.45	27.54
07 63 00 00-0033	EA		2-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 2" Pipe.....	116.53	27.54
07 63 00 00-0034	EA		3-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3" Pipe.....	129.14	27.54
07 63 00 00-0035	EA		4-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe.....	135.45	27.54
07 63 00 00-0036	EA		4-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 4" Pipe.....	138.60	27.54
07 63 00 00-0037	EA		6-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 6" Pipe.....	170.14	27.54
07 63 00 00-0038	EA		8-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 8" Pipe.....	184.33	27.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 63 00 00-0039 Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing</b> <small>(07 63)</small>		
07 63 00 00-0040 EA 2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	72.53	17.79
07 63 00 00-0041 EA 3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	73.61	17.79
07 63 00 00-0042 EA 4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	77.51	17.79
07 63 00 00-0043 EA 6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	80.87	17.79
 <b>07 65 Flexible Flashing</b> <small>(07 60)</small>		
<b>07 65 16 Modified Bituminous Sheet Flashing</b> <small>(07 65)</small>		
<b>07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems</b> <small>(07 65 16)</small>		
<small>See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.</small>		
07 65 16 00-0002 SF 60 Mil, Urethane Elastomer Liquid Applied Flashing .....	13.88	1.88
<small>Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat.</small>		
 <b>07 65 19 Plastic Sheet Flashing</b> <small>(07 65)</small>		
<b>07 65 19 00-0001 Plastic Flashing And Trim</b> <small>(07 65 19)</small>		
<b>07 65 19 00-0002 Neoprene Flashing</b> <small>(07 65 19 00-0001)</small>		
<b>07 65 19 00-0003 60 Mil Neoprene Flashing</b> <small>(07 65 19 00-0002)</small>		
07 65 19 00-0004 LF 6" Wide Strip, 60 Mil, Neoprene Flashing .....	8.65	2.64
07 65 19 00-0005 LF 12" Wide Strip, 60 Mil, Neoprene Flashing .....	11.75	2.84
07 65 19 00-0006 LF 18" Wide Strip, 60 Mil, Neoprene Flashing .....	15.12	3.13
07 65 19 00-0007 LF 24" Wide Strip, 60 Mil, Neoprene Flashing .....	18.68	3.53
 <b>07 65 33 Flexible Roof Boot</b> <small>(07 65)</small>		
<b>07 65 33 00-0001 Neoprene Roof Boot</b> <small>(07 65 33)</small>		
07 65 33 00-0002 EA 2" Diameter Pipe, Neoprene Roof Boot .....	36.11	8.14
07 65 33 00-0003 EA 3" Diameter Pipe, Neoprene Roof Boot .....	42.26	9.11
07 65 33 00-0004 EA 4" Diameter Pipe, Neoprene Roof Boot .....	46.79	9.81
 <b>07 70 Roof and Wall Specialties and Accessories</b> <small>(07)</small>		
<b>07 71 Roof Specialties</b> <small>(07 70)</small>		
<b>07 71 13 Manufactured Copings</b> <small>(07 71)</small>		
<b>07 71 13 00-0001 Galvanized Steel Copings</b> <small>(07 71 13)</small>		
<b>07 71 13 00-0002 KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0001)</small>		
<small>Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.</small>		
07 71 13 00-0003 LF 10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	32.56	2.12
07 71 13 00-0004 LF >14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	34.35	2.29
07 71 13 00-0005 LF >16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	39.19	2.41
07 71 13 00-0006 LF >22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	45.55	2.64
07 71 13 00-0007 LF >30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	55.11	2.76
 <b>07 71 13 00-0008 Aluminum Copings</b> <small>(07 71 13)</small>		
<b>07 71 13 00-0009 Mill Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0008)</small>		
<small>Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.</small>		
<b>07 71 13 00-0010 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0009)</small>		
07 71 13 00-0011 LF 10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	25.79	2.12
07 71 13 00-0012 LF >14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	27.53	2.29
07 71 13 00-0013 LF >16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	32.12	2.41
07 71 13 00-0014 LF >22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	38.38	2.64
07 71 13 00-0015 LF >30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	47.76	2.76
 <b>07 71 13 00-0016 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0009)</small>		
07 71 13 00-0017 LF 10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	28.01	2.12
07 71 13 00-0018 LF >14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	29.90	2.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0019 LF >16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	34.93	2.41
07 71 13 00-0020 LF >22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	41.78	2.64
07 71 13 00-0021 LF >30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	52.08	2.76
<b>07 71 13 00-0022 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0009)</small>		
07 71 13 00-0023 LF 10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	29.84	2.12
07 71 13 00-0024 LF >14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	32.02	2.29
07 71 13 00-0025 LF >16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	38.42	2.41
07 71 13 00-0026 LF >22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	48.04	2.64
07 71 13 00-0027 LF >30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	62.21	2.76
<b>07 71 13 00-0028 KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0008)</small>		
Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
<b>07 71 13 00-0029 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0028)</small>		
07 71 13 00-0030 LF 10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	35.80	2.12
07 71 13 00-0031 LF >14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	38.20	2.29
07 71 13 00-0032 LF >16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	44.77	2.41
07 71 13 00-0033 LF >22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	53.67	2.64
07 71 13 00-0034 LF >30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	67.18	2.76
<b>07 71 13 00-0035 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0028)</small>		
07 71 13 00-0036 LF 10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	39.03	2.12
07 71 13 00-0037 LF >14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	41.63	2.29
07 71 13 00-0038 LF >16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	48.84	2.41
07 71 13 00-0039 LF >22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	58.59	2.64
07 71 13 00-0040 LF >30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	73.44	2.76
<b>07 71 13 00-0041 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0028)</small>		
07 71 13 00-0042 LF 10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	41.68	2.12
07 71 13 00-0043 LF >14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	44.70	2.29
07 71 13 00-0044 LF >16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	53.90	2.41
07 71 13 00-0045 LF >22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	67.67	2.64
07 71 13 00-0046 LF >30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	88.13	2.76
<b>07 71 13 00-0047 Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0008)</small>		
Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
<b>07 71 13 00-0048 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0047)</small>		
07 71 13 00-0049 LF 10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	37.74	2.12
07 71 13 00-0050 LF >14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	40.26	2.29
07 71 13 00-0051 LF >16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	47.21	2.41
07 71 13 00-0052 LF >22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	56.62	2.64
07 71 13 00-0053 LF >30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	70.94	2.76





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 71 13 00-0054</b> 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>		
07 71 13 00-0055 LF 10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	41.16	2.12
07 71 13 00-0056 LF >14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	43.90	2.29
07 71 13 00-0057 LF >16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	51.53	2.41
07 71 13 00-0058 LF >22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	61.84	2.64
07 71 13 00-0059 LF >30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	77.57	2.76
<b>07 71 13 00-0060</b> 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>		
07 71 13 00-0061 LF 10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	43.97	2.12
07 71 13 00-0062 LF >14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	47.15	2.29
07 71 13 00-0063 LF >16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	56.90	2.41
07 71 13 00-0064 LF >22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	71.47	2.64
07 71 13 00-0065 LF >30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	93.14	2.76
<b>07 71 13 00-0066</b> Removal And Reinstallation Of Metal Coping <small>(07 71 13)</small>		
07 71 13 00-0067 LF Removal And Reinstallation Of Metal Coping .....	7.85	
<b>07 71 19</b> <b>Manufactured Gravel Stops and Fasciae</b> <small>(07 71)</small>		
07 71 19 00-0001 Gravel Stop <small>(07 71 19)</small>		
07 71 19 00-0002 Aluminum Gravel Stop <small>(07 71 19 00-0001)</small>		
07 71 19 00-0003 Aluminum Gravel Stop <small>(07 71 19 00-0002)</small>		
07 71 19 00-0004 KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0003)</small>		
07 71 19 00-0005 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>		
07 71 19 00-0006 LF 4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	37.19	1.67
07 71 19 00-0007 LF >6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	38.34	1.96
07 71 19 00-0008 LF >10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	39.55	2.16
07 71 19 00-0009 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>		
07 71 19 00-0010 LF 4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	39.57	1.67
07 71 19 00-0011 LF >6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	40.82	1.96
07 71 19 00-0012 LF >10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	42.16	2.16
07 71 19 00-0013 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>		
07 71 19 00-0014 LF 4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	42.67	1.67
07 71 19 00-0015 LF >6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	43.79	1.96
07 71 19 00-0016 LF >10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	45.46	2.16
07 71 19 00-0017 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>		
07 71 19 00-0018 LF 4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	44.77	1.67
07 71 19 00-0019 LF >6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	45.97	1.96
07 71 19 00-0020 LF >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	47.76	2.16
07 71 19 00-0021 Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0003)</small>		
07 71 19 00-0022 0.032" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0023 LF 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop .....	24.01	1.67
07 71 19 00-0024 LF >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop .....	25.83	1.96
07 71 19 00-0025 LF >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop .....	27.66	2.16
07 71 19 00-0026 0.040" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0027 LF 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop .....	25.99	1.67
07 71 19 00-0028 LF >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop .....	27.54	1.96
07 71 19 00-0029 LF >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop .....	28.98	2.16
07 71 19 00-0030 0.050" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0031	LF		4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop.....	27.97	1.67
07 71 19 00-0032	LF		>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop .....	29.52	1.96
07 71 19 00-0033	LF		>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop .....	31.12	2.16
<b>07 71 19 00-0034</b>			<b>0.063" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)</b>		
07 71 19 00-0035	LF		4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop.....	30.11	1.67
07 71 19 00-0036	LF		>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop .....	31.49	1.96
07 71 19 00-0037	LF		>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop .....	32.71	2.16
<b>07 71 19 00-0038</b>			<b>Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0003)</b>		
<b>07 71 19 00-0039</b>			<b>0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)</b>		
07 71 19 00-0040	LF		4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	44.51	1.67
07 71 19 00-0041	LF		>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	45.97	1.96
07 71 19 00-0042	LF		>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	47.28	2.16
<b>07 71 19 00-0043</b>			<b>0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)</b>		
07 71 19 00-0044	LF		4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	47.36	1.67
07 71 19 00-0045	LF		>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	48.95	1.96
07 71 19 00-0046	LF		>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	50.40	2.16
<b>07 71 19 00-0047</b>			<b>0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)</b>		
07 71 19 00-0048	LF		4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	51.08	1.67
07 71 19 00-0049	LF		>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	52.51	1.96
07 71 19 00-0050	LF		>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	53.69	2.16
<b>07 71 19 00-0051</b>			<b>0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)</b>		
07 71 19 00-0052	LF		4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	53.60	1.67
07 71 19 00-0053	LF		>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	55.12	1.96
07 71 19 00-0054	LF		>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	56.41	2.16
<b>07 71 19 00-0055</b>			<b>Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0002)</b>		
			Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
<b>07 71 19 00-0056</b>			<b>KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)</b>		
<b>07 71 19 00-0057</b>			<b>0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)</b>		
07 71 19 00-0058	LF		4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	41.97	1.77
07 71 19 00-0059	LF		>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	44.52	2.11
07 71 19 00-0060	LF		>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	47.48	2.40
<b>07 71 19 00-0061</b>			<b>0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)</b>		
07 71 19 00-0062	LF		4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	44.35	1.77
07 71 19 00-0063	LF		>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	47.00	2.11
07 71 19 00-0064	LF		>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	50.09	2.40
<b>07 71 19 00-0065</b>			<b>0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)</b>		
07 71 19 00-0066	LF		4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	47.45	1.77
07 71 19 00-0067	LF		>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	49.97	2.11
07 71 19 00-0068	LF		>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	53.39	2.40
<b>07 71 19 00-0069</b>			<b>0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)</b>		
07 71 19 00-0070	LF		4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	49.55	1.77
07 71 19 00-0071	LF		>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	52.15	2.11
07 71 19 00-0072	LF		>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	55.69	2.40



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0073		Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0074		0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0075	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	30.62	1.77
07 71 19 00-0076	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	32.68	2.11
07 71 19 00-0077	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	35.10	2.40
07 71 19 00-0078		0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0079	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	32.26	1.77
07 71 19 00-0080	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	34.39	2.11
07 71 19 00-0081	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	36.91	2.40
07 71 19 00-0082		0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0083	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	34.40	1.77
07 71 19 00-0084	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	36.44	2.11
07 71 19 00-0085	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	39.05	2.40
07 71 19 00-0086		0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0087	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	35.85	1.77
07 71 19 00-0088	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	37.94	2.11
07 71 19 00-0089	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	40.64	2.40
07 71 19 00-0090		Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0091		0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0090)</small>		
07 71 19 00-0092	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	49.29	1.77
07 71 19 00-0093	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	52.15	2.11
07 71 19 00-0094	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	55.21	2.40
07 71 19 00-0095		0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0090)</small>		
07 71 19 00-0096	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	52.14	1.77
07 71 19 00-0097	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	55.13	2.11
07 71 19 00-0098	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	58.33	2.40
07 71 19 00-0099		0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0090)</small>		
07 71 19 00-0100	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	55.86	1.77
07 71 19 00-0101	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	58.69	2.11
07 71 19 00-0102	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	61.62	2.40
07 71 19 00-0103		0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0090)</small>		
07 71 19 00-0104	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	58.38	1.77
07 71 19 00-0105	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	61.30	2.11
07 71 19 00-0106	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	64.34	2.40
07 71 19 00-0107		Stainless Steel Gravel Stop <small>(07 71 19 00-0001)</small>		
07 71 19 00-0108		Stainless Steel Gravel Stop <small>(07 71 19 00-0107)</small>		
07 71 19 00-0109		26 Gauge, Stainless Steel Gravel Stop <small>(07 71 19 00-0108)</small>		
07 71 19 00-0110	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	36.00	1.67
07 71 19 00-0111	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	47.41	1.96
07 71 19 00-0112	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	70.64	2.16

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0113			<b>24 Gauge, Stainless Steel Gravel Stop</b> (07 71 19 00-0108)		
07 71 19 00-0114	LF		4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	45.01	1.67
07 71 19 00-0115	LF		>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	59.43	1.96
07 71 19 00-0116	LF		>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	88.68	2.16
07 71 19 00-0117			<b>22 Gauge, Stainless Steel Gravel Stop</b> (07 71 19 00-0108)		
07 71 19 00-0118	LF		4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	54.60	1.67
07 71 19 00-0119	LF		>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	72.21	1.96
07 71 19 00-0120	LF		>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	107.84	2.16
07 71 19 00-0121			<b>Stainless Steel Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0107) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122			<b>26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0121)		
07 71 19 00-0123	LF		4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	42.60	1.77
07 71 19 00-0124	LF		>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	55.97	2.11
07 71 19 00-0125	LF		>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	81.65	2.40
07 71 19 00-0126			<b>24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0121)		
07 71 19 00-0127	LF		4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	51.62	1.77
07 71 19 00-0128	LF		>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	68.00	2.11
07 71 19 00-0129	LF		>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	99.69	2.40
07 71 19 00-0130			<b>22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0121)		
07 71 19 00-0131	LF		4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	61.20	1.77
07 71 19 00-0132	LF		>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	80.77	2.11
07 71 19 00-0133	LF		>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	118.86	2.40
07 71 19 00-0134			<b>Galvanized Steel Gravel Stop</b> (07 71 19 00-0001)		
07 71 19 00-0135			<b>Galvanized Steel Gravel Stop</b> (07 71 19 00-0134)		
07 71 19 00-0136			<b>KYNAR 500® Finish, Galvanized Steel Gravel Stop</b> (07 71 19 00-0135)		
07 71 19 00-0137			<b>24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop</b> (07 71 19 00-0136)		
07 71 19 00-0138	LF		4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	34.42	1.67
07 71 19 00-0139	LF		>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	35.52	1.96
07 71 19 00-0140	LF		>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	36.88	2.16
07 71 19 00-0141			<b>Galvanized Steel Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0134) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0142			<b>KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0141)		
07 71 19 00-0143			<b>24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0142)		
07 71 19 00-0144	LF		4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat .....	39.40	1.77
07 71 19 00-0145	LF		>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat .....	41.95	2.11
07 71 19 00-0146	LF		>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat .....	45.14	2.40
07 71 19 00-0147			<b>Copper Gravel Stop</b> (07 71 19 00-0001)		
07 71 19 00-0148			<b>Copper Gravel Stop</b> (07 71 19 00-0147)		
07 71 19 00-0149			<b>20 Ounce, Copper Gravel Stop</b> (07 71 19 00-0148)		
07 71 19 00-0150	LF		4" To 6" Face Height, 20 Ounce, Copper Gravel Stop.....	58.11	1.67
07 71 19 00-0151	LF		>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop.....	66.52	1.96
07 71 19 00-0152	LF		>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop.....	76.86	2.16
07 71 19 00-0153			<b>16 Ounce, Copper Gravel Stop</b> (07 71 19 00-0148)		
07 71 19 00-0154	LF		4" To 6" Face Height, 16 Ounce, Copper Gravel Stop.....	70.73	1.67
07 71 19 00-0155	LF		>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop.....	81.94	1.96
07 71 19 00-0156	LF		>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop.....	93.69	2.16
07 71 19 00-0157			<b>Copper Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0147) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0158		<b>20 Ounce, Copper Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0157)</small>		
	07 71 19 00-0159	LF 4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat .....	60.43	1.77
	07 71 19 00-0160	LF >6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat .....	69.48	2.11
	07 71 19 00-0161	LF >10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat .....	80.63	2.40
07 71 19 00-0162		<b>16 Ounce, Copper Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0157)</small>		
	07 71 19 00-0163	LF 4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat .....	73.06	1.77
	07 71 19 00-0164	LF >6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat .....	84.91	2.11
	07 71 19 00-0165	LF >10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat .....	97.46	2.40
07 71 19 00-0166		<b>Fascia</b> <small>(07 71 19)</small>		
07 71 19 00-0167		<b>Snap-On Cover Fascia</b> <small>(07 71 19 00-0166)</small>		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168		<b>Galvanized Steel Snap-On Cover Fascia</b> <small>(07 71 19 00-0167)</small>		
07 71 19 00-0169		<b>KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia</b> <small>(07 71 19 00-0168)</small>		
07 71 19 00-0170		<b>24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia</b> <small>(07 71 19 00-0169)</small>		
	07 71 19 00-0171	LF 3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat .....	42.25	2.45
	07 71 19 00-0172	LF >5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat .....	47.60	2.55
	07 71 19 00-0173	LF >7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat .....	51.02	2.64
07 71 19 00-0174		<b>Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems</b> <small>(07 71 19 00-0169)</small>		
07 71 19 00-0175		<b>Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems</b> <small>(07 71 19 00-0174)</small>		
	07 71 19 00-0176	EA Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	298.76	3.44
	07 71 19 00-0177	EA Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	319.18	3.44
	07 71 19 00-0178	EA Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	332.01	3.44
07 71 19 00-0179		<b>Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems</b> <small>(07 71 19 00-0174)</small>		
	07 71 19 00-0180	EA Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	243.15	3.44
	07 71 19 00-0181	EA Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	253.46	3.44
	07 71 19 00-0182	EA Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	259.74	3.44
07 71 19 00-0183		<b>Aluminum Snap-On Cover Fascia</b> <small>(07 71 19 00-0167)</small>		
07 71 19 00-0184		<b>KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat</b> <small>(07 71 19 00-0183)</small>		
07 71 19 00-0185		<b>0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat</b> <small>(07 71 19 00-0184)</small>		
	07 71 19 00-0186	LF 3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	24.53	2.45
	07 71 19 00-0187	LF >5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	27.82	2.55
	07 71 19 00-0188	LF >7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	29.55	2.64
07 71 19 00-0189		<b>0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat</b> <small>(07 71 19 00-0184)</small>		
	07 71 19 00-0190	LF 3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	25.82	2.45
	07 71 19 00-0191	LF >5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	29.47	2.55
	07 71 19 00-0192	LF >7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	31.41	2.64
07 71 19 00-0193		<b>Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems</b> <small>(07 71 19 00-0184)</small>		
07 71 19 00-0194		<b>Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems</b> <small>(07 71 19 00-0193)</small>		

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0195	EA		Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems .....	163.11	3.44
07 71 19 00-0196	EA		Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems .....	176.99	3.44
07 71 19 00-0197	EA		Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems .....	183.06	3.44
<b>07 71 19 00-0198</b>			<b>Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems</b> (07 71 19 00-0193)		
07 71 19 00-0199	EA		Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems .....	128.90	3.44
07 71 19 00-0200	EA		Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems .....	135.81	3.44
07 71 19 00-0201	EA		Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems .....	138.84	3.44
<b>07 71 19 00-0202</b>			<b>Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat</b> (07 71 19 00-0183)		
<b>07 71 19 00-0203</b>			<b>0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat</b> (07 71 19 00-0202)		
07 71 19 00-0204	LF		3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	28.46	2.45
07 71 19 00-0205	LF		>5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	32.37	2.55
07 71 19 00-0206	LF		>7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	34.41	2.64
<b>07 71 19 00-0207</b>			<b>0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat</b> (07 71 19 00-0202)		
07 71 19 00-0208	LF		3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	30.00	2.45
07 71 19 00-0209	LF		>5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	34.35	2.55
07 71 19 00-0210	LF		>7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	36.63	2.64
<b>07 71 19 00-0211</b>			<b>Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems</b> (07 71 19 00-0202)		
<b>07 71 19 00-0212</b>			<b>Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems</b> (07 71 19 00-0211)		
07 71 19 00-0213	EA		Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems .....	202.18	3.44
07 71 19 00-0214	EA		Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems .....	219.52	3.44
07 71 19 00-0215	EA		Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems .....	227.11	3.44
<b>07 71 19 00-0216</b>			<b>Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems</b> (07 71 19 00-0211)		
07 71 19 00-0217	EA		Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems .....	159.41	3.44
07 71 19 00-0218	EA		Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems .....	168.05	3.44
07 71 19 00-0219	EA		Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems .....	171.83	3.44
<b>07 71 23</b>			<b>Manufactured Gutters and Downspouts</b> (07 71)		
			Note: Includes all necessary support straps.		
<b>07 71 23 00-0001</b>			<b>Aluminum Gutters And Downspouts</b> (07 71 23)		
<b>07 71 23 00-0002</b>			<b>Aluminum Gutters</b> (07 71 23 00-0001)		
			Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
<b>07 71 23 00-0003</b>			<b>K-Style Aluminum Gutters</b> (07 71 23 00-0002)		
07 71 23 00-0004	LF		5", 0.027" Thick, K-Style Aluminum Gutter .....	10.16	4.18
			For Up To 100', Add	2.05	
			For >100' To 250', Add	0.85	
			For >1,000', Deduct	-0.69	
			For Kynar 500® Finish, Add	1.47	
07 71 23 00-0005	LF		6", 0.027" Thick, K-Style Aluminum Gutter .....	11.39	4.41
			For Up To 100', Add	2.22	
			For >100' To 250', Add	0.93	
			For >1,000', Deduct	-0.72	
			For Kynar 500® Finish, Add	1.87	
07 71 23 00-0006	LF		5", 0.032" Thick, K-Style Aluminum Gutter .....	10.63	4.18
			For Up To 100', Add	2.10	
			For >100' To 250', Add	0.88	
			For >1,000', Deduct	-0.69	
			For Kynar 500® Finish, Add	1.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0007 LF 6", 0.032" Thick, K-Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	11.99 2.28 0.96 -0.72 2.14	4.41
07 71 23 00-0008 LF 7", 0.032" Thick, K-Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	23.18 3.49 1.55 -0.78 6.93	4.63
07 71 23 00-0009 LF 8", 0.032" Thick, K-Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	25.41 3.83 1.70 -0.86 7.57	5.20
07 71 23 00-0010 LF 8", 0.040" Thick, K-Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	28.66 4.15 1.86 -0.86 9.03	5.20
<b>07 71 23 00-0011 Half Round Aluminum Gutters (07 71 23 00-0002)</b>		
07 71 23 00-0012 LF 5", 0.027" Thick, Half Round Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	19.57 2.99 1.32 -0.69 5.70	4.18
07 71 23 00-0013 LF 6", 0.032" Thick, Half Round Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	23.72 3.46 1.55 -0.72 7.42	4.41
<b>07 71 23 00-0014 Box Style Aluminum Gutters (07 71 23 00-0002)</b>		
07 71 23 00-0015 LF 6", 0.027" Thick, Box Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	20.34 3.32 1.45 -0.86 5.29	5.20
07 71 23 00-0016 LF 6", 0.032" Thick, Box Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	20.40 3.33 1.45 -0.86 5.31	5.20
07 71 23 00-0017 LF 7", 0.032" Thick, Box Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	23.87 3.76 1.65 -0.92 6.62	5.54
07 71 23 00-0018 LF 8", 0.032" Thick, Box Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	27.05 4.16 1.84 -0.97 7.80	5.88
<b>07 71 23 00-0019 Aluminum Gutter End Caps (07 71 23 00-0001)</b>		
<b>07 71 23 00-0020 K-Style, Aluminum Gutter End Caps (07 71 23 00-0019)</b>		
07 71 23 00-0021 EA 5", K-Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	3.39 0.51	
07 71 23 00-0022 EA 6", K-Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	4.31 0.92	
07 71 23 00-0023 EA 7", K-Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	9.92 3.45	
07 71 23 00-0024 EA 8", K-Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	11.63 4.22	
<b>07 71 23 00-0025 Half Round, Aluminum Gutter End Caps (07 71 23 00-0019)</b>		
07 71 23 00-0026 EA 5", Half Round Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	5.75 1.57	
07 71 23 00-0027 EA 6", Half Round Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	9.15 3.10	
<b>07 71 23 00-0028 Box Style, Aluminum Gutter End Caps (07 71 23 00-0019)</b>		
07 71 23 00-0029 EA 6", Box Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	10.86 3.87	
07 71 23 00-0030 EA 7", Box Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	11.84 4.31	

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0031	EA		8", Box Style Aluminum Gutter End Cap..... <i>For Kynar 500® Finish, Add</i>	13.98 5.27	
<b>07 71 23 00-0032</b>			<b>Aluminum Gutter Miters</b> (07 71 23 00-0001) Note: Inside or outside miters.		
<b>07 71 23 00-0033</b>			<b>K-Style, Aluminum Gutter Miters</b> (07 71 23 00-0032)		
07 71 23 00-0034	EA		5", K-Style Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	20.38 4.03	
07 71 23 00-0035	EA		6", K-Style Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	27.72 6.98	
07 71 23 00-0036	EA		7", K-Style Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	87.65 33.59	
07 71 23 00-0037	EA		8", K-Style Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	95.19 36.58	
<b>07 71 23 00-0038</b>			<b>Half Round, Aluminum Gutter Miters</b> (07 71 23 00-0032)		
07 71 23 00-0039	EA		5", Half Round Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	36.83 11.43	
07 71 23 00-0040	EA		6", Half Round Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	59.01 21.06	
<b>07 71 23 00-0041</b>			<b>Box Style, Aluminum Gutter Miters</b> (07 71 23 00-0032)		
07 71 23 00-0042	EA		6", Box Style Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	70.71 26.33	
07 71 23 00-0043	EA		7", Box Style Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	106.32 41.99	
07 71 23 00-0044	EA		8", Box Style Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	115.51 45.72	
<b>07 71 23 00-0045</b>			<b>Aluminum Gutter Wire Strainers</b> (07 71 23 00-0001)		
07 71 23 00-0046	EA		3" Diameter, Round Aluminum Wire Strainer ..... <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	14.81 4.01 1.25 2.59 3.75	2.83
07 71 23 00-0047	EA		4" Diameter, Round Aluminum Wire Strainer ..... <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	22.32 7.39 2.30 4.76 6.90	2.83
<b>07 71 23 00-0048</b>			<b>Aluminum Downspouts</b> (07 71 23 00-0001) Note: Includes elbows, hangers and fasteners.		
<b>07 71 23 00-0049</b>			<b>Round Aluminum Downspouts</b> (07 71 23 00-0048)		
07 71 23 00-0050	LF		3" Diameter, 0.019" Thick, Round Aluminum Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	7.41 1.18 0.52 -0.29 2.01 0.63 1.30 1.88	2.71
07 71 23 00-0051	LF		4" Diameter, 0.019" Thick, Round Aluminum Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	8.46 1.29 0.57 -0.29 2.48 0.77 1.60 2.32	2.71
<b>07 71 23 00-0052</b>			<b>Rectangular Aluminum Downspouts</b> (07 71 23 00-0048)		
07 71 23 00-0053	LF		2" x 3", 0.019" Thick, Rectangular Aluminum Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	5.23 0.96 0.41 -0.29 1.03 0.32 0.66 0.96	2.71





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0054 LF 3" x 4", 0.019" Thick, Rectangular Aluminum Downspout.....	6.56	2.71
For Up To 100', Add	1.10	
For >100 To 250', Add	0.48	
For >1,000', Deduct	-0.29	
For Kynar 500® Finish, Add	1.63	
For 0.024" Thick, Add	0.51	
For 0.027" Thick, Add	1.05	
For 0.031" Thick, Add	1.52	
07 71 23 00-0055 LF 4" x 5", 0.019" Thick, Rectangular Aluminum Downspout.....	12.18	2.71
For Up To 100', Add	1.66	
For >100 To 250', Add	0.76	
For >1,000', Deduct	-0.29	
For Kynar 500® Finish, Add	4.16	
For 0.024" Thick, Add	1.29	
For 0.027" Thick, Add	2.68	
For 0.031" Thick, Add	3.88	
<b>07 71 23 00-0056 Aluminum Devices (07 71 23 00-0001)</b>		
07 71 23 00-0057 EA Thru-Wall Aluminum Scupper Outlet .....	238.71	22.06
For Kynar 500® Finish, Add	74.33	
07 71 23 00-0058 EA Aluminum Leader/Conductor Head.....	243.46	24.52
For Kynar 500® Finish, Add	87.50	
<b>07 71 23 00-0059 Copper Gutters And Downspouts (07 71 23)</b>		
<b>07 71 23 00-0060 Copper Gutters (07 71 23 00-0059)</b>		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
<b>07 71 23 00-0061 K-Style Copper Gutters (07 71 23 00-0060)</b>		
07 71 23 00-0062 LF 4", 16 Ounce, K-Style Copper Gutter.....	19.82	3.96
For Up To 100', Add	2.97	
For >100' To 250', Add	1.32	
For >1,000', Deduct	-0.66	
07 71 23 00-0063 LF 5", 16 Ounce, K-Style Copper Gutter.....	28.44	4.18
For Up To 100', Add	3.88	
For >100' To 250', Add	1.77	
For >1,000', Deduct	-0.69	
07 71 23 00-0064 LF 6", 16 Ounce, K-Style Copper Gutter.....	34.07	4.41
For Up To 100', Add	4.49	
For >100' To 250', Add	2.07	
For >1,000', Deduct	-0.72	
07 71 23 00-0065 LF 5", 20 Ounce, K-Style Copper Gutter.....	36.19	4.18
For Up To 100', Add	4.65	
For >100' To 250', Add	2.15	
For >1,000', Deduct	-0.69	
07 71 23 00-0066 LF 6", 20 Ounce, K-Style Copper Gutter.....	45.04	4.41
For Up To 100', Add	5.59	
For >100' To 250', Add	2.61	
For >1,000', Deduct	-0.72	
07 71 23 00-0067 LF 7", 20 Ounce, K-Style Copper Gutter.....	52.63	4.63
For Up To 100', Add	6.43	
For >100' To 250', Add	3.02	
For >1,000', Deduct	-0.78	
07 71 23 00-0068 LF 8", 20 Ounce, K-Style Copper Gutter.....	58.54	5.20
For Up To 100', Add	7.14	
For >100' To 250', Add	3.36	
For >1,000', Deduct	-0.86	
<b>07 71 23 00-0069 Half Round Copper Gutters (07 71 23 00-0060)</b>		
07 71 23 00-0070 LF 5", 16 Ounce, Half Round Copper Gutter .....	24.41	4.18
For Up To 100', Add	3.48	
For >100' To 250', Add	1.57	
For >1,000', Deduct	-0.69	
07 71 23 00-0071 LF 6", 16 Ounce, Half Round Copper Gutter .....	31.06	4.41
For Up To 100', Add	4.19	
For >100' To 250', Add	1.91	
For >1,000', Deduct	-0.72	
07 71 23 00-0072 LF 7", 16 Ounce, Half Round Copper Gutter .....	52.66	4.63
For Up To 100', Add	6.43	
For >100' To 250', Add	3.02	
For >1,000', Deduct	-0.78	
07 71 23 00-0073 LF 5", 20 Ounce, Half Round Copper Gutter .....	28.64	4.18
For Up To 100', Add	3.90	
For >100' To 250', Add	1.78	
For >1,000', Deduct	-0.69	
07 71 23 00-0074 LF 6", 20 Ounce, Half Round Copper Gutter .....	35.56	4.41
For Up To 100', Add	4.64	
For >100' To 250', Add	2.14	
For >1,000', Deduct	-0.72	
07 71 23 00-0075 LF 7", 20 Ounce, Half Round Copper Gutter .....	55.41	4.63
For Up To 100', Add	6.71	
For >100' To 250', Add	3.16	
For >1,000', Deduct	-0.78	

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0076	LF	8", 20 Ounce, Half Round Copper Gutter.....	62.99	5.20	
		<i>For Up To 100', Add</i>	7.59		
		<i>For &gt;100' To 250', Add</i>	3.58		
		<i>For &gt;1,000', Deduct</i>	-0.86		
<b>07 71 23 00-0077</b>		<b>Box Style Copper Gutters</b> (07 71 23 00-0060)			
07 71 23 00-0078	LF	5", 16 Ounce, Box Style Copper Gutter .....	28.67	4.74	
		<i>For Up To 100', Add</i>	4.06		
		<i>For &gt;100' To 250', Add</i>	1.83		
		<i>For &gt;1,000', Deduct</i>	-0.79		
07 71 23 00-0079	LF	6", 16 Ounce, Box Style Copper Gutter .....	30.85	5.20	
		<i>For Up To 100', Add</i>	4.37		
		<i>For &gt;100' To 250', Add</i>	1.97		
		<i>For &gt;1,000', Deduct</i>	-0.86		
07 71 23 00-0080	LF	7", 16 Ounce, Box Style Copper Gutter .....	37.61	5.54	
		<i>For Up To 100', Add</i>	5.13		
		<i>For &gt;100' To 250', Add</i>	2.34		
		<i>For &gt;1,000', Deduct</i>	-0.92		
07 71 23 00-0081	LF	8", 16 Ounce, Box Style Copper Gutter .....	38.35	5.88	
		<i>For Up To 100', Add</i>	5.29		
		<i>For &gt;100' To 250', Add</i>	2.40		
		<i>For &gt;1,000', Deduct</i>	-0.97		
07 71 23 00-0082	LF	5", 20 Ounce, Box Style Copper Gutter .....	32.80	4.74	
		<i>For Up To 100', Add</i>	4.47		
		<i>For &gt;100' To 250', Add</i>	2.04		
		<i>For &gt;1,000', Deduct</i>	-0.79		
07 71 23 00-0083	LF	6", 20 Ounce, Box Style Copper Gutter .....	34.98	5.20	
		<i>For Up To 100', Add</i>	4.79		
		<i>For &gt;100' To 250', Add</i>	2.18		
		<i>For &gt;1,000', Deduct</i>	-0.86		
07 71 23 00-0084	LF	7", 20 Ounce, Box Style Copper Gutter .....	41.74	5.54	
		<i>For Up To 100', Add</i>	5.55		
		<i>For &gt;100' To 250', Add</i>	2.54		
		<i>For &gt;1,000', Deduct</i>	-0.92		
07 71 23 00-0085	LF	8", 20 Ounce, Box Style Copper Gutter .....	42.48	5.88	
		<i>For Up To 100', Add</i>	5.71		
		<i>For &gt;100' To 250', Add</i>	2.61		
		<i>For &gt;1,000', Deduct</i>	-0.97		
<b>07 71 23 00-0086</b>		<b>Copper Gutter End Caps</b> (07 71 23 00-0059)			
<b>07 71 23 00-0087</b>		<b>K-Style, Copper Gutter End Caps</b> (07 71 23 00-0086)			
07 71 23 00-0088	EA	4", K-Style Copper Gutter End Cap .....	6.83		
07 71 23 00-0089	EA	5", K-Style Copper Gutter End Cap .....	7.34		
07 71 23 00-0090	EA	6", K-Style Copper Gutter End Cap .....	7.84		
07 71 23 00-0091	EA	7", K-Style Copper Gutter End Cap .....	21.37		
07 71 23 00-0092	EA	8", K-Style Copper Gutter End Cap .....	26.12		
<b>07 71 23 00-0093</b>		<b>Half Round, Copper Gutter End Caps</b> (07 71 23 00-0086)			
07 71 23 00-0094	EA	4", Half Round Copper Gutter End Cap .....	8.33		
07 71 23 00-0095	EA	5", Half Round Copper Gutter End Cap .....	9.40		
07 71 23 00-0096	EA	6", Half Round Copper Gutter End Cap .....	14.35		
07 71 23 00-0097	EA	7", Half Round Copper Gutter End Cap .....	43.82		
07 71 23 00-0098	EA	8", Half Round Copper Gutter End Cap .....	51.82		
<b>07 71 23 00-0099</b>		<b>Box Style, Copper Gutter End Caps</b> (07 71 23 00-0086)			
07 71 23 00-0100	EA	5", Box Style Copper Gutter End Cap .....	16.30		
07 71 23 00-0101	EA	6", Box Style Copper Gutter End Cap .....	17.13		
07 71 23 00-0102	EA	7", Box Style Copper Gutter End Cap .....	17.95		
07 71 23 00-0103	EA	8", Box Style Copper Gutter End Cap .....	19.60		
<b>07 71 23 00-0104</b>		<b>Copper Gutter Miters</b> (07 71 23 00-0059)			
		Note: Inside or outside miters.			
<b>07 71 23 00-0105</b>		<b>K-Style, Copper Gutter Miters</b> (07 71 23 00-0104)			
07 71 23 00-0106	EA	4", K-Style Copper Gutter Miter .....	44.52		
07 71 23 00-0107	EA	5", K-Style Copper Gutter Miter .....	50.52		
07 71 23 00-0108	EA	6", K-Style Copper Gutter Miter .....	73.31		
07 71 23 00-0109	EA	7", K-Style Copper Gutter Miter .....	104.30		
07 71 23 00-0110	EA	8", K-Style Copper Gutter Miter .....	122.55		
<b>07 71 23 00-0111</b>		<b>Half Round, Copper Gutter Miters</b> (07 71 23 00-0104)			
07 71 23 00-0112	EA	4", Half Round Copper Gutter Miter .....	70.35		
07 71 23 00-0113	EA	5", Half Round Copper Gutter Miter .....	64.84		
07 71 23 00-0114	EA	6", Half Round Copper Gutter Miter .....	94.01		
07 71 23 00-0115	EA	7", Half Round Copper Gutter Miter .....	112.34		
07 71 23 00-0116	EA	8", Half Round Copper Gutter Miter .....	132.96		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**07 71 23 00-0117 Box Style, Copper Gutter Miters** (07 71 23 00-0104)

07 71 23 00-0118	EA	5", 16 Ounce Box Style Copper Gutter Miter		77.41	
07 71 23 00-0119	EA	6", 16 Ounce Box Style Copper Gutter Miter		79.85	
07 71 23 00-0120	EA	7", 16 Ounce Box Style Copper Gutter Miter		87.25	
07 71 23 00-0121	EA	8", 16 Ounce Box Style Copper Gutter Miter		88.92	
07 71 23 00-0122	EA	5", 20 Ounce Box Style Copper Gutter Miter		85.67	
07 71 23 00-0123	EA	6", 20 Ounce Box Style Copper Gutter Miter		88.11	
07 71 23 00-0124	EA	7", 20 Ounce Box Style Copper Gutter Miter		95.51	
07 71 23 00-0125	EA	8", 20 Ounce Box Style Copper Gutter Miter		104.68	

**07 71 23 00-0126 Copper Gutter Wire Strainers** (07 71 23 00-0059)

07 71 23 00-0127	EA	2" Diameter, Round Copper Wire Strainer		19.38	2.83
07 71 23 00-0128	EA	3" Diameter, Round Copper Wire Strainer		23.82	2.83
07 71 23 00-0129	EA	4" Diameter, Round Copper Wire Strainer		38.29	2.83
07 71 23 00-0130	EA	5" Diameter, Round Copper Wire Strainer		50.89	2.83
07 71 23 00-0131	EA	6" Diameter, Round Copper Wire Strainer		61.45	2.83

**07 71 23 00-0132 Copper Downspouts** (07 71 23 00-0059)

Note: Includes elbows, hangers and fasteners.

**07 71 23 00-0133 Round Copper Downspouts** (07 71 23 00-0132)

07 71 23 00-0134	LF	2" Diameter, 16 Ounce, Round Copper Downspout		29.13	2.71
		<i>For Up To 100', Add</i>		3.35	
		<i>For &gt;100 To 250', Add</i>		1.60	
		<i>For &gt;1,000', Deduct</i>		-0.29	
07 71 23 00-0135	LF	3" Diameter, 16 Ounce, Round Copper Downspout		20.19	2.71
		<i>For Up To 100', Add</i>		2.46	
		<i>For &gt;100 To 250', Add</i>		1.16	
		<i>For &gt;1,000', Deduct</i>		-0.29	
07 71 23 00-0136	LF	4" Diameter, 16 Ounce, Round Copper Downspout		25.54	2.71
		<i>For Up To 100', Add</i>		3.00	
		<i>For &gt;100 To 250', Add</i>		1.42	
		<i>For &gt;1,000', Deduct</i>		-0.29	
07 71 23 00-0137	LF	5" Diameter, 16 Ounce, Round Copper Downspout		41.00	2.71
		<i>For Up To 100', Add</i>		4.54	
		<i>For &gt;100 To 250', Add</i>		2.20	
		<i>For &gt;1,000', Deduct</i>		-0.29	
07 71 23 00-0138	LF	6" Diameter, 16 Ounce, Round Copper Downspout		52.81	2.71
		<i>For Up To 100', Add</i>		5.72	
		<i>For &gt;100 To 250', Add</i>		2.79	
		<i>For &gt;1,000', Deduct</i>		-0.29	
07 71 23 00-0139	LF	3" Diameter, 20 Ounce, Round Copper Downspout		27.43	2.71
		<i>For Up To 100', Add</i>		3.18	
		<i>For &gt;100 To 250', Add</i>		1.52	
		<i>For &gt;1,000', Deduct</i>		-0.29	
07 71 23 00-0140	LF	4" Diameter, 20 Ounce, Round Copper Downspout		35.69	2.71
		<i>For Up To 100', Add</i>		4.01	
		<i>For &gt;100 To 250', Add</i>		1.93	
		<i>For &gt;1,000', Deduct</i>		-0.29	
07 71 23 00-0141	LF	5" Diameter, 20 Ounce, Round Copper Downspout		54.42	2.71
		<i>For Up To 100', Add</i>		5.88	
		<i>For &gt;100 To 250', Add</i>		2.87	
		<i>For &gt;1,000', Deduct</i>		-0.29	

**07 71 23 00-0142 Square Copper Downspouts** (07 71 23 00-0132)

07 71 23 00-0143	LF	3" Diameter, 16 Ounce, Square Copper Downspout		13.89	2.71
		<i>For Up To 100', Add</i>		1.83	
		<i>For &gt;100 To 250', Add</i>		0.84	
		<i>For &gt;1,000', Deduct</i>		-0.29	
07 71 23 00-0144	LF	4" Diameter, 16 Ounce, Square Copper Downspout		17.43	2.71
		<i>For Up To 100', Add</i>		2.18	
		<i>For &gt;100 To 250', Add</i>		1.02	
		<i>For &gt;1,000', Deduct</i>		-0.29	
07 71 23 00-0145	LF	5" Diameter, 16 Ounce, Square Copper Downspout		25.10	2.71
		<i>For Up To 100', Add</i>		2.95	
		<i>For &gt;100 To 250', Add</i>		1.40	
		<i>For &gt;1,000', Deduct</i>		-0.29	
07 71 23 00-0146	LF	3" Diameter, 20 Ounce, Square Copper Downspout		16.08	2.71
		<i>For Up To 100', Add</i>		2.05	
		<i>For &gt;100 To 250', Add</i>		0.95	
		<i>For &gt;1,000', Deduct</i>		-0.29	
07 71 23 00-0147	LF	4" Diameter, 20 Ounce, Square Copper Downspout		20.51	2.71
		<i>For Up To 100', Add</i>		2.49	
		<i>For &gt;100 To 250', Add</i>		1.17	
		<i>For &gt;1,000', Deduct</i>		-0.29	
07 71 23 00-0148	LF	5" Diameter, 20 Ounce, Square Copper Downspout		29.60	2.71
		<i>For Up To 100', Add</i>		3.40	
		<i>For &gt;100 To 250', Add</i>		1.63	
		<i>For &gt;1,000', Deduct</i>		-0.29	

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0149			<b>Rectangular Copper Downspouts</b> (07 71 23 00-0132)		
07 71 23 00-0150	LF		2" x 3", 16 Ounce, Rectangular Copper Downspout .....	20.74	2.71
			For Up To 100', Add	2.52	
			For >100 To 250', Add	1.18	
			For >1,000', Deduct	-0.29	
07 71 23 00-0151	LF		3" x 4", 16 Ounce, Rectangular Copper Downspout .....	26.32	2.71
			For Up To 100', Add	3.07	
			For >100 To 250', Add	1.46	
			For >1,000', Deduct	-0.29	
07 71 23 00-0152	LF		4" x 5", 16 Ounce, Rectangular Copper Downspout .....	37.58	2.71
			For Up To 100', Add	4.20	
			For >100 To 250', Add	2.03	
			For >1,000', Deduct	-0.29	
07 71 23 00-0153	LF		2" x 3", 20 Ounce, Rectangular Copper Downspout .....	24.21	2.71
			For Up To 100', Add	2.86	
			For >100 To 250', Add	1.36	
			For >1,000', Deduct	-0.29	
07 71 23 00-0154	LF		3" x 4", 20 Ounce, Rectangular Copper Downspout .....	31.13	2.71
			For Up To 100', Add	3.55	
			For >100 To 250', Add	1.70	
			For >1,000', Deduct	-0.29	
07 71 23 00-0155	LF		4" x 5", 20 Ounce, Rectangular Copper Downspout .....	44.83	2.71
			For Up To 100', Add	4.92	
			For >100 To 250', Add	2.39	
			For >1,000', Deduct	-0.29	
07 71 23 00-0156			<b>Copper Devices And Accessories</b> (07 71 23 00-0059)		
07 71 23 00-0157	EA		Thru-Wall Copper Scupper Outlet.....	222.61	22.06
07 71 23 00-0158	EA		Copper Leader/Conductor Head .....	332.84	24.52
07 71 23 00-0159	EA		Copper Eave Box.....	149.85	16.96
07 71 23 00-0160			<b>Galvanized Steel Gutters And Downspouts</b> (07 71 23)		
07 71 23 00-0161			<b>Galvanized Steel Gutters</b> (07 71 23 00-0160) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0162			<b>K-Style Galvanized Steel Gutters</b> (07 71 23 00-0161)		
07 71 23 00-0163	LF		5", 26 Gauge, K-Style Galvanized Steel Gutter .....	13.41	4.18
			For Up To 100', Add	2.38	
			For >100' To 250', Add	1.02	
			For >1,000', Deduct	-0.69	
			For Kynar 500® Finish, Add	2.93	
			For 24 Gauge, Add	1.82	
			For 22 Gauge, Add	3.58	
07 71 23 00-0164	LF		6", 26 Gauge, K-Style Galvanized Steel Gutter .....	15.73	4.41
			For Up To 100', Add	2.66	
			For >100' To 250', Add	1.15	
			For >1,000', Deduct	-0.72	
			For Kynar 500® Finish, Add	3.83	
			For 24 Gauge, Add	2.38	
			For 22 Gauge, Add	4.68	
07 71 23 00-0165	LF		7", 26 Gauge, K-Style Galvanized Steel Gutter .....	33.95	4.63
			For Up To 100', Add	4.56	
			For >100' To 250', Add	2.09	
			For >1,000', Deduct	-0.78	
			For Kynar 500® Finish, Add	11.77	
			For 24 Gauge, Add	7.32	
			For 22 Gauge, Add	14.39	
07 71 23 00-0166	LF		8", 26 Gauge, K-Style Galvanized Steel Gutter .....	35.74	5.20
			For Up To 100', Add	4.86	
			For >100' To 250', Add	2.22	
			For >1,000', Deduct	-0.86	
			For Kynar 500® Finish, Add	12.22	
			For 24 Gauge, Add	7.60	
			For 22 Gauge, Add	14.93	
07 71 23 00-0167			<b>Half Round Galvanized Steel Gutters</b> (07 71 23 00-0161)		
07 71 23 00-0168	LF		5", 26 Gauge, Half Round Galvanized Steel Gutter .....	20.14	4.18
			For Up To 100', Add	3.05	
			For >100' To 250', Add	1.35	
			For >1,000', Deduct	-0.69	
			For Kynar 500® Finish, Add	5.96	
			For 24 Gauge, Add	3.71	
			For 22 Gauge, Add	7.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0169 LF 6", 26 Gauge, Half Round Galvanized Steel Gutter.....	25.64	4.41
For Up To 100', Add	3.65	
For >100' To 250', Add	1.64	
For >1,000', Deduct	-0.72	
For Kynar 500® Finish, Add	8.28	
For 24 Gauge, Add	5.15	
For 22 Gauge, Add	10.13	
07 71 23 00-0170 LF 7", 26 Gauge, Half Round Galvanized Steel Gutter.....	66.44	4.63
For Up To 100', Add	7.81	
For >100' To 250', Add	3.71	
For >1,000', Deduct	-0.78	
For Kynar 500® Finish, Add	26.39	
For 24 Gauge, Add	16.42	
For 22 Gauge, Add	32.26	
07 71 23 00-0171 LF 8", 26 Gauge, Half Round Galvanized Steel Gutter.....	70.84	5.20
For Up To 100', Add	8.37	
For >100' To 250', Add	3.97	
For >1,000', Deduct	-0.86	
For Kynar 500® Finish, Add	28.01	
For 24 Gauge, Add	17.43	
For 22 Gauge, Add	34.24	
<b>07 71 23 00-0172 Box Style Galvanized Steel Gutters (07 71 23 00-0161)</b>		
07 71 23 00-0173 LF 5", 24 Gauge, Box Style Galvanized Steel Gutter.....	24.16	4.74
For Up To 100', Add	3.60	
For >100' To 250', Add	1.60	
For >1,000', Deduct	-0.79	
For Kynar 500® Finish, Add	7.31	
For 22 Gauge, Add	3.57	
07 71 23 00-0174 LF 6", 24 Gauge, Box Style Galvanized Steel Gutter.....	28.48	5.20
For Up To 100', Add	4.14	
For >100' To 250', Add	1.85	
For >1,000', Deduct	-0.86	
For Kynar 500® Finish, Add	8.95	
For 22 Gauge, Add	4.38	
07 71 23 00-0175 LF 7", 24 Gauge, Box Style Galvanized Steel Gutter.....	36.54	4.63
For Up To 100', Add	4.82	
For >100' To 250', Add	2.22	
For >1,000', Deduct	-0.78	
For Kynar 500® Finish, Add	12.94	
For 22 Gauge, Add	6.33	
07 71 23 00-0176 LF 8", 24 Gauge, Box Style Galvanized Steel Gutter.....	40.40	5.88
For Up To 100', Add	5.50	
For >100' To 250', Add	2.51	
For >1,000', Deduct	-0.97	
For Kynar 500® Finish, Add	13.81	
For 22 Gauge, Add	6.75	
<b>07 71 23 00-0177 Galvanized Steel Gutter End Caps (07 71 23 00-0160)</b>		
<b>07 71 23 00-0178 K-Style, Galvanized Steel Gutter End Caps (07 71 23 00-0177)</b>		
07 71 23 00-0179 EA 5", K-Style Galvanized Steel Gutter End Cap.....	6.16	
For Kynar 500® Finish, Add	1.76	
07 71 23 00-0180 EA 6", K-Style Galvanized Steel Gutter End Cap.....	7.19	
For Kynar 500® Finish, Add	2.22	
07 71 23 00-0181 EA 7", K-Style Galvanized Steel Gutter End Cap.....	16.30	
For Kynar 500® Finish, Add	6.32	
07 71 23 00-0182 EA 8", K-Style Galvanized Steel Gutter End Cap.....	23.91	
For Kynar 500® Finish, Add	9.74	
<b>07 71 23 00-0183 Half Round, Galvanized Steel Gutter End Caps (07 71 23 00-0177)</b>		
07 71 23 00-0184 EA 5", Half Round Galvanized Steel Gutter End Cap.....	8.09	
For Kynar 500® Finish, Add	2.62	
07 71 23 00-0185 EA 6", Half Round Galvanized Steel Gutter End Cap.....	9.40	
For Kynar 500® Finish, Add	3.21	
07 71 23 00-0186 EA 7", Half Round Galvanized Steel Gutter End Cap.....	18.04	
For Kynar 500® Finish, Add	7.10	
07 71 23 00-0187 EA 8", Half Round Galvanized Steel Gutter End Cap.....	24.60	
For Kynar 500® Finish, Add	10.05	
<b>07 71 23 00-0188 Box Style, Galvanized Steel Gutter End Caps (07 71 23 00-0177)</b>		
07 71 23 00-0189 EA 5", Box Style Galvanized Steel Gutter End Cap.....	14.99	
For Kynar 500® Finish, Add	5.73	
07 71 23 00-0190 EA 6", Box Style Galvanized Steel Gutter End Cap.....	18.17	
For Kynar 500® Finish, Add	7.16	
07 71 23 00-0191 EA 7", Box Style Galvanized Steel Gutter End Cap.....	20.43	
For Kynar 500® Finish, Add	8.18	
07 71 23 00-0192 EA 8", Box Style Galvanized Steel Gutter End Cap.....	27.57	
For Kynar 500® Finish, Add	11.39	

<b>07</b>	<b>Thermal And Moisture Protection</b>
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MINOR  
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TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 71 23 00-0193	<b>Galvanized Steel Gutter Miters</b> (07 71 23 00-0160) Note: Inside or outside miters.		
07 71 23 00-0194	<b>K-Style, Galvanized Steel Gutter Miters</b> (07 71 23 00-0193)		
07 71 23 00-0195	EA 5", K-Style Galvanized Steel Gutter Miter ..... For Kynar 500® Finish, Add	37.87 11.90	
07 71 23 00-0196	EA 6", K-Style Galvanized Steel Gutter Miter ..... For Kynar 500® Finish, Add	62.81 22.77	
07 71 23 00-0197	EA 7", K-Style Galvanized Steel Gutter Miter ..... For Kynar 500® Finish, Add	101.99 40.05	
07 71 23 00-0198	EA 8", K-Style Galvanized Steel Gutter Miter ..... For Kynar 500® Finish, Add	114.81 45.41	
07 71 23 00-0199	<b>Half Round, Galvanized Steel Gutter Miters</b> (07 71 23 00-0193)		
07 71 23 00-0200	EA 5", Half Round Galvanized Steel Gutter Miter ..... For Kynar 500® Finish, Add	52.82 18.63	
07 71 23 00-0201	EA 6", Half Round Galvanized Steel Gutter Miter ..... For Kynar 500® Finish, Add	59.50 21.28	
07 71 23 00-0202	EA 7", Half Round Galvanized Steel Gutter Miter ..... For Kynar 500® Finish, Add	173.82 72.37	
07 71 23 00-0203	EA 8", Half Round Galvanized Steel Gutter Miter ..... For Kynar 500® Finish, Add	183.66 76.39	
07 71 23 00-0204	<b>Box Style, Galvanized Steel Gutter Miters</b> (07 71 23 00-0193)		
07 71 23 00-0205	EA 5", Box Style Galvanized Steel Gutter Miter ..... For Kynar 500® Finish, Add	49.82 17.28	
07 71 23 00-0206	EA 6", Box Style Galvanized Steel Gutter Miter ..... For Kynar 500® Finish, Add	82.60 31.68	
07 71 23 00-0207	EA 7", Box Style Galvanized Steel Gutter Miter ..... For Kynar 500® Finish, Add	107.94 42.72	
07 71 23 00-0208	EA 8", Box Style Galvanized Steel Gutter Miter ..... For Kynar 500® Finish, Add	114.81 45.41	
07 71 23 00-0209	<b>Galvanized Steel Gutter Wire Strainers</b> (07 71 23 00-0160)		
07 71 23 00-0210	EA 3" Diameter, Round Galvanized Steel Wire Strainer ..... For Kynar 500® Finish, Add	12.99 3.20	2.83
07 71 23 00-0211	EA 4" Diameter, Round Galvanized Steel Wire Strainer ..... For Kynar 500® Finish, Add	19.04 5.92	2.83
07 71 23 00-0212	<b>Galvanized Steel Downspouts</b> (07 71 23 00-0160) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0213	<b>Round Galvanized Steel Downspouts</b> (07 71 23 00-0212)		
07 71 23 00-0214	LF 3" Diameter, 26 Gauge, Round Galvanized Steel Downspout ..... For Up To 100', Add For >100 To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add For 24 Gauge, Add For 22 Gauge, Add	7.70 1.21 0.53 -0.29 2.14 1.33 2.62	2.71
07 71 23 00-0215	LF 4" Diameter, 26 Gauge, Round Galvanized Steel Downspout ..... For Up To 100', Add For >100 To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add For 24 Gauge, Add For 22 Gauge, Add	9.73 1.41 0.63 -0.29 3.06 1.90 3.73	2.71
07 71 23 00-0216	LF 5" Diameter, 26 Gauge, Round Galvanized Steel Downspout ..... For Up To 100', Add For >100 To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add For 24 Gauge, Add For 22 Gauge, Add	13.49 1.79 0.82 -0.29 4.75 2.95 5.80	2.71
07 71 23 00-0217	LF 6" Diameter, 26 Gauge, Round Galvanized Steel Downspout ..... For Up To 100', Add For >100 To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add For 24 Gauge, Add For 22 Gauge, Add	30.87 3.53 1.69 -0.29 12.57 7.82 15.36	2.71
07 71 23 00-0218	<b>Square Galvanized Steel Downspouts</b> (07 71 23 00-0212)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0219 LF 4" x 4", 26 Gauge, Square Galvanized Steel Downspout .....	8.83	2.71
For Up To 100', Add	1.32	
For >100 To 250', Add	0.59	
For >1,000', Deduct	-0.29	
For Kynar 500® Finish, Add	2.65	
For 24 Gauge, Add	1.65	
For 22 Gauge, Add	3.24	
07 71 23 00-0220 LF 5" x 5", 26 Gauge, Square Galvanized Steel Downspout .....	11.51	2.71
For Up To 100', Add	1.59	
For >100 To 250', Add	0.72	
For >1,000', Deduct	-0.29	
For Kynar 500® Finish, Add	3.86	
For 24 Gauge, Add	2.40	
For 22 Gauge, Add	4.71	
<b>07 71 23 00-0221 Rectangular Galvanized Steel Downspouts (07 71 23 00-0212)</b>		
07 71 23 00-0222 LF 2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout.....	7.85	2.71
For Up To 100', Add	1.23	
For >100 To 250', Add	0.54	
For >1,000', Deduct	-0.29	
For Kynar 500® Finish, Add	2.21	
For 24 Gauge, Add	1.37	
For 22 Gauge, Add	2.70	
07 71 23 00-0223 LF 3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout.....	10.20	2.71
For Up To 100', Add	1.46	
For >100 To 250', Add	0.66	
For >1,000', Deduct	-0.29	
For Kynar 500® Finish, Add	3.27	
For 24 Gauge, Add	2.03	
For 22 Gauge, Add	3.99	
07 71 23 00-0224 LF 4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout.....	19.54	2.71
For Up To 100', Add	2.40	
For >100 To 250', Add	1.12	
For >1,000', Deduct	-0.29	
For Kynar 500® Finish, Add	7.47	
For 24 Gauge, Add	4.65	
For 22 Gauge, Add	9.13	
<b>07 71 23 00-0225 Galvanized Steel Devices (07 71 23 00-0160)</b>		
07 71 23 00-0226 EA Galvanized Steel Leader/Conductor Head .....	352.85	24.52
For Kynar 500® Finish, Add	136.72	
07 71 23 00-0227 EA Thru-Wall Galvanized Steel Scupper Outlet .....	160.08	22.06
For Kynar 500® Finish, Add	38.95	
<b>07 71 23 00-0228 Stainless Steel Gutters And Downspouts (07 71 23)</b>		
Note: AISI type 304 stainless steel.		
<b>07 71 23 00-0229 Stainless Steel Gutters (07 71 23 00-0228)</b>		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
<b>07 71 23 00-0230 K-Style, Stainless Steel Gutters (07 71 23 00-0229)</b>		
07 71 23 00-0231 LF 5", 26 Gauge, K-Style Stainless Steel Gutter.....	33.34	4.18
For Up To 100', Add	4.37	
For >100' To 250', Add	2.01	
For >1,000', Deduct	-0.69	
For 316 Stainless Steel, Add	10.05	
For 24 Gauge, Add	8.73	
For 22 Gauge, Add	17.45	
For 20 Gauge, Add	26.18	
07 71 23 00-0232 LF 6", 26 Gauge, K-Style Stainless Steel Gutter.....	40.30	4.41
For Up To 100', Add	5.11	
For >100' To 250', Add	2.38	
For >1,000', Deduct	-0.72	
For 316 Stainless Steel, Add	12.57	
For 24 Gauge, Add	10.91	
For 22 Gauge, Add	21.83	
For 20 Gauge, Add	32.74	
<b>07 71 23 00-0233 Half Round, Stainless Steel Gutters (07 71 23 00-0229)</b>		
07 71 23 00-0234 LF 5", 26 Gauge, Half Round Stainless Steel Gutter .....	46.94	4.18
For Up To 100', Add	5.73	
For >100' To 250', Add	2.69	
For >1,000', Deduct	-0.69	
For 316 Stainless Steel, Add	15.22	
For 24 Gauge, Add	13.21	
For 22 Gauge, Add	26.43	
For 20 Gauge, Add	39.64	

<b>07</b>	<b>Thermal And Moisture Protection</b>
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0235	LF	6", 26 Gauge, Half Round Stainless Steel Gutter	.....	57.20	4.41
		<i>For Up To 100', Add</i>		6.80	
		<i>For &gt;100' To 250', Add</i>		3.22	
		<i>For &gt;1,000', Deduct</i>		-0.72	
		<i>For 316 Stainless Steel, Add</i>		18.99	
		<i>For 24 Gauge, Add</i>		16.49	
		<i>For 22 Gauge, Add</i>		32.98	
		<i>For 20 Gauge, Add</i>		49.47	
<b>07 71 23 00-0236</b>		<b>Box Style, Stainless Steel Gutters</b> (07 71 23 00-0229)			
07 71 23 00-0237	LF	5", 26 Gauge, Box Style Stainless Steel Gutter	.....	45.63	4.74
		<i>For Up To 100', Add</i>		5.75	
		<i>For &gt;100' To 250', Add</i>		2.68	
		<i>For &gt;1,000', Deduct</i>		-0.79	
		<i>For 316 Stainless Steel, Add</i>		14.33	
		<i>For 24 Gauge, Add</i>		12.44	
		<i>For 22 Gauge, Add</i>		24.89	
		<i>For 20 Gauge, Add</i>		37.33	
		<i>For 18 Gauge, Add</i>		62.60	
		<i>For Seamless Gutter, Add</i>		-0.70	
07 71 23 00-0238	LF	6", 26 Gauge, Box Style Stainless Steel Gutter	.....	55.96	5.20
		<i>For Up To 100', Add</i>		6.88	
		<i>For &gt;100' To 250', Add</i>		3.23	
		<i>For &gt;1,000', Deduct</i>		-0.86	
		<i>For 316 Stainless Steel, Add</i>		18.00	
		<i>For 24 Gauge, Add</i>		15.63	
		<i>For 22 Gauge, Add</i>		31.26	
		<i>For 20 Gauge, Add</i>		46.90	
		<i>For 18 Gauge, Add</i>		78.63	
		<i>For Seamless Gutter, Add</i>		-1.08	
07 71 23 00-0239	LF	7", 26 Gauge, Box Style Stainless Steel Gutter	.....	66.40	5.54
		<i>For Up To 100', Add</i>		8.01	
		<i>For &gt;100' To 250', Add</i>		3.78	
		<i>For &gt;1,000', Deduct</i>		-0.92	
		<i>For 316 Stainless Steel, Add</i>		21.76	
		<i>For 24 Gauge, Add</i>		18.89	
		<i>For 22 Gauge, Add</i>		37.79	
		<i>For 20 Gauge, Add</i>		56.68	
		<i>For 18 Gauge, Add</i>		95.04	
		<i>For Seamless Gutter, Add</i>		-1.49	
07 71 23 00-0240	LF	8", 26 Gauge, Box Style Stainless Steel Gutter	.....	72.27	5.88
		<i>For Up To 100', Add</i>		8.69	
		<i>For &gt;100' To 250', Add</i>		4.10	
		<i>For &gt;1,000', Deduct</i>		-0.97	
		<i>For 316 Stainless Steel, Add</i>		23.77	
		<i>For 24 Gauge, Add</i>		20.64	
		<i>For 22 Gauge, Add</i>		41.28	
		<i>For 20 Gauge, Add</i>		61.92	
		<i>For 18 Gauge, Add</i>		103.83	
		<i>For Seamless Gutter, Add</i>		-1.67	
<b>07 71 23 00-0241</b>		<b>Stainless Steel Gutter End Caps</b> (07 71 23 00-0228)			
<b>07 71 23 00-0242</b>		<b>K-Style, Stainless Steel Gutter End Caps</b> (07 71 23 00-0241)			
07 71 23 00-0243	EA	5", K-Style Stainless Steel Gutter End Cap	.....	10.53	
		<i>For 316 Stainless Steel, Add</i>		3.14	
07 71 23 00-0244	EA	6", K-Style Stainless Steel Gutter End Cap	.....	12.19	
		<i>For 316 Stainless Steel, Add</i>		3.77	
<b>07 71 23 00-0245</b>		<b>Half Round, Stainless Steel Gutter End Caps</b> (07 71 23 00-0241)			
07 71 23 00-0246	EA	5", Half Round Stainless Steel Gutter End Cap	.....	12.60	
		<i>For 316 Stainless Steel, Add</i>		3.93	
07 71 23 00-0247	EA	6", Half Round Stainless Steel Gutter End Cap	.....	14.67	
		<i>For 316 Stainless Steel, Add</i>		4.72	
<b>07 71 23 00-0248</b>		<b>Box Style, Stainless Steel Gutter End Caps</b> (07 71 23 00-0241)			
07 71 23 00-0249	EA	5", Box Style Stainless Steel Gutter End Cap	.....	13.17	
		<i>For 316 Stainless Steel, Add</i>		3.93	
07 71 23 00-0250	EA	6", Box Style Stainless Steel Gutter End Cap	.....	15.24	
		<i>For 316 Stainless Steel, Add</i>		4.72	
07 71 23 00-0251	EA	7", Box Style Stainless Steel Gutter End Cap	.....	16.04	
		<i>For 316 Stainless Steel, Add</i>		5.09	
07 71 23 00-0252	EA	8", Box Style Stainless Steel Gutter End Cap	.....	19.51	
		<i>For 316 Stainless Steel, Add</i>		6.27	
<b>07 71 23 00-0253</b>		<b>Stainless Steel Gutter Miters</b> (07 71 23 00-0228)			
		Note: Inside or outside box miters.			
<b>07 71 23 00-0254</b>		<b>K-Style, Stainless Steel Gutter Miters</b> (07 71 23 00-0253)			





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0255 EA 5", K-Style Stainless Steel Gutter Miter ..... <i>For 316 Stainless Steel, Add</i>	54.16 16.24	
07 71 23 00-0256 EA 6", K-Style Stainless Steel Gutter Miter ..... <i>For 316 Stainless Steel, Add</i>	88.04 28.82	
<b>07 71 23 00-0257 Half Round, Stainless Steel Gutter Miters</b> (07 71 23 00-0253)		
07 71 23 00-0258 EA 5", Half Round Stainless Steel Gutter Miter ..... <i>For 316 Stainless Steel, Add</i>	136.88 47.67	
07 71 23 00-0259 EA 6", Half Round Stainless Steel Gutter Miter ..... <i>For 316 Stainless Steel, Add</i>	167.95 59.18	
<b>07 71 23 00-0260 Box-Style, Stainless Steel Gutter Miters</b> (07 71 23 00-0253)		
07 71 23 00-0261 EA 5", Box-Style Stainless Steel Gutter Miter..... <i>For 316 Stainless Steel, Add</i>	62.71 19.49	
07 71 23 00-0262 EA 6", Box-Style Stainless Steel Gutter Miter..... <i>For 316 Stainless Steel, Add</i>	103.20 34.58	
07 71 23 00-0263 EA 7", Box-Style Stainless Steel Gutter Miter..... <i>For 316 Stainless Steel, Add</i>	119.16 40.34	
07 71 23 00-0264 EA 8", Box-Style Stainless Steel Gutter Miter..... <i>For 316 Stainless Steel, Add</i>	135.24 46.11	
<b>07 71 23 00-0265 Stainless Steel Gutter Wire Strainers</b> (07 71 23 00-0228)		
07 71 23 00-0266 EA 3" Diameter, Round Stainless Steel Wire Strainer .....	44.09	2.83
07 71 23 00-0267 EA 4" Diameter, Round Stainless Steel Wire Strainer .....	45.14	2.83
<b>07 71 23 00-0268 Stainless Steel Downspouts</b> (07 71 23 00-0228) Note: Includes elbows, hangers and fasteners.		
<b>07 71 23 00-0269 Round Stainless Steel Downspouts</b> (07 71 23 00-0268)		
07 71 23 00-0270 LF 3" Diameter, 26 Gauge, Round Stainless Steel Downspout .....	20.03	2.71
<i>For Up To 100', Add</i>	2.44	
<i>For &gt;100 To 250', Add</i>	1.15	
<i>For &gt;1,000', Deduct</i>	-0.29	
<i>For 316 Stainless Steel, Add</i>	6.49	
<i>For 24 Gauge, Add</i>	5.64	
<i>For 22 Gauge, Add</i>	11.28	
<i>For 20 Gauge, Add</i>	16.92	
07 71 23 00-0271 LF 4" Diameter, 26 Gauge, Round Stainless Steel Downspout .....	26.65	2.71
<i>For Up To 100', Add</i>	3.11	
<i>For &gt;100 To 250', Add</i>	1.48	
<i>For &gt;1,000', Deduct</i>	-0.29	
<i>For 316 Stainless Steel, Add</i>	9.01	
<i>For 24 Gauge, Add</i>	7.82	
<i>For 22 Gauge, Add</i>	15.65	
<i>For 20 Gauge, Add</i>	23.47	
07 71 23 00-0272 LF 5" Diameter, 26 Gauge, Round Stainless Steel Downspout .....	39.17	2.71
<i>For Up To 100', Add</i>	4.36	
<i>For &gt;100 To 250', Add</i>	2.11	
<i>For &gt;1,000', Deduct</i>	-0.29	
<i>For 316 Stainless Steel, Add</i>	13.77	
<i>For 24 Gauge, Add</i>	11.96	
<i>For 22 Gauge, Add</i>	23.91	
<i>For 20 Gauge, Add</i>	35.87	
<b>07 71 23 00-0273 Rectangular Stainless Steel Downspouts</b> (07 71 23 00-0268)		
07 71 23 00-0274 LF 2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout.....	20.52	2.71
<i>For Up To 100', Add</i>	2.49	
<i>For &gt;100 To 250', Add</i>	1.17	
<i>For &gt;1,000', Deduct</i>	-0.29	
<i>For 316 Stainless Steel, Add</i>	6.68	
<i>For 24 Gauge, Add</i>	5.80	
<i>For 22 Gauge, Add</i>	11.60	
<i>For 20 Gauge, Add</i>	17.40	
<i>For 18 Gauge, Add</i>	29.18	
07 71 23 00-0275 LF 3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout.....	27.65	2.71
<i>For Up To 100', Add</i>	3.21	
<i>For &gt;100 To 250', Add</i>	1.53	
<i>For &gt;1,000', Deduct</i>	-0.29	
<i>For 316 Stainless Steel, Add</i>	9.39	
<i>For 24 Gauge, Add</i>	8.15	
<i>For 22 Gauge, Add</i>	16.31	
<i>For 20 Gauge, Add</i>	24.46	
<i>For 18 Gauge, Add</i>	41.02	

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0276	LF		4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout .....	35.99	2.71
			For Up To 100', Add	4.04	
			For >100 To 250', Add	1.95	
			For >1,000', Deduct	-0.29	
			For 316 Stainless Steel, Add	12.56	
			For 24 Gauge, Add	10.91	
			For 22 Gauge, Add	21.81	
			For 20 Gauge, Add	32.72	
			For 18 Gauge, Add	54.86	
<b>07 71 23 00-0277</b>			<b>Stainless Steel Devices</b> (07 71 23 00-0228)		
07 71 23 00-0278	EA		Thru-Wall Stainless Steel Scupper Outlet.....	213.41	25.43
			For 316 Stainless Steel, Add	48.88	
07 71 23 00-0279	EA		Stainless Steel Leader/Conductor Head.....	481.88	25.43
			For 316 Stainless Steel, Add	161.64	
<b>07 71 23 00-0280</b>			<b>Vinyl Gutters And Downspouts</b> (07 71 23)		
<b>07 71 23 00-0281</b>			<b>Vinyl Gutters</b> (07 71 23 00-0280)		
			Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
<b>07 71 23 00-0282</b>			<b>K-Style Vinyl Gutters</b> (07 71 23 00-0281)		
07 71 23 00-0283	LF		4", K-Style Vinyl Gutter .....	11.13	2.83
			For Up To 100', Add	1.82	
			For >100' To 250', Add	0.79	
			For >1,000', Deduct	-0.47	
07 71 23 00-0284	LF		5", K-Style Vinyl Gutter .....	14.43	2.83
			For Up To 100', Add	2.15	
			For >100' To 250', Add	0.96	
			For >1,000', Deduct	-0.47	
<b>07 71 23 00-0285</b>			<b>Half Round Vinyl Gutters</b> (07 71 23 00-0281)		
07 71 23 00-0286	LF		4", Half Round Vinyl Gutter .....	11.50	2.83
			For Up To 100', Add	1.86	
			For >100' To 250', Add	0.81	
			For >1,000', Deduct	-0.47	
07 71 23 00-0287	LF		5", Half Round Vinyl Gutter .....	12.11	2.83
			For Up To 100', Add	1.92	
			For >100' To 250', Add	0.84	
			For >1,000', Deduct	-0.47	
<b>07 71 23 00-0288</b>			<b>Vinyl Gutter End Caps</b> (07 71 23 00-0280)		
<b>07 71 23 00-0289</b>			<b>K-Style, Vinyl Gutter End Caps</b> (07 71 23 00-0288)		
07 71 23 00-0290	EA		4", K-Style Vinyl Gutter End Cap .....	6.91	
07 71 23 00-0291	EA		5", K-Style Vinyl Gutter End Cap .....	9.65	
<b>07 71 23 00-0292</b>			<b>Half Round, Vinyl Gutter End Caps</b> (07 71 23 00-0288)		
07 71 23 00-0293	EA		4", Half Round Vinyl Gutter End Cap .....	7.93	
07 71 23 00-0294	EA		5", Half Round Vinyl Gutter End Cap .....	7.47	
<b>07 71 23 00-0295</b>			<b>Vinyl Gutter Miters</b> (07 71 23 00-0280)		
			Note: Inside or outside miters.		
<b>07 71 23 00-0296</b>			<b>K-Style, Vinyl Gutter Miters</b> (07 71 23 00-0295)		
07 71 23 00-0297	EA		4", K-Style Vinyl Gutter Miter .....	17.34	
07 71 23 00-0298	EA		5", K-Style Vinyl Gutter Miter .....	26.19	
<b>07 71 23 00-0299</b>			<b>Half Round, Vinyl Gutter Miters</b> (07 71 23 00-0295)		
07 71 23 00-0300	EA		4", Half Round Vinyl Gutter Miter .....	17.34	
07 71 23 00-0301	EA		5", Half Round Vinyl Gutter Miter .....	18.86	
<b>07 71 23 00-0302</b>			<b>Vinyl Downspouts</b> (07 71 23 00-0280)		
			Note: Includes elbows, hangers and fasteners.		
<b>07 71 23 00-0303</b>			<b>Round Vinyl Downspouts</b> (07 71 23 00-0302)		
07 71 23 00-0304	LF		2-1/2" Diameter, Round Vinyl Downspout.....	7.32	2.71
			For Up To 100', Add	1.17	
			For >100 To 250', Add	0.51	
			For >1,000', Deduct	-0.29	
07 71 23 00-0305	LF		3" Diameter, Round Vinyl Downspout.....	7.64	2.71
			For Up To 100', Add	1.21	
			For >100 To 250', Add	0.53	
			For >1,000', Deduct	-0.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 71 23 00-0306 Square Vinyl Downspouts</b> (07 71 23 00-0302)		
07 71 23 00-0307 LF 2-1/2", Square Vinyl Downspout.....	7.19	2.71
For Up To 100', Add	1.16	
For >100 To 250', Add	0.51	
For >1,000', Deduct	-0.29	
<b>07 71 23 00-0308 Rectangular Vinyl Downspouts</b> (07 71 23 00-0302)		
07 71 23 00-0309 LF 2" x 3", Rectangular Vinyl Downspout .....	9.26	2.71
For Up To 100', Add	1.37	
For >100 To 250', Add	0.61	
For >1,000', Deduct	-0.29	
<b>07 71 23 00-0310 Gutter And Downspout Boots</b> (07 71 23)		
<b>07 71 23 00-0311 Cast Iron Roof Drainage Downspout Boots</b> (07 71 23 00-0310)		
07 71 23 00-0312 EA 2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	324.80	4.07
07 71 23 00-0313 EA 3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	423.68	4.07
07 71 23 00-0314 EA 4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot.....	505.90	4.07
<b>07 71 23 00-0315 Cast Iron Roof Drainage Downspout Boots With Cleanouts</b> (07 71 23 00-0310)		
07 71 23 00-0316 EA 3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout .....	561.90	4.07
07 71 23 00-0317 EA 4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout .....	686.67	4.07
07 71 23 00-0318 EA 5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout .....	1,247.01	4.07
<b>07 71 23 00-0319 Wall Mounted Downspout Covers With Hinged Perforated Cover</b> (07 71 23)		
07 71 23 00-0320 EA 3" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03).....	1,117.32	26.03
For Polished Brass Finish (-PB), Add	106.53	
For Chrome Plated Finish (-CP), Add	159.79	
For Vandal Proof (-U), Add	53.26	
07 71 23 00-0321 EA 4" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04).....	1,134.67	34.71
For Polished Brass Finish (-PB), Add	106.53	
For Chrome Plated Finish (-CP), Add	159.79	
For Vandal Proof (-U), Add	53.26	
07 71 23 00-0322 EA 6" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06).....	1,215.79	45.37
For Polished Brass Finish (-PB), Add	112.51	
For Chrome Plated Finish (-CP), Add	168.76	
For Vandal Proof (-U), Add	56.25	
07 71 23 00-0323 EA 8" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08).....	1,293.76	57.29
For Polished Brass Finish (-PB), Add	117.92	
For Chrome Plated Finish (-CP), Add	176.88	
For Vandal Proof (-U), Add	58.96	
07 71 23 00-0324 EA 10" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10).....	1,388.92	70.57
For Polished Brass Finish (-PB), Add	124.78	
For Chrome Plated Finish (-CP), Add	187.17	
For Vandal Proof (-U), Add	62.39	
07 71 23 00-0325 EA 12" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12).....	1,520.62	98.52
For Polished Brass Finish (-PB), Add	132.36	
For Chrome Plated Finish (-CP), Add	198.54	
For Vandal Proof (-U), Add	66.18	
07 71 23 00-0326 EA 15" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15).....	1,672.37	137.02
For Polished Brass Finish (-PB), Add	139.83	
For Chrome Plated Finish (-CP), Add	209.75	
For Vandal Proof (-U), Add	69.92	
<b>07 71 23 00-0327 Wall Mounted Downspout Nozzle</b> (07 71 23)		
07 71 23 00-0328 EA 3" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03).....	282.03	26.03
For Nickel Bronze Finish (-NB), Add	160.97	
For Polished Bronze Finish (-PB), Add	126.48	
For Chrome Plated Finish (-CP), Add	204.66	
07 71 23 00-0329 EA 4" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04).....	299.38	34.71
For Nickel Bronze Finish (-NB), Add	160.97	
For Polished Bronze Finish (-PB), Add	126.48	
For Chrome Plated Finish (-CP), Add	204.66	
07 71 23 00-0330 EA 6" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06).....	636.25	45.37
For Nickel Bronze Finish (-NB), Add	163.66	
For Polished Bronze Finish (-PB), Add	92.74	
For Chrome Plated Finish (-CP), Add	240.03	
07 71 23 00-0331 EA 8" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08).....	942.63	57.29
For Nickel Bronze Finish (-NB), Add	140.77	
For Polished Bronze Finish (-PB), Add	107.65	
For Chrome Plated Finish (-CP), Add	240.14	
07 71 23 00-0332 EA 10" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10).....	1,216.19	70.57
For Nickel Bronze Finish (-NB), Add	182.76	
For Polished Bronze Finish (-PB), Add	139.76	
For Chrome Plated Finish (-CP), Add	311.76	

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0333	EA		12" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12) .....	1,549.50	98.52
			<i>For Nickel Bronze Finish (-NB), Add</i>	229.92	
			<i>For Polished Bronze Finish (-PB), Add</i>	175.82	
			<i>For Chrome Plated Finish (-CP), Add</i>	392.21	
<b>07 71 23 00-0334</b>			<b>Leaf Guards And Cleaning</b> (07 71 23)		
07 71 23 00-0335	LF		Aluminum Mesh Gutter Leaf Guard .....	3.74	0.88
			<i>For Up To 100', Add</i>	0.63	
			<i>For &gt;100' To 250', Add</i>	0.27	
			<i>For &gt;1,000', Deduct</i>	-0.17	
07 71 23 00-0336	LF		Vinyl Mesh Gutter Leaf Guard.....	2.88	0.88
			<i>For Up To 100', Add</i>	0.55	
			<i>For &gt;100' To 250', Add</i>	0.23	
			<i>For &gt;1,000', Deduct</i>	-0.17	
07 71 23 00-0337	LF		6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire .....	12.55	1.09
			<i>For Up To 100', Add</i>	1.59	
			<i>For &gt;100' To 250', Add</i>	0.74	
			<i>For &gt;1,000', Deduct</i>	-0.22	
07 71 23 00-0338	LF		9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire .....	17.75	1.09
			<i>For Up To 100', Add</i>	2.11	
			<i>For &gt;100' To 250', Add</i>	1.00	
			<i>For &gt;1,000', Deduct</i>	-0.22	
07 71 23 00-0339	LF		6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh .....	9.56	1.09
			<i>For Up To 100', Add</i>	1.22	
			<i>For &gt;100' To 250', Add</i>	0.56	
			<i>For &gt;1,000', Deduct</i>	-0.17	
07 71 23 00-0340	LF		9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh .....	14.54	1.09
			<i>For Up To 100', Add</i>	1.71	
			<i>For &gt;100' To 250', Add</i>	0.81	
			<i>For &gt;1,000', Deduct</i>	-0.17	
07 71 23 00-0341	EA		Cleanout Roof Drain .....	133.82	
			Note: Includes removing dome and flushing.		
07 71 23 00-0342	LF		Cleanout Roof Gutters And Downspouts .....	1.57	
<b>07 71 26</b>			<b>Reglets</b> (07 71)		
07 71 26 00-0001			Counter Flashing With Reglet (07 71 26)		
			Note: Includes reglet cut.		
07 71 26 00-0002			Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0003			Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0004	LF		28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	16.52	4.36
07 71 26 00-0005	LF		26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	16.73	4.36
07 71 26 00-0006	LF		24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	17.10	4.36
07 71 26 00-0007	LF		22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	18.52	4.36
07 71 26 00-0008	LF		20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	19.32	4.36
07 71 26 00-0009	LF		18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	20.25	4.36
07 71 26 00-0010			KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0011	LF		28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	20.03	4.36
07 71 26 00-0012	LF		26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	20.34	4.36
07 71 26 00-0013	LF		24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	20.88	4.36
07 71 26 00-0014	LF		22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	22.92	4.36
07 71 26 00-0015	LF		20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	24.09	4.36
07 71 26 00-0016	LF		18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	25.44	4.36
07 71 26 00-0017			Aluminum Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0018			KYNAR 500® Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0019	LF		0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	14.26	4.36
07 71 26 00-0020	LF		0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	15.13	4.36
07 71 26 00-0021	LF		0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	16.00	4.36
07 71 26 00-0022	LF		0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	16.64	4.36
07 71 26 00-0023	LF		0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	18.04	4.36
07 71 26 00-0024	LF		0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	20.08	4.36
07 71 26 00-0025			Mill Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0026	LF		0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	12.26	4.36
07 71 26 00-0027	LF		0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	12.81	4.36
07 71 26 00-0028	LF		0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	13.37	4.36
07 71 26 00-0029	LF		0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	13.77	4.36
07 71 26 00-0030	LF		0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	14.67	4.36
07 71 26 00-0031	LF		0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	15.98	4.36
07 71 26 00-0032			Clear Anodized Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 26 00-0033 LF 0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	13.85	4.36
07 71 26 00-0034 LF 0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	14.66	4.36
07 71 26 00-0035 LF 0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	15.46	4.36
07 71 26 00-0036 LF 0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	16.05	4.36
07 71 26 00-0037 LF 0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	17.35	4.36
07 71 26 00-0038 LF 0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	19.24	4.36
<b>07 71 26 00-0039</b> Stainless Steel Counter Flashing With Reglet <small>(07 71 26 00-0001)</small>		
<b>07 71 26 00-0040</b> Stainless Steel Counter Flashing With Reglet <small>(07 71 26 00-0039)</small>		
07 71 26 00-0041 LF 24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	15.69	4.36
07 71 26 00-0042 LF 20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	16.92	4.36
<b>07 71 26 00-0043</b> Copper Counter Flashing With Reglet <small>(07 71 26 00-0001)</small>		
<b>07 71 26 00-0044</b> Copper Counter Flashing With Reglet <small>(07 71 26 00-0043)</small>		
07 71 26 00-0045 LF 16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet.....	47.89	4.36
<b>07 72 Roof Accessories</b> <small>(07 70)</small>		
<b>07 72 13 Manufactured Curbs</b> <small>(07 72)</small>		
<b>07 72 13 00-0001</b> Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13)</small> Note: Includes fasteners and sealants. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
<b>07 72 13 00-0002</b> Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0001)</small> Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
<b>07 72 13 00-0003</b> 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0002)</small>		
<b>07 72 13 00-0004</b> 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0003)</small>		
07 72 13 00-0005 EA 26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	855.34	208.41
For Sloped Roofs Up To 1 In 12 Pitch, Add	59.48	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	145.02	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	45.48	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	88.89	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	111.63	
07 72 13 00-0006 EA 26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	869.56	208.41
For Sloped Roofs Up To 1 In 12 Pitch, Add	60.90	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	147.86	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	55.81	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	113.70	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	134.37	
07 72 13 00-0007 EA 26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	941.81	234.47
For Sloped Roofs Up To 1 In 12 Pitch, Add	64.87	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	159.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	68.22	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	140.57	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	155.04	
07 72 13 00-0008 EA 26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	996.34	234.47
For Sloped Roofs Up To 1 In 12 Pitch, Add	70.33	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	169.96	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	90.96	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	183.98	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	198.45	
07 72 13 00-0009 EA 26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,036.64	234.47
For Sloped Roofs Up To 1 In 12 Pitch, Add	74.36	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	178.02	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.91	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	120.21	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	132.61	
07 72 13 00-0010 EA 26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,263.00	260.52
For Sloped Roofs Up To 1 In 12 Pitch, Add	93.73	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	220.03	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	150.91	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	243.93	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	283.21	
07 72 13 00-0011 EA 38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	874.30	208.41
For Sloped Roofs Up To 1 In 12 Pitch, Add	61.38	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	148.81	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	10.85	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	93.54	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	130.75	
07 72 13 00-0012 EA 38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	944.18	234.47
For Sloped Roofs Up To 1 In 12 Pitch, Add	65.11	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	159.53	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	86.82	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	173.64	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	208.79	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0013	EA		38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	975.00 68.19 165.69 107.49 198.45 227.39	234.47
07 72 13 00-0014	EA		38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	986.85 69.38 168.06 19.22 118.45 145.32	234.47
07 72 13 00-0015	EA		38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,225.07 89.94 212.45 24.81 134.37 175.71	260.52
07 72 13 00-0016	EA		38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,339.98 98.18 232.17 30.39 156.49 206.10	286.58
07 72 13 00-0017	EA		50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,053.24 76.02 181.34 111.63 202.59 225.32	234.47
07 72 13 00-0018	EA		50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,149.20 82.35 197.27 134.37 219.12 260.47	260.52
07 72 13 00-0019	EA		50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,175.28 84.96 202.49 159.17 231.53 301.81	260.52
07 72 13 00-0020	EA		50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,290.19 93.20 222.22 186.05 279.07 345.22	286.58
07 72 13 00-0021	EA		51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,383.78 99.30 237.68 31.94 147.70 199.38	312.62
07 72 13 00-0022	EA		51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,496.32 107.30 256.93 256.33 386.57 456.85	338.68
07 72 13 00-0023	EA		62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,175.28 84.96 202.49 25.43 93.64 172.20	260.52
07 72 13 00-0024	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,264.11 90.59 217.00 194.32 295.61 359.69	286.58
07 72 13 00-0025	EA		62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,381.41 99.06 237.20 252.20 353.49 413.44	312.62
07 72 13 00-0026	EA		62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,405.12 101.43 241.95 37.83 139.12 242.48	312.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0027 EA 62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,522.40	338.68
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	109.91	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	262.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	318.35	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	421.71	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	554.01	
<b>07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof</b>		
<b>Curbs <small>(07 72 13 00-0003)</small></b>		
07 72 13 00-0029 EA 26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	886.16	208.41
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	62.56	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	151.18	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	45.48	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	88.89	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	111.63	
07 72 13 00-0030 EA 26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	893.27	208.41
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	63.28	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	152.60	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	55.81	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	113.70	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	134.37	
07 72 13 00-0031 EA 26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	965.51	234.47
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	67.24	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	163.79	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	68.22	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	140.57	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	155.04	
07 72 13 00-0032 EA 26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,027.16	234.47
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	73.41	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	176.12	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	90.96	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	183.98	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	198.45	
07 72 13 00-0033 EA 26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,072.20	234.47
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	77.91	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	185.13	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.91	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	120.21	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	132.61	
07 72 13 00-0034 EA 26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,291.45	260.52
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	96.58	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	225.72	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	150.91	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	243.93	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	283.21	
07 72 13 00-0035 EA 38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	895.64	208.41
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	63.51	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	153.08	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	10.85	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	93.54	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	130.75	
07 72 13 00-0036 EA 38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,008.19	234.47
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	71.51	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	172.33	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	86.82	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	173.64	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	208.79	
07 72 13 00-0037 EA 38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,055.61	234.47
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	76.25	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	181.81	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	107.49	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	198.45	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	227.39	
07 72 13 00-0038 EA 38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,110.14	234.47
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	81.71	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	192.72	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.22	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	118.45	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	145.32	
07 72 13 00-0039 EA 38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,263.00	260.52
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	93.73	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	220.03	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	24.81	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	134.37	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	175.71	
07 72 13 00-0040 EA 38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,387.39	286.58
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	102.92	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	241.66	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	30.39	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	156.49	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	206.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0041	EA		50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,081.69 78.86 187.03 111.63 202.59 225.32	234.47
07 72 13 00-0042	EA		50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,172.91 84.73 202.02 134.37 219.12 260.47	260.52
07 72 13 00-0043	EA		50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,210.84 88.52 209.60 159.17 231.53 301.81	260.52
07 72 13 00-0044	EA		50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,328.12 96.99 229.80 186.05 279.07 345.22	286.58
07 72 13 00-0045	EA		51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,428.83 103.80 246.69 31.94 147.70 199.38	312.62
07 72 13 00-0046	EA		51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,548.48 112.51 267.36 256.33 386.57 456.85	338.68
07 72 13 00-0047	EA		62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,210.84 88.52 209.60 25.43 93.64 172.20	260.52
07 72 13 00-0048	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,302.04 94.38 224.59 194.32 295.61 359.69	286.58
07 72 13 00-0049	EA		62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,421.71 103.09 245.26 252.20 353.49 413.44	312.62
07 72 13 00-0050	EA		62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,452.53 106.17 251.43 37.83 139.12 242.48	312.62
07 72 13 00-0051	EA		62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,574.56 115.12 272.58 318.35 421.71 554.01	338.68
07 72 13 00-0052			<b>14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0003)</small>		
07 72 13 00-0053	EA		26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	902.75 64.22 154.50 45.48 88.89 111.63	208.41
07 72 13 00-0054	EA		26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	909.87 64.94 155.92 55.81 113.70 134.37	208.41





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0055 EA 26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	977.37	234.47
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	68.43	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	166.17	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	68.22	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	140.57	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	155.04	
07 72 13 00-0056 EA 26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,046.12	234.47
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	75.30	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	179.92	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	90.96	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	183.98	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	198.45	
07 72 13 00-0057 EA 26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,098.28	234.47
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	80.52	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	190.35	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.91	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	120.21	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	132.61	
07 72 13 00-0058 EA 26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,324.65	260.52
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	99.90	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	232.36	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	150.91	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	243.93	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	283.21	
07 72 13 00-0059 EA 38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	909.87	208.41
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	64.94	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	155.92	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	10.85	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	93.54	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	130.75	
07 72 13 00-0060 EA 38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	977.37	234.47
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	68.43	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	166.17	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	86.82	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	173.64	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	208.79	
07 72 13 00-0061 EA 38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,098.28	234.47
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	80.52	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	190.35	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	107.49	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	198.45	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	227.39	
07 72 13 00-0062 EA 38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,155.19	234.47
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	86.21	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	201.73	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.22	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	118.45	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	145.32	
07 72 13 00-0063 EA 38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,291.45	260.52
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	96.58	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	225.72	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	24.81	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	134.37	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	175.71	
07 72 13 00-0064 EA 38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,418.22	286.58
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	106.00	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	247.82	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	30.39	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	156.49	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	206.10	
07 72 13 00-0065 EA 50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,100.66	234.47
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	80.76	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	190.82	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	111.63	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	202.59	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	225.32	
07 72 13 00-0066 EA 50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,128.83	260.52
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	80.32	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	193.20	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	134.37	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	219.12	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	260.47	
07 72 13 00-0067 EA 50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,234.55	260.52
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	90.89	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	214.34	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	159.17	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	231.53	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	301.81	
07 72 13 00-0068 EA 50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,356.57	286.58
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	99.84	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	235.49	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	186.05	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	279.07	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	345.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0069	EA		51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,457.28 106.65 252.38 31.94 147.70 199.38	312.62
07 72 13 00-0070	EA		51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,581.67 115.83 274.00 256.33 386.57 456.85	338.68
07 72 13 00-0071	EA		62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,234.55 90.89 214.34 25.43 93.64 172.20	260.52
07 72 13 00-0072	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,328.12 96.99 229.80 194.32 295.61 359.69	286.58
07 72 13 00-0073	EA		62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,452.53 106.17 251.43 252.20 353.49 413.44	312.62
07 72 13 00-0074	EA		62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,483.36 109.26 257.59 37.83 139.12 242.48	312.62
07 72 13 00-0075	EA		62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,610.12 118.68 279.69 318.35 421.71 554.01	338.68
07 72 13 00-0076			14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)		
07 72 13 00-0077			9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)		
07 72 13 00-0078	EA		26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	829.26 56.87 139.80 45.48 88.89 111.63	208.41
07 72 13 00-0079	EA		26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	860.08 59.96 145.96 55.81 113.70 134.37	208.41
07 72 13 00-0080	EA		26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	984.48 69.14 167.59 68.22 140.57 155.04	234.47
07 72 13 00-0081	EA		26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,055.61 76.25 181.81 90.96 183.98 198.45	234.47
07 72 13 00-0082	EA		26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,107.77 81.47 192.25 18.91 120.21 132.61	234.47
07 72 13 00-0083	EA		26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,362.58 103.69 239.95 150.91 243.93 283.21	260.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0084 EA 38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	916.98	208.41
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	65.65	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	157.34	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	10.85	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	93.54	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	130.75	
07 72 13 00-0085 EA 38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,003.45	234.47
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	71.04	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	171.38	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	86.82	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	173.64	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	208.79	
07 72 13 00-0086 EA 38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,027.16	234.47
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	73.41	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	176.12	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	107.49	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	198.45	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	227.39	
07 72 13 00-0087 EA 38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,048.50	234.47
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	75.54	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	180.39	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.22	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	118.45	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	145.32	
07 72 13 00-0088 EA 38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,305.68	260.52
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	98.00	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	228.57	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	24.81	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	134.37	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	175.71	
07 72 13 00-0089 EA 38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,434.81	286.58
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	107.66	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	251.14	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	30.39	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	156.49	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	206.10	
07 72 13 00-0090 EA 50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,110.14	234.47
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	81.71	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	192.72	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	111.63	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	202.59	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	225.32	
07 72 13 00-0091 EA 50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,208.47	260.52
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	88.28	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	209.13	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	134.37	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	219.12	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	260.47	
07 72 13 00-0092 EA 50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,246.41	260.52
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	92.08	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	216.72	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	159.17	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	231.53	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	301.81	
07 72 13 00-0093 EA 50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,370.80	286.58
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	101.26	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	238.34	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	186.05	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	279.07	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	345.22	
07 72 13 00-0094 EA 51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,471.50	312.62
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	108.07	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	255.22	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	31.94	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	147.70	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	199.38	
07 72 13 00-0095 EA 51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,598.27	338.68
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	117.49	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	277.32	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	256.33	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	386.57	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	456.85	
07 72 13 00-0096 EA 62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,246.41	260.52
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	92.08	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	216.72	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	25.43	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	93.64	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	172.20	
07 72 13 00-0097 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,339.98	286.58
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	98.18	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	232.17	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	194.32	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	295.61	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	359.69	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0098	EA		62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... 1,466.76 For Sloped Roofs Up To 1 In 12 Pitch, Add 107.60 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 254.27 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 252.20 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 353.49 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 413.44		312.62
07 72 13 00-0099	EA		62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... 1,499.95 For Sloped Roofs Up To 1 In 12 Pitch, Add 110.92 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 260.91 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 37.83 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 139.12 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 242.48		312.62
07 72 13 00-0100	EA		62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... 1,629.09 For Sloped Roofs Up To 1 In 12 Pitch, Add 120.57 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 283.48 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 318.35 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 421.71 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 554.01		338.68
<b>07 72 13 00-0101 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)</b>					
07 72 13 00-0102	EA		26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... 850.60 For Sloped Roofs Up To 1 In 12 Pitch, Add 59.01 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 144.07 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 45.48 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 88.89 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 111.63		208.41
07 72 13 00-0103	EA		26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... 886.16 For Sloped Roofs Up To 1 In 12 Pitch, Add 62.56 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 151.18 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 55.81 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 113.70 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 134.37		208.41
07 72 13 00-0104	EA		26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... 1,020.04 For Sloped Roofs Up To 1 In 12 Pitch, Add 72.70 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 174.70 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 68.22 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 140.57 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 155.04		234.47
07 72 13 00-0105	EA		26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... 1,098.28 For Sloped Roofs Up To 1 In 12 Pitch, Add 80.52 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 190.35 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 90.96 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 183.98 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 198.45		234.47
07 72 13 00-0106	EA		26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... 1,162.30 For Sloped Roofs Up To 1 In 12 Pitch, Add 86.92 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 203.15 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 18.91 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 120.21 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 132.61		234.47
07 72 13 00-0107	EA		26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... 1,372.06 For Sloped Roofs Up To 1 In 12 Pitch, Add 104.64 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 241.85 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 150.91 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 243.93 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 283.21		260.52
07 72 13 00-0108	EA		38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... 947.80 For Sloped Roofs Up To 1 In 12 Pitch, Add 68.73 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 163.51 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 10.85 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 93.54 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 130.75		208.41
07 72 13 00-0109	EA		38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... 1,041.38 For Sloped Roofs Up To 1 In 12 Pitch, Add 74.83 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 178.97 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 86.82 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 173.64 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 208.79		234.47
07 72 13 00-0110	EA		38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... 1,072.20 For Sloped Roofs Up To 1 In 12 Pitch, Add 77.91 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 185.13 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 107.49 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 196.45 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 227.39		234.47
07 72 13 00-0111	EA		38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... 1,100.66 For Sloped Roofs Up To 1 In 12 Pitch, Add 80.76 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 190.82 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 19.22 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 118.45 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 145.32		234.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0112 EA 38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,362.58	260.52
For Sloped Roofs Up To 1 In 12 Pitch, Add	103.69	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	239.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	24.81	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	134.37	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	175.71	
07 72 13 00-0113 EA 38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,503.57	286.58
For Sloped Roofs Up To 1 In 12 Pitch, Add	114.54	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	264.89	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	30.39	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	156.49	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	206.10	
07 72 13 00-0114 EA 50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,152.82	234.47
For Sloped Roofs Up To 1 In 12 Pitch, Add	85.97	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	201.26	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	111.63	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	202.59	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	225.32	
07 72 13 00-0115 EA 50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,255.89	260.52
For Sloped Roofs Up To 1 In 12 Pitch, Add	93.02	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	218.61	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	134.37	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	219.12	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	260.47	
07 72 13 00-0116 EA 50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,300.94	260.52
For Sloped Roofs Up To 1 In 12 Pitch, Add	97.53	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	227.62	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	159.17	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	231.53	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	301.81	
07 72 13 00-0117 EA 50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,427.70	286.58
For Sloped Roofs Up To 1 In 12 Pitch, Add	106.95	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	249.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	186.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	279.07	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	345.22	
07 72 13 00-0118 EA 51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,537.89	312.62
For Sloped Roofs Up To 1 In 12 Pitch, Add	114.71	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	268.50	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	31.94	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	147.70	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	199.38	
07 72 13 00-0119 EA 51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,674.13	338.68
For Sloped Roofs Up To 1 In 12 Pitch, Add	125.08	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	292.49	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	256.33	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	386.57	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	456.85	
07 72 13 00-0120 EA 62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,300.94	260.52
For Sloped Roofs Up To 1 In 12 Pitch, Add	97.53	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	227.62	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	25.43	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	93.64	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	172.20	
07 72 13 00-0121 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,401.62	286.58
For Sloped Roofs Up To 1 In 12 Pitch, Add	104.34	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	244.50	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	194.32	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	295.61	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	359.69	
07 72 13 00-0122 EA 62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,533.15	312.62
For Sloped Roofs Up To 1 In 12 Pitch, Add	114.24	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	267.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	252.20	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	353.49	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	413.44	
07 72 13 00-0123 EA 62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,568.71	312.62
For Sloped Roofs Up To 1 In 12 Pitch, Add	117.79	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	274.66	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	37.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	139.12	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	242.48	
07 72 13 00-0124 EA 62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,709.70	338.68
For Sloped Roofs Up To 1 In 12 Pitch, Add	128.64	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	299.61	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	318.35	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	421.71	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	554.01	

07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0126 EA 26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	867.19 60.67 147.39 45.48 88.89 111.63	208.41
07 72 13 00-0127 EA 26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	905.13 64.46 154.97 55.81 113.70 134.37	208.41
07 72 13 00-0128 EA 26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,041.38 74.83 178.97 68.22 140.57 155.04	234.47
07 72 13 00-0129 EA 26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,126.74 83.37 196.04 90.96 183.98 198.45	234.47
07 72 13 00-0130 EA 26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,197.86 90.48 210.26 18.91 120.21 132.61	234.47
07 72 13 00-0131 EA 26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,447.93 112.23 257.02 150.91 243.93 283.21	260.52
07 72 13 00-0132 EA 38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	971.51 71.10 168.25 10.85 93.54 130.75	208.41
07 72 13 00-0133 EA 38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,081.69 78.86 187.03 86.82 173.64 208.79	234.47
07 72 13 00-0134 EA 38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,124.36 83.13 195.56 107.49 198.45 227.39	234.47
07 72 13 00-0135 EA 38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,133.85 84.08 197.46 19.22 118.45 145.32	234.47
07 72 13 00-0136 EA 38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,405.26 107.96 248.49 24.81 134.37 175.71	260.52
07 72 13 00-0137 EA 38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,550.99 119.28 274.38 30.39 156.49 206.10	286.58
07 72 13 00-0138 EA 50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,181.27 88.82 206.95 111.63 202.59 225.32	234.47
07 72 13 00-0139 EA 50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,205.32 87.97 208.50 134.37 219.12 260.47	260.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0140 EA 50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,336.50	260.52
For Sloped Roofs Up To 1 In 12 Pitch, Add	101.08	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	234.73	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	159.17	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	231.53	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	301.81	
07 72 13 00-0141 EA 50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,470.38	286.58
For Sloped Roofs Up To 1 In 12 Pitch, Add	111.22	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	258.25	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	186.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	279.07	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	345.22	
07 72 13 00-0142 EA 51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,580.56	312.62
For Sloped Roofs Up To 1 In 12 Pitch, Add	118.98	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	277.03	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	31.94	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	147.70	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	199.38	
07 72 13 00-0143 EA 51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,726.29	338.68
For Sloped Roofs Up To 1 In 12 Pitch, Add	130.29	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	302.92	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	256.33	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	386.57	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	456.85	
07 72 13 00-0144 EA 62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,336.50	260.52
For Sloped Roofs Up To 1 In 12 Pitch, Add	101.08	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	234.73	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	25.43	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	93.64	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	172.20	
07 72 13 00-0145 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,444.30	286.58
For Sloped Roofs Up To 1 In 12 Pitch, Add	108.61	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	253.04	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	194.32	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	295.61	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	359.69	
07 72 13 00-0146 EA 62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,573.45	312.62
For Sloped Roofs Up To 1 In 12 Pitch, Add	118.27	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	275.61	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	252.20	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	353.49	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	413.44	
07 72 13 00-0147 EA 62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,616.13	312.62
For Sloped Roofs Up To 1 In 12 Pitch, Add	122.53	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	284.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	37.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	139.12	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	242.48	
07 72 13 00-0148 EA 62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,761.86	338.68
For Sloped Roofs Up To 1 In 12 Pitch, Add	133.85	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	310.04	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	318.35	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	421.71	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	554.01	
<b>07 72 13 00-0149 Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs (07 72 13 00-0001)</b>		
Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.		
<b>07 72 13 00-0150 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs (07 72 13 00-0149)</b>		
07 72 13 00-0151 EA 14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	814.79	208.41
For Sloped Roofs Up To 1 In 12 Pitch, Add	55.43	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	136.91	
07 72 13 00-0152 EA 23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	945.19	208.41
For Sloped Roofs Up To 1 In 12 Pitch, Add	68.47	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	162.99	
07 72 13 00-0153 EA 32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,082.84	234.47
For Sloped Roofs Up To 1 In 12 Pitch, Add	78.98	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	187.26	
07 72 13 00-0154 EA 41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,186.97	234.47
For Sloped Roofs Up To 1 In 12 Pitch, Add	89.39	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	208.09	
07 72 13 00-0155 EA 50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,312.66	260.52
For Sloped Roofs Up To 1 In 12 Pitch, Add	98.70	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	229.97	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 72 13 00-0156	12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width		
	<b>Prefabricated Roof Curbs</b> (07 72 13 00-0149)		
07 72 13 00-0157	EA 14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width	1,005.74	208.41
	Prefabricated Roof Curb .....		
	For Sloped Roofs Up To 1 In 12 Pitch, Add	74.52	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	175.10	
07 72 13 00-0158	EA 23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width	1,182.72	208.41
	Prefabricated Roof Curb .....		
	For Sloped Roofs Up To 1 In 12 Pitch, Add	92.22	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	210.49	
07 72 13 00-0159	EA 32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width	1,252.84	234.47
	Prefabricated Roof Curb .....		
	For Sloped Roofs Up To 1 In 12 Pitch, Add	95.98	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	221.26	
07 72 13 00-0160	EA 41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width	1,319.37	234.47
	Prefabricated Roof Curb .....		
	For Sloped Roofs Up To 1 In 12 Pitch, Add	102.63	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	234.57	
07 72 13 00-0161	EA 50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width	1,477.66	260.52
	Prefabricated Roof Curb .....		
	For Sloped Roofs Up To 1 In 12 Pitch, Add	115.20	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	262.97	
07 72 13 00-0162	EA 64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width	2,355.85	286.58
	Prefabricated Roof Curb .....		
	For Sloped Roofs Up To 1 In 12 Pitch, Add	199.76	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	435.35	
07 72 13 00-0163	<b>18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs</b> (07 72 13 00-0149)		
07 72 13 00-0164	EA 17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width	1,319.44	208.41
	Prefabricated Roof Curb .....		
	For Sloped Roofs Up To 1 In 12 Pitch, Add	105.89	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	237.84	
07 72 13 00-0165	EA 24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width	1,500.42	208.41
	Prefabricated Roof Curb .....		
	For Sloped Roofs Up To 1 In 12 Pitch, Add	123.99	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	274.03	
07 72 13 00-0166	EA 31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width	1,780.45	234.47
	Prefabricated Roof Curb .....		
	For Sloped Roofs Up To 1 In 12 Pitch, Add	148.74	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	326.78	
07 72 13 00-0167	<b>Wood, Prefabricated Roof Curbs</b> (07 72 13)		
	Note: Includes Douglas fir construction, galvanized steel corner straps, fasteners, sealants, and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
07 72 13 00-0168	<b>Wood Framed, Prefabricated Roof Curbs</b> (07 72 13 00-0167)		
07 72 13 00-0169	<b>2 x 6 Wood Framed, Prefabricated Roof Curbs</b> (07 72 13 00-0168)		
07 72 13 00-0170	EA 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb .....	688.48	208.41
	For Sloped Roofs Up To 1 In 12 Pitch, Add	42.80	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	111.64	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	45.48	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	88.89	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	111.63	
07 72 13 00-0171	EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb .....	766.02	234.47
	For Sloped Roofs Up To 1 In 12 Pitch, Add	47.29	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	123.90	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	68.22	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	140.57	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	155.04	
07 72 13 00-0172	EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb .....	819.76	234.47
	For Sloped Roofs Up To 1 In 12 Pitch, Add	52.67	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	134.64	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.91	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	120.21	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	132.61	
07 72 13 00-0173	EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb .....	813.56	234.47
	For Sloped Roofs Up To 1 In 12 Pitch, Add	52.05	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	133.40	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	107.49	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	198.45	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	227.39	
07 72 13 00-0174	EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb .....	828.03	234.47
	For Sloped Roofs Up To 1 In 12 Pitch, Add	53.49	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	136.30	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	19.22	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	118.45	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	145.32	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0175 EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	928.31 60.27 153.10 24.81 134.37 175.71	260.52
07 72 13 00-0176 EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	823.90 53.08 135.47 111.63 202.59 225.32	234.47
07 72 13 00-0177 EA 50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	946.92 62.13 156.82 159.17 231.53 301.81	260.52
07 72 13 00-0178 EA 51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,077.18 68.64 176.36 31.94 147.70 199.38	312.62
07 72 13 00-0179 EA 62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	909.71 58.41 149.38 25.43 93.64 172.20	260.52
07 72 13 00-0180 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	999.64 64.14 164.11 194.32 295.61 359.69	286.58
07 72 13 00-0181 EA 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,118.52 72.77 184.63 37.83 139.12 242.48	312.62
<b>07 72 13 00-0182 2 x 8 Wood Framed, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0168)</small>		
07 72 13 00-0183 EA 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	700.89 44.04 114.13 45.48 88.89 111.63	208.41
07 72 13 00-0184 EA 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	780.49 48.74 126.79 68.22 140.57 155.04	234.47
07 72 13 00-0185 EA 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	859.04 56.60 142.50 18.91 120.21 132.61	234.47
07 72 13 00-0186 EA 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	838.37 54.53 138.37 107.49 198.45 227.39	234.47
07 72 13 00-0187 EA 38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	859.04 56.60 142.50 19.22 118.45 145.32	234.47
07 72 13 00-0188 EA 38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	959.32 63.37 159.30 24.81 134.37 175.71	260.52



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0189	EA		50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	846.64 55.36 140.02 111.63 202.59 225.32	234.47
07 72 13 00-0190	EA		50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	975.86 65.02 162.61 159.17 231.53 301.81	260.52
07 72 13 00-0191	EA		51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,106.12 71.53 182.15 31.94 147.70 199.38	312.62
07 72 13 00-0192	EA		62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	932.45 60.68 153.92 25.43 93.64 172.20	260.52
07 72 13 00-0193	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,026.51 66.83 169.48 194.32 295.61 359.69	286.58
07 72 13 00-0194	EA		62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,147.46 75.67 190.41 37.83 139.12 242.48	312.62
<b>07 72 13 00-0195</b>			<b>2 x 10 Wood Framed, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0188)</small>		
07 72 13 00-0196	EA		26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	709.16 44.86 115.78 45.48 88.89 111.63	208.41
07 72 13 00-0197	EA		26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	794.96 50.19 129.68 68.22 140.57 155.04	234.47
07 72 13 00-0198	EA		26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	863.17 57.01 143.33 18.91 120.21 132.61	234.47
07 72 13 00-0199	EA		38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	852.84 55.98 141.26 107.49 198.45 227.39	234.47
07 72 13 00-0200	EA		38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	877.65 58.46 146.22 19.22 118.45 145.32	234.47
07 72 13 00-0201	EA		38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	979.99 65.43 163.43 24.81 134.37 175.71	260.52
07 72 13 00-0202	EA		50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	861.11 56.80 142.91 111.63 202.59 225.32	234.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0203 EA 50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	994.47 66.88 166.33 159.17 231.53 301.81	260.52
07 72 13 00-0204 EA 51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,124.73 73.39 185.87 31.94 147.70 199.38	312.62
07 72 13 00-0205 EA 62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	946.92 62.13 156.82 25.43 93.64 172.20	260.52
07 72 13 00-0206 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,043.05 68.48 172.79 194.32 295.61 359.69	286.58
07 72 13 00-0207 EA 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,168.14 77.74 194.55 37.83 139.12 242.48	312.62
<b>07 72 13 00-0208 2 x 12 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0168)</small></b>		
07 72 13 00-0209 EA 26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	719.49 45.90 117.85 45.48 88.89 111.63	208.41
07 72 13 00-0210 EA 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	803.23 51.01 131.34 68.22 140.57 155.04	234.47
07 72 13 00-0211 EA 26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	881.78 58.87 147.05 18.91 120.21 132.61	234.47
07 72 13 00-0212 EA 38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	898.32 60.52 150.36 19.22 118.45 145.32	234.47
07 72 13 00-0213 EA 38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,002.73 67.71 167.98 24.81 134.37 175.71	260.52
07 72 13 00-0214 EA 50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	879.71 58.66 146.63 111.63 202.59 225.32	234.47
07 72 13 00-0215 EA 50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,015.14 68.95 170.46 159.17 231.53 301.81	260.52
07 72 13 00-0216 EA 51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,149.53 75.87 190.83 31.94 147.70 199.38	312.62

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0217	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,059.59 70.14 176.10 194.32 295.61 359.69	286.58
07 72 13 00-0218			Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0167)</small>		
07 72 13 00-0219			2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0220	EA		26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	705.02 44.45 114.95 45.48 88.89 111.63	208.41
07 72 13 00-0221	EA		26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	780.49 48.74 126.79 68.22 140.57 155.04	234.47
07 72 13 00-0222	EA		26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	846.64 55.36 140.02 18.91 120.21 132.61	234.47
07 72 13 00-0223	EA		38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	832.17 53.91 137.13 107.49 198.45 227.39	234.47
07 72 13 00-0224	EA		38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	850.77 55.77 140.85 19.22 118.45 145.32	234.47
07 72 13 00-0225	EA		38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	953.12 62.75 158.06 24.81 134.37 175.71	260.52
07 72 13 00-0226	EA		50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	842.50 54.94 139.19 111.63 202.59 225.32	234.47
07 72 13 00-0227	EA		50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	969.66 64.40 161.37 159.17 231.53 301.81	260.52
07 72 13 00-0228	EA		51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,099.92 70.91 180.91 31.94 147.70 199.38	312.62
07 72 13 00-0229	EA		62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	934.52 60.89 154.34 25.43 93.64 172.20	260.52
07 72 13 00-0230	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,022.38 66.42 168.65 194.32 295.61 359.69	286.58
07 72 13 00-0231	EA		62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,147.46 75.67 190.41 37.83 139.12 242.48	312.62
07 72 13 00-0232			2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0233 EA 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	719.49 45.90 117.85 45.48 88.89 111.63	208.41
07 72 13 00-0234 EA 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	797.02 50.39 130.10 68.22 140.57 155.04	234.47
07 72 13 00-0235 EA 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	871.44 57.84 144.98 18.91 120.21 132.61	234.47
07 72 13 00-0236 EA 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	856.97 56.39 142.09 107.49 198.45 227.39	234.47
07 72 13 00-0237 EA 38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	883.85 59.08 147.46 19.22 118.45 145.32	234.47
07 72 13 00-0238 EA 38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	990.33 66.47 165.50 24.81 134.37 175.71	260.52
07 72 13 00-0239 EA 50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	871.44 57.84 144.98 111.63 202.59 225.32	234.47
07 72 13 00-0240 EA 50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,004.80 67.91 168.39 159.17 231.53 301.81	260.52
07 72 13 00-0241 EA 51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,139.20 74.84 188.76 31.94 147.70 199.38	312.62
07 72 13 00-0242 EA 62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	961.39 63.57 159.71 25.43 93.64 172.20	260.52
07 72 13 00-0243 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,053.38 69.52 174.85 194.32 295.61 359.69	286.58
07 72 13 00-0244 EA 62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,182.61 79.18 197.44 37.83 139.12 242.48	312.62
<b>07 72 13 00-0245 2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)</b>		
07 72 13 00-0246 EA 26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	731.89 47.14 120.33 45.48 88.89 111.63	208.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0247 EA 26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	813.56	234.47
For Sloped Roofs Up To 1 In 12 Pitch, Add	52.05	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	133.40	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	68.22	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	140.57	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	155.04	
07 72 13 00-0248 EA 26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	896.25	234.47
For Sloped Roofs Up To 1 In 12 Pitch, Add	60.32	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	149.94	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.91	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	120.21	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	132.61	
07 72 13 00-0249 EA 38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	875.58	234.47
For Sloped Roofs Up To 1 In 12 Pitch, Add	58.25	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	145.81	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	107.49	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	198.45	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	227.39	
07 72 13 00-0250 EA 38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	908.65	234.47
For Sloped Roofs Up To 1 In 12 Pitch, Add	61.56	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	152.42	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	19.22	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	118.45	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	145.32	
07 72 13 00-0251 EA 38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	1,017.20	260.52
For Sloped Roofs Up To 1 In 12 Pitch, Add	69.15	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	170.87	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	24.81	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	134.37	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	175.71	
07 72 13 00-0252 EA 50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	890.05	234.47
For Sloped Roofs Up To 1 In 12 Pitch, Add	59.70	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	148.70	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	111.63	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	202.59	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	225.32	
07 72 13 00-0253 EA 50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	1,027.54	260.52
For Sloped Roofs Up To 1 In 12 Pitch, Add	70.19	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	172.94	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	159.17	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	231.53	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	301.81	
07 72 13 00-0254 EA 51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	1,164.00	312.62
For Sloped Roofs Up To 1 In 12 Pitch, Add	77.32	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	193.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	31.94	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	147.70	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	199.38	
07 72 13 00-0255 EA 62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	982.06	260.52
For Sloped Roofs Up To 1 In 12 Pitch, Add	65.64	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	163.85	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	25.43	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	93.64	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	172.20	
07 72 13 00-0256 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	1,076.12	286.58
For Sloped Roofs Up To 1 In 12 Pitch, Add	71.79	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	179.40	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	194.32	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	295.61	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	359.69	
07 72 13 00-0257 EA 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	1,209.48	312.62
For Sloped Roofs Up To 1 In 12 Pitch, Add	81.87	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	202.82	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	37.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	139.12	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	242.48	
<b>07 72 13 00-0258 2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)</b>		
07 72 13 00-0259 EA 26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....	756.70	208.41
For Sloped Roofs Up To 1 In 12 Pitch, Add	49.62	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	125.29	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	45.48	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	88.89	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	111.63	
07 72 13 00-0260 EA 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....	825.97	234.47
For Sloped Roofs Up To 1 In 12 Pitch, Add	53.29	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	135.89	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	68.22	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	140.57	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	155.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0261 EA 26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....	914.85	234.47
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	62.18	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	153.66	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.91	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	120.21	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	132.61	
07 72 13 00-0262 EA 38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....	929.33	234.47
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	63.62	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	156.56	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.22	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	118.45	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	145.32	
07 72 13 00-0263 EA 38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....	1,095.76	260.52
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	77.01	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	186.59	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	24.81	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	134.37	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	175.71	
07 72 13 00-0264 EA 50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....	950.00	234.47
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	65.69	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	160.69	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	111.63	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	202.59	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	225.32	
07 72 13 00-0265 EA 50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....	1,099.89	260.52
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	77.42	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	187.41	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	159.17	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	231.53	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	301.81	
07 72 13 00-0266 EA 51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....	1,246.69	312.62
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	85.59	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	210.26	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	31.94	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	147.70	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	199.38	
07 72 13 00-0267 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....	1,152.61	286.58
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	79.44	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	194.70	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	194.32	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	295.61	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	359.69	

**07 72 23 Relief Vents** (07 72)

**07 72 23 00-0001 Wind Driven Turbine Ventilators** (07 72 23)

Note: Excludes curb or flange base.

**07 72 23 00-0002 Galvanized Steel, Wind Driven Turbine Ventilators** (07 72 23 00-0001)

07 72 23 00-0003 EA 6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	184.56	31.58
<i>For Curb Or Flange Base, Add</i>	198.49	
07 72 23 00-0004 EA 9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	222.45	34.97
<i>For Curb Or Flange Base, Add</i>	217.66	
07 72 23 00-0005 EA 12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	238.50	41.74
<i>For Curb Or Flange Base, Add</i>	240.33	
07 72 23 00-0006 EA 15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	471.58	46.25
<i>For Curb Or Flange Base, Add</i>	400.03	
07 72 23 00-0007 EA 18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	654.17	51.89
<i>For Curb Or Flange Base, Add</i>	432.29	
07 72 23 00-0008 EA 21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	791.89	56.40
<i>For Curb Or Flange Base, Add</i>	469.56	
07 72 23 00-0009 EA 24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	1,014.83	63.17
<i>For Curb Or Flange Base, Add</i>	578.38	
07 72 23 00-0010 EA 36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	1,684.22	84.60
<i>For Curb Or Flange Base, Add</i>	960.21	

**07 72 23 00-0011 Mill Finish Aluminum, Wind Driven Turbine Ventilators** (07 72 23 00-0001)

07 72 23 00-0012 EA 6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	165.67	31.58
<i>For Curb Or Flange Base, Add</i>	194.45	
07 72 23 00-0013 EA 9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	207.43	34.97
<i>For Curb Or Flange Base, Add</i>	213.88	
07 72 23 00-0014 EA 12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	231.66	41.74
<i>For Curb Or Flange Base, Add</i>	236.05	
07 72 23 00-0015 EA 15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	419.47	46.25
<i>For Curb Or Flange Base, Add</i>	413.51	
07 72 23 00-0016 EA 18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	543.16	51.89
<i>For Curb Or Flange Base, Add</i>	441.04	
07 72 23 00-0017 EA 21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	689.43	56.40
<i>For Curb Or Flange Base, Add</i>	497.96	
07 72 23 00-0018 EA 24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	933.89	63.17
<i>For Curb Or Flange Base, Add</i>	603.17	
07 72 23 00-0019 EA 36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	1,393.33	84.60
<i>For Curb Or Flange Base, Add</i>	910.81	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 72 23 00-0020	<b>Stationary Siphon Ventilators</b> (07 72 23) Note: Excludes curb or flange base.		
07 72 23 00-0021	<b>Galvanized Steel, Stationary Siphon Ventilators</b> (07 72 23 00-0020)		
07 72 23 00-0022	EA 6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	153.94	31.58
	<i>For Curb Or Flange Base, Add</i>	198.49	
07 72 23 00-0023	EA 9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	204.94	34.97
	<i>For Curb Or Flange Base, Add</i>	217.66	
07 72 23 00-0024	EA 12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	224.15	41.74
	<i>For Curb Or Flange Base, Add</i>	240.33	
07 72 23 00-0025	EA 15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	393.02	46.25
	<i>For Curb Or Flange Base, Add</i>	400.03	
07 72 23 00-0026	EA 18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	455.35	51.89
	<i>For Curb Or Flange Base, Add</i>	432.29	
07 72 23 00-0027	EA 21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	651.38	56.40
	<i>For Curb Or Flange Base, Add</i>	469.56	
07 72 23 00-0028	EA 24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	851.98	63.17
	<i>For Curb Or Flange Base, Add</i>	578.38	
07 72 23 00-0029	EA 36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	1,237.50	84.60
	<i>For Curb Or Flange Base, Add</i>	960.21	
07 72 23 00-0030	<b>Mill Finish Aluminum, Stationary Siphon Ventilators</b> (07 72 23 00-0020)		
07 72 23 00-0031	EA 6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	158.97	31.58
	<i>For Curb Or Flange Base, Add</i>	194.45	
07 72 23 00-0032	EA 9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	211.43	34.97
	<i>For Curb Or Flange Base, Add</i>	213.88	
07 72 23 00-0033	EA 12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	235.02	41.74
	<i>For Curb Or Flange Base, Add</i>	236.05	
07 72 23 00-0034	EA 15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	387.94	46.25
	<i>For Curb Or Flange Base, Add</i>	413.51	
07 72 23 00-0035	EA 18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	489.60	51.89
	<i>For Curb Or Flange Base, Add</i>	441.04	
07 72 23 00-0036	EA 21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	602.38	56.40
	<i>For Curb Or Flange Base, Add</i>	497.96	
07 72 23 00-0037	EA 24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	866.96	63.17
	<i>For Curb Or Flange Base, Add</i>	603.17	
07 72 23 00-0038	EA 36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	1,307.77	84.60
	<i>For Curb Or Flange Base, Add</i>	910.81	
07 72 23 00-0039	<b>Spun Aluminum, Stationary Mushroom Gravity Ventilators</b> (07 72 23) Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0040	EA 8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	317.83	50.76
	<i>For Backdraft Damper, Add</i>	181.80	
	<i>For Curb Base, Add</i>	255.77	
07 72 23 00-0041	EA 10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	395.53	56.40
	<i>For Backdraft Damper, Add</i>	198.91	
	<i>For Curb Base, Add</i>	279.60	
07 72 23 00-0042	EA 12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	445.12	67.69
	<i>For Backdraft Damper, Add</i>	271.63	
	<i>For Curb Base, Add</i>	355.62	
07 72 23 00-0043	EA 16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	547.60	74.45
	<i>For Backdraft Damper, Add</i>	310.13	
	<i>For Curb Base, Add</i>	413.21	
07 72 23 00-0044	EA 24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	1,513.59	101.53
	<i>For Backdraft Damper, Add</i>	389.27	
	<i>For Curb Base, Add</i>	543.06	
07 72 23 00-0045	EA 30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	1,852.51	117.32
	<i>For Backdraft Damper, Add</i>	459.85	
	<i>For Curb Base, Add</i>	650.34	
07 72 23 00-0046	EA 36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	2,539.30	135.36
	<i>For Backdraft Damper, Add</i>	459.85	
	<i>For Curb Base, Add</i>	672.74	
07 72 23 00-0047	EA 42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	3,596.27	146.65
	<i>For Backdraft Damper, Add</i>	481.24	
	<i>For Curb Base, Add</i>	695.28	
07 72 23 00-0048	EA 48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	5,207.23	157.93
	<i>For Backdraft Damper, Add</i>	534.71	
	<i>For Curb Base, Add</i>	784.14	
07 72 23 00-0049	<b>Galvanized Steel, Stationary Gooseneck Ventilators</b> (07 72 23) Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0050	EA 8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	653.45	56.40
07 72 23 00-0051	EA 12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	758.97	74.45
07 72 23 00-0052	EA 16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	1,097.93	101.53
07 72 23 00-0053	EA 24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	1,740.39	117.32

**07 72 26 Ridge Vents** (07 72)





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 72 26 00-0001 Aluminum Ridge Vents</b> <small>(07 72 26)</small>		
07 72 26 00-0002 LF Aluminum Ridge Vent Strips.....	14.34	3.28
07 72 26 00-0003 EA Aluminum Ridge Univent Connectors.....	52.89	20.34
07 72 26 00-0004 EA Aluminum Ridge Univent End Cap.....	48.62	20.34
<b>07 72 26 00-0005 Galvanized Ridge Vents</b> <small>(07 72 26)</small>		
07 72 26 00-0006 LF Galvanized Sheet Metal Ridge Vent Strips.....	13.34	3.50
<b>07 72 29 Rafter Vent</b> <small>(07 72)</small>		
<b>07 72 29 00-0001 Rafter Vent</b> <small>(07 72 29)</small>		
Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.		
07 72 29 00-0002 EA 22" x 4' Rafter Vent.....	10.29	
07 72 29 00-0003 EA 14" x 4' Rafter Vent.....	9.26	
<b>07 72 33 Roof Hatches</b> <small>(07 72)</small>		
Note: Includes curb with integral insulation, lockable hatch and gaskets.		
<b>07 72 33 00-0001 Galvanized Steel Cover And Curb</b> <small>(07 72 33)</small>		
07 72 33 00-0002 EA 2'-6" x 3'-0" Galvanized Steel Roof Hatch (Bilco S-20).....	1,237.62	143.32
07 72 33 00-0003 EA 2'-6" x 4'-6" Galvanized Steel Roof Hatch (Bilco NB-20).....	1,820.57	159.25
07 72 33 00-0004 EA 2'-6" x 8'-0" Galvanized Steel Roof Hatch (Bilco L-20).....	3,220.38	217.18
07 72 33 00-0005 EA 3'-0" x 3'-0" Galvanized Steel Roof Hatch (Bilco E-20).....	1,795.16	159.25
07 72 33 00-0006 EA 4'-0" x 4'-0" Galvanized Steel Roof Hatch.....	2,026.15	176.96
07 72 33 00-0007 EA 3'-0" x 8'-0" Galvanized Steel Roof Hatch.....	3,328.32	241.37
<b>07 72 33 00-0008 Aluminum Cover And Curb</b> <small>(07 72 33)</small>		
07 72 33 00-0009 EA 2'-6" x 3'-0" Aluminum Roof Hatch (Bilco S-50).....	1,177.69	143.32
07 72 33 00-0010 EA 2'-6" x 4'-6" Aluminum Roof Hatch (Bilco NB-50).....	1,531.58	159.25
07 72 33 00-0011 EA 2'-6" x 8'-0" Aluminum Roof Hatch (Bilco L-50).....	2,786.10	217.18
07 72 33 00-0012 EA 3'-0" x 3'-0" Aluminum Roof Hatch (Bilco E-50).....	1,498.76	159.25
07 72 33 00-0013 EA 4'-0" x 4'-0" Aluminum Roof Hatch (Bilco F-50).....	2,674.85	176.96
07 72 33 00-0014 EA 3'-0" x 8'-0" Aluminum Roof Hatch.....	2,936.99	241.37
07 72 33 00-0015 EA 3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight (Bilco GS-50).....	1,681.36	159.25
<b>07 72 33 00-0016 Steel, Plain, Primed</b> <small>(07 72 33)</small>		
07 72 33 00-0017 EA 2'-6" x 3'-0" Plain Steel Roof Hatch Primed (Bilco S-20).....	1,186.29	143.32
07 72 33 00-0018 EA 2'-6" x 4'-6" Plain Steel Roof Hatch Primed (Bilco NB-20).....	1,607.36	159.25
07 72 33 00-0019 EA 2'-6" x 8'-0" Plain Steel Roof Hatch Primed (Bilco L-20).....	2,202.07	217.18
07 72 33 00-0020 EA 3'-0" x 3'-0" Plain Steel Roof Hatch Primed (Bilco E-20).....	1,492.05	159.25
07 72 33 00-0021 EA 4'-0" x 4'-0" Plain Steel Roof Hatch Primed.....	1,830.59	176.96
07 72 33 00-0022 EA 3'-0" x 8'-0" Plain Steel Roof Hatch Primed.....	2,487.42	241.37
<b>07 72 33 00-0023 Stainless Steel</b> <small>(07 72 33)</small>		
07 72 33 00-0024 EA 2'-6" x 3'-0" Stainless Steel Roof Hatch (Bilco S-90).....	2,535.65	143.32
07 72 33 00-0025 EA 2'-6" x 4'-6" Stainless Steel Roof Hatch (Bilco NB-90).....	4,846.35	159.25
07 72 33 00-0026 EA 2'-6" x 8'-0" Stainless Steel Roof Hatch (Bilco L-90).....	7,286.68	217.18
07 72 33 00-0027 EA 3'-0" x 3'-0" Stainless Steel Roof Hatch (Bilco E-90).....	3,890.46	159.25
07 72 33 00-0028 EA 4'-0" x 4'-0" Stainless Steel Roof Hatch.....	8,214.81	176.96
07 72 33 00-0029 EA 3'-0" x 8'-0" Stainless Steel Roof Hatch.....	9,202.87	241.37
<b>07 72 33 00-0030 Removal And Reinstallation Of Roof Hatch</b> <small>(07 72 33)</small>		
Note: Includes storage, cleaning and supply materials.		
07 72 33 00-0031 EA Removal And Reinstallation Of Roof Hatch (All Types).....	440.84	
<b>07 72 33 00-0032 Aluminum Cover And Galvanized Steel Curb</b> <small>(07 72 33)</small>		
07 72 33 00-0033 EA Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof (Bilco S-40).....	1,140.66	159.25
07 72 33 00-0034 EA Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof (Bilco NB-40).....	1,494.54	176.96
07 72 33 00-0035 EA Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof (Bilco L-40).....	2,689.81	241.27
07 72 33 00-0036 EA Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof (Bilco E-40).....	1,469.13	164.22
07 72 33 00-0037 EA Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof (Bilco F-40).....	2,593.37	181.94
<b>07 72 33 00-0038 Roof Hatch Accessories</b> <small>(07 72 33)</small>		
07 72 33 00-0039 EA Roof Hatch Ladderup Safety Post (Bilco LU-1).....	773.22	74.65
<b>07 72 33 00-0040 Roof Hatch Safety Railing</b> <small>(07 72 33)</small>		
Note: Included mounting bracket to attach to roof hatch		
07 72 33 00-0041 EA 24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-24x24).....	1,923.74	
07 72 33 00-0042 EA 24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-24x36).....	1,996.62	
07 72 33 00-0043 EA 30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-30x30).....	2,047.83	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 72 33 00-0044	EA	30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-30x36)	2,230.19	
07 72 33 00-0045	EA	36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-36x36)	2,440.47	
07 72 33 00-0046	EA	48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-48x48)	3,130.42	

### 07 72 36 Smoke Vents (07 72)

#### 07 72 36 00-0001 Fire Vent (07 72 36)

#### 07 72 36 00-0002 Galvanized Steel Covers And Curb (07 72 36 00-0001)

07 72 36 00-0003	EA	4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848)	3,249.76	132.77
07 72 36 00-0004	EA	4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872)	3,735.09	182.54
07 72 36 00-0005	EA	4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890)	4,258.65	199.16
07 72 36 00-0006	EA	4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896)	4,342.02	209.11
07 72 36 00-0007	EA	5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060)	5,045.33	182.54
07 72 36 00-0008	EA	5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072)	5,363.55	199.16
07 72 36 00-0009	EA	5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084)	5,662.20	215.78
07 72 36 00-0010	EA	5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096)	6,449.75	232.40
07 72 36 00-0011	EA	5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120)	8,009.77	248.93
07 72 36 00-0012	EA	5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666)	5,359.09	215.78
07 72 36 00-0013	EA	5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114)	11,300.48	265.55
07 72 36 00-0014	EA	6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272)	6,172.40	282.16

#### 07 72 36 00-0015 Aluminum Covers And Galvanized Steel Curb (07 72 36 00-0001)

07 72 36 00-0016	EA	4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4848A)	2,598.88	132.77
07 72 36 00-0017	EA	4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4872A)	2,977.21	182.54
07 72 36 00-0018	EA	4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4890A)	3,350.22	199.16
07 72 36 00-0019	EA	4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4896A)	3,468.85	209.11
07 72 36 00-0020	EA	5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6060A)	3,369.77	182.54
07 72 36 00-0021	EA	5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6072A)	4,305.71	199.16
07 72 36 00-0022	EA	5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6084A)	4,604.63	215.78
07 72 36 00-0023	EA	5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6096A)	4,481.36	232.40
07 72 36 00-0024	EA	5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-60120A)	6,298.71	248.93
07 72 36 00-0025	EA	5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6666A)	4,345.39	215.78
07 72 36 00-0026	EA	5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-66144A)	8,264.19	265.55
07 72 36 00-0027	EA	6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-7272A)	4,259.74	282.16

#### 07 72 36 00-0028 Aluminum Covers And Curb (07 72 36 00-0001)

07 72 36 00-0029	EA	4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848B)	2,835.90	132.77
07 72 36 00-0030	EA	4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872B)	3,369.77	182.54
07 72 36 00-0031	EA	4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890B)	3,698.34	199.16
07 72 36 00-0032	EA	4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896B)	3,913.26	209.11
07 72 36 00-0033	EA	5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060B)	3,547.54	182.54
07 72 36 00-0034	EA	5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072B)	4,490.88	199.16
07 72 36 00-0035	EA	5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084B)	4,767.58	215.78
07 72 36 00-0036	EA	5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096B)	4,925.77	232.40
07 72 36 00-0037	EA	5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120B)	5,980.22	248.93
07 72 36 00-0038	EA	5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666B)	4,552.78	215.78
07 72 36 00-0039	EA	5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114B)	9,027.10	265.55
07 72 36 00-0040	EA	6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272B)	4,704.15	282.16

#### 07 72 36 00-0041 Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb (07 72 36)

07 72 36 00-0042	EA	4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4848B)	2,806.27	132.38
07 72 36 00-0043	EA	4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4872B)	3,554.94	182.54
07 72 36 00-0044	EA	4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4896B)	3,757.71	209.11
07 72 36 00-0045	EA	5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6060B)	4,036.39	182.54
07 72 36 00-0046	EA	5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6096B)	4,259.17	232.40

### 07 72 46 Roof Walkways (07 72)

#### 07 72 46 00-0001 Recycled Rubber Walkway Pads (07 72 46)

07 72 46 00-0002	SF	3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	11.00	2.41
		For Diamond Surface, Add	1.05	
07 72 46 00-0003	SF	1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	12.32	2.89
		For Diamond Surface, Add	1.23	
07 72 46 00-0004	SF	3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	13.64	2.89
		For Diamond Surface, Add	1.38	

### 07 72 53 Snow Guards (07 72)

#### 07 72 53 00-0001 Snow Guards For Shingle And Tile Roofs (07 72 53)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 53 00-0002 EA 6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs.....	22.90	2.45
07 72 53 00-0003 EA 6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs .....	25.16	2.45
07 72 53 00-0004 EA 6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs.....	23.67	2.45
07 72 53 00-0005 EA 6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs.....	13.22	2.45
<b>07 72 53 00-0006 Snow Guards For Metal Roofs (07 72 53)</b>		
Note: Aluminum construction.		
07 72 53 00-0007 EA Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300) .....	27.48	4.04
07 72 53 00-0008 EA Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300) .....	30.90	4.04
07 72 53 00-0009 EA Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300) .....	47.07	4.04
07 72 53 00-0010 EA Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	46.34	4.04
07 72 53 00-0011 EA Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516) .....	42.83	4.71
07 72 53 00-0012 EA Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	47.13	4.71
07 72 53 00-0013 EA Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	59.77	4.71
07 72 53 00-0014 EA Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM) .....	24.01	3.53
<i>For Mechanically Fastened, Add</i>		
07 72 53 00-0015 EA Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM) .....	27.56	3.53
<i>For Mechanically Fastened, Add</i>		
07 72 53 00-0016 EA Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM).....	39.62	3.53
<i>For Mechanically Fastened, Add</i>		
07 72 53 00-0017 EA Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15) .....	12.18	3.53
Note: Can be used for metal, rubber, PVC, TPO or glass roofing.		
<i>For Mechanically Fastened, Add</i>		
	<b>9.42</b>	
<b>07 72 53 00-0018 Snow Breaker For Roofs (07 72 53)</b>		
07 72 53 00-0019 EA Up To 50 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount .....	16.09	4.71
07 72 53 00-0020 EA >50 To 150 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount.....	15.01	4.71
07 72 53 00-0021 EA >150 To 500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount.....	14.47	4.71
07 72 53 00-0022 EA >500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount .....	13.82	4.71
<b>07 72 53 00-0023 Ice Breaker For Vents (07 72 53)</b>		
07 72 53 00-0024 EA Ice Breaker For Vents Up to 4", Mechanically Fastened.....	138.77	
07 72 53 00-0025 EA Ice Breaker For Vents And Stacks >4" To 14" Diameter, Mechanically Fastened .....	159.50	
<b>07 72 53 00-0026 Pipe Style, Snow Guards For Metal Roofs (07 72 53)</b>		
<b>07 72 53 00-0027 Pipe Style, Standing Seam Metal Roof Snow Guard Clamps (07 72 53 00-0026)</b>		
Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.		
07 72 53 00-0028 EA Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....	62.75	14.13
07 72 53 00-0029 EA Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000) .....	76.04	14.13
07 72 53 00-0030 EA Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000) .....	86.65	14.13
07 72 53 00-0031 EA Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000) .....	109.48	14.13
07 72 53 00-0032 EA Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000).....	111.68	16.96
<b>07 72 53 00-0033 Tubing For Snow Guard Clamps (07 72 53 00-0026)</b>		
07 72 53 00-0034 LF 1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®).....	12.73	3.39
Note: Includes end caps, collars and couplings.		
07 72 53 00-0035 LF 1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®) .....	26.84	3.39
Note: Includes end caps, collars and couplings.		
<b>07 72 56 Snow/Ice Melt Cable (07 72)</b>		
<b>07 72 56 00-0001 Self Regulating Heating Cable For Roofs And Gutters (07 72 56)</b>		
07 72 56 00-0002 LF 12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters .....	16.08	0.96
Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0003 LF 12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters .....	17.32	0.96
Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0004 EA Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters.....	215.52	72.18
07 72 56 00-0005 EA Splice Kit For Self Regulating Heating Cable For Roofs And Gutters.....	165.72	52.94
07 72 56 00-0006 EA Edge Of Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters.....	7.93	2.88
<i>For &gt;5, Deduct</i>		
07 72 56 00-0007 EA Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters.....	7.46	2.88
<i>For &gt;5, Deduct</i>		
07 72 56 00-0008 EA Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters .....	59.96	7.22
07 72 56 00-0009 EA 120 Volt AC, Snow Switch, Automatic Control For Melting Snow .....	1,007.79	57.74
07 72 56 00-0010 EA Automatic Gutter Ice Melting Control .....	1,386.81	72.18
<b>07 72 63 Waste Containment Assemblies (07 72)</b>		
<b>07 72 63 00-0001 Rooftop Oil And Grease Containment System (07 72 63)</b>		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0002			<b>Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E)</b> <small>(07 72 63 00-0001)</small>		
07 72 63 00-0003	EA		48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E).....	2,899.02	196.09
07 72 63 00-0004	EA		60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E).....	3,252.84	196.09
07 72 63 00-0005	EA		60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E).....	4,010.48	203.94
07 72 63 00-0006	EA		72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E).....	3,990.25	203.94
07 72 63 00-0007	EA		72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E).....	5,237.59	220.61
07 72 63 00-0008	EA		72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E).....	4,059.51	220.61
07 72 63 00-0009	EA		90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E).....	4,515.77	261.39
07 72 63 00-0010	EA		108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E).....	6,683.75	326.78
07 72 63 00-0011	EA		120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E).....	8,342.15	326.78
07 72 63 00-0012	EA		144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E).....	10,617.40	326.78
07 72 63 00-0013			<b>Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD)</b> <small>(07 72 63 00-0001)</small>		
07 72 63 00-0014	EA		48" Length, 48" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100).....	3,591.60	196.09
07 72 63 00-0015	EA		60" Length, 60" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101).....	4,051.73	196.09
07 72 63 00-0016	EA		60" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106).....	5,026.77	203.94
07 72 63 00-0017	EA		72" Length, 72" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102).....	5,117.80	203.94
07 72 63 00-0018	EA		72" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103).....	7,345.99	220.61
07 72 63 00-0019	EA		72" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111).....	8,069.02	220.61
07 72 63 00-0020	EA		90" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105).....	7,468.54	261.39
07 72 63 00-0021	EA		108" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112).....	8,392.71	326.78
07 72 63 00-0022	EA		120" Length, 120" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107).....	10,551.66	326.78
07 72 63 00-0023	EA		144" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113).....	13,509.48	326.78
07 72 63 00-0024			<b>Replacement Filter Sets For Rooftop Oil And Grease Containment System</b> <small>(07 72 63)</small> Note: Includes removing old filters and installing new filters.		
07 72 63 00-0025			<b>Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System</b> <small>(07 72 63 00-0024)</small>		
07 72 63 00-0026			<b>Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System</b> <small>(07 72 63 00-0025)</small>		
07 72 63 00-0027	SET		48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E).....	241.61	
07 72 63 00-0028	SET		60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E).....	342.74	
07 72 63 00-0029	SET		60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E).....	494.41	
07 72 63 00-0030	SET		72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E).....	453.66	
07 72 63 00-0031	SET		72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E).....	858.16	
07 72 63 00-0032	SET		72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E).....	868.26	
07 72 63 00-0033	SET		90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E).....	665.72	
07 72 63 00-0034	SET		108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E).....	867.97	
07 72 63 00-0035	SET		120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E).....	1,277.51	
07 72 63 00-0036	SET		144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E).....	1,687.06	
07 72 63 00-0037			<b>Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System</b> <small>(07 72 63 00-0024)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>07 72 63 00-0038</b>			<b>Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System</b> <small>(07 72 63 00-0037)</small>		
07 72 63 00-0039	SET		48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC) .....	509.12	
07 72 63 00-0040	SET		60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC) .....	681.04	
07 72 63 00-0041	SET		60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC) .....	994.52	
07 72 63 00-0042	SET		72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC) .....	923.42	
07 72 63 00-0043	SET		72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC) .....	1,788.02	
07 72 63 00-0044	SET		72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC) .....	1,798.12	
07 72 63 00-0045	SET		90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC) .....	1,327.60	
07 72 63 00-0046	SET		108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC) .....	1,797.83	
07 72 63 00-0047	SET		120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC) .....	2,642.19	
07 72 63 00-0048	SET		144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC) .....	3,521.96	

<b>07 72 63 00-0049</b>			<b>Heavy Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System</b> <small>(07 72 63 00-0037)</small>		
07 72 63 00-0050	SET		48" Length, 48" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C) .....	635.53	
07 72 63 00-0051	SET		60" Length, 60" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C) .....	792.27	
07 72 63 00-0052	SET		60" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C) .....	1,166.42	
07 72 63 00-0053	SET		72" Length, 72" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C) .....	1,100.39	
07 72 63 00-0054	SET		72" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C) .....	2,157.11	
07 72 63 00-0055	SET		72" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C) .....	2,147.00	
07 72 63 00-0056	SET		90" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C) .....	1,560.20	
07 72 63 00-0057	SET		108" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C) .....	2,166.92	
07 72 63 00-0058	SET		120" Length, 120" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C) .....	3,046.69	
07 72 63 00-0059	SET		144" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C) .....	4,244.99	

**07 73 Roof Protection Board** (07 70)

<b>07 73 00 00-0001</b>			<b>Roof Protection Board</b> <small>(07 73)</small>		
Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.					
<b>07 73 00 00-0002</b>			<b>Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®)</b> <small>(07 73 00 00-0001)</small>		
07 73 00 00-0003	SF		1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®) .....	3.59	0.49
For No Adhesive, Deduct				-0.85	
07 73 00 00-0004	SF		1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®) .....	4.06	0.54
For No Adhesive, Deduct				-0.87	
07 73 00 00-0005	SF		5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®) .....	4.27	0.59
For No Adhesive, Deduct				-0.88	
07 73 00 00-0006	SF		1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime) .....	3.64	0.49
For No Adhesive, Deduct				-0.85	
07 73 00 00-0007	SF		1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime) .....	4.14	0.54
For No Adhesive, Deduct				-0.87	
07 73 00 00-0008	SF		5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime) .....	4.35	0.59
For No Adhesive, Deduct				-0.88	
<b>07 73 00 00-0009</b>			<b>Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®)</b> <small>(07 73 00 00-0001)</small>		
07 73 00 00-0010	SF		1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®) .....	3.41	0.49
07 73 00 00-0011	SF		1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®) .....	3.89	0.54

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 73</b>	<b>Roof Protection Board</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0012	SF		5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®).....	4.13	0.59
07 73 00 00-0013	SF		1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime) .....	3.47	0.49
07 73 00 00-0014	SF		1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime) .....	3.98	0.54
07 73 00 00-0015	SF		5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime) .....	4.21	0.59
<b>07 73 00 00-0016</b>			<b>Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®)</b> (07 73 00 00-0001) Note: Mechanically fastened to wood or steel.		
07 73 00 00-0017	SF		1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	3.24	0.49
			<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.29	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.10	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 73 00 00-0018	SF		1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	3.72	0.54
			<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.36	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.17	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 73 00 00-0019	SF		5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	3.92	0.59
			<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.41	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.22	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 73 00 00-0020	SF		1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	3.30	0.49
			<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.29	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.10	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 73 00 00-0021	SF		1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	3.80	0.54
			<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.36	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.17	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
07 73 00 00-0022	SF		5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	4.01	0.59
			<i>For Mechanically Fastened To Concrete, Add</i>	1.32	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.66	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.53	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.41	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.22	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.97	
<b>07 76</b>			<b>Roof Pavers</b> (07 70)		
<b>07 76 16</b>			<b>Roof Decking Pavers</b> (07 76)		
<b>07 76 16 00-0001</b>			<b>Roof Pavers</b> (07 76 16) Note: For walkway application over roofing system.		
07 76 16 00-0002	SF		Up To 100 SF, 2" Concrete Roof Paver .....	12.88	6.26
			<i>For 1-1/2" Thickness, Deduct</i>	-1.29	
			<i>For 2-1/2" Thickness, Add</i>	1.52	
			<i>For 3" Thickness, Add</i>	3.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 76 16 00-0003 SF >100 To 200 SF, 2" Concrete Roof Paver .....	11.67	4.72
<i>For 1-1/2" Thickness, Deduct</i>	-1.17	
<i>For 2-1/2" Thickness, Add</i>	1.39	
<i>For 3" Thickness, Add</i>	2.78	
07 76 16 00-0004 SF >200 To 400 SF, 2" Concrete Roof Paver .....	10.94	3.76
<i>For 1-1/2" Thickness, Deduct</i>	-1.09	
<i>For 2-1/2" Thickness, Add</i>	1.30	
<i>For 3" Thickness, Add</i>	2.61	
07 76 16 00-0005 SF >400 To 1,000 SF, 2" Concrete Roof Paver .....	10.45	3.28
<i>For 1-1/2" Thickness, Deduct</i>	-1.05	
<i>For 2-1/2" Thickness, Add</i>	1.24	
<i>For 3" Thickness, Add</i>	2.49	
07 76 16 00-0006 SF >1,000 SF, 2" Concrete Roof Paver .....	9.88	2.98
<i>For 1-1/2" Thickness, Deduct</i>	-0.99	
<i>For 2-1/2" Thickness, Add</i>	1.17	
<i>For 3" Thickness, Add</i>	2.35	
<b>07 76 16 00-0007 Roof Paver Pedestal</b> <small>(07 76 16)</small>		
07 76 16 00-0008 EA 2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator) .....	23.82	0.98
07 76 16 00-0009 EA 3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator) .....	24.80	0.98
07 76 16 00-0010 EA 4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator) .....	25.79	0.98
07 76 16 00-0011 EA Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator) .....	13.41	0.98
07 76 16 00-0012 EA Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator) .....	11.38	0.98
07 76 16 00-0013 EA 5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal) .....	11.68	0.98
Note: Stackable.		
07 76 16 00-0014 EA 1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal .....	6.64	0.98
Note: Used with High Tab and Elevator pedestals.		
07 76 16 00-0015 EA Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator) .....	8.49	0.98
Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.		
<b>07 76 19 Composite Insulation Concrete Protection Board</b> <small>(07 76)</small>		
Note: Manufactured by T. Clear Corp. 25 year warranty.		
<b>07 76 19 00-0001 Composite Insulation Concrete Protection Board</b> <small>(07 76 19)</small>		
Note: Manufactured by T. Clear Corp. 25 year warranty.		
07 76 19 00-0002 SF 2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF .....	5.55	
<i>For 20 Year Warranty, Deduct</i>	-0.35	
<i>For 15 Year Warranty, Deduct</i>	-0.70	
<i>For 10 Year Warranty, Deduct</i>	-0.95	
<i>For Winds &gt;90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0003 SF 3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF .....	7.30	
<i>For 20 Year Warranty, Deduct</i>	-0.50	
<i>For 15 Year Warranty, Deduct</i>	-1.00	
<i>For 10 Year Warranty, Deduct</i>	-1.35	
<i>For Winds &gt;90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0004 SF 2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF .....	8.57	
<i>For 20 Year Warranty, Deduct</i>	-0.58	
<i>For 15 Year Warranty, Deduct</i>	-1.16	
<i>For 10 Year Warranty, Deduct</i>	-1.56	
<i>For Winds &gt;90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0005 SF 3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF .....	10.41	
<i>For 20 Year Warranty, Deduct</i>	-0.72	
<i>For 15 Year Warranty, Deduct</i>	-1.45	
<i>For 10 Year Warranty, Deduct</i>	-1.97	
<i>For Winds &gt;90 MPH To 120 MPH Warranty, Add</i>	0.10	
<b>07 80 Fire and Smoke Protection</b> <small>(07)</small>		
<b>07 81 Applied Fireproofing</b> <small>(07 80)</small>		
Note: Includes bonding agents as required.		
<b>07 81 16 Cementitious Fireproofing</b> <small>(07 81)</small>		
<b>07 81 16 00-0001 Monokote Fireproofing</b> <small>(07 81 16)</small>		
07 81 16 00-0002 SF Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness .....	2.06	0.71
07 81 16 00-0003 SF Monokote Fireproofing For Structural Steel, Per Inch Of Thickness .....	2.85	1.06
<b>07 81 16 00-0004 Gunitite Fireproofing</b> <small>(07 81 16)</small>		
07 81 16 00-0005 SF 1" Thick, Non Reinforced, Gunitite Fireproofing .....	3.42	0.72
07 81 16 00-0006 SF 1" Thick, Reinforced, Gunitite Fireproofing .....	4.91	0.72
<b>07 81 23 Intumescent Fireproofing</b> <small>(07 81)</small>		
<b>07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF)</b> <small>(07 81 23)</small>		
<b>07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)</b> <small>(07 81 23 00-0001)</small>		
Note: Excludes primer.		
07 81 23 00-0003 SF 1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) .....	16.56	
<i>For &gt;10,000, Deduct</i>	-1.60	

**07 Thermal And Moisture Protection****07 80 Fire and Smoke Protection****07 81 Applied Fireproofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT UNIT COST  
DEMOLITION UNIT COST

07 81 23 00-0004	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) <i>For &gt;10,000, Deduct</i>	26.79	-2.62
<b>07 81 23 00-0005 Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)</b> <small>(07 81 23 00-0001)</small>				
Note: Excludes primer.				
07 81 23 00-0006	SF	1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) <i>For &gt;10,000, Deduct</i>	10.62	-1.00
07 81 23 00-0007	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) <i>For &gt;10,000, Deduct</i>	23.93	-2.33
07 81 23 00-0008	SF	2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) <i>For &gt;10,000, Deduct</i>	54.63	-5.40
07 81 23 00-0009	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) <i>For &gt;10,000, Deduct</i>	75.32	-7.46
07 81 23 00-0010	SF	3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) <i>For &gt;10,000, Deduct</i>	96.03	-9.53
07 81 23 00-0011	SF	3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) <i>For &gt;10,000, Deduct</i>	116.77	-11.60
<b>07 81 23 00-0012 Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)</b> <small>(07 81 23 00-0001)</small>				
Note: Excludes primer.				
07 81 23 00-0013	SF	1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) <i>For &gt;10,000, Deduct</i>	21.80	-2.12
07 81 23 00-0014	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) <i>For &gt;10,000, Deduct</i>	40.79	-4.02
07 81 23 00-0015	SF	2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) <i>For &gt;10,000, Deduct</i>	64.95	-6.43
07 81 23 00-0016	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) <i>For &gt;10,000, Deduct</i>	90.83	-9.01
07 81 23 00-0017	SF	3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) <i>For &gt;10,000, Deduct</i>	114.98	-11.43
<b>07 81 23 00-0018 Intumescent Thin Film Fireproofing (Albi Clad FP)</b> <small>(07 81 23)</small>				
<b>07 81 23 00-0019 Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)</b> <small>(07 81 23 00-0018)</small>				
Note: Excludes primer.				
07 81 23 00-0020	SF	1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) <i>For &gt;10,000, Deduct</i>	10.50	-1.01
07 81 23 00-0021	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) <i>For &gt;10,000, Deduct</i>	24.19	-2.38
07 81 23 00-0022	SF	2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) <i>For &gt;10,000, Deduct</i>	55.77	-5.53
07 81 23 00-0023	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) <i>For &gt;10,000, Deduct</i>	77.06	-7.66
07 81 23 00-0024	SF	3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) <i>For &gt;10,000, Deduct</i>	98.36	-9.78
<b>07 81 33 Mineral-Fiber Fireproofing</b> <small>(07 81)</small>				
<b>07 81 33 00-0001 Cellulose Fireproofing</b> <small>(07 81 33)</small>				
07 81 33 00-0002	SF	Cellulose Fireproofing, Per Inch Of Thickness	2.94	0.72
<b>07 84 Firestopping</b> <small>(07 80)</small>				
<b>07 84 13 Penetration Firestopping</b> <small>(07 84)</small>				
<b>07 84 13 16 Penetration Firestopping Devices</b> <small>(07 84 13)</small>				
<b>07 84 13 16-0001 Firestopping Systems For Cable Penetrations</b> <small>(07 84 13 16)</small>				
<b>07 84 13 16-0002 Intumescent Firestop Cable Sleeve For New Installations</b> <small>(07 84 13 16-0001)</small>				
Note: Includes putty, escutcheon plates, gaskets and bushings.				
07 84 13 16-0003	EA	1" Diameter Intumescent Firestop Sleeve (STI FS100)	62.57	
07 84 13 16-0004	EA	2" Diameter Intumescent Firestop Sleeve (STI FS201)	84.53	
07 84 13 16-0005	EA	4" Diameter Intumescent Firestop Sleeve (STI FS401)	137.95	
<b>07 84 13 16-0006 Intumescent Firestop Cable Pathway For New Or Existing Cable Installations</b> <small>(07 84 13 16-0001)</small>				
Note: Includes pathway, putty and wall/floor mounting plates.				
07 84 13 16-0007	EA	1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	115.34	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 84 13 16-0008	EA		3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS) .....	203.07	
	07 84 13 16-0009	EA		4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44) .....	372.73	
	<b>07 84 13 16-0010</b>			<b>3M Intumescent Firestopping Multi-Trade Pass Through Device</b> <small>(07 84 13 16)</small>		
	07 84 13 16-0011	EA		2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD) .....	260.52	
	07 84 13 16-0012	EA		4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD) .....	241.12	
	07 84 13 16-0013	EA		4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD) .....	248.49	
	<b>07 84 13 16-0014</b>			<b>Intumescent Firestopping Pipe Collar</b> <small>(07 84 13 16)</small>		
	07 84 13 16-0015	EA		1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5) .....	37.81	10.47
	07 84 13 16-0016	EA		2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0) .....	45.94	10.47
	07 84 13 16-0017	EA		3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0) .....	53.56	11.52
	07 84 13 16-0018	EA		4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0) .....	84.62	13.09
	07 84 13 16-0019	EA		8" Intumescent Firestop Pipe Collar (Hilti CP644 8") .....	423.60	15.71
	07 84 13 16-0020	EA		10" Intumescent Firestop Pipe Collar (Hilti CP644 10") .....	547.76	17.27
	<b>07 84 13 16-0021</b>			<b>Fire Rated Enclosures (Fire Rated Product Specialties Corp.)</b> <small>(07 84 13 16)</small>		
				Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.		
	07 84 13 16-0022	EA		12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9) .....	161.92	
				Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
	07 84 13 16-0023	EA		15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9) .....	172.08	
				Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
	07 84 13 16-0024	EA		11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH) .....	343.16	
				Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.		
	07 84 13 16-0025	EA		14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3) .....	216.76	
				Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.		
	<b>07 84 13 16-0026</b>			<b>Intumescent Firestopping Wrap Strips</b> <small>(07 84 13 16)</small>		
	07 84 13 16-0027	LF		1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series) .....	6.25	
	<b>07 84 13 19</b>			<b>Penetration Firestopping Caulk</b> <small>(07 84 13)</small>		
	<b>07 84 13 19-0001</b>			<b>Intumescent Firestopping For Sealing Pipe Penetrations (3M CP 25WB+)</b> <small>(07 84 13 19)</small>		
				Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.		
	07 84 13 19-0002	EA		1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	21.95	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.07	
	07 84 13 19-0003	EA		1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	27.06	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.37	
	07 84 13 19-0004	EA		1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	26.83	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.28	
	07 84 13 19-0005	EA		1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	26.44	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.12	
	07 84 13 19-0006	EA		2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	31.39	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.79	
	07 84 13 19-0007	EA		2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	31.15	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.69	
	07 84 13 19-0008	EA		2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	30.77	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.54	
	07 84 13 19-0009	EA		2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	30.17	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.30	
	07 84 13 19-0010	EA		2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	29.65	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.09	
	07 84 13 19-0011	EA		2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	38.16	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.32	
	07 84 13 19-0012	EA		2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	37.93	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.23	
	07 84 13 19-0013	EA		2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	37.54	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.08	
	07 84 13 19-0014	EA		2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	36.94	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.84	
	07 84 13 19-0015	EA		2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	36.43	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.63	
	07 84 13 19-0016	EA		2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	35.21	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.14	
	07 84 13 19-0017	EA		3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	52.49	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	3.57	
	07 84 13 19-0018	EA		3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	48.29	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.89	
	07 84 13 19-0019	EA		3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	47.91	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.74	
	07 84 13 19-0020	EA		3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	47.30	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.49	
	07 84 13 19-0021	EA		3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	46.79	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.29	

**07 Thermal And Moisture Protection****07 80 Fire and Smoke Protection****07 84 Firestopping**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 84 13 19-0022	EA	3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	45.58	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	0.80	
07 84 13 19-0023	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	44.01	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	0.18	
07 84 13 19-0024	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	70.92	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	6.58	
07 84 13 19-0025	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	70.49	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	6.41	
07 84 13 19-0026	EA	4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	69.80	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	6.14	
07 84 13 19-0027	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	68.71	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	5.70	
07 84 13 19-0028	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	67.79	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	5.33	
07 84 13 19-0029	EA	4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	60.65	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	2.48	
07 84 13 19-0030	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	59.09	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	1.85	
07 84 13 19-0031	EA	4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	56.70	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	0.90	
07 84 13 19-0032	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	114.22	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	15.19	
07 84 13 19-0033	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	113.80	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	15.02	
07 84 13 19-0034	EA	6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	113.10	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	14.74	
07 84 13 19-0035	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	112.02	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	14.31	
07 84 13 19-0036	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	111.10	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	13.94	
07 84 13 19-0037	EA	6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	108.92	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	13.07	
07 84 13 19-0038	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	106.09	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	11.94	
07 84 13 19-0039	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	101.81	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	10.22	
07 84 13 19-0040	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	85.67	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	3.77	
07 84 13 19-0041	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	152.55	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	23.99	
07 84 13 19-0042	EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	148.25	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	22.27	
07 84 13 19-0043	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	139.65	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	18.83	
07 84 13 19-0044	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	104.56	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	4.79	
07 84 13 19-0045	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	194.73	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	34.32	
07 84 13 19-0046	EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	169.21	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	24.12	
07 84 13 19-0047	EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	124.18	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	6.10	

**07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations**

(07 84 13 19)

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	26.46	
07 84 13 19-0050	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	26.37	
07 84 13 19-0051	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	26.24	
07 84 13 19-0052	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	30.08	
07 84 13 19-0053	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	29.99	
07 84 13 19-0054	EA	2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	29.86	
07 84 13 19-0055	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	29.68	
07 84 13 19-0056	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	29.51	
07 84 13 19-0057	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.99	
07 84 13 19-0058	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.91	
07 84 13 19-0059	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.78	
07 84 13 19-0060	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.59	
07 84 13 19-0061	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.43	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0062	EA			2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.01	
07 84 13 19-0063	EA			3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	45.26	
07 84 13 19-0064	EA			3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	45.17	
07 84 13 19-0065	EA			3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	45.05	
07 84 13 19-0066	EA			3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	44.86	
07 84 13 19-0067	EA			3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	44.70	
07 84 13 19-0068	EA			3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	44.28	
07 84 13 19-0069	EA			3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	43.70	
07 84 13 19-0070	EA			4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	57.60	
07 84 13 19-0071	EA			4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	57.51	
07 84 13 19-0072	EA			4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	57.39	
07 84 13 19-0073	EA			4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	57.18	
07 84 13 19-0074	EA			4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	56.99	
07 84 13 19-0075	EA			4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	56.57	
07 84 13 19-0076	EA			4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	56.04	
07 84 13 19-0077	EA			4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	55.21	
07 84 13 19-0078	EA			6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	83.49	
07 84 13 19-0079	EA			6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	83.40	
07 84 13 19-0080	EA			6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	83.28	
07 84 13 19-0081	EA			6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	83.09	
07 84 13 19-0082	EA			6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	82.93	
07 84 13 19-0083	EA			6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	82.51	
07 84 13 19-0084	EA			6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	81.93	
07 84 13 19-0085	EA			6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	81.15	
07 84 13 19-0086	EA			6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	79.45	
07 84 13 19-0087	EA			8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	104.02	
07 84 13 19-0088	EA			8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	103.23	
07 84 13 19-0089	EA			8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	101.53	
07 84 13 19-0090	EA			8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	96.73	
07 84 13 19-0091	EA			10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	125.29	
07 84 13 19-0092	EA			10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	120.48	
07 84 13 19-0093	EA			10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	114.12	

**07 84 16 Annular Space Firestopping Protection (07 84)**

07 84 16 00-0001				Intumescent Firestopping For Electrical Outlet Boxes (07 84 16)		
07 84 16 00-0002				Intumescent Putty Pads For Wrapping Outlet Box Exteriors (07 84 16 00-0001)		
07 84 16 00-0003	EA			1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	34.68	
07 84 16 00-0004	EA			2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	49.77	
07 84 16 00-0005	EA			3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	51.95	
07 84 16 00-0006	EA			4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	54.13	
07 84 16 00-0007	EA			5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	56.31	
07 84 16 00-0008	EA			6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	71.39	
07 84 16 00-0009				Intumescent Firestop Gasket For Wall Plates (07 84 16 00-0001)		
07 84 16 00-0010	EA			Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276).....	14.00	
07 84 16 00-0011	EA			Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274).....	14.55	
07 84 16 00-0012	EA			Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272).....	13.54	
07 84 16 00-0013	EA			Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270).....	14.59	

**07 Thermal And Moisture Protection****07 80 Fire and Smoke Protection****07 84 Firestopping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 16 00-0014	EA		Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266).....	14.18	
07 84 16 00-0015	EA		Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265).....	13.61	
<b>07 84 16 00-0016</b>			<b>Intumescent Fire Barrier Pillows For Sealing Large Openings (07 84 16)</b>		
07 84 16 00-0017	EA		2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249).....	36.31	
07 84 16 00-0018	EA		2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269).....	38.96	
07 84 16 00-0019	EA		3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369).....	42.23	
<b>07 84 16 00-0020</b>			<b>Intumescent Fire Barrier Sheets For Sealing Large Openings (07 84 16)</b>		
			Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.		
07 84 16 00-0021	EA		16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28).....	327.73	
07 84 16 00-0022	EA		36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2).....	463.44	
07 84 16 00-0023	EA		36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3).....	628.48	
<b>07 84 16 00-0024</b>			<b>Endothermic Mat Wrap Fire Barrier (07 84 16)</b>		
			Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.		
07 84 16 00-0025	SF		0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4).....	49.37	
<b>07 84 16 00-0026</b>			<b>Firestopping Caulk For Filling Opening (07 84 16)</b>		
07 84 16 00-0027	GAL		Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+).....	137.41	
<b>07 84 16 00-0028</b>			<b>Firestopping Mortar For Filling Opening (07 84 16)</b>		
07 84 16 00-0029	CF		Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series).....	167.10	
<b>07 84 23</b>			<b>Silicone Firestopping Foams (07 84)</b>		
<b>07 84 23 00-0001</b>			<b>Silicone RTV Foam Seal For Blank Openings (07 84 23)</b>		
07 84 23 00-0002	EA		2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	43.46	
07 84 23 00-0003	EA		4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	106.12	
07 84 23 00-0004	EA		6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	190.07	
07 84 23 00-0005	EA		8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	292.90	
07 84 23 00-0006	EA		10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	420.13	
07 84 23 00-0007	EA		12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	566.35	
07 84 23 00-0008	EA		16" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	959.26	
07 84 23 00-0009	EA		20" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	1,433.13	
07 84 23 00-0010	EA		24" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	2,009.48	
<b>07 84 43</b>			<b>Joint Firestopping (07 84)</b>		
<b>07 84 43 00-0001</b>			<b>Intumescent Firestopping Sealant For Joints (3M CP 25WB+) (07 84 43)</b>		
07 84 43 00-0002	CLF		1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	385.45	98.03
			For Up To 6 CLF, Add	21.56	
			For >30 CLF, Deduct	-23.84	
07 84 43 00-0003	CLF		1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	431.16	98.03
			For Up To 4 CLF, Add	24.98	
			For >20 CLF, Deduct	-28.41	
07 84 43 00-0004	CLF		1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	487.73	101.30
			For Up To 3 CLF, Add	28.96	
			For >15 CLF, Deduct	-33.52	
07 84 43 00-0005	CLF		3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	510.58	101.30
			For Up To 2.5 CLF, Add	30.67	
			For >13 CLF, Deduct	-35.81	
07 84 43 00-0006	CLF		3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	579.10	101.30
			For Up To 2 CLF, Add	35.81	
			For >10 CLF, Deduct	-42.66	
07 84 43 00-0007	CLF		3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	647.63	101.30
			For Up To 1.5 CLF, Add	40.95	
			For >8 CLF, Deduct	-49.51	
07 84 43 00-0008	CLF		3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	727.05	105.66
			For Up To 1.3 CLF, Add	46.63	
			For >7 CLF, Deduct	-56.91	
07 84 43 00-0009	CLF		1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	681.37	105.66
			For Up To 1.4 CLF, Add	43.21	
			For >7.5 CLF, Deduct	-52.34	
07 84 43 00-0010	CLF		1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	783.64	108.92
			For Up To 1.15 CLF, Add	50.60	
			For >6 CLF, Deduct	-62.03	
07 84 43 00-0011	CLF		1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	875.01	108.92
			For Up To 1 CLF, Add	57.46	
			For >5 CLF, Deduct	-71.16	
07 84 43 00-0012	CLF		1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	977.27	112.19
			For Up To 0.8 CLF, Add	64.85	
			For >4.5 CLF, Deduct	-80.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0013 CLF 1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Up To 0.75 CLF, Add</i> <i>For &gt;4 CLF, Deduct</i>	1,079.54 72.25 -90.53	116.55
07 84 43 00-0014 CLF 3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Up To 0.65 CLF, Add</i> <i>For &gt;3.5 CLF, Deduct</i>	1,181.80 79.65 -100.21	119.81
07 84 43 00-0015 CLF 3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Up To 0.5 CLF, Add</i> <i>For &gt;2.5 CLF, Deduct</i> <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1,488.60 101.84 -129.25 164.47	130.72
07 84 43 00-0016 CLF 1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Up To 0.4 CLF, Add</i> <i>For &gt;2 CLF, Deduct</i>	1,897.66 131.43 -167.98	144.87
<b>07 84 43 00-0017 Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series) <sup>43)</sup> (07 84</b>		
07 84 43 00-0018 CLF 1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 6 CLF, Add</i> <i>For &gt;30 CLF, Deduct</i>	398.18 22.51 -25.11	98.03
07 84 43 00-0019 CLF 1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 4 CLF, Add</i> <i>For &gt;20 CLF, Deduct</i>	450.21 26.41 -30.32	98.03
07 84 43 00-0020 CLF 1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 3 CLF, Add</i> <i>For &gt;15 CLF, Deduct</i>	513.14 30.86 -36.06	101.30
07 84 43 00-0021 CLF 3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 2.5 CLF, Add</i> <i>For &gt;13 CLF, Deduct</i>	539.16 32.81 -38.67	101.30
07 84 43 00-0022 CLF 3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 2 CLF, Add</i> <i>For &gt;10 CLF, Deduct</i>	617.22 38.67 -46.47	101.30
07 84 43 00-0023 CLF 3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 1.5 CLF, Add</i> <i>For &gt;8 CLF, Deduct</i>	695.27 44.52 -54.28	101.30
07 84 43 00-0024 CLF 3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 1.3 CLF, Add</i> <i>For &gt;7 CLF, Deduct</i>	784.22 50.92 -62.63	105.66
07 84 43 00-0025 CLF 1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 1.4 CLF, Add</i> <i>For &gt;7.5 CLF, Deduct</i>	732.18 47.02 -57.42	105.66
07 84 43 00-0026 CLF 1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 1.15 CLF, Add</i> <i>For &gt;6 CLF, Deduct</i>	847.16 55.37 -68.38	108.92
07 84 43 00-0027 CLF 1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 1 CLF, Add</i> <i>For &gt;5 CLF, Deduct</i>	951.24 63.17 -78.79	108.92
07 84 43 00-0028 CLF 1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.8 CLF, Add</i> <i>For &gt;4.5 CLF, Deduct</i>	1,066.20 71.52 -89.74	112.19
07 84 43 00-0029 CLF 1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.75 CLF, Add</i> <i>For &gt;4 CLF, Deduct</i>	1,181.17 79.87 -100.69	116.55
07 84 43 00-0030 CLF 3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.65 CLF, Add</i> <i>For &gt;3.5 CLF, Deduct</i>	1,296.13 88.22 -111.64	119.81
07 84 43 00-0031 CLF 3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.5 CLF, Add</i> <i>For &gt;2.5 CLF, Deduct</i>	1,641.05 113.28 -144.50	130.72
07 84 43 00-0032 CLF 1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.4 CLF, Add</i> <i>For &gt;2 CLF, Deduct</i>	2,100.92 146.68 -188.31	144.87
<b>07 84 43 00-0033 Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) <sup>43)</sup> (07 84</b>		
07 84 43 00-0034 CLF 1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 6 CLF, Add</i> <i>For &gt;30 CLF, Deduct</i>	347.93 18.74 -20.09	98.03
07 84 43 00-0035 CLF 1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 4 CLF, Add</i> <i>For &gt;20 CLF, Deduct</i>	374.85 20.76 -22.78	98.03
07 84 43 00-0036 CLF 1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 3 CLF, Add</i> <i>For &gt;15 CLF, Deduct</i>	412.65 23.32 -26.02	101.30
07 84 43 00-0037 CLF 3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 2.5 CLF, Add</i> <i>For &gt;13 CLF, Deduct</i>	426.11 24.33 -27.36	101.30
07 84 43 00-0038 CLF 3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 2 CLF, Add</i> <i>For &gt;10 CLF, Deduct</i>	466.49 27.36 -31.40	101.30

**07 Thermal And Moisture Protection****07 80 Fire and Smoke Protection****07 84 Firestopping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0039	CLF		3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	506.86	101.30
			<i>For Up To 1.5 CLF, Add</i>	30.39	
			<i>For &gt;8 CLF, Deduct</i>	-35.44	
07 84 43 00-0040	CLF		3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	558.13	105.66
			<i>For Up To 1.3 CLF, Add</i>	33.96	
			<i>For &gt;7 CLF, Deduct</i>	-40.02	
07 84 43 00-0041	CLF		1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	531.21	105.66
			<i>For Up To 1.4 CLF, Add</i>	31.94	
			<i>For &gt;7.5 CLF, Deduct</i>	-37.33	
07 84 43 00-0042	CLF		1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	595.94	108.92
			<i>For Up To 1.15 CLF, Add</i>	36.53	
			<i>For &gt;6 CLF, Deduct</i>	-43.26	
07 84 43 00-0043	CLF		1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	649.77	108.92
			<i>For Up To 1 CLF, Add</i>	40.56	
			<i>For &gt;5 CLF, Deduct</i>	-48.64	
07 84 43 00-0044	CLF		1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	714.50	112.19
			<i>For Up To 0.8 CLF, Add</i>	45.15	
			<i>For &gt;4.5 CLF, Deduct</i>	-54.57	
07 84 43 00-0045	CLF		1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	779.22	116.55
			<i>For Up To 0.75 CLF, Add</i>	49.73	
			<i>For &gt;4 CLF, Deduct</i>	-60.49	
07 84 43 00-0046	CLF		3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	843.94	119.81
			<i>For Up To 0.65 CLF, Add</i>	54.31	
			<i>For &gt;3.5 CLF, Deduct</i>	-66.42	
07 84 43 00-0047	CLF		3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	1,038.13	130.72
			<i>For Up To 0.5 CLF, Add</i>	68.06	
			<i>For &gt;2.5 CLF, Deduct</i>	-84.21	
07 84 43 00-0048	CLF		1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	1,297.03	144.87
			<i>For Up To 0.4 CLF, Add</i>	86.38	
			<i>For &gt;2 CLF, Deduct</i>	-107.92	

**07 84 56 Fire Safing** (07 84)**07 84 56 13 Fibrous Fire Safing** (07 84 56)

07 84 56 13-0001			<b>Thermal Barrier Wrap</b> (07 84 56 13) Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
07 84 56 13-0002	SF		1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A).....	10.24	
			<i>For Work In Restricted Working Space, Add</i>	1.34	
07 84 56 13-0003	SF		1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A).....	16.46	
			Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
			<i>For Work In Restricted Working Space, Add</i>	1.34	
07 84 56 13-0004	SF		2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A).....	17.95	
			Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
			<i>For Work In Restricted Working Space, Add</i>	1.34	
07 84 56 13-0005			<b>FireMaster Blanket Wrap Fireproofing</b> (07 84 56 13)		
07 84 56 13-0006	SF		1/2" Thermal Ceramics FireMaster Blanket Wrap.....	19.40	11.49
			<i>For Work In Restricted Working Space, Add</i>	4.62	
			<i>For &gt;500 To 5,000, Deduct</i>	-1.69	
			<i>For &gt;5,000, Deduct</i>	-3.02	
07 84 56 13-0007	SF		1" Thermal Ceramics FireMaster Blanket Wrap.....	22.72	11.49
			<i>For Work In Restricted Working Space, Add</i>	4.62	
			<i>For &gt;500 To 5,000, Deduct</i>	-2.46	
			<i>For &gt;5,000, Deduct</i>	-4.25	
07 84 56 13-0008	SF		1-1/2" Thermal Ceramics FireMaster Blanket Wrap.....	26.36	11.49
			<i>For Work In Restricted Working Space, Add</i>	4.62	
			<i>For &gt;500 To 5,000, Deduct</i>	-3.29	
			<i>For &gt;5,000, Deduct</i>	-5.60	
07 84 56 13-0009	SF		2" Thermal Ceramics FireMaster Blanket Wrap.....	30.01	11.49
			<i>For Work In Restricted Working Space, Add</i>	4.62	
			<i>For &gt;500 To 5,000, Deduct</i>	-4.13	
			<i>For &gt;5,000, Deduct</i>	-6.95	

**07 90 Joint Protection** (07)**07 91 Preformed Joint Seals** (07 90)**07 91 23 Backer Rods** (07 91)

07 91 23 00-0001			<b>Backer Rods</b> (07 91 23)		
07 91 23 00-0002	LF		1/4" Polyethylene Or Polyurethane Backer Rod.....	1.59	0.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 23 00-0003 LF 3/8" Polyethylene Or Polyurethane Backer Rod .....	1.71	0.49
07 91 23 00-0004 LF 1/2" Polyethylene Or Polyurethane Backer Rod .....	1.84	0.49
07 91 23 00-0005 LF 5/8" Polyethylene Or Polyurethane Backer Rod .....	1.98	0.49
07 91 23 00-0006 LF 3/4" Polyethylene Or Polyurethane Backer Rod .....	2.06	0.59
07 91 23 00-0007 LF 7/8" Polyethylene Or Polyurethane Backer Rod .....	2.18	0.59
07 91 23 00-0008 LF 1" Polyethylene Or Polyurethane Backer Rod .....	2.44	0.59
07 91 23 00-0009 LF 1-1/4" Polyethylene Or Polyurethane Backer Rod .....	2.71	0.68
07 91 23 00-0010 LF 1-1/2" Polyethylene Or Polyurethane Backer Rod .....	3.05	0.78
07 91 23 00-0011 LF 2" Polyethylene Or Polyurethane Backer Rod .....	3.66	0.88
07 91 23 00-0012 LF 3" Polyethylene Or Polyurethane Backer Rod .....	5.81	1.08
 <b>07 91 26 Joint Fillers (07 91)</b>		
<b>07 91 26 00-0001 Butyl Rubber Fillers (07 91 26)</b>		
07 91 26 00-0002 LF 1/4" x 1/4" Butyl Rubber Filler .....	2.32	0.59
		<i>For Custom Match Coloring, Add</i>
		0.05
07 91 26 00-0003 LF 1/2" x 1/2" Butyl Rubber Filler .....	7.05	1.67
		<i>For Custom Match Coloring, Add</i>
		0.19
07 91 26 00-0004 LF 1/2" x 3/4" Butyl Rubber Filler .....	8.64	1.77
		<i>For Custom Match Coloring, Add</i>
		0.30
07 91 26 00-0005 LF 3/4" x 3/4" Butyl Rubber Filler .....	9.53	1.86
07 91 26 00-0006 LF 1" x 1" Butyl Rubber Filler .....	13.07	3.44
 <b>07 91 26 00-0007 Closed Cell Neoprene (07 91 26)</b>		
07 91 26 00-0008 CLF 1/8" x 3" Neoprene Gasket Closed Cell, Adhesive .....	392.21	113.15
07 91 26 00-0009 CLF 1/8" x 6" Neoprene Gasket Closed Cell, Adhesive .....	635.38	163.45
07 91 26 00-0010 CLF 1/4" x 3" Neoprene Gasket Closed Cell, Adhesive .....	504.62	140.11
07 91 26 00-0011 CLF 1/4" x 6" Neoprene Gasket Closed Cell, Adhesive .....	585.95	147.07
07 91 26 00-0012 CLF 1/2" x 6" Neoprene Gasket Closed Cell, Adhesive .....	893.77	226.29
07 91 26 00-0013 CLF 1/2" x 9" Neoprene Gasket Closed Cell, Adhesive .....	1,026.96	245.11
07 91 26 00-0014 CLF 1/2" x 12" Neoprene Gasket Closed Cell, Adhesive .....	943.38	178.25
 <b>07 91 26 00-0015 Closed Cell Polyvinyl Chloride (07 91 26)</b>		
07 91 26 00-0016 CLF 1/8" x 3" Polyethylene Joint Backing, Closed Cell .....	398.31	140.11
07 91 26 00-0017 CLF 1/8" x 6" Polyethylene Joint Backing, Closed Cell .....	671.94	226.29
07 91 26 00-0018 CLF 1/4" x 3" Polyethylene Joint Backing, Closed Cell .....	520.18	193.15
07 91 26 00-0019 CLF 1/4" x 6" Polyethylene Joint Backing, Closed Cell .....	624.53	203.94
07 91 26 00-0020 CLF 1/2" x 6" Polyethylene Joint Backing, Closed Cell .....	950.98	312.77
07 91 26 00-0021 CLF 1/2" x 9" Polyethylene Joint Backing, Closed Cell .....	1,111.58	339.43
07 91 26 00-0022 CLF 1/2" x 12" Polyethylene Joint Backing, Closed Cell .....	1,469.38	406.89
 <b>07 91 26 00-0023 Silicon RTV Foam Penetration Seal (07 91 26)</b>		
07 91 26 00-0024 CLF 1/4" x 1/2" Silicon RTV Foam Seal .....	153.28	22.46
07 91 26 00-0025 CLF 1/2" x 1/2" Silicon RTV Foam Seal .....	306.55	44.80
07 91 26 00-0026 CLF 1/2" x 3/4" Silicon RTV Foam Seal .....	457.31	66.58
07 91 26 00-0027 CLF 3/4" x 3/4" Silicon RTV Foam Seal .....	652.43	89.72
07 91 26 00-0028 CLF 1/8" x 1" Silicon RTV Foam Seal .....	153.28	22.46
07 91 26 00-0029 CLF 1/8" x 3" Silicon RTV Foam Seal .....	456.91	66.38
07 91 26 00-0030 CLF 1/4" x 3" Silicon RTV Foam Seal .....	803.46	99.71
07 91 26 00-0031 CLF 1/4" x 6" Silicon RTV Foam Seal .....	1,605.17	198.73
07 91 26 00-0032 CLF 1/2" x 6" Silicon RTV Foam Seal .....	3,075.28	358.76
07 91 26 00-0033 CLF 1/2" x 9" Silicon RTV Foam Seal .....	4,685.04	560.43
07 91 26 00-0034 CLF 1/2" x 12" Silicon RTV Foam Seal .....	6,759.95	896.73
 <b>07 91 26 00-0035 Seals O-Ring Type Cord "J-Seal" (07 91 26)</b>		
07 91 26 00-0036 LF 1/4" Seals O-Ring Cord, J-Seal .....	4.18	1.28
07 91 26 00-0037 LF 1/2" Seals O-Ring Cord, J-Seal .....	4.44	1.28
07 91 26 00-0038 LF 3/4" Seals O-Ring Cord, J-Seal .....	4.67	1.38
07 91 26 00-0039 LF 1" Seals O-Ring Cord, J-Seal .....	4.93	1.47
07 91 26 00-0040 LF 1-1/4" Seals O-Ring Cord, J-Seal .....	5.28	1.57
07 91 26 00-0041 LF 1-1/2" Seals O-Ring Cord, J-Seal .....	5.54	1.57
07 91 26 00-0042 LF 1-3/4" Seals O-Ring Cord, J-Seal .....	5.88	1.67
07 91 26 00-0043 LF 2" Seals O-Ring Cord, J-Seal .....	6.08	1.67
 <b>07 91 33 Expansion Joint Seal Systems (07 91)</b>		
<b>07 91 33 00-0001 Expansion Joint Seal Systems (Wabo®) (07 91 33)</b>		
<b>07 91 33 00-0002 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) (07 91 33 00-0001)</b>		
Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.		
07 91 33 00-0003 LF 1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH) .....	89.50	6.91
07 91 33 00-0004 LF 3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH) .....	120.74	7.25

**07 Thermal And Moisture Protection****07 90 Joint Protection****07 91 Preformed Joint Seals**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0005 LF 1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH).....	153.70	7.57
07 91 33 00-0006 LF 1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH).....	190.38	7.90
07 91 33 00-0007 LF 1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH).....	247.98	8.23
07 91 33 00-0008 LF 1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH).....	285.29	8.56
07 91 33 00-0009 LF 2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH).....	331.60	8.89
<b>07 91 33 00-0010 Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)</b>		
Note: Includes preformed neoprene joint seal and lubricant adhesive.		
07 91 33 00-0011 LF 0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162).....	44.06	6.91
07 91 33 00-0012 LF 0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175).....	48.36	7.01
07 91 33 00-0013 LF 0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200).....	59.15	7.12
07 91 33 00-0014 LF 0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225).....	62.95	7.25
07 91 33 00-0015 LF 1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250).....	67.46	7.34
07 91 33 00-0016 LF 1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300).....	83.48	7.44
07 91 33 00-0017 LF 1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350).....	103.82	7.57
07 91 33 00-0018 LF 1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400).....	123.34	7.90
07 91 33 00-0019 LF 1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500).....	139.99	8.23
<b>07 91 33 00-0020 Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)</b>		
Note: Includes preformed Santoprene® joint seal and lubricant adhesive.		
07 91 33 00-0021 LF 0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100).....	36.31	6.91
07 91 33 00-0022 LF 0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225).....	48.09	7.25
07 91 33 00-0023 LF 1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250).....	59.65	7.57
07 91 33 00-0024 LF 1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300).....	63.13	7.74
07 91 33 00-0025 LF 1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400).....	70.38	7.90
07 91 33 00-0026 LF 1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500).....	102.52	8.23
07 91 33 00-0027 LF 1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600).....	142.35	8.56
<b>07 91 33 00-0028 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) (07 91 33 00-0001)</b>		
Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0029 LF 1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100).....	33.54	2.74
07 91 33 00-0030 LF 3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150).....	56.78	2.86
07 91 33 00-0031 LF 1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200).....	85.89	2.97
07 91 33 00-0032 LF 1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250).....	108.50	3.07
07 91 33 00-0033 LF 1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300).....	143.04	3.18
07 91 33 00-0034 LF 1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350).....	189.52	3.29
07 91 33 00-0035 LF 2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400).....	232.64	3.41
07 91 33 00-0036 LF 2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500).....	314.07	3.52
07 91 33 00-0037 LF 3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600).....	366.84	3.62
<b>07 91 33 00-0038 Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) (07 91 33 00-0001)</b>		
Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0039 LF 0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100).....	32.70	2.74





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0040 LF 1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150) .....	43.39	2.86
07 91 33 00-0041 LF 1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200) .....	58.47	2.97
07 91 33 00-0042 LF 1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250) .....	79.62	3.07
07 91 33 00-0043 LF 2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300) .....	90.92	3.18
07 91 33 00-0044 LF 2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350) .....	126.52	3.29
07 91 33 00-0045 LF 3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400) .....	170.27	3.41
07 91 33 00-0046 LF 3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500) .....	183.88	3.52

07 92 Joint Sealants (07 90)

**07 92 13 Elastomeric Joint Sealants (07 92)**

**07 92 13 00-0001 Silicone Sealants And Caulking (07 92 13)**

07 92 13 00-0002 CLF 1/4" x 1/4" Joint, Silicone Sealant And Caulking .....	344.85	98.03
<i>For Custom Match Coloring, Add</i>	12.18	
<i>For Up To 6 CLF, Add</i>	18.51	
<i>For &gt;30 CLF, Deduct</i>	-19.78	
<i>For 1 Part Mildew Resistant, Add</i>	17.76	
<i>For High-Modulus Non-Acid Curing, Add</i>	10.15	
07 92 13 00-0003 CLF 1/4" x 3/8" Joint, Silicone Sealant And Caulking .....	370.22	98.03
<i>For Custom Match Coloring, Add</i>	18.27	
<i>For Up To 4 CLF, Add</i>	20.41	
<i>For &gt;20 CLF, Deduct</i>	-22.32	
<i>For 1 Part Mildew Resistant, Add</i>	26.64	
<i>For High-Modulus Non-Acid Curing, Add</i>	15.22	
07 92 13 00-0004 CLF 1/4" x 1/2" Joint, Silicone Sealant And Caulking .....	406.48	101.30
<i>For Custom Match Coloring, Add</i>	24.36	
<i>For Up To 3 CLF, Add</i>	22.86	
<i>For &gt;15 CLF, Deduct</i>	-25.40	
<i>For 1 Part Mildew Resistant, Add</i>	35.52	
<i>For High-Modulus Non-Acid Curing, Add</i>	20.30	
07 92 13 00-0005 CLF 3/8" x 3/8" Joint, Silicone Sealant And Caulking .....	419.17	101.30
<i>For Custom Match Coloring, Add</i>	27.40	
<i>For Up To 2.5 CLF, Add</i>	23.81	
<i>For &gt;13 CLF, Deduct</i>	-26.67	
<i>For 1 Part Mildew Resistant, Add</i>	39.96	
<i>For High-Modulus Non-Acid Curing, Add</i>	22.84	
07 92 13 00-0006 CLF 3/8" x 1/2" Joint, Silicone Sealant And Caulking .....	457.23	101.30
<i>For Custom Match Coloring, Add</i>	36.54	
<i>For Up To 2 CLF, Add</i>	26.67	
<i>For &gt;10 CLF, Deduct</i>	-30.47	
<i>For 1 Part Mildew Resistant, Add</i>	53.28	
<i>For High-Modulus Non-Acid Curing, Add</i>	30.45	
07 92 13 00-0007 CLF 3/8" x 5/8" Joint, Silicone Sealant And Caulking .....	495.29	101.30
<i>For Custom Match Coloring, Add</i>	45.67	
<i>For Up To 1.5 CLF, Add</i>	29.52	
<i>For &gt;8 CLF, Deduct</i>	-34.28	
<i>For 1 Part Mildew Resistant, Add</i>	66.61	
<i>For High-Modulus Non-Acid Curing, Add</i>	38.06	
07 92 13 00-0008 CLF 3/8" x 3/4" Joint, Silicone Sealant And Caulking .....	544.24	105.66
<i>For Custom Match Coloring, Add</i>	54.81	
<i>For Up To 1.3 CLF, Add</i>	32.92	
<i>For &gt;7 CLF, Deduct</i>	-38.63	
<i>For 1 Part Mildew Resistant, Add</i>	79.93	
<i>For High-Modulus Non-Acid Curing, Add</i>	45.67	
07 92 13 00-0009 CLF 1/2" x 1/2" Joint, Silicone Sealant And Caulking .....	518.87	105.66
<i>For Custom Match Coloring, Add</i>	48.72	
<i>For Up To 1.4 CLF, Add</i>	31.02	
<i>For &gt;7.5 CLF, Deduct</i>	-36.09	
<i>For 1 Part Mildew Resistant, Add</i>	71.05	
<i>For High-Modulus Non-Acid Curing, Add</i>	40.60	
07 92 13 00-0010 CLF 1/2" x 5/8" Joint, Silicone Sealant And Caulking .....	580.51	108.92
<i>For Custom Match Coloring, Add</i>	60.90	
<i>For Up To 1.15 CLF, Add</i>	35.37	
<i>For &gt;6 CLF, Deduct</i>	-41.71	
<i>For 1 Part Mildew Resistant, Add</i>	88.81	
<i>For High-Modulus Non-Acid Curing, Add</i>	50.75	
07 92 13 00-0011 CLF 1/2" x 3/4" Joint, Silicone Sealant And Caulking .....	631.26	108.92
<i>For Custom Match Coloring, Add</i>	73.08	
<i>For Up To 1 CLF, Add</i>	39.18	
<i>For &gt;5 CLF, Deduct</i>	-46.79	
<i>For 1 Part Mildew Resistant, Add</i>	106.57	
<i>For High-Modulus Non-Acid Curing, Add</i>	60.90	

**07 Thermal And Moisture Protection****07 90 Joint Protection****07 92 Joint Sealants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0012	CLF		1/2" x 7/8" Joint, Silicone Sealant And Caulking .....	692.90	112.19
			<i>For Custom Match Coloring, Add</i>	85.26	
			<i>For Up To 0.8 CLF, Add</i>	43.53	
			<i>For &gt;4.5 CLF, Deduct</i>	-52.41	
			<i>For 1 Part Mildew Resistant, Add</i>	124.33	
			<i>For High-Modulus Non-Acid Curing, Add</i>	71.05	
07 92 13 00-0013	CLF		1/2" x 1" Joint, Silicone Sealant And Caulking .....	754.53	116.55
			<i>For Custom Match Coloring, Add</i>	97.43	
			<i>For Up To 0.75 CLF, Add</i>	47.88	
			<i>For &gt;4 CLF, Deduct</i>	-58.03	
			<i>For 1 Part Mildew Resistant, Add</i>	142.09	
			<i>For High-Modulus Non-Acid Curing, Add</i>	81.19	
07 92 13 00-0014	CLF		3/4" x 3/4" Joint, Silicone Sealant And Caulking .....	816.17	119.81
			<i>For Custom Match Coloring, Add</i>	109.61	
			<i>For Up To 0.65 CLF, Add</i>	52.23	
			<i>For &gt;3.5 CLF, Deduct</i>	-63.64	
			<i>For 1 Part Mildew Resistant, Add</i>	159.85	
			<i>For High-Modulus Non-Acid Curing, Add</i>	91.34	
07 92 13 00-0015	CLF		3/4" x 1" Joint, Silicone Sealant And Caulking .....	1,001.10	130.72
			<i>For Custom Match Coloring, Add</i>	146.15	
			<i>For Up To 0.5 CLF, Add</i>	65.28	
			<i>For &gt;2.5 CLF, Deduct</i>	-80.50	
			<i>For 1 Part Mildew Resistant, Add</i>	213.14	
			<i>For High-Modulus Non-Acid Curing, Add</i>	121.79	
07 92 13 00-0016	CLF		1" x 1" Joint, Silicone Sealant And Caulking .....	1,247.66	144.87
			<i>For Custom Match Coloring, Add</i>	194.87	
			<i>For Up To 0.4 CLF, Add</i>	82.68	
			<i>For &gt;2 CLF, Deduct</i>	-102.98	
			<i>For 1 Part Mildew Resistant, Add</i>	284.18	
			<i>For High-Modulus Non-Acid Curing, Add</i>	162.39	
<b>07 92 13 00-0017</b>			<b>Acrylic/Latex Sealant And Caulking</b> <small>(07 92 13)</small>		
07 92 13 00-0018	CLF		1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking .....	311.90	98.03
			<i>For Up To 6 CLF, Add</i>	16.04	
			<i>For &gt;30 CLF, Deduct</i>	-16.49	
07 92 13 00-0019	CLF		1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking .....	320.81	98.03
			<i>For Up To 4 CLF, Add</i>	16.71	
			<i>For &gt;20 CLF, Deduct</i>	-17.38	
07 92 13 00-0020	CLF		1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking .....	340.60	101.30
			<i>For Up To 3 CLF, Add</i>	17.92	
			<i>For &gt;15 CLF, Deduct</i>	-18.81	
07 92 13 00-0021	CLF		3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking .....	345.05	101.30
			<i>For Up To 2.5 CLF, Add</i>	18.25	
			<i>For &gt;13 CLF, Deduct</i>	-19.26	
07 92 13 00-0022	CLF		3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking .....	358.40	101.30
			<i>For Up To 2 CLF, Add</i>	19.26	
			<i>For &gt;10 CLF, Deduct</i>	-20.59	
07 92 13 00-0023	CLF		3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking .....	371.75	101.30
			<i>For Up To 1.5 CLF, Add</i>	20.26	
			<i>For &gt;8 CLF, Deduct</i>	-21.93	
07 92 13 00-0024	CLF		3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking .....	396.00	105.66
			<i>For Up To 1.3 CLF, Add</i>	21.80	
			<i>For &gt;7 CLF, Deduct</i>	-23.81	
07 92 13 00-0025	CLF		1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking .....	387.09	105.66
			<i>For Up To 1.4 CLF, Add</i>	21.13	
			<i>For &gt;7.5 CLF, Deduct</i>	-22.92	
07 92 13 00-0026	CLF		1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking .....	415.80	108.92
			<i>For Up To 1.15 CLF, Add</i>	23.02	
			<i>For &gt;6 CLF, Deduct</i>	-25.24	
07 92 13 00-0027	CLF		1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking .....	433.60	108.92
			<i>For Up To 1 CLF, Add</i>	24.35	
			<i>For &gt;5 CLF, Deduct</i>	-27.02	
07 92 13 00-0028	CLF		1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking .....	462.30	112.19
			<i>For Up To 0.8 CLF, Add</i>	26.23	
			<i>For &gt;4.5 CLF, Deduct</i>	-29.35	
07 92 13 00-0029	CLF		1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking .....	490.99	116.55
			<i>For Up To 0.75 CLF, Add</i>	28.11	
			<i>For &gt;4 CLF, Deduct</i>	-31.67	
07 92 13 00-0030	CLF		3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking .....	519.68	119.81
			<i>For Up To 0.65 CLF, Add</i>	29.99	
			<i>For &gt;3.5 CLF, Deduct</i>	-34.00	
07 92 13 00-0031	CLF		3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking .....	605.78	130.72
			<i>For Up To 0.5 CLF, Add</i>	35.63	
			<i>For &gt;2.5 CLF, Deduct</i>	-40.97	
07 92 13 00-0032	CLF		1" x 1" Joint, Acrylic/Latex Sealant And Caulking .....	720.57	144.87
			<i>For Up To 0.4 CLF, Add</i>	43.15	
			<i>For &gt;2 CLF, Deduct</i>	-50.27	
<b>07 92 13 00-0033</b>			<b>Polyurethane Sealant And Caulking</b> <small>(07 92 13)</small>		
			Note: 1 or 2 part, non-sag.		
07 92 13 00-0034	CLF		1/4" x 1/4" Joint, Polyurethane Sealant And Caulking .....	333.02	98.03
			<i>For Up To 6 CLF, Add</i>	17.62	
			<i>For &gt;30 CLF, Deduct</i>	-18.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0035 CLF 1/4" x 3/8" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 4 CLF, Add</i> <i>For &gt;20 CLF, Deduct</i>	352.48 19.08 -20.54	98.03
07 92 13 00-0036 CLF 1/4" x 1/2" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 3 CLF, Add</i> <i>For &gt;15 CLF, Deduct</i>	382.83 21.09 -23.03	101.30
07 92 13 00-0037 CLF 3/8" x 3/8" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 2.5 CLF, Add</i> <i>For &gt;13 CLF, Deduct</i>	392.56 21.82 -24.01	101.30
07 92 13 00-0038 CLF 3/8" x 1/2" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 2 CLF, Add</i> <i>For &gt;10 CLF, Deduct</i>	421.75 24.01 -26.93	101.30
07 92 13 00-0039 CLF 3/8" x 5/8" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 1.5 CLF, Add</i> <i>For &gt;8 CLF, Deduct</i>	450.94 26.20 -29.84	101.30
07 92 13 00-0040 CLF 3/8" x 3/4" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 1.3 CLF, Add</i> <i>For &gt;7 CLF, Deduct</i>	491.02 28.93 -33.31	105.66
07 92 13 00-0041 CLF 1/2" x 1/2" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 1.4 CLF, Add</i> <i>For &gt;7.5 CLF, Deduct</i>	471.56 27.47 -31.36	105.66
07 92 13 00-0042 CLF 1/2" x 5/8" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 1.15 CLF, Add</i> <i>For &gt;6 CLF, Deduct</i>	521.38 30.93 -35.80	108.92
07 92 13 00-0043 CLF 1/2" x 3/4" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 1 CLF, Add</i> <i>For &gt;5 CLF, Deduct</i>	560.31 33.85 -39.69	108.92
07 92 13 00-0044 CLF 1/2" x 7/8" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 0.8 CLF, Add</i> <i>For &gt;4.5 CLF, Deduct</i>	610.12 37.32 -44.13	112.19
07 92 13 00-0045 CLF 1/2" x 1" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 0.75 CLF, Add</i> <i>For &gt;4 CLF, Deduct</i>	659.93 40.78 -48.57	116.55
07 92 13 00-0046 CLF 3/4" x 3/4" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 0.65 CLF, Add</i> <i>For &gt;3.5 CLF, Deduct</i>	709.74 44.24 -53.00	119.81
07 92 13 00-0047 CLF 3/4" x 1" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 0.5 CLF, Add</i> <i>For &gt;2.5 CLF, Deduct</i>	859.19 54.64 -66.31	130.72
<b>07 92 13 00-0048 Flexible Polysulfide Sealant And Caulking, Clear</b> <small>(07 92 13)</small>		
<small>Note: 1 or 2 part, non-sag.</small>		
07 92 13 00-0049 CLF 1/4" x 1/4" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 6 CLF, Add</i> <i>For &gt;30 CLF, Deduct</i>	336.71 17.90 -18.97	98.03
07 92 13 00-0050 CLF 1/4" x 3/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 4 CLF, Add</i> <i>For &gt;20 CLF, Deduct</i>	358.04 19.50 -21.10	98.03
07 92 13 00-0051 CLF 1/4" x 1/2" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 3 CLF, Add</i> <i>For &gt;15 CLF, Deduct</i>	390.24 21.64 -23.77	101.30
07 92 13 00-0052 CLF 3/8" x 3/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 2.5 CLF, Add</i> <i>For &gt;13 CLF, Deduct</i>	400.89 22.44 -24.84	101.30
07 92 13 00-0053 CLF 3/8" x 1/2" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 2 CLF, Add</i> <i>For &gt;10 CLF, Deduct</i>	432.87 24.84 -28.04	101.30
07 92 13 00-0054 CLF 3/8" x 5/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1.5 CLF, Add</i> <i>For &gt;8 CLF, Deduct</i>	464.83 27.24 -31.23	101.30
07 92 13 00-0055 CLF 3/8" x 3/4" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1.3 CLF, Add</i> <i>For &gt;7 CLF, Deduct</i>	507.68 30.18 -34.97	105.66
07 92 13 00-0056 CLF 1/2" x 1/2" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1.4 CLF, Add</i> <i>For &gt;7.5 CLF, Deduct</i>	486.38 28.58 -32.84	105.66
07 92 13 00-0057 CLF 1/2" x 5/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1.15 CLF, Add</i> <i>For &gt;6 CLF, Deduct</i>	539.91 32.32 -37.65	108.92
07 92 13 00-0058 CLF 1/2" x 3/4" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1 CLF, Add</i> <i>For &gt;5 CLF, Deduct</i>	582.52 35.52 -41.91	108.92
07 92 13 00-0059 CLF 1/2" x 7/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 0.8 CLF, Add</i> <i>For &gt;4.5 CLF, Deduct</i>	636.05 39.26 -46.72	112.19
07 92 13 00-0060 CLF 1/2" x 1" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 0.75 CLF, Add</i> <i>For &gt;4 CLF, Deduct</i>	689.55 43.00 -51.53	116.55
07 92 13 00-0061 CLF 3/4" x 3/4" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 0.65 CLF, Add</i> <i>For &gt;3.5 CLF, Deduct</i>	743.08 46.74 -56.34	119.81
07 92 13 00-0062 CLF 3/4" x 1" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 0.5 CLF, Add</i> <i>For &gt;2.5 CLF, Deduct</i>	903.63 57.97 -70.76	130.72

**07 Thermal And Moisture Protection****07 90 Joint Protection****07 92 Joint Sealants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 92 13 00-0063 Flexible Polyurethane Security Sealant And Caulking</b> <small>(07 92 13)</small> Note: 1 or 2 part, non-sag.		
07 92 13 00-0064 CLF 1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking .....	345.76	98.03
For Up To 6 CLF, Add	18.58	
For >30 CLF, Deduct	-19.87	
07 92 13 00-0065 CLF 1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking .....	371.58	98.03
For Up To 4 CLF, Add	20.52	
For >20 CLF, Deduct	-22.45	
07 92 13 00-0066 CLF 1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking .....	408.30	101.30
For Up To 3 CLF, Add	23.00	
For >15 CLF, Deduct	-25.58	
07 92 13 00-0067 CLF 3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking .....	421.22	101.30
For Up To 2.5 CLF, Add	23.97	
For >13 CLF, Deduct	-26.87	
07 92 13 00-0068 CLF 3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking .....	459.96	101.30
For Up To 2 CLF, Add	26.87	
For >10 CLF, Deduct	-30.75	
07 92 13 00-0069 CLF 3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking .....	498.70	101.30
For Up To 1.5 CLF, Add	29.78	
For >8 CLF, Deduct	-34.62	
07 92 13 00-0070 CLF 3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking .....	548.33	105.66
For Up To 1.3 CLF, Add	33.23	
For >7 CLF, Deduct	-39.04	
07 92 13 00-0071 CLF 1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking .....	522.51	105.66
For Up To 1.4 CLF, Add	31.29	
For >7.5 CLF, Deduct	-36.46	
07 92 13 00-0072 CLF 1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking .....	585.06	108.92
For Up To 1.15 CLF, Add	35.71	
For >6 CLF, Deduct	-42.17	
07 92 13 00-0073 CLF 1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking .....	636.72	108.92
For Up To 1 CLF, Add	39.58	
For >5 CLF, Deduct	-47.33	
07 92 13 00-0074 CLF 1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking .....	699.26	112.19
For Up To 0.8 CLF, Add	44.00	
For >4.5 CLF, Deduct	-53.04	
07 92 13 00-0075 CLF 1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking .....	761.81	116.55
For Up To 0.75 CLF, Add	48.42	
For >4 CLF, Deduct	-58.75	
07 92 13 00-0076 CLF 3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking .....	824.36	119.81
For Up To 0.65 CLF, Add	52.84	
For >3.5 CLF, Deduct	-64.46	
07 92 13 00-0077 CLF 3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking .....	1,012.02	130.72
For Up To 0.5 CLF, Add	66.10	
For >2.5 CLF, Deduct	-81.60	

**07 92 19 Acoustical Joint Sealants** (07 92)

<b>07 92 19 00-0001 Acoustical Sealant</b> <small>(07 92 19)</small>		
07 92 19 00-0002 CLF 1/4" x 1/4" Joint, Acoustical Sealant.....	343.26	98.03
For Custom Match Coloring, Add	11.80	
For Up To 6 CLF, Add	18.39	
For >30 CLF, Deduct	-19.62	
For 1 Part Mildew Resistant, Add	17.21	
For High-Modulus Non-Acid Curing, Add	9.83	
07 92 19 00-0003 CLF 1/4" x 3/8" Joint, Acoustical Sealant.....	361.94	98.03
For Custom Match Coloring, Add	16.28	
For Up To 4 CLF, Add	19.79	
For >20 CLF, Deduct	-21.49	
For 1 Part Mildew Resistant, Add	23.74	
For High-Modulus Non-Acid Curing, Add	13.57	
07 92 19 00-0004 CLF 1/4" x 1/2" Joint, Acoustical Sealant.....	383.83	101.30
For Custom Match Coloring, Add	18.92	
For Up To 3 CLF, Add	21.16	
For >15 CLF, Deduct	-23.13	
For 1 Part Mildew Resistant, Add	27.59	
For High-Modulus Non-Acid Curing, Add	15.77	
07 92 19 00-0005 CLF 3/8" x 3/8" Joint, Acoustical Sealant.....	414.38	101.30
For Custom Match Coloring, Add	26.25	
For Up To 2.5 CLF, Add	23.45	
For >13 CLF, Deduct	-26.19	
For 1 Part Mildew Resistant, Add	38.29	
For High-Modulus Non-Acid Curing, Add	21.88	
07 92 19 00-0006 CLF 3/8" x 1/2" Joint, Acoustical Sealant.....	446.13	101.30
For Custom Match Coloring, Add	33.87	
For Up To 2 CLF, Add	25.84	
For >10 CLF, Deduct	-29.36	
For 1 Part Mildew Resistant, Add	49.40	
For High-Modulus Non-Acid Curing, Add	28.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 19 00-0007 CLF 1/2" x 1/2" Joint, Acoustical Sealant .....	514.76	105.66
<i>For Custom Match Coloring, Add</i>	47.73	
<i>For Up To 1.4 CLF, Add</i>	30.71	
<i>For &gt;7.5 CLF, Deduct</i>	-35.68	
<i>For 1 Part Mildew Resistant, Add</i>	69.61	
<i>For High-Modulus Non-Acid Curing, Add</i>	39.78	

**07 95 Expansion Control** (07 90)

**07 95 13 Expansion Joint Cover Assemblies** (07 95)

Note: Includes necessary waterproofing mastics/caulking.

**07 95 13 13 Interior Expansion Joint Cover Assemblies** (07 95 13)

**07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies** (07 95 13 13)

**07 95 13 13-0002 With 1" Space** (07 95 13 13-0001)

07 95 13 13-0003	LF	1" Opening Floor Assembly Type, With Aluminum Expansion Joint Cover.....	71.90	6.21
07 95 13 13-0008	LF	1" Opening Floor Assembly Type, With Bronze Expansion Joint Cover .....	73.71	6.21
07 95 13 13-0005	LF	1" Opening Floor Assembly Type, With Stainless Steel Expansion Joint Cover.....	73.48	6.21

**07 95 13 13-0006 With 2" Space** (07 95 13 13-0001)

07 95 13 13-0007	LF	2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover.....	96.94	6.21
07 95 13 13-0013	LF	2" Opening Floor Assembly Type, Bronze Expansion Joint Cover .....	90.99	6.21
07 95 13 13-0009	LF	2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover .....	99.31	6.21

**07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies** (07 95 13 13)

**07 95 13 13-0011 With 1" Space** (07 95 13 13-0010)

07 95 13 13-0012	LF	1" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover.....	52.27	6.21
07 95 13 13-0013	LF	1" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover .....	61.82	6.21
07 95 13 13-0014	LF	1" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover.....	65.97	6.21

**07 95 13 13-0015 With 2" Space** (07 95 13 13-0010)

07 95 13 13-0016	LF	2" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover.....	67.29	6.21
07 95 13 13-0017	LF	2" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover .....	70.45	6.21
07 95 13 13-0018	LF	2" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover.....	78.88	6.21

**07 95 13 16 Exterior Expansion Joint Cover Assemblies** (07 95 13)

**07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies** (07 95 13 16)

**07 95 13 16-0002 Roof To Roof** (07 95 13 16-0001)

07 95 13 16-0003	LF	1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint .....	98.99	4.14
07 95 13 16-0004	LF	2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint .....	120.06	4.14
07 95 13 16-0005	LF	3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint .....	134.58	4.14

**07 95 13 16-0006 Roof To Wall** (07 95 13 16-0001)

07 95 13 16-0007	LF	1" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint.....	72.59	4.14
07 95 13 16-0008	LF	2" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint.....	98.39	4.14

**07 95 13 16-0009 Flat Wall To Wall** (07 95 13 16-0001)

07 95 13 16-0010	LF	1" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint .....	53.35	4.14
07 95 13 16-0011	LF	2" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint .....	68.83	4.14
07 95 13 16-0012	LF	3" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint .....	87.51	4.14

**07 95 13 16-0013 Corner To Flat Wall** (07 95 13 16-0001)

07 95 13 16-0014	LF	1" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint .....	49.77	4.14
07 95 13 16-0015	LF	2" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint .....	60.09	4.14
07 95 13 16-0016	LF	3" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint .....	89.09	4.14

**END OF SECTION 07**

<b>07</b>	<b>07</b>	<b>Thermal And Moisture Protection</b>
	07 90	Joint Protection
	07 95	Expansion Control



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 08 Openings

### 08 01 Operation and Maintenance of Openings<sup>(08)</sup>

#### 08 01 10 Operation and Maintenance of Doors and Frames<sup>(08 01)</sup>

##### 08 01 11 Operation and Maintenance of Metal Doors and Frames<sup>(08 01 10)</sup>

##### 08 01 11 61 Metal Doors and Frames Repair<sup>(08 01 11)</sup>

08 01 11 61-0001	Hollow Metal Door Repair <sup>(08 01 11 61)</sup>		
	Note: Repairs are based on holes or damage of less than 1/2 of a square foot.		
08 01 11 61-0002	EA	Up To 1 Sl, Patch Small Drill Holes .....	19.88
		Note: Per hinge location - sand to bare metal, mix/patch with bondo, fine grit sand smooth for finish	
08 01 11 61-0003	EA	>1 To 6 Sl, Patch Small Drill Holes.....	39.88
		Note: Per hinge location - sand to bare metal, mix/patch with bondo, fine grit sand smooth for finish	
08 01 11 61-0004	LF	Patch Deep Scrapes Or Cuts In Doors.....	48.03

#### 08 01 50 Operation and Maintenance of Windows<sup>(08 01)</sup>

##### 08 01 52 Operation and Maintenance of Wood Windows<sup>(08 01 50)</sup>

##### 08 01 52 61 Wood Window Repairs<sup>(08 01 52)</sup>

08 01 52 61-0001	Window Restoration And Replacement <sup>(08 01 52 61)</sup>		
08 01 52 61-0002	EA	Removal And Replacement Of Sash Guides.....	11.97
08 01 52 61-0003	EA	Removal And Replacement Of Window Arms .....	33.21
08 01 52 61-0004	EA	Removal And Replacement Of Window Crank Operator .....	40.14
08 01 52 61-0005	EA	Removal And Replacement Of Brass Window Sash Pull .....	23.01
08 01 52 61-0006	EA	Removal And Replacement Of Brass Window Sash Lock.....	21.00
08 01 52 61-0007	EA	Removal And Replacement Of Window Balance, Removable Sash Window.....	27.20
		Note: Channel, spiral or coil balance.	
08 01 52 61-0008	EA	Removal And Replacement Of Window Balance, Sash Window, Wooden Stops And/Or Casing.....	81.68
		Note: Channel, spiral or coil balance.	
		For Replacing Two Balances In One Window, Deduct	-30.08

#### 08 01 70 Operation and Maintenance of Hardware<sup>(08 01)</sup>

##### 08 01 71 Operation and Maintenance of Door Hardware<sup>(08 01 70)</sup>

##### 08 01 71 81 Door Hardware Replacement<sup>(08 01 71)</sup>

08 01 71 81-0001	Replacement Keys For Locks <sup>(08 01 71 81)</sup>		
08 01 71 81-0002	EA	LL803 Replacement Keys.....	8.73
08 01 71 81-0003	EA	Cat45 Replacement Keys .....	9.43

#### 08 01 80 Maintenance of Glazing<sup>(08 01)</sup>

##### 08 01 81 Maintenance of Glass Glazing<sup>(08 01 80)</sup>

08 01 81 00-0001	Glazing Compound Repair <sup>(08 01 81)</sup>		
08 01 81 00-0002	LF	Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing .....	5.24

## 08 05 Common Work Results for Openings<sup>(08)</sup>

### 08 05 13 Door Options and Modifications<sup>(08 05)</sup>

Note: Excludes removal and reinstallation of door.

#### 08 05 13 00-0001 Door Vision Panels (Pemko LT-S1)<sup>(08 05 13)</sup>

Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.

08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	141.23
		For 9/16" To 1-1/16" Glazing Pocket, Add	70.62
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	178.77
		For 9/16" To 1-1/16" Glazing Pocket, Add	89.39
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	207.37
		For 9/16" To 1-1/16" Glazing Pocket, Add	103.69
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	264.58
		For 9/16" To 1-1/16" Glazing Pocket, Add	132.29
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	343.24
		For 9/16" To 1-1/16" Glazing Pocket, Add	171.62

**08 Openings****08 05 Common Work Results for Openings****08 05 13 Door Options and Modifications**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	437.98
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	218.99
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	464.80
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	232.40
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	237.36
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	64.20
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	282.39
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	81.26
08 05 13 00-0011	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	319.29
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	94.26
08 05 13 00-0012	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	382.20
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	120.27
08 05 13 00-0013	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	464.60
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	156.02
08 05 13 00-0014	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	561.63
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	199.09
08 05 13 00-0015	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	596.91
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	211.28
<b>08 05 13 00-0016</b>		<b>Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY)</b> <small>(08 05 13)</small>	
		Note: Factory primed or powder coated.	
08 05 13 00-0017	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	134.66
08 05 13 00-0018	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	152.98
08 05 13 00-0019	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	207.92
08 05 13 00-0020	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	387.72
08 05 13 00-0021	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	479.47
08 05 13 00-0022	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	572.71
08 05 13 00-0023	EA	For >10 To 14 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	747.34
08 05 13 00-0024	EA	For >14 To 18 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	879.72
		<i>For 18 Gauge Louver And 18 Gauge Frame, Add</i>	105.57
08 05 13 00-0025	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	216.39
08 05 13 00-0026	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	242.88
08 05 13 00-0027	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	305.99
08 05 13 00-0028	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	493.97
08 05 13 00-0029	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	593.89
08 05 13 00-0030	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	695.30
08 05 13 00-0031	EA	For >10 To 14 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	878.11
08 05 13 00-0032	EA	For >14 To 18 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	1,015.94
		<i>For 18 Gauge Louver And 18 Gauge Frame, Add</i>	105.57
<b>08 05 13 00-0033</b>		<b>Fire Rated Fusible Link Louvers (Pemko LV-FL)</b> <small>(08 05 13)</small>	
		Note: Factory primed or powder coated.	
08 05 13 00-0034	EA	For Up To 1 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	272.70
08 05 13 00-0035	EA	For >1 To 2 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	312.05
08 05 13 00-0036	EA	For >2 To 4 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	366.54
08 05 13 00-0037	EA	For Up To 1 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	370.77
08 05 13 00-0038	EA	For >1 To 2 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	421.02
08 05 13 00-0039	EA	For >2 To 4 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	484.23
<b>08 05 13 00-0040</b>		<b>Door Hardware Preparation</b> <small>(08 05 13)</small>	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0041 EA Factory Prepare Wood Door (Rated Or Non-Rated) For Mortise Lockset Hardware.....	81.69	
08 05 13 00-0042 EA Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware..... Note: Requires door to be taken off site for UL certification.	201.51	
08 05 13 00-0043 EA Prepare Existing Wood Door (Non-Rated) For Mortise Lockset Hardware.....	92.58	
08 05 13 00-0044 EA Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware..... Note: Requires door to be taken off site for UL certification.	163.39	
08 05 13 00-0045 EA Prepare Existing Wood Door (Non-Rated) For Cylindrical Lockset Hardware .....	27.23	
08 05 13 00-0046 EA Prepare Existing Wood Door (Rated) For Concealed Vertical Rod..... Note: Requires door to be taken off site for UL certification.	299.58	
08 05 13 00-0047 EA Prepare Existing Wood Door (Non-Rated) For Concealed Vertical Rod.....	190.61	
08 05 13 00-0048 EA Prepare Existing Wood Door (Rated) For Electric Hardware..... Note: Requires door to be taken off site for UL certification.	201.51	
08 05 13 00-0049 EA Prepare Existing Door (Non-Rated) For Electric Hardware .....	92.58	
<b>08 05 13 00-0050 Door Modifications (08 05 13)</b>		
08 05 13 00-0051 EA Removal And Reinstallation Of Door .....	92.62	
08 05 13 00-0052 EA Removal And Reinstallation Of Metal Door Frame .....	181.62	
08 05 13 00-0053 EA Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile .....	98.07	
08 05 13 00-0054 EA Modify Metal Door Frame For Door Swing..... Note: Excludes removal and reinstallation of door.	1,256.03	
08 05 13 00-0055 EA Factory Installed Sound Proofing (STC 28) In Metal Door.....	164.83	
08 05 13 00-0056 SF For 16 Gauge Steel Metal Plate Bolted On Door..... Note: Includes mounting hardware.	30.44	
08 05 13 00-0057 EA Removal And Reinstallation Of Wood Door Frame.....	109.75	
08 05 13 00-0058 EA Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile .....	49.39	
08 05 13 00-0059 EA Factory Trim Wood Door Edge For Custom Width .....	71.34	

## 08 10 Doors and Frames (08)

### 08 11 Metal Doors and Frames (08 10)

#### 08 11 63 Metal Screen and Storm Doors and Frames (08 11)

##### 08 11 63 13 Steel Screen and Storm Doors and Frames (08 11 63)

##### 08 11 63 13-0001 Steel Screen Door (08 11 63 13)

Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).		
08 11 63 13-0002 EA 2'-8" x 7', Residential, Steel Screen Door With Frame, Trim, Hardware .....	1,089.66	149.84
08 11 63 13-0003 EA 3' x 7" Steel Screen Door, Residential, With Frame, Trim, Hardware.....	1,100.60	155.29
08 11 63 13-0004 EA Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware .....	1,196.85	155.29

##### 08 11 63 23 Aluminum Screen and Storm Doors and Frames (08 11 63)

##### 08 11 63 23-0001 Aluminum Combination Type With Tempered Glass At Top And Bottom (08 11 63 23)

Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).		
08 11 63 23-0002 EA Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware .....	1,035.28	87.18
08 11 63 23-0003 EA Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware .....	1,090.41	87.18
08 11 63 23-0004 EA Aluminum Screen Door.....	300.25	54.46
08 11 63 23-0005 SF Repair Screen Door .....	8.96	

##### 08 11 73 Sliding Metal Fire Doors (08 11)

##### 08 11 73 00-0001 Motor Operated Fire Door (08 11 73)

Note: With fusible link, 3 hour rating. Excludes electrical hook-up of motor.		
08 11 73 00-0002 EA 3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	4,794.18	517.37
08 11 73 00-0003 EA 3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	5,194.72	517.37
08 11 73 00-0004 EA 4' x 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating .....	5,872.56	517.37
08 11 73 00-0005 EA 5' x 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating .....	6,601.59	517.37

## 08 12 Metal Frames (08 10)

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

### 08 12 13 Hollow Metal Frames (08 12)

#### 08 12 13 13 Standard Hollow Metal Frames (08 12 13)

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

08 12 13 13-0001 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)		
Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0002 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0001)		

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0003	EA		2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	322.15	81.73
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	23.80	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	19.04	
			<i>For Type 304 Stainless Steel Frame, Add</i>	293.82	
			<i>For Type 316 Stainless Steel Frame, Add</i>	341.42	
			<i>For Baked Enamel Finish, Add</i>	72.13	
			<i>For 18 Gauge Frame, Deduct</i>	-15.87	
			<i>For 14 Gauge Frame, Add</i>	39.67	
			<i>For 12 Gauge Frame, Add</i>	60.30	
08 12 13 13-0004	EA		2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	368.73	89.90
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.34	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	22.67	
			<i>For Type 304 Stainless Steel Frame, Add</i>	349.05	
			<i>For Type 316 Stainless Steel Frame, Add</i>	405.72	
			<i>For Baked Enamel Finish, Add</i>	83.65	
			<i>For 18 Gauge Frame, Deduct</i>	-18.89	
			<i>For 14 Gauge Frame, Add</i>	47.23	
			<i>For 12 Gauge Frame, Add</i>	71.79	
08 12 13 13-0005	EA		2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	382.66	95.35
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.79	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	23.03	
			<i>For Type 304 Stainless Steel Frame, Add</i>	355.05	
			<i>For Type 316 Stainless Steel Frame, Add</i>	412.63	
			<i>For Baked Enamel Finish, Add</i>	86.19	
			<i>For 18 Gauge Frame, Deduct</i>	-19.20	
			<i>For 14 Gauge Frame, Add</i>	47.99	
			<i>For 12 Gauge Frame, Add</i>	72.94	
08 12 13 13-0006	EA		2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	399.00	103.52
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.79	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	23.03	
			<i>For Type 304 Stainless Steel Frame, Add</i>	355.86	
			<i>For Type 316 Stainless Steel Frame, Add</i>	413.45	
			<i>For Baked Enamel Finish, Add</i>	88.64	
			<i>For 18 Gauge Frame, Deduct</i>	-19.20	
			<i>For 14 Gauge Frame, Add</i>	47.99	
			<i>For 12 Gauge Frame, Add</i>	72.94	
08 12 13 13-0007	EA		2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	407.47	106.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	29.25	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	23.40	
			<i>For Type 304 Stainless Steel Frame, Add</i>	361.57	
			<i>For Type 316 Stainless Steel Frame, Add</i>	420.06	
			<i>For Baked Enamel Finish, Add</i>	90.37	
			<i>For 18 Gauge Frame, Deduct</i>	-19.50	
			<i>For 14 Gauge Frame, Add</i>	48.74	
			<i>For 12 Gauge Frame, Add</i>	74.09	
08 12 13 13-0008	EA		3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	415.94	108.97
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	29.70	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	23.76	
			<i>For Type 304 Stainless Steel Frame, Add</i>	367.28	
			<i>For Type 316 Stainless Steel Frame, Add</i>	426.68	
			<i>For Baked Enamel Finish, Add</i>	92.09	
			<i>For 18 Gauge Frame, Deduct</i>	-19.80	
			<i>For 14 Gauge Frame, Add</i>	49.50	
			<i>For 12 Gauge Frame, Add</i>	75.24	
08 12 13 13-0009	EA		3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	440.43	114.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.74	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	25.39	
			<i>For Type 304 Stainless Steel Frame, Add</i>	392.30	
			<i>For Type 316 Stainless Steel Frame, Add</i>	455.78	
			<i>For Baked Enamel Finish, Add</i>	97.80	
			<i>For 18 Gauge Frame, Deduct</i>	-21.16	
			<i>For 14 Gauge Frame, Add</i>	52.90	
			<i>For 12 Gauge Frame, Add</i>	80.40	
08 12 13 13-0010	EA		3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	451.33	119.87
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.74	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	25.39	
			<i>For Type 304 Stainless Steel Frame, Add</i>	392.85	
			<i>For Type 316 Stainless Steel Frame, Add</i>	456.33	
			<i>For Baked Enamel Finish, Add</i>	99.44	
			<i>For 18 Gauge Frame, Deduct</i>	-21.16	
			<i>For 14 Gauge Frame, Add</i>	52.90	
			<i>For 12 Gauge Frame, Add</i>	80.40	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0011 EA 4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	469.79	125.32
For Auxiliary Frame Reinforcement For Hinges, Add	32.87	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	26.30	
For Type 304 Stainless Steel Frame, Add	407.00	
For Type 316 Stainless Steel Frame, Add	472.75	
For Baked Enamel Finish, Add	103.34	
For 18 Gauge Frame, Deduct	-21.92	
For 14 Gauge Frame, Add	54.79	
For 12 Gauge Frame, Add	83.28	
08 12 13 13-0012 EA 5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	488.25	130.77
For Auxiliary Frame Reinforcement For Hinges, Add	34.01	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	27.21	
For Type 304 Stainless Steel Frame, Add	421.16	
For Type 316 Stainless Steel Frame, Add	489.17	
For Baked Enamel Finish, Add	107.24	
For 18 Gauge Frame, Deduct	-22.67	
For 14 Gauge Frame, Add	56.68	
For 12 Gauge Frame, Add	86.15	
08 12 13 13-0013 EA 5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	499.14	136.22
For Auxiliary Frame Reinforcement For Hinges, Add	34.01	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	27.21	
For Type 304 Stainless Steel Frame, Add	421.70	
For Type 316 Stainless Steel Frame, Add	489.71	
For Baked Enamel Finish, Add	108.88	
For 18 Gauge Frame, Deduct	-22.67	
For 14 Gauge Frame, Add	56.68	
For 12 Gauge Frame, Add	86.15	
08 12 13 13-0014 EA 5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	508.37	138.94
For Auxiliary Frame Reinforcement For Hinges, Add	34.57	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	27.66	
For Type 304 Stainless Steel Frame, Add	428.78	
For Type 316 Stainless Steel Frame, Add	497.92	
For Baked Enamel Finish, Add	110.83	
For 18 Gauge Frame, Deduct	-23.05	
For 14 Gauge Frame, Add	57.62	
For 12 Gauge Frame, Add	87.59	
08 12 13 13-0015 EA 6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	517.59	141.67
For Auxiliary Frame Reinforcement For Hinges, Add	35.14	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	28.11	
For Type 304 Stainless Steel Frame, Add	435.83	
For Type 316 Stainless Steel Frame, Add	506.11	
For Baked Enamel Finish, Add	112.78	
For 18 Gauge Frame, Deduct	-23.43	
For 14 Gauge Frame, Add	58.57	
For 12 Gauge Frame, Add	89.02	
08 12 13 13-0016 EA 7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	538.16	144.39
For Auxiliary Frame Reinforcement For Hinges, Add	37.41	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	29.93	
For Type 304 Stainless Steel Frame, Add	463.32	
For Type 316 Stainless Steel Frame, Add	538.14	
For Baked Enamel Finish, Add	118.13	
For 18 Gauge Frame, Deduct	-24.94	
For 14 Gauge Frame, Add	62.35	
For 12 Gauge Frame, Add	94.76	
08 12 13 13-0017 EA 8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	558.72	147.12
For Auxiliary Frame Reinforcement For Hinges, Add	39.67	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	31.74	
For Type 304 Stainless Steel Frame, Add	490.79	
For Type 316 Stainless Steel Frame, Add	570.14	
For Baked Enamel Finish, Add	123.48	
For 18 Gauge Frame, Deduct	-26.45	
For 14 Gauge Frame, Add	66.12	
For 12 Gauge Frame, Add	100.51	
<b>08 12 13 13-0018 &gt;7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13-0001)</small>		
08 12 13 13-0019 EA 2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	339.79	81.73
For Auxiliary Frame Reinforcement For Hinges, Add	26.45	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	21.16	
For Type 304 Stainless Steel Frame, Add	325.57	
For Type 316 Stainless Steel Frame, Add	378.47	
For Baked Enamel Finish, Add	77.42	
For 18 Gauge Frame, Deduct	-17.63	
For 14 Gauge Frame, Add	44.08	
For 12 Gauge Frame, Add	67.01	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0020	EA		2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	389.72	89.90
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.49	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	25.19	
			<i>For Type 304 Stainless Steel Frame, Add</i>	386.83	
			<i>For Type 316 Stainless Steel Frame, Add</i>	449.80	
			<i>For Baked Enamel Finish, Add</i>	89.94	
			<i>For 18 Gauge Frame, Deduct</i>	-20.99	
			<i>For 14 Gauge Frame, Add</i>	52.48	
			<i>For 12 Gauge Frame, Add</i>	79.77	
08 12 13 13-0021	EA		2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	403.98	95.35
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.99	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	25.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	393.42	
			<i>For Type 316 Stainless Steel Frame, Add</i>	457.40	
			<i>For Baked Enamel Finish, Add</i>	92.59	
			<i>For 18 Gauge Frame, Deduct</i>	-21.33	
			<i>For 14 Gauge Frame, Add</i>	53.32	
			<i>For 12 Gauge Frame, Add</i>	81.04	
08 12 13 13-0022	EA		2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	420.32	103.52
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.99	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	25.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	394.24	
			<i>For Type 316 Stainless Steel Frame, Add</i>	458.22	
			<i>For Baked Enamel Finish, Add</i>	95.04	
			<i>For 18 Gauge Frame, Deduct</i>	-21.33	
			<i>For 14 Gauge Frame, Add</i>	53.32	
			<i>For 12 Gauge Frame, Add</i>	81.04	
08 12 13 13-0023	EA		2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	429.13	106.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	32.49	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	26.00	
			<i>For Type 304 Stainless Steel Frame, Add</i>	400.56	
			<i>For Type 316 Stainless Steel Frame, Add</i>	465.55	
			<i>For Baked Enamel Finish, Add</i>	96.86	
			<i>For 18 Gauge Frame, Deduct</i>	-21.66	
			<i>For 14 Gauge Frame, Add</i>	54.16	
			<i>For 12 Gauge Frame, Add</i>	82.32	
08 12 13 13-0024	EA		3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	437.94	108.97
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.00	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	26.40	
			<i>For Type 304 Stainless Steel Frame, Add</i>	406.88	
			<i>For Type 316 Stainless Steel Frame, Add</i>	472.88	
			<i>For Baked Enamel Finish, Add</i>	98.69	
			<i>For 18 Gauge Frame, Deduct</i>	-22.00	
			<i>For 14 Gauge Frame, Add</i>	55.00	
			<i>For 12 Gauge Frame, Add</i>	83.60	
08 12 13 13-0025	EA		3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	463.94	114.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.27	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.21	
			<i>For Type 304 Stainless Steel Frame, Add</i>	434.62	
			<i>For Type 316 Stainless Steel Frame, Add</i>	505.15	
			<i>For Baked Enamel Finish, Add</i>	104.86	
			<i>For 18 Gauge Frame, Deduct</i>	-23.51	
			<i>For 14 Gauge Frame, Add</i>	58.78	
			<i>For 12 Gauge Frame, Add</i>	89.34	
08 12 13 13-0026	EA		3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	474.84	119.87
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.27	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.21	
			<i>For Type 304 Stainless Steel Frame, Add</i>	435.17	
			<i>For Type 316 Stainless Steel Frame, Add</i>	505.70	
			<i>For Baked Enamel Finish, Add</i>	106.49	
			<i>For 18 Gauge Frame, Deduct</i>	-23.51	
			<i>For 14 Gauge Frame, Add</i>	58.78	
			<i>For 12 Gauge Frame, Add</i>	89.34	
08 12 13 13-0027	EA		4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	494.14	125.32
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.53	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	29.22	
			<i>For Type 304 Stainless Steel Frame, Add</i>	450.83	
			<i>For Type 316 Stainless Steel Frame, Add</i>	523.88	
			<i>For Baked Enamel Finish, Add</i>	110.65	
			<i>For 18 Gauge Frame, Deduct</i>	-24.35	
			<i>For 14 Gauge Frame, Add</i>	60.88	
			<i>For 12 Gauge Frame, Add</i>	92.53	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0028	EA		5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	513.44	130.77
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.79	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	30.23	
			<i>For Type 304 Stainless Steel Frame, Add</i>	466.50	
			<i>For Type 316 Stainless Steel Frame, Add</i>	542.07	
			<i>For Baked Enamel Finish, Add</i>	114.80	
			<i>For 18 Gauge Frame, Deduct</i>	-25.19	
			<i>For 14 Gauge Frame, Add</i>	62.98	
			<i>For 12 Gauge Frame, Add</i>	95.72	
08 12 13 13-0029	EA		5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	524.33	136.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.79	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	30.23	
			<i>For Type 304 Stainless Steel Frame, Add</i>	467.04	
			<i>For Type 316 Stainless Steel Frame, Add</i>	542.61	
			<i>For Baked Enamel Finish, Add</i>	116.43	
			<i>For 18 Gauge Frame, Deduct</i>	-25.19	
			<i>For 14 Gauge Frame, Add</i>	62.98	
			<i>For 12 Gauge Frame, Add</i>	95.72	
08 12 13 13-0030	EA		5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	533.97	138.94
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	38.41	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	30.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	474.86	
			<i>For Type 316 Stainless Steel Frame, Add</i>	551.68	
			<i>For Baked Enamel Finish, Add</i>	118.51	
			<i>For 18 Gauge Frame, Deduct</i>	-25.61	
			<i>For 14 Gauge Frame, Add</i>	64.02	
			<i>For 12 Gauge Frame, Add</i>	97.31	
08 12 13 13-0031	EA		6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	543.62	141.67
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.04	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	31.23	
			<i>For Type 304 Stainless Steel Frame, Add</i>	482.69	
			<i>For Type 316 Stainless Steel Frame, Add</i>	560.78	
			<i>For Baked Enamel Finish, Add</i>	120.59	
			<i>For 18 Gauge Frame, Deduct</i>	-26.03	
			<i>For 14 Gauge Frame, Add</i>	65.07	
			<i>For 12 Gauge Frame, Add</i>	98.91	
08 12 13 13-0032	EA		7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	565.87	144.39
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.56	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	33.25	
			<i>For Type 304 Stainless Steel Frame, Add</i>	513.20	
			<i>For Type 316 Stainless Steel Frame, Add</i>	596.33	
			<i>For Baked Enamel Finish, Add</i>	126.44	
			<i>For 18 Gauge Frame, Deduct</i>	-27.71	
			<i>For 14 Gauge Frame, Add</i>	69.27	
			<i>For 12 Gauge Frame, Add</i>	105.29	
08 12 13 13-0033	EA		8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	588.11	147.12
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	44.08	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	35.27	
			<i>For Type 304 Stainless Steel Frame, Add</i>	543.70	
			<i>For Type 316 Stainless Steel Frame, Add</i>	631.86	
			<i>For Baked Enamel Finish, Add</i>	132.30	
			<i>For 18 Gauge Frame, Deduct</i>	-29.39	
			<i>For 14 Gauge Frame, Add</i>	73.47	
			<i>For 12 Gauge Frame, Add</i>	111.67	
08 12 13 13-0034			5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13)</small>		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0035			6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0034)</small>		
08 12 13 13-0036	EA		2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	339.79	81.73
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	26.45	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	21.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	325.57	
			<i>For Type 316 Stainless Steel Frame, Add</i>	378.47	
			<i>For Baked Enamel Finish, Add</i>	77.42	
			<i>For 18 Gauge Frame, Deduct</i>	-17.63	
			<i>For 14 Gauge Frame, Add</i>	44.08	
			<i>For 12 Gauge Frame, Add</i>	67.01	
08 12 13 13-0037	EA		2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	389.72	89.90
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.49	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	25.19	
			<i>For Type 304 Stainless Steel Frame, Add</i>	386.83	
			<i>For Type 316 Stainless Steel Frame, Add</i>	449.80	
			<i>For Baked Enamel Finish, Add</i>	89.94	
			<i>For 18 Gauge Frame, Deduct</i>	-20.99	
			<i>For 14 Gauge Frame, Add</i>	52.48	
			<i>For 12 Gauge Frame, Add</i>	79.77	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0038	EA		2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	403.98	95.35
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.99	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	25.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	393.42	
			<i>For Type 316 Stainless Steel Frame, Add</i>	457.40	
			<i>For Baked Enamel Finish, Add</i>	92.59	
			<i>For 18 Gauge Frame, Deduct</i>	-21.33	
			<i>For 14 Gauge Frame, Add</i>	53.32	
			<i>For 12 Gauge Frame, Add</i>	81.04	
08 12 13 13-0039	EA		2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	420.32	103.52
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.99	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	25.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	394.24	
			<i>For Type 316 Stainless Steel Frame, Add</i>	458.22	
			<i>For Baked Enamel Finish, Add</i>	95.04	
			<i>For 18 Gauge Frame, Deduct</i>	-21.33	
			<i>For 14 Gauge Frame, Add</i>	53.32	
			<i>For 12 Gauge Frame, Add</i>	81.04	
08 12 13 13-0040	EA		2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	429.13	106.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	32.49	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	26.00	
			<i>For Type 304 Stainless Steel Frame, Add</i>	400.56	
			<i>For Type 316 Stainless Steel Frame, Add</i>	465.55	
			<i>For Baked Enamel Finish, Add</i>	96.86	
			<i>For 18 Gauge Frame, Deduct</i>	-21.66	
			<i>For 14 Gauge Frame, Add</i>	54.16	
			<i>For 12 Gauge Frame, Add</i>	82.32	
08 12 13 13-0041	EA		3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	437.94	108.97
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.00	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	26.40	
			<i>For Type 304 Stainless Steel Frame, Add</i>	406.88	
			<i>For Type 316 Stainless Steel Frame, Add</i>	472.88	
			<i>For Baked Enamel Finish, Add</i>	98.69	
			<i>For 18 Gauge Frame, Deduct</i>	-22.00	
			<i>For 14 Gauge Frame, Add</i>	55.00	
			<i>For 12 Gauge Frame, Add</i>	83.60	
08 12 13 13-0042	EA		3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	463.94	114.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.27	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.21	
			<i>For Type 304 Stainless Steel Frame, Add</i>	434.62	
			<i>For Type 316 Stainless Steel Frame, Add</i>	505.15	
			<i>For Baked Enamel Finish, Add</i>	104.86	
			<i>For 18 Gauge Frame, Deduct</i>	-23.51	
			<i>For 14 Gauge Frame, Add</i>	58.78	
			<i>For 12 Gauge Frame, Add</i>	89.34	
08 12 13 13-0043	EA		3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	474.84	119.87
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.27	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.21	
			<i>For Type 304 Stainless Steel Frame, Add</i>	435.17	
			<i>For Type 316 Stainless Steel Frame, Add</i>	505.70	
			<i>For Baked Enamel Finish, Add</i>	106.49	
			<i>For 18 Gauge Frame, Deduct</i>	-23.51	
			<i>For 14 Gauge Frame, Add</i>	58.78	
			<i>For 12 Gauge Frame, Add</i>	89.34	
08 12 13 13-0044	EA		4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	494.14	125.32
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.53	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	29.22	
			<i>For Type 304 Stainless Steel Frame, Add</i>	450.83	
			<i>For Type 316 Stainless Steel Frame, Add</i>	523.88	
			<i>For Baked Enamel Finish, Add</i>	110.65	
			<i>For 18 Gauge Frame, Deduct</i>	-24.35	
			<i>For 14 Gauge Frame, Add</i>	60.88	
			<i>For 12 Gauge Frame, Add</i>	92.53	
08 12 13 13-0045	EA		5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	513.44	130.77
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.79	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	30.23	
			<i>For Type 304 Stainless Steel Frame, Add</i>	466.50	
			<i>For Type 316 Stainless Steel Frame, Add</i>	542.07	
			<i>For Baked Enamel Finish, Add</i>	114.80	
			<i>For 18 Gauge Frame, Deduct</i>	-25.19	
			<i>For 14 Gauge Frame, Add</i>	62.98	
			<i>For 12 Gauge Frame, Add</i>	95.72	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0046 EA 5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	524.33	136.22
For Auxiliary Frame Reinforcement For Hinges, Add	37.79	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	30.23	
For Type 304 Stainless Steel Frame, Add	467.04	
For Type 316 Stainless Steel Frame, Add	542.61	
For Baked Enamel Finish, Add	116.43	
For 18 Gauge Frame, Deduct	-25.19	
For 14 Gauge Frame, Add	62.98	
For 12 Gauge Frame, Add	95.72	
08 12 13 13-0047 EA 5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	533.97	138.94
For Auxiliary Frame Reinforcement For Hinges, Add	38.41	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	30.73	
For Type 304 Stainless Steel Frame, Add	474.86	
For Type 316 Stainless Steel Frame, Add	551.68	
For Baked Enamel Finish, Add	118.51	
For 18 Gauge Frame, Deduct	-25.61	
For 14 Gauge Frame, Add	64.02	
For 12 Gauge Frame, Add	97.31	
08 12 13 13-0048 EA 6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	543.62	141.67
For Auxiliary Frame Reinforcement For Hinges, Add	39.04	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	31.23	
For Type 304 Stainless Steel Frame, Add	482.69	
For Type 316 Stainless Steel Frame, Add	560.78	
For Baked Enamel Finish, Add	120.59	
For 18 Gauge Frame, Deduct	-26.03	
For 14 Gauge Frame, Add	65.07	
For 12 Gauge Frame, Add	98.91	
08 12 13 13-0049 EA 7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	565.87	144.39
For Auxiliary Frame Reinforcement For Hinges, Add	41.56	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	33.25	
For Type 304 Stainless Steel Frame, Add	513.20	
For Type 316 Stainless Steel Frame, Add	596.33	
For Baked Enamel Finish, Add	126.44	
For 18 Gauge Frame, Deduct	-27.71	
For 14 Gauge Frame, Add	69.27	
For 12 Gauge Frame, Add	105.29	
08 12 13 13-0050 EA 8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	588.11	147.12
For Auxiliary Frame Reinforcement For Hinges, Add	44.08	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	35.27	
For Type 304 Stainless Steel Frame, Add	543.70	
For Type 316 Stainless Steel Frame, Add	631.86	
For Baked Enamel Finish, Add	132.30	
For 18 Gauge Frame, Deduct	-29.39	
For 14 Gauge Frame, Add	73.47	
For 12 Gauge Frame, Add	111.67	
<b>08 12 13 13-0051 &gt;7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0034)</b>		
08 12 13 13-0052 EA 2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	359.38	81.73
For Auxiliary Frame Reinforcement For Hinges, Add	29.39	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	23.51	
For Type 304 Stainless Steel Frame, Add	360.83	
For Type 316 Stainless Steel Frame, Add	419.61	
For Baked Enamel Finish, Add	83.30	
For 18 Gauge Frame, Deduct	-19.59	
For 14 Gauge Frame, Add	48.98	
For 12 Gauge Frame, Add	74.45	
08 12 13 13-0053 EA 2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	413.05	89.90
For Auxiliary Frame Reinforcement For Hinges, Add	34.99	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	27.99	
For Type 304 Stainless Steel Frame, Add	428.82	
For Type 316 Stainless Steel Frame, Add	498.79	
For Baked Enamel Finish, Add	96.94	
For 18 Gauge Frame, Deduct	-23.32	
For 14 Gauge Frame, Add	58.31	
For 12 Gauge Frame, Add	88.63	
08 12 13 13-0054 EA 2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	427.68	95.35
For Auxiliary Frame Reinforcement For Hinges, Add	35.55	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	28.44	
For Type 304 Stainless Steel Frame, Add	436.08	
For Type 316 Stainless Steel Frame, Add	507.17	
For Baked Enamel Finish, Add	99.70	
For 18 Gauge Frame, Deduct	-23.70	
For 14 Gauge Frame, Add	59.24	
For 12 Gauge Frame, Add	90.05	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0055	EA		2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	444.02	103.52
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.55	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.44	
			<i>For Type 304 Stainless Steel Frame, Add</i>	436.90	
			<i>For Type 316 Stainless Steel Frame, Add</i>	507.99	
			<i>For Baked Enamel Finish, Add</i>	102.15	
			<i>For 18 Gauge Frame, Deduct</i>	-23.70	
			<i>For 14 Gauge Frame, Add</i>	59.24	
			<i>For 12 Gauge Frame, Add</i>	90.05	
08 12 13 13-0056	EA		2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	453.20	106.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.11	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.88	
			<i>For Type 304 Stainless Steel Frame, Add</i>	443.89	
			<i>For Type 316 Stainless Steel Frame, Add</i>	516.10	
			<i>For Baked Enamel Finish, Add</i>	104.09	
			<i>For 18 Gauge Frame, Deduct</i>	-24.07	
			<i>For 14 Gauge Frame, Add</i>	60.18	
			<i>For 12 Gauge Frame, Add</i>	91.47	
08 12 13 13-0057	EA		3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	462.38	108.97
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.66	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	29.33	
			<i>For Type 304 Stainless Steel Frame, Add</i>	450.87	
			<i>For Type 316 Stainless Steel Frame, Add</i>	524.20	
			<i>For Baked Enamel Finish, Add</i>	106.02	
			<i>For 18 Gauge Frame, Deduct</i>	-24.44	
			<i>For 14 Gauge Frame, Add</i>	61.11	
			<i>For 12 Gauge Frame, Add</i>	92.88	
08 12 13 13-0058	EA		3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	490.07	114.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.18	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	31.35	
			<i>For Type 304 Stainless Steel Frame, Add</i>	481.66	
			<i>For Type 316 Stainless Steel Frame, Add</i>	560.03	
			<i>For Baked Enamel Finish, Add</i>	112.70	
			<i>For 18 Gauge Frame, Deduct</i>	-26.12	
			<i>For 14 Gauge Frame, Add</i>	65.31	
			<i>For 12 Gauge Frame, Add</i>	99.27	
08 12 13 13-0059	EA		3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	500.97	119.87
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.18	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	31.35	
			<i>For Type 304 Stainless Steel Frame, Add</i>	482.20	
			<i>For Type 316 Stainless Steel Frame, Add</i>	560.57	
			<i>For Baked Enamel Finish, Add</i>	114.33	
			<i>For 18 Gauge Frame, Deduct</i>	-26.12	
			<i>For 14 Gauge Frame, Add</i>	65.31	
			<i>For 12 Gauge Frame, Add</i>	99.27	
08 12 13 13-0060	EA		4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	521.20	125.32
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	40.58	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	32.47	
			<i>For Type 304 Stainless Steel Frame, Add</i>	499.54	
			<i>For Type 316 Stainless Steel Frame, Add</i>	580.71	
			<i>For Baked Enamel Finish, Add</i>	118.76	
			<i>For 18 Gauge Frame, Deduct</i>	-27.06	
			<i>For 14 Gauge Frame, Add</i>	67.64	
			<i>For 12 Gauge Frame, Add</i>	102.81	
08 12 13 13-0061	EA		5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	541.42	130.77
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.98	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	33.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	516.86	
			<i>For Type 316 Stainless Steel Frame, Add</i>	600.83	
			<i>For Baked Enamel Finish, Add</i>	123.20	
			<i>For 18 Gauge Frame, Deduct</i>	-27.99	
			<i>For 14 Gauge Frame, Add</i>	69.97	
			<i>For 12 Gauge Frame, Add</i>	106.35	
08 12 13 13-0062	EA		5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	552.31	136.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.98	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	33.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	517.41	
			<i>For Type 316 Stainless Steel Frame, Add</i>	601.37	
			<i>For Baked Enamel Finish, Add</i>	124.83	
			<i>For 18 Gauge Frame, Deduct</i>	-27.99	
			<i>For 14 Gauge Frame, Add</i>	69.97	
			<i>For 12 Gauge Frame, Add</i>	106.35	





<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0063 EA 5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	562.43	138.94
For Auxiliary Frame Reinforcement For Hinges, Add	42.68	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	34.15	
For Type 304 Stainless Steel Frame, Add	526.08	
For Type 316 Stainless Steel Frame, Add	611.45	
For Baked Enamel Finish, Add	127.05	
For 18 Gauge Frame, Deduct	-28.46	
For 14 Gauge Frame, Add	71.14	
For 12 Gauge Frame, Add	108.13	
08 12 13 13-0064 EA 6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	572.54	141.67
For Auxiliary Frame Reinforcement For Hinges, Add	43.38	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	34.71	
For Type 304 Stainless Steel Frame, Add	534.74	
For Type 316 Stainless Steel Frame, Add	621.51	
For Baked Enamel Finish, Add	129.26	
For 18 Gauge Frame, Deduct	-28.92	
For 14 Gauge Frame, Add	72.30	
For 12 Gauge Frame, Add	109.90	
08 12 13 13-0065 EA 7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	596.65	144.39
For Auxiliary Frame Reinforcement For Hinges, Add	46.18	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	36.94	
For Type 304 Stainless Steel Frame, Add	568.61	
For Type 316 Stainless Steel Frame, Add	660.97	
For Baked Enamel Finish, Add	135.68	
For 18 Gauge Frame, Deduct	-30.79	
For 14 Gauge Frame, Add	76.97	
For 12 Gauge Frame, Add	116.99	
08 12 13 13-0066 EA 8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	620.76	147.12
For Auxiliary Frame Reinforcement For Hinges, Add	48.98	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	39.18	
For Type 304 Stainless Steel Frame, Add	602.47	
For Type 316 Stainless Steel Frame, Add	700.42	
For Baked Enamel Finish, Add	142.09	
For 18 Gauge Frame, Deduct	-32.65	
For 14 Gauge Frame, Add	81.63	
For 12 Gauge Frame, Add	124.08	
<b>08 12 13 13-0067 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)</b>		
Note: For non-rated or fire rated frame assemblies		
<b>08 12 13 13-0068 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0067)</b>		
08 12 13 13-0069 EA 2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	442.61	81.73
For Auxiliary Frame Reinforcement For Hinges, Add	41.87	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	33.50	
For Type 304 Stainless Steel Frame, Add	510.64	
For Type 316 Stainless Steel Frame, Add	594.39	
For Baked Enamel Finish, Add	108.26	
For 18 Gauge Frame, Deduct	-27.92	
For 14 Gauge Frame, Add	69.79	
For 12 Gauge Frame, Add	106.08	
08 12 13 13-0070 EA 2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	512.13	89.90
For Auxiliary Frame Reinforcement For Hinges, Add	49.85	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	39.88	
For Type 304 Stainless Steel Frame, Add	607.17	
For Type 316 Stainless Steel Frame, Add	706.86	
For Baked Enamel Finish, Add	126.67	
For 18 Gauge Frame, Deduct	-33.23	
For 14 Gauge Frame, Add	83.08	
For 12 Gauge Frame, Add	126.28	
08 12 13 13-0071 EA 2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	528.34	95.35
For Auxiliary Frame Reinforcement For Hinges, Add	50.64	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	40.52	
For Type 304 Stainless Steel Frame, Add	617.27	
For Type 316 Stainless Steel Frame, Add	718.56	
For Baked Enamel Finish, Add	129.90	
For 18 Gauge Frame, Deduct	-33.76	
For 14 Gauge Frame, Add	84.41	
For 12 Gauge Frame, Add	128.30	
08 12 13 13-0072 EA 2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	544.68	103.52
For Auxiliary Frame Reinforcement For Hinges, Add	50.64	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	40.52	
For Type 304 Stainless Steel Frame, Add	618.09	
For Type 316 Stainless Steel Frame, Add	719.38	
For Baked Enamel Finish, Add	132.35	
For 18 Gauge Frame, Deduct	-33.76	
For 14 Gauge Frame, Add	84.41	
For 12 Gauge Frame, Add	128.30	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0073	EA		2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	555.45	106.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	51.44	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	41.15	
			<i>For Type 304 Stainless Steel Frame, Add</i>	627.94	
			<i>For Type 316 Stainless Steel Frame, Add</i>	730.82	
			<i>For Baked Enamel Finish, Add</i>	134.76	
			<i>For 18 Gauge Frame, Deduct</i>	-34.30	
			<i>For 14 Gauge Frame, Add</i>	85.74	
			<i>For 12 Gauge Frame, Add</i>	130.32	
08 12 13 13-0074	EA		3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	566.22	108.97
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	52.24	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	41.79	
			<i>For Type 304 Stainless Steel Frame, Add</i>	637.78	
			<i>For Type 316 Stainless Steel Frame, Add</i>	742.26	
			<i>For Baked Enamel Finish, Add</i>	137.17	
			<i>For 18 Gauge Frame, Deduct</i>	-34.83	
			<i>For 14 Gauge Frame, Add</i>	87.07	
			<i>For 12 Gauge Frame, Add</i>	132.34	
08 12 13 13-0075	EA		3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	601.03	114.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	55.83	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	44.66	
			<i>For Type 304 Stainless Steel Frame, Add</i>	681.38	
			<i>For Type 316 Stainless Steel Frame, Add</i>	793.04	
			<i>For Baked Enamel Finish, Add</i>	145.98	
			<i>For 18 Gauge Frame, Deduct</i>	-37.22	
			<i>For 14 Gauge Frame, Add</i>	93.05	
			<i>For 12 Gauge Frame, Add</i>	141.43	
08 12 13 13-0076	EA		3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	611.93	119.87
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	55.83	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	44.66	
			<i>For Type 304 Stainless Steel Frame, Add</i>	681.93	
			<i>For Type 316 Stainless Steel Frame, Add</i>	793.59	
			<i>For Baked Enamel Finish, Add</i>	147.62	
			<i>For 18 Gauge Frame, Deduct</i>	-37.22	
			<i>For 14 Gauge Frame, Add</i>	93.05	
			<i>For 12 Gauge Frame, Add</i>	141.43	
08 12 13 13-0077	EA		4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	636.13	125.32
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	57.82	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	46.26	
			<i>For Type 304 Stainless Steel Frame, Add</i>	706.41	
			<i>For Type 316 Stainless Steel Frame, Add</i>	822.06	
			<i>For Baked Enamel Finish, Add</i>	153.24	
			<i>For 18 Gauge Frame, Deduct</i>	-38.55	
			<i>For 14 Gauge Frame, Add</i>	96.37	
			<i>For 12 Gauge Frame, Add</i>	146.49	
08 12 13 13-0078	EA		5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	660.32	130.77
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	59.82	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	47.85	
			<i>For Type 304 Stainless Steel Frame, Add</i>	730.88	
			<i>For Type 316 Stainless Steel Frame, Add</i>	850.52	
			<i>For Baked Enamel Finish, Add</i>	158.87	
			<i>For 18 Gauge Frame, Deduct</i>	-39.88	
			<i>For 14 Gauge Frame, Add</i>	99.70	
			<i>For 12 Gauge Frame, Add</i>	151.54	
08 12 13 13-0079	EA		5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	671.21	136.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	59.82	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	47.85	
			<i>For Type 304 Stainless Steel Frame, Add</i>	731.43	
			<i>For Type 316 Stainless Steel Frame, Add</i>	851.06	
			<i>For Baked Enamel Finish, Add</i>	160.50	
			<i>For 18 Gauge Frame, Deduct</i>	-39.88	
			<i>For 14 Gauge Frame, Add</i>	99.70	
			<i>For 12 Gauge Frame, Add</i>	151.54	
08 12 13 13-0080	EA		5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	683.31	138.94
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	60.81	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	48.65	
			<i>For Type 304 Stainless Steel Frame, Add</i>	743.67	
			<i>For Type 316 Stainless Steel Frame, Add</i>	865.30	
			<i>For Baked Enamel Finish, Add</i>	163.31	
			<i>For 18 Gauge Frame, Deduct</i>	-40.54	
			<i>For 14 Gauge Frame, Add</i>	101.36	
			<i>For 12 Gauge Frame, Add</i>	154.06	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0081	EA		6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... 695.40	695.40	141.67
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	61.81	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	49.45	
			<i>For Type 304 Stainless Steel Frame, Add</i>	755.89	
			<i>For Type 316 Stainless Steel Frame, Add</i>	879.51	
			<i>For Baked Enamel Finish, Add</i>	166.12	
			<i>For 18 Gauge Frame, Deduct</i>	-41.21	
			<i>For 14 Gauge Frame, Add</i>	103.02	
			<i>For 12 Gauge Frame, Add</i>	156.59	
08 12 13 13-0082	EA		7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... 727.43	727.43	144.39
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	65.80	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	52.64	
			<i>For Type 304 Stainless Steel Frame, Add</i>	804.01	
			<i>For Type 316 Stainless Steel Frame, Add</i>	935.60	
			<i>For Baked Enamel Finish, Add</i>	174.91	
			<i>For 18 Gauge Frame, Deduct</i>	-43.87	
			<i>For 14 Gauge Frame, Add</i>	109.66	
			<i>For 12 Gauge Frame, Add</i>	166.69	
08 12 13 13-0083	EA		8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... 759.47	759.47	147.12
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	69.79	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	55.83	
			<i>For Type 304 Stainless Steel Frame, Add</i>	852.14	
			<i>For Type 316 Stainless Steel Frame, Add</i>	991.72	
			<i>For Baked Enamel Finish, Add</i>	183.71	
			<i>For 18 Gauge Frame, Deduct</i>	-46.52	
			<i>For 14 Gauge Frame, Add</i>	116.31	
			<i>For 12 Gauge Frame, Add</i>	176.79	
08 12 13 13-0084			<b>&gt;7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13-0067)</small>		
08 12 13 13-0085	EA		2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... 473.62	473.62	81.73
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	46.52	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	37.22	
			<i>For Type 304 Stainless Steel Frame, Add</i>	566.46	
			<i>For Type 316 Stainless Steel Frame, Add</i>	659.51	
			<i>For Baked Enamel Finish, Add</i>	117.57	
			<i>For 18 Gauge Frame, Deduct</i>	-31.02	
			<i>For 14 Gauge Frame, Add</i>	77.54	
			<i>For 12 Gauge Frame, Add</i>	117.86	
08 12 13 13-0086	EA		2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... 549.05	549.05	89.90
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	55.39	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	44.31	
			<i>For Type 304 Stainless Steel Frame, Add</i>	673.62	
			<i>For Type 316 Stainless Steel Frame, Add</i>	784.39	
			<i>For Baked Enamel Finish, Add</i>	137.74	
			<i>For 18 Gauge Frame, Deduct</i>	-36.92	
			<i>For 14 Gauge Frame, Add</i>	92.31	
			<i>For 12 Gauge Frame, Add</i>	140.31	
08 12 13 13-0087	EA		2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... 565.86	565.86	95.35
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	56.27	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	45.02	
			<i>For Type 304 Stainless Steel Frame, Add</i>	684.81	
			<i>For Type 316 Stainless Steel Frame, Add</i>	797.35	
			<i>For Baked Enamel Finish, Add</i>	141.15	
			<i>For 18 Gauge Frame, Deduct</i>	-37.52	
			<i>For 14 Gauge Frame, Add</i>	93.79	
			<i>For 12 Gauge Frame, Add</i>	142.56	
08 12 13 13-0088	EA		2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... 582.20	582.20	103.52
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	56.27	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	45.02	
			<i>For Type 304 Stainless Steel Frame, Add</i>	685.62	
			<i>For Type 316 Stainless Steel Frame, Add</i>	798.17	
			<i>For Baked Enamel Finish, Add</i>	143.60	
			<i>For 18 Gauge Frame, Deduct</i>	-37.52	
			<i>For 14 Gauge Frame, Add</i>	93.79	
			<i>For 12 Gauge Frame, Add</i>	142.56	
08 12 13 13-0089	EA		2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... 593.56	593.56	106.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	57.16	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	45.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	696.53	
			<i>For Type 316 Stainless Steel Frame, Add</i>	810.85	
			<i>For Baked Enamel Finish, Add</i>	146.19	
			<i>For 18 Gauge Frame, Deduct</i>	-38.11	
			<i>For 14 Gauge Frame, Add</i>	95.27	
			<i>For 12 Gauge Frame, Add</i>	144.80	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0090	EA		3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	604.91	108.97
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	58.04	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	46.44	
			<i>For Type 304 Stainless Steel Frame, Add</i>	707.43	
			<i>For Type 316 Stainless Steel Frame, Add</i>	823.51	
			<i>For Baked Enamel Finish, Add</i>	148.78	
			<i>For 18 Gauge Frame, Deduct</i>	-38.70	
			<i>For 14 Gauge Frame, Add</i>	96.74	
			<i>For 12 Gauge Frame, Add</i>	147.04	
08 12 13 13-0091	EA		3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	642.39	114.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	62.03	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	49.63	
			<i>For Type 304 Stainless Steel Frame, Add</i>	755.83	
			<i>For Type 316 Stainless Steel Frame, Add</i>	879.90	
			<i>For Baked Enamel Finish, Add</i>	158.39	
			<i>For 18 Gauge Frame, Deduct</i>	-41.36	
			<i>For 14 Gauge Frame, Add</i>	103.39	
			<i>For 12 Gauge Frame, Add</i>	157.15	
08 12 13 13-0092	EA		3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	653.29	119.87
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	62.03	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	49.63	
			<i>For Type 304 Stainless Steel Frame, Add</i>	756.38	
			<i>For Type 316 Stainless Steel Frame, Add</i>	880.44	
			<i>For Baked Enamel Finish, Add</i>	160.03	
			<i>For 18 Gauge Frame, Deduct</i>	-41.36	
			<i>For 14 Gauge Frame, Add</i>	103.39	
			<i>For 12 Gauge Frame, Add</i>	157.15	
08 12 13 13-0093	EA		4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	678.96	125.32
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	64.25	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	51.40	
			<i>For Type 304 Stainless Steel Frame, Add</i>	783.51	
			<i>For Type 316 Stainless Steel Frame, Add</i>	912.00	
			<i>For Baked Enamel Finish, Add</i>	166.09	
			<i>For 18 Gauge Frame, Deduct</i>	-42.83	
			<i>For 14 Gauge Frame, Add</i>	107.08	
			<i>For 12 Gauge Frame, Add</i>	162.76	
08 12 13 13-0094	EA		5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	704.63	130.77
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	66.46	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	53.17	
			<i>For Type 304 Stainless Steel Frame, Add</i>	810.64	
			<i>For Type 316 Stainless Steel Frame, Add</i>	943.57	
			<i>For Baked Enamel Finish, Add</i>	172.16	
			<i>For 18 Gauge Frame, Deduct</i>	-44.31	
			<i>For 14 Gauge Frame, Add</i>	110.77	
			<i>For 12 Gauge Frame, Add</i>	168.37	
08 12 13 13-0095	EA		5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	715.52	136.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	66.46	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	53.17	
			<i>For Type 304 Stainless Steel Frame, Add</i>	811.18	
			<i>For Type 316 Stainless Steel Frame, Add</i>	944.11	
			<i>For Baked Enamel Finish, Add</i>	173.79	
			<i>For 18 Gauge Frame, Deduct</i>	-44.31	
			<i>For 14 Gauge Frame, Add</i>	110.77	
			<i>For 12 Gauge Frame, Add</i>	168.37	
08 12 13 13-0096	EA		5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	728.35	138.94
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	67.57	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	54.06	
			<i>For Type 304 Stainless Steel Frame, Add</i>	824.74	
			<i>For Type 316 Stainless Steel Frame, Add</i>	959.88	
			<i>For Baked Enamel Finish, Add</i>	176.82	
			<i>For 18 Gauge Frame, Deduct</i>	-45.05	
			<i>For 14 Gauge Frame, Add</i>	112.62	
			<i>For 12 Gauge Frame, Add</i>	171.18	
08 12 13 13-0097	EA		6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	741.19	141.67
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	68.68	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	54.94	
			<i>For Type 304 Stainless Steel Frame, Add</i>	838.31	
			<i>For Type 316 Stainless Steel Frame, Add</i>	975.67	
			<i>For Baked Enamel Finish, Add</i>	179.86	
			<i>For 18 Gauge Frame, Deduct</i>	-45.79	
			<i>For 14 Gauge Frame, Add</i>	114.47	
			<i>For 12 Gauge Frame, Add</i>	173.99	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0098 EA 7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	776.17	144.39
For Auxiliary Frame Reinforcement For Hinges, Add	73.11	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	58.49	
For Type 304 Stainless Steel Frame, Add	891.74	
For Type 316 Stainless Steel Frame, Add	1,037.96	
For Baked Enamel Finish, Add	189.53	
For 18 Gauge Frame, Deduct	-48.74	
For 14 Gauge Frame, Add	121.85	
For 12 Gauge Frame, Add	185.21	
08 12 13 13-0099 EA 8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	811.17	147.12
For Auxiliary Frame Reinforcement For Hinges, Add	77.54	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	62.03	
For Type 304 Stainless Steel Frame, Add	945.20	
For Type 316 Stainless Steel Frame, Add	1,100.29	
For Baked Enamel Finish, Add	199.22	
For 18 Gauge Frame, Deduct	-51.69	
For 14 Gauge Frame, Add	129.24	
For 12 Gauge Frame, Add	196.44	
<b>08 12 13 13-0100 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13)</small>		
Note: For non-rated or fire rated frame assemblies		
<b>08 12 13 13-0101 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13-0100)</small>		
08 12 13 13-0102 EA 2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	463.54	81.73
For Auxiliary Frame Reinforcement For Hinges, Add	45.01	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	36.01	
For Type 304 Stainless Steel Frame, Add	548.32	
For Type 316 Stainless Steel Frame, Add	638.34	
For Baked Enamel Finish, Add	114.54	
For 18 Gauge Frame, Deduct	-30.01	
For 14 Gauge Frame, Add	75.02	
For 12 Gauge Frame, Add	114.03	
08 12 13 13-0103 EA 2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	537.05	89.90
For Auxiliary Frame Reinforcement For Hinges, Add	53.59	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	42.87	
For Type 304 Stainless Steel Frame, Add	652.02	
For Type 316 Stainless Steel Frame, Add	759.19	
For Baked Enamel Finish, Add	134.14	
For 18 Gauge Frame, Deduct	-35.72	
For 14 Gauge Frame, Add	89.31	
For 12 Gauge Frame, Add	135.75	
08 12 13 13-0104 EA 2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	553.67	95.35
For Auxiliary Frame Reinforcement For Hinges, Add	54.44	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	43.56	
For Type 304 Stainless Steel Frame, Add	662.86	
For Type 316 Stainless Steel Frame, Add	771.75	
For Baked Enamel Finish, Add	137.49	
For 18 Gauge Frame, Deduct	-36.30	
For 14 Gauge Frame, Add	90.74	
For 12 Gauge Frame, Add	137.92	
08 12 13 13-0105 EA 2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	570.01	103.52
For Auxiliary Frame Reinforcement For Hinges, Add	54.44	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	43.56	
For Type 304 Stainless Steel Frame, Add	663.68	
For Type 316 Stainless Steel Frame, Add	772.57	
For Baked Enamel Finish, Add	139.95	
For 18 Gauge Frame, Deduct	-36.30	
For 14 Gauge Frame, Add	90.74	
For 12 Gauge Frame, Add	137.92	
08 12 13 13-0106 EA 2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	581.17	106.25
For Auxiliary Frame Reinforcement For Hinges, Add	55.30	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	44.24	
For Type 304 Stainless Steel Frame, Add	674.23	
For Type 316 Stainless Steel Frame, Add	784.83	
For Baked Enamel Finish, Add	142.48	
For 18 Gauge Frame, Deduct	-36.87	
For 14 Gauge Frame, Add	92.17	
For 12 Gauge Frame, Add	140.09	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0107	EA		3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	592.34	108.97
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	56.16	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	44.93	
			<i>For Type 304 Stainless Steel Frame, Add</i>	684.80	
			<i>For Type 316 Stainless Steel Frame, Add</i>	797.12	
			<i>For Baked Enamel Finish, Add</i>	145.01	
			<i>For 18 Gauge Frame, Deduct</i>	-37.44	
			<i>For 14 Gauge Frame, Add</i>	93.60	
			<i>For 12 Gauge Frame, Add</i>	142.27	
08 12 13 13-0108	EA		3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	628.95	114.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	60.02	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	48.01	
			<i>For Type 304 Stainless Steel Frame, Add</i>	731.64	
			<i>For Type 316 Stainless Steel Frame, Add</i>	851.67	
			<i>For Baked Enamel Finish, Add</i>	154.36	
			<i>For 18 Gauge Frame, Deduct</i>	-40.01	
			<i>For 14 Gauge Frame, Add</i>	100.03	
			<i>For 12 Gauge Frame, Add</i>	152.04	
08 12 13 13-0109	EA		3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	639.85	119.87
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	60.02	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	48.01	
			<i>For Type 304 Stainless Steel Frame, Add</i>	732.19	
			<i>For Type 316 Stainless Steel Frame, Add</i>	852.22	
			<i>For Baked Enamel Finish, Add</i>	155.99	
			<i>For 18 Gauge Frame, Deduct</i>	-40.01	
			<i>For 14 Gauge Frame, Add</i>	100.03	
			<i>For 12 Gauge Frame, Add</i>	152.04	
08 12 13 13-0110	EA		4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	665.04	125.32
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	62.16	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	49.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	758.45	
			<i>For Type 316 Stainless Steel Frame, Add</i>	882.77	
			<i>For Baked Enamel Finish, Add</i>	161.92	
			<i>For 18 Gauge Frame, Deduct</i>	-41.44	
			<i>For 14 Gauge Frame, Add</i>	103.60	
			<i>For 12 Gauge Frame, Add</i>	157.47	
08 12 13 13-0111	EA		5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	690.23	130.77
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	64.30	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	51.44	
			<i>For Type 304 Stainless Steel Frame, Add</i>	784.72	
			<i>For Type 316 Stainless Steel Frame, Add</i>	913.33	
			<i>For Baked Enamel Finish, Add</i>	167.84	
			<i>For 18 Gauge Frame, Deduct</i>	-42.87	
			<i>For 14 Gauge Frame, Add</i>	107.17	
			<i>For 12 Gauge Frame, Add</i>	162.90	
08 12 13 13-0112	EA		5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	701.12	136.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	64.30	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	51.44	
			<i>For Type 304 Stainless Steel Frame, Add</i>	785.26	
			<i>For Type 316 Stainless Steel Frame, Add</i>	913.87	
			<i>For Baked Enamel Finish, Add</i>	169.47	
			<i>For 18 Gauge Frame, Deduct</i>	-42.87	
			<i>For 14 Gauge Frame, Add</i>	107.17	
			<i>For 12 Gauge Frame, Add</i>	162.90	
08 12 13 13-0113	EA		5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	713.71	138.94
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	65.37	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	52.30	
			<i>For Type 304 Stainless Steel Frame, Add</i>	798.39	
			<i>For Type 316 Stainless Steel Frame, Add</i>	929.14	
			<i>For Baked Enamel Finish, Add</i>	172.43	
			<i>For 18 Gauge Frame, Deduct</i>	-43.58	
			<i>For 14 Gauge Frame, Add</i>	108.96	
			<i>For 12 Gauge Frame, Add</i>	165.62	
08 12 13 13-0114	EA		6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	726.31	141.67
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	66.45	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	53.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	811.53	
			<i>For Type 316 Stainless Steel Frame, Add</i>	944.42	
			<i>For Baked Enamel Finish, Add</i>	175.39	
			<i>For 18 Gauge Frame, Deduct</i>	-44.30	
			<i>For 14 Gauge Frame, Add</i>	110.75	
			<i>For 12 Gauge Frame, Add</i>	168.33	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0115 EA 7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	760.33	144.39
For Auxiliary Frame Reinforcement For Hinges, Add	70.73	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	56.59	
For Type 304 Stainless Steel Frame, Add	863.23	
For Type 316 Stainless Steel Frame, Add	1,004.69	
For Baked Enamel Finish, Add	184.78	
For 18 Gauge Frame, Deduct	-47.16	
For 14 Gauge Frame, Add	117.89	
For 12 Gauge Frame, Add	179.19	
08 12 13 13-0116 EA 8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	794.37	147.12
For Auxiliary Frame Reinforcement For Hinges, Add	75.02	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	60.02	
For Type 304 Stainless Steel Frame, Add	914.96	
For Type 316 Stainless Steel Frame, Add	1,065.01	
For Baked Enamel Finish, Add	194.18	
For 18 Gauge Frame, Deduct	-50.01	
For 14 Gauge Frame, Add	125.04	
For 12 Gauge Frame, Add	190.05	
<b>08 12 13 13-0117 &gt;7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13-0100)</small>		
08 12 13 13-0118 EA 2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	496.88	81.73
For Auxiliary Frame Reinforcement For Hinges, Add	50.01	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	40.01	
For Type 304 Stainless Steel Frame, Add	608.33	
For Type 316 Stainless Steel Frame, Add	708.36	
For Baked Enamel Finish, Add	124.55	
For 18 Gauge Frame, Deduct	-33.34	
For 14 Gauge Frame, Add	83.36	
For 12 Gauge Frame, Add	126.70	
08 12 13 13-0119 EA 2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	576.74	89.90
For Auxiliary Frame Reinforcement For Hinges, Add	59.54	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	47.63	
For Type 304 Stainless Steel Frame, Add	723.46	
For Type 316 Stainless Steel Frame, Add	842.54	
For Baked Enamel Finish, Add	146.05	
For 18 Gauge Frame, Deduct	-39.69	
For 14 Gauge Frame, Add	99.23	
For 12 Gauge Frame, Add	150.83	
08 12 13 13-0120 EA 2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	593.99	95.35
For Auxiliary Frame Reinforcement For Hinges, Add	60.49	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	48.39	
For Type 304 Stainless Steel Frame, Add	735.44	
For Type 316 Stainless Steel Frame, Add	856.42	
For Baked Enamel Finish, Add	149.59	
For 18 Gauge Frame, Deduct	-40.33	
For 14 Gauge Frame, Add	100.82	
For 12 Gauge Frame, Add	153.25	
08 12 13 13-0121 EA 2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	610.33	103.52
For Auxiliary Frame Reinforcement For Hinges, Add	60.49	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	48.39	
For Type 304 Stainless Steel Frame, Add	736.26	
For Type 316 Stainless Steel Frame, Add	857.24	
For Baked Enamel Finish, Add	152.04	
For 18 Gauge Frame, Deduct	-40.33	
For 14 Gauge Frame, Add	100.82	
For 12 Gauge Frame, Add	153.25	
08 12 13 13-0122 EA 2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	622.14	106.25
For Auxiliary Frame Reinforcement For Hinges, Add	61.45	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	49.16	
For Type 304 Stainless Steel Frame, Add	747.98	
For Type 316 Stainless Steel Frame, Add	870.87	
For Baked Enamel Finish, Add	154.77	
For 18 Gauge Frame, Deduct	-40.96	
For 14 Gauge Frame, Add	102.41	
For 12 Gauge Frame, Add	155.66	
08 12 13 13-0123 EA 3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	633.94	108.97
For Auxiliary Frame Reinforcement For Hinges, Add	62.40	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	49.92	
For Type 304 Stainless Steel Frame, Add	759.68	
For Type 316 Stainless Steel Frame, Add	884.48	
For Baked Enamel Finish, Add	157.49	
For 18 Gauge Frame, Deduct	-41.60	
For 14 Gauge Frame, Add	104.00	
For 12 Gauge Frame, Add	158.08	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0124	EA		3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	673.41	114.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	66.69	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	53.35	
			<i>For Type 304 Stainless Steel Frame, Add</i>	811.67	
			<i>For Type 316 Stainless Steel Frame, Add</i>	945.04	
			<i>For Baked Enamel Finish, Add</i>	167.70	
			<i>For 18 Gauge Frame, Deduct</i>	-44.46	
			<i>For 14 Gauge Frame, Add</i>	111.14	
			<i>For 12 Gauge Frame, Add</i>	168.94	
08 12 13 13-0125	EA		3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	684.31	119.87
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	66.69	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	53.35	
			<i>For Type 304 Stainless Steel Frame, Add</i>	812.21	
			<i>For Type 316 Stainless Steel Frame, Add</i>	945.58	
			<i>For Baked Enamel Finish, Add</i>	169.33	
			<i>For 18 Gauge Frame, Deduct</i>	-44.46	
			<i>For 14 Gauge Frame, Add</i>	111.14	
			<i>For 12 Gauge Frame, Add</i>	168.94	
08 12 13 13-0126	EA		4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	711.08	125.32
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	69.07	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	55.25	
			<i>For Type 304 Stainless Steel Frame, Add</i>	841.32	
			<i>For Type 316 Stainless Steel Frame, Add</i>	979.46	
			<i>For Baked Enamel Finish, Add</i>	175.73	
			<i>For 18 Gauge Frame, Deduct</i>	-46.04	
			<i>For 14 Gauge Frame, Add</i>	115.11	
			<i>For 12 Gauge Frame, Add</i>	174.97	
08 12 13 13-0127	EA		5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	737.86	130.77
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	71.45	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	57.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	870.45	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,013.35	
			<i>For Baked Enamel Finish, Add</i>	182.13	
			<i>For 18 Gauge Frame, Deduct</i>	-47.63	
			<i>For 14 Gauge Frame, Add</i>	119.08	
			<i>For 12 Gauge Frame, Add</i>	181.00	
08 12 13 13-0128	EA		5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	748.75	136.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	71.45	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	57.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	871.00	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,013.89	
			<i>For Baked Enamel Finish, Add</i>	183.76	
			<i>For 18 Gauge Frame, Deduct</i>	-47.63	
			<i>For 14 Gauge Frame, Add</i>	119.08	
			<i>For 12 Gauge Frame, Add</i>	181.00	
08 12 13 13-0129	EA		5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	762.14	138.94
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	72.64	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	58.11	
			<i>For Type 304 Stainless Steel Frame, Add</i>	885.56	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,030.84	
			<i>For Baked Enamel Finish, Add</i>	186.96	
			<i>For 18 Gauge Frame, Deduct</i>	-48.43	
			<i>For 14 Gauge Frame, Add</i>	121.07	
			<i>For 12 Gauge Frame, Add</i>	184.02	
08 12 13 13-0130	EA		6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	775.53	141.67
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	73.83	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	59.06	
			<i>For Type 304 Stainless Steel Frame, Add</i>	900.13	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,047.79	
			<i>For Baked Enamel Finish, Add</i>	190.16	
			<i>For 18 Gauge Frame, Deduct</i>	-49.22	
			<i>For 14 Gauge Frame, Add</i>	123.05	
			<i>For 12 Gauge Frame, Add</i>	187.04	
08 12 13 13-0131	EA		7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	812.73	144.39
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	78.59	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	62.87	
			<i>For Type 304 Stainless Steel Frame, Add</i>	957.55	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,114.73	
			<i>For Baked Enamel Finish, Add</i>	200.50	
			<i>For 18 Gauge Frame, Deduct</i>	-52.40	
			<i>For 14 Gauge Frame, Add</i>	130.99	
			<i>For 12 Gauge Frame, Add</i>	199.10	





<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0132 EA 8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	849.94	147.12
For Auxiliary Frame Reinforcement For Hinges, Add	83.36	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	66.69	
For Type 304 Stainless Steel Frame, Add	1,014.99	
For Type 316 Stainless Steel Frame, Add	1,181.70	
For Baked Enamel Finish, Add	210.85	
For 18 Gauge Frame, Deduct	-55.57	
For 14 Gauge Frame, Add	138.93	
For 12 Gauge Frame, Add	211.17	
<b>08 12 13 13-0133 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13)</small>		
Note: For non-rated or fire rated frame assemblies		
<b>08 12 13 13-0134 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13-0133)</small>		
08 12 13 13-0135 EA 2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	477.50	81.73
For Auxiliary Frame Reinforcement For Hinges, Add	47.11	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	37.68	
For Type 304 Stainless Steel Frame, Add	573.45	
For Type 316 Stainless Steel Frame, Add	667.66	
For Baked Enamel Finish, Add	118.73	
For 18 Gauge Frame, Deduct	-31.40	
For 14 Gauge Frame, Add	78.51	
For 12 Gauge Frame, Add	119.34	
08 12 13 13-0136 EA 2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	553.67	89.90
For Auxiliary Frame Reinforcement For Hinges, Add	56.08	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	44.86	
For Type 304 Stainless Steel Frame, Add	681.94	
For Type 316 Stainless Steel Frame, Add	794.10	
For Baked Enamel Finish, Add	139.13	
For 18 Gauge Frame, Deduct	-37.39	
For 14 Gauge Frame, Add	93.47	
For 12 Gauge Frame, Add	142.07	
08 12 13 13-0137 EA 2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	570.55	95.35
For Auxiliary Frame Reinforcement For Hinges, Add	56.98	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	45.58	
For Type 304 Stainless Steel Frame, Add	693.25	
For Type 316 Stainless Steel Frame, Add	807.20	
For Baked Enamel Finish, Add	142.56	
For 18 Gauge Frame, Deduct	-37.98	
For 14 Gauge Frame, Add	94.96	
For 12 Gauge Frame, Add	144.34	
08 12 13 13-0138 EA 2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	586.89	103.52
For Auxiliary Frame Reinforcement For Hinges, Add	56.98	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	45.58	
For Type 304 Stainless Steel Frame, Add	694.06	
For Type 316 Stainless Steel Frame, Add	808.02	
For Baked Enamel Finish, Add	145.01	
For 18 Gauge Frame, Deduct	-37.98	
For 14 Gauge Frame, Add	94.96	
For 12 Gauge Frame, Add	144.34	
08 12 13 13-0139 EA 2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	598.32	106.25
For Auxiliary Frame Reinforcement For Hinges, Add	57.87	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	46.30	
For Type 304 Stainless Steel Frame, Add	705.10	
For Type 316 Stainless Steel Frame, Add	820.85	
For Baked Enamel Finish, Add	147.62	
For 18 Gauge Frame, Deduct	-38.58	
For 14 Gauge Frame, Add	96.46	
For 12 Gauge Frame, Add	146.61	
08 12 13 13-0140 EA 3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	609.75	108.97
For Auxiliary Frame Reinforcement For Hinges, Add	58.77	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	47.02	
For Type 304 Stainless Steel Frame, Add	716.14	
For Type 316 Stainless Steel Frame, Add	833.68	
For Baked Enamel Finish, Add	150.23	
For 18 Gauge Frame, Deduct	-39.18	
For 14 Gauge Frame, Add	97.95	
For 12 Gauge Frame, Add	148.88	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 12 13 13-0141	EA 3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	647.56	114.42
	<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	62.81	
	<i>For Welded Frames, Add</i>	92.51	
	<i>For Galvanized Frames, Add</i>	50.25	
	<i>For Type 304 Stainless Steel Frame, Add</i>	765.14	
	<i>For Type 316 Stainless Steel Frame, Add</i>	890.75	
	<i>For Baked Enamel Finish, Add</i>	159.94	
	<i>For 18 Gauge Frame, Deduct</i>	-41.87	
	<i>For 14 Gauge Frame, Add</i>	104.68	
	<i>For 12 Gauge Frame, Add</i>	159.11	
08 12 13 13-0142	EA 3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	658.46	119.87
	<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	62.81	
	<i>For Welded Frames, Add</i>	92.51	
	<i>For Galvanized Frames, Add</i>	50.25	
	<i>For Type 304 Stainless Steel Frame, Add</i>	765.68	
	<i>For Type 316 Stainless Steel Frame, Add</i>	891.30	
	<i>For Baked Enamel Finish, Add</i>	161.58	
	<i>For 18 Gauge Frame, Deduct</i>	-41.87	
	<i>For 14 Gauge Frame, Add</i>	104.68	
	<i>For 12 Gauge Frame, Add</i>	159.11	
08 12 13 13-0143	EA 4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	684.31	125.32
	<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	65.05	
	<i>For Welded Frames, Add</i>	92.51	
	<i>For Galvanized Frames, Add</i>	52.04	
	<i>For Type 304 Stainless Steel Frame, Add</i>	793.14	
	<i>For Type 316 Stainless Steel Frame, Add</i>	923.24	
	<i>For Baked Enamel Finish, Add</i>	167.70	
	<i>For 18 Gauge Frame, Deduct</i>	-43.37	
	<i>For 14 Gauge Frame, Add</i>	108.42	
	<i>For 12 Gauge Frame, Add</i>	164.79	
08 12 13 13-0144	EA 5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	710.17	130.77
	<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	67.29	
	<i>For Welded Frames, Add</i>	92.51	
	<i>For Galvanized Frames, Add</i>	53.84	
	<i>For Type 304 Stainless Steel Frame, Add</i>	820.61	
	<i>For Type 316 Stainless Steel Frame, Add</i>	955.20	
	<i>For Baked Enamel Finish, Add</i>	173.82	
	<i>For 18 Gauge Frame, Deduct</i>	-44.86	
	<i>For 14 Gauge Frame, Add</i>	112.16	
	<i>For 12 Gauge Frame, Add</i>	170.48	
08 12 13 13-0145	EA 5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	721.06	136.22
	<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	67.29	
	<i>For Welded Frames, Add</i>	92.51	
	<i>For Galvanized Frames, Add</i>	53.84	
	<i>For Type 304 Stainless Steel Frame, Add</i>	821.16	
	<i>For Type 316 Stainless Steel Frame, Add</i>	955.74	
	<i>For Baked Enamel Finish, Add</i>	175.45	
	<i>For 18 Gauge Frame, Deduct</i>	-44.86	
	<i>For 14 Gauge Frame, Add</i>	112.16	
	<i>For 12 Gauge Frame, Add</i>	170.48	
08 12 13 13-0146	EA 5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	733.98	138.94
	<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	68.42	
	<i>For Welded Frames, Add</i>	92.51	
	<i>For Galvanized Frames, Add</i>	54.73	
	<i>For Type 304 Stainless Steel Frame, Add</i>	834.87	
	<i>For Type 316 Stainless Steel Frame, Add</i>	971.70	
	<i>For Baked Enamel Finish, Add</i>	178.51	
	<i>For 18 Gauge Frame, Deduct</i>	-45.61	
	<i>For 14 Gauge Frame, Add</i>	114.03	
	<i>For 12 Gauge Frame, Add</i>	173.32	
08 12 13 13-0147	EA 6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	746.91	141.67
	<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	69.54	
	<i>For Welded Frames, Add</i>	92.51	
	<i>For Galvanized Frames, Add</i>	55.63	
	<i>For Type 304 Stainless Steel Frame, Add</i>	848.61	
	<i>For Type 316 Stainless Steel Frame, Add</i>	987.68	
	<i>For Baked Enamel Finish, Add</i>	181.57	
	<i>For 18 Gauge Frame, Deduct</i>	-46.36	
	<i>For 14 Gauge Frame, Add</i>	115.90	
	<i>For 12 Gauge Frame, Add</i>	176.16	
08 12 13 13-0148	EA 7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	782.27	144.39
	<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	74.02	
	<i>For Welded Frames, Add</i>	92.51	
	<i>For Galvanized Frames, Add</i>	59.22	
	<i>For Type 304 Stainless Steel Frame, Add</i>	902.72	
	<i>For Type 316 Stainless Steel Frame, Add</i>	1,050.77	
	<i>For Baked Enamel Finish, Add</i>	191.36	
	<i>For 18 Gauge Frame, Deduct</i>	-49.35	
	<i>For 14 Gauge Frame, Add</i>	123.37	
	<i>For 12 Gauge Frame, Add</i>	187.53	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0149 EA 8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	817.63	147.12
For Auxiliary Frame Reinforcement For Hinges, Add	78.51	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	62.81	
For Type 304 Stainless Steel Frame, Add	956.83	
For Type 316 Stainless Steel Frame, Add	1,113.85	
For Baked Enamel Finish, Add	201.15	
For 18 Gauge Frame, Deduct	-52.34	
For 14 Gauge Frame, Add	130.85	
For 12 Gauge Frame, Add	198.89	
<b>08 12 13 13-0150 &gt;7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0133)</b>		
08 12 13 13-0151 EA 2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	512.39	81.73
For Auxiliary Frame Reinforcement For Hinges, Add	52.34	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	41.87	
For Type 304 Stainless Steel Frame, Add	636.25	
For Type 316 Stainless Steel Frame, Add	740.93	
For Baked Enamel Finish, Add	129.20	
For 18 Gauge Frame, Deduct	-34.89	
For 14 Gauge Frame, Add	87.23	
For 12 Gauge Frame, Add	132.59	
08 12 13 13-0152 EA 2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	595.21	89.90
For Auxiliary Frame Reinforcement For Hinges, Add	62.31	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	49.85	
For Type 304 Stainless Steel Frame, Add	756.71	
For Type 316 Stainless Steel Frame, Add	881.33	
For Baked Enamel Finish, Add	151.59	
For 18 Gauge Frame, Deduct	-41.54	
For 14 Gauge Frame, Add	103.85	
For 12 Gauge Frame, Add	157.85	
08 12 13 13-0153 EA 2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	612.75	95.35
For Auxiliary Frame Reinforcement For Hinges, Add	63.31	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	50.64	
For Type 304 Stainless Steel Frame, Add	769.21	
For Type 316 Stainless Steel Frame, Add	895.82	
For Baked Enamel Finish, Add	155.22	
For 18 Gauge Frame, Deduct	-42.20	
For 14 Gauge Frame, Add	105.51	
For 12 Gauge Frame, Add	160.38	
08 12 13 13-0154 EA 2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	629.09	103.52
For Auxiliary Frame Reinforcement For Hinges, Add	63.31	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	50.64	
For Type 304 Stainless Steel Frame, Add	770.02	
For Type 316 Stainless Steel Frame, Add	896.64	
For Baked Enamel Finish, Add	157.67	
For 18 Gauge Frame, Deduct	-42.20	
For 14 Gauge Frame, Add	105.51	
For 12 Gauge Frame, Add	160.38	
08 12 13 13-0155 EA 2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	641.19	106.25
For Auxiliary Frame Reinforcement For Hinges, Add	64.30	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	51.44	
For Type 304 Stainless Steel Frame, Add	782.27	
For Type 316 Stainless Steel Frame, Add	910.87	
For Baked Enamel Finish, Add	160.48	
For 18 Gauge Frame, Deduct	-42.87	
For 14 Gauge Frame, Add	107.17	
For 12 Gauge Frame, Add	162.90	
08 12 13 13-0156 EA 3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	653.28	108.97
For Auxiliary Frame Reinforcement For Hinges, Add	65.30	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	52.24	
For Type 304 Stainless Steel Frame, Add	794.49	
For Type 316 Stainless Steel Frame, Add	925.09	
For Baked Enamel Finish, Add	163.29	
For 18 Gauge Frame, Deduct	-43.53	
For 14 Gauge Frame, Add	108.83	
For 12 Gauge Frame, Add	165.43	
08 12 13 13-0157 EA 3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	694.08	114.42
For Auxiliary Frame Reinforcement For Hinges, Add	69.79	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	55.83	
For Type 304 Stainless Steel Frame, Add	848.87	
For Type 316 Stainless Steel Frame, Add	988.45	
For Baked Enamel Finish, Add	173.90	
For 18 Gauge Frame, Deduct	-46.52	
For 14 Gauge Frame, Add	116.31	
For 12 Gauge Frame, Add	176.79	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0158	EA		3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	704.98	119.87
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	69.79	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	55.83	
			<i>For Type 304 Stainless Steel Frame, Add</i>	849.42	
			<i>For Type 316 Stainless Steel Frame, Add</i>	988.99	
			<i>For Baked Enamel Finish, Add</i>	175.53	
			<i>For 18 Gauge Frame, Deduct</i>	-46.52	
			<i>For 14 Gauge Frame, Add</i>	116.31	
			<i>For 12 Gauge Frame, Add</i>	176.79	
08 12 13 13-0159	EA		4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	732.50	125.32
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	72.28	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	57.82	
			<i>For Type 304 Stainless Steel Frame, Add</i>	879.88	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,024.44	
			<i>For Baked Enamel Finish, Add</i>	182.15	
			<i>For 18 Gauge Frame, Deduct</i>	-48.19	
			<i>For 14 Gauge Frame, Add</i>	120.47	
			<i>For 12 Gauge Frame, Add</i>	183.11	
08 12 13 13-0160	EA		5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	760.01	130.77
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	74.77	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	59.82	
			<i>For Type 304 Stainless Steel Frame, Add</i>	910.32	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,059.86	
			<i>For Baked Enamel Finish, Add</i>	188.77	
			<i>For 18 Gauge Frame, Deduct</i>	-49.85	
			<i>For 14 Gauge Frame, Add</i>	124.62	
			<i>For 12 Gauge Frame, Add</i>	189.42	
08 12 13 13-0161	EA		5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	770.90	136.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	74.77	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	59.82	
			<i>For Type 304 Stainless Steel Frame, Add</i>	910.87	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,060.41	
			<i>For Baked Enamel Finish, Add</i>	190.41	
			<i>For 18 Gauge Frame, Deduct</i>	-49.85	
			<i>For 14 Gauge Frame, Add</i>	124.62	
			<i>For 12 Gauge Frame, Add</i>	189.42	
08 12 13 13-0162	EA		5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	784.66	138.94
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	76.02	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	60.81	
			<i>For Type 304 Stainless Steel Frame, Add</i>	926.10	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,078.13	
			<i>For Baked Enamel Finish, Add</i>	193.72	
			<i>For 18 Gauge Frame, Deduct</i>	-50.68	
			<i>For 14 Gauge Frame, Add</i>	126.70	
			<i>For 12 Gauge Frame, Add</i>	192.58	
08 12 13 13-0163	EA		6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	798.42	141.67
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	77.26	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	61.81	
			<i>For Type 304 Stainless Steel Frame, Add</i>	941.33	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,095.86	
			<i>For Baked Enamel Finish, Add</i>	197.03	
			<i>For 18 Gauge Frame, Deduct</i>	-51.51	
			<i>For 14 Gauge Frame, Add</i>	128.77	
			<i>For 12 Gauge Frame, Add</i>	195.73	
08 12 13 13-0164	EA		7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	837.10	144.39
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	82.25	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	65.80	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,001.42	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,165.91	
			<i>For Baked Enamel Finish, Add</i>	207.81	
			<i>For 18 Gauge Frame, Deduct</i>	-54.83	
			<i>For 14 Gauge Frame, Add</i>	137.08	
			<i>For 12 Gauge Frame, Add</i>	208.36	
08 12 13 13-0165	EA		8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	875.78	147.12
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	87.23	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	69.79	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,061.50	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,235.97	
			<i>For Baked Enamel Finish, Add</i>	218.60	
			<i>For 18 Gauge Frame, Deduct</i>	-58.16	
			<i>For 14 Gauge Frame, Add</i>	145.39	
			<i>For 12 Gauge Frame, Add</i>	220.99	

08 12 13 13-0166 Sidelights And Transoms (08 12 13 13)

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0167 Fixed Steel Transoms (08 12 13 13-0166)

Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0168 SF 4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	58.76	15.26
For Movable Frame, Add	11.75	
For 18 Gauge Frame, Deduct	-2.82	
For 14 Gauge Frame, Add	7.06	
For 12 Gauge Frame, Add	10.73	
08 12 13 13-0169 SF 5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	61.23	15.80
For Movable Frame, Add	12.25	
For 18 Gauge Frame, Deduct	-2.96	
For 14 Gauge Frame, Add	7.41	
For 12 Gauge Frame, Add	11.26	
08 12 13 13-0170 SF 6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	63.81	16.35
For Movable Frame, Add	12.76	
For 18 Gauge Frame, Deduct	-3.11	
For 14 Gauge Frame, Add	7.78	
For 12 Gauge Frame, Add	11.83	
<b>08 12 13 13-0171 Operable Steel Transom Sash (08 12 13 13-0166)</b>		
Note: Includes hardware.		
08 12 13 13-0172 SF 4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	77.84	15.26
For 18 Gauge Frame, Deduct	-4.73	
For 14 Gauge Frame, Add	11.83	
For 12 Gauge Frame, Add	17.98	
08 12 13 13-0173 SF 5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	81.29	15.80
For 18 Gauge Frame, Deduct	-4.97	
For 14 Gauge Frame, Add	12.42	
For 12 Gauge Frame, Add	18.88	
08 12 13 13-0174 SF 6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	84.86	16.35
For 18 Gauge Frame, Deduct	-5.22	
For 14 Gauge Frame, Add	13.04	
For 12 Gauge Frame, Add	19.82	
<b>08 12 13 13-0175 Sidelights, Steel Frame (08 12 13 13-0166)</b>		
Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0176 SF 4-3/4" Deep Sidelights, 16 Gauge Frame .....	60.87	15.26
For 18 Gauge Frame, Deduct	-3.04	
For 14 Gauge Frame, Add	7.59	
For 12 Gauge Frame, Add	11.53	
08 12 13 13-0177 SF 5-3/4" Deep Sidelights, 16 Gauge Frame .....	63.47	15.80
For 18 Gauge Frame, Deduct	-3.19	
For 14 Gauge Frame, Add	7.97	
For 12 Gauge Frame, Add	12.11	
08 12 13 13-0178 SF 6-3/4" Deep Sidelights, 16 Gauge Frame .....	66.14	16.35
For 18 Gauge Frame, Deduct	-3.35	
For 14 Gauge Frame, Add	8.36	
For 12 Gauge Frame, Add	12.71	
<b>08 12 13 13-0179 Sundry Hollow Metal Frame Sections (08 12 13 13)</b>		
Note: For non-rated or fire rated frame assemblies		
<b>08 12 13 13-0180 16 Gauge, Hollow Metal Frame Vertical Mullions (08 12 13 13-0179)</b>		
08 12 13 13-0181 LF 4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion .....	41.79	6.10
For 18 Gauge Frame, Deduct	-2.64	
For 14 Gauge Frame, Add	6.61	
For 12 Gauge Frame, Add	10.05	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0182 LF 4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	42.85	6.10
For 18 Gauge Frame, Deduct	-2.75	
For 14 Gauge Frame, Add	6.88	
For 12 Gauge Frame, Add	10.45	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0183 LF 5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion .....	42.23	6.32
For 18 Gauge Frame, Deduct	-2.64	
For 14 Gauge Frame, Add	6.61	
For 12 Gauge Frame, Add	10.05	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0184 LF 5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	43.87	6.32
For 18 Gauge Frame, Deduct	-2.81	
For 14 Gauge Frame, Add	7.02	
For 12 Gauge Frame, Add	10.67	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0185	LF		6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	43.89	6.43
			<i>For 18 Gauge Frame, Deduct</i>	-2.78	
			<i>For 14 Gauge Frame, Add</i>	6.94	
			<i>For 12 Gauge Frame, Add</i>	10.55	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0186	LF		6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	44.52	6.43
			<i>For 18 Gauge Frame, Deduct</i>	-2.84	
			<i>For 14 Gauge Frame, Add</i>	7.10	
			<i>For 12 Gauge Frame, Add</i>	10.78	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
<b>08 12 13 13-0187</b>			<b>16 Gauge, Hollow Metal Frame Horizontal Rails</b> (08 12 13 13-0179)		
08 12 13 13-0188	LF		4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	28.57	6.10
			<i>For 18 Gauge Frame, Deduct</i>	-1.32	
			<i>For 14 Gauge Frame, Add</i>	3.31	
			<i>For 12 Gauge Frame, Add</i>	5.02	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0189	LF		4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	29.92	6.10
			<i>For 18 Gauge Frame, Deduct</i>	-1.46	
			<i>For 14 Gauge Frame, Add</i>	3.64	
			<i>For 12 Gauge Frame, Add</i>	5.54	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0190	LF		5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	29.01	6.32
			<i>For 18 Gauge Frame, Deduct</i>	-1.32	
			<i>For 14 Gauge Frame, Add</i>	3.31	
			<i>For 12 Gauge Frame, Add</i>	5.02	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0191	LF		5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	30.36	6.32
			<i>For 18 Gauge Frame, Deduct</i>	-1.46	
			<i>For 14 Gauge Frame, Add</i>	3.64	
			<i>For 12 Gauge Frame, Add</i>	5.54	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0192	LF		6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	30.02	6.43
			<i>For 18 Gauge Frame, Deduct</i>	-1.39	
			<i>For 14 Gauge Frame, Add</i>	3.47	
			<i>For 12 Gauge Frame, Add</i>	5.27	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0193	LF		6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	31.19	6.43
			<i>For 18 Gauge Frame, Deduct</i>	-1.51	
			<i>For 14 Gauge Frame, Add</i>	3.76	
			<i>For 12 Gauge Frame, Add</i>	5.72	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
<b>08 12 13 13-0194</b>			<b>16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullions</b> (08 12 13 13-0179)		
08 12 13 13-0195	EA		4-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion .....	1,155.75	42.72
			<i>For 18 Gauge Frame, Deduct</i>	-104.90	
			<i>For 14 Gauge Frame, Add</i>	262.24	
			<i>For 12 Gauge Frame, Add</i>	398.60	
08 12 13 13-0196	EA		4-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	1,197.59	42.72
			<i>For 18 Gauge Frame, Deduct</i>	-109.08	
			<i>For 14 Gauge Frame, Add</i>	272.70	
			<i>For 12 Gauge Frame, Add</i>	414.50	
08 12 13 13-0197	EA		5-1/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion .....	1,327.88	44.68
			<i>For 18 Gauge Frame, Deduct</i>	-121.78	
			<i>For 14 Gauge Frame, Add</i>	304.45	
			<i>For 12 Gauge Frame, Add</i>	462.77	
			<i>For 3 Hour Frame, Add</i>	56.00	
			<i>For 1-1/2 Hour Frame, Add</i>	36.00	
			<i>For 3/4 Hour Frame, Add</i>	28.00	
08 12 13 13-0198	EA		5-1/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	1,365.23	44.68
			<i>For 18 Gauge Frame, Deduct</i>	-125.52	
			<i>For 14 Gauge Frame, Add</i>	313.79	
			<i>For 12 Gauge Frame, Add</i>	476.96	
			<i>For 3 Hour Frame, Add</i>	56.00	
			<i>For 1-1/2 Hour Frame, Add</i>	36.00	
			<i>For 3/4 Hour Frame, Add</i>	28.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0199 EA 6-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion .....	1,545.90	45.77
<i>For 18 Gauge Frame, Deduct</i>	-143.15	
<i>For 14 Gauge Frame, Add</i>	357.87	
<i>For 12 Gauge Frame, Add</i>	543.96	
<i>For 3 Hour Frame, Add</i>	56.00	
<i>For 1-1/2 Hour Frame, Add</i>	36.00	
<i>For 3/4 Hour Frame, Add</i>	28.00	
08 12 13 13-0200 EA 6-3/4" x 2' x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion .....	1,571.30	45.77
<i>For 18 Gauge Frame, Deduct</i>	-145.69	
<i>For 14 Gauge Frame, Add</i>	364.22	
<i>For 12 Gauge Frame, Add</i>	553.61	
<i>For 3 Hour Frame, Add</i>	56.00	
<i>For 1-1/2 Hour Frame, Add</i>	36.00	
<i>For 3/4 Hour Frame, Add</i>	28.00	
<b>08 12 13 13-0201 Metal Frames Accessories</b> <small>(08 12 13 13)</small>		
08 12 13 13-0202 EA For 1' Extension Of New Door Frame .....	47.44	
<b>08 12 16 Aluminum Frames</b> <small>(08 12)</small>		
<b>08 12 16 00-0001 Two Piece Aluminum Door Frames</b> <small>(08 12 16)</small>		
<b>08 12 16 00-0002 4-1/8" x 3/8" Two Piece Aluminum Door Frames</b> <small>(08 12 16 00-0001)</small>		
08 12 16 00-0003 EA Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head.....	2,800.45	59.93
08 12 16 00-0004 EA Two Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head.....	2,800.45	59.93
<b>08 12 16 00-0005 4-3/4" x 1-3/8" Two Piece Aluminum Door Frames</b> <small>(08 12 16 00-0001)</small>		
08 12 16 00-0006 EA Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head.....	2,800.45	59.93
08 12 16 00-0007 EA Two Piece Aluminum Door Frame Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head .....	2,800.45	59.93
<b>08 13 Metal Doors</b> <small>(08 10)</small>		
<small>Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.</small>		
<b>08 13 13 Hollow Metal Doors</b> <small>(08 13)</small>		
<b>08 13 13 13 Standard Hollow Metal Doors</b> <small>(08 13 13)</small>		
<small>Note: Hollow Metal Doors are full flush, fabricated from cold rolled steel conforming to ASTM A1008, honeycomb core, interlocking mechanical vertical edge seam, with epoxy baked-on primer. Galvanized steel doors are fabricated from a carbon steel sheet that has been coated with zinc on two sides by the continuous hot-dip process. Hollow Metal Doors are organized by the following levels: 20 Gauge, Level 1 Standard Duty; 18 Gauge, Level 2 Heavy Duty; 16 Gauge, Level 3 Extra Heavy Duty; 14 Gauge, Level 4 Maximum Duty.</small>		
<b>08 13 13 13-0001 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors</b> <small>(08 13 13 13)</small>		
<b>08 13 13 13-0002 6'-8" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors</b> <small>(08 13 13 13-0001)</small>		
08 13 13 13-0003 EA 2' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	729.23	59.93
<i>For Galvanized Steel Door, Add</i>	121.87	
<i>For Type 304 Stainless Steel Door, Add</i>	487.49	
<i>For Type 316 Stainless Steel Door, Add</i>	792.17	
<i>For Embossed Panel Door, Add</i>	146.25	
<i>For Baked Enamel Finish, Add</i>	200.79	
<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
<i>For &gt;50 To 100, Deduct</i>	-39.46	
<i>For &gt;100, Deduct</i>	-57.69	
<i>For Polystyrene Core, Add</i>	60.94	
<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	152.34	
<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	76.17	
08 13 13 13-0004 EA 2'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	729.23	59.93
<i>For Galvanized Steel Door, Add</i>	121.87	
<i>For Type 304 Stainless Steel Door, Add</i>	487.49	
<i>For Type 316 Stainless Steel Door, Add</i>	792.17	
<i>For Embossed Panel Door, Add</i>	146.25	
<i>For Baked Enamel Finish, Add</i>	200.79	
<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
<i>For &gt;50 To 100, Deduct</i>	-39.46	
<i>For &gt;100, Deduct</i>	-57.69	
<i>For Polystyrene Core, Add</i>	60.94	
<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	152.34	
<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	76.17	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 13 13 13-0005	EA 2'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	747.15	62.66
	For Galvanized Steel Door, Add	124.37	
	For Type 304 Stainless Steel Door, Add	497.46	
	For Type 316 Stainless Steel Door, Add	808.38	
	For Embossed Panel Door, Add	149.24	
	For Baked Enamel Finish, Add	205.35	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-40.49	
	For >100, Deduct	-59.17	
	For Polystyrene Core, Add	62.18	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	155.46	
	For Continuously Welded And Filled Vertical Edge Seam, Add	77.73	
08 13 13 13-0006	EA 2'-8" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	756.43	62.66
	For Galvanized Steel Door, Add	126.22	
	For Type 304 Stainless Steel Door, Add	504.89	
	For Type 316 Stainless Steel Door, Add	820.44	
	For Embossed Panel Door, Add	151.47	
	For Baked Enamel Finish, Add	208.13	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-40.95	
	For >100, Deduct	-59.87	
	For Polystyrene Core, Add	63.11	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	157.78	
	For Continuously Welded And Filled Vertical Edge Seam, Add	78.89	
08 13 13 13-0007	EA 2'-10" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	762.86	64.02
	For Galvanized Steel Door, Add	126.96	
	For Type 304 Stainless Steel Door, Add	507.86	
	For Type 316 Stainless Steel Door, Add	825.27	
	For Embossed Panel Door, Add	152.36	
	For Baked Enamel Finish, Add	209.65	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-41.34	
	For >100, Deduct	-60.42	
	For Polystyrene Core, Add	63.48	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	158.71	
	For Continuously Welded And Filled Vertical Edge Seam, Add	79.35	
08 13 13 13-0008	EA 3' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	769.30	65.38
	For Galvanized Steel Door, Add	127.71	
	For Type 304 Stainless Steel Door, Add	510.82	
	For Type 316 Stainless Steel Door, Add	830.09	
	For Embossed Panel Door, Add	153.25	
	For Baked Enamel Finish, Add	211.17	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-41.73	
	For >100, Deduct	-60.97	
	For Polystyrene Core, Add	63.85	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	159.63	
	For Continuously Welded And Filled Vertical Edge Seam, Add	79.82	
08 13 13 13-0009	EA 3'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	817.56	65.38
	For Galvanized Steel Door, Add	137.36	
	For Type 304 Stainless Steel Door, Add	549.43	
	For Type 316 Stainless Steel Door, Add	892.83	
	For Embossed Panel Door, Add	164.83	
	For Baked Enamel Finish, Add	225.65	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-44.15	
	For >100, Deduct	-64.59	
	For Polystyrene Core, Add	68.68	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	171.70	
	For Continuously Welded And Filled Vertical Edge Seam, Add	85.85	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 13 13 13-0010	EA		3'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	841.58	68.11
				<i>For Galvanized Steel Door, Add</i>	141.07	
				<i>For Type 304 Stainless Steel Door, Add</i>	564.29	
				<i>For Type 316 Stainless Steel Door, Add</i>	916.97	
				<i>For Embossed Panel Door, Add</i>	169.29	
				<i>For Baked Enamel Finish, Add</i>	232.04	
				<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
				<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
				<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
				<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
				<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-45.48	
				<i>For &gt;100, Deduct</i>	-66.52	
				<i>For Polystyrene Core, Add</i>	70.54	
				<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	176.34	
				<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	88.17	
	08 13 13 13-0011	EA		4' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	926.72	73.56
				<i>For Galvanized Steel Door, Add</i>	155.92	
				<i>For Type 304 Stainless Steel Door, Add</i>	623.68	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,013.48	
				<i>For Embossed Panel Door, Add</i>	187.10	
				<i>For Baked Enamel Finish, Add</i>	255.95	
				<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
				<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
				<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
				<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
				<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-50.01	
				<i>For &gt;100, Deduct</i>	-73.18	
				<i>For Polystyrene Core, Add</i>	77.96	
				<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	194.90	
				<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	97.45	
	08 13 13 13-0012			<b>7' High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal</b>		
				<b>Doors</b> <small>(08 13 13 13-0001)</small>		
	08 13 13 13-0013	EA		2' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	745.20	59.93
				<i>For Galvanized Steel Door, Add</i>	125.07	
				<i>For Type 304 Stainless Steel Door, Add</i>	500.26	
				<i>For Type 316 Stainless Steel Door, Add</i>	812.93	
				<i>For Embossed Panel Door, Add</i>	150.08	
				<i>For Baked Enamel Finish, Add</i>	205.58	
				<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
				<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
				<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
				<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
				<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-40.26	
				<i>For &gt;100, Deduct</i>	-58.89	
				<i>For Polystyrene Core, Add</i>	62.53	
				<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	156.33	
				<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	78.17	
	08 13 13 13-0014	EA		2'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	745.20	59.93
				<i>For Galvanized Steel Door, Add</i>	125.07	
				<i>For Type 304 Stainless Steel Door, Add</i>	500.26	
				<i>For Type 316 Stainless Steel Door, Add</i>	812.93	
				<i>For Embossed Panel Door, Add</i>	150.08	
				<i>For Baked Enamel Finish, Add</i>	205.58	
				<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
				<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
				<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
				<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
				<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-40.26	
				<i>For &gt;100, Deduct</i>	-58.89	
				<i>For Polystyrene Core, Add</i>	62.53	
				<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	156.33	
				<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	78.17	
	08 13 13 13-0015	EA		2'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	763.44	62.66
				<i>For Galvanized Steel Door, Add</i>	127.62	
				<i>For Type 304 Stainless Steel Door, Add</i>	510.50	
				<i>For Type 316 Stainless Steel Door, Add</i>	829.56	
				<i>For Embossed Panel Door, Add</i>	153.15	
				<i>For Baked Enamel Finish, Add</i>	210.23	
				<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
				<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
				<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
				<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
				<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-41.31	
				<i>For &gt;100, Deduct</i>	-60.39	
				<i>For Polystyrene Core, Add</i>	63.81	
				<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	159.53	
				<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	79.77	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0016	EA 2'-8" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	772.96	62.66
	For Galvanized Steel Door, Add	129.53	
	For Type 304 Stainless Steel Door, Add	518.11	
	For Type 316 Stainless Steel Door, Add	841.93	
	For Embossed Panel Door, Add	155.43	
	For Baked Enamel Finish, Add	213.09	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-41.78	
	For >100, Deduct	-61.11	
	For Polystyrene Core, Add	64.76	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	161.91	
	For Continuously Welded And Filled Vertical Edge Seam, Add	80.96	
08 13 13 13-0017	EA 2'-10" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	779.49	64.02
	For Galvanized Steel Door, Add	130.29	
	For Type 304 Stainless Steel Door, Add	521.16	
	For Type 316 Stainless Steel Door, Add	846.89	
	For Embossed Panel Door, Add	156.35	
	For Baked Enamel Finish, Add	214.64	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-42.18	
	For >100, Deduct	-61.66	
	For Polystyrene Core, Add	65.15	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	162.86	
	For Continuously Welded And Filled Vertical Edge Seam, Add	81.43	
08 13 13 13-0018	EA 3' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	786.03	65.38
	For Galvanized Steel Door, Add	131.05	
	For Type 304 Stainless Steel Door, Add	524.21	
	For Type 316 Stainless Steel Door, Add	851.84	
	For Embossed Panel Door, Add	157.26	
	For Baked Enamel Finish, Add	216.19	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-42.57	
	For >100, Deduct	-62.22	
	For Polystyrene Core, Add	65.53	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	163.82	
	For Continuously Welded And Filled Vertical Edge Seam, Add	81.91	
08 13 13 13-0019	EA 3'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	835.56	65.38
	For Galvanized Steel Door, Add	140.96	
	For Type 304 Stainless Steel Door, Add	563.83	
	For Type 316 Stainless Steel Door, Add	916.23	
	For Embossed Panel Door, Add	169.15	
	For Baked Enamel Finish, Add	231.05	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-45.05	
	For >100, Deduct	-65.94	
	For Polystyrene Core, Add	70.48	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	176.20	
	For Continuously Welded And Filled Vertical Edge Seam, Add	88.10	
08 13 13 13-0020	EA 3'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	860.06	68.11
	For Galvanized Steel Door, Add	144.77	
	For Type 304 Stainless Steel Door, Add	579.07	
	For Type 316 Stainless Steel Door, Add	940.99	
	For Embossed Panel Door, Add	173.72	
	For Baked Enamel Finish, Add	237.59	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-46.41	
	For >100, Deduct	-67.91	
	For Polystyrene Core, Add	72.38	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	180.96	
	For Continuously Welded And Filled Vertical Edge Seam, Add	90.48	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0021 EA 4' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	947.15	73.56
For Galvanized Steel Door, Add	160.01	
For Type 304 Stainless Steel Door, Add	640.02	
For Type 316 Stainless Steel Door, Add	1,040.04	
For Embossed Panel Door, Add	192.01	
For Baked Enamel Finish, Add	262.08	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-51.04	
For >100, Deduct	-74.71	
For Polystyrene Core, Add	80.00	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	200.01	
For Continuously Welded And Filled Vertical Edge Seam, Add	100.00	
 08 13 13 13-0022 7'-2" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0001)		
08 13 13 13-0023 EA 2' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	760.71	59.93
For Galvanized Steel Door, Add	128.17	
For Type 304 Stainless Steel Door, Add	512.67	
For Type 316 Stainless Steel Door, Add	833.09	
For Embossed Panel Door, Add	153.80	
For Baked Enamel Finish, Add	210.23	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-41.03	
For >100, Deduct	-60.05	
For Polystyrene Core, Add	64.08	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	160.21	
For Continuously Welded And Filled Vertical Edge Seam, Add	80.11	
08 13 13 13-0024 EA 2'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	760.71	59.93
For Galvanized Steel Door, Add	128.17	
For Type 304 Stainless Steel Door, Add	512.67	
For Type 316 Stainless Steel Door, Add	833.09	
For Embossed Panel Door, Add	153.80	
For Baked Enamel Finish, Add	210.23	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-41.03	
For >100, Deduct	-60.05	
For Polystyrene Core, Add	64.08	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	160.21	
For Continuously Welded And Filled Vertical Edge Seam, Add	80.11	
08 13 13 13-0025 EA 2'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	779.27	62.66
For Galvanized Steel Door, Add	130.79	
For Type 304 Stainless Steel Door, Add	523.16	
For Type 316 Stainless Steel Door, Add	850.14	
For Embossed Panel Door, Add	156.95	
For Baked Enamel Finish, Add	214.98	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-42.10	
For >100, Deduct	-61.58	
For Polystyrene Core, Add	65.40	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	163.49	
For Continuously Welded And Filled Vertical Edge Seam, Add	81.74	
08 13 13 13-0026 EA 2'-8" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	789.02	62.66
For Galvanized Steel Door, Add	132.74	
For Type 304 Stainless Steel Door, Add	530.96	
For Type 316 Stainless Steel Door, Add	862.81	
For Embossed Panel Door, Add	159.29	
For Baked Enamel Finish, Add	217.91	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-42.58	
For >100, Deduct	-62.31	
For Polystyrene Core, Add	66.37	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	165.93	
For Continuously Welded And Filled Vertical Edge Seam, Add	82.96	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 13 13 13-0027	EA 2'-10" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	795.64	64.02
	For Galvanized Steel Door, Add	133.52	
	For Type 304 Stainless Steel Door, Add	534.08	
	For Type 316 Stainless Steel Door, Add	867.88	
	For Embossed Panel Door, Add	160.22	
	For Baked Enamel Finish, Add	219.49	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-42.98	
	For >100, Deduct	-62.87	
	For Polystyrene Core, Add	66.76	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	166.90	
	For Continuously Welded And Filled Vertical Edge Seam, Add	83.45	
08 13 13 13-0028	EA 3' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	802.28	65.38
	For Galvanized Steel Door, Add	134.30	
	For Type 304 Stainless Steel Door, Add	537.21	
	For Type 316 Stainless Steel Door, Add	872.96	
	For Embossed Panel Door, Add	161.16	
	For Baked Enamel Finish, Add	221.07	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-43.38	
	For >100, Deduct	-63.44	
	For Polystyrene Core, Add	67.15	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	167.88	
	For Continuously Welded And Filled Vertical Edge Seam, Add	83.94	
08 13 13 13-0029	EA 3'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	853.04	65.38
	For Galvanized Steel Door, Add	144.45	
	For Type 304 Stainless Steel Door, Add	577.82	
	For Type 316 Stainless Steel Door, Add	938.95	
	For Embossed Panel Door, Add	173.34	
	For Baked Enamel Finish, Add	236.30	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-45.92	
	For >100, Deduct	-67.25	
	For Polystyrene Core, Add	72.23	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	180.57	
	For Continuously Welded And Filled Vertical Edge Seam, Add	90.28	
08 13 13 13-0030	EA 3'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	878.01	68.11
	For Galvanized Steel Door, Add	148.36	
	For Type 304 Stainless Steel Door, Add	593.43	
	For Type 316 Stainless Steel Door, Add	964.33	
	For Embossed Panel Door, Add	178.03	
	For Baked Enamel Finish, Add	242.97	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-47.31	
	For >100, Deduct	-69.26	
	For Polystyrene Core, Add	74.18	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	185.45	
	For Continuously Welded And Filled Vertical Edge Seam, Add	92.72	
08 13 13 13-0031	EA 4' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	966.99	73.56
	For Galvanized Steel Door, Add	163.97	
	For Type 304 Stainless Steel Door, Add	655.90	
	For Type 316 Stainless Steel Door, Add	1,065.83	
	For Embossed Panel Door, Add	196.77	
	For Baked Enamel Finish, Add	268.03	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-52.03	
	For >100, Deduct	-76.20	
	For Polystyrene Core, Add	81.99	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	204.97	
	For Continuously Welded And Filled Vertical Edge Seam, Add	102.48	

08 13 13 13-0032 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13

13)

08 13 13 13-0033 6'-8" High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal  
Doors (08 13 13 13-0032)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0034 EA 2' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	778.53	59.93
For Galvanized Steel Door, Add	131.73	
For Type 304 Stainless Steel Door, Add	526.93	
For Type 316 Stainless Steel Door, Add	856.26	
For Embossed Panel Door, Add	158.08	
For Baked Enamel Finish, Add	215.58	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-41.92	
For >100, Deduct	-61.39	
For 2" Thick Door, Add	50.75	
For Polystyrene Core, Add	65.87	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	164.67	
For Continuously Welded And Filled Vertical Edge Seam, Add	82.33	
For Steel Stiffened, Add	164.67	
08 13 13 13-0035 EA 2'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	778.53	59.93
For Galvanized Steel Door, Add	131.73	
For Type 304 Stainless Steel Door, Add	526.93	
For Type 316 Stainless Steel Door, Add	856.26	
For Embossed Panel Door, Add	158.08	
For Baked Enamel Finish, Add	215.58	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-41.92	
For >100, Deduct	-61.39	
For 2" Thick Door, Add	50.75	
For Polystyrene Core, Add	65.87	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	164.67	
For Continuously Welded And Filled Vertical Edge Seam, Add	82.33	
For Steel Stiffened, Add	164.67	
08 13 13 13-0036 EA 2'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	797.45	62.66
For Galvanized Steel Door, Add	134.43	
For Type 304 Stainless Steel Door, Add	537.70	
For Type 316 Stainless Steel Door, Add	873.77	
For Embossed Panel Door, Add	161.31	
For Baked Enamel Finish, Add	220.44	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-43.01	
For >100, Deduct	-62.94	
For 2" Thick Door, Add	51.86	
For Polystyrene Core, Add	67.21	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	168.03	
For Continuously Welded And Filled Vertical Edge Seam, Add	84.02	
For Steel Stiffened, Add	168.03	
08 13 13 13-0037 EA 2'-8" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	807.48	62.66
For Galvanized Steel Door, Add	136.43	
For Type 304 Stainless Steel Door, Add	545.73	
For Type 316 Stainless Steel Door, Add	886.81	
For Embossed Panel Door, Add	163.72	
For Baked Enamel Finish, Add	223.45	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-43.51	
For >100, Deduct	-63.69	
For 2" Thick Door, Add	52.59	
For Polystyrene Core, Add	68.22	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	170.54	
For Continuously Welded And Filled Vertical Edge Seam, Add	85.27	
For Steel Stiffened, Add	170.54	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 13 13 13-0038	EA	2'-10" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	814.20	64.02
		<i>For Galvanized Steel Door, Add</i>	137.23	
		<i>For Type 304 Stainless Steel Door, Add</i>	548.93	
		<i>For Type 316 Stainless Steel Door, Add</i>	892.01	
		<i>For Embossed Panel Door, Add</i>	164.68	
		<i>For Baked Enamel Finish, Add</i>	225.05	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-43.91	
		<i>For &gt;100, Deduct</i>	-64.27	
		<i>For 2" Thick Door, Add</i>	52.95	
		<i>For Polystyrene Core, Add</i>	68.62	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	171.54	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	85.77	
		<i>For Steel Stiffened, Add</i>	171.54	
08 13 13 13-0039	EA	3' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	820.96	65.38
		<i>For Galvanized Steel Door, Add</i>	138.04	
		<i>For Type 304 Stainless Steel Door, Add</i>	552.15	
		<i>For Type 316 Stainless Steel Door, Add</i>	897.25	
		<i>For Embossed Panel Door, Add</i>	165.65	
		<i>For Baked Enamel Finish, Add</i>	226.67	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-44.32	
		<i>For &gt;100, Deduct</i>	-64.84	
		<i>For 2" Thick Door, Add</i>	53.31	
		<i>For Polystyrene Core, Add</i>	69.02	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	172.55	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	86.27	
		<i>For Steel Stiffened, Add</i>	172.55	
08 13 13 13-0040	EA	3'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	873.13	65.38
		<i>For Galvanized Steel Door, Add</i>	148.47	
		<i>For Type 304 Stainless Steel Door, Add</i>	593.89	
		<i>For Type 316 Stainless Steel Door, Add</i>	965.07	
		<i>For Embossed Panel Door, Add</i>	178.17	
		<i>For Baked Enamel Finish, Add</i>	242.32	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-46.93	
		<i>For &gt;100, Deduct</i>	-68.75	
		<i>For 2" Thick Door, Add</i>	57.09	
		<i>For Polystyrene Core, Add</i>	74.24	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	185.59	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	92.80	
		<i>For Steel Stiffened, Add</i>	185.59	
08 13 13 13-0041	EA	3'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	898.64	68.11
		<i>For Galvanized Steel Door, Add</i>	152.48	
		<i>For Type 304 Stainless Steel Door, Add</i>	609.94	
		<i>For Type 316 Stainless Steel Door, Add</i>	991.15	
		<i>For Embossed Panel Door, Add</i>	182.98	
		<i>For Baked Enamel Finish, Add</i>	249.16	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-48.34	
		<i>For &gt;100, Deduct</i>	-70.80	
		<i>For 2" Thick Door, Add</i>	58.68	
		<i>For Polystyrene Core, Add</i>	76.24	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	190.61	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	95.30	
		<i>For Steel Stiffened, Add</i>	190.61	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0042 EA 4' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	989.79	73.56
For Galvanized Steel Door, Add	168.53	
For Type 304 Stainless Steel Door, Add	674.14	
For Type 316 Stainless Steel Door, Add	1,095.47	
For Embossed Panel Door, Add	202.24	
For Baked Enamel Finish, Add	274.87	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-53.17	
For >100, Deduct	-77.91	
For 2" Thick Door, Add	64.77	
For Polystyrene Core, Add	84.27	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	210.67	
For Continuously Welded And Filled Vertical Edge Seam, Add	105.33	
For Steel Stiffened, Add	210.67	
<b>08 13 13 13-0043 7' High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0032)</b>		
08 13 13 13-0044 EA 2' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	794.17	59.93
For Galvanized Steel Door, Add	134.86	
For Type 304 Stainless Steel Door, Add	539.44	
For Type 316 Stainless Steel Door, Add	876.59	
For Embossed Panel Door, Add	161.83	
For Baked Enamel Finish, Add	220.27	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-42.71	
For >100, Deduct	-62.56	
For 2" Thick Door, Add	51.88	
For Polystyrene Core, Add	67.43	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	168.58	
For Continuously Welded And Filled Vertical Edge Seam, Add	84.29	
For Steel Stiffened, Add	168.58	
08 13 13 13-0045 EA 2'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	794.17	59.93
For Galvanized Steel Door, Add	134.86	
For Type 304 Stainless Steel Door, Add	539.44	
For Type 316 Stainless Steel Door, Add	876.59	
For Embossed Panel Door, Add	161.83	
For Baked Enamel Finish, Add	220.27	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-42.71	
For >100, Deduct	-62.56	
For 2" Thick Door, Add	51.88	
For Polystyrene Core, Add	67.43	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	168.58	
For Continuously Welded And Filled Vertical Edge Seam, Add	84.29	
For Steel Stiffened, Add	168.58	
08 13 13 13-0046 EA 2'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	813.41	62.66
For Galvanized Steel Door, Add	137.62	
For Type 304 Stainless Steel Door, Add	550.47	
For Type 316 Stainless Steel Door, Add	894.52	
For Embossed Panel Door, Add	165.14	
For Baked Enamel Finish, Add	225.23	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-43.80	
For >100, Deduct	-64.14	
For 2" Thick Door, Add	53.02	
For Polystyrene Core, Add	68.81	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	172.02	
For Continuously Welded And Filled Vertical Edge Seam, Add	86.01	
For Steel Stiffened, Add	172.02	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 0047	EA 2'-8" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	823.67	62.66
	For Galvanized Steel Door, Add	139.67	
	For Type 304 Stainless Steel Door, Add	558.68	
	For Type 316 Stainless Steel Door, Add	907.86	
	For Embossed Panel Door, Add	167.60	
	For Baked Enamel Finish, Add	228.30	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-44.32	
	For >100, Deduct	-64.91	
	For 2" Thick Door, Add	53.76	
	For Polystyrene Core, Add	69.84	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	174.59	
	For Continuously Welded And Filled Vertical Edge Seam, Add	87.29	
	For Steel Stiffened, Add	174.59	
08 13 13 0048	EA 2'-10" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	830.50	64.02
	For Galvanized Steel Door, Add	140.49	
	For Type 304 Stainless Steel Door, Add	561.97	
	For Type 316 Stainless Steel Door, Add	913.20	
	For Embossed Panel Door, Add	168.59	
	For Baked Enamel Finish, Add	229.94	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-44.73	
	For >100, Deduct	-65.49	
	For 2" Thick Door, Add	54.13	
	For Polystyrene Core, Add	70.25	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	175.62	
	For Continuously Welded And Filled Vertical Edge Seam, Add	87.81	
	For Steel Stiffened, Add	175.62	
08 13 13 0049	EA 3' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	837.34	65.38
	For Galvanized Steel Door, Add	141.31	
	For Type 304 Stainless Steel Door, Add	565.26	
	For Type 316 Stainless Steel Door, Add	918.54	
	For Embossed Panel Door, Add	169.58	
	For Baked Enamel Finish, Add	231.59	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-45.14	
	For >100, Deduct	-66.07	
	For 2" Thick Door, Add	54.50	
	For Polystyrene Core, Add	70.66	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	176.64	
	For Continuously Welded And Filled Vertical Edge Seam, Add	88.32	
	For Steel Stiffened, Add	176.64	
08 13 13 0050	EA 3'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	890.74	65.38
	For Galvanized Steel Door, Add	151.99	
	For Type 304 Stainless Steel Door, Add	607.98	
	For Type 316 Stainless Steel Door, Add	987.96	
	For Embossed Panel Door, Add	182.39	
	For Baked Enamel Finish, Add	247.61	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-47.81	
	For >100, Deduct	-70.07	
	For 2" Thick Door, Add	58.37	
	For Polystyrene Core, Add	76.00	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	189.99	
	For Continuously Welded And Filled Vertical Edge Seam, Add	95.00	
	For Steel Stiffened, Add	189.99	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0051 EA 3'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	916.73	68.11
<i>For Galvanized Steel Door, Add</i>	156.10	
<i>For Type 304 Stainless Steel Door, Add</i>	624.41	
<i>For Type 316 Stainless Steel Door, Add</i>	1,014.66	
<i>For Embossed Panel Door, Add</i>	187.32	
<i>For Baked Enamel Finish, Add</i>	254.59	
<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
<i>For &gt;50 To 100, Deduct</i>	-49.24	
<i>For &gt;100, Deduct</i>	-72.16	
<i>For 2" Thick Door, Add</i>	59.99	
<i>For Polystyrene Core, Add</i>	78.05	
<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	195.13	
<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	97.56	
<i>For Steel Stiffened, Add</i>	195.13	
08 13 13 13-0052 EA 4' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,009.79	73.56
<i>For Galvanized Steel Door, Add</i>	172.53	
<i>For Type 304 Stainless Steel Door, Add</i>	690.14	
<i>For Type 316 Stainless Steel Door, Add</i>	1,121.47	
<i>For Embossed Panel Door, Add</i>	207.04	
<i>For Baked Enamel Finish, Add</i>	280.87	
<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
<i>For &gt;50 To 100, Deduct</i>	-54.17	
<i>For &gt;100, Deduct</i>	-79.41	
<i>For 2" Thick Door, Add</i>	66.22	
<i>For Polystyrene Core, Add</i>	86.27	
<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	215.67	
<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	107.83	
<i>For Steel Stiffened, Add</i>	215.67	
08 13 13 13-0053 7'-2" High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0032)</small>		
08 13 13 13-0054 EA 2' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	809.80	59.93
<i>For Galvanized Steel Door, Add</i>	137.99	
<i>For Type 304 Stainless Steel Door, Add</i>	551.94	
<i>For Type 316 Stainless Steel Door, Add</i>	896.91	
<i>For Embossed Panel Door, Add</i>	165.58	
<i>For Baked Enamel Finish, Add</i>	224.96	
<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
<i>For &gt;50 To 100, Deduct</i>	-43.49	
<i>For &gt;100, Deduct</i>	-63.73	
<i>For 2" Thick Door, Add</i>	53.02	
<i>For Polystyrene Core, Add</i>	68.99	
<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	172.48	
<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	86.24	
<i>For Steel Stiffened, Add</i>	172.48	
08 13 13 13-0055 EA 2'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	809.80	59.93
<i>For Galvanized Steel Door, Add</i>	137.99	
<i>For Type 304 Stainless Steel Door, Add</i>	551.94	
<i>For Type 316 Stainless Steel Door, Add</i>	896.91	
<i>For Embossed Panel Door, Add</i>	165.58	
<i>For Baked Enamel Finish, Add</i>	224.96	
<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
<i>For &gt;50 To 100, Deduct</i>	-43.49	
<i>For &gt;100, Deduct</i>	-63.73	
<i>For 2" Thick Door, Add</i>	53.02	
<i>For Polystyrene Core, Add</i>	68.99	
<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	172.48	
<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	86.24	
<i>For Steel Stiffened, Add</i>	172.48	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0056	EA 2'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	829.36	62.66
	For Galvanized Steel Door, Add	140.81	
	For Type 304 Stainless Steel Door, Add	563.23	
	For Type 316 Stainless Steel Door, Add	915.25	
	For Embossed Panel Door, Add	168.97	
	For Baked Enamel Finish, Add	230.01	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-44.60	
	For >100, Deduct	-65.34	
	For 2" Thick Door, Add	54.18	
	For Polystyrene Core, Add	70.40	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	176.01	
	For Continuously Welded And Filled Vertical Edge Seam, Add	88.01	
	For Steel Stiffened, Add	176.01	
08 13 13 13-0057	EA 2'-8" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	839.86	62.66
	For Galvanized Steel Door, Add	142.91	
	For Type 304 Stainless Steel Door, Add	571.63	
	For Type 316 Stainless Steel Door, Add	928.90	
	For Embossed Panel Door, Add	171.49	
	For Baked Enamel Finish, Add	233.16	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-45.13	
	For >100, Deduct	-66.12	
	For 2" Thick Door, Add	54.94	
	For Polystyrene Core, Add	71.45	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	178.64	
	For Continuously Welded And Filled Vertical Edge Seam, Add	89.32	
	For Steel Stiffened, Add	178.64	
08 13 13 13-0058	EA 3' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	853.72	65.38
	For Galvanized Steel Door, Add	144.59	
	For Type 304 Stainless Steel Door, Add	578.36	
	For Type 316 Stainless Steel Door, Add	939.84	
	For Embossed Panel Door, Add	173.51	
	For Baked Enamel Finish, Add	236.50	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-45.96	
	For >100, Deduct	-67.30	
	For 2" Thick Door, Add	55.68	
	For Polystyrene Core, Add	72.30	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	180.74	
	For Continuously Welded And Filled Vertical Edge Seam, Add	90.37	
	For Steel Stiffened, Add	180.74	
08 13 13 13-0059	EA 3'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	908.36	65.38
	For Galvanized Steel Door, Add	155.52	
	For Type 304 Stainless Steel Door, Add	622.07	
	For Type 316 Stainless Steel Door, Add	1,010.87	
	For Embossed Panel Door, Add	186.62	
	For Baked Enamel Finish, Add	252.89	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-48.69	
	For >100, Deduct	-71.40	
	For 2" Thick Door, Add	59.64	
	For Polystyrene Core, Add	77.76	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	194.40	
	For Continuously Welded And Filled Vertical Edge Seam, Add	97.20	
	For Steel Stiffened, Add	194.40	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 13 13	13-0060	EA	3'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	934.83	68.11
				<i>For Galvanized Steel Door, Add</i>	159.72	
				<i>For Type 304 Stainless Steel Door, Add</i>	638.89	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,038.19	
				<i>For Embossed Panel Door, Add</i>	191.67	
				<i>For Baked Enamel Finish, Add</i>	260.02	
				<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
				<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
				<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
				<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
				<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-50.15	
				<i>For &gt;100, Deduct</i>	-73.52	
				<i>For 2" Thick Door, Add</i>	61.30	
				<i>For Polystyrene Core, Add</i>	79.86	
				<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	199.65	
				<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	99.83	
				<i>For Steel Stiffened, Add</i>	199.65	
	08 13 13	13-0061	EA	4' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,029.79	73.56
				<i>For Galvanized Steel Door, Add</i>	176.53	
				<i>For Type 304 Stainless Steel Door, Add</i>	706.14	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,147.47	
				<i>For Embossed Panel Door, Add</i>	211.84	
				<i>For Baked Enamel Finish, Add</i>	286.87	
				<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
				<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
				<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
				<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
				<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-55.17	
				<i>For &gt;100, Deduct</i>	-80.91	
				<i>For 2" Thick Door, Add</i>	67.67	
				<i>For Polystyrene Core, Add</i>	88.27	
				<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	220.67	
				<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	110.33	
				<i>For Steel Stiffened, Add</i>	220.67	
	08 13 13	13-0062		<b>8' High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors</b> <small>(08 13 13 13-0062)</small>		
	08 13 13	13-0063	EA	2' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	938.74	59.93
				<i>For Up To 1' Extra Height, Add</i>	226.58	
				<i>For 1' To 1'-6" Extra Height, Add</i>	432.28	
				<i>For Galvanized Steel Door, Add</i>	163.77	
				<i>For Type 304 Stainless Steel Door, Add</i>	655.10	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,064.53	
				<i>For Embossed Panel Door, Add</i>	196.53	
				<i>For Baked Enamel Finish, Add</i>	263.64	
				<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
				<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
				<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
				<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
				<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-49.93	
				<i>For &gt;100, Deduct</i>	-73.40	
				<i>For 2" Thick Door, Add</i>	62.36	
				<i>For Polystyrene Core, Add</i>	81.89	
				<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	204.72	
				<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	102.36	
				<i>For Steel Stiffened, Add</i>	204.72	
	08 13 13	13-0064	EA	2'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	938.74	59.93
				<i>For Up To 1' Extra Height, Add</i>	226.58	
				<i>For 1' To 1'-6" Extra Height, Add</i>	432.28	
				<i>For Galvanized Steel Door, Add</i>	163.77	
				<i>For Type 304 Stainless Steel Door, Add</i>	655.10	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,064.53	
				<i>For Embossed Panel Door, Add</i>	196.53	
				<i>For Baked Enamel Finish, Add</i>	263.64	
				<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
				<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
				<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
				<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
				<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-49.93	
				<i>For &gt;100, Deduct</i>	-73.40	
				<i>For 2" Thick Door, Add</i>	62.36	
				<i>For Polystyrene Core, Add</i>	81.89	
				<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	204.72	
				<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	102.36	
				<i>For Steel Stiffened, Add</i>	204.72	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 13 13 13-0065	EA	2'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	960.94	62.66
		For Up To 1' Extra Height, Add	231.22	
		For 1' To 1'-6" Extra Height, Add	441.12	
		For Galvanized Steel Door, Add	167.12	
		For Type 304 Stainless Steel Door, Add	668.50	
		For Type 316 Stainless Steel Door, Add	1,086.31	
		For Embossed Panel Door, Add	200.55	
		For Baked Enamel Finish, Add	269.48	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-51.18	
		For >100, Deduct	-75.20	
		For 2" Thick Door, Add	63.72	
		For Polystyrene Core, Add	83.56	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	208.91	
		For Continuously Welded And Filled Vertical Edge Seam, Add	104.45	
		For Steel Stiffened, Add	208.91	
08 13 13 13-0066	EA	2'-8" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	973.41	62.66
		For Up To 1' Extra Height, Add	234.67	
		For 1' To 1'-6" Extra Height, Add	447.71	
		For Galvanized Steel Door, Add	169.62	
		For Type 304 Stainless Steel Door, Add	678.47	
		For Type 316 Stainless Steel Door, Add	1,102.52	
		For Embossed Panel Door, Add	203.54	
		For Baked Enamel Finish, Add	273.23	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-51.80	
		For >100, Deduct	-76.14	
		For 2" Thick Door, Add	64.62	
		For Polystyrene Core, Add	84.81	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	212.02	
		For Continuously Welded And Filled Vertical Edge Seam, Add	106.01	
		For Steel Stiffened, Add	212.02	
08 13 13 13-0067	EA	2'-10" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	981.11	64.02
		For Up To 1' Extra Height, Add	236.04	
		For 1' To 1'-6" Extra Height, Add	450.34	
		For Galvanized Steel Door, Add	170.61	
		For Type 304 Stainless Steel Door, Add	682.46	
		For Type 316 Stainless Steel Door, Add	1,108.99	
		For Embossed Panel Door, Add	204.74	
		For Baked Enamel Finish, Add	275.13	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-52.26	
		For >100, Deduct	-76.78	
		For 2" Thick Door, Add	65.05	
		For Polystyrene Core, Add	85.31	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	213.27	
		For Continuously Welded And Filled Vertical Edge Seam, Add	106.63	
		For Steel Stiffened, Add	213.27	
08 13 13 13-0068	EA	3' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	988.83	65.38
		For Up To 1' Extra Height, Add	237.43	
		For 1' To 1'-6" Extra Height, Add	452.97	
		For Galvanized Steel Door, Add	171.61	
		For Type 304 Stainless Steel Door, Add	686.45	
		For Type 316 Stainless Steel Door, Add	1,115.48	
		For Embossed Panel Door, Add	205.93	
		For Baked Enamel Finish, Add	277.03	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-52.71	
		For >100, Deduct	-77.43	
		For 2" Thick Door, Add	65.48	
		For Polystyrene Core, Add	85.81	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	214.52	
		For Continuously Welded And Filled Vertical Edge Seam, Add	107.26	
		For Steel Stiffened, Add	214.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0069 EA 3'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,053.69	65.38
For Up To 1' Extra Height, Add	255.37	
For 1' To 1'-6" Extra Height, Add	487.21	
For Galvanized Steel Door, Add	184.58	
For Type 304 Stainless Steel Door, Add	738.34	
For Type 316 Stainless Steel Door, Add	1,199.80	
For Embossed Panel Door, Add	221.50	
For Baked Enamel Finish, Add	296.49	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-55.95	
For >100, Deduct	-82.30	
For 2" Thick Door, Add	70.18	
For Polystyrene Core, Add	92.29	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	230.73	
For Continuously Welded And Filled Vertical Edge Seam, Add	115.37	
For Steel Stiffened, Add	230.73	
08 13 13 13-0070 EA 3'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,084.09	68.11
For Up To 1' Extra Height, Add	262.28	
For 1' To 1'-6" Extra Height, Add	500.38	
For Galvanized Steel Door, Add	189.57	
For Type 304 Stainless Steel Door, Add	758.30	
For Type 316 Stainless Steel Door, Add	1,232.23	
For Embossed Panel Door, Add	227.49	
For Baked Enamel Finish, Add	304.79	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-57.61	
For >100, Deduct	-84.71	
For 2" Thick Door, Add	72.13	
For Polystyrene Core, Add	94.79	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	236.97	
For Continuously Welded And Filled Vertical Edge Seam, Add	118.48	
For Steel Stiffened, Add	236.97	
08 13 13 13-0071 EA 4' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,194.76	73.56
For Up To 1' Extra Height, Add	289.88	
For 1' To 1'-6" Extra Height, Add	553.05	
For Galvanized Steel Door, Add	209.53	
For Type 304 Stainless Steel Door, Add	838.11	
For Type 316 Stainless Steel Door, Add	1,361.93	
For Embossed Panel Door, Add	251.43	
For Baked Enamel Finish, Add	336.36	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-63.42	
For >100, Deduct	-93.29	
For 2" Thick Door, Add	79.63	
For Polystyrene Core, Add	104.76	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	261.91	
For Continuously Welded And Filled Vertical Edge Seam, Add	130.96	
For Steel Stiffened, Add	261.91	
08 13 13 13-0072 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13)</small>		
08 13 13 13-0073 6'-8" High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0072)</small>		
08 13 13 13-0074 EA 2' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,032.12	59.93
For 14 Gauge, Level 4 Maximum Duty, Add	364.90	
For Galvanized Steel Door, Add	182.45	
For Type 304 Stainless Steel Door, Add	729.80	
For Type 316 Stainless Steel Door, Add	1,185.93	
For Embossed Panel Door, Add	218.94	
For Baked Enamel Finish, Add	291.66	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-54.60	
For >100, Deduct	-80.41	
For 2" Thick Door, Add	69.13	
For Polystyrene Core, Add	91.23	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	228.06	
For Continuously Welded And Filled Vertical Edge Seam, Add	114.03	
For Steel Stiffened, Add	228.06	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 13 13 13-0075	EA 2'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,032.12	59.93
	For 14 Gauge, Level 4 Maximum Duty, Add	364.90	
	For Galvanized Steel Door, Add	182.45	
	For Type 304 Stainless Steel Door, Add	729.80	
	For Type 316 Stainless Steel Door, Add	1,185.93	
	For Embossed Panel Door, Add	218.94	
	For Baked Enamel Finish, Add	291.66	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-54.60	
	For >100, Deduct	-80.41	
	For 2" Thick Door, Add	69.13	
	For Polystyrene Core, Add	91.23	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	228.06	
	For Continuously Welded And Filled Vertical Edge Seam, Add	114.03	
	For Steel Stiffened, Add	228.06	
08 13 13 13-0076	EA 2'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,056.23	62.66
	For 14 Gauge, Level 4 Maximum Duty, Add	372.36	
	For Galvanized Steel Door, Add	186.18	
	For Type 304 Stainless Steel Door, Add	744.73	
	For Type 316 Stainless Steel Door, Add	1,210.18	
	For Embossed Panel Door, Add	223.42	
	For Baked Enamel Finish, Add	298.07	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-55.94	
	For >100, Deduct	-82.35	
	For 2" Thick Door, Add	70.62	
	For Polystyrene Core, Add	93.09	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	232.73	
	For Continuously Welded And Filled Vertical Edge Seam, Add	116.36	
	For Steel Stiffened, Add	232.73	
08 13 13 13-0077	EA 2'-8" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,070.12	62.66
	For 14 Gauge, Level 4 Maximum Duty, Add	377.92	
	For Galvanized Steel Door, Add	188.96	
	For Type 304 Stainless Steel Door, Add	755.84	
	For Type 316 Stainless Steel Door, Add	1,228.24	
	For Embossed Panel Door, Add	226.75	
	For Baked Enamel Finish, Add	302.24	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-56.64	
	For >100, Deduct	-83.39	
	For 2" Thick Door, Add	71.63	
	For Polystyrene Core, Add	94.48	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	236.20	
	For Continuously Welded And Filled Vertical Edge Seam, Add	118.10	
	For Steel Stiffened, Add	236.20	
08 13 13 13-0078	EA 2'-10" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,078.41	64.02
	For 14 Gauge, Level 4 Maximum Duty, Add	380.15	
	For Galvanized Steel Door, Add	190.07	
	For Type 304 Stainless Steel Door, Add	760.30	
	For Type 316 Stainless Steel Door, Add	1,235.48	
	For Embossed Panel Door, Add	228.09	
	For Baked Enamel Finish, Add	304.32	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-57.12	
	For >100, Deduct	-84.08	
	For 2" Thick Door, Add	72.10	
	For Polystyrene Core, Add	95.04	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	237.59	
	For Continuously Welded And Filled Vertical Edge Seam, Add	118.80	
	For Steel Stiffened, Add	237.59	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0079 EA 3' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,086.68	65.38
For 14 Gauge, Level 4 Maximum Duty, Add	382.36	
For Galvanized Steel Door, Add	191.18	
For Type 304 Stainless Steel Door, Add	764.73	
For Type 316 Stainless Steel Door, Add	1,242.68	
For Embossed Panel Door, Add	229.42	
For Baked Enamel Finish, Add	306.39	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-57.60	
For >100, Deduct	-84.77	
For 2" Thick Door, Add	72.57	
For Polystyrene Core, Add	95.59	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	238.98	
For Continuously Welded And Filled Vertical Edge Seam, Add	119.49	
For Steel Stiffened, Add	238.98	
08 13 13 13-0080 EA 3'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,158.94	65.38
For 14 Gauge, Level 4 Maximum Duty, Add	411.27	
For Galvanized Steel Door, Add	205.63	
For Type 304 Stainless Steel Door, Add	822.54	
For Type 316 Stainless Steel Door, Add	1,336.62	
For Embossed Panel Door, Add	246.76	
For Baked Enamel Finish, Add	328.07	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-61.22	
For >100, Deduct	-90.19	
For 2" Thick Door, Add	77.81	
For Polystyrene Core, Add	102.82	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	257.04	
For Continuously Welded And Filled Vertical Edge Seam, Add	128.52	
For Steel Stiffened, Add	257.04	
08 13 13 13-0081 EA 3'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,192.17	68.11
For 14 Gauge, Level 4 Maximum Duty, Add	422.38	
For Galvanized Steel Door, Add	211.19	
For Type 304 Stainless Steel Door, Add	844.76	
For Type 316 Stainless Steel Door, Add	1,372.74	
For Embossed Panel Door, Add	253.43	
For Baked Enamel Finish, Add	337.22	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-63.01	
For >100, Deduct	-92.82	
For 2" Thick Door, Add	79.96	
For Polystyrene Core, Add	105.60	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	263.99	
For Continuously Welded And Filled Vertical Edge Seam, Add	131.99	
For Steel Stiffened, Add	263.99	
08 13 13 13-0082 EA 4' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,314.22	73.56
For 14 Gauge, Level 4 Maximum Duty, Add	466.84	
For Galvanized Steel Door, Add	233.42	
For Type 304 Stainless Steel Door, Add	933.68	
For Type 316 Stainless Steel Door, Add	1,517.23	
For Embossed Panel Door, Add	280.10	
For Baked Enamel Finish, Add	372.20	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-69.39	
For >100, Deduct	-102.24	
For 2" Thick Door, Add	88.29	
For Polystyrene Core, Add	116.71	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	291.78	
For Continuously Welded And Filled Vertical Edge Seam, Add	145.89	
For Steel Stiffened, Add	291.78	
08 13 13 13-0083 7' High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0072)		

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 13 13 13-0084	EA 2' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,053.77	59.93
	<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	373.56	
	<i>For Galvanized Steel Door, Add</i>	186.78	
	<i>For Type 304 Stainless Steel Door, Add</i>	747.12	
	<i>For Type 316 Stainless Steel Door, Add</i>	1,214.07	
	<i>For Embossed Panel Door, Add</i>	224.14	
	<i>For Baked Enamel Finish, Add</i>	298.15	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For &gt;50 To 100, Deduct</i>	-55.69	
	<i>For &gt;100, Deduct</i>	-82.03	
	<i>For 2" Thick Door, Add</i>	70.70	
	<i>For Polystyrene Core, Add</i>	93.39	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	233.48	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	116.74	
	<i>For Steel Stiffened, Add</i>	233.48	
08 13 13 13-0085	EA 2'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,053.77	59.93
	<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	373.56	
	<i>For Galvanized Steel Door, Add</i>	186.78	
	<i>For Type 304 Stainless Steel Door, Add</i>	747.12	
	<i>For Type 316 Stainless Steel Door, Add</i>	1,214.07	
	<i>For Embossed Panel Door, Add</i>	224.14	
	<i>For Baked Enamel Finish, Add</i>	298.15	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For &gt;50 To 100, Deduct</i>	-55.69	
	<i>For &gt;100, Deduct</i>	-82.03	
	<i>For 2" Thick Door, Add</i>	70.70	
	<i>For Polystyrene Core, Add</i>	93.39	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	233.48	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	116.74	
	<i>For Steel Stiffened, Add</i>	233.48	
08 13 13 13-0086	EA 2'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,078.32	62.66
	<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	381.20	
	<i>For Galvanized Steel Door, Add</i>	190.60	
	<i>For Type 304 Stainless Steel Door, Add</i>	762.40	
	<i>For Type 316 Stainless Steel Door, Add</i>	1,238.90	
	<i>For Embossed Panel Door, Add</i>	228.72	
	<i>For Baked Enamel Finish, Add</i>	304.70	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For &gt;50 To 100, Deduct</i>	-57.05	
	<i>For &gt;100, Deduct</i>	-84.01	
	<i>For 2" Thick Door, Add</i>	72.23	
	<i>For Polystyrene Core, Add</i>	95.30	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	238.25	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	119.13	
	<i>For Steel Stiffened, Add</i>	238.25	
08 13 13 13-0087	EA 2'-8" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,092.54	62.66
	<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	386.89	
	<i>For Galvanized Steel Door, Add</i>	193.44	
	<i>For Type 304 Stainless Steel Door, Add</i>	773.78	
	<i>For Type 316 Stainless Steel Door, Add</i>	1,257.39	
	<i>For Embossed Panel Door, Add</i>	232.13	
	<i>For Baked Enamel Finish, Add</i>	308.96	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For &gt;50 To 100, Deduct</i>	-57.76	
	<i>For &gt;100, Deduct</i>	-85.07	
	<i>For 2" Thick Door, Add</i>	73.26	
	<i>For Polystyrene Core, Add</i>	96.72	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	241.81	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	120.90	
	<i>For Steel Stiffened, Add</i>	241.81	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0088	EA			2'-10" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door ..... 1,100.95		64.02
				<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	389.16	
				<i>For Galvanized Steel Door, Add</i>	194.58	
				<i>For Type 304 Stainless Steel Door, Add</i>	778.33	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,264.78	
				<i>For Embossed Panel Door, Add</i>	233.50	
				<i>For Baked Enamel Finish, Add</i>	311.08	
				<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
				<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
				<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
				<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
				<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-58.25	
				<i>For &gt;100, Deduct</i>	-85.77	
				<i>For 2" Thick Door, Add</i>	73.74	
				<i>For Polystyrene Core, Add</i>	97.29	
				<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	243.23	
				<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	121.61	
				<i>For Steel Stiffened, Add</i>	243.23	
08 13 13 13-0089	EA			3' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door ..... 1,109.37		65.38
				<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	391.44	
				<i>For Galvanized Steel Door, Add</i>	195.72	
				<i>For Type 304 Stainless Steel Door, Add</i>	782.88	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,272.18	
				<i>For Embossed Panel Door, Add</i>	234.86	
				<i>For Baked Enamel Finish, Add</i>	313.20	
				<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
				<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
				<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
				<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
				<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-58.74	
				<i>For &gt;100, Deduct</i>	-86.47	
				<i>For 2" Thick Door, Add</i>	74.22	
				<i>For Polystyrene Core, Add</i>	97.86	
				<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	244.65	
				<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	122.33	
				<i>For Steel Stiffened, Add</i>	244.65	
08 13 13 13-0090	EA			3'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door ..... 1,183.33		65.38
				<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	421.02	
				<i>For Galvanized Steel Door, Add</i>	210.51	
				<i>For Type 304 Stainless Steel Door, Add</i>	842.05	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,368.33	
				<i>For Embossed Panel Door, Add</i>	252.61	
				<i>For Baked Enamel Finish, Add</i>	335.38	
				<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
				<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
				<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
				<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
				<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-62.44	
				<i>For &gt;100, Deduct</i>	-92.02	
				<i>For 2" Thick Door, Add</i>	79.58	
				<i>For Polystyrene Core, Add</i>	105.26	
				<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	263.14	
				<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	131.57	
				<i>For Steel Stiffened, Add</i>	263.14	
08 13 13 13-0091	EA			3'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door ..... 1,217.23		68.11
				<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	432.40	
				<i>For Galvanized Steel Door, Add</i>	216.20	
				<i>For Type 304 Stainless Steel Door, Add</i>	864.81	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,405.31	
				<i>For Embossed Panel Door, Add</i>	259.44	
				<i>For Baked Enamel Finish, Add</i>	344.74	
				<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
				<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
				<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
				<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
				<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-64.27	
				<i>For &gt;100, Deduct</i>	-94.70	
				<i>For 2" Thick Door, Add</i>	81.78	
				<i>For Polystyrene Core, Add</i>	108.10	
				<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	270.25	
				<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	135.13	
				<i>For Steel Stiffened, Add</i>	270.25	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 13 13 13-0092	EA 4' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,341.92	73.56
	<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	477.92	
	<i>For Galvanized Steel Door, Add</i>	238.96	
	<i>For Type 304 Stainless Steel Door, Add</i>	955.84	
	<i>For Type 316 Stainless Steel Door, Add</i>	1,553.24	
	<i>For Embossed Panel Door, Add</i>	286.75	
	<i>For Baked Enamel Finish, Add</i>	380.51	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For &gt;50 To 100, Deduct</i>	-70.77	
	<i>For &gt;100, Deduct</i>	-104.32	
	<i>For 2" Thick Door, Add</i>	90.30	
	<i>For Polystyrene Core, Add</i>	119.48	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	298.70	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	149.35	
	<i>For Steel Stiffened, Add</i>	298.70	

**08 13 13 13-0093 7'-2" High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors** (08 13 13 13-0072)

08 13 13 13-0094	EA 2' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,075.42	59.93
	<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	382.22	
	<i>For Galvanized Steel Door, Add</i>	191.11	
	<i>For Type 304 Stainless Steel Door, Add</i>	764.44	
	<i>For Type 316 Stainless Steel Door, Add</i>	1,242.22	
	<i>For Embossed Panel Door, Add</i>	229.33	
	<i>For Baked Enamel Finish, Add</i>	304.65	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For &gt;50 To 100, Deduct</i>	-56.77	
	<i>For &gt;100, Deduct</i>	-83.65	
	<i>For 2" Thick Door, Add</i>	72.27	
	<i>For Polystyrene Core, Add</i>	95.56	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	238.89	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	119.44	
	<i>For Steel Stiffened, Add</i>	238.89	
08 13 13 13-0095	EA 2'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,075.42	59.93
	<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	382.22	
	<i>For Galvanized Steel Door, Add</i>	191.11	
	<i>For Type 304 Stainless Steel Door, Add</i>	764.44	
	<i>For Type 316 Stainless Steel Door, Add</i>	1,242.22	
	<i>For Embossed Panel Door, Add</i>	229.33	
	<i>For Baked Enamel Finish, Add</i>	304.65	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For &gt;50 To 100, Deduct</i>	-56.77	
	<i>For &gt;100, Deduct</i>	-83.65	
	<i>For 2" Thick Door, Add</i>	72.27	
	<i>For Polystyrene Core, Add</i>	95.56	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	238.89	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	119.44	
	<i>For Steel Stiffened, Add</i>	238.89	
08 13 13 13-0096	EA 2'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,100.41	62.66
	<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	390.04	
	<i>For Galvanized Steel Door, Add</i>	195.02	
	<i>For Type 304 Stainless Steel Door, Add</i>	780.07	
	<i>For Type 316 Stainless Steel Door, Add</i>	1,267.62	
	<i>For Embossed Panel Door, Add</i>	234.02	
	<i>For Baked Enamel Finish, Add</i>	311.33	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For &gt;50 To 100, Deduct</i>	-58.15	
	<i>For &gt;100, Deduct</i>	-85.66	
	<i>For 2" Thick Door, Add</i>	73.83	
	<i>For Polystyrene Core, Add</i>	97.51	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	243.77	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	121.89	
	<i>For Steel Stiffened, Add</i>	243.77	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0097	EA			2'-8" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,114.96	62.66
				<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	395.86	
				<i>For Galvanized Steel Door, Add</i>	197.93	
				<i>For Type 304 Stainless Steel Door, Add</i>	791.71	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,286.53	
				<i>For Embossed Panel Door, Add</i>	237.51	
				<i>For Baked Enamel Finish, Add</i>	315.69	
				<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
				<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
				<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
				<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
				<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-58.88	
				<i>For &gt;100, Deduct</i>	-86.76	
				<i>For 2" Thick Door, Add</i>	74.88	
				<i>For Polystyrene Core, Add</i>	98.96	
				<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	247.41	
				<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	123.71	
				<i>For Steel Stiffened, Add</i>	247.41	
08 13 13 13-0098	EA			2'-10" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,123.52	64.02
				<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	398.19	
				<i>For Galvanized Steel Door, Add</i>	199.10	
				<i>For Type 304 Stainless Steel Door, Add</i>	796.38	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,294.12	
				<i>For Embossed Panel Door, Add</i>	238.92	
				<i>For Baked Enamel Finish, Add</i>	317.85	
				<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
				<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
				<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
				<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
				<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-59.38	
				<i>For &gt;100, Deduct</i>	-87.47	
				<i>For 2" Thick Door, Add</i>	75.37	
				<i>For Polystyrene Core, Add</i>	99.55	
				<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	248.87	
				<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	124.44	
				<i>For Steel Stiffened, Add</i>	248.87	
08 13 13 13-0099	EA			3' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,132.05	65.38
				<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	400.51	
				<i>For Galvanized Steel Door, Add</i>	200.26	
				<i>For Type 304 Stainless Steel Door, Add</i>	801.02	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,301.66	
				<i>For Embossed Panel Door, Add</i>	240.31	
				<i>For Baked Enamel Finish, Add</i>	320.00	
				<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
				<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
				<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
				<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
				<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-59.87	
				<i>For &gt;100, Deduct</i>	-88.17	
				<i>For 2" Thick Door, Add</i>	75.86	
				<i>For Polystyrene Core, Add</i>	100.13	
				<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	250.32	
				<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	125.16	
				<i>For Steel Stiffened, Add</i>	250.32	
08 13 13 13-0100	EA			3'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,207.74	65.38
				<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	430.79	
				<i>For Galvanized Steel Door, Add</i>	215.39	
				<i>For Type 304 Stainless Steel Door, Add</i>	861.58	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,400.06	
				<i>For Embossed Panel Door, Add</i>	258.47	
				<i>For Baked Enamel Finish, Add</i>	342.71	
				<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
				<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
				<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
				<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
				<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-63.66	
				<i>For &gt;100, Deduct</i>	-93.85	
				<i>For 2" Thick Door, Add</i>	81.35	
				<i>For Polystyrene Core, Add</i>	107.70	
				<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	269.24	
				<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	134.62	
				<i>For Steel Stiffened, Add</i>	269.24	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 13 13 13-0101	EA	3'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,242.29	68.11
		<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	442.43	
		<i>For Galvanized Steel Door, Add</i>	221.21	
		<i>For Type 304 Stainless Steel Door, Add</i>	884.86	
		<i>For Type 316 Stainless Steel Door, Add</i>	1,437.89	
		<i>For Embossed Panel Door, Add</i>	265.46	
		<i>For Baked Enamel Finish, Add</i>	352.25	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-65.52	
		<i>For &gt;100, Deduct</i>	-96.58	
		<i>For 2" Thick Door, Add</i>	83.60	
		<i>For Polystyrene Core, Add</i>	110.61	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	276.52	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	138.26	
		<i>For Steel Stiffened, Add</i>	276.52	
08 13 13 13-0102	EA	4' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,369.62	73.56
		<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	489.00	
		<i>For Galvanized Steel Door, Add</i>	244.50	
		<i>For Type 304 Stainless Steel Door, Add</i>	978.00	
		<i>For Type 316 Stainless Steel Door, Add</i>	1,589.25	
		<i>For Embossed Panel Door, Add</i>	293.40	
		<i>For Baked Enamel Finish, Add</i>	388.82	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-72.16	
		<i>For &gt;100, Deduct</i>	-106.40	
		<i>For 2" Thick Door, Add</i>	92.31	
		<i>For Polystyrene Core, Add</i>	122.25	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	305.63	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	152.81	
		<i>For Steel Stiffened, Add</i>	305.63	
08 13 13 13-0103		<b>8' High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors</b> <small>(08 13 13 13-0072)</small>		
08 13 13 13-0104	EA	2' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,254.00	59.93
		<i>For Up To 1' Extra Height, Add</i>	313.81	
		<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	453.65	
		<i>For Galvanized Steel Door, Add</i>	226.83	
		<i>For Type 304 Stainless Steel Door, Add</i>	907.30	
		<i>For Type 316 Stainless Steel Door, Add</i>	1,474.37	
		<i>For Embossed Panel Door, Add</i>	272.19	
		<i>For Baked Enamel Finish, Add</i>	358.22	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-65.70	
		<i>For &gt;100, Deduct</i>	-97.05	
		<i>For 2" Thick Door, Add</i>	85.22	
		<i>For Polystyrene Core, Add</i>	113.41	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	283.53	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	141.77	
		<i>For Steel Stiffened, Add</i>	283.53	
08 13 13 13-0105	EA	2'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,254.00	59.93
		<i>For Up To 1' Extra Height, Add</i>	313.81	
		<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	453.65	
		<i>For Galvanized Steel Door, Add</i>	226.83	
		<i>For Type 304 Stainless Steel Door, Add</i>	907.30	
		<i>For Type 316 Stainless Steel Door, Add</i>	1,474.37	
		<i>For Embossed Panel Door, Add</i>	272.19	
		<i>For Baked Enamel Finish, Add</i>	358.22	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-65.70	
		<i>For &gt;100, Deduct</i>	-97.05	
		<i>For 2" Thick Door, Add</i>	85.22	
		<i>For Polystyrene Core, Add</i>	113.41	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	283.53	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	141.77	
		<i>For Steel Stiffened, Add</i>	283.53	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0106	EA		2'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,282.65	62.66
				<i>For Up To 1' Extra Height, Add</i>	320.23	
				<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	462.93	
				<i>For Galvanized Steel Door, Add</i>	231.47	
				<i>For Type 304 Stainless Steel Door, Add</i>	925.86	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,504.53	
				<i>For Embossed Panel Door, Add</i>	277.76	
				<i>For Baked Enamel Finish, Add</i>	366.00	
				<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
				<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
				<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
				<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
				<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-67.27	
				<i>For &gt;100, Deduct</i>	-99.33	
				<i>For 2" Thick Door, Add</i>	87.04	
				<i>For Polystyrene Core, Add</i>	115.73	
				<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	289.33	
				<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	144.67	
				<i>For Steel Stiffened, Add</i>	289.33	
08 13 13	13-0107	EA		2'-8" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,299.93	62.66
				<i>For Up To 1' Extra Height, Add</i>	325.01	
				<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	469.84	
				<i>For Galvanized Steel Door, Add</i>	234.92	
				<i>For Type 304 Stainless Steel Door, Add</i>	939.69	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,526.99	
				<i>For Embossed Panel Door, Add</i>	281.91	
				<i>For Baked Enamel Finish, Add</i>	371.18	
				<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
				<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
				<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
				<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
				<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-68.13	
				<i>For &gt;100, Deduct</i>	-100.63	
				<i>For 2" Thick Door, Add</i>	88.29	
				<i>For Polystyrene Core, Add</i>	117.46	
				<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	293.65	
				<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	146.83	
				<i>For Steel Stiffened, Add</i>	293.65	
08 13 13	13-0108	EA		2'-10" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,309.55	64.02
				<i>For Up To 1' Extra Height, Add</i>	326.92	
				<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	472.60	
				<i>For Galvanized Steel Door, Add</i>	236.30	
				<i>For Type 304 Stainless Steel Door, Add</i>	945.21	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,535.96	
				<i>For Embossed Panel Door, Add</i>	283.56	
				<i>For Baked Enamel Finish, Add</i>	373.66	
				<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
				<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
				<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
				<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
				<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-68.68	
				<i>For &gt;100, Deduct</i>	-101.42	
				<i>For 2" Thick Door, Add</i>	88.86	
				<i>For Polystyrene Core, Add</i>	118.15	
				<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	295.38	
				<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	147.69	
				<i>For Steel Stiffened, Add</i>	295.38	
08 13 13	13-0109	EA		3' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,319.19	65.38
				<i>For Up To 1' Extra Height, Add</i>	328.84	
				<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	475.37	
				<i>For Galvanized Steel Door, Add</i>	237.68	
				<i>For Type 304 Stainless Steel Door, Add</i>	950.74	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,544.95	
				<i>For Embossed Panel Door, Add</i>	285.22	
				<i>For Baked Enamel Finish, Add</i>	376.14	
				<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
				<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
				<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
				<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
				<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-69.23	
				<i>For &gt;100, Deduct</i>	-102.21	
				<i>For 2" Thick Door, Add</i>	89.43	
				<i>For Polystyrene Core, Add</i>	118.84	
				<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	297.11	
				<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	148.55	
				<i>For Steel Stiffened, Add</i>	297.11	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13-0110	EA		3'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,409.01	65.38
			For Up To 1' Extra Height, Add	353.69	
			For 14 Gauge, Level 4 Maximum Duty, Add	511.30	
			For Galvanized Steel Door, Add	255.65	
			For Type 304 Stainless Steel Door, Add	1,022.59	
			For Type 316 Stainless Steel Door, Add	1,661.71	
			For Embossed Panel Door, Add	306.78	
			For Baked Enamel Finish, Add	403.09	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-73.72	
			For >100, Deduct	-108.95	
			For 2" Thick Door, Add	95.94	
			For Polystyrene Core, Add	127.82	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	319.56	
			For Continuously Welded And Filled Vertical Edge Seam, Add	159.78	
			For Steel Stiffened, Add	319.56	
08 13 13-0111	EA		3'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,449.01	68.11
			For Up To 1' Extra Height, Add	363.25	
			For 1' To 1'-6" Extra Height, Add	693.02	
			For 14 Gauge, Level 4 Maximum Duty, Add	525.12	
			For Galvanized Steel Door, Add	262.56	
			For Type 304 Stainless Steel Door, Add	1,050.23	
			For Type 316 Stainless Steel Door, Add	1,706.63	
			For Embossed Panel Door, Add	315.07	
			For Baked Enamel Finish, Add	414.27	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-75.86	
			For >100, Deduct	-112.08	
			For 2" Thick Door, Add	98.58	
			For Polystyrene Core, Add	131.28	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	328.20	
			For Continuously Welded And Filled Vertical Edge Seam, Add	164.10	
			For Steel Stiffened, Add	328.20	
08 13 13-0112	EA		4' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,598.10	73.56
			For Up To 1' Extra Height, Add	401.49	
			For 1' To 1'-6" Extra Height, Add	765.97	
			For 14 Gauge, Level 4 Maximum Duty, Add	580.39	
			For Galvanized Steel Door, Add	290.20	
			For Type 304 Stainless Steel Door, Add	1,160.78	
			For Type 316 Stainless Steel Door, Add	1,886.27	
			For Embossed Panel Door, Add	348.24	
			For Baked Enamel Finish, Add	457.36	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-83.58	
			For >100, Deduct	-123.54	
			For 2" Thick Door, Add	108.87	
			For Polystyrene Core, Add	145.10	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	362.75	
			For Continuously Welded And Filled Vertical Edge Seam, Add	181.37	
			For Steel Stiffened, Add	362.75	
<b>08 13 13 53</b>			<b>Custom Hollow Metal Doors</b> <small>(08 13 13)</small>		
<b>08 13 13 53-0001</b>			<b>Steel 18 Gauge 1-3/4" Unrated Door</b> <small>(08 13 13 53)</small>		
08 13 13 53-0002	EA		2'-2" Or 2'-4" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door.....	2,294.27	136.22
			For 16 Gauge Door, Add	20.30	
08 13 13 53-0003	EA		2'-6" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door.....	2,400.13	163.46
			For 16 Gauge Door, Add	20.30	
<b>08 13 73</b>			<b>Sliding Metal Doors</b> <small>(08 13)</small>		
<b>08 13 73 00-0001</b>			<b>Sliding Bypass Mirror Doors</b> <small>(08 13 73)</small>		
			Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.		
08 13 73 00-0002	EA		4' x 6' 8", Sliding Bypass Mirror Doors .....	455.14	81.73
08 13 73 00-0003	EA		5' x 6' 8", Sliding Bypass Mirror Doors .....	516.77	87.18
08 13 73 00-0004	EA		6' x 6' 8", Sliding Bypass Mirror Doors .....	578.40	92.62
08 13 73 00-0005	EA		8' x 6' 8", Sliding Bypass Mirror Doors .....	690.74	98.07

**08 14 Wood Doors** (08 10)

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware (unless note states included).  
See CSI section 08 05 13 00-0040 for mortise preparation, 08 70 00 00-0000 for finish hardware.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 14 16 Flush Wood Doors</b> <small>(08 14)</small>		
08 14 16 00-0001 1-3/8" Thick, Hollow Core (HC), Wood Doors <small>(08 14 16)</small>		
08 14 16 00-0002 Birch Faced Wood Door <small>(08 14 16 00-0001)</small>		
08 14 16 00-0003 EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	264.90	59.93
For >50 To 100, Deduct	-16.24	
For >100, Deduct	-22.86	
08 14 16 00-0004 EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	264.90	59.93
For >50 To 100, Deduct	-16.24	
For >100, Deduct	-22.86	
08 14 16 00-0005 EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	280.63	62.66
For >50 To 100, Deduct	-17.16	
For >100, Deduct	-24.18	
08 14 16 00-0006 EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	288.19	62.66
For >50 To 100, Deduct	-17.54	
For >100, Deduct	-24.75	
08 14 16 00-0007 EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	289.96	62.66
For >50 To 100, Deduct	-17.63	
For >100, Deduct	-24.88	
08 14 16 00-0008 EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	296.31	65.38
For >50 To 100, Deduct	-18.08	
For >100, Deduct	-25.49	
08 14 16 00-0009 EA 3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	312.47	65.38
For >50 To 100, Deduct	-18.89	
For >100, Deduct	-26.70	
08 14 16 00-0010 EA 3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	329.55	68.11
For >50 To 100, Deduct	-19.88	
For >100, Deduct	-28.12	
08 14 16 00-0011 EA 2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	273.35	59.93
For >50 To 100, Deduct	-16.66	
For >100, Deduct	-23.50	
08 14 16 00-0012 EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	273.35	59.93
For >50 To 100, Deduct	-16.66	
For >100, Deduct	-23.50	
08 14 16 00-0013 EA 2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	289.68	62.66
For >50 To 100, Deduct	-17.62	
For >100, Deduct	-24.86	
08 14 16 00-0014 EA 2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	297.68	62.66
For >50 To 100, Deduct	-18.02	
For >100, Deduct	-25.46	
08 14 16 00-0015 EA 2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	299.55	62.66
For >50 To 100, Deduct	-18.11	
For >100, Deduct	-25.60	
08 14 16 00-0016 EA 3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	305.93	65.38
For >50 To 100, Deduct	-18.57	
For >100, Deduct	-26.21	
08 14 16 00-0017 EA 3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	323.04	65.38
For >50 To 100, Deduct	-19.42	
For >100, Deduct	-27.50	
08 14 16 00-0018 EA 3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	340.79	68.11
For >50 To 100, Deduct	-20.45	
For >100, Deduct	-28.96	
08 14 16 00-0019 EA 2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	303.28	59.93
For >50 To 100, Deduct	-18.16	
For >100, Deduct	-25.74	
For 9' Door Height, Add	38.52	
08 14 16 00-0020 EA 2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	303.28	59.93
For >50 To 100, Deduct	-18.16	
For >100, Deduct	-25.74	
For 9' Door Height, Add	38.52	
08 14 16 00-0021 EA 2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	321.74	62.66
For >50 To 100, Deduct	-19.22	
For >100, Deduct	-27.26	
For 9' Door Height, Add	41.25	
08 14 16 00-0022 EA 2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	331.27	62.66
For >50 To 100, Deduct	-19.70	
For >100, Deduct	-27.98	
For 9' Door Height, Add	43.25	
08 14 16 00-0023 EA 2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	333.52	62.66
For >50 To 100, Deduct	-19.81	
For >100, Deduct	-28.15	
For 9' Door Height, Add	43.72	
08 14 16 00-0024 EA 3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	340.08	65.38
For >50 To 100, Deduct	-20.27	
For >100, Deduct	-28.78	
For 9' Door Height, Add	43.96	
08 14 16 00-0025 EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	360.53	65.38
For >50 To 100, Deduct	-21.30	
For >100, Deduct	-30.31	
For 9' Door Height, Add	48.25	
08 14 16 00-0026 EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	380.67	68.11
For >50 To 100, Deduct	-22.44	
For >100, Deduct	-31.96	
For 9' Door Height, Add	51.33	

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 14 16 00-0027		Oak Faced Wood Door <small>(08 14 16 00-0001)</small>			
08 14 16 00-0028	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	299.26	59.93	
		For >50 To 100, Deduct	-17.96		
		For >100, Deduct	-25.44		
08 14 16 00-0029	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	299.26	59.93	
		For >50 To 100, Deduct	-17.96		
		For >100, Deduct	-25.44		
08 14 16 00-0030	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	317.42	62.66	
		For >50 To 100, Deduct	-19.00		
		For >100, Deduct	-26.94		
08 14 16 00-0031	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	326.78	62.66	
		For >50 To 100, Deduct	-19.47		
		For >100, Deduct	-27.64		
08 14 16 00-0032	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	328.42	62.66	
		For >50 To 100, Deduct	-19.55		
		For >100, Deduct	-27.76		
08 14 16 00-0033	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	335.52	65.38	
		For >50 To 100, Deduct	-20.05		
		For >100, Deduct	-28.43		
08 14 16 00-0034	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	355.49	65.38	
		For >50 To 100, Deduct	-21.04		
		For >100, Deduct	-29.93		
08 14 16 00-0035	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	375.33	68.11	
		For >50 To 100, Deduct	-22.17		
		For >100, Deduct	-31.56		
08 14 16 00-0036	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	309.69	59.93	
		For >50 To 100, Deduct	-18.48		
		For >100, Deduct	-26.22		
08 14 16 00-0037	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	309.69	59.93	
		For >50 To 100, Deduct	-18.48		
		For >100, Deduct	-26.22		
08 14 16 00-0038	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	328.60	62.66	
		For >50 To 100, Deduct	-19.56		
		For >100, Deduct	-27.78		
08 14 16 00-0039	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	338.50	62.66	
		For >50 To 100, Deduct	-20.06		
		For >100, Deduct	-28.52		
08 14 16 00-0040	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	340.24	62.66	
		For >50 To 100, Deduct	-20.15		
		For >100, Deduct	-28.65		
08 14 16 00-0041	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	347.43	65.38	
		For >50 To 100, Deduct	-20.64		
		For >100, Deduct	-29.33		
08 14 16 00-0042	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	368.57	65.38	
		For >50 To 100, Deduct	-21.70		
		For >100, Deduct	-30.91		
08 14 16 00-0043	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	389.25	68.11	
		For >50 To 100, Deduct	-22.87		
		For >100, Deduct	-32.60		
08 14 16 00-0044	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	346.72	59.93	
		For >50 To 100, Deduct	-20.33		
		For >100, Deduct	-29.00		
		For 9' Door Height, Add	47.64		
08 14 16 00-0045	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	346.72	59.93	
		For >50 To 100, Deduct	-20.33		
		For >100, Deduct	-29.00		
		For 9' Door Height, Add	47.64		
08 14 16 00-0046	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	368.24	62.66	
		For >50 To 100, Deduct	-21.55		
		For >100, Deduct	-30.75		
		For 9' Door Height, Add	51.01		
08 14 16 00-0047	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	380.06	62.66	
		For >50 To 100, Deduct	-22.14		
		For >100, Deduct	-31.64		
		For 9' Door Height, Add	53.50		
08 14 16 00-0048	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	382.15	62.66	
		For >50 To 100, Deduct	-22.24		
		For >100, Deduct	-31.79		
		For 9' Door Height, Add	53.93		
08 14 16 00-0049	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	389.67	65.38	
		For >50 To 100, Deduct	-22.75		
		For >100, Deduct	-32.49		
		For 9' Door Height, Add	54.37		
08 14 16 00-0050	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	414.95	65.38	
		For >50 To 100, Deduct	-24.02		
		For >100, Deduct	-34.39		
		For 9' Door Height, Add	59.68		
08 14 16 00-0051	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	438.60	68.11	
		For >50 To 100, Deduct	-25.34		
		For >100, Deduct	-36.30		
		For 9' Door Height, Add	63.50		





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 14 16 00-0052 Maple Faced Wood Door</b> <small>(08 14 16 00-0001)</small>						
08 14 16 00-0053	EA			2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	335.15	59.93
				<i>For &gt;50 To 100, Deduct</i>	-19.75	
				<i>For &gt;100, Deduct</i>	-28.13	
08 14 16 00-0054	EA			2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	335.15	59.93
				<i>For &gt;50 To 100, Deduct</i>	-19.75	
				<i>For &gt;100, Deduct</i>	-28.13	
08 14 16 00-0055	EA			2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	355.83	62.66
				<i>For &gt;50 To 100, Deduct</i>	-20.92	
				<i>For &gt;100, Deduct</i>	-29.82	
08 14 16 00-0056	EA			2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	367.07	62.66
				<i>For &gt;50 To 100, Deduct</i>	-21.49	
				<i>For &gt;100, Deduct</i>	-30.66	
08 14 16 00-0057	EA			2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	369.05	62.66
				<i>For &gt;50 To 100, Deduct</i>	-21.59	
				<i>For &gt;100, Deduct</i>	-30.81	
08 14 16 00-0058	EA			3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	376.48	65.38
				<i>For &gt;50 To 100, Deduct</i>	-22.09	
				<i>For &gt;100, Deduct</i>	-31.51	
08 14 16 00-0059	EA			3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	400.44	65.38
				<i>For &gt;50 To 100, Deduct</i>	-23.29	
				<i>For &gt;100, Deduct</i>	-33.30	
08 14 16 00-0060	EA			3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	423.16	68.11
				<i>For &gt;50 To 100, Deduct</i>	-24.56	
				<i>For &gt;100, Deduct</i>	-35.14	
08 14 16 00-0061	EA			2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	347.65	59.93
				<i>For &gt;50 To 100, Deduct</i>	-20.38	
				<i>For &gt;100, Deduct</i>	-29.07	
08 14 16 00-0062	EA			2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	347.65	59.93
				<i>For &gt;50 To 100, Deduct</i>	-20.38	
				<i>For &gt;100, Deduct</i>	-29.07	
08 14 16 00-0063	EA			2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	369.26	62.66
				<i>For &gt;50 To 100, Deduct</i>	-21.60	
				<i>For &gt;100, Deduct</i>	-30.83	
08 14 16 00-0064	EA			2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	381.14	62.66
				<i>For &gt;50 To 100, Deduct</i>	-22.19	
				<i>For &gt;100, Deduct</i>	-31.72	
08 14 16 00-0065	EA			2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	383.23	62.66
				<i>For &gt;50 To 100, Deduct</i>	-22.29	
				<i>For &gt;100, Deduct</i>	-31.88	
08 14 16 00-0066	EA			3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	390.75	65.38
				<i>For &gt;50 To 100, Deduct</i>	-22.81	
				<i>For &gt;100, Deduct</i>	-32.58	
08 14 16 00-0067	EA			3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	416.12	65.38
				<i>For &gt;50 To 100, Deduct</i>	-24.08	
				<i>For &gt;100, Deduct</i>	-34.48	
08 14 16 00-0068	EA			3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	439.86	68.11
				<i>For &gt;50 To 100, Deduct</i>	-25.40	
				<i>For &gt;100, Deduct</i>	-36.40	
08 14 16 00-0069	EA			2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	392.09	59.93
				<i>For &gt;50 To 100, Deduct</i>	-22.60	
				<i>For &gt;100, Deduct</i>	-32.40	
				<i>For 9' Door Height, Add</i>	57.17	
08 14 16 00-0070	EA			2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	392.09	59.93
				<i>For &gt;50 To 100, Deduct</i>	-22.60	
				<i>For &gt;100, Deduct</i>	-32.40	
				<i>For 9' Door Height, Add</i>	57.17	
08 14 16 00-0071	EA			2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	416.81	62.66
				<i>For &gt;50 To 100, Deduct</i>	-23.97	
				<i>For &gt;100, Deduct</i>	-34.39	
				<i>For 9' Door Height, Add</i>	61.21	
08 14 16 00-0072	EA			2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	431.00	62.66
				<i>For &gt;50 To 100, Deduct</i>	-24.68	
				<i>For &gt;100, Deduct</i>	-35.46	
				<i>For 9' Door Height, Add</i>	64.19	
08 14 16 00-0073	EA			2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	433.52	62.66
				<i>For &gt;50 To 100, Deduct</i>	-24.81	
				<i>For &gt;100, Deduct</i>	-35.65	
				<i>For 9' Door Height, Add</i>	64.72	
08 14 16 00-0074	EA			3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	441.45	65.38
				<i>For &gt;50 To 100, Deduct</i>	-25.34	
				<i>For &gt;100, Deduct</i>	-36.38	
				<i>For 9' Door Height, Add</i>	65.24	
08 14 16 00-0075	EA			3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	471.80	65.38
				<i>For &gt;50 To 100, Deduct</i>	-26.86	
				<i>For &gt;100, Deduct</i>	-38.65	
				<i>For 9' Door Height, Add</i>	71.62	
08 14 16 00-0076	EA			3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	499.07	68.11
				<i>For &gt;50 To 100, Deduct</i>	-28.36	
				<i>For &gt;100, Deduct</i>	-40.84	
				<i>For 9' Door Height, Add</i>	76.20	

08 14 16 00-0077 Lauan Faced Wood Doors (08 14 16 00-0001)

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0078	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	228.32	59.93
			<i>For &gt;50 To 100, Deduct</i>	-14.41	
			<i>For &gt;100, Deduct</i>	-20.12	
08 14 16 00-0079	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	228.32	59.93
			<i>For &gt;50 To 100, Deduct</i>	-14.41	
			<i>For &gt;100, Deduct</i>	-20.12	
08 14 16 00-0080	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	241.11	62.66
			<i>For &gt;50 To 100, Deduct</i>	-15.19	
			<i>For &gt;100, Deduct</i>	-21.22	
08 14 16 00-0081	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	247.32	62.66
			<i>For &gt;50 To 100, Deduct</i>	-15.50	
			<i>For &gt;100, Deduct</i>	-21.68	
08 14 16 00-0082	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	249.51	62.66
			<i>For &gt;50 To 100, Deduct</i>	-15.61	
			<i>For &gt;100, Deduct</i>	-21.85	
08 14 16 00-0083	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	257.15	65.38
			<i>For &gt;50 To 100, Deduct</i>	-16.13	
			<i>For &gt;100, Deduct</i>	-22.56	
08 14 16 00-0084	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	269.23	65.38
			<i>For &gt;50 To 100, Deduct</i>	-16.73	
			<i>For &gt;100, Deduct</i>	-23.46	
08 14 16 00-0085	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	283.56	68.11
			<i>For &gt;50 To 100, Deduct</i>	-17.58	
			<i>For &gt;100, Deduct</i>	-24.67	
08 14 16 00-0086	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	234.62	59.93
			<i>For &gt;50 To 100, Deduct</i>	-14.73	
			<i>For &gt;100, Deduct</i>	-20.59	
08 14 16 00-0087	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	234.61	59.93
			<i>For &gt;50 To 100, Deduct</i>	-14.73	
			<i>For &gt;100, Deduct</i>	-20.59	
08 14 16 00-0088	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	247.86	62.66
			<i>For &gt;50 To 100, Deduct</i>	-15.53	
			<i>For &gt;100, Deduct</i>	-21.72	
08 14 16 00-0089	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	254.42	62.66
			<i>For &gt;50 To 100, Deduct</i>	-15.85	
			<i>For &gt;100, Deduct</i>	-22.21	
08 14 16 00-0090	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	256.74	62.66
			<i>For &gt;50 To 100, Deduct</i>	-15.97	
			<i>For &gt;100, Deduct</i>	-22.39	
08 14 16 00-0091	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	264.50	65.38
			<i>For &gt;50 To 100, Deduct</i>	-16.49	
			<i>For &gt;100, Deduct</i>	-23.11	
08 14 16 00-0092	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	277.29	65.38
			<i>For &gt;50 To 100, Deduct</i>	-17.13	
			<i>For &gt;100, Deduct</i>	-24.07	
08 14 16 00-0093	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	292.12	68.11
			<i>For &gt;50 To 100, Deduct</i>	-18.01	
			<i>For &gt;100, Deduct</i>	-25.31	
08 14 16 00-0094	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	257.01	59.93
			<i>For &gt;50 To 100, Deduct</i>	-15.85	
			<i>For &gt;100, Deduct</i>	-22.27	
			<i>For 9' Door Height, Add</i>	28.80	
08 14 16 00-0095	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	256.98	59.93
			<i>For &gt;50 To 100, Deduct</i>	-15.85	
			<i>For &gt;100, Deduct</i>	-22.27	
			<i>For 9' Door Height, Add</i>	28.79	
08 14 16 00-0096	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	271.76	62.66
			<i>For &gt;50 To 100, Deduct</i>	-16.72	
			<i>For &gt;100, Deduct</i>	-23.52	
			<i>For 9' Door Height, Add</i>	30.75	
08 14 16 00-0097	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	279.58	62.66
			<i>For &gt;50 To 100, Deduct</i>	-17.11	
			<i>For &gt;100, Deduct</i>	-24.10	
			<i>For 9' Door Height, Add</i>	32.39	
08 14 16 00-0098	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	282.37	62.66
			<i>For &gt;50 To 100, Deduct</i>	-17.25	
			<i>For &gt;100, Deduct</i>	-24.31	
			<i>For 9' Door Height, Add</i>	32.98	
08 14 16 00-0099	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	290.58	65.38
			<i>For &gt;50 To 100, Deduct</i>	-17.80	
			<i>For &gt;100, Deduct</i>	-25.06	
			<i>For 9' Door Height, Add</i>	33.56	
08 14 16 00-0100	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	305.87	65.38
			<i>For &gt;50 To 100, Deduct</i>	-18.56	
			<i>For &gt;100, Deduct</i>	-26.21	
			<i>For 9' Door Height, Add</i>	36.77	
08 14 16 00-0101	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	322.50	68.11
			<i>For &gt;50 To 100, Deduct</i>	-19.53	
			<i>For &gt;100, Deduct</i>	-27.59	
			<i>For 9' Door Height, Add</i>	39.12	

08 14 16 00-0102 Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0001)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0103	EA			2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	231.26 -14.56 -20.34	59.93
08 14 16 00-0104	EA			2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	231.26 -14.56 -20.34	59.93
08 14 16 00-0105	EA			2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	244.83 -15.37 -21.50	62.66
08 14 16 00-0106	EA			2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	248.67 -15.57 -21.78	62.66
08 14 16 00-0107	EA			2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	252.54 -15.76 -22.07	62.66
08 14 16 00-0108	EA			3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	261.83 -16.36 -22.91	65.38
08 14 16 00-0109	EA			3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	276.25 -17.08 -23.99	65.38
08 14 16 00-0110	EA			3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	290.99 -17.96 -25.23	68.11
08 14 16 00-0111	EA			2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	237.73 -14.88 -20.83	59.93
08 14 16 00-0112	EA			2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	237.73 -14.88 -20.83	59.93
08 14 16 00-0113	EA			2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	251.78 -15.72 -22.02	62.66
08 14 16 00-0114	EA			2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	255.86 -15.93 -22.32	62.66
08 14 16 00-0115	EA			2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	259.94 -16.13 -22.63	62.66
08 14 16 00-0116	EA			3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	269.46 -16.74 -23.48	65.38
08 14 16 00-0117	EA			3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	284.72 -17.51 -24.62	65.38
08 14 16 00-0118	EA			3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	300.01 -18.41 -25.91	68.11
08 14 16 00-0119	EA			2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	260.70 -16.03 -22.55 29.57	59.93
08 14 16 00-0120	EA			2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	260.73 -16.03 -22.55 29.58	59.93
08 14 16 00-0121	EA			2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	276.43 -16.95 -23.87 31.73	62.66
08 14 16 00-0122	EA			2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	281.32 -17.20 -24.23 32.76	62.66
08 14 16 00-0123	EA			2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	286.21 -17.44 -24.60 33.79	62.66
08 14 16 00-0124	EA			3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	296.52 -18.10 -25.51 34.81	65.38
08 14 16 00-0125	EA			3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	314.75 -19.01 -26.88 38.64	65.38
08 14 16 00-0126	EA			3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	331.95 -20.00 -28.30 41.10	68.11
08 14 16 00-0127				1-3/4" Thick, Hollow Core (HC), Wood Doors <small>(08 14 16)</small>		
08 14 16 00-0128				Birch Faced Wood Doors <small>(08 14 16 00-0127)</small>		

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0129	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	301.15	59.93
			<i>For &gt;50 To 100, Deduct</i>	-18.05	
			<i>For &gt;100, Deduct</i>	-25.58	
08 14 16 00-0130	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	301.15	59.93
			<i>For &gt;50 To 100, Deduct</i>	-18.05	
			<i>For &gt;100, Deduct</i>	-25.58	
08 14 16 00-0131	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	313.43	62.66
			<i>For &gt;50 To 100, Deduct</i>	-18.80	
			<i>For &gt;100, Deduct</i>	-26.64	
08 14 16 00-0132	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	315.98	62.66
			<i>For &gt;50 To 100, Deduct</i>	-18.93	
			<i>For &gt;100, Deduct</i>	-26.83	
08 14 16 00-0133	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	321.56	62.66
			<i>For &gt;50 To 100, Deduct</i>	-19.21	
			<i>For &gt;100, Deduct</i>	-27.25	
08 14 16 00-0134	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	332.59	65.38
			<i>For &gt;50 To 100, Deduct</i>	-19.90	
			<i>For &gt;100, Deduct</i>	-28.21	
08 14 16 00-0135	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	362.18	65.38
			<i>For &gt;50 To 100, Deduct</i>	-21.38	
			<i>For &gt;100, Deduct</i>	-30.43	
08 14 16 00-0136	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	427.68	68.11
			<i>For &gt;50 To 100, Deduct</i>	-24.79	
			<i>For &gt;100, Deduct</i>	-35.48	
08 14 16 00-0137	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	442.26	68.11
			<i>For &gt;50 To 100, Deduct</i>	-25.52	
			<i>For &gt;100, Deduct</i>	-36.58	
08 14 16 00-0138	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	471.40	68.11
			<i>For &gt;50 To 100, Deduct</i>	-26.98	
			<i>For &gt;100, Deduct</i>	-38.76	
08 14 16 00-0139	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	311.71	59.93
			<i>For &gt;50 To 100, Deduct</i>	-18.58	
			<i>For &gt;100, Deduct</i>	-26.38	
08 14 16 00-0140	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	311.70	59.93
			<i>For &gt;50 To 100, Deduct</i>	-18.58	
			<i>For &gt;100, Deduct</i>	-26.37	
08 14 16 00-0141	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	324.38	62.66
			<i>For &gt;50 To 100, Deduct</i>	-19.35	
			<i>For &gt;100, Deduct</i>	-27.46	
08 14 16 00-0142	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	327.08	62.66
			<i>For &gt;50 To 100, Deduct</i>	-19.49	
			<i>For &gt;100, Deduct</i>	-27.66	
08 14 16 00-0143	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	332.98	62.66
			<i>For &gt;50 To 100, Deduct</i>	-19.78	
			<i>For &gt;100, Deduct</i>	-28.11	
08 14 16 00-0144	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	344.32	65.38
			<i>For &gt;50 To 100, Deduct</i>	-20.49	
			<i>For &gt;100, Deduct</i>	-29.09	
08 14 16 00-0145	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	375.65	65.38
			<i>For &gt;50 To 100, Deduct</i>	-22.05	
			<i>For &gt;100, Deduct</i>	-31.44	
08 14 16 00-0146	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	444.66	68.11
			<i>For &gt;50 To 100, Deduct</i>	-25.64	
			<i>For &gt;100, Deduct</i>	-36.76	
08 14 16 00-0147	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	460.07	68.11
			<i>For &gt;50 To 100, Deduct</i>	-26.41	
			<i>For &gt;100, Deduct</i>	-37.91	
08 14 16 00-0148	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	490.92	68.11
			<i>For &gt;50 To 100, Deduct</i>	-27.95	
			<i>For &gt;100, Deduct</i>	-40.22	
08 14 16 00-0149	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	349.12	59.93
			<i>For &gt;50 To 100, Deduct</i>	-20.45	
			<i>For &gt;100, Deduct</i>	-29.18	
			<i>For 9' Door Height, Add</i>	48.14	
08 14 16 00-0150	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	349.12	59.93
			<i>For &gt;50 To 100, Deduct</i>	-20.45	
			<i>For &gt;100, Deduct</i>	-29.18	
			<i>For 9' Door Height, Add</i>	48.14	
08 14 16 00-0151	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	363.21	62.66
			<i>For &gt;50 To 100, Deduct</i>	-21.29	
			<i>For &gt;100, Deduct</i>	-30.37	
			<i>For 9' Door Height, Add</i>	49.96	
08 14 16 00-0152	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	366.41	62.66
			<i>For &gt;50 To 100, Deduct</i>	-21.45	
			<i>For &gt;100, Deduct</i>	-30.61	
			<i>For 9' Door Height, Add</i>	50.63	
08 14 16 00-0153	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	373.49	62.66
			<i>For &gt;50 To 100, Deduct</i>	-21.81	
			<i>For &gt;100, Deduct</i>	-31.14	
			<i>For 9' Door Height, Add</i>	52.12	
08 14 16 00-0154	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	385.96	65.38
			<i>For &gt;50 To 100, Deduct</i>	-22.57	
			<i>For &gt;100, Deduct</i>	-32.22	
			<i>For 9' Door Height, Add</i>	53.59	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0155	EA			3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	423.40 -24.44 -35.02 61.45	65.38
08 14 16 00-0156	EA			3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	504.80 -28.65 -41.27 77.40	68.11
08 14 16 00-0157	EA			3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	523.21 -29.57 -42.65 81.27	68.11
08 14 16 00-0158	EA			4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	560.09 -31.41 -45.41 89.01	68.11
<b>08 14 16 00-0159 Oak Faced Wood Doors</b> <small>(08 14 16 00-0127)</small>						
08 14 16 00-0160	EA			2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	358.41 -20.92 -29.88	59.93
08 14 16 00-0161	EA			2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	358.41 -20.92 -29.88	59.93
08 14 16 00-0162	EA			2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	372.83 -21.77 -31.10	62.66
08 14 16 00-0163	EA			2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	376.19 -21.94 -31.35	62.66
08 14 16 00-0164	EA			2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	383.53 -22.31 -31.90	62.66
08 14 16 00-0165	EA			3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	396.30 -23.08 -32.99	65.38
08 14 16 00-0166	EA			3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	435.25 -25.03 -35.91	65.38
08 14 16 00-0167	EA			3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	519.73 -29.39 -42.39	68.11
08 14 16 00-0168	EA			3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	538.92 -30.35 -43.82	68.11
08 14 16 00-0169	EA			4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	577.30 -32.27 -46.70	68.11
08 14 16 00-0170	EA			2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	372.29 -21.61 -30.92	59.93
08 14 16 00-0171	EA			2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	372.30 -21.61 -30.92	59.93
08 14 16 00-0172	EA			2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	387.23 -22.49 -32.18	62.66
08 14 16 00-0173	EA			2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	390.79 -22.67 -32.44	62.66
08 14 16 00-0174	EA			2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	398.56 -23.06 -33.03	62.66
08 14 16 00-0175	EA			3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	411.75 -23.86 -34.15	65.38
08 14 16 00-0176	EA			3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	452.97 -25.92 -37.24	65.38
08 14 16 00-0177	EA			3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	542.06 -30.51 -44.06	68.11
08 14 16 00-0178	EA			3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	562.37 -31.52 -45.58	68.11
08 14 16 00-0179	EA			4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	602.97 -33.55 -48.63	68.11
08 14 16 00-0180	EA			2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	421.50 -24.07 -34.61 63.34	59.93

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0181	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....	421.53	59.93
			<i>For &gt;50 To 100, Deduct</i>	-24.07	
			<i>For &gt;100, Deduct</i>	-34.61	
			<i>For 9' Door Height, Add</i>	63.35	
08 14 16 00-0182	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....	438.31	62.66
			<i>For &gt;50 To 100, Deduct</i>	-25.05	
			<i>For &gt;100, Deduct</i>	-36.01	
			<i>For 9' Door Height, Add</i>	65.73	
08 14 16 00-0183	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....	442.54	62.66
			<i>For &gt;50 To 100, Deduct</i>	-25.26	
			<i>For &gt;100, Deduct</i>	-36.32	
			<i>For 9' Door Height, Add</i>	66.62	
08 14 16 00-0184	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....	451.83	62.66
			<i>For &gt;50 To 100, Deduct</i>	-25.72	
			<i>For &gt;100, Deduct</i>	-37.02	
			<i>For 9' Door Height, Add</i>	68.57	
08 14 16 00-0185	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....	466.55	65.38
			<i>For &gt;50 To 100, Deduct</i>	-26.60	
			<i>For &gt;100, Deduct</i>	-38.26	
			<i>For 9' Door Height, Add</i>	70.51	
08 14 16 00-0186	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....	515.81	65.38
			<i>For &gt;50 To 100, Deduct</i>	-29.06	
			<i>For &gt;100, Deduct</i>	-41.96	
			<i>For 9' Door Height, Add</i>	80.86	
08 14 16 00-0187	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....	621.20	68.11
			<i>For &gt;50 To 100, Deduct</i>	-34.47	
			<i>For &gt;100, Deduct</i>	-50.00	
			<i>For 9' Door Height, Add</i>	101.85	
08 14 16 00-0188	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....	645.48	68.11
			<i>For &gt;50 To 100, Deduct</i>	-35.68	
			<i>For &gt;100, Deduct</i>	-51.82	
			<i>For 9' Door Height, Add</i>	106.94	
08 14 16 00-0189	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....	693.99	68.11
			<i>For &gt;50 To 100, Deduct</i>	-38.11	
			<i>For &gt;100, Deduct</i>	-55.45	
			<i>For 9' Door Height, Add</i>	117.13	
<b>08 14 16 00-0190</b>			<b>Maple Faced Wood Doors</b> <small>(08 14 16 00-0127)</small>		
08 14 16 00-0191	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	406.12	59.93
			<i>For &gt;50 To 100, Deduct</i>	-23.30	
			<i>For &gt;100, Deduct</i>	-33.46	
08 14 16 00-0192	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	406.12	59.93
			<i>For &gt;50 To 100, Deduct</i>	-23.30	
			<i>For &gt;100, Deduct</i>	-33.46	
08 14 16 00-0193	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	422.33	62.66
			<i>For &gt;50 To 100, Deduct</i>	-24.25	
			<i>For &gt;100, Deduct</i>	-34.81	
08 14 16 00-0194	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	426.53	62.66
			<i>For &gt;50 To 100, Deduct</i>	-24.46	
			<i>For &gt;100, Deduct</i>	-35.12	
08 14 16 00-0195	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	435.25	62.66
			<i>For &gt;50 To 100, Deduct</i>	-24.90	
			<i>For &gt;100, Deduct</i>	-35.78	
08 14 16 00-0196	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	449.40	65.38
			<i>For &gt;50 To 100, Deduct</i>	-25.74	
			<i>For &gt;100, Deduct</i>	-36.97	
08 14 16 00-0197	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	496.14	65.38
			<i>For &gt;50 To 100, Deduct</i>	-28.08	
			<i>For &gt;100, Deduct</i>	-40.48	
08 14 16 00-0198	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	573.55	68.11
			<i>For &gt;50 To 100, Deduct</i>	-32.08	
			<i>For &gt;100, Deduct</i>	-46.42	
08 14 16 00-0199	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	619.46	68.11
			<i>For &gt;50 To 100, Deduct</i>	-34.38	
			<i>For &gt;100, Deduct</i>	-49.87	
08 14 16 00-0200	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	665.51	68.11
			<i>For &gt;50 To 100, Deduct</i>	-36.68	
			<i>For &gt;100, Deduct</i>	-53.32	
08 14 16 00-0201	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	422.79	59.93
			<i>For &gt;50 To 100, Deduct</i>	-24.14	
			<i>For &gt;100, Deduct</i>	-34.71	
08 14 16 00-0202	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	422.79	59.93
			<i>For &gt;50 To 100, Deduct</i>	-24.14	
			<i>For &gt;100, Deduct</i>	-34.71	
08 14 16 00-0203	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	439.60	62.66
			<i>For &gt;50 To 100, Deduct</i>	-25.11	
			<i>For &gt;100, Deduct</i>	-36.10	
08 14 16 00-0204	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	444.07	62.66
			<i>For &gt;50 To 100, Deduct</i>	-25.34	
			<i>For &gt;100, Deduct</i>	-36.44	
08 14 16 00-0205	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	453.27	62.66
			<i>For &gt;50 To 100, Deduct</i>	-25.80	
			<i>For &gt;100, Deduct</i>	-37.13	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0206	EA			3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	467.93	65.38
				<i>For &gt;50 To 100, Deduct</i>	-26.67	
				<i>For &gt;100, Deduct</i>	-38.36	
08 14 16 00-0207	EA			3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	517.40	65.38
				<i>For &gt;50 To 100, Deduct</i>	-29.14	
				<i>For &gt;100, Deduct</i>	-42.07	
08 14 16 00-0208	EA			3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	598.89	68.11
				<i>For &gt;50 To 100, Deduct</i>	-33.35	
				<i>For &gt;100, Deduct</i>	-48.32	
08 14 16 00-0209	EA			3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	647.61	68.11
				<i>For &gt;50 To 100, Deduct</i>	-35.79	
				<i>For &gt;100, Deduct</i>	-51.98	
08 14 16 00-0210	EA			4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	696.30	68.11
				<i>For &gt;50 To 100, Deduct</i>	-38.22	
				<i>For &gt;100, Deduct</i>	-55.63	
08 14 16 00-0211	EA			2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	481.85	59.93
				<i>For &gt;50 To 100, Deduct</i>	-27.09	
				<i>For &gt;100, Deduct</i>	-39.14	
				<i>For 9' Door Height, Add</i>	76.02	
08 14 16 00-0212	EA			2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	481.85	59.93
				<i>For &gt;50 To 100, Deduct</i>	-27.09	
				<i>For &gt;100, Deduct</i>	-39.14	
				<i>For 9' Door Height, Add</i>	76.02	
08 14 16 00-0213	EA			2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	500.89	62.66
				<i>For &gt;50 To 100, Deduct</i>	-28.18	
				<i>For &gt;100, Deduct</i>	-40.70	
				<i>For 9' Door Height, Add</i>	78.87	
08 14 16 00-0214	EA			2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	506.22	62.66
				<i>For &gt;50 To 100, Deduct</i>	-28.44	
				<i>For &gt;100, Deduct</i>	-41.10	
				<i>For 9' Door Height, Add</i>	79.99	
08 14 16 00-0215	EA			2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	517.20	62.66
				<i>For &gt;50 To 100, Deduct</i>	-28.99	
				<i>For &gt;100, Deduct</i>	-41.92	
				<i>For 9' Door Height, Add</i>	82.29	
08 14 16 00-0216	EA			3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	533.68	65.38
				<i>For &gt;50 To 100, Deduct</i>	-29.95	
				<i>For &gt;100, Deduct</i>	-43.30	
				<i>For 9' Door Height, Add</i>	84.61	
08 14 16 00-0217	EA			3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	592.78	65.38
				<i>For &gt;50 To 100, Deduct</i>	-32.91	
				<i>For &gt;100, Deduct</i>	-47.73	
				<i>For 9' Door Height, Add</i>	97.02	
08 14 16 00-0218	EA			3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	689.14	68.11
				<i>For &gt;50 To 100, Deduct</i>	-37.86	
				<i>For &gt;100, Deduct</i>	-55.09	
				<i>For 9' Door Height, Add</i>	116.11	
08 14 16 00-0219	EA			3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	747.33	68.11
				<i>For &gt;50 To 100, Deduct</i>	-40.77	
				<i>For &gt;100, Deduct</i>	-59.46	
				<i>For 9' Door Height, Add</i>	128.33	
08 14 16 00-0220	EA			4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	805.56	68.11
				<i>For &gt;50 To 100, Deduct</i>	-43.68	
				<i>For &gt;100, Deduct</i>	-63.82	
				<i>For 9' Door Height, Add</i>	140.56	
<b>08 14 16 00-0221</b>				<b>Walnut Faced Wood Doors</b> <small>(08 14 16 00-0127)</small>		
08 14 16 00-0222	EA			2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	443.03	59.93
				<i>For &gt;50 To 100, Deduct</i>	-25.15	
				<i>For &gt;100, Deduct</i>	-36.22	
08 14 16 00-0223	EA			2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	443.03	59.93
				<i>For &gt;50 To 100, Deduct</i>	-25.15	
				<i>For &gt;100, Deduct</i>	-36.22	
08 14 16 00-0224	EA			2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	450.73	62.66
				<i>For &gt;50 To 100, Deduct</i>	-25.67	
				<i>For &gt;100, Deduct</i>	-36.94	
08 14 16 00-0225	EA			2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	465.06	62.66
				<i>For &gt;50 To 100, Deduct</i>	-26.39	
				<i>For &gt;100, Deduct</i>	-38.01	
08 14 16 00-0226	EA			2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	467.25	62.66
				<i>For &gt;50 To 100, Deduct</i>	-26.50	
				<i>For &gt;100, Deduct</i>	-38.18	
08 14 16 00-0227	EA			3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	474.88	65.38
				<i>For &gt;50 To 100, Deduct</i>	-27.01	
				<i>For &gt;100, Deduct</i>	-38.89	
08 14 16 00-0228	EA			3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	513.29	65.38
				<i>For &gt;50 To 100, Deduct</i>	-28.93	
				<i>For &gt;100, Deduct</i>	-41.77	
08 14 16 00-0229	EA			3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	617.90	68.11
				<i>For &gt;50 To 100, Deduct</i>	-34.30	
				<i>For &gt;100, Deduct</i>	-49.75	
08 14 16 00-0230	EA			3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	641.97	68.11
				<i>For &gt;50 To 100, Deduct</i>	-35.50	
				<i>For &gt;100, Deduct</i>	-51.55	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0231	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	690.19	68.11
			<i>For &gt;50 To 100, Deduct</i>	-37.92	
			<i>For &gt;100, Deduct</i>	-55.17	
08 14 16 00-0232	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	461.83	59.93
			<i>For &gt;50 To 100, Deduct</i>	-26.09	
			<i>For &gt;100, Deduct</i>	-37.63	
08 14 16 00-0233	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	461.83	59.93
			<i>For &gt;50 To 100, Deduct</i>	-26.09	
			<i>For &gt;100, Deduct</i>	-37.63	
08 14 16 00-0234	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	469.67	62.66
			<i>For &gt;50 To 100, Deduct</i>	-26.62	
			<i>For &gt;100, Deduct</i>	-38.36	
08 14 16 00-0235	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	484.82	62.66
			<i>For &gt;50 To 100, Deduct</i>	-27.37	
			<i>For &gt;100, Deduct</i>	-39.49	
08 14 16 00-0236	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	487.15	62.66
			<i>For &gt;50 To 100, Deduct</i>	-27.49	
			<i>For &gt;100, Deduct</i>	-39.67	
08 14 16 00-0237	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	494.91	65.38
			<i>For &gt;50 To 100, Deduct</i>	-28.01	
			<i>For &gt;100, Deduct</i>	-40.39	
08 14 16 00-0238	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	535.54	65.38
			<i>For &gt;50 To 100, Deduct</i>	-30.05	
			<i>For &gt;100, Deduct</i>	-43.43	
08 14 16 00-0239	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	645.93	68.11
			<i>For &gt;50 To 100, Deduct</i>	-35.70	
			<i>For &gt;100, Deduct</i>	-51.85	
08 14 16 00-0240	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	671.42	68.11
			<i>For &gt;50 To 100, Deduct</i>	-36.98	
			<i>For &gt;100, Deduct</i>	-53.76	
08 14 16 00-0241	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	722.42	68.11
			<i>For &gt;50 To 100, Deduct</i>	-39.53	
			<i>For &gt;100, Deduct</i>	-57.59	
08 14 16 00-0242	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	528.51	59.93
			<i>For &gt;50 To 100, Deduct</i>	-29.42	
			<i>For &gt;100, Deduct</i>	-42.64	
			<i>For 9' Door Height, Add</i>	85.81	
08 14 16 00-0243	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	528.51	59.93
			<i>For &gt;50 To 100, Deduct</i>	-29.42	
			<i>For &gt;100, Deduct</i>	-42.64	
			<i>For 9' Door Height, Add</i>	85.81	
08 14 16 00-0244	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	536.84	62.66
			<i>For &gt;50 To 100, Deduct</i>	-29.98	
			<i>For &gt;100, Deduct</i>	-43.40	
			<i>For 9' Door Height, Add</i>	86.42	
08 14 16 00-0245	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	554.92	62.66
			<i>For &gt;50 To 100, Deduct</i>	-30.88	
			<i>For &gt;100, Deduct</i>	-44.75	
			<i>For 9' Door Height, Add</i>	90.22	
08 14 16 00-0246	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	557.70	62.66
			<i>For &gt;50 To 100, Deduct</i>	-31.02	
			<i>For &gt;100, Deduct</i>	-44.96	
			<i>For 9' Door Height, Add</i>	90.80	
08 14 16 00-0247	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	565.91	65.38
			<i>For &gt;50 To 100, Deduct</i>	-31.56	
			<i>For &gt;100, Deduct</i>	-45.71	
			<i>For 9' Door Height, Add</i>	91.38	
08 14 16 00-0248	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	614.49	65.38
			<i>For &gt;50 To 100, Deduct</i>	-33.99	
			<i>For &gt;100, Deduct</i>	-49.36	
			<i>For 9' Door Height, Add</i>	101.58	
08 14 16 00-0249	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	745.32	68.11
			<i>For &gt;50 To 100, Deduct</i>	-40.67	
			<i>For &gt;100, Deduct</i>	-59.30	
			<i>For 9' Door Height, Add</i>	127.91	
08 14 16 00-0250	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	775.79	68.11
			<i>For &gt;50 To 100, Deduct</i>	-42.20	
			<i>For &gt;100, Deduct</i>	-61.59	
			<i>For 9' Door Height, Add</i>	134.31	
08 14 16 00-0251	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	836.71	68.11
			<i>For &gt;50 To 100, Deduct</i>	-45.24	
			<i>For &gt;100, Deduct</i>	-66.16	
			<i>For 9' Door Height, Add</i>	147.10	
<b>08 14 16 00-0252</b>			<b>Lauan Faced Wood Doors</b> <small>(08 14 16 00-0127)</small>		
08 14 16 00-0253	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	257.64	59.93
			<i>For &gt;50 To 100, Deduct</i>	-15.88	
			<i>For &gt;100, Deduct</i>	-22.32	
08 14 16 00-0254	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	257.64	59.93
			<i>For &gt;50 To 100, Deduct</i>	-15.88	
			<i>For &gt;100, Deduct</i>	-22.32	
08 14 16 00-0255	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	272.57	62.66
			<i>For &gt;50 To 100, Deduct</i>	-16.76	
			<i>For &gt;100, Deduct</i>	-23.58	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0256	EA			2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	280.27 -17.15 -24.15	62.66
08 14 16 00-0257	EA			2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	281.80 -17.22 -24.27	62.66
08 14 16 00-0258	EA			3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	288.78 -17.71 -24.93	65.38
08 14 16 00-0259	EA			3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	306.14 -18.58 -26.23	65.38
08 14 16 00-0260	EA			3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	333.99 -20.11 -28.45	68.11
08 14 16 00-0261	EA			3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	343.85 -20.60 -29.19	68.11
08 14 16 00-0262	EA			4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	363.64 -21.59 -30.68	68.11
08 14 16 00-0263	EA			2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	265.65 -16.28 -22.92	59.93
08 14 16 00-0264	EA			2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	265.65 -16.28 -22.92	59.93
08 14 16 00-0265	EA			2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	281.14 -17.19 -24.22	62.66
08 14 16 00-0266	EA			2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	289.30 -17.60 -24.83	62.66
08 14 16 00-0267	EA			2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	290.92 -17.68 -24.95	62.66
08 14 16 00-0268	EA			3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	297.97 -18.17 -25.62	65.38
08 14 16 00-0269	EA			3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	316.36 -19.09 -27.00	65.38
08 14 16 00-0270	EA			3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	345.48 -20.68 -29.32	68.11
08 14 16 00-0271	EA			3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	355.94 -21.20 -30.10	68.11
08 14 16 00-0272	EA			4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	376.86 -22.25 -31.67	68.11
08 14 16 00-0273	EA			2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	294.07 -17.70 -25.05 36.58	59.93
08 14 16 00-0274	EA			2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	294.07 -17.70 -25.05 36.58	59.93
08 14 16 00-0275	EA			2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	311.51 -18.71 -26.50 39.10	62.66
08 14 16 00-0276	EA			2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	321.26 -19.20 -27.23 41.15	62.66
08 14 16 00-0277	EA			2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	323.21 -19.29 -27.37 41.56	62.66
08 14 16 00-0278	EA			3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	330.58 -19.80 -28.06 41.96	65.38
08 14 16 00-0279	EA			3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	352.55 -20.90 -29.71 46.57	65.38
08 14 16 00-0280	EA			3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	386.28 -22.72 -32.38 52.51	68.11

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0281	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	398.78	68.11
			<i>For &gt;50 To 100, Deduct</i>	-23.34	
			<i>For &gt;100, Deduct</i>	-33.31	
			<i>For 9' Door Height, Add</i>	55.14	
08 14 16 00-0282	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	423.79	68.11
			<i>For &gt;50 To 100, Deduct</i>	-24.60	
			<i>For &gt;100, Deduct</i>	-35.19	
			<i>For 9' Door Height, Add</i>	60.39	
<b>08 14 16 00-0283 Medium Density Overlay (MDO) Faced Wood Doors</b> <small>(08 14 16 00-0127)</small>					
08 14 16 00-0284	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	258.63	59.93
			<i>For &gt;50 To 100, Deduct</i>	-15.93	
			<i>For &gt;100, Deduct</i>	-22.39	
08 14 16 00-0285	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	258.66	59.93
			<i>For &gt;50 To 100, Deduct</i>	-15.93	
			<i>For &gt;100, Deduct</i>	-22.40	
08 14 16 00-0286	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	267.95	62.66
			<i>For &gt;50 To 100, Deduct</i>	-16.53	
			<i>For &gt;100, Deduct</i>	-23.23	
08 14 16 00-0287	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	275.68	62.66
			<i>For &gt;50 To 100, Deduct</i>	-16.92	
			<i>For &gt;100, Deduct</i>	-23.81	
08 14 16 00-0288	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	279.55	62.66
			<i>For &gt;50 To 100, Deduct</i>	-17.11	
			<i>For &gt;100, Deduct</i>	-24.10	
08 14 16 00-0289	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	288.81	65.38
			<i>For &gt;50 To 100, Deduct</i>	-17.71	
			<i>For &gt;100, Deduct</i>	-24.93	
08 14 16 00-0290	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	297.63	65.38
			<i>For &gt;50 To 100, Deduct</i>	-18.15	
			<i>For &gt;100, Deduct</i>	-25.59	
08 14 16 00-0291	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	331.74	68.11
			<i>For &gt;50 To 100, Deduct</i>	-19.99	
			<i>For &gt;100, Deduct</i>	-28.29	
08 14 16 00-0292	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	341.51	68.11
			<i>For &gt;50 To 100, Deduct</i>	-20.48	
			<i>For &gt;100, Deduct</i>	-29.02	
08 14 16 00-0293	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	361.09	68.11
			<i>For &gt;50 To 100, Deduct</i>	-21.46	
			<i>For &gt;100, Deduct</i>	-30.49	
08 14 16 00-0294	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	266.72	59.93
			<i>For &gt;50 To 100, Deduct</i>	-16.33	
			<i>For &gt;100, Deduct</i>	-23.00	
08 14 16 00-0295	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	266.73	59.93
			<i>For &gt;50 To 100, Deduct</i>	-16.33	
			<i>For &gt;100, Deduct</i>	-23.00	
08 14 16 00-0296	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	276.24	62.66
			<i>For &gt;50 To 100, Deduct</i>	-16.95	
			<i>For &gt;100, Deduct</i>	-23.85	
08 14 16 00-0297	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	284.43	62.66
			<i>For &gt;50 To 100, Deduct</i>	-17.35	
			<i>For &gt;100, Deduct</i>	-24.47	
08 14 16 00-0298	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	288.52	62.66
			<i>For &gt;50 To 100, Deduct</i>	-17.56	
			<i>For &gt;100, Deduct</i>	-24.77	
08 14 16 00-0299	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	298.02	65.38
			<i>For &gt;50 To 100, Deduct</i>	-18.17	
			<i>For &gt;100, Deduct</i>	-25.62	
08 14 16 00-0300	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	307.35	65.38
			<i>For &gt;50 To 100, Deduct</i>	-18.64	
			<i>For &gt;100, Deduct</i>	-26.32	
08 14 16 00-0301	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	343.13	68.11
			<i>For &gt;50 To 100, Deduct</i>	-20.56	
			<i>For &gt;100, Deduct</i>	-29.14	
08 14 16 00-0302	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	353.48	68.11
			<i>For &gt;50 To 100, Deduct</i>	-21.08	
			<i>For &gt;100, Deduct</i>	-29.92	
08 14 16 00-0303	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	374.17	68.11
			<i>For &gt;50 To 100, Deduct</i>	-22.11	
			<i>For &gt;100, Deduct</i>	-31.47	
08 14 16 00-0304	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	295.36	59.93
			<i>For &gt;50 To 100, Deduct</i>	-17.76	
			<i>For &gt;100, Deduct</i>	-25.15	
			<i>For 9' Door Height, Add</i>	36.85	
08 14 16 00-0305	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	295.36	59.93
			<i>For &gt;50 To 100, Deduct</i>	-17.76	
			<i>For &gt;100, Deduct</i>	-25.15	
			<i>For 9' Door Height, Add</i>	36.85	
08 14 16 00-0306	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	305.67	62.66
			<i>For &gt;50 To 100, Deduct</i>	-18.42	
			<i>For &gt;100, Deduct</i>	-26.06	
			<i>For 9' Door Height, Add</i>	37.87	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 16 00-0307	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	315.44		62.66
		<i>For &gt;50 To 100, Deduct</i>	-18.91		
		<i>For &gt;100, Deduct</i>	-26.79		
		<i>For 9' Door Height, Add</i>	39.93		
08 14 16 00-0308	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	320.33		62.66
		<i>For &gt;50 To 100, Deduct</i>	-19.15		
		<i>For &gt;100, Deduct</i>	-27.16		
		<i>For 9' Door Height, Add</i>	40.95		
08 14 16 00-0309	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	330.64		65.38
		<i>For &gt;50 To 100, Deduct</i>	-19.80		
		<i>For &gt;100, Deduct</i>	-28.07		
		<i>For 9' Door Height, Add</i>	41.97		
08 14 16 00-0310	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	341.79		65.38
		<i>For &gt;50 To 100, Deduct</i>	-20.36		
		<i>For &gt;100, Deduct</i>	-28.90		
		<i>For 9' Door Height, Add</i>	44.31		
08 14 16 00-0311	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	383.49		68.11
		<i>For &gt;50 To 100, Deduct</i>	-22.58		
		<i>For &gt;100, Deduct</i>	-32.17		
		<i>For 9' Door Height, Add</i>	51.93		
08 14 16 00-0312	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	395.84		68.11
		<i>For &gt;50 To 100, Deduct</i>	-23.20		
		<i>For &gt;100, Deduct</i>	-33.09		
		<i>For 9' Door Height, Add</i>	54.52		
08 14 16 00-0313	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	420.58		68.11
		<i>For &gt;50 To 100, Deduct</i>	-24.43		
		<i>For &gt;100, Deduct</i>	-34.95		
		<i>For 9' Door Height, Add</i>	59.72		
08 14 16 00-0314		<b>1-3/8" Thick, Particleboard Core (PC), Wood Doors</b> <small>(08 14 16)</small>			
		Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.			
08 14 16 00-0315		<b>Birch Faced Wood Doors</b> <small>(08 14 16 00-0314)</small>			
08 14 16 00-0316	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	304.54		59.93
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.69		
		<i>For Stave Lumber Core (SLC), Add</i>	138.50		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	83.10		
		<i>For &gt;50 To 100, Deduct</i>	-18.22		
		<i>For &gt;100, Deduct</i>	-25.84		
08 14 16 00-0317	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	304.57		59.93
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.69		
		<i>For Stave Lumber Core (SLC), Add</i>	138.53		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	83.12		
		<i>For &gt;50 To 100, Deduct</i>	-18.23		
		<i>For &gt;100, Deduct</i>	-25.84		
08 14 16 00-0318	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	319.70		62.66
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.69		
		<i>For Stave Lumber Core (SLC), Add</i>	145.79		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	87.47		
		<i>For &gt;50 To 100, Deduct</i>	-19.12		
		<i>For &gt;100, Deduct</i>	-27.11		
08 14 16 00-0319	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	329.38		62.66
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.08		
		<i>For Stave Lumber Core (SLC), Add</i>	153.05		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	91.83		
		<i>For &gt;50 To 100, Deduct</i>	-19.60		
		<i>For &gt;100, Deduct</i>	-27.84		
08 14 16 00-0320	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	335.29		62.66
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.20		
		<i>For Stave Lumber Core (SLC), Add</i>	157.48		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	94.49		
		<i>For &gt;50 To 100, Deduct</i>	-19.90		
		<i>For &gt;100, Deduct</i>	-28.28		
08 14 16 00-0321	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	346.68		65.38
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.32		
		<i>For Stave Lumber Core (SLC), Add</i>	161.93		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	97.16		
		<i>For &gt;50 To 100, Deduct</i>	-20.60		
		<i>For &gt;100, Deduct</i>	-29.27		
08 14 16 00-0322	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	370.36		65.38
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.79		
		<i>For Stave Lumber Core (SLC), Add</i>	179.69		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	107.82		
		<i>For &gt;50 To 100, Deduct</i>	-21.79		
		<i>For &gt;100, Deduct</i>	-31.05		
08 14 16 00-0323	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	391.14		68.11
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.10		
		<i>For Stave Lumber Core (SLC), Add</i>	191.19		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	114.71		
		<i>For &gt;50 To 100, Deduct</i>	-22.96		
		<i>For &gt;100, Deduct</i>	-32.74		

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0324	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	315.29 -3.91 146.57 87.94 -18.76 -26.64	59.93
08 14 16 00-0325	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	315.30 -3.91 146.57 87.94 -18.76 -26.64	59.93
08 14 16 00-0326	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	331.01 -4.11 154.27 92.56 -19.68 -27.96	62.66
08 14 16 00-0327	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	341.27 -4.32 161.96 97.18 -20.20 -28.73	62.66
08 14 16 00-0328	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	347.52 -4.44 166.65 99.99 -20.51 -29.20	62.66
08 14 16 00-0329	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	359.24 -4.57 171.35 102.81 -21.23 -30.21	65.38
08 14 16 00-0330	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	384.31 -5.07 190.16 114.09 -22.48 -32.09	65.38
08 14 16 00-0331	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	405.97 -5.40 202.31 121.39 -23.70 -33.85	68.11
08 14 16 00-0332	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	353.41 -4.67 175.16 105.09 -20.67 -29.50 49.04	59.93
08 14 16 00-0333	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	353.41 -4.67 175.16 105.09 -20.67 -29.50 49.04	59.93
08 14 16 00-0334	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	371.12 -4.92 184.35 110.61 -21.69 -30.97 51.62	62.66
08 14 16 00-0335	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	383.38 -5.16 193.55 116.13 -22.30 -31.89 54.19	62.66
08 14 16 00-0336	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	390.85 -5.31 199.15 119.49 -22.68 -32.45 55.76	62.66



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0337 EA 3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	403.80	65.38
For 7 Ply Cold Press Construction, Deduct	-5.46	
For Stave Lumber Core (SLC), Add	204.77	
For Structural Composite Lumber Core (SCLC), Add	122.86	
For >50 To 100, Deduct	-23.46	
For >100, Deduct	-33.55	
For 9' Door Height, Add	57.34	
08 14 16 00-0338 EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	433.75	65.38
For 7 Ply Cold Press Construction, Deduct	-6.06	
For Stave Lumber Core (SLC), Add	227.24	
For Structural Composite Lumber Core (SCLC), Add	136.34	
For >50 To 100, Deduct	-24.96	
For >100, Deduct	-35.80	
For 9' Door Height, Add	63.63	
08 14 16 00-0339 EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	458.57	68.11
For 7 Ply Cold Press Construction, Deduct	-6.45	
For Stave Lumber Core (SLC), Add	241.76	
For Structural Composite Lumber Core (SCLC), Add	145.06	
For >50 To 100, Deduct	-26.33	
For >100, Deduct	-37.80	
For 9' Door Height, Add	67.69	
<b>08 14 16 00-0340 Oak Faced Wood Doors (08 14 16 00-0314)</b>		
08 14 16 00-0341 EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....	347.74	59.93
For 7 Ply Cold Press Construction, Deduct	-4.56	
For Stave Lumber Core (SLC), Add	170.90	
For Structural Composite Lumber Core (SCLC), Add	102.54	
For >50 To 100, Deduct	-20.38	
For >100, Deduct	-29.08	
08 14 16 00-0342 EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....	347.74	59.93
For 7 Ply Cold Press Construction, Deduct	-4.56	
For Stave Lumber Core (SLC), Add	170.90	
For Structural Composite Lumber Core (SCLC), Add	102.54	
For >50 To 100, Deduct	-20.38	
For >100, Deduct	-29.08	
08 14 16 00-0343 EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....	365.18	62.66
For 7 Ply Cold Press Construction, Deduct	-4.80	
For Stave Lumber Core (SLC), Add	179.90	
For Structural Composite Lumber Core (SCLC), Add	107.94	
For >50 To 100, Deduct	-21.39	
For >100, Deduct	-30.52	
08 14 16 00-0344 EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....	377.15	62.66
For 7 Ply Cold Press Construction, Deduct	-5.04	
For Stave Lumber Core (SLC), Add	188.87	
For Structural Composite Lumber Core (SCLC), Add	113.32	
For >50 To 100, Deduct	-21.99	
For >100, Deduct	-31.42	
08 14 16 00-0345 EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....	384.43	62.66
For 7 Ply Cold Press Construction, Deduct	-5.18	
For Stave Lumber Core (SLC), Add	194.33	
For Structural Composite Lumber Core (SCLC), Add	116.60	
For >50 To 100, Deduct	-22.35	
For >100, Deduct	-31.97	
08 14 16 00-0346 EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....	397.20	65.38
For 7 Ply Cold Press Construction, Deduct	-5.33	
For Stave Lumber Core (SLC), Add	199.82	
For Structural Composite Lumber Core (SCLC), Add	119.89	
For >50 To 100, Deduct	-23.13	
For >100, Deduct	-33.06	
08 14 16 00-0347 EA 3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....	426.43	65.38
For 7 Ply Cold Press Construction, Deduct	-5.91	
For Stave Lumber Core (SLC), Add	221.75	
For Structural Composite Lumber Core (SCLC), Add	133.05	
For >50 To 100, Deduct	-24.59	
For >100, Deduct	-35.25	
08 14 16 00-0348 EA 3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....	450.77	68.11
For 7 Ply Cold Press Construction, Deduct	-6.29	
For Stave Lumber Core (SLC), Add	235.91	
For Structural Composite Lumber Core (SCLC), Add	141.55	
For >50 To 100, Deduct	-25.94	
For >100, Deduct	-37.21	
08 14 16 00-0349 EA 2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....	360.99	59.93
For 7 Ply Cold Press Construction, Deduct	-4.82	
For Stave Lumber Core (SLC), Add	180.84	
For Structural Composite Lumber Core (SCLC), Add	108.50	
For >50 To 100, Deduct	-21.05	
For >100, Deduct	-30.07	
08 14 16 00-0350 EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....	360.99	59.93
For 7 Ply Cold Press Construction, Deduct	-4.82	
For Stave Lumber Core (SLC), Add	180.84	
For Structural Composite Lumber Core (SCLC), Add	108.50	
For >50 To 100, Deduct	-21.05	
For >100, Deduct	-30.07	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0351	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	379.16	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.08	
			<i>For Stave Lumber Core (SLC), Add</i>	190.38	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	114.23	
			<i>For &gt;50 To 100, Deduct</i>	-22.09	
			<i>For &gt;100, Deduct</i>	-31.57	
08 14 16 00-0352	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	391.81	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.33	
			<i>For Stave Lumber Core (SLC), Add</i>	199.87	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	119.92	
			<i>For &gt;50 To 100, Deduct</i>	-22.72	
			<i>For &gt;100, Deduct</i>	-32.52	
08 14 16 00-0353	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	399.51	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.48	
			<i>For Stave Lumber Core (SLC), Add</i>	205.64	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	123.39	
			<i>For &gt;50 To 100, Deduct</i>	-23.11	
			<i>For &gt;100, Deduct</i>	-33.10	
08 14 16 00-0354	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	412.70	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.64	
			<i>For Stave Lumber Core (SLC), Add</i>	211.45	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	126.87	
			<i>For &gt;50 To 100, Deduct</i>	-23.90	
			<i>For &gt;100, Deduct</i>	-34.22	
08 14 16 00-0355	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	443.64	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.26	
			<i>For Stave Lumber Core (SLC), Add</i>	234.65	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	140.79	
			<i>For &gt;50 To 100, Deduct</i>	-25.45	
			<i>For &gt;100, Deduct</i>	-36.54	
08 14 16 00-0356	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	469.09	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.66	
			<i>For Stave Lumber Core (SLC), Add</i>	249.65	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	149.79	
			<i>For &gt;50 To 100, Deduct</i>	-26.86	
			<i>For &gt;100, Deduct</i>	-38.59	
08 14 16 00-0357	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	408.01	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.76	
			<i>For Stave Lumber Core (SLC), Add</i>	216.11	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	129.66	
			<i>For &gt;50 To 100, Deduct</i>	-23.40	
			<i>For &gt;100, Deduct</i>	-33.60	
			<i>For 9' Door Height, Add</i>	60.51	
08 14 16 00-0358	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	408.01	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.76	
			<i>For Stave Lumber Core (SLC), Add</i>	216.11	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	129.66	
			<i>For &gt;50 To 100, Deduct</i>	-23.40	
			<i>For &gt;100, Deduct</i>	-33.60	
			<i>For 9' Door Height, Add</i>	60.51	
08 14 16 00-0359	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	428.66	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.07	
			<i>For Stave Lumber Core (SLC), Add</i>	227.51	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	136.50	
			<i>For &gt;50 To 100, Deduct</i>	-24.57	
			<i>For &gt;100, Deduct</i>	-35.28	
			<i>For 9' Door Height, Add</i>	63.70	
08 14 16 00-0360	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	443.77	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.37	
			<i>For Stave Lumber Core (SLC), Add</i>	238.84	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	143.30	
			<i>For &gt;50 To 100, Deduct</i>	-25.32	
			<i>For &gt;100, Deduct</i>	-36.42	
			<i>For 9' Door Height, Add</i>	66.87	
08 14 16 00-0361	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	452.97	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.55	
			<i>For Stave Lumber Core (SLC), Add</i>	245.74	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	147.44	
			<i>For &gt;50 To 100, Deduct</i>	-25.78	
			<i>For &gt;100, Deduct</i>	-37.11	
			<i>For 9' Door Height, Add</i>	68.81	
08 14 16 00-0362	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	467.69	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.74	
			<i>For Stave Lumber Core (SLC), Add</i>	252.69	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	151.61	
			<i>For &gt;50 To 100, Deduct</i>	-26.65	
			<i>For &gt;100, Deduct</i>	-38.35	
			<i>For 9' Door Height, Add</i>	70.75	
08 14 16 00-0363	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	504.66	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.48	
			<i>For Stave Lumber Core (SLC), Add</i>	280.42	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	168.25	
			<i>For &gt;50 To 100, Deduct</i>	-28.50	
			<i>For &gt;100, Deduct</i>	-41.12	
			<i>For 9' Door Height, Add</i>	78.52	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 14 16 00-0364	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	534.00	68.11
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.96	
				<i>For Stave Lumber Core (SLC), Add</i>	298.34	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	179.00	
				<i>For &gt;50 To 100, Deduct</i>	-30.11	
				<i>For &gt;100, Deduct</i>	-43.46	
				<i>For 9' Door Height, Add</i>	83.53	
	<b>08 14 16 00-0365</b>			<b>Maple Faced Wood Doors</b> <small>(08 14 16 00-0314)</small>		
	08 14 16 00-0366	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	393.31	59.93
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.47	
				<i>For Stave Lumber Core (SLC), Add</i>	205.08	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	123.05	
				<i>For &gt;50 To 100, Deduct</i>	-22.66	
				<i>For &gt;100, Deduct</i>	-32.50	
	08 14 16 00-0367	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	393.31	59.93
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.47	
				<i>For Stave Lumber Core (SLC), Add</i>	205.08	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	123.05	
				<i>For &gt;50 To 100, Deduct</i>	-22.66	
				<i>For &gt;100, Deduct</i>	-32.50	
	08 14 16 00-0368	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	413.16	62.66
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.76	
				<i>For Stave Lumber Core (SLC), Add</i>	215.88	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	129.53	
				<i>For &gt;50 To 100, Deduct</i>	-23.79	
				<i>For &gt;100, Deduct</i>	-34.12	
	08 14 16 00-0369	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	427.52	62.66
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.04	
				<i>For Stave Lumber Core (SLC), Add</i>	226.65	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	135.99	
				<i>For &gt;50 To 100, Deduct</i>	-24.51	
				<i>For &gt;100, Deduct</i>	-35.20	
	08 14 16 00-0370	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	436.24	62.66
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.22	
				<i>For Stave Lumber Core (SLC), Add</i>	233.19	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	139.91	
				<i>For &gt;50 To 100, Deduct</i>	-24.95	
				<i>For &gt;100, Deduct</i>	-35.85	
	08 14 16 00-0371	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	450.48	65.38
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.39	
				<i>For Stave Lumber Core (SLC), Add</i>	239.78	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	143.87	
				<i>For &gt;50 To 100, Deduct</i>	-25.79	
				<i>For &gt;100, Deduct</i>	-37.06	
	08 14 16 00-0372	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	485.56	65.38
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.10	
				<i>For Stave Lumber Core (SLC), Add</i>	266.09	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	159.66	
				<i>For &gt;50 To 100, Deduct</i>	-27.55	
				<i>For &gt;100, Deduct</i>	-39.69	
	08 14 16 00-0373	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	513.68	68.11
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.55	
				<i>For Stave Lumber Core (SLC), Add</i>	283.10	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	169.86	
				<i>For &gt;50 To 100, Deduct</i>	-29.09	
				<i>For &gt;100, Deduct</i>	-41.93	
	08 14 16 00-0374	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	409.21	59.93
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.79	
				<i>For Stave Lumber Core (SLC), Add</i>	217.01	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	130.20	
				<i>For &gt;50 To 100, Deduct</i>	-23.46	
				<i>For &gt;100, Deduct</i>	-33.69	
	08 14 16 00-0375	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	409.21	59.93
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.79	
				<i>For Stave Lumber Core (SLC), Add</i>	217.01	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	130.20	
				<i>For &gt;50 To 100, Deduct</i>	-23.46	
				<i>For &gt;100, Deduct</i>	-33.69	
	08 14 16 00-0376	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	429.92	62.66
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.09	
				<i>For Stave Lumber Core (SLC), Add</i>	228.45	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	137.07	
				<i>For &gt;50 To 100, Deduct</i>	-24.63	
				<i>For &gt;100, Deduct</i>	-35.38	
	08 14 16 00-0377	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	445.12	62.66
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.40	
				<i>For Stave Lumber Core (SLC), Add</i>	239.85	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	143.91	
				<i>For &gt;50 To 100, Deduct</i>	-25.39	
				<i>For &gt;100, Deduct</i>	-36.52	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0378	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	454.35	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.58	
			<i>For Stave Lumber Core (SLC), Add</i>	246.77	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	148.06	
			<i>For &gt;50 To 100, Deduct</i>	-25.85	
			<i>For &gt;100, Deduct</i>	-37.21	
08 14 16 00-0379	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	469.10	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.77	
			<i>For Stave Lumber Core (SLC), Add</i>	253.75	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	152.25	
			<i>For &gt;50 To 100, Deduct</i>	-26.72	
			<i>For &gt;100, Deduct</i>	-38.45	
08 14 16 00-0380	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	506.22	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.51	
			<i>For Stave Lumber Core (SLC), Add</i>	281.59	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	168.95	
			<i>For &gt;50 To 100, Deduct</i>	-28.58	
			<i>For &gt;100, Deduct</i>	-41.24	
08 14 16 00-0381	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	535.65	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.99	
			<i>For Stave Lumber Core (SLC), Add</i>	299.57	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	179.74	
			<i>For &gt;50 To 100, Deduct</i>	-30.19	
			<i>For &gt;100, Deduct</i>	-43.58	
08 14 16 00-0382	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	465.63	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.92	
			<i>For Stave Lumber Core (SLC), Add</i>	259.32	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	155.59	
			<i>For &gt;50 To 100, Deduct</i>	-26.28	
			<i>For &gt;100, Deduct</i>	-37.92	
			<i>For 9' Door Height, Add</i>	72.61	
08 14 16 00-0383	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	465.63	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.92	
			<i>For Stave Lumber Core (SLC), Add</i>	259.32	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	155.59	
			<i>For &gt;50 To 100, Deduct</i>	-26.28	
			<i>For &gt;100, Deduct</i>	-37.92	
			<i>For 9' Door Height, Add</i>	72.61	
08 14 16 00-0384	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	489.31	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.28	
			<i>For Stave Lumber Core (SLC), Add</i>	272.99	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	163.80	
			<i>For &gt;50 To 100, Deduct</i>	-27.60	
			<i>For &gt;100, Deduct</i>	-39.83	
			<i>For 9' Door Height, Add</i>	76.44	
08 14 16 00-0385	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	507.45	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.64	
			<i>For Stave Lumber Core (SLC), Add</i>	286.60	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	171.96	
			<i>For &gt;50 To 100, Deduct</i>	-28.51	
			<i>For &gt;100, Deduct</i>	-41.19	
			<i>For 9' Door Height, Add</i>	80.25	
08 14 16 00-0386	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	518.52	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.86	
			<i>For Stave Lumber Core (SLC), Add</i>	294.90	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	176.94	
			<i>For &gt;50 To 100, Deduct</i>	-29.06	
			<i>For &gt;100, Deduct</i>	-42.02	
			<i>For 9' Door Height, Add</i>	82.57	
08 14 16 00-0387	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	535.06	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.09	
			<i>For Stave Lumber Core (SLC), Add</i>	303.22	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	181.93	
			<i>For &gt;50 To 100, Deduct</i>	-30.02	
			<i>For &gt;100, Deduct</i>	-43.40	
			<i>For 9' Door Height, Add</i>	84.90	
08 14 16 00-0388	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	579.44	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.97	
			<i>For Stave Lumber Core (SLC), Add</i>	336.50	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	201.90	
			<i>For &gt;50 To 100, Deduct</i>	-32.24	
			<i>For &gt;100, Deduct</i>	-46.73	
			<i>For 9' Door Height, Add</i>	94.22	
08 14 16 00-0389	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	613.55	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.55	
			<i>For Stave Lumber Core (SLC), Add</i>	358.00	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	214.80	
			<i>For &gt;50 To 100, Deduct</i>	-34.08	
			<i>For &gt;100, Deduct</i>	-49.42	
			<i>For 9' Door Height, Add</i>	100.24	
<b>08 14 16 00-0390</b>			<b>Lauan Faced Wood Doors</b> (08 14 16 00-0314)		
08 14 16 00-0391	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	257.40	59.93
			<i>For &gt;50 To 100, Deduct</i>	-15.87	
			<i>For &gt;100, Deduct</i>	-22.30	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0392	EA			2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	257.40 -15.87 -22.30	59.93
08 14 16 00-0393	EA			2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	270.38 -16.65 -23.41	62.66
08 14 16 00-0394	EA			2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	277.96 -17.03 -23.98	62.66
08 14 16 00-0395	EA			2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	281.77 -17.22 -24.27	62.66
08 14 16 00-0396	EA			3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	291.06 -17.82 -25.10	65.38
08 14 16 00-0397	EA			3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	308.66 -18.70 -26.42	65.38
08 14 16 00-0398	EA			3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	328.05 -19.81 -28.01	68.11
08 14 16 00-0399	EA			2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	265.41 -16.27 -22.90	59.93
08 14 16 00-0400	EA			2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	265.41 -16.27 -22.90	59.93
08 14 16 00-0401	EA			2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	278.83 -17.07 -24.05	62.66
08 14 16 00-0402	EA			2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	286.85 -17.48 -24.65	62.66
08 14 16 00-0403	EA			2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	290.89 -17.68 -24.95	62.66
08 14 16 00-0404	EA			3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	300.38 -18.29 -25.80	65.38
08 14 16 00-0405	EA			3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	319.03 -19.22 -27.20	65.38
08 14 16 00-0406	EA			3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	339.20 -20.37 -28.85	68.11
08 14 16 00-0407	EA			2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	293.80 -17.69 -25.03	59.93
08 14 16 00-0408	EA			2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	293.80 -17.69 -25.03 36.53	59.93
08 14 16 00-0409	EA			2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	308.76 -18.57 -26.29 38.52	62.66
08 14 16 00-0410	EA			2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	318.35 -19.05 -27.01 40.54	62.66
08 14 16 00-0411	EA			2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	323.18 -19.29 -27.37 41.55	62.66
08 14 16 00-0412	EA			3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	333.46 -19.94 -28.28 42.56	65.38
08 14 16 00-0413	EA			3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	355.73 -21.06 -29.95 47.24	65.38
08 14 16 00-0414	EA			3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	378.78 -22.34 -31.81 50.94	68.11
<b>08 14 16 00-0415 Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0314)</b>						
08 14 16 00-0416	EA			2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	275.18 116.48 69.89 -16.76 -23.64	59.93

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0417	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	275.18 116.48 69.89 -16.76 -23.64	59.93
08 14 16 00-0418	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	289.66 123.26 73.95 -17.62 -24.86	62.66
08 14 16 00-0419	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	298.65 130.00 78.00 -18.07 -25.53	62.66
08 14 16 00-0420	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	300.30 131.24 78.74 -18.15 -25.66	62.66
08 14 16 00-0421	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	307.43 132.50 79.50 -18.64 -26.33	65.38
08 14 16 00-0422	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	326.92 147.11 88.27 -19.62 -27.79	65.38
08 14 16 00-0423	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	367.90 173.76 104.26 -21.80 -31.00	68.11
08 14 16 00-0424	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	284.22 123.26 73.96 -17.21 -24.31	59.93
08 14 16 00-0425	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	284.24 123.28 73.97 -17.21 -24.31	59.93
08 14 16 00-0426	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	299.22 130.43 78.26 -18.09 -25.57	62.66
08 14 16 00-0427	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	308.74 137.57 82.54 -18.57 -26.29	62.66
08 14 16 00-0428	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	310.50 138.89 83.33 -18.66 -26.42	62.66
08 14 16 00-0429	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	317.71 140.21 84.12 -19.15 -27.10	65.38
08 14 16 00-0430	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	338.33 155.67 93.40 -20.19 -28.64	65.38
08 14 16 00-0431	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	381.40 183.89 110.33 -22.48 -32.01	68.11
08 14 16 00-0432	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	316.26 147.29 88.38 -18.81 -26.72 41.24	59.93
08 14 16 00-0433	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	316.29 147.32 88.39 -18.81 -26.72 41.25	59.93



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors and Frames</b>	<b>08 10</b>	
<b>Wood Doors</b>	<b>08 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0434 EA 2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	333.13	62.66
For Stave Lumber Core (SLC), Add	155.86	
For Structural Composite Lumber Core (SCLC), Add	93.51	
For >50 To 100, Deduct	-19.79	
For >100, Deduct	-28.12	
For 9' Door Height, Add	43.64	
08 14 16 00-0435 EA 2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	344.50	62.66
For Stave Lumber Core (SLC), Add	164.39	
For Structural Composite Lumber Core (SCLC), Add	98.63	
For >50 To 100, Deduct	-20.36	
For >100, Deduct	-28.97	
For 9' Door Height, Add	46.03	
08 14 16 00-0436 EA 2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	346.59	62.66
For Stave Lumber Core (SLC), Add	165.95	
For Structural Composite Lumber Core (SCLC), Add	99.57	
For >50 To 100, Deduct	-20.46	
For >100, Deduct	-29.13	
For 9' Door Height, Add	46.47	
08 14 16 00-0437 EA 3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	354.17	65.38
For Stave Lumber Core (SLC), Add	167.55	
For Structural Composite Lumber Core (SCLC), Add	100.53	
For >50 To 100, Deduct	-20.98	
For >100, Deduct	-29.83	
For 9' Door Height, Add	46.91	
08 14 16 00-0438 EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	378.82	65.38
For Stave Lumber Core (SLC), Add	186.04	
For Structural Composite Lumber Core (SCLC), Add	111.62	
For >50 To 100, Deduct	-22.21	
For >100, Deduct	-31.68	
For 9' Door Height, Add	52.09	
08 14 16 00-0439 EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	429.21	68.11
For Stave Lumber Core (SLC), Add	219.74	
For Structural Composite Lumber Core (SCLC), Add	131.85	
For >50 To 100, Deduct	-24.87	
For >100, Deduct	-35.60	
For 9' Door Height, Add	61.53	
<b>08 14 16 00-0440 1-3/4" Thick, Particleboard Core (PC), Wood Doors</b> <small>(08 14 16)</small>		
Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
<b>08 14 16 00-0441 Birch Faced Wood Doors</b> <small>(08 14 16 00-0440)</small>		
08 14 16 00-0442 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	344.65	59.93
For 7 Ply Cold Press Construction, Deduct	-4.50	
For Stave Lumber Core (SLC), Add	168.59	
For Structural Composite Lumber Core (SCLC), Add	101.15	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.97	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	121.38	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	168.59	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	269.74	
For >50 To 100, Deduct	-20.23	
For >100, Deduct	-28.85	
08 14 16 00-0443 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	344.65	59.93
For 7 Ply Cold Press Construction, Deduct	-4.50	
For Stave Lumber Core (SLC), Add	168.59	
For Structural Composite Lumber Core (SCLC), Add	101.15	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.97	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	121.38	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	168.59	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	269.74	
For >50 To 100, Deduct	-20.23	
For >100, Deduct	-28.85	
08 14 16 00-0444 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	338.26	62.66
For 7 Ply Cold Press Construction, Deduct	-4.26	
For Stave Lumber Core (SLC), Add	159.71	
For Structural Composite Lumber Core (SCLC), Add	95.82	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.55	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	114.99	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	159.71	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	255.53	
For >50 To 100, Deduct	-20.05	
For >100, Deduct	-28.50	
08 14 16 00-0445 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	347.13	62.66
For 7 Ply Cold Press Construction, Deduct	-4.44	
For Stave Lumber Core (SLC), Add	166.36	
For Structural Composite Lumber Core (SCLC), Add	99.81	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.62	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	119.78	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	166.36	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	266.17	
For >50 To 100, Deduct	-20.49	
For >100, Deduct	-29.17	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0446	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	353.07	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.56	
			<i>For Stave Lumber Core (SLC), Add</i>	170.81	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	102.49	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.33	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	122.99	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	170.81	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	273.30	
			<i>For &gt;50 To 100, Deduct</i>	-20.79	
			<i>For &gt;100, Deduct</i>	-29.61	
08 14 16 00-0447	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	364.43	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.67	
			<i>For Stave Lumber Core (SLC), Add</i>	175.25	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	105.15	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.04	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	126.18	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	175.25	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	280.39	
			<i>For &gt;50 To 100, Deduct</i>	-21.49	
			<i>For &gt;100, Deduct</i>	-30.60	
08 14 16 00-0448	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	390.12	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.19	
			<i>For Stave Lumber Core (SLC), Add</i>	194.51	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	116.71	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.12	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	140.05	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	194.51	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	311.22	
			<i>For &gt;50 To 100, Deduct</i>	-22.78	
			<i>For &gt;100, Deduct</i>	-32.53	
08 14 16 00-0449	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	451.10	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.30	
			<i>For Stave Lumber Core (SLC), Add</i>	236.16	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	141.70	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	37.79	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	170.04	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	236.16	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	377.86	
			<i>For &gt;50 To 100, Deduct</i>	-25.96	
			<i>For &gt;100, Deduct</i>	-37.24	
08 14 16 00-0450	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	466.84	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.61	
			<i>For Stave Lumber Core (SLC), Add</i>	247.97	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	148.78	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	39.67	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	178.53	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	247.97	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	396.74	
			<i>For &gt;50 To 100, Deduct</i>	-26.75	
			<i>For &gt;100, Deduct</i>	-38.42	
08 14 16 00-0451	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	509.22	73.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.24	
			<i>For Stave Lumber Core (SLC), Add</i>	271.58	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	162.95	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	43.45	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	195.53	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	271.58	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	434.52	
			<i>For &gt;50 To 100, Deduct</i>	-29.14	
			<i>For &gt;100, Deduct</i>	-41.87	
08 14 16 00-0452	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	334.02	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.28	
			<i>For Stave Lumber Core (SLC), Add</i>	160.61	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	96.37	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.70	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	115.64	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	160.61	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	256.98	
			<i>For &gt;50 To 100, Deduct</i>	-19.70	
			<i>For &gt;100, Deduct</i>	-28.05	
08 14 16 00-0453	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	334.02	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.28	
			<i>For Stave Lumber Core (SLC), Add</i>	160.61	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	96.37	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.70	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	115.64	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	160.61	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	256.98	
			<i>For &gt;50 To 100, Deduct</i>	-19.70	
			<i>For &gt;100, Deduct</i>	-28.05	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors and Frames</b>	<b>08 10</b>	
<b>Wood Doors</b>	<b>08 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0454 EA 2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	350.66 -4.51 169.01 101.40 27.04 121.68 169.01 270.41 -20.67 -29.43	62.66
08 14 16 00-0455 EA 2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	360.05 -4.69 176.05 105.63 28.17 126.75 176.05 281.68 -21.14 -30.14	62.66
08 14 16 00-0456 EA 2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	366.32 -4.82 180.75 108.45 28.92 130.14 180.75 289.20 -21.45 -30.61	62.66
08 14 16 00-0457 EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	378.02 -4.95 185.44 111.26 29.67 133.52 185.44 296.70 -22.17 -31.62	65.38
08 14 16 00-0458 EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	405.21 -5.49 205.83 123.50 32.93 148.20 205.83 329.33 -23.53 -33.66	65.38
08 14 16 00-0459 EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	469.43 -6.66 249.91 149.94 39.99 179.93 249.91 399.85 -26.88 -38.61	68.11
08 14 16 00-0460 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	486.09 -7.00 262.40 157.44 41.98 188.93 262.40 419.84 -27.71 -39.86	68.11
08 14 16 00-0461 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	530.30 -7.66 287.39 172.43 45.98 206.92 287.39 459.82 -30.19 -43.45	73.56

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0462	EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	404.11 -5.68 213.18 127.91 34.11 153.49 213.18 341.09 -23.20 -33.31 59.69	59.93
08 14 16 00-0463	EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	404.11 -5.68 213.18 127.91 34.11 153.49 213.18 341.09 -23.20 -33.31 59.69	59.93
08 14 16 00-0464	EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	394.60 -5.39 201.96 121.18 32.31 145.41 201.96 323.14 -22.86 -32.73 56.55	62.66
08 14 16 00-0465	EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	405.81 -5.61 210.37 126.22 33.66 151.46 210.37 336.59 -23.42 -33.57 58.90	62.66
08 14 16 00-0466	EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	413.31 -5.76 215.99 129.60 34.56 155.51 215.99 345.59 -23.80 -34.13 60.48	62.66
08 14 16 00-0467	EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	426.22 -5.91 221.59 132.95 35.45 159.54 221.59 354.54 -24.58 -35.24 62.04	65.38
08 14 16 00-0468	EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	458.72 -6.56 245.96 147.58 39.35 177.09 245.96 393.54 -26.21 -37.67 68.87	65.38



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0469 EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	534.39 -7.96 298.63 179.18 47.78 215.01 298.63 477.80 -30.13 -43.48 83.62	68.11
08 14 16 00-0470 EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	554.30 -8.36 313.56 188.14 50.17 225.76 313.56 501.70 -31.12 -44.98 87.80	68.11
08 14 16 00-0471 EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	605.02 -9.16 343.43 206.06 54.95 247.27 343.43 549.48 -33.93 -49.05 96.16	73.56
<b>08 14 16 00-0472 Oak Faced Wood Doors</b> (08 14 16 00-0440)		
08 14 16 00-0473 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	423.48 -6.07 227.71 136.62 36.43 163.95 227.71 364.33 -24.17 -34.76	59.93
08 14 16 00-0474 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	423.48 -6.07 227.71 136.62 36.43 163.95 227.71 364.33 -24.17 -34.76	59.93
08 14 16 00-0475 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	428.93 -6.07 227.71 136.62 36.43 163.95 227.71 364.33 -24.58 -35.30	62.66
08 14 16 00-0476 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	432.05 -6.13 230.05 138.03 36.81 165.63 230.05 368.08 -24.74 -35.54	62.66
08 14 16 00-0477 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	433.46 -6.16 231.11 138.66 36.98 166.40 231.11 369.77 -24.81 -35.64	62.66

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0478	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	440.31	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.19	
			<i>For Stave Lumber Core (SLC), Add</i>	232.16	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	139.29	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	37.14	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	167.15	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	232.16	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	371.45	
			<i>For &gt;50 To 100, Deduct</i>	-25.28	
			<i>For &gt;100, Deduct</i>	-36.29	
08 14 16 00-0479	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	474.32	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.87	
			<i>For Stave Lumber Core (SLC), Add</i>	257.66	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	154.60	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	41.23	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	185.52	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	257.66	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	412.26	
			<i>For &gt;50 To 100, Deduct</i>	-26.99	
			<i>For &gt;100, Deduct</i>	-38.84	
08 14 16 00-0480	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	567.32	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.62	
			<i>For Stave Lumber Core (SLC), Add</i>	323.33	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	194.00	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	51.73	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	232.79	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	323.33	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	517.32	
			<i>For &gt;50 To 100, Deduct</i>	-31.77	
			<i>For &gt;100, Deduct</i>	-45.95	
08 14 16 00-0481	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	589.17	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.06	
			<i>For Stave Lumber Core (SLC), Add</i>	339.71	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	203.83	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	54.35	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	244.59	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	339.71	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	543.54	
			<i>For &gt;50 To 100, Deduct</i>	-32.86	
			<i>For &gt;100, Deduct</i>	-47.59	
08 14 16 00-0482	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	642.89	73.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.92	
			<i>For Stave Lumber Core (SLC), Add</i>	371.83	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	223.10	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	59.49	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	267.72	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	371.83	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	594.92	
			<i>For &gt;50 To 100, Deduct</i>	-35.82	
			<i>For &gt;100, Deduct</i>	-51.89	
08 14 16 00-0483	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	441.14	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.43	
			<i>For Stave Lumber Core (SLC), Add</i>	240.95	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	144.57	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.55	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	173.49	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	240.95	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	385.52	
			<i>For &gt;50 To 100, Deduct</i>	-25.05	
			<i>For &gt;100, Deduct</i>	-36.08	
08 14 16 00-0484	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	441.14	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.43	
			<i>For Stave Lumber Core (SLC), Add</i>	240.95	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	144.57	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.55	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	173.49	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	240.95	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	385.52	
			<i>For &gt;50 To 100, Deduct</i>	-25.05	
			<i>For &gt;100, Deduct</i>	-36.08	
08 14 16 00-0485	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	446.59	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.43	
			<i>For Stave Lumber Core (SLC), Add</i>	240.95	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	144.57	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.55	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	173.49	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	240.95	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	385.52	
			<i>For &gt;50 To 100, Deduct</i>	-25.46	
			<i>For &gt;100, Deduct</i>	-36.63	





<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors and Frames</b>	<b>08 10</b>	
<b>Wood Doors</b>	<b>08 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0486 EA 2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	449.89	62.66
For 7 Ply Cold Press Construction, Deduct	-6.49	
For Stave Lumber Core (SLC), Add	243.43	
For Structural Composite Lumber Core (SCLC), Add	146.06	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.95	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	175.27	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	243.43	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	389.48	
For >50 To 100, Deduct	-25.63	
For >100, Deduct	-36.87	
08 14 16 00-0487 EA 2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	451.39	62.66
For 7 Ply Cold Press Construction, Deduct	-6.52	
For Stave Lumber Core (SLC), Add	244.55	
For Structural Composite Lumber Core (SCLC), Add	146.73	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.13	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	176.08	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	244.55	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	391.28	
For >50 To 100, Deduct	-25.70	
For >100, Deduct	-36.99	
08 14 16 00-0488 EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	458.33	65.38
For 7 Ply Cold Press Construction, Deduct	-6.55	
For Stave Lumber Core (SLC), Add	245.67	
For Structural Composite Lumber Core (SCLC), Add	147.40	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.31	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	176.88	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	245.67	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	393.07	
For >50 To 100, Deduct	-26.19	
For >100, Deduct	-37.64	
08 14 16 00-0489 EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	494.31	65.38
For 7 Ply Cold Press Construction, Deduct	-7.27	
For Stave Lumber Core (SLC), Add	272.66	
For Structural Composite Lumber Core (SCLC), Add	163.59	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.62	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	196.31	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	272.66	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	436.25	
For >50 To 100, Deduct	-27.98	
For >100, Deduct	-40.34	
08 14 16 00-0490 EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	592.41	68.11
For 7 Ply Cold Press Construction, Deduct	-9.12	
For Stave Lumber Core (SLC), Add	342.14	
For Structural Composite Lumber Core (SCLC), Add	205.29	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.74	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	246.34	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	342.14	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	547.43	
For >50 To 100, Deduct	-33.03	
For >100, Deduct	-47.84	
08 14 16 00-0491 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	615.53	68.11
For 7 Ply Cold Press Construction, Deduct	-9.59	
For Stave Lumber Core (SLC), Add	359.48	
For Structural Composite Lumber Core (SCLC), Add	215.69	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	57.52	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	258.83	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	359.48	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	575.17	
For >50 To 100, Deduct	-34.18	
For >100, Deduct	-49.57	
08 14 16 00-0492 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	671.73	73.56
For 7 Ply Cold Press Construction, Deduct	-10.49	
For Stave Lumber Core (SLC), Add	393.46	
For Structural Composite Lumber Core (SCLC), Add	236.07	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	62.95	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	283.29	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	393.46	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	629.53	
For >50 To 100, Deduct	-37.26	
For >100, Deduct	-54.06	
08 14 16 00-0493 EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	503.77	59.93
For 7 Ply Cold Press Construction, Deduct	-7.68	
For Stave Lumber Core (SLC), Add	287.93	
For Structural Composite Lumber Core (SCLC), Add	172.76	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.07	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	207.31	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	287.93	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	460.68	
For >50 To 100, Deduct	-28.19	
For >100, Deduct	-40.78	
For 9' Door Height, Add	80.62	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0494	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	503.77	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.68	
			<i>For Stave Lumber Core (SLC), Add</i>	287.93	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	172.76	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	46.07	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	207.31	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	287.93	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	460.68	
			<i>For &gt;50 To 100, Deduct</i>	-28.19	
			<i>For &gt;100, Deduct</i>	-40.78	
			<i>For 9' Door Height, Add</i>	80.62	
08 14 16 00-0495	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	509.22	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.68	
			<i>For Stave Lumber Core (SLC), Add</i>	287.93	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	172.76	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	46.07	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	207.31	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	287.93	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	460.68	
			<i>For &gt;50 To 100, Deduct</i>	-28.59	
			<i>For &gt;100, Deduct</i>	-41.32	
			<i>For 9' Door Height, Add</i>	80.62	
08 14 16 00-0496	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	513.18	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.76	
			<i>For Stave Lumber Core (SLC), Add</i>	290.90	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	174.54	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	46.54	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	209.44	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	290.90	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	465.43	
			<i>For &gt;50 To 100, Deduct</i>	-28.79	
			<i>For &gt;100, Deduct</i>	-41.62	
			<i>For 9' Door Height, Add</i>	81.45	
08 14 16 00-0497	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	514.98	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.79	
			<i>For Stave Lumber Core (SLC), Add</i>	292.25	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	175.35	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	46.76	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	210.42	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	292.25	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	467.59	
			<i>For &gt;50 To 100, Deduct</i>	-28.88	
			<i>For &gt;100, Deduct</i>	-41.76	
			<i>For 9' Door Height, Add</i>	81.83	
08 14 16 00-0498	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	522.20	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.83	
			<i>For Stave Lumber Core (SLC), Add</i>	293.57	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	176.14	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	46.97	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	211.37	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	293.57	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	469.72	
			<i>For &gt;50 To 100, Deduct</i>	-29.38	
			<i>For &gt;100, Deduct</i>	-42.43	
			<i>For 9' Door Height, Add</i>	82.20	
08 14 16 00-0499	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	565.19	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.69	
			<i>For Stave Lumber Core (SLC), Add</i>	325.82	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	195.49	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	52.13	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	234.59	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	325.82	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	521.30	
			<i>For &gt;50 To 100, Deduct</i>	-31.53	
			<i>For &gt;100, Deduct</i>	-45.66	
			<i>For 9' Door Height, Add</i>	91.23	
08 14 16 00-0500	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	681.37	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.90	
			<i>For Stave Lumber Core (SLC), Add</i>	408.86	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	245.32	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	65.42	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	294.38	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	408.86	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	654.18	
			<i>For &gt;50 To 100, Deduct</i>	-37.47	
			<i>For &gt;100, Deduct</i>	-54.51	
			<i>For 9' Door Height, Add</i>	114.48	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0501 EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	708.99	68.11
For 7 Ply Cold Press Construction, Deduct	-11.46	
For Stave Lumber Core (SLC), Add	429.58	
For Structural Composite Lumber Core (SCLC), Add	257.75	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	68.73	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	309.30	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	429.58	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	687.32	
For >50 To 100, Deduct	-38.86	
For >100, Deduct	-56.58	
For 9' Door Height, Add	120.28	
08 14 16 00-0502 EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	774.03	73.56
For 7 Ply Cold Press Construction, Deduct	-12.54	
For Stave Lumber Core (SLC), Add	470.18	
For Structural Composite Lumber Core (SCLC), Add	282.11	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	75.23	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	338.53	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	470.18	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	752.29	
For >50 To 100, Deduct	-42.38	
For >100, Deduct	-61.73	
For 9' Door Height, Add	131.65	
<b>08 14 16 00-0503 Maple Faced Wood Doors (08 14 16 00-0440)</b>		
08 14 16 00-0504 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	484.19	59.93
For 7 Ply Cold Press Construction, Deduct	-7.29	
For Stave Lumber Core (SLC), Add	273.24	
For Structural Composite Lumber Core (SCLC), Add	163.94	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.72	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	196.73	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	273.24	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	437.18	
For >50 To 100, Deduct	-27.21	
For >100, Deduct	-39.31	
08 14 16 00-0505 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	484.19	59.93
For 7 Ply Cold Press Construction, Deduct	-7.29	
For Stave Lumber Core (SLC), Add	273.24	
For Structural Composite Lumber Core (SCLC), Add	163.94	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.72	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	196.73	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	273.24	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	437.18	
For >50 To 100, Deduct	-27.21	
For >100, Deduct	-39.31	
08 14 16 00-0506 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	489.64	62.66
For 7 Ply Cold Press Construction, Deduct	-7.29	
For Stave Lumber Core (SLC), Add	273.24	
For Structural Composite Lumber Core (SCLC), Add	163.94	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.72	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	196.73	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	273.24	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	437.18	
For >50 To 100, Deduct	-27.62	
For >100, Deduct	-39.86	
08 14 16 00-0507 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	493.39	62.66
For 7 Ply Cold Press Construction, Deduct	-7.36	
For Stave Lumber Core (SLC), Add	276.05	
For Structural Composite Lumber Core (SCLC), Add	166.63	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.17	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	198.76	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	276.05	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	441.68	
For >50 To 100, Deduct	-27.80	
For >100, Deduct	-40.14	
08 14 16 00-0508 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	495.07	62.66
For 7 Ply Cold Press Construction, Deduct	-7.40	
For Stave Lumber Core (SLC), Add	277.31	
For Structural Composite Lumber Core (SCLC), Add	166.39	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.37	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	199.67	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	277.31	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	443.70	
For >50 To 100, Deduct	-27.89	
For >100, Deduct	-40.26	
08 14 16 00-0509 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	502.23	65.38
For 7 Ply Cold Press Construction, Deduct	-7.43	
For Stave Lumber Core (SLC), Add	278.60	
For Structural Composite Lumber Core (SCLC), Add	167.16	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.58	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	200.59	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	278.60	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	445.75	
For >50 To 100, Deduct	-28.38	
For >100, Deduct	-40.94	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0510	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....543.04	543.04	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.25	
			<i>For Stave Lumber Core (SLC), Add</i>	309.20	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	185.52	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	49.47	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	222.63	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	309.20	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	494.72	
			<i>For &gt;50 To 100, Deduct</i>	-30.42	
			<i>For &gt;100, Deduct</i>	-44.00	
08 14 16 00-0511	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....627.67	627.67	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.83	
			<i>For Stave Lumber Core (SLC), Add</i>	368.59	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	221.15	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	58.97	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	265.38	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	368.59	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	589.74	
			<i>For &gt;50 To 100, Deduct</i>	-34.79	
			<i>For &gt;100, Deduct</i>	-50.48	
08 14 16 00-0512	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....679.39	679.39	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.86	
			<i>For Stave Lumber Core (SLC), Add</i>	407.38	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	244.43	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	65.18	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	293.31	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	407.38	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	651.80	
			<i>For &gt;50 To 100, Deduct</i>	-37.38	
			<i>For &gt;100, Deduct</i>	-54.36	
08 14 16 00-0513	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....731.17	731.17	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.90	
			<i>For Stave Lumber Core (SLC), Add</i>	446.21	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	267.73	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	71.39	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	321.27	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	446.21	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	713.94	
			<i>For &gt;50 To 100, Deduct</i>	-39.96	
			<i>For &gt;100, Deduct</i>	-58.24	
08 14 16 00-0514	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....505.39	505.39	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.71	
			<i>For Stave Lumber Core (SLC), Add</i>	289.14	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	173.48	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	46.26	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	208.18	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	289.14	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	462.62	
			<i>For &gt;50 To 100, Deduct</i>	-28.27	
			<i>For &gt;100, Deduct</i>	-40.90	
08 14 16 00-0515	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....505.39	505.39	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.71	
			<i>For Stave Lumber Core (SLC), Add</i>	289.14	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	173.48	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	46.26	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	208.18	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	289.14	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	462.62	
			<i>For &gt;50 To 100, Deduct</i>	-28.27	
			<i>For &gt;100, Deduct</i>	-40.90	
08 14 16 00-0516	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....510.84	510.84	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.71	
			<i>For Stave Lumber Core (SLC), Add</i>	289.14	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	173.48	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	46.26	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	208.18	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	289.14	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	462.62	
			<i>For &gt;50 To 100, Deduct</i>	-28.68	
			<i>For &gt;100, Deduct</i>	-41.45	
08 14 16 00-0517	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....514.80	514.80	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.79	
			<i>For Stave Lumber Core (SLC), Add</i>	292.11	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	175.27	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	46.74	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	210.32	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	292.11	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	467.38	
			<i>For &gt;50 To 100, Deduct</i>	-28.87	
			<i>For &gt;100, Deduct</i>	-41.74	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors and Frames</b>	<b>08 10</b>	
<b>Wood Doors</b>	<b>08 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0518 EA 2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	516.60	62.66
For 7 Ply Cold Press Construction, Deduct	-7.83	
For Stave Lumber Core (SLC), Add	293.46	
For Structural Composite Lumber Core (SCLC), Add	176.08	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.95	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	211.29	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	293.46	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	469.54	
For >50 To 100, Deduct	-28.96	
For >100, Deduct	-41.88	
08 14 16 00-0519 EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	523.85	65.38
For 7 Ply Cold Press Construction, Deduct	-7.86	
For Stave Lumber Core (SLC), Add	294.81	
For Structural Composite Lumber Core (SCLC), Add	176.89	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.17	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	212.26	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	294.81	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	471.70	
For >50 To 100, Deduct	-29.46	
For >100, Deduct	-42.56	
08 14 16 00-0520 EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	567.02	65.38
For 7 Ply Cold Press Construction, Deduct	-8.73	
For Stave Lumber Core (SLC), Add	327.19	
For Structural Composite Lumber Core (SCLC), Add	196.31	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.35	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	235.58	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	327.19	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	523.50	
For >50 To 100, Deduct	-31.62	
For >100, Deduct	-45.80	
08 14 16 00-0521 EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	656.28	68.11
For 7 Ply Cold Press Construction, Deduct	-10.40	
For Stave Lumber Core (SLC), Add	390.05	
For Structural Composite Lumber Core (SCLC), Add	234.03	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	62.41	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	280.83	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	390.05	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	624.07	
For >50 To 100, Deduct	-36.22	
For >100, Deduct	-52.63	
08 14 16 00-0522 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	711.02	68.11
For 7 Ply Cold Press Construction, Deduct	-11.50	
For Stave Lumber Core (SLC), Add	431.10	
For Structural Composite Lumber Core (SCLC), Add	258.66	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	68.98	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	310.39	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	431.10	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	689.76	
For >50 To 100, Deduct	-38.96	
For >100, Deduct	-56.73	
08 14 16 00-0523 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	765.80	68.11
For 7 Ply Cold Press Construction, Deduct	-12.59	
For Stave Lumber Core (SLC), Add	472.19	
For Structural Composite Lumber Core (SCLC), Add	283.31	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	75.55	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	339.97	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	472.19	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	755.50	
For >50 To 100, Deduct	-41.70	
For >100, Deduct	-60.84	
08 14 16 00-0524 EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	580.56	59.93
For 7 Ply Cold Press Construction, Deduct	-9.21	
For Stave Lumber Core (SLC), Add	345.52	
For Structural Composite Lumber Core (SCLC), Add	207.31	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.28	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	248.77	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	345.52	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	552.83	
For >50 To 100, Deduct	-32.02	
For >100, Deduct	-46.54	
For 9' Door Height, Add	96.74	
08 14 16 00-0525 EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	580.56	59.93
For 7 Ply Cold Press Construction, Deduct	-9.21	
For Stave Lumber Core (SLC), Add	345.52	
For Structural Composite Lumber Core (SCLC), Add	207.31	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.28	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	248.77	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	345.52	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	552.83	
For >50 To 100, Deduct	-32.02	
For >100, Deduct	-46.54	
For 9' Door Height, Add	96.74	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0526	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	586.01	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.21	
			<i>For Stave Lumber Core (SLC), Add</i>	345.52	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	207.31	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	55.28	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	248.77	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	345.52	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	552.83	
			<i>For &gt;50 To 100, Deduct</i>	-32.43	
			<i>For &gt;100, Deduct</i>	-47.08	
			<i>For 9' Door Height, Add</i>	96.74	
08 14 16 00-0527	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	590.75	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.31	
			<i>For Stave Lumber Core (SLC), Add</i>	349.07	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	209.44	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	55.85	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	251.33	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	349.07	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	558.52	
			<i>For &gt;50 To 100, Deduct</i>	-32.67	
			<i>For &gt;100, Deduct</i>	-47.44	
			<i>For 9' Door Height, Add</i>	97.74	
08 14 16 00-0528	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	592.90	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.35	
			<i>For Stave Lumber Core (SLC), Add</i>	350.69	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	210.41	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	56.11	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	252.49	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	350.69	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	561.10	
			<i>For &gt;50 To 100, Deduct</i>	-32.78	
			<i>For &gt;100, Deduct</i>	-47.60	
			<i>For 9' Door Height, Add</i>	98.19	
08 14 16 00-0529	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	600.48	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.39	
			<i>For Stave Lumber Core (SLC), Add</i>	352.28	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	211.37	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	56.37	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	253.64	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	352.28	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	563.65	
			<i>For &gt;50 To 100, Deduct</i>	-33.29	
			<i>For &gt;100, Deduct</i>	-48.31	
			<i>For 9' Door Height, Add</i>	98.64	
08 14 16 00-0530	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	652.08	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.43	
			<i>For Stave Lumber Core (SLC), Add</i>	390.98	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	234.59	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	62.56	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	281.51	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	390.98	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	625.57	
			<i>For &gt;50 To 100, Deduct</i>	-35.87	
			<i>For &gt;100, Deduct</i>	-52.18	
			<i>For 9' Door Height, Add</i>	109.48	
08 14 16 00-0531	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	757.68	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-12.43	
			<i>For Stave Lumber Core (SLC), Add</i>	466.10	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	279.66	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	74.58	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	335.59	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	466.10	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	745.75	
			<i>For &gt;50 To 100, Deduct</i>	-41.29	
			<i>For &gt;100, Deduct</i>	-60.23	
			<i>For 9' Door Height, Add</i>	130.51	
08 14 16 00-0532	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	823.10	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-13.74	
			<i>For Stave Lumber Core (SLC), Add</i>	515.16	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	309.10	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	82.43	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	370.92	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	515.16	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	824.26	
			<i>For &gt;50 To 100, Deduct</i>	-44.56	
			<i>For &gt;100, Deduct</i>	-65.14	
			<i>For 9' Door Height, Add</i>	144.24	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0533 EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	888.55	68.11
For 7 Ply Cold Press Construction, Deduct	-15.05	
For Stave Lumber Core (SLC), Add	564.25	
For Structural Composite Lumber Core (SCLC), Add	338.55	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	90.28	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	406.26	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	564.25	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	902.80	
For >50 To 100, Deduct	-47.83	
For >100, Deduct	-70.05	
For 9' Door Height, Add	157.99	
<b>08 14 16 00-0534 Walnut Faced Wood Doors (08 14 16 00-0440)</b>		
08 14 16 00-0535 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	585.69	59.93
For 7 Ply Cold Press Construction, Deduct	-9.32	
For Stave Lumber Core (SLC), Add	349.37	
For Structural Composite Lumber Core (SCLC), Add	209.62	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.90	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	251.54	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	349.37	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	558.98	
For >50 To 100, Deduct	-32.28	
For >100, Deduct	-46.92	
08 14 16 00-0536 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	585.69	59.93
For 7 Ply Cold Press Construction, Deduct	-9.32	
For Stave Lumber Core (SLC), Add	349.37	
For Structural Composite Lumber Core (SCLC), Add	209.62	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.90	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	251.54	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	349.37	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	558.98	
For >50 To 100, Deduct	-32.28	
For >100, Deduct	-46.92	
08 14 16 00-0537 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	591.29	62.66
For 7 Ply Cold Press Construction, Deduct	-9.32	
For Stave Lumber Core (SLC), Add	349.48	
For Structural Composite Lumber Core (SCLC), Add	209.69	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.92	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	251.62	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	349.48	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	559.16	
For >50 To 100, Deduct	-32.70	
For >100, Deduct	-47.48	
08 14 16 00-0538 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	596.08	62.66
For 7 Ply Cold Press Construction, Deduct	-9.42	
For Stave Lumber Core (SLC), Add	353.07	
For Structural Composite Lumber Core (SCLC), Add	211.84	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	56.49	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	254.21	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	353.07	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	564.91	
For >50 To 100, Deduct	-32.94	
For >100, Deduct	-47.84	
08 14 16 00-0539 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	608.65	62.66
For 7 Ply Cold Press Construction, Deduct	-9.67	
For Stave Lumber Core (SLC), Add	362.50	
For Structural Composite Lumber Core (SCLC), Add	217.50	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	58.00	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	261.00	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	362.50	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	580.00	
For >50 To 100, Deduct	-33.57	
For >100, Deduct	-48.78	
08 14 16 00-0540 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	626.63	65.38
For 7 Ply Cold Press Construction, Deduct	-9.92	
For Stave Lumber Core (SLC), Add	371.90	
For Structural Composite Lumber Core (SCLC), Add	223.14	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	59.50	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	267.76	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	371.90	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	595.03	
For >50 To 100, Deduct	-34.60	
For >100, Deduct	-50.27	
08 14 16 00-0541 EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	659.19	65.38
For 7 Ply Cold Press Construction, Deduct	-10.57	
For Stave Lumber Core (SLC), Add	396.32	
For Structural Composite Lumber Core (SCLC), Add	237.79	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	63.41	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	285.35	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	396.32	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	634.10	
For >50 To 100, Deduct	-36.23	
For >100, Deduct	-52.71	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0542	EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	802.08 -13.32 499.40 299.64 79.90 359.56 499.40 799.03 -43.51 -63.56	68.11
08 14 16 00-0543	EA 3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	835.36 -13.98 524.36 314.61 83.90 377.54 524.36 838.97 -45.17 -66.06	68.11
08 14 16 00-0544	EA 4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	901.99 -15.32 574.33 344.60 91.89 413.52 574.33 918.92 -48.51 -71.05	68.11
08 14 16 00-0545	EA 2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	612.79 -9.86 369.69 221.81 59.15 266.18 369.69 591.50 -33.64 -48.96	59.93
08 14 16 00-0546	EA 2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	612.79 -9.86 369.69 221.81 59.15 266.18 369.69 591.50 -33.64 -48.96	59.93
08 14 16 00-0547	EA 2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	618.39 -9.86 369.80 221.88 59.17 266.26 369.80 591.68 -34.05 -49.51	62.66
08 14 16 00-0548	EA 2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	623.49 -9.96 373.63 224.18 59.78 269.01 373.63 597.80 -34.31 -49.89	62.66
08 14 16 00-0549	EA 2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	636.77 -10.23 383.59 230.15 61.37 276.18 383.59 613.74 -34.97 -50.89	62.66





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0550	EA			3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	655.47 -10.49 393.53 236.12 62.96 283.34 393.53 629.64 -36.04 -52.43	65.38
08 14 16 00-0551	EA			3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	689.95 -11.18 419.39 251.63 67.10 301.96 419.39 671.02 -37.77 -55.02	65.38
08 14 16 00-0552	EA			3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	840.82 -14.09 528.45 317.07 84.55 380.48 528.45 845.52 -45.45 -66.47	68.11
08 14 16 00-0553	EA			3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	876.05 -14.80 554.87 332.92 88.78 399.51 554.87 887.80 -47.21 -69.11	68.11
08 14 16 00-0554	EA			4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	946.54 -16.21 607.74 364.64 97.24 437.57 607.74 972.38 -50.73 -74.40	68.11
08 14 16 00-0555	EA			2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	708.92 -11.78 441.79 265.07 70.69 318.09 441.79 706.86 -38.44 -56.17 123.70	59.93
08 14 16 00-0556	EA			2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	708.92 -11.78 441.79 265.07 70.69 318.09 441.79 706.86 -38.44 -56.17 123.70	59.93
08 14 16 00-0557	EA			2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	714.55 -11.78 441.92 265.15 70.71 318.18 441.92 707.08 -38.86 -56.72 123.74	62.66

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0558	EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	720.63 -11.91 446.48 267.89 71.44 321.47 446.48 714.37 -39.16 -57.18 125.02	62.66
08 14 16 00-0559	EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	736.49 -12.22 458.38 275.03 73.34 330.03 458.38 733.40 -39.96 -58.37 128.35	62.66
08 14 16 00-0560	EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	757.80 -12.54 470.27 282.16 75.24 338.60 470.27 752.44 -41.16 -60.10 131.68	65.38
08 14 16 00-0561	EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	799.00 -13.36 501.17 300.70 80.19 360.84 501.17 801.88 -43.22 -63.19 140.33	65.38
08 14 16 00-0562	EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	978.23 -16.84 631.51 378.90 101.04 454.69 631.51 1,010.41 -52.32 -76.77 176.82	68.11
08 14 16 00-0563	EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	1,020.33 -17.68 663.08 397.85 106.09 477.42 663.08 1,060.93 -54.42 -79.93 185.66	68.11
08 14 16 00-0564	EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	1,104.55 -19.37 726.25 435.75 116.20 522.90 726.25 1,162.00 -58.63 -86.25 203.35	68.11
<b>08 14 16 00-0565</b>	<b>Lauan Faced Wood Doors</b> (08 14 16 00-0440)		
08 14 16 00-0566	EA 2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	307.08 22.47 101.09 140.41 224.65 -18.35 -26.03	59.93



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0567	EA			2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... 307.08		59.93
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.47	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	101.09	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	140.41	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	224.65	
				<i>For &gt;50 To 100, Deduct</i>	-18.35	
				<i>For &gt;100, Deduct</i>	-26.03	
08 14 16 00-0568	EA			2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... 313.07		62.66
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.53	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	101.39	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	140.81	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	225.30	
				<i>For &gt;50 To 100, Deduct</i>	-18.79	
				<i>For &gt;100, Deduct</i>	-26.61	
08 14 16 00-0569	EA			2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... 318.47		62.66
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.18	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	104.30	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	144.86	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	231.78	
				<i>For &gt;50 To 100, Deduct</i>	-19.06	
				<i>For &gt;100, Deduct</i>	-27.02	
08 14 16 00-0570	EA			2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... 320.42		62.66
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.41	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	105.35	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	146.33	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	234.12	
				<i>For &gt;50 To 100, Deduct</i>	-19.15	
				<i>For &gt;100, Deduct</i>	-27.16	
08 14 16 00-0571	EA			3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... 327.82		65.38
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.65	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	106.41	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	147.79	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	236.46	
				<i>For &gt;50 To 100, Deduct</i>	-19.66	
				<i>For &gt;100, Deduct</i>	-27.86	
08 14 16 00-0572	EA			3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... 345.63		65.38
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.78	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	116.02	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	161.15	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	257.83	
				<i>For &gt;50 To 100, Deduct</i>	-20.55	
				<i>For &gt;100, Deduct</i>	-29.19	
08 14 16 00-0573	EA			3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... 366.40		68.11
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.62	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	124.30	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	172.64	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	276.22	
				<i>For &gt;50 To 100, Deduct</i>	-21.73	
				<i>For &gt;100, Deduct</i>	-30.89	
08 14 16 00-0574	EA			3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... 377.91		68.11
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.00	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	130.51	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	181.27	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	290.03	
				<i>For &gt;50 To 100, Deduct</i>	-22.30	
				<i>For &gt;100, Deduct</i>	-31.75	
08 14 16 00-0575	EA			4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... 400.94		68.11
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.77	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	142.95	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	198.54	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	317.66	
				<i>For &gt;50 To 100, Deduct</i>	-23.45	
				<i>For &gt;100, Deduct</i>	-33.48	
08 14 16 00-0576	EA			2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... 317.97		59.93
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.77	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	106.97	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	148.58	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	237.72	
				<i>For &gt;50 To 100, Deduct</i>	-18.90	
				<i>For &gt;100, Deduct</i>	-26.84	
08 14 16 00-0577	EA			2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... 317.97		59.93
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.77	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	106.97	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	148.58	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	237.72	
				<i>For &gt;50 To 100, Deduct</i>	-18.90	
				<i>For &gt;100, Deduct</i>	-26.84	
08 14 16 00-0578	EA			2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... 324.00		62.66
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.84	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	107.29	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	149.01	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	238.42	
				<i>For &gt;50 To 100, Deduct</i>	-19.33	
				<i>For &gt;100, Deduct</i>	-27.43	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0579	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	329.70	62.66
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.53	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	110.37	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	153.29	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	245.26	
			<i>For &gt;50 To 100, Deduct</i>	-19.62	
			<i>For &gt;100, Deduct</i>	-27.86	
08 14 16 00-0580	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	331.78	62.66
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.78	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	111.49	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	154.85	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	247.75	
			<i>For &gt;50 To 100, Deduct</i>	-19.72	
			<i>For &gt;100, Deduct</i>	-28.02	
08 14 16 00-0581	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	339.29	65.38
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.02	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	112.60	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	156.39	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	250.22	
			<i>For &gt;50 To 100, Deduct</i>	-20.23	
			<i>For &gt;100, Deduct</i>	-28.72	
08 14 16 00-0582	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	358.13	65.38
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.28	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	122.77	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	170.52	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	272.83	
			<i>For &gt;50 To 100, Deduct</i>	-21.18	
			<i>For &gt;100, Deduct</i>	-30.13	
08 14 16 00-0583	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	379.80	68.11
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.23	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	131.53	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	182.69	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	292.30	
			<i>For &gt;50 To 100, Deduct</i>	-22.40	
			<i>For &gt;100, Deduct</i>	-31.89	
08 14 16 00-0584	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	391.98	68.11
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	30.69	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	138.11	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	191.82	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	306.91	
			<i>For &gt;50 To 100, Deduct</i>	-23.00	
			<i>For &gt;100, Deduct</i>	-32.80	
08 14 16 00-0585	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	416.35	68.11
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	33.62	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	151.27	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	210.10	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	336.16	
			<i>For &gt;50 To 100, Deduct</i>	-24.22	
			<i>For &gt;100, Deduct</i>	-34.63	
08 14 16 00-0586	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	356.59	59.93
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.41	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	127.83	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	177.54	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	284.06	
			<i>For &gt;50 To 100, Deduct</i>	-20.83	
			<i>For &gt;100, Deduct</i>	-29.74	
			<i>For 9' Door Height, Add</i>	49.71	
08 14 16 00-0587	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	356.59	59.93
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.41	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	127.83	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	177.54	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	284.06	
			<i>For &gt;50 To 100, Deduct</i>	-20.83	
			<i>For &gt;100, Deduct</i>	-29.74	
			<i>For 9' Door Height, Add</i>	49.71	
08 14 16 00-0588	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	362.73	62.66
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.49	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	128.20	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	178.06	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	284.89	
			<i>For &gt;50 To 100, Deduct</i>	-21.27	
			<i>For &gt;100, Deduct</i>	-30.34	
			<i>For 9' Door Height, Add</i>	49.86	
08 14 16 00-0589	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	369.56	62.66
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.31	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	131.89	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	183.18	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	293.09	
			<i>For &gt;50 To 100, Deduct</i>	-21.61	
			<i>For &gt;100, Deduct</i>	-30.85	
			<i>For 9' Door Height, Add</i>	51.29	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0590 EA 2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	372.05 29.61 133.23 185.05 296.08 -21.74 -31.04 51.81	62.66
08 14 16 00-0591 EA 3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	379.96 29.90 134.56 186.89 299.03 -22.27 -31.77 52.33	65.38
08 14 16 00-0592 EA 3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	402.48 32.61 146.72 203.78 326.05 -23.39 -33.46 57.06	65.38
08 14 16 00-0593 EA 3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	427.30 34.93 157.18 218.31 349.30 -24.77 -35.45 61.13	68.11
08 14 16 00-0594 EA 3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	441.84 36.67 165.03 229.22 366.74 -25.50 -36.54 64.18	68.11
08 14 16 00-0595 EA 4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	470.98 40.17 180.77 251.07 401.71 -26.95 -38.73 70.30	68.11
<b>08 14 16 00-0596 Medium Density Overlay (MDO) Wood Doors (08 14 16 00-0440)</b>		
08 14 16 00-0597 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	315.03 146.37 87.82 23.42 -18.75 -26.62	59.93
08 14 16 00-0598 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	315.03 146.37 87.82 23.42 -18.75 -26.62	59.93
08 14 16 00-0599 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	331.78 154.85 92.91 24.78 -19.72 -28.02	62.66
08 14 16 00-0600 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	343.06 163.31 97.98 26.13 -20.29 -28.86	62.66
08 14 16 00-0601 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	345.16 164.88 98.93 26.38 -20.39 -29.02	62.66
08 14 16 00-0602 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	352.73 166.47 99.88 26.64 -20.91 -29.72	65.38

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0603	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	377.20 184.82 110.89 29.57 -22.13 -31.56	65.38
08 14 16 00-0604	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	427.32 218.33 131.00 34.93 -24.77 -35.45	68.11
08 14 16 00-0605	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	441.90 229.26 137.56 36.68 -25.50 -36.55	68.11
08 14 16 00-0606	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	470.98 251.07 150.64 40.17 -26.95 -38.73	68.11
08 14 16 00-0607	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	326.39 154.89 92.93 24.78 -19.32 -27.48	59.93
08 14 16 00-0608	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	326.39 154.89 92.93 24.78 -19.32 -27.48	59.93
08 14 16 00-0609	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	343.81 163.87 98.32 26.22 -20.32 -28.92	62.66
08 14 16 00-0610	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	355.74 172.82 103.69 27.65 -20.92 -29.81	62.66
08 14 16 00-0611	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	357.96 174.48 104.69 27.92 -21.03 -29.98	62.66
08 14 16 00-0612	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	365.66 176.17 105.70 28.19 -21.55 -30.69	65.38
08 14 16 00-0613	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	391.53 195.57 117.34 31.29 -22.85 -32.63	65.38
08 14 16 00-0614	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	444.27 231.04 138.62 36.97 -25.62 -36.73	68.11
08 14 16 00-0615	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	459.68 242.60 145.56 38.82 -26.39 -37.88	68.11
08 14 16 00-0616	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	490.47 265.69 159.41 42.51 -27.93 -40.19	68.11



<b>Openings</b>	<b>08</b>
<b>Doors and Frames</b>	<b>08 10</b>
<b>Wood Doors</b>	<b>08 14</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0617 EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	366.66	59.93
For Stave Lumber Core (SLC), Add	185.09	
For Structural Composite Lumber Core (SCLC), Add	111.06	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.61	
For >50 To 100, Deduct	-21.33	
For >100, Deduct	-30.50	
For 9' Door Height, Add	51.83	
08 14 16 00-0618 EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	366.66	59.93
For Stave Lumber Core (SLC), Add	185.09	
For Structural Composite Lumber Core (SCLC), Add	111.06	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.61	
For >50 To 100, Deduct	-21.33	
For >100, Deduct	-30.50	
For 9' Door Height, Add	51.83	
08 14 16 00-0619 EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	386.41	62.66
For Stave Lumber Core (SLC), Add	195.82	
For Structural Composite Lumber Core (SCLC), Add	117.49	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.33	
For >50 To 100, Deduct	-22.45	
For >100, Deduct	-32.11	
For 9' Door Height, Add	54.83	
08 14 16 00-0620 EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	400.68	62.66
For Stave Lumber Core (SLC), Add	206.52	
For Structural Composite Lumber Core (SCLC), Add	123.91	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.04	
For >50 To 100, Deduct	-23.17	
For >100, Deduct	-33.18	
For 9' Door Height, Add	57.83	
08 14 16 00-0621 EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	403.32	62.66
For Stave Lumber Core (SLC), Add	208.50	
For Structural Composite Lumber Core (SCLC), Add	125.10	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.36	
For >50 To 100, Deduct	-23.30	
For >100, Deduct	-33.38	
For 9' Door Height, Add	58.38	
08 14 16 00-0622 EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	411.47	65.38
For Stave Lumber Core (SLC), Add	210.53	
For Structural Composite Lumber Core (SCLC), Add	126.32	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.68	
For >50 To 100, Deduct	-23.84	
For >100, Deduct	-34.13	
For 9' Door Height, Add	58.95	
08 14 16 00-0623 EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	442.38	65.38
For Stave Lumber Core (SLC), Add	233.71	
For Structural Composite Lumber Core (SCLC), Add	140.22	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.39	
For >50 To 100, Deduct	-25.39	
For >100, Deduct	-36.45	
For 9' Door Height, Add	65.44	
08 14 16 00-0624 EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	504.32	68.11
For Stave Lumber Core (SLC), Add	276.08	
For Structural Composite Lumber Core (SCLC), Add	165.65	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.17	
For >50 To 100, Deduct	-28.62	
For >100, Deduct	-41.23	
For 9' Door Height, Add	77.30	
08 14 16 00-0625 EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	522.76	68.11
For Stave Lumber Core (SLC), Add	289.91	
For Structural Composite Lumber Core (SCLC), Add	173.94	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.38	
For >50 To 100, Deduct	-29.54	
For >100, Deduct	-42.61	
For 9' Door Height, Add	81.17	
08 14 16 00-0626 EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	559.55	68.11
For Stave Lumber Core (SLC), Add	317.50	
For Structural Composite Lumber Core (SCLC), Add	190.50	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	50.80	
For >50 To 100, Deduct	-31.38	
For >100, Deduct	-45.37	
For 9' Door Height, Add	88.90	
<b>08 14 16 00-0627 Manufacturer Prefinished Options For Flush Wood Doors</b> <small>(08 14 16)</small>		
08 14 16 00-0628 EA Two Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door.....	71.33	
Note: Includes (2) coats any standard manufacturer color on six sides.		
For Custom Color To Match Non Standard Manufacturer Finish, Add	23.75	
08 14 16 00-0629 EA Three Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door.....	106.99	
Note: Includes (3) coats any standard manufacturer color on six sides.		
For Custom Color To Match Non Standard Manufacturer Finish, Add	23.75	
<b>08 14 16 00-0630 Exterior Doors, Premium Grade Door</b> <small>(08 14 16)</small>		
Note: Window and Door Manufacturers Association (WDMA), Plain slice, book matched, Grade A Premium, pre-finished		

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 16 00-0631	EA	3' x 7' x 1-3/4" Window and Door Manufacturers Association (WDMA), White Birch, Solid Wood.....	1,569.88		65.38
		<i>For &gt;50 To 100, Deduct</i>	-81.76		
		<i>For &gt;100, Deduct</i>	-121.01		
08 14 16 00-0632	EA	3' x 7' x 1-3/4" Window and Door Manufacturers Association (WDMA), White Birch, Solid Wood, 60 - 90 Minute Fire Rated Doors .....	1,940.52		65.38
		<i>For &gt;50 To 100, Deduct</i>	-100.30		
		<i>For &gt;100, Deduct</i>	-148.81		
<b>08 14 16 00-0633</b>		<b>Semicircular Head Door, 1-3/4" Thick, Particleboard Core (PC), Wood Doors <small>(08 14 16)</small></b>			
08 14 16 00-0634	EA	2' x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door .....	2,576.17		47.95
08 14 16 00-0635	EA	2'-4" x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door .....	2,576.17		149.62
08 14 16 00-0636	EA	2'-6" x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door .....	2,576.17		47.95
<b>08 14 23</b>		<b>Clad Wood Doors <small>(08 14)</small></b>			
<b>08 14 23 13</b>		<b>Metal-Faced Wood Doors <small>(08 14 23)</small></b>			
		See CSI section 08 70 00 00-0000 for finish hardware.			
<b>08 14 23 13-0001</b>		<b>24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core <small>(08 14 23 13)</small></b>			
08 14 23 13-0002	EA	2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....	694.52		134.04
08 14 23 13-0003	EA	2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....	742.37		147.12
08 14 23 13-0004	EA	2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....	797.77		162.37
08 14 23 13-0005	EA	3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....	833.47		167.81
08 14 23 13-0006	EA	3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....	892.01		184.71
08 14 23 13-0007	EA	3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door .....	966.07		190.71
<b>08 14 23 16</b>		<b>Plastic-Laminate-Faced Wood Doors <small>(08 14 23)</small></b>			
<b>08 14 23 16-0001</b>		<b>1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors <small>(08 14 23 16)</small></b>			
		Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.			
08 14 23 16-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	288.67		59.93
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	75.96		
		<i>For 5 Ply Construction, Add</i>	5.91		
		<i>For &gt;50 To 100, Deduct</i>	-17.43		
		<i>For &gt;100, Deduct</i>	-24.65		
08 14 23 16-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	288.67		59.93
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	75.96		
		<i>For 5 Ply Construction, Add</i>	5.91		
		<i>For &gt;50 To 100, Deduct</i>	-17.43		
		<i>For &gt;100, Deduct</i>	-24.65		
08 14 23 16-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	303.40		62.66
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	80.14		
		<i>For 5 Ply Construction, Add</i>	6.23		
		<i>For &gt;50 To 100, Deduct</i>	-18.30		
		<i>For &gt;100, Deduct</i>	-25.89		
08 14 23 16-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	312.68		62.66
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	84.31		
		<i>For 5 Ply Construction, Add</i>	6.56		
		<i>For &gt;50 To 100, Deduct</i>	-18.77		
		<i>For &gt;100, Deduct</i>	-26.58		
08 14 23 16-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	317.37		62.66
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	86.42		
		<i>For 5 Ply Construction, Add</i>	6.72		
		<i>For &gt;50 To 100, Deduct</i>	-19.00		
		<i>For &gt;100, Deduct</i>	-26.94		
08 14 23 16-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	327.48		65.38
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	88.52		
		<i>For 5 Ply Construction, Add</i>	6.88		
		<i>For &gt;50 To 100, Deduct</i>	-19.64		
		<i>For &gt;100, Deduct</i>	-27.83		
08 14 23 16-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	349.11		65.38
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	98.25		
		<i>For 5 Ply Construction, Add</i>	7.64		
		<i>For &gt;50 To 100, Deduct</i>	-20.72		
		<i>For &gt;100, Deduct</i>	-29.45		
08 14 23 16-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	368.53		68.11
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	104.54		
		<i>For 5 Ply Construction, Add</i>	8.13		
		<i>For &gt;50 To 100, Deduct</i>	-21.83		
		<i>For &gt;100, Deduct</i>	-31.05		





<b>Openings</b>	<b>08</b>
<b>Doors and Frames</b>	<b>08 10</b>
<b>Wood Doors</b>	<b>08 14</b>

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 14 23 16-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	298.49	59.93
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	80.38	
		<i>For 5 Ply Construction, Add</i>	6.25	
		<i>For &gt;50 To 100, Deduct</i>	-17.92	
		<i>For &gt;100, Deduct</i>	-25.38	
08 14 23 16-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	298.49	59.93
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	80.38	
		<i>For 5 Ply Construction, Add</i>	6.25	
		<i>For &gt;50 To 100, Deduct</i>	-17.92	
		<i>For &gt;100, Deduct</i>	-25.38	
08 14 23 16-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	313.77	62.66
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	84.80	
		<i>For 5 Ply Construction, Add</i>	6.60	
		<i>For &gt;50 To 100, Deduct</i>	-18.82	
		<i>For &gt;100, Deduct</i>	-26.67	
08 14 23 16-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	323.59	62.66
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	89.22	
		<i>For 5 Ply Construction, Add</i>	6.94	
		<i>For &gt;50 To 100, Deduct</i>	-19.31	
		<i>For &gt;100, Deduct</i>	-27.40	
08 14 23 16-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	328.54	62.66
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	91.45	
		<i>For 5 Ply Construction, Add</i>	7.11	
		<i>For &gt;50 To 100, Deduct</i>	-19.56	
		<i>For &gt;100, Deduct</i>	-27.77	
08 14 23 16-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	338.93	65.38
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	93.67	
		<i>For 5 Ply Construction, Add</i>	7.29	
		<i>For &gt;50 To 100, Deduct</i>	-20.22	
		<i>For &gt;100, Deduct</i>	-28.69	
08 14 23 16-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	361.82	65.38
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	103.97	
		<i>For 5 Ply Construction, Add</i>	8.09	
		<i>For &gt;50 To 100, Deduct</i>	-21.36	
		<i>For &gt;100, Deduct</i>	-30.41	
08 14 23 16-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	382.05	68.11
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	110.62	
		<i>For 5 Ply Construction, Add</i>	8.60	
		<i>For &gt;50 To 100, Deduct</i>	-22.51	
		<i>For &gt;100, Deduct</i>	-32.06	
08 14 23 16-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	333.32	59.93
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	96.05	
		<i>For 5 Ply Construction, Add</i>	7.47	
		<i>For &gt;50 To 100, Deduct</i>	-19.66	
		<i>For &gt;100, Deduct</i>	-28.00	
08 14 23 16-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	333.32	59.93
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	96.05	
		<i>For 5 Ply Construction, Add</i>	7.47	
		<i>For &gt;50 To 100, Deduct</i>	-19.66	
		<i>For &gt;100, Deduct</i>	-28.00	
08 14 23 16-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	350.52	62.66
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	101.34	
		<i>For 5 Ply Construction, Add</i>	7.88	
		<i>For &gt;50 To 100, Deduct</i>	-20.66	
		<i>For &gt;100, Deduct</i>	-29.42	
08 14 23 16-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	362.26	62.66
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	106.62	
		<i>For 5 Ply Construction, Add</i>	8.29	
		<i>For &gt;50 To 100, Deduct</i>	-21.25	
		<i>For &gt;100, Deduct</i>	-30.30	
08 14 23 16-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	368.17	62.66
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	109.28	
		<i>For 5 Ply Construction, Add</i>	8.50	
		<i>For &gt;50 To 100, Deduct</i>	-21.54	
		<i>For &gt;100, Deduct</i>	-30.75	
08 14 23 16-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	379.52	65.38
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	111.94	
		<i>For 5 Ply Construction, Add</i>	8.71	
		<i>For &gt;50 To 100, Deduct</i>	-22.25	
		<i>For &gt;100, Deduct</i>	-31.73	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0024	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	406.87	65.38
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	124.25	
			<i>For 5 Ply Construction, Add</i>	9.66	
			<i>For &gt;50 To 100, Deduct</i>	-23.61	
			<i>For &gt;100, Deduct</i>	-33.78	
08 14 23 16-0025	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	429.99	68.11
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	132.20	
			<i>For 5 Ply Construction, Add</i>	10.28	
			<i>For &gt;50 To 100, Deduct</i>	-24.91	
			<i>For &gt;100, Deduct</i>	-35.65	
08 14 23 16-0026			<b>1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors</b> <small>(08 14 23 16)</small>		
			Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 16-0027	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	407.45	59.93
			<i>For 5 Ply Construction, Add</i>	10.07	
			<i>For Stave Lumber Core (SLC), Add</i>	215.69	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	129.41	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.51	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	155.29	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	215.69	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	345.10	
			<i>For &gt;50 To 100, Deduct</i>	-23.37	
			<i>For &gt;100, Deduct</i>	-33.56	
08 14 23 16-0028	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	407.44	59.93
			<i>For 5 Ply Construction, Add</i>	10.06	
			<i>For Stave Lumber Core (SLC), Add</i>	215.68	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	129.41	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.51	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	155.29	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	215.68	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	345.08	
			<i>For &gt;50 To 100, Deduct</i>	-23.37	
			<i>For &gt;100, Deduct</i>	-33.55	
08 14 23 16-0029	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	421.89	62.66
			<i>For 5 Ply Construction, Add</i>	10.38	
			<i>For Stave Lumber Core (SLC), Add</i>	222.43	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	133.46	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	35.59	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	160.15	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	222.43	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	355.88	
			<i>For &gt;50 To 100, Deduct</i>	-24.23	
			<i>For &gt;100, Deduct</i>	-34.77	
08 14 23 16-0030	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	421.89	62.66
			<i>For 5 Ply Construction, Add</i>	10.38	
			<i>For Stave Lumber Core (SLC), Add</i>	222.43	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	133.46	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	35.59	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	160.15	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	222.43	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	355.88	
			<i>For &gt;50 To 100, Deduct</i>	-24.23	
			<i>For &gt;100, Deduct</i>	-34.77	
08 14 23 16-0031	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	439.70	62.66
			<i>For 5 Ply Construction, Add</i>	11.00	
			<i>For Stave Lumber Core (SLC), Add</i>	235.79	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	141.47	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	37.73	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	169.77	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	235.79	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	377.26	
			<i>For &gt;50 To 100, Deduct</i>	-25.12	
			<i>For &gt;100, Deduct</i>	-36.11	
08 14 23 16-0032	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	462.96	65.38
			<i>For 5 Ply Construction, Add</i>	11.63	
			<i>For Stave Lumber Core (SLC), Add</i>	249.14	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	149.49	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	39.86	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	179.38	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	249.14	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	398.63	
			<i>For &gt;50 To 100, Deduct</i>	-26.42	
			<i>For &gt;100, Deduct</i>	-37.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0033 EA 3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	481.16	65.38
<i>For 5 Ply Construction, Add</i>	12.26	
<i>For Stave Lumber Core (SLC), Add</i>	262.79	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	157.68	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	42.05	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	189.21	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	262.79	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	420.47	
<i>For &gt;50 To 100, Deduct</i>	-27.33	
<i>For &gt;100, Deduct</i>	-39.36	
08 14 23 16-0034 EA 3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	495.70	68.11
<i>For 5 Ply Construction, Add</i>	12.58	
<i>For Stave Lumber Core (SLC), Add</i>	269.61	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	161.77	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	43.14	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	194.12	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	269.61	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	431.38	
<i>For &gt;50 To 100, Deduct</i>	-28.19	
<i>For &gt;100, Deduct</i>	-40.58	
08 14 23 16-0035 EA 3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	513.67	68.11
<i>For 5 Ply Construction, Add</i>	13.21	
<i>For Stave Lumber Core (SLC), Add</i>	283.09	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	169.85	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	45.29	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	203.82	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	283.09	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	452.94	
<i>For &gt;50 To 100, Deduct</i>	-29.09	
<i>For &gt;100, Deduct</i>	-41.93	
08 14 23 16-0036 EA 4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	560.52	73.56
<i>For 5 Ply Construction, Add</i>	14.47	
<i>For Stave Lumber Core (SLC), Add</i>	310.05	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	186.03	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	49.61	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	223.24	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	310.05	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	496.08	
<i>For &gt;50 To 100, Deduct</i>	-31.70	
<i>For &gt;100, Deduct</i>	-45.72	
08 14 23 16-0037 EA 2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	424.19	59.93
<i>For 5 Ply Construction, Add</i>	10.65	
<i>For Stave Lumber Core (SLC), Add</i>	228.24	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	136.94	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	36.52	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	164.33	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	228.24	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	365.18	
<i>For &gt;50 To 100, Deduct</i>	-24.21	
<i>For &gt;100, Deduct</i>	-34.81	
08 14 23 16-0038 EA 2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	424.18	59.93
<i>For 5 Ply Construction, Add</i>	10.65	
<i>For Stave Lumber Core (SLC), Add</i>	228.23	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	136.94	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	36.52	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	164.33	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	228.23	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	365.17	
<i>For &gt;50 To 100, Deduct</i>	-24.21	
<i>For &gt;100, Deduct</i>	-34.81	
08 14 23 16-0039 EA 2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	439.15	62.66
<i>For 5 Ply Construction, Add</i>	10.98	
<i>For Stave Lumber Core (SLC), Add</i>	235.37	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	141.22	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	37.66	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	169.47	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	235.37	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	376.60	
<i>For &gt;50 To 100, Deduct</i>	-25.09	
<i>For &gt;100, Deduct</i>	-36.07	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 14 23 16-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	439.15	62.66
		For 5 Ply Construction, Add	10.98	
		For Stave Lumber Core (SLC), Add	235.37	
		For Structural Composite Lumber Core (SCLC), Add	141.22	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.66	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	169.47	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	235.37	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	376.60	
		For >50 To 100, Deduct	-25.09	
		For >100, Deduct	-36.07	
08 14 23 16-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	457.99	62.66
		For 5 Ply Construction, Add	11.64	
		For Stave Lumber Core (SLC), Add	249.50	
		For Structural Composite Lumber Core (SCLC), Add	149.70	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.92	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	179.64	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	249.50	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	399.20	
		For >50 To 100, Deduct	-26.03	
		For >100, Deduct	-37.48	
08 14 23 16-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	482.30	65.38
		For 5 Ply Construction, Add	12.30	
		For Stave Lumber Core (SLC), Add	263.65	
		For Structural Composite Lumber Core (SCLC), Add	158.19	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.18	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	189.83	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	263.65	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	421.84	
		For >50 To 100, Deduct	-27.38	
		For >100, Deduct	-39.44	
08 14 23 16-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	501.55	65.38
		For 5 Ply Construction, Add	12.98	
		For Stave Lumber Core (SLC), Add	278.09	
		For Structural Composite Lumber Core (SCLC), Add	166.85	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.49	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	200.22	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	278.09	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	444.94	
		For >50 To 100, Deduct	-28.35	
		For >100, Deduct	-40.89	
08 14 23 16-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	516.62	68.11
		For 5 Ply Construction, Add	13.31	
		For Stave Lumber Core (SLC), Add	285.30	
		For Structural Composite Lumber Core (SCLC), Add	171.18	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.65	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	205.42	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	285.30	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	456.48	
		For >50 To 100, Deduct	-29.24	
		For >100, Deduct	-42.15	
08 14 23 16-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	535.63	68.11
		For 5 Ply Construction, Add	13.98	
		For Stave Lumber Core (SLC), Add	299.56	
		For Structural Composite Lumber Core (SCLC), Add	179.73	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.93	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	215.68	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	299.56	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	479.29	
		For >50 To 100, Deduct	-30.19	
		For >100, Deduct	-43.58	
08 14 23 16-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	584.58	73.56
		For 5 Ply Construction, Add	15.31	
		For Stave Lumber Core (SLC), Add	328.10	
		For Structural Composite Lumber Core (SCLC), Add	196.86	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.50	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	236.23	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	328.10	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	524.95	
		For >50 To 100, Deduct	-32.91	
		For >100, Deduct	-47.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0047 EA 2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	483.54	59.93
<i>For 5 Ply Construction, Add</i>	12.73	
<i>For Stave Lumber Core (SLC), Add</i>	272.75	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	163.65	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	43.64	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	196.38	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	272.75	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	436.40	
<i>For &gt;50 To 100, Deduct</i>	-27.17	
<i>For &gt;100, Deduct</i>	-39.26	
08 14 23 16-0048 EA 2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	483.52	59.93
<i>For 5 Ply Construction, Add</i>	12.73	
<i>For Stave Lumber Core (SLC), Add</i>	272.74	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	163.64	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	43.64	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	196.37	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	272.74	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	436.38	
<i>For &gt;50 To 100, Deduct</i>	-27.17	
<i>For &gt;100, Deduct</i>	-39.26	
08 14 23 16-0049 EA 2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	500.35	62.66
<i>For 5 Ply Construction, Add</i>	13.13	
<i>For Stave Lumber Core (SLC), Add</i>	281.27	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	168.76	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	45.00	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	202.52	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	281.27	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	450.04	
<i>For &gt;50 To 100, Deduct</i>	-28.15	
<i>For &gt;100, Deduct</i>	-40.66	
08 14 23 16-0050 EA 2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	500.35	62.66
<i>For 5 Ply Construction, Add</i>	13.13	
<i>For Stave Lumber Core (SLC), Add</i>	281.27	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	168.76	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	45.00	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	202.52	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	281.27	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	450.04	
<i>For &gt;50 To 100, Deduct</i>	-28.15	
<i>For &gt;100, Deduct</i>	-40.66	
08 14 23 16-0051 EA 2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	522.86	62.66
<i>For 5 Ply Construction, Add</i>	13.91	
<i>For Stave Lumber Core (SLC), Add</i>	298.16	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	178.89	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	47.70	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	214.67	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	298.16	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	477.05	
<i>For &gt;50 To 100, Deduct</i>	-29.28	
<i>For &gt;100, Deduct</i>	-42.35	
08 14 23 16-0052 EA 3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	550.84	65.38
<i>For 5 Ply Construction, Add</i>	14.70	
<i>For Stave Lumber Core (SLC), Add</i>	315.05	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	189.03	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	50.41	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	226.84	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	315.05	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	504.08	
<i>For &gt;50 To 100, Deduct</i>	-30.81	
<i>For &gt;100, Deduct</i>	-44.58	
08 14 23 16-0053 EA 3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	573.84	65.38
<i>For 5 Ply Construction, Add</i>	15.51	
<i>For Stave Lumber Core (SLC), Add</i>	332.30	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	199.38	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	53.17	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	239.26	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	332.30	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	531.68	
<i>For &gt;50 To 100, Deduct</i>	-31.96	
<i>For &gt;100, Deduct</i>	-46.31	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 14 23 16-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	590.79		68.11
		For 5 Ply Construction, Add	15.91		
		For Stave Lumber Core (SLC), Add	340.93		
		For Structural Composite Lumber Core (SCLC), Add	204.56		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.55		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	245.47		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	340.93		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	545.48		
		For >50 To 100, Deduct	-32.95		
		For >100, Deduct	-47.71		
08 14 23 16-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	613.51		68.11
		For 5 Ply Construction, Add	16.71		
		For Stave Lumber Core (SLC), Add	357.97		
		For Structural Composite Lumber Core (SCLC), Add	214.78		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	57.27		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	257.74		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	357.97		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	572.75		
		For >50 To 100, Deduct	-34.08		
		For >100, Deduct	-49.42		
08 14 23 16-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	669.88		73.56
		For 5 Ply Construction, Add	18.30		
		For Stave Lumber Core (SLC), Add	392.07		
		For Structural Composite Lumber Core (SCLC), Add	235.24		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	62.73		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	282.29		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	392.07		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	627.31		
		For >50 To 100, Deduct	-37.17		
		For >100, Deduct	-53.92		
<b>08 14 23 19 Molded-Hardboard-Faced Wood Doors (08 14 23)</b>					
<b>08 14 23 19-0001 1-3/8" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors (08 14 23 19)</b>					
08 14 23 19-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	231.26		59.93
		For >50 To 100, Deduct	-14.56		
		For >100, Deduct	-20.34		
08 14 23 19-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	231.26		59.93
		For >50 To 100, Deduct	-14.56		
		For >100, Deduct	-20.34		
08 14 23 19-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	244.83		62.66
		For >50 To 100, Deduct	-15.37		
		For >100, Deduct	-21.50		
08 14 23 19-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	248.70		62.66
		For >50 To 100, Deduct	-15.57		
		For >100, Deduct	-21.79		
08 14 23 19-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	252.54		62.66
		For >50 To 100, Deduct	-15.76		
		For >100, Deduct	-22.07		
08 14 23 19-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	261.86		65.38
		For >50 To 100, Deduct	-16.36		
		For >100, Deduct	-22.91		
08 14 23 19-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	276.25		65.38
		For >50 To 100, Deduct	-17.08		
		For >100, Deduct	-23.99		
08 14 23 19-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	291.02		68.11
		For >50 To 100, Deduct	-17.96		
		For >100, Deduct	-25.23		
08 14 23 19-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	237.73		59.93
		For >50 To 100, Deduct	-14.88		
		For >100, Deduct	-20.83		
08 14 23 19-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	237.73		59.93
		For >50 To 100, Deduct	-14.88		
		For >100, Deduct	-20.83		
08 14 23 19-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	251.79		62.66
		For >50 To 100, Deduct	-15.72		
		For >100, Deduct	-22.02		
08 14 23 19-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	255.87		62.66
		For >50 To 100, Deduct	-15.93		
		For >100, Deduct	-22.32		
08 14 23 19-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	259.94		62.66
		For >50 To 100, Deduct	-16.13		
		For >100, Deduct	-22.63		
08 14 23 19-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	269.47		65.38
		For >50 To 100, Deduct	-16.74		
		For >100, Deduct	-23.48		
08 14 23 19-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	284.70		65.38
		For >50 To 100, Deduct	-17.50		
		For >100, Deduct	-24.62		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0017	EA			3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	300.02 -18.41 -25.91	68.11
08 14 23 19-0018	EA			2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	260.73 -16.03 -22.55	59.93
08 14 23 19-0019	EA			2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	260.73 -16.03 -22.55	59.93
08 14 23 19-0020	EA			2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	276.46 -16.96 -23.87	62.66
08 14 23 19-0021	EA			2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	281.32 -17.20 -24.23	62.66
08 14 23 19-0022	EA			2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	286.21 -17.44 -24.60	62.66
08 14 23 19-0023	EA			3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	296.52 -18.10 -25.51	65.38
08 14 23 19-0024	EA			3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	314.72 -19.01 -26.87	65.38
08 14 23 19-0025	EA			3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	331.95 -20.00 -28.30	68.11
<b>08 14 23 19-0026</b>				<b>1-3/4" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors</b> <small>(08 14 23 19)</small>		
08 14 23 19-0027	EA			2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	258.66 -15.93 -22.40	59.93
08 14 23 19-0028	EA			2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	258.66 -15.93 -22.40	59.93
08 14 23 19-0029	EA			2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	267.95 -16.53 -23.23	62.66
08 14 23 19-0030	EA			2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	275.68 -16.92 -23.81	62.66
08 14 23 19-0031	EA			2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	279.55 -17.11 -24.10	62.66
08 14 23 19-0032	EA			3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	288.81 -17.71 -24.93	65.38
08 14 23 19-0033	EA			3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	297.63 -18.15 -25.59	65.38
08 14 23 19-0034	EA			3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	331.74 -19.99 -28.29	68.11
08 14 23 19-0035	EA			3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	341.51 -20.48 -29.02	68.11
08 14 23 19-0036	EA			4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	361.09 -21.46 -30.49	68.11
08 14 23 19-0037	EA			2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	266.73 -16.33 -23.00	59.93
08 14 23 19-0038	EA			2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	266.73 -16.33 -23.00	59.93
08 14 23 19-0039	EA			2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	276.25 -16.95 -23.85	62.66
08 14 23 19-0040	EA			2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	284.44 -17.36 -24.47	62.66
08 14 23 19-0041	EA			2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	288.52 -17.56 -24.77	62.66
08 14 23 19-0042	EA			3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	298.02 -18.17 -25.62	65.38
08 14 23 19-0043	EA			3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	307.34 -18.64 -26.32	65.38

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0044	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	343.13	68.11
			<i>For &gt;50 To 100, Deduct</i>	-20.56	
			<i>For &gt;100, Deduct</i>	-29.14	
08 14 23 19-0045	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	353.48	68.11
			<i>For &gt;50 To 100, Deduct</i>	-21.08	
			<i>For &gt;100, Deduct</i>	-29.92	
08 14 23 19-0046	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	374.17	68.11
			<i>For &gt;50 To 100, Deduct</i>	-22.11	
			<i>For &gt;100, Deduct</i>	-31.47	
08 14 23 19-0047	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	295.36	59.93
			<i>For &gt;50 To 100, Deduct</i>	-17.76	
			<i>For &gt;100, Deduct</i>	-25.15	
08 14 23 19-0048	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	295.36	59.93
			<i>For &gt;50 To 100, Deduct</i>	-17.76	
			<i>For &gt;100, Deduct</i>	-25.15	
08 14 23 19-0049	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	305.70	62.66
			<i>For &gt;50 To 100, Deduct</i>	-18.42	
			<i>For &gt;100, Deduct</i>	-26.06	
08 14 23 19-0050	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	315.47	62.66
			<i>For &gt;50 To 100, Deduct</i>	-18.91	
			<i>For &gt;100, Deduct</i>	-26.79	
08 14 23 19-0051	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	320.33	62.66
			<i>For &gt;50 To 100, Deduct</i>	-19.15	
			<i>For &gt;100, Deduct</i>	-27.16	
08 14 23 19-0052	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	330.64	65.38
			<i>For &gt;50 To 100, Deduct</i>	-19.80	
			<i>For &gt;100, Deduct</i>	-28.07	
08 14 23 19-0053	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	341.76	65.38
			<i>For &gt;50 To 100, Deduct</i>	-20.36	
			<i>For &gt;100, Deduct</i>	-28.90	
08 14 23 19-0054	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	383.49	68.11
			<i>For &gt;50 To 100, Deduct</i>	-22.58	
			<i>For &gt;100, Deduct</i>	-32.17	
08 14 23 19-0055	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	395.84	68.11
			<i>For &gt;50 To 100, Deduct</i>	-23.20	
			<i>For &gt;100, Deduct</i>	-33.09	
08 14 23 19-0056	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	420.58	68.11
			<i>For &gt;50 To 100, Deduct</i>	-24.43	
			<i>For &gt;100, Deduct</i>	-34.95	
08 14 23 19-0057			<b>1-3/8" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors</b> <small>(08 14 23 19)</small>		
			Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 19-0058	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	275.18	59.93
			<i>For &gt;50 To 100, Deduct</i>	-16.76	
			<i>For &gt;100, Deduct</i>	-23.64	
08 14 23 19-0059	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	275.18	59.93
			<i>For &gt;50 To 100, Deduct</i>	-16.76	
			<i>For &gt;100, Deduct</i>	-23.64	
08 14 23 19-0060	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	289.66	62.66
			<i>For &gt;50 To 100, Deduct</i>	-17.62	
			<i>For &gt;100, Deduct</i>	-24.86	
08 14 23 19-0061	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	298.65	62.66
			<i>For &gt;50 To 100, Deduct</i>	-18.07	
			<i>For &gt;100, Deduct</i>	-25.53	
08 14 23 19-0062	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	300.30	62.66
			<i>For &gt;50 To 100, Deduct</i>	-18.15	
			<i>For &gt;100, Deduct</i>	-25.66	
08 14 23 19-0063	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	307.43	65.38
			<i>For &gt;50 To 100, Deduct</i>	-18.64	
			<i>For &gt;100, Deduct</i>	-26.33	
08 14 23 19-0064	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	326.92	65.38
			<i>For &gt;50 To 100, Deduct</i>	-19.62	
			<i>For &gt;100, Deduct</i>	-27.79	
08 14 23 19-0065	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	367.90	68.11
			<i>For &gt;50 To 100, Deduct</i>	-21.80	
			<i>For &gt;100, Deduct</i>	-31.00	
08 14 23 19-0066	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	284.24	59.93
			<i>For &gt;50 To 100, Deduct</i>	-17.21	
			<i>For &gt;100, Deduct</i>	-24.31	
08 14 23 19-0067	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	284.24	59.93
			<i>For &gt;50 To 100, Deduct</i>	-17.21	
			<i>For &gt;100, Deduct</i>	-24.31	





<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0068	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	299.22	62.66
			<i>For &gt;50 To 100, Deduct</i>	-18.09	
			<i>For &gt;100, Deduct</i>	-25.57	
08 14 23 19-0069	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	308.73	62.66
			<i>For &gt;50 To 100, Deduct</i>	-18.57	
			<i>For &gt;100, Deduct</i>	-26.29	
08 14 23 19-0070	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	310.50	62.66
			<i>For &gt;50 To 100, Deduct</i>	-18.66	
			<i>For &gt;100, Deduct</i>	-26.42	
08 14 23 19-0071	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	317.71	65.38
			<i>For &gt;50 To 100, Deduct</i>	-19.15	
			<i>For &gt;100, Deduct</i>	-27.10	
08 14 23 19-0072	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	338.34	65.38
			<i>For &gt;50 To 100, Deduct</i>	-20.19	
			<i>For &gt;100, Deduct</i>	-28.64	
08 14 23 19-0073	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	381.39	68.11
			<i>For &gt;50 To 100, Deduct</i>	-22.48	
			<i>For &gt;100, Deduct</i>	-32.01	
08 14 23 19-0074	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	316.29	59.93
			<i>For &gt;50 To 100, Deduct</i>	-18.81	
			<i>For &gt;100, Deduct</i>	-26.72	
08 14 23 19-0075	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	316.29	59.93
			<i>For &gt;50 To 100, Deduct</i>	-18.81	
			<i>For &gt;100, Deduct</i>	-26.72	
08 14 23 19-0076	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	333.13	62.66
			<i>For &gt;50 To 100, Deduct</i>	-19.79	
			<i>For &gt;100, Deduct</i>	-28.12	
08 14 23 19-0077	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	344.50	62.66
			<i>For &gt;50 To 100, Deduct</i>	-20.36	
			<i>For &gt;100, Deduct</i>	-28.97	
08 14 23 19-0078	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	346.59	62.66
			<i>For &gt;50 To 100, Deduct</i>	-20.46	
			<i>For &gt;100, Deduct</i>	-29.13	
08 14 23 19-0079	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	354.17	65.38
			<i>For &gt;50 To 100, Deduct</i>	-20.98	
			<i>For &gt;100, Deduct</i>	-29.83	
08 14 23 19-0080	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	378.82	65.38
			<i>For &gt;50 To 100, Deduct</i>	-22.21	
			<i>For &gt;100, Deduct</i>	-31.68	
08 14 23 19-0081	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	429.21	68.11
			<i>For &gt;50 To 100, Deduct</i>	-24.87	
			<i>For &gt;100, Deduct</i>	-35.60	
08 14 23 19-0082			<b>1-3/4" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors</b> <small>(08 14 23 19)</small>		
			Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 19-0083	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	315.03	59.93
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.42	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	105.39	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	146.37	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	234.19	
			<i>For &gt;50 To 100, Deduct</i>	-18.75	
			<i>For &gt;100, Deduct</i>	-26.62	
08 14 23 19-0084	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	315.03	59.93
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.42	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	105.39	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	146.37	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	234.19	
			<i>For &gt;50 To 100, Deduct</i>	-18.75	
			<i>For &gt;100, Deduct</i>	-26.62	
08 14 23 19-0085	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	331.78	62.66
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.78	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	111.49	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	154.85	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	247.75	
			<i>For &gt;50 To 100, Deduct</i>	-19.72	
			<i>For &gt;100, Deduct</i>	-28.02	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0086	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	343.06	62.66
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	26.13	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	117.58	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	163.31	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	261.29	
			<i>For &gt;50 To 100, Deduct</i>	-20.29	
			<i>For &gt;100, Deduct</i>	-28.86	
08 14 23 19-0087	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	345.16	62.66
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	26.38	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	118.71	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	164.88	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	263.81	
			<i>For &gt;50 To 100, Deduct</i>	-20.39	
			<i>For &gt;100, Deduct</i>	-29.02	
08 14 23 19-0088	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	352.73	65.38
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	26.64	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	119.86	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	166.47	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	266.35	
			<i>For &gt;50 To 100, Deduct</i>	-20.91	
			<i>For &gt;100, Deduct</i>	-29.72	
08 14 23 19-0089	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	377.20	65.38
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.57	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	133.07	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	184.82	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	295.72	
			<i>For &gt;50 To 100, Deduct</i>	-22.13	
			<i>For &gt;100, Deduct</i>	-31.56	
08 14 23 19-0090	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	427.32	68.11
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.93	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	157.19	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	218.33	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	349.32	
			<i>For &gt;50 To 100, Deduct</i>	-24.77	
			<i>For &gt;100, Deduct</i>	-35.45	
08 14 23 19-0091	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	441.90	68.11
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	36.68	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	165.07	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	229.26	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	366.82	
			<i>For &gt;50 To 100, Deduct</i>	-25.50	
			<i>For &gt;100, Deduct</i>	-36.55	
08 14 23 19-0092	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	470.98	68.11
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	40.17	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	180.77	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	251.07	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	401.71	
			<i>For &gt;50 To 100, Deduct</i>	-26.95	
			<i>For &gt;100, Deduct</i>	-38.73	
08 14 23 19-0093	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	326.39	59.93
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.78	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	111.52	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	154.89	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	247.82	
			<i>For &gt;50 To 100, Deduct</i>	-19.32	
			<i>For &gt;100, Deduct</i>	-27.48	
08 14 23 19-0094	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	326.39	59.93
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.78	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	111.52	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	154.89	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	247.82	
			<i>For &gt;50 To 100, Deduct</i>	-19.32	
			<i>For &gt;100, Deduct</i>	-27.48	
08 14 23 19-0095	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	343.81	62.66
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	26.22	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	117.98	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	163.87	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	262.19	
			<i>For &gt;50 To 100, Deduct</i>	-20.32	
			<i>For &gt;100, Deduct</i>	-28.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0096 EA 2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	355.74	62.66
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.65	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	124.43	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	172.82	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	276.50	
<i>For &gt;50 To 100, Deduct</i>	-20.92	
<i>For &gt;100, Deduct</i>	-29.81	
08 14 23 19-0097 EA 2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	357.96	62.66
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.92	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	125.63	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	174.48	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	279.17	
<i>For &gt;50 To 100, Deduct</i>	-21.03	
<i>For &gt;100, Deduct</i>	-29.98	
08 14 23 19-0098 EA 3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	365.66	65.38
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.19	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	126.84	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	176.17	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	281.87	
<i>For &gt;50 To 100, Deduct</i>	-21.55	
<i>For &gt;100, Deduct</i>	-30.69	
08 14 23 19-0099 EA 3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	391.53	65.38
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.29	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	140.81	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	195.57	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	312.91	
<i>For &gt;50 To 100, Deduct</i>	-22.85	
<i>For &gt;100, Deduct</i>	-32.63	
08 14 23 19-0100 EA 3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	444.27	68.11
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	36.97	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	166.35	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	231.04	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	369.66	
<i>For &gt;50 To 100, Deduct</i>	-25.62	
<i>For &gt;100, Deduct</i>	-36.73	
08 14 23 19-0101 EA 3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	459.68	68.11
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.82	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	174.67	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	242.60	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	388.15	
<i>For &gt;50 To 100, Deduct</i>	-26.39	
<i>For &gt;100, Deduct</i>	-37.88	
08 14 23 19-0102 EA 4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	490.47	68.11
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	42.51	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	191.30	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	265.69	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	425.10	
<i>For &gt;50 To 100, Deduct</i>	-27.93	
<i>For &gt;100, Deduct</i>	-40.19	
08 14 23 19-0103 EA 2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	366.66	59.93
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.61	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	133.27	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	185.09	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	296.15	
<i>For &gt;50 To 100, Deduct</i>	-21.33	
<i>For &gt;100, Deduct</i>	-30.50	
08 14 23 19-0104 EA 2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	366.66	59.93
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.61	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	133.27	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	185.09	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	296.15	
<i>For &gt;50 To 100, Deduct</i>	-21.33	
<i>For &gt;100, Deduct</i>	-30.50	
08 14 23 19-0105 EA 2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	386.41	62.66
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.33	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	140.99	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	195.82	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	313.31	
<i>For &gt;50 To 100, Deduct</i>	-22.45	
<i>For &gt;100, Deduct</i>	-32.11	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0106	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	400.68	62.66
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.04	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	148.69	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	206.52	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	330.43	
			For >50 To 100, Deduct	-23.17	
			For >100, Deduct	-33.18	
08 14 23 19-0107	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	403.32	62.66
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.36	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	150.12	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	208.50	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	333.60	
			For >50 To 100, Deduct	-23.30	
			For >100, Deduct	-33.38	
08 14 23 19-0108	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	411.47	65.38
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.68	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	151.58	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	210.53	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	336.84	
			For >50 To 100, Deduct	-23.84	
			For >100, Deduct	-34.13	
08 14 23 19-0109	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	442.38	65.38
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.39	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	168.27	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	233.71	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	373.93	
			For >50 To 100, Deduct	-25.39	
			For >100, Deduct	-36.45	
08 14 23 19-0110	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	504.32	68.11
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.17	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	198.77	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	276.08	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	441.72	
			For >50 To 100, Deduct	-28.62	
			For >100, Deduct	-41.23	
08 14 23 19-0111	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	522.76	68.11
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.38	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	208.73	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	289.91	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	463.85	
			For >50 To 100, Deduct	-29.54	
			For >100, Deduct	-42.61	
08 14 23 19-0112	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	559.55	68.11
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	50.80	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	228.60	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	317.50	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	508.00	
			For >50 To 100, Deduct	-31.38	
			For >100, Deduct	-45.37	

**08 14 66 Wood Screen Doors (08 14)****08 14 66 00-0001 Wood Screen Storm Door, Residential Grade (08 14 66)**

Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 14 66 00-0002	EA		2'-8" x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	514.18	156.92
08 14 66 00-0003	EA		3' x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	538.39	174.36
08 14 66 00-0004	EA		2'-8" x 7" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	514.18	156.92
08 14 66 00-0005	EA		3' x 7' x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	538.39	174.36

**08 14 73 Sliding Wood Doors (08 14)****08 14 73 00-0001 Sliding Pocket Door (08 14 73)**

Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.

**08 14 73 00-0002 Birch Faced Pocket Door (08 14 73 00-0001)**

Note: Includes door, frame and trim, and all mounting and door hardware.

**08 14 73 00-0003 1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0002)**

See CSI section 08 14 73 00-0055 for all jambs and track hardware.

**08 14 73 00-0004 6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0003)**

08 14 73 00-0005	EA		2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	570.99	38.14
			For Oak, Add	136.54	
			For Ash/Hickory, Add	198.88	
			For Walnut, Add	289.91	
			For Cherry, Add	471.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0006 EA 2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	588.43	40.87
<i>For Oak, Add</i>	139.85	
<i>For Ash/Hickory, Add</i>	203.70	
<i>For Walnut, Add</i>	296.93	
<i>For Cherry, Add</i>	482.89	
08 14 73 00-0007 EA 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	608.85	43.59
<i>For Oak, Add</i>	143.99	
<i>For Ash/Hickory, Add</i>	209.72	
<i>For Walnut, Add</i>	305.72	
<i>For Cherry, Add</i>	497.18	
08 14 73 00-0008 EA 2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	623.30	46.32
<i>For Oak, Add</i>	146.47	
<i>For Ash/Hickory, Add</i>	213.34	
<i>For Walnut, Add</i>	310.99	
<i>For Cherry, Add</i>	505.76	
08 14 73 00-0009 EA 2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	643.76	49.04
<i>For Oak, Add</i>	150.61	
<i>For Ash/Hickory, Add</i>	219.37	
<i>For Walnut, Add</i>	319.77	
<i>For Cherry, Add</i>	520.04	
08 14 73 00-0010 EA 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	661.19	51.77
<i>For Oak, Add</i>	153.92	
<i>For Ash/Hickory, Add</i>	224.19	
<i>For Walnut, Add</i>	326.80	
<i>For Cherry, Add</i>	531.47	
08 14 73 00-0011 EA 4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,125.66	68.11
<i>For Oak, Add</i>	273.09	
<i>For Ash/Hickory, Add</i>	397.75	
<i>For Walnut, Add</i>	579.81	
<i>For Cherry, Add</i>	942.94	
08 14 73 00-0012 EA 5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,190.51	73.56
<i>For Oak, Add</i>	287.98	
<i>For Ash/Hickory, Add</i>	419.45	
<i>For Walnut, Add</i>	611.44	
<i>For Cherry, Add</i>	994.37	
08 14 73 00-0013 EA 6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,273.39	79.01
<i>For Oak, Add</i>	307.84	
<i>For Ash/Hickory, Add</i>	448.38	
<i>For Walnut, Add</i>	653.61	
<i>For Cherry, Add</i>	1,062.95	
<b>08 14 73 00-0014 7' High, 1-3/8" Thick Birch Faced Wood Pocket Door</b> <small>(08 14 73 00-0003)</small>		
08 14 73 00-0015 EA 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	675.93	38.14
<i>For Oak, Add</i>	140.32	
<i>For Ash/Hickory, Add</i>	140.32	
<i>For Walnut, Add</i>	230.87	
<i>For Cherry, Add</i>	433.55	
08 14 73 00-0016 EA 2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	708.36	40.87
<i>For Oak, Add</i>	146.63	
<i>For Ash/Hickory, Add</i>	146.63	
<i>For Walnut, Add</i>	241.26	
<i>For Cherry, Add</i>	453.06	
08 14 73 00-0017 EA 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	731.78	43.59
<i>For Oak, Add</i>	150.84	
<i>For Ash/Hickory, Add</i>	150.84	
<i>For Walnut, Add</i>	248.18	
<i>For Cherry, Add</i>	466.07	
08 14 73 00-0018 EA 2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	752.23	46.32
<i>For Oak, Add</i>	154.35	
<i>For Ash/Hickory, Add</i>	154.35	
<i>For Walnut, Add</i>	253.96	
<i>For Cherry, Add</i>	476.91	
08 14 73 00-0019 EA 2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	769.69	49.04
<i>For Oak, Add</i>	157.16	
<i>For Ash/Hickory, Add</i>	157.16	
<i>For Walnut, Add</i>	258.57	
<i>For Cherry, Add</i>	485.58	
08 14 73 00-0020 EA 3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	793.12	51.77
<i>For Oak, Add</i>	161.37	
<i>For Ash/Hickory, Add</i>	161.37	
<i>For Walnut, Add</i>	265.50	
<i>For Cherry, Add</i>	498.59	
08 14 73 00-0021 EA 4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,335.54	68.11
<i>For Oak, Add</i>	280.64	
<i>For Ash/Hickory, Add</i>	280.64	
<i>For Walnut, Add</i>	461.74	
<i>For Cherry, Add</i>	867.11	
08 14 73 00-0022 EA 5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,436.37	73.56
<i>For Oak, Add</i>	301.69	
<i>For Ash/Hickory, Add</i>	301.69	
<i>For Walnut, Add</i>	496.37	
<i>For Cherry, Add</i>	932.14	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0023	EA		6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,537.24	79.01
			<i>For Oak, Add</i>	322.74	
			<i>For Ash/Hickory, Add</i>	322.74	
			<i>For Walnut, Add</i>	531.00	
			<i>For Cherry, Add</i>	997.18	
<b>08 14 73 00-0024</b>			<b>1-3/4" Thick, Birch Faced Wood Pocket Door</b> <small>(08 14 73 00-0002)</small>		
			See CSI section 08 14 73 00-0055 for all jambs and track hardware.		
<b>08 14 73 00-0025</b>			<b>6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door</b> <small>(08 14 73 00-0024)</small>		
08 14 73 00-0026	EA		2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	855.83	38.14
			<i>For Oak, Add</i>	182.42	
			<i>For Ash/Hickory, Add</i>	182.42	
			<i>For Walnut, Add</i>	300.13	
			<i>For Cherry, Add</i>	563.62	
08 14 73 00-0027	EA		2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	897.26	40.87
			<i>For Oak, Add</i>	190.84	
			<i>For Ash/Hickory, Add</i>	190.84	
			<i>For Walnut, Add</i>	313.98	
			<i>For Cherry, Add</i>	589.64	
08 14 73 00-0028	EA		2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	920.68	43.59
			<i>For Oak, Add</i>	195.05	
			<i>For Ash/Hickory, Add</i>	195.05	
			<i>For Walnut, Add</i>	320.91	
			<i>For Cherry, Add</i>	602.64	
08 14 73 00-0029	EA		2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	947.12	46.32
			<i>For Oak, Add</i>	199.96	
			<i>For Ash/Hickory, Add</i>	199.96	
			<i>For Walnut, Add</i>	328.99	
			<i>For Cherry, Add</i>	617.82	
08 14 73 00-0030	EA		2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	970.58	49.04
			<i>For Oak, Add</i>	204.17	
			<i>For Ash/Hickory, Add</i>	204.17	
			<i>For Walnut, Add</i>	335.92	
			<i>For Cherry, Add</i>	630.82	
08 14 73 00-0031	EA		3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	994.01	51.77
			<i>For Oak, Add</i>	208.38	
			<i>For Ash/Hickory, Add</i>	208.38	
			<i>For Walnut, Add</i>	342.84	
			<i>For Cherry, Add</i>	643.83	
08 14 73 00-0032	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,695.34	68.11
			<i>For Oak, Add</i>	364.83	
			<i>For Ash/Hickory, Add</i>	364.83	
			<i>For Walnut, Add</i>	600.26	
			<i>For Cherry, Add</i>	1,127.24	
08 14 73 00-0033	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,814.15	73.56
			<i>For Oak, Add</i>	390.09	
			<i>For Ash/Hickory, Add</i>	390.09	
			<i>For Walnut, Add</i>	641.81	
			<i>For Cherry, Add</i>	1,205.28	
08 14 73 00-0034	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,939.01	79.01
			<i>For Oak, Add</i>	416.75	
			<i>For Ash/Hickory, Add</i>	416.75	
			<i>For Walnut, Add</i>	685.68	
			<i>For Cherry, Add</i>	1,287.66	
<b>08 14 73 00-0035</b>			<b>7' High, 1-3/4" Thick Birch Faced Wood Pocket Door</b> <small>(08 14 73 00-0024)</small>		
08 14 73 00-0036	EA		2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	915.79	38.14
			<i>For Oak, Add</i>	196.45	
			<i>For Ash/Hickory, Add</i>	196.45	
			<i>For Walnut, Add</i>	323.22	
			<i>For Cherry, Add</i>	606.97	
08 14 73 00-0037	EA		2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	963.22	40.87
			<i>For Oak, Add</i>	206.27	
			<i>For Ash/Hickory, Add</i>	206.27	
			<i>For Walnut, Add</i>	339.38	
			<i>For Cherry, Add</i>	637.32	
08 14 73 00-0038	EA		2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	989.64	43.59
			<i>For Oak, Add</i>	211.18	
			<i>For Ash/Hickory, Add</i>	211.18	
			<i>For Walnut, Add</i>	347.46	
			<i>For Cherry, Add</i>	652.50	
08 14 73 00-0039	EA		2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,016.08	46.32
			<i>For Oak, Add</i>	216.09	
			<i>For Ash/Hickory, Add</i>	216.09	
			<i>For Walnut, Add</i>	355.54	
			<i>For Cherry, Add</i>	667.68	
08 14 73 00-0040	EA		2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,039.54	49.04
			<i>For Oak, Add</i>	220.30	
			<i>For Ash/Hickory, Add</i>	220.30	
			<i>For Walnut, Add</i>	362.47	
			<i>For Cherry, Add</i>	680.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0041 EA 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,065.96	51.77
For Oak, Add	225.21	
For Ash/Hickory, Add	225.21	
For Walnut, Add	370.54	
For Cherry, Add	695.85	
08 14 73 00-0042 EA 4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,815.27	68.11
For Oak, Add	392.90	
For Ash/Hickory, Add	392.90	
For Walnut, Add	646.43	
For Cherry, Add	1,213.95	
08 14 73 00-0043 EA 5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,952.08	73.56
For Oak, Add	422.37	
For Ash/Hickory, Add	422.37	
For Walnut, Add	694.92	
For Cherry, Add	1,305.00	
08 14 73 00-0044 EA 6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	2,082.93	79.01
For Oak, Add	450.43	
For Ash/Hickory, Add	450.43	
For Walnut, Add	741.09	
For Cherry, Add	1,391.71	
<b>08 14 73 00-0045 8' High, 1-3/4" Thick Birch Faced Wood Pocket Door</b> (08 14 73 00-0024)		
08 14 73 00-0046 EA 2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced .....	975.76	38.14
For Oak, Add	210.48	
For Ash/Hickory, Add	210.48	
For Walnut, Add	346.30	
For Cherry, Add	650.33	
08 14 73 00-0047 EA 2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,023.19	40.87
For Oak, Add	220.30	
For Ash/Hickory, Add	220.30	
For Walnut, Add	362.47	
For Cherry, Add	680.68	
08 14 73 00-0048 EA 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,052.60	43.59
For Oak, Add	225.92	
For Ash/Hickory, Add	225.92	
For Walnut, Add	371.70	
For Cherry, Add	698.02	
08 14 73 00-0049 EA 2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,082.04	46.32
For Oak, Add	231.53	
For Ash/Hickory, Add	231.53	
For Walnut, Add	380.93	
For Cherry, Add	715.37	
08 14 73 00-0050 EA 2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,105.50	49.04
For Oak, Add	235.74	
For Ash/Hickory, Add	235.74	
For Walnut, Add	387.86	
For Cherry, Add	728.37	
08 14 73 00-0051 EA 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,134.93	51.77
For Oak, Add	241.35	
For Ash/Hickory, Add	241.35	
For Walnut, Add	397.10	
For Cherry, Add	745.72	
08 14 73 00-0052 EA 4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,935.20	68.11
For Oak, Add	420.96	
For Ash/Hickory, Add	420.96	
For Walnut, Add	692.61	
For Cherry, Add	1,300.66	
08 14 73 00-0053 EA 5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	2,078.01	73.56
For Oak, Add	451.83	
For Ash/Hickory, Add	451.83	
For Walnut, Add	743.40	
For Cherry, Add	1,396.05	
08 14 73 00-0054 EA 6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	2,220.85	79.01
For Oak, Add	482.70	
For Ash/Hickory, Add	482.70	
For Walnut, Add	794.19	
For Cherry, Add	1,491.43	
<b>08 14 73 00-0055 Accessories</b> (08 14 73 00-0001)		
<b>08 14 73 00-0056 Jamb Replacement</b> (08 14 73 00-0055)		
08 14 73 00-0057 EA 4-9/16 Or 4-3/4" Birch Jamb Replacement For Pocket Doors .....	159.06	
For Oak, Add	11.82	
For Ash/Hickory, Add	18.51	
For Walnut, Add	40.47	
For Cherry, Add	64.11	
08 14 73 00-0058 EA 5-1/4" Birch Jamb Replacement For Pocket Doors.....	162.43	
For Oak, Add	12.20	
For Ash/Hickory, Add	19.11	
For Walnut, Add	41.78	
For Cherry, Add	66.17	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 14 73 00-0059	EA	6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors .....	184.36	
		<i>For Oak, Add</i> .....	14.68	
		<i>For Ash/Hickory, Add</i> .....	22.99	
		<i>For Walnut, Add</i> .....	50.26	
		<i>For Cherry, Add</i> .....	79.62	
<b>08 14 73 00-0060</b>		<b>Track And Hardware Replacement Kits</b> <small>(08 14 73 00-0055)</small>		
		Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.		
08 14 73 00-0061	EA	Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door .....	378.72	
08 14 73 00-0062	EA	2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door .....	382.43	
08 14 73 00-0063	EA	3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door .....	389.86	
08 14 73 00-0064	EA	Up To 2'-6" x 7' Door Track And Hardware Replacement For Pocket Door .....	460.39	
08 14 73 00-0065	EA	2'-8" x 7' Door Track And Hardware Replacement For Pocket Door .....	464.11	
08 14 73 00-0066	EA	3'-0" x 7' Door Track And Hardware Replacement For Pocket Door .....	471.53	
08 14 73 00-0067	EA	Up To 2'-6" x 8' Door Track And Hardware .....	497.52	
08 14 73 00-0068	EA	2'-8" x 8' Door Track And Hardware Replacement For Pocket Door .....	501.23	
08 14 73 00-0069	EA	3'-0" x 8' Door Track And Hardware Replacement For Pocket Door .....	508.66	
08 14 73 00-0070	EA	Double Door Converging Kit For Pocket Door .....	53.47	
<b>08 14 73 00-0071</b>		<b>Bi-Pass Doors</b> <small>(08 14 73)</small>		
		Note: Includes unfinished doors, fascia track, hangers, door guide, door stop, and pulls. 125 LB maximum door weight (each opening).		
<b>08 14 73 00-0072</b>		<b>Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors</b> <small>(08 14 73 00-0071)</small>		
08 14 73 00-0073	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors .....	430.26	87.14
08 14 73 00-0074	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors .....	473.15	92.58
08 14 73 00-0075	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors .....	516.56	98.03
08 14 73 00-0076	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors .....	713.85	103.48
<b>08 14 73 00-0077</b>		<b>Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors</b> <small>(08 14 73 00-0071)</small>		
08 14 73 00-0078	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors .....	400.61	87.14
08 14 73 00-0079	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors .....	426.91	92.58
08 14 73 00-0080	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors .....	465.68	98.03
08 14 73 00-0081	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors .....	654.55	103.48
<b>08 14 73 00-0082</b>		<b>Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors</b> <small>(08 14 73 00-0071)</small>		
08 14 73 00-0083	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors .....	431.09	87.14
08 14 73 00-0084	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors .....	471.09	92.58
08 14 73 00-0085	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors .....	513.14	98.03
08 14 73 00-0086	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors .....	715.52	103.48
<b>08 14 76 Bifolding Wood Doors</b> <small>(08 14)</small>				
<b>08 14 76 00-0001</b>		<b>Bi-Fold Wood Doors</b> <small>(08 14 76)</small>		
		Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes door frame and knobs.		
<b>08 14 76 00-0002</b>		<b>Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors</b> <small>(08 14 76 00-0001)</small>		
08 14 76 00-0003	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors .....	203.29	65.35
08 14 76 00-0004	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors .....	214.18	70.80
08 14 76 00-0005	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors .....	229.92	76.25
08 14 76 00-0006	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors .....	240.81	81.69
08 14 76 00-0007	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors .....	313.58	87.14
08 14 76 00-0008	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors .....	324.47	92.58
08 14 76 00-0009	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors .....	345.62	98.03
<b>08 14 76 00-0010</b>		<b>Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors</b> <small>(08 14 76 00-0001)</small>		
08 14 76 00-0011	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors .....	215.14	65.35
08 14 76 00-0012	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors .....	229.91	70.80
08 14 76 00-0013	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors .....	248.26	76.25
08 14 76 00-0014	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors .....	259.15	81.69
08 14 76 00-0015	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors .....	338.93	87.14
08 14 76 00-0016	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors .....	363.99	92.58
08 14 76 00-0017	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors .....	390.54	98.03
<b>08 14 76 00-0018</b>		<b>Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors</b> <small>(08 14 76 00-0001)</small>		
08 14 76 00-0019	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	215.68	65.35
08 14 76 00-0020	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	237.50	70.80
08 14 76 00-0021	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	255.25	76.25
08 14 76 00-0022	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	266.14	81.69





<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors and Frames</b>	<b>08 10</b>	
<b>Wood Doors</b>	<b>08 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 76 00-0023 EA 4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	345.05	87.14
08 14 76 00-0024 EA 5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	358.40	92.58
08 14 76 00-0025 EA 6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	390.54	98.03
<b>08 14 76 00-0026 Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors (08 14 76 00-0001)</b>		
08 14 76 00-0027 EA 2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	567.67	65.35
08 14 76 00-0028 EA 2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	649.16	70.80
08 14 76 00-0029 EA 2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	742.10	76.25
08 14 76 00-0030 EA 3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	752.99	81.69
08 14 76 00-0031 EA 4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	1,048.19	87.14
08 14 76 00-0032 EA 5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	1,200.28	92.58
08 14 76 00-0033 EA 6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	1,375.27	98.03
<b>08 14 76 00-0034 Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors (08 14 76 00-0001)</b>		
08 14 76 00-0035 EA 2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	729.86	65.35
08 14 76 00-0036 EA 2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	792.27	70.80
08 14 76 00-0037 EA 2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	866.12	76.25
08 14 76 00-0038 EA 3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	877.01	81.69
08 14 76 00-0039 EA 4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	1,372.57	87.14
08 14 76 00-0040 EA 5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	1,486.49	92.58
08 14 76 00-0041 EA 6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	1,623.32	98.03
<b>08 14 76 00-0042 Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors (08 14 76 00-0001)</b>		
08 14 76 00-0043 EA 2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	207.46	65.35
08 14 76 00-0044 EA 2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	223.22	70.80
08 14 76 00-0045 EA 2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	244.42	76.25
08 14 76 00-0046 EA 3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	246.62	81.69
08 14 76 00-0047 EA 4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	306.72	87.14
08 14 76 00-0048 EA 5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	331.23	92.58
08 14 76 00-0049 EA 6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	371.55	98.03
<b>08 15 Plastic Doors (08 10)</b>		
Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.		
<b>08 16 Composite Doors (08 10)</b>		
Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.		
<b>08 16 13 Fiberglass Doors (08 16)</b>		
See CSI section 08 70 00 00-0000 for finish hardware.		
<b>08 16 13 00-0001 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors (08 16 13)</b>		
<b>08 16 13 00-0002 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0001)</b>		
<b>08 16 13 00-0003 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0002)</b>		
Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.		
<b>08 16 13 00-0004 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003)</b>		
Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
<b>08 16 13 00-0005 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0004)</b>		
08 16 13 00-0006 EA 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,711.10	65.38
For Custom Color Finish, Add	140.43	
For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0007 EA 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,893.78	68.11
For Custom Color Finish, Add	140.43	
For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0008 EA 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,172.03	73.56
For Custom Color Finish, Add	140.43	
For Stainless Steel Continuous Hinge, Add	312.58	

**08 Openings****08 10 Doors and Frames****08 16 Composite Doors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 16 13 00-0009 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> <small>(08 16 13 00-0004)</small>		
08 16 13 00-0010 EA 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,711.10	65.38
For Custom Color Finish, Add	140.43	
For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0011 EA 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	2,965.88	68.11
For Custom Color Finish, Add	140.43	
For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0012 EA 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,248.63	73.56
For Custom Color Finish, Add	140.43	
For Stainless Steel Continuous Hinge, Add	312.58	
<b>08 16 13 00-0013 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> <small>(08 16 13 00-0003)</small>		
Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
<b>08 16 13 00-0014 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> <small>(08 16 13 00-0013)</small>		
<b>08 16 13 00-0015 6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> <small>(08 16 13 00-0014)</small>		
08 16 13 00-0016 EA 3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,215.75	65.38
For Custom Color Finish, Add	140.43	
For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0017 EA 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,282.78	68.11
For Custom Color Finish, Add	140.43	
For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0018 EA 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,742.76	73.56
For Custom Color Finish, Add	140.43	
For Stainless Steel Continuous Hinge, Add	312.58	
<b>08 16 13 00-0019 7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> <small>(08 16 13 00-0014)</small>		
08 16 13 00-0020 EA 3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,215.75	65.38
For Custom Color Finish, Add	140.43	
For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0021 EA 3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,517.09	68.11
For Custom Color Finish, Add	140.43	
For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0022 EA 4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,829.88	73.56
For Custom Color Finish, Add	140.43	
For Stainless Steel Continuous Hinge, Add	312.58	
<b>08 16 13 00-0023 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> <small>(08 16 13 00-0013)</small>		
<b>08 16 13 00-0024 6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> <small>(08 16 13 00-0023)</small>		
08 16 13 00-0025 EA 3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,215.75	65.38
For Custom Color Finish, Add	140.43	
For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0026 EA 3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,282.78	68.11
For Custom Color Finish, Add	140.43	
For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0027 EA 4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,742.76	73.56
For Custom Color Finish, Add	140.43	
For Stainless Steel Continuous Hinge, Add	312.58	
<b>08 16 13 00-0028 7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> <small>(08 16 13 00-0023)</small>		
08 16 13 00-0029 EA 3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,215.75	65.38
For Custom Color Finish, Add	140.43	
For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0030 EA 3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,517.09	68.11
For Custom Color Finish, Add	140.43	
For Stainless Steel Continuous Hinge, Add	312.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0031 EA 4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,829.88	73.56
<i>For Custom Color Finish, Add</i>	140.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	312.58	
<b>08 16 13 00-0032 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)</b>		
<b>08 16 13 00-0033 6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0032)</b>		
08 16 13 00-0034 EA 3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,215.75	65.38
<i>For Custom Color Finish, Add</i>	140.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	312.58	
08 16 13 00-0035 EA 3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,282.78	68.11
<i>For Custom Color Finish, Add</i>	140.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	312.58	
08 16 13 00-0036 EA 4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,742.76	73.56
<i>For Custom Color Finish, Add</i>	140.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	312.58	
<b>08 16 13 00-0037 7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0032)</b>		
08 16 13 00-0038 EA 3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,215.75	65.38
<i>For Custom Color Finish, Add</i>	140.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	312.58	
08 16 13 00-0039 EA 3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,517.09	68.11
<i>For Custom Color Finish, Add</i>	140.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	312.58	
08 16 13 00-0040 EA 4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,829.88	73.56
<i>For Custom Color Finish, Add</i>	140.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	312.58	
<b>08 16 13 00-0041 Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003)</b>		
Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
<b>08 16 13 00-0042 6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0041)</b>		
08 16 13 00-0043 EA 3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,865.80	65.38
<i>For Custom Color Finish, Add</i>	140.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	312.58	
<b>08 16 13 00-0044 7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0041)</b>		
08 16 13 00-0045 EA 3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,865.80	65.38
<i>For Custom Color Finish, Add</i>	140.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	312.58	
<b>08 16 13 00-0046 Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) (08 16 13 00-0002)</b>		
08 16 13 00-0047 SI 1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf).....	0.38	
08 16 13 00-0048 SI 1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf).....	0.39	
08 16 13 00-0049 SI 1/4" Wire, Factory Installed Vision Glass (Chem-Pruf).....	0.52	
08 16 13 00-0050 SI 1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf).....	0.50	
08 16 13 00-0051 SI Factory Installed Molded Louver (Chem-Pruf).....	0.99	
08 16 13 00-0052 SI Factory Installed Molded Louver With Insect Screen (Chem-Pruf).....	1.11	
08 16 13 00-0053 LF Weather Strip (Chem-Pruf).....	10.51	
08 16 13 00-0054 LF Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf).....	13.52	
08 16 13 00-0055 LF 1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf).....	28.54	
08 16 13 00-0056 LF Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf).....	31.54	
08 16 13 00-0057 LF 2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf).....	61.58	
<b>08 16 13 00-0058 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0001)</b>		
<b>08 16 13 00-0059 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0058)</b>		
Note: White, tan, brown or gray finish. Includes factory hardware prep.		

**08 Openings****08 10 Doors and Frames****08 16 Composite Doors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 16 13 00-0060	Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0059)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0061	6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0060)</small>		
08 16 13 00-0062	EA 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,075.15	65.38
	For Custom Color Finish, Add	140.43	
	For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0063	EA 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,104.23	68.11
	For Custom Color Finish, Add	140.43	
	For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0064	EA 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,205.99	73.56
	For Custom Color Finish, Add	140.43	
	For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0065	7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0060)</small>		
08 16 13 00-0066	EA 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,075.15	65.38
	For Custom Color Finish, Add	140.43	
	For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0067	EA 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,195.09	68.11
	For Custom Color Finish, Add	140.43	
	For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0068	EA 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,205.99	73.56
	For Custom Color Finish, Add	140.43	
	For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0069	Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0059)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0070	45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0069)</small>		
08 16 13 00-0071	6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0070)</small>		
08 16 13 00-0072	EA 3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,438.16	65.38
	For Custom Color Finish, Add	140.43	
	For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0073	EA 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,509.04	68.11
	For Custom Color Finish, Add	140.43	
	For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0074	EA 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,676.23	73.56
	For Custom Color Finish, Add	140.43	
	For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0075	7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0070)</small>		
08 16 13 00-0076	EA 3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,438.16	65.38
	For Custom Color Finish, Add	140.43	
	For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0077	EA 3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,534.48	68.11
	For Custom Color Finish, Add	140.43	
	For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0078	EA 4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,754.37	73.56
	For Custom Color Finish, Add	140.43	
	For Stainless Steel Continuous Hinge, Add	312.58	
08 16 13 00-0079	60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0069)</small>		
08 16 13 00-0080	6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0079)</small>		
08 16 13 00-0081	EA 3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,438.16	65.38
	For Custom Color Finish, Add	140.43	
	For Stainless Steel Continuous Hinge, Add	312.58	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Composite Doors	08 16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0082	EA		3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> ..... 08 16 13 00-0083 EA 4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> .....	3,509.04 140.43 312.58	68.11
08 16 13 00-0084			<b>7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0079)		
08 16 13 00-0085	EA		3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> ..... 08 16 13 00-0086 EA 3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> ..... 08 16 13 00-0087 EA 4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> .....	3,438.16 140.43 312.58 3,534.48 140.43 312.58 3,754.37 140.43 312.58	65.38 68.11 73.56
08 16 13 00-0088			<b>90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0069)		
08 16 13 00-0089			<b>6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0088)		
08 16 13 00-0090	EA		3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> ..... 08 16 13 00-0091 EA 3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> ..... 08 16 13 00-0092 EA 4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> .....	3,438.16 140.43 312.58 3,509.04 140.43 312.58 3,676.23 140.43 312.58	65.38 68.11 73.56
08 16 13 00-0093			<b>7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0088)		
08 16 13 00-0094	EA		3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> ..... 08 16 13 00-0095 EA 3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> ..... 08 16 13 00-0096 EA 4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> .....	3,438.16 140.43 312.58 3,534.48 140.43 312.58 3,754.37 140.43 312.58	65.38 68.11 73.56
08 16 13 00-0097			<b>Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0059) Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0098			<b>6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0097)		
08 16 13 00-0099	EA		3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> .....	2,347.75 140.43 312.58	65.38
08 16 13 00-0100			<b>7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0097)		
08 16 13 00-0101	EA		3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> .....	2,347.75 140.43 312.58	65.38
08 16 13 00-0102			<b>Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door)</b> (08 16 13 00-0058)		

**08 Openings****08 10 Doors and Frames****08 16 Composite Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0103	SI		1/4" Tempered, Factory Installed Vision Glass (Skule Door).....	0.86	
08 16 13 00-0104	SI		1/4" Laminated, Factory Installed Vision Glass (Skule Door).....	0.88	
08 16 13 00-0105	SI		1/4" Wire, Factory Installed Vision Glass (Skule Door).....	0.93	
08 16 13 00-0106	SI		1/2" Insulated, Factory Installed Vision Glass (Skule Door).....	1.34	
08 16 13 00-0107	SI		Factory Installed Molded Louver (Skule Door).....	0.53	
08 16 13 00-0108	SI		Factory Installed Molded Louver With Insect Screen (Skule Door).....	0.85	
08 16 13 00-0109	LF		Weather Strip (Skule Door).....	7.27	
08 16 13 00-0110	LF		Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door).....	9.09	
08 16 13 00-0111	LF		1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door).....	29.08	
08 16 13 00-0112	LF		Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door).....	103.59	
08 16 13 00-0113	LF		2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door).....	39.98	
<b>08 16 13 00-0114</b>			<b>Galvanized Insulated Poly Core Composite Doors</b> (08 16 13)		
08 16 13 00-0115	EA		3'-0" x 7'-0" x 1-3/4" Thick, Flush, 18 Gauge, Galvanized, Insulated Poly Core Composite Door (Curries 707N).....	1,296.51	65.38
<b>08 17</b>			<b>Integrated Door Opening Assemblies</b> (08 10)		
<b>08 17 23</b>			<b>Integrated Metal Door Opening Assemblies</b> (08 17)		
<b>08 17 23 00-0001</b>			<b>Pre-Hung Interior Door Units</b> (08 17 23) Note: Includes door, frame, and trim, all mounting hardware (standard duty ball bearing hinges). Excludes lockset.		
<b>08 17 23 00-0002</b>			<b>Hollow Core Doors, 1-3/8" Thick</b> (08 17 23 00-0001)		
<b>08 17 23 00-0003</b>			<b>Birch Faced</b> (08 17 23 00-0002)		
08 17 23 00-0004	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	416.26	68.11
			<i>For 8' Door Height, Add</i>	67.21	
08 17 23 00-0005	EA		2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	433.46	68.11
			<i>For 8' Door Height, Add</i>	71.34	
08 17 23 00-0006	EA		2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	456.14	70.83
			<i>For 8' Door Height, Add</i>	75.48	
08 17 23 00-0007	EA		3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	466.71	73.56
			<i>For 8' Door Height, Add</i>	76.70	
08 17 23 00-0008	EA		3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	497.92	73.56
			<i>For 8' Door Height, Add</i>	84.19	
08 17 23 00-0009	EA		3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	525.83	76.28
			<i>For 8' Door Height, Add</i>	89.58	
08 17 23 00-0010	EA		Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	783.47	111.70
			<i>For 8' Door Height, Add</i>	134.42	
08 17 23 00-0011	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	834.26	119.87
			<i>For 8' Door Height, Add</i>	142.69	
08 17 23 00-0012	EA		Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	895.27	128.04
			<i>For 8' Door Height, Add</i>	153.40	
<b>08 17 23 00-0013</b>			<b>Lauan Faced</b> (08 17 23 00-0002)		
08 17 23 00-0014	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	379.63	68.11
			<i>For 8' Door Height, Add</i>	58.42	
08 17 23 00-0015	EA		2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	396.14	68.11
			<i>For 8' Door Height, Add</i>	62.38	
08 17 23 00-0016	EA		2'-8" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	415.49	70.83
			<i>For 8' Door Height, Add</i>	65.72	
08 17 23 00-0017	EA		3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	430.78	73.56
			<i>For 8' Door Height, Add</i>	68.08	
08 17 23 00-0018	EA		3'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	457.90	73.56
			<i>For 8' Door Height, Add</i>	74.59	
08 17 23 00-0019	EA		3'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	483.22	76.28
			<i>For 8' Door Height, Add</i>	79.36	
08 17 23 00-0020	EA		Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	710.22	111.70
			<i>For 8' Door Height, Add</i>	116.84	
08 17 23 00-0021	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	759.50	119.87
			<i>For 8' Door Height, Add</i>	124.74	
08 17 23 00-0022	EA		Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	823.49	128.04
			<i>For 8' Door Height, Add</i>	136.17	
<b>08 17 23 00-0023</b>			<b>Tempered Hardboard Faced</b> (08 17 23 00-0002)		
08 17 23 00-0024	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	327.03	68.11
			<i>For 8' Door Height, Add</i>	45.79	
08 17 23 00-0025	EA		2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	340.95	68.11
			<i>For 8' Door Height, Add</i>	49.14	
08 17 23 00-0026	EA		2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	352.99	70.83
			<i>For 8' Door Height, Add</i>	50.72	
08 17 23 00-0027	EA		3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	371.65	73.56
			<i>For 8' Door Height, Add</i>	53.89	
08 17 23 00-0028	EA		3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	396.33	73.56
			<i>For 8' Door Height, Add</i>	59.81	
08 17 23 00-0029	EA		3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	417.75	76.28
			<i>For 8' Door Height, Add</i>	63.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0030 EA Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	605.02 91.59	111.70
08 17 23 00-0031 EA Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	649.17 98.27	119.87
08 17 23 00-0032 EA Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	705.14 107.78	128.04
<b>08 17 23 00-0033 Solid Core Doors, 1-3/8" Thick</b> (08 17 23 00-0001)		
<b>08 17 23 00-0034 Birch Faced</b> (08 17 23 00-0033)		
08 17 23 00-0035 EA 2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	548.58 98.97	68.11
08 17 23 00-0036 EA 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	570.26 104.17	68.11
08 17 23 00-0037 EA 2'-8" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	597.34 109.36	70.83
08 17 23 00-0038 EA 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	629.19 115.70	73.56
08 17 23 00-0039 EA 3'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	682.13 128.40	73.56
08 17 23 00-0040 EA 3'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	734.35 139.63	76.28
08 17 23 00-0041 EA Pair 2' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	1,048.11 197.93	111.70
08 17 23 00-0042 EA Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	1,107.82 208.34	119.87
08 17 23 00-0043 EA Pair 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	1,220.24 231.40	128.04
<b>08 17 23 00-0044 Lauan Faced</b> (08 17 23 00-0033)		
08 17 23 00-0045 EA 2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	493.23 85.68	68.11
08 17 23 00-0046 EA 2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	512.86 90.39	68.11
08 17 23 00-0047 EA 2'-8" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	537.90 95.10	70.83
08 17 23 00-0048 EA 3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	563.16 99.85	73.56
08 17 23 00-0049 EA 3'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	608.92 110.83	73.56
08 17 23 00-0050 EA 3'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	643.93 117.93	76.28
08 17 23 00-0051 EA Pair 2' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	937.40 171.36	111.70
08 17 23 00-0052 EA Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	993.03 180.79	119.87
08 17 23 00-0053 EA Pair 3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	1,088.17 199.70	128.04
<b>08 17 23 00-0054 Tempered Hardboard Faced</b> (08 17 23 00-0033)		
08 17 23 00-0055 EA 2'-0" - 2'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	443.94 73.85	68.11
08 17 23 00-0056 EA 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	461.75 78.13	68.11
08 17 23 00-0057 EA 2'-8" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	485.07 82.42	70.83
08 17 23 00-0058 EA 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	497.13 84.00	73.56
08 17 23 00-0059 EA 3'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	535.73 93.27	73.56
08 17 23 00-0060 EA 3'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	566.07 99.24	76.28
08 17 23 00-0061 PR Pair 2' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	838.83 147.70	111.70
08 17 23 00-0062 PR Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	890.78 156.25	119.87
08 17 23 00-0063 PR Pair 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	956.10 168.01	128.04
<b>08 17 23 00-0064 Hollow Core Doors, 1-3/4" Thick</b> (08 17 23 00-0001)		
<b>08 17 23 00-0065 Birch Faced</b> (08 17 23 00-0064)		
08 17 23 00-0066 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	486.23 84.00	68.11
08 17 23 00-0067 EA 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	499.44 87.17	68.11
08 17 23 00-0068 EA 2'-8" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	509.77 88.35	70.83
08 17 23 00-0069 EA 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	536.75 93.51	73.56

**08 Openings****08 10 Doors and Frames****08 17 Integrated Door Opening Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0070	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door .....	593.90	73.56
			<i>For 8' Door Height, Add</i>	107.23	
08 17 23 00-0071	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door .....	666.14	76.28
			<i>For 8' Door Height, Add</i>	123.25	
08 17 23 00-0072	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door .....	923.46	111.70
			<i>For 8' Door Height, Add</i>	168.01	
08 17 23 00-0073	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door .....	966.17	119.87
			<i>For 8' Door Height, Add</i>	174.35	
08 17 23 00-0074	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door .....	1,035.40	128.04
			<i>For 8' Door Height, Add</i>	187.03	
<b>08 17 23 00-0075</b>			<b>Lauan Faced</b> <small>(08 17 23 00-0064)</small>		
08 17 23 00-0076	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door .....	445.43	68.11
			<i>For 8' Door Height, Add</i>	74.21	
08 17 23 00-0077	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door .....	466.74	68.11
			<i>For 8' Door Height, Add</i>	79.32	
08 17 23 00-0078	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door .....	489.47	70.83
			<i>For 8' Door Height, Add</i>	83.47	
08 17 23 00-0079	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door .....	501.76	73.56
			<i>For 8' Door Height, Add</i>	85.12	
08 17 23 00-0080	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door .....	540.76	73.56
			<i>For 8' Door Height, Add</i>	94.48	
08 17 23 00-0081	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door .....	571.40	76.28
			<i>For 8' Door Height, Add</i>	100.52	
08 17 23 00-0082	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door .....	841.83	111.70
			<i>For 8' Door Height, Add</i>	148.42	
08 17 23 00-0083	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door .....	900.77	119.87
			<i>For 8' Door Height, Add</i>	158.65	
08 17 23 00-0084	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door .....	965.41	128.04
			<i>For 8' Door Height, Add</i>	170.23	
<b>08 17 23 00-0085</b>			<b>Tempered Hardboard Faced</b> <small>(08 17 23 00-0064)</small>		
08 17 23 00-0086	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door .....	373.95	68.11
			<i>For 8' Door Height, Add</i>	57.06	
08 17 23 00-0087	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door .....	380.58	68.11
			<i>For 8' Door Height, Add</i>	58.65	
08 17 23 00-0088	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door .....	399.23	70.83
			<i>For 8' Door Height, Add</i>	61.82	
08 17 23 00-0089	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door .....	417.89	73.56
			<i>For 8' Door Height, Add</i>	64.99	
08 17 23 00-0090	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door .....	432.97	73.56
			<i>For 8' Door Height, Add</i>	68.61	
08 17 23 00-0091	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door .....	456.74	76.28
			<i>For 8' Door Height, Add</i>	73.00	
08 17 23 00-0092	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door .....	698.84	111.70
			<i>For 8' Door Height, Add</i>	114.11	
08 17 23 00-0093	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door .....	728.44	119.87
			<i>For 8' Door Height, Add</i>	117.29	
08 17 23 00-0094	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door .....	797.67	128.04
			<i>For 8' Door Height, Add</i>	129.98	
<b>08 17 23 00-0095</b>			<b>Solid Core Doors, 1-3/4" Thick</b> <small>(08 17 23 00-0001)</small>		
<b>08 17 23 00-0096</b>			<b>Oak Or Maple Faced</b> <small>(08 17 23 00-0095)</small>		
08 17 23 00-0097	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door .....	734.09	68.11
			<i>For 8' Door Height, Add</i>	143.49	
08 17 23 00-0098	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door .....	737.75	68.11
			<i>For 8' Door Height, Add</i>	144.37	
08 17 23 00-0099	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door .....	774.09	70.83
			<i>For 8' Door Height, Add</i>	151.78	
08 17 23 00-0100	EA		3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door .....	787.62	73.56
			<i>For 8' Door Height, Add</i>	153.72	
08 17 23 00-0101	EA		3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door .....	857.05	73.56
			<i>For 8' Door Height, Add</i>	170.38	
08 17 23 00-0102	EA		3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door .....	944.77	76.28
			<i>For 8' Door Height, Add</i>	190.13	
08 17 23 00-0103	EA		Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door .....	1,419.16	111.70
			<i>For 8' Door Height, Add</i>	286.99	
08 17 23 00-0104	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door .....	1,442.82	119.87
			<i>For 8' Door Height, Add</i>	288.74	
08 17 23 00-0105	EA		Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door .....	1,537.11	128.04
			<i>For 8' Door Height, Add</i>	307.44	
<b>08 17 23 00-0106</b>			<b>Walnut Faced</b> <small>(08 17 23 00-0095)</small>		
08 17 23 00-0107	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door .....	920.82	68.11
			<i>For 8' Door Height, Add</i>	188.30	
08 17 23 00-0108	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door .....	953.44	68.11
			<i>For 8' Door Height, Add</i>	196.13	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0109 EA 2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door ..... <i>For 8' Door Height, Add</i>	969.81 198.76	70.83
08 17 23 00-0110 EA 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door ..... <i>For 8' Door Height, Add</i>	1,007.94 206.60	73.56
08 17 23 00-0111 EA 3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door ..... <i>For 8' Door Height, Add</i>	1,102.64 229.33	73.56
08 17 23 00-0112 EA 3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door ..... <i>For 8' Door Height, Add</i>	1,203.72 252.28	76.28
08 17 23 00-0113 EA Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door ..... <i>For 8' Door Height, Add</i>	1,792.60 376.61	111.70
08 17 23 00-0114 EA Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door ..... <i>For 8' Door Height, Add</i>	1,874.17 392.27	119.87
08 17 23 00-0115 EA Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door ..... <i>For 8' Door Height, Add</i>	1,977.75 413.20	128.04

**08 18 Glass Doors** (08 10)

**08 18 16 Sliding Glass Doors** (08 18)

08 18 16 00-0001 Sliding Aluminum-Framed Glass Doors (08 18 16)

08 18 16 00-0002 Residential Sliding Aluminum-Framed Glass Doors (08 18 16 00-0001)

08 18 16 00-0003 5/8" Insulating Glass, Sliding Aluminum-Framed Glass Doors (08 18 16 00-0002)

08 18 16 00-0004 SF Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware ..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	29.91 4.24 1.42 3.05	4.90
08 18 16 00-0005 SF >6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware ..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	23.75 4.05 1.42 2.91	3.05

08 18 16 00-0006 1" Insulating Glass, Sliding Aluminum-Framed Glass Doors (08 18 16 00-0002)

08 18 16 00-0007 SF Up To 6' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware ..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	32.94 4.99 1.42 3.59	4.90
08 18 16 00-0008 SF >6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware ..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	26.74 4.80 1.42 3.45	3.05

08 18 16 00-0010 Sliding Wood-Framed Glass Doors (08 18 16)

08 18 16 00-0011 Residential Wood Sliding Doors With 5/8" Glass (08 18 16 00-0010)

08 18 16 00-0012 EA 6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware .....	2,209.04	147.12
08 18 16 00-0013 EA 8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware .....	2,696.73	179.81
08 18 16 00-0014 EA 9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware .....	3,116.29	207.05
08 18 16 00-0015 EA 6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware .....	2,431.84	147.12
08 18 16 00-0016 EA 8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware .....	2,984.49	179.81
08 18 16 00-0017 EA 9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware .....	3,472.41	207.05

**08 30 Specialty Doors and Frames** (08)

Note: Includes caulk, sealant and mounting anchors.

**08 31 Access Doors and Panels** (08 30)

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

**08 31 13 Access Doors and Frames** (08 31)

08 31 13 00-0001 Stainless Steel Access Doors (08 31 13)

08 31 13 00-0002 Fire Rated Stainless Steel Access Doors (08 31 13 00-0001)

08 31 13 00-0003 EA 12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch .....	389.51	55.17
08 31 13 00-0004 EA 12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch .....	452.78	58.77
08 31 13 00-0005 EA 18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch .....	528.07	62.16
08 31 13 00-0006 EA 24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch .....	608.93	65.31
08 31 13 00-0007 EA 24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch .....	622.82	65.65
08 31 13 00-0008 EA 24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch .....	805.48	67.69

08 31 13 00-0009 Stainless Steel Access Doors (08 31 13 00-0001)

08 31 13 00-0010 EA 8" x 8" Stainless Steel Access Door With Cam Latch .....	159.33	42.30
08 31 13 00-0011 EA 12" x 12" Stainless Steel Access Door With Cam Latch .....	189.67	55.17
08 31 13 00-0012 EA 12" x 18" Stainless Steel Access Door With Cam Latch .....	267.74	58.77
08 31 13 00-0013 EA 18" x 18" Stainless Steel Access Door With Cam Latch .....	287.28	62.16
08 31 13 00-0014 EA 24" x 18" Stainless Steel Access Door With Cam Latch .....	332.69	65.31
08 31 13 00-0015 EA 24" x 24" Stainless Steel Access Door With Cam Latch .....	378.14	65.65



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 31 13 00-0016	<b>Steel Access Doors</b> (08 31 13) Note: Includes paintable powder coated finish.		
08 31 13 00-0017	<b>Insulated Fire Rated Steel Access Doors</b> (08 31 13 00-0016)		
08 31 13 00-0018	EA 12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch.....	260.59	55.50
08 31 13 00-0019	EA 12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	322.48	58.77
08 31 13 00-0020	EA 18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	322.33	62.16
08 31 13 00-0021	EA 24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	382.71	65.65
08 31 13 00-0022	EA 24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch.....	399.99	65.65
08 31 13 00-0023	EA 24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch.....	527.06	67.69
08 31 13 00-0024	EA 24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch.....	607.60	70.51
08 31 13 00-0025	EA 36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch.....	750.64	70.51
08 31 13 00-0026	EA 48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch.....	963.14	84.60
08 31 13 00-0027	<b>Steel Access Doors</b> (08 31 13 00-0016)		
08 31 13 00-0028	EA 8" x 8" Steel Access Door With Cam Latch.....	133.93	42.53
08 31 13 00-0029	EA 12" x 12" Steel Access Door With Cam Latch.....	143.45	55.50
08 31 13 00-0030	EA 12" x 18" Steel Access Door With Cam Latch.....	165.04	58.77
08 31 13 00-0031	EA 18" x 18" Steel Access Door With Cam Latch.....	169.69	62.16
08 31 13 00-0032	EA 24" x 18" Steel Access Door With Cam Latch.....	201.27	65.65
08 31 13 00-0033	EA 24" x 24" Steel Access Door With Cam Latch.....	206.04	65.65
08 31 13 00-0034	EA 24" x 36" Steel Access Door With Cam Latch.....	266.88	67.69
08 31 13 00-0035	EA 36" x 36" Steel Access Door With Cam Latch.....	352.07	70.51
08 31 13 00-0036	<b>Steel Recessed Access Doors For Drywall Application</b> (08 31 13) Note: Includes paintable powder coated finish.		
08 31 13 00-0037	EA 8" x 8" Recessed Steel Access Door With Cam Latch.....	191.16	42.30
	<i>For Recessed Doors In Acoustical Tile, Add</i>	17.86	
08 31 13 00-0038	EA 12" x 12" Recessed Steel Access Door With Cam Latch.....	200.09	45.34
	<i>For Recessed Doors In Acoustical Tile, Add</i>	19.84	
08 31 13 00-0039	EA 12" x 18" Recessed Steel Access Door With Cam Latch.....	215.03	47.94
	<i>For Recessed Doors In Acoustical Tile, Add</i>	20.50	
08 31 13 00-0040	EA 18" x 18" Recessed Steel Access Door With Cam Latch.....	252.25	50.76
	<i>For Recessed Doors In Acoustical Tile, Add</i>	18.00	
08 31 13 00-0041	EA 24" x 18" Recessed Steel Access Door With Cam Latch.....	265.41	53.58
	<i>For Recessed Doors In Acoustical Tile, Add</i>	19.14	
08 31 13 00-0042	EA 24" x 24" Recessed Steel Access Door With Cam Latch.....	290.55	53.58
	<i>For Recessed Doors In Acoustical Tile, Add</i>	15.37	
08 31 13 00-0043	EA 24" x 36" Recessed Steel Access Door With Cam Latch.....	361.92	67.69
	<i>For Recessed Doors In Acoustical Tile, Add</i>	20.16	
08 31 13 00-0044	EA 36" x 36" Recessed Steel Access Door With Cam Latch.....	516.83	70.51
	<i>For Recessed Doors In Acoustical Tile, Add</i>	0.03	
08 31 13 00-0045	<b>Steel Crawl Space Doors And Frames</b> (08 31 13) Note: Includes paintable powder coated finish.		
08 31 13 00-0046	EA 24" x 24" Steel Crawl Space Door With Cam Latch.....	219.91	71.40
08 31 13 00-0047	EA 30" x 24" Steel Crawl Space Door With Cam Latch.....	308.95	86.53
08 31 13 00-0048	EA 30" x 30" Steel Crawl Space Door With Cam Latch.....	346.25	93.97
08 33	<b>Coiling Doors and Grilles</b> (08 30)		
08 33 13	<b>Coiling Counter Doors</b> (08 33)		
08 33 13 00-0001	<b>Overhead Rolling Counter Doors</b> (08 33 13)		
08 33 13 00-0002	<b>Galvanized Steel Overhead Rolling Counter Doors</b> (08 33 13 00-0001) Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0003	EA 4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	7,227.52	413.90
	<i>For Motor Operator (With Safety Reverse), Add</i>	753.47	
08 33 13 00-0004	EA 6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	7,602.84	413.90
	<i>For Motor Operator (With Safety Reverse), Add</i>	753.47	
08 33 13 00-0005	EA 8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	8,217.99	439.77
	<i>For Motor Operator (With Safety Reverse), Add</i>	758.69	
08 33 13 00-0006	EA 10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	8,793.39	517.37
	<i>For Motor Operator (With Safety Reverse), Add</i>	778.70	
08 33 13 00-0007	EA 4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	8,916.46	413.90
	<i>For Motor Operator (With Safety Reverse), Add</i>	753.47	
08 33 13 00-0008	EA 6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	9,312.92	459.84
	<i>For Motor Operator (With Safety Reverse), Add</i>	764.97	
08 33 13 00-0009	EA 8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	9,546.57	478.26
	<i>For Motor Operator (With Safety Reverse), Add</i>	769.57	
08 33 13 00-0010	EA 10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	10,113.45	517.37
	<i>For Motor Operator (With Safety Reverse), Add</i>	779.34	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 33 13 00-0011</b>				<b>Stainless Steel Overhead Rolling Counter Doors</b> <small>(08 33 13 00-0001)</small> Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0012	EA			4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	8,165.82 753.47	413.90
08 33 13 00-0013	EA			6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,197.95 753.47	413.90
08 33 13 00-0014	EA			8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,437.78 758.69	439.77
08 33 13 00-0015	EA			10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	11,514.46 778.70	517.37
08 33 13 00-0016	EA			4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,854.76 753.47	413.90
08 33 13 00-0017	EA			6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	10,157.39 764.97	459.84
08 33 13 00-0018	EA			8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	10,391.04 769.57	478.26
08 33 13 00-0019	EA			10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	13,303.67 779.34	517.37
<b>08 33 13 00-0020</b>				<b>Aluminum Overhead Rolling Counter Doors</b> <small>(08 33 13 00-0001)</small> Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0021	EA			4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	7,978.16 753.47	413.90
08 33 13 00-0022	EA			6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	8,353.48 753.47	413.90
08 33 13 00-0023	EA			8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,343.95 758.69	439.77
08 33 13 00-0024	EA			10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	11,045.31 778.70	517.37
08 33 13 00-0025	EA			4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,667.10 753.47	413.90
08 33 13 00-0026	EA			6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	10,063.56 764.97	459.84
08 33 13 00-0027	EA			8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	10,344.12 769.57	478.26
08 33 13 00-0028	EA			10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	13,116.01 779.34	517.37
<b>08 33 13 00-0029</b>				<b>Galvanized Steel Overhead Rolling Counter Fire Doors</b> <small>(08 33 13 00-0001)</small> Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0030	EA			4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,479.44 753.47	413.90
08 33 13 00-0031	EA			6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	10,042.42 753.47	413.90
08 33 13 00-0032	EA			8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	10,845.23 758.69	439.77
08 33 13 00-0033	EA			10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	11,608.29 778.70	517.37
08 33 13 00-0034	EA			4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	10,605.40 753.47	413.90
08 33 13 00-0035	EA			6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	11,095.69 764.97	459.84
08 33 13 00-0036	EA			8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	11,517.00 769.57	478.26
08 33 13 00-0037	EA			10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	11,802.39 779.34	517.37
<b>08 33 13 00-0038</b>				<b>Stainless Steel Overhead Rolling Counter Fire Doors</b> <small>(08 33 13 00-0001)</small> Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0039	EA			4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	10,793.06 753.47	413.90
08 33 13 00-0040	EA			6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	12,294.34 753.47	413.90
08 33 13 00-0041	EA			8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	12,534.17 758.69	439.77
08 33 13 00-0042	EA			10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	15,361.49 778.70	517.37

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0043 EA 4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)..... <i>For Motor Operator (With Safety Reverse), Add</i>	11,731.36 753.47	413.90
08 33 13 00-0044 EA 6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)..... <i>For Motor Operator (With Safety Reverse), Add</i>	12,127.82 764.97	459.84
08 33 13 00-0045 EA 8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)..... <i>For Motor Operator (With Safety Reverse), Add</i>	12,549.13 769.57	478.26
08 33 13 00-0046 EA 10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)..... <i>For Motor Operator (With Safety Reverse), Add</i>	15,555.59 779.34	517.37
<b>08 33 13 00-0047 Integral Frame And Sill, Overhead Rolling Counter Doors</b> <small>(08 33 13)</small>		
<b>08 33 13 00-0048 Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill</b> <small>(08 33 13 00-0047)</small>		
Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0049 EA 4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	15,672.22 753.47	413.90
08 33 13 00-0050 EA 6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	16,047.54 753.47	413.90
08 33 13 00-0051 EA 8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	16,475.03 758.69	439.77
08 33 13 00-0052 EA 10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	17,050.43 778.70	517.37
08 33 13 00-0053 EA 4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	16,235.20 753.47	413.90
08 33 13 00-0054 EA 6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	16,725.49 764.97	459.84
08 33 13 00-0055 EA 8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	17,146.80 769.57	478.26
08 33 13 00-0056 EA 10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	19,121.13 779.34	517.37
<b>08 33 13 00-0057 Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill</b> <small>(08 33 13 00-0047)</small>		
Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0058 EA 4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	13,795.62 753.47	413.90
08 33 13 00-0059 EA 6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	14,170.94 753.47	413.90
08 33 13 00-0060 EA 8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	14,598.43 758.69	439.77
08 33 13 00-0061 EA 10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	15,173.83 778.70	517.37
08 33 13 00-0062 EA 4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	15,484.56 753.47	413.90
08 33 13 00-0063 EA 6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	15,974.85 764.97	459.84
08 33 13 00-0064 EA 8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	16,583.82 769.57	478.26
08 33 13 00-0065 EA 10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	17,056.87 779.34	517.37
<b>08 33 13 00-0066 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill</b> <small>(08 33 13 00-0047)</small>		
Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0067 EA 4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)..... <i>For Motor Operator (With Safety Reverse), Add</i>	21,677.34 753.47	413.90



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0068	EA			6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	23,553.94 753.47	413.90
08 33 13 00-0069	EA			8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	27,359.31 758.69	439.77
08 33 13 00-0070	EA			10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	29,435.99 778.70	517.37
08 33 13 00-0071	EA			4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	24,492.24 753.47	413.90
08 33 13 00-0072	EA			6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	26,483.81 764.97	459.84
08 33 13 00-0073	EA			8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	29,344.70 769.57	478.26
08 33 13 00-0074	EA			10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	33,195.63 779.34	517.37
08 33 13 00-0075	<b>Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill</b> <small>(08 33 13 00-0047)</small> Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.					
08 33 13 00-0076	EA			4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	18,299.46 753.47	413.90
08 33 13 00-0077	EA			6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	18,674.78 753.47	413.90
08 33 13 00-0078	EA			8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	19,477.59 758.69	439.77
08 33 13 00-0079	EA			10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	20,991.29 778.70	517.37
08 33 13 00-0080	EA			4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	19,425.42 753.47	413.90
08 33 13 00-0081	EA			6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	20,666.35 764.97	459.84
08 33 13 00-0082	EA			8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	21,838.30 769.57	478.26
08 33 13 00-0083	EA			10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	25,689.23 779.34	517.37
08 33 13 00-0084	<b>Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood</b> <small>(08 33 13 00-0047)</small> Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.					
08 33 13 00-0085	EA			4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	26,368.84 753.47	413.90
08 33 13 00-0086	EA			6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	27,307.14 753.47	413.90
08 33 13 00-0087	EA			8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	31,112.51 758.69	439.77
08 33 13 00-0088	<b>Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood</b> <small>(08 33 13 00-0047)</small> Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.					
08 33 13 00-0089	EA			4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	19,800.74 753.47	413.90
08 33 13 00-0090	EA			6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	27,307.14 753.47	413.90

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 33 13 00-0091	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661) <i>For Motor Operator (With Safety Reverse), Add</i>	31,112.51 758.69	439.77
<b>08 33 13 00-0092</b>		<b>Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood</b> <small>(08 33 13 00-0047)</small> Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0093	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) <i>For Motor Operator (With Safety Reverse), Add</i>	17,173.50 753.47	413.90
08 33 13 00-0094	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) <i>For Motor Operator (With Safety Reverse), Add</i>	19,425.42 753.47	413.90
08 33 13 00-0095	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) <i>For Motor Operator (With Safety Reverse), Add</i>	20,791.21 758.69	439.77
08 33 13 00-0096	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) <i>For Motor Operator (With Safety Reverse), Add</i>	22,867.89 778.70	517.37
<b>08 33 16</b>		<b>Coiling Counter Grilles</b> <small>(08 33)</small>		
<b>08 33 16 00-0001</b>		<b>Galvanized Steel Overhead Coiling Counter Grilles (Width x Height)</b> <small>(08 33 16)</small>		
08 33 16 00-0002	EA	4' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	1,997.49 222.02 97.89 174.28	181.08
08 33 16 00-0003	EA	6' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,186.78 250.41 134.71 236.43	181.08
08 33 16 00-0004	EA	8' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,550.30 279.07 171.54 298.58	241.41
08 33 16 00-0005	EA	12' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	3,005.84 347.40 245.18 422.88	241.41
08 33 16 00-0006	EA	16' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,097.04 459.35 367.30 557.61	362.16
08 33 16 00-0007	EA	18' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,641.94 515.32 367.30 557.61	413.90
08 33 16 00-0008	EA	20' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,188.24 571.29 489.42 692.35	482.71
08 33 16 00-0009	EA	24' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	6,458.86 720.09 587.31 715.93	579.45
08 33 16 00-0010	EA	30' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,937.40 880.19 687.42 821.81	724.32
08 33 16 00-0011	EA	4' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,141.98 243.69 146.82 202.48	181.08
08 33 16 00-0012	EA	6' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,413.85 284.47 220.21 275.37	181.08
08 33 16 00-0013	EA	8' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,746.68 308.53 293.59 348.27	241.51
08 33 16 00-0014	EA	12' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	3,271.55 387.26 440.48 494.05	241.51
08 33 16 00-0015	EA	16' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,469.73 515.25 587.31 680.12	362.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 16 00-0016 EA 18' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,068.12 579.24 587.31 680.12	413.90
08 33 16 00-0017 EA 20' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,664.23 643.24 734.14 866.20	482.71
08 33 16 00-0018 EA 24' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,080.46 813.33 880.96 998.55	579.45
08 33 16 00-0019 EA 30' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,556.51 973.05 1,025.67 1,119.44	724.32

**08 33 23 Overhead Coiling Doors** (08 33)

Note: Includes panels, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.  
Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0981 for forklift.

**08 33 23 11 Overhead Coiling Doors** (08 33 23)

Note: Excludes lifting equipment (forklift or scissor lift) where required.

**08 33 23 11-0001 Galvanized Steel Overhead Coiling Doors (Width x Height)** (08 33 23 11)

Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

**08 33 23 11-0002 26 Gauge Galvanized Steel Overhead Coiling Doors** (08 33 23 11-0001)

08 33 23 11-0003 EA 4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,153.36	513.34
08 33 23 11-0004 EA 4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,231.20	543.54
08 33 23 11-0005 EA 5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,229.16	543.54
08 33 23 11-0006 EA 5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,309.67	573.73
08 33 23 11-0007 EA 6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,335.17	588.85
08 33 23 11-0008 EA 6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,445.64	634.13
08 33 23 11-0009 EA 6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,533.75	664.32
08 33 23 11-0010 EA 8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,513.61	664.32
08 33 23 11-0011 EA 8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,558.40	679.42
08 33 23 11-0012 EA 8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,609.66	694.52
08 33 23 11-0013 EA 8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,710.82	724.71
08 33 23 11-0014 EA 10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,606.85	694.52
08 33 23 11-0015 EA 10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,697.42	724.71
08 33 23 11-0016 EA 10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,798.02	754.91
08 33 23 11-0017 EA 10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,879.19	785.11

**08 33 23 11-0018 24 Gauge Galvanized Steel Overhead Coiling Doors** (08 33 23 11-0001)

Note: With curtain hood (barrel cover).

08 33 23 11-0019 EA 8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	2,490.28 836.35	763.97
08 33 23 11-0020 EA 8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	2,558.33 863.90	781.34
08 33 23 11-0021 EA 8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	2,760.01 944.89	833.43
08 33 23 11-0022 EA 8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	2,930.95 1,026.21	868.15
08 33 23 11-0023 EA 10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	2,652.61 911.22	798.70
08 33 23 11-0024 EA 10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	2,867.37 978.53	868.15
08 33 23 11-0025 EA 10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,012.68 1,040.63	902.88
08 33 23 11-0026 EA 10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,191.46 1,127.84	937.60
08 33 23 11-0027 EA 12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	2,821.44 990.96	833.43
08 33 23 11-0028 EA 12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	2,978.79 1,062.09	868.15
08 33 23 11-0029 EA 12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,205.58 1,138.43	937.60
08 33 23 11-0030 EA 12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,425.67 1,262.73	967.80
08 33 23 11-0031 EA 14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,529.84 1,259.32	1,028.19
08 33 23 11-0032 EA 14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,833.55 1,405.57	1,088.58
08 33 23 11-0033 EA 14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	4,148.35 1,560.15	1,148.98

**08 33 23 11-0034 22 Gauge Galvanized Steel Overhead Coiling Doors** (08 33 23 11-0001)

Note: With curtain hood (barrel cover).

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors and Frames</b>
<b>08 33</b>	<b>Coiling Doors and Grilles</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0035	EA		4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,204.34	687.58
			<i>For Insulated, Add</i>	725.03	
08 33 23 11-0036	EA		4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,363.72	725.78
			<i>For Insulated, Add</i>	792.95	
08 33 23 11-0037	EA		4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,478.87	755.98
			<i>For Insulated, Add</i>	838.55	
08 33 23 11-0038	EA		6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,526.33	802.17
			<i>For Insulated, Add</i>	811.78	
08 33 23 11-0039	EA		6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,771.31	878.57
			<i>For Insulated, Add</i>	892.38	
08 33 23 11-0040	EA		6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,916.41	908.77
			<i>For Insulated, Add</i>	960.44	
08 33 23 11-0041	EA		6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,237.54	938.96
			<i>For Insulated, Add</i>	1,160.52	
08 33 23 11-0042	EA		6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,588.87	984.26
			<i>For Insulated, Add</i>	1,362.87	
08 33 23 11-0043	EA		8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,738.50	859.47
			<i>For Insulated, Add</i>	893.62	
08 33 23 11-0044	EA		8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,955.08	916.76
			<i>For Insulated, Add</i>	978.68	
08 33 23 11-0045	EA		8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,124.29	954.97
			<i>For Insulated, Add</i>	1,053.97	
08 33 23 11-0046	EA		8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,433.75	985.16
			<i>For Insulated, Add</i>	1,245.31	
08 33 23 11-0047	EA		8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,773.40	1,030.46
			<i>For Insulated, Add</i>	1,438.90	
08 33 23 11-0048	EA		10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,218.64	993.16
			<i>For Insulated, Add</i>	1,073.21	
08 33 23 11-0049	EA		10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,432.48	1,031.37
			<i>For Insulated, Add</i>	1,181.98	
08 33 23 11-0050	EA		10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,813.93	1,091.76
			<i>For Insulated, Add</i>	1,386.54	
08 33 23 11-0051	EA		10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,255.77	1,182.35
			<i>For Insulated, Add</i>	1,595.63	
08 33 23 11-0052	EA		10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,726.63	1,303.14
			<i>For Insulated, Add</i>	1,785.71	
08 33 23 11-0053	EA		10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,257.88	1,454.11
			<i>For Insulated, Add</i>	1,980.32	
08 33 23 11-0054	EA		10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,849.53	1,635.30
			<i>For Insulated, Add</i>	2,179.47	
08 33 23 11-0055	EA		10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,500.60	1,846.68
			<i>For Insulated, Add</i>	2,382.41	
08 33 23 11-0056	EA		12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,441.69	1,031.37
			<i>For Insulated, Add</i>	1,188.89	
08 33 23 11-0057	EA		12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,650.63	1,064.58
			<i>For Insulated, Add</i>	1,300.75	
08 33 23 11-0058	EA		12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,116.60	1,124.97
			<i>For Insulated, Add</i>	1,568.70	
08 33 23 11-0059	EA		12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,642.96	1,215.57
			<i>For Insulated, Add</i>	1,841.17	
08 33 23 11-0060	EA		12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,181.82	1,336.35
			<i>For Insulated, Add</i>	2,082.26	
08 33 23 11-0061	EA		12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,781.06	1,487.33
			<i>For Insulated, Add</i>	2,327.87	
08 33 23 11-0062	EA		12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,440.71	1,668.51
			<i>For Insulated, Add</i>	2,578.00	
08 33 23 11-0063	EA		12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,221.13	1,910.09
			<i>For Insulated, Add</i>	2,837.20	
<b>08 33 23 11-0064</b>			<b>20 Gauge Galvanized Steel Overhead Coiling Doors</b> (08 33 23 11-0001)		
			Note: With curtain hood (barrel cover)		
08 33 23 11-0065	EA		14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,164.01	1,200.92
			<i>For Insulated, Add</i>	1,501.78	
08 33 23 11-0066	EA		14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,524.07	1,261.32
			<i>For Insulated, Add</i>	1,690.28	
08 33 23 11-0067	EA		14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,947.76	1,321.71
			<i>For Insulated, Add</i>	1,926.53	
08 33 23 11-0068	EA		14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,392.06	1,412.30
			<i>For Insulated, Add</i>	2,137.45	
08 33 23 11-0069	EA		14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,918.50	1,533.08
			<i>For Insulated, Add</i>	2,369.22	
08 33 23 11-0070	EA		14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,444.51	1,653.88
			<i>For Insulated, Add</i>	2,600.67	
08 33 23 11-0071	EA		14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,460.80	1,804.85
			<i>For Insulated, Add</i>	3,159.07	
08 33 23 11-0072	EA		14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,537.50	1,986.04
			<i>For Insulated, Add</i>	3,721.99	
08 33 23 11-0073	EA		16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,965.93	1,381.07
			<i>For Insulated, Add</i>	1,860.01	
08 33 23 11-0074	EA		16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,368.78	1,441.46
			<i>For Insulated, Add</i>	2,080.61	
08 33 23 11-0075	EA		16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,732.92	1,501.85
			<i>For Insulated, Add</i>	2,272.19	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0076 EA 16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	6,168.63 2,476.68	1,592.45
08 33 23 11-0077 EA 16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	6,697.02 2,709.90	1,713.23
08 33 23 11-0078 EA 16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	7,286.36 2,988.85	1,834.01
08 33 23 11-0079 EA 16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	8,153.85 3,435.64	1,985.00
08 33 23 11-0080 EA 16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	9,087.60 3,891.36	2,166.17
08 33 23 11-0081 EA 18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	5,415.08 1,963.77	1,553.71
08 33 23 11-0082 EA 18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	5,780.76 2,156.50	1,614.10
08 33 23 11-0083 EA 18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	6,359.78 2,468.48	1,704.68
08 33 23 11-0084 EA 18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	6,924.24 2,728.76	1,825.48
08 33 23 11-0085 EA 18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	7,552.11 2,995.83	1,976.45
08 33 23 11-0086 EA 18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	8,240.76 3,267.73	2,157.64
08 33 23 11-0087 EA 18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	9,338.21 3,805.46	2,369.02
08 33 23 11-0088 EA 18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	10,513.90 4,361.11	2,610.58
08 33 23 11-0089 EA 20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	6,198.12 2,236.42	1,786.76
08 33 23 11-0090 EA 20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	6,851.42 2,644.87	1,847.16
08 33 23 11-0091 EA 20' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	7,826.09 2,920.36	2,184.62
08 33 23 11-0092 EA 20' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	8,543.41 3,336.06	2,275.21
08 33 23 11-0093 EA 20' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	9,415.23 3,826.86	2,396.00
08 33 23 11-0094 EA 20' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	10,376.37 4,384.65	2,516.78
08 33 23 11-0095 EA 20' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	11,402.10 4,950.13	2,667.77
08 33 23 11-0096 EA 20' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	12,503.00 5,531.21	2,848.94
08 33 23 11-0097 EA 22' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	6,906.78 2,324.64	2,115.17
08 33 23 11-0098 EA 22' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	7,656.85 2,764.90	2,205.76
08 33 23 11-0099 EA 22' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	8,722.27 3,297.52	2,403.08
08 33 23 11-0100 EA 22' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	9,634.51 3,859.41	2,493.66
08 33 23 11-0101 EA 22' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	10,609.96 4,427.94	2,614.44
08 33 23 11-0102 EA 22' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	11,674.41 5,063.21	2,735.24
08 33 23 11-0103 EA 22' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	12,802.17 5,705.20	2,886.21
08 33 23 11-0104 EA 22' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	13,984.40 6,347.28	3,067.40
08 33 23 11-0105 EA 24' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	7,609.01 2,565.71	2,326.68
08 33 23 11-0106 EA 24' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	8,118.68 2,866.43	2,387.07
08 33 23 11-0107 EA 24' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	9,166.78 3,570.98	2,447.46
08 33 23 11-0108 EA 24' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	10,176.15 4,205.70	2,538.06
08 33 23 11-0109 EA 24' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	11,209.45 4,817.63	2,658.84
08 33 23 11-0110 EA 24' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	12,331.08 5,495.79	2,779.62
08 33 23 11-0111 EA 24' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	13,707.68 6,304.03	2,945.71
08 33 23 11-0112 EA 24' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	15,114.09 7,134.62	3,111.78
<b>08 33 23 11-0113 18 Gauge Galvanized Steel Overhead Coiling Doors</b> (08 33 23 11-0001) Note: With curtain hood (barrel cover).		
08 33 23 11-0114 EA 14' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	4,428.33 1,700.02	1,200.92
08 33 23 11-0115 EA 14' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	4,824.29 1,915.45	1,261.32
08 33 23 11-0116 EA 14' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	5,293.41 2,185.76	1,321.71

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors and Frames</b>
<b>08 33</b>	<b>Coiling Doors and Grilles</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 23 11-0117	EA	14' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,777.18	1,412.30
		<i>For Insulated, Add</i>	2,426.29	
08 33 23 11-0118	EA	14' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,346.35	1,533.08
		<i>For Insulated, Add</i>	2,690.10	
08 33 23 11-0119	EA	14' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,915.03	1,653.88
		<i>For Insulated, Add</i>	2,953.56	
08 33 23 11-0120	EA	14' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,038.47	1,804.85
		<i>For Insulated, Add</i>	3,592.32	
08 33 23 11-0121	EA	14' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,222.32	1,986.04
		<i>For Insulated, Add</i>	4,235.61	
08 33 23 11-0122	EA	16' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,296.49	1,381.07
		<i>For Insulated, Add</i>	2,107.93	
08 33 23 11-0123	EA	16' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,741.66	1,441.46
		<i>For Insulated, Add</i>	2,360.27	
08 33 23 11-0124	EA	16' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,142.30	1,501.85
		<i>For Insulated, Add</i>	2,579.22	
08 33 23 11-0125	EA	16' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,616.19	1,592.45
		<i>For Insulated, Add</i>	2,812.35	
08 33 23 11-0126	EA	16' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,187.60	1,713.23
		<i>For Insulated, Add</i>	3,077.84	
08 33 23 11-0127	EA	16' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,829.11	1,834.01
		<i>For Insulated, Add</i>	3,395.91	
08 33 23 11-0128	EA	16' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,781.43	1,985.00
		<i>For Insulated, Add</i>	3,906.32	
08 33 23 11-0129	EA	16' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,800.88	2,166.17
		<i>For Insulated, Add</i>	4,426.32	
08 33 23 11-0130	EA	18' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,761.22	1,553.71
		<i>For Insulated, Add</i>	2,223.37	
08 33 23 11-0131	EA	18' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,163.64	1,614.10
		<i>For Insulated, Add</i>	2,443.66	
08 33 23 11-0132	EA	18' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,802.33	1,704.68
		<i>For Insulated, Add</i>	2,800.39	
08 33 23 11-0133	EA	18' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,415.23	1,825.48
		<i>For Insulated, Add</i>	3,097.00	
08 33 23 11-0134	EA	18' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,091.98	1,976.45
		<i>For Insulated, Add</i>	3,400.74	
08 33 23 11-0135	EA	18' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,829.57	2,157.64
		<i>For Insulated, Add</i>	3,709.34	
08 33 23 11-0136	EA	18' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,028.23	2,369.02
		<i>For Insulated, Add</i>	4,322.98	
08 33 23 11-0137	EA	18' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,307.80	2,610.58
		<i>For Insulated, Add</i>	4,956.53	
08 33 23 11-0138	EA	20' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,591.80	1,786.76
		<i>For Insulated, Add</i>	2,531.68	
08 33 23 11-0139	EA	20' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,324.98	1,847.16
		<i>For Insulated, Add</i>	3,000.04	
08 33 23 11-0140	EA	20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,210.18	2,184.62
		<i>For Insulated, Add</i>	3,208.43	
08 33 23 11-0141	EA	20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,987.08	2,275.21
		<i>For Insulated, Add</i>	3,668.81	
08 33 23 11-0142	EA	20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,928.92	2,396.00
		<i>For Insulated, Add</i>	4,212.13	
08 33 23 11-0143	EA	20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,970.02	2,516.78
		<i>For Insulated, Add</i>	4,829.89	
08 33 23 11-0144	EA	20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,076.17	2,667.77
		<i>For Insulated, Add</i>	5,455.68	
08 33 23 11-0145	EA	20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	13,259.13	2,848.94
		<i>For Insulated, Add</i>	6,098.31	
08 33 23 11-0146	EA	22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,204.16	2,115.17
		<i>For Insulated, Add</i>	2,547.67	
08 33 23 11-0147	EA	22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,017.44	2,205.76
		<i>For Insulated, Add</i>	3,035.34	
08 33 23 11-0148	EA	22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,157.40	2,403.08
		<i>For Insulated, Add</i>	3,623.87	
08 33 23 11-0149	EA	22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,150.86	2,493.66
		<i>For Insulated, Add</i>	4,246.67	
08 33 23 11-0150	EA	22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,207.85	2,614.44
		<i>For Insulated, Add</i>	4,876.35	
08 33 23 11-0151	EA	22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,363.72	2,735.24
		<i>For Insulated, Add</i>	5,580.19	
08 33 23 11-0152	EA	22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	13,583.25	2,886.21
		<i>For Insulated, Add</i>	6,291.01	
08 33 23 11-0153	EA	22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	14,856.57	3,067.40
		<i>For Insulated, Add</i>	7,001.41	
08 33 23 11-0154	EA	24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,937.41	2,326.68
		<i>For Insulated, Add</i>	2,812.01	
08 33 23 11-0155	EA	24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,490.30	2,387.07
		<i>For Insulated, Add</i>	3,145.15	
08 33 23 11-0156	EA	24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,641.43	2,447.46
		<i>For Insulated, Add</i>	3,926.97	
08 33 23 11-0157	EA	24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,742.81	2,538.06
		<i>For Insulated, Add</i>	4,630.71	
08 33 23 11-0158	EA	24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,864.09	2,658.84
		<i>For Insulated, Add</i>	5,308.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0159	EA		24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	13,083.50 6,060.10	2,779.62
08 33 23 11-0160	EA		24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	14,576.15 6,955.38	2,945.71
08 33 23 11-0161	EA		24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	16,101.92 7,875.50	3,111.78

**08 33 23 11-0162**

**Aluminum Overhead Coiling Doors (Width x Height)** (08 33 23 11)

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

**08 33 23 11-0163**

**0.04" Aluminum Overhead Coiling Doors** (08 33 23 11-0162)

08 33 23 11-0164	EA	4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,523.40	687.58
08 33 23 11-0165	EA	4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,712.43	725.78
08 33 23 11-0166	EA	4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,192.88	755.98
08 33 23 11-0167	EA	6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,092.73	802.17
08 33 23 11-0168	EA	6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,384.79	878.57
08 33 23 11-0169	EA	6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,584.50	908.77
08 33 23 11-0170	EA	6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,825.98	938.96
08 33 23 11-0171	EA	6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,100.69	984.26
08 33 23 11-0172	EA	8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,379.13	859.47
08 33 23 11-0173	EA	8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,682.28	916.76
08 33 23 11-0174	EA	8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,950.19	954.97
08 33 23 11-0175	EA	8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,191.87	985.16
08 33 23 11-0176	EA	8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,464.74	1,030.46
08 33 23 11-0177	EA	10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,041.32	993.16
08 33 23 11-0178	EA	10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,304.88	1,031.37
08 33 23 11-0179	EA	10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,656.45	1,091.76
08 33 23 11-0180	EA	10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,069.69	1,182.35
08 33 23 11-0181	EA	10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,708.12	1,303.14
08 33 23 11-0182	EA	10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	6,406.83	1,454.11
08 33 23 11-0183	EA	10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	7,162.15	1,635.30
08 33 23 11-0184	EA	10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	7,978.99	1,846.68
08 33 23 11-0185	EA	12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,300.18	1,031.37
08 33 23 11-0186	EA	12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,818.59	1,064.58
08 33 23 11-0187	EA	12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,291.61	1,124.97
08 33 23 11-0188	EA	12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,827.15	1,215.57
08 33 23 11-0189	EA	12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	6,548.73	1,336.35
08 33 23 11-0190	EA	12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	7,332.52	1,487.33
08 33 23 11-0191	EA	12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	7,911.55	1,668.51
08 33 23 11-0192	EA	12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	8,613.80	1,910.09

**08 33 23 11-0193**

**0.05" Aluminum Overhead Coiling Doors** (08 33 23 11-0162)

08 33 23 11-0194	EA	14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	4,916.70	1,200.92
08 33 23 11-0195	EA	14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,540.47	1,261.32
08 33 23 11-0196	EA	14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,152.34	1,321.71
08 33 23 11-0197	EA	14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,776.95	1,412.30
08 33 23 11-0198	EA	14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,500.69	1,533.08
08 33 23 11-0199	EA	14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,224.37	1,653.88
08 33 23 11-0200	EA	14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,018.89	1,804.85
08 33 23 11-0201	EA	14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,873.93	1,986.04
08 33 23 11-0202	EA	16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,730.88	1,381.07
08 33 23 11-0203	EA	16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,382.92	1,441.46
08 33 23 11-0204	EA	16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,008.16	1,501.85
08 33 23 11-0205	EA	16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,713.15	1,592.45
08 33 23 11-0206	EA	16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,532.12	1,713.23
08 33 23 11-0207	EA	16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,395.70	1,834.01
08 33 23 11-0208	EA	16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,283.95	1,985.00
08 33 23 11-0209	EA	16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,186.49	2,166.17
08 33 23 11-0210	EA	18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,405.09	1,553.71
08 33 23 11-0211	EA	18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,103.25	1,614.10
08 33 23 11-0212	EA	18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,929.33	1,704.68
08 33 23 11-0213	EA	18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,804.25	1,825.48
08 33 23 11-0214	EA	18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,749.07	1,976.45
08 33 23 11-0215	EA	18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,748.35	2,157.64
08 33 23 11-0216	EA	18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,806.52	2,369.02
08 33 23 11-0217	EA	18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	12,931.01	2,610.58
08 33 23 11-0218	EA	20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,317.62	1,786.76
08 33 23 11-0219	EA	20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,029.17	1,847.16
08 33 23 11-0220	EA	20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,196.94	1,937.75
08 33 23 11-0221	EA	20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,021.88	2,058.53
08 33 23 11-0222	EA	20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,047.05	2,209.51
08 33 23 11-0223	EA	20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	12,159.39	2,390.69
08 33 23 11-0224	EA	20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	13,284.52	2,602.07
08 33 23 11-0225	EA	20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	14,501.30	2,843.64
08 33 23 11-0226	EA	22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,639.51	2,115.17
08 33 23 11-0227	EA	22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,576.64	2,205.76
08 33 23 11-0228	EA	22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,834.47	2,403.08
08 33 23 11-0229	EA	22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,859.37	2,493.66
08 33 23 11-0230	EA	22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	12,943.22	2,614.44



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0231	EA		22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	14,037.46	2,735.24
08 33 23 11-0232	EA		22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	15,135.55	2,886.21
08 33 23 11-0233	EA		22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	16,301.47	3,067.40
08 33 23 11-0234	EA		24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	9,522.43	2,326.68
08 33 23 11-0235	EA		24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	10,097.08	2,387.07
08 33 23 11-0236	EA		24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	11,470.86	2,447.46
08 33 23 11-0237	EA		24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	12,617.79	2,538.06
08 33 23 11-0238	EA		24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	13,764.12	2,658.84
08 33 23 11-0239	EA		24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	14,910.47	2,779.62
08 33 23 11-0240	EA		24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	16,271.94	2,930.61
08 33 23 11-0241	EA		24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	17,738.48	3,111.78
<b>08 33 23 11-0242</b>			<b>Overhead Coiling Door Accessories (08 33 23 11)</b>		
08 33 23 11-0243	LF		Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only .....	4.89	1.36
08 33 23 11-0244	LF		Top Of Door (Lintel), Weather Strip Seal For Coiling Doors .....	32.74	1.63
08 33 23 11-0245	LF		Side Of Door (Guides), Weather Strip Seal For Coiling Doors .....	31.21	1.63
08 33 23 11-0246	EA		Cylinder Lock For Coiling Doors .....	255.33	68.11
08 33 23 11-0247	EA		Up To 12' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	1,747.83	217.95
			Note: Includes three button inside station controls and mounting hardware.		
08 33 23 11-0248	EA		Up To 12' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	2,215.79	217.95
			Note: Includes three button inside station controls and mounting hardware.		
08 33 23 11-0249	EA		>12' To 18' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	2,071.46	245.19
			Note: Includes three button inside station controls and mounting hardware.		
08 33 23 11-0250	EA		>12' To 18' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	2,455.68	245.19
			Note: Includes three button inside station controls and mounting hardware.		
08 33 23 11-0251	EA		>18' To 24' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	2,675.89	272.43
			Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 33 23 11-0252	EA		>18' To 24' Height, 1 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	2,908.98	272.43
			Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 33 23 11-0253	LF		Safety Edge Bottom Bar Obstruction Detection Device, Electric For Coiling Doors And Grilles .....	108.19	
08 33 23 11-0254	EA		Remote Transmitter Kit For Coiling Door Operators .....	340.44	108.97
<b>08 33 23 11-0255</b>			<b>Removal And Reinstallation Of Roll-Up Door And Support (08 33 23 11)</b>		
			Note: Includes storage, cleaning and supply materials.		
08 33 23 11-0256	SF		Removal And Reinstallation Of Metal Roll-up Door And Supports .....	23.43	
<b>08 33 23 13</b>			<b>Overhead Rapid Coiling Doors (08 33 23)</b>		
			Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0981 for forklift.		
<b>08 33 23 13-0001</b>			<b>32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13)</b>		
			Note: Door panel is 32 ounce vinyl. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Manual drive system.		
<b>08 33 23 13-0002</b>			<b>32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0001)</b>		
<b>08 33 23 13-0003</b>			<b>5' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)</b>		
08 33 23 13-0004	EA		5' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	3,841.31	398.84
08 33 23 13-0005	EA		5' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,048.47	417.36
08 33 23 13-0006	EA		5' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,254.31	435.90
08 33 23 13-0007	EA		5' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,458.84	454.42
08 33 23 13-0008	EA		5' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,666.00	472.95
08 33 23 13-0009	EA		5' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,871.85	491.47
<b>08 33 23 13-0010</b>			<b>6' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)</b>		
08 33 23 13-0011	EA		6' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,048.47	417.36
08 33 23 13-0012	EA		6' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,254.31	435.90
08 33 23 13-0013	EA		6' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,458.84	454.42
08 33 23 13-0014	EA		6' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,666.00	472.95
08 33 23 13-0015	EA		6' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,871.85	491.47
08 33 23 13-0016	EA		6' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,077.71	510.00
<b>08 33 23 13-0017</b>			<b>7' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)</b>		
08 33 23 13-0018	EA		7' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,254.31	435.90
08 33 23 13-0019	EA		7' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,458.84	454.42
08 33 23 13-0020	EA		7' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,666.00	472.95
08 33 23 13-0021	EA		7' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,871.85	491.47
08 33 23 13-0022	EA		7' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,077.71	510.00
08 33 23 13-0023	EA		7' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,284.87	528.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 33 23 13-0024</b>	<b>8' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®)</b> <small>(08 33 23 13-0002)</small>	
08 33 23 13-0025	EA 8' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,458.84 454.42
08 33 23 13-0026	EA 8' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,666.00 472.95
08 33 23 13-0027	EA 8' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,871.85 491.47
08 33 23 13-0028	EA 8' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,077.71 510.00
08 33 23 13-0029	EA 8' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,284.87 528.52
08 33 23 13-0030	EA 8' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,489.40 547.05
<b>08 33 23 13-0031</b>	<b>9' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®)</b> <small>(08 33 23 13-0002)</small>	
08 33 23 13-0032	EA 9' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,666.00 472.95
08 33 23 13-0033	EA 9' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,871.85 491.47
08 33 23 13-0034	EA 9' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,077.71 510.00
08 33 23 13-0035	EA 9' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,284.87 528.52
08 33 23 13-0036	EA 9' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,489.40 547.05
08 33 23 13-0037	EA 9' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,696.57 565.57
<b>08 33 23 13-0038</b>	<b>10' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®)</b> <small>(08 33 23 13-0002)</small>	
08 33 23 13-0039	EA 10' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,871.85 491.47
08 33 23 13-0040	EA 10' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,077.71 510.00
08 33 23 13-0041	EA 10' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,284.87 528.52
08 33 23 13-0042	EA 10' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,489.40 547.05
08 33 23 13-0043	EA 10' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,696.57 565.57
08 33 23 13-0044	EA 10' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,902.41 584.10
<b>08 33 23 13-0045</b>	<b>Rytec® Bantam® Door Options</b> <small>(08 33 23 13-0001)</small>	
08 33 23 13-0046	SF Upgrade To 2-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors .....	8.24
08 33 23 13-0047	SF Upgrade To 3-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors .....	18.13
08 33 23 13-0048	LF 31" High Full Vision Panel For Rytec® Bantam® High-Speed Rolling Doors .....	26.37
Note: Multiply linear foot price x width of door.		
08 33 23 13-0049	EA Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Bantam® High-Speed Rolling Doors .....	250.56
08 33 23 13-0050	EA Roll Cover For Rytec® Bantam® High-Speed Rolling Doors .....	504.59 54.48
08 33 23 13-0051	EA Motor Cover For Rytec® Bantam® High-Speed Rolling Doors .....	504.59 54.48
08 33 23 13-0052	EA Motor Operator For Rytec® Bantam® High-Speed Rolling Doors .....	2,097.13 108.97
Note: Includes open/close/stop pushbutton, pneumatic reversing edge and coil cord.		
08 33 23 13-0053	EA Additional NEMA 4 Pushbutton Control For Rytec® Bantam® Motor Operator .....	280.40 54.48
Note: Includes open/close/stop control.		
08 33 23 13-0054	EA Auto Close Feature For Rytec® Bantam® Motor Operator .....	273.81 54.48
<b>08 33 23 13-0055</b>	<b>2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> <small>(08 33 23 13-0055)</small>	
Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		
<b>08 33 23 13-0056</b>	<b>2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> <small>(08 33 23 13-0055)</small>	
<b>08 33 23 13-0057</b>	<b>6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> <small>(08 33 23 13-0056)</small>	
08 33 23 13-0058	EA 6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	11,475.31 435.90
08 33 23 13-0059	EA 6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	11,666.21 454.42
08 33 23 13-0060	EA 6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	11,885.20 472.95
08 33 23 13-0061	EA 6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	12,187.21 491.47
08 33 23 13-0062	EA 6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	12,495.34 510.00
08 33 23 13-0063	EA 6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	13,008.60 528.52
08 33 23 13-0064	EA 6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	13,375.33 547.05
<b>08 33 23 13-0065</b>	<b>7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> <small>(08 33 23 13-0056)</small>	
08 33 23 13-0066	EA 7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	11,706.50 454.42
08 33 23 13-0067	EA 7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	11,947.47 472.95
08 33 23 13-0068	EA 7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	12,248.26 491.47
08 33 23 13-0069	EA 7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	12,566.16 510.00
08 33 23 13-0070	EA 7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	12,982.96 528.52
08 33 23 13-0071	EA 7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	13,484.00 547.05
08 33 23 13-0072	EA 7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	13,881.26 565.57



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0073			<b>8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> (08 33 23 13-0056)		
08 33 23 13-0074	EA		8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,986.54	472.95
08 33 23 13-0075	EA		8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,286.12	491.47
08 33 23 13-0076	EA		8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,616.23	510.00
08 33 23 13-0077	EA		8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,045.23	528.52
08 33 23 13-0078	EA		8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,432.72	547.05
08 33 23 13-0079	EA		8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,977.72	565.57
08 33 23 13-0080	EA		8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,426.26	584.10
08 33 23 13-0081			<b>9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> (08 33 23 13-0056)		
08 33 23 13-0082	EA		9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,326.41	491.47
08 33 23 13-0083	EA		9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,654.08	510.00
08 33 23 13-0084	EA		9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,083.08	528.52
08 33 23 13-0085	EA		9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,482.78	547.05
08 33 23 13-0086	EA		9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,902.02	565.57
08 33 23 13-0087	EA		9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,337.13	584.10
08 33 23 13-0088	EA		9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,813.75	602.62
08 33 23 13-0089			<b>10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> (08 33 23 13-0056)		
08 33 23 13-0090	EA		10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,685.83	510.00
08 33 23 13-0091	EA		10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,123.38	528.52
08 33 23 13-0092	EA		10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,519.41	547.05
08 33 23 13-0093	EA		10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,942.31	565.57
08 33 23 13-0094	EA		10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,410.39	584.10
08 33 23 13-0095	EA		10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,910.93	602.62
08 33 23 13-0096	EA		10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	15,301.37	621.14
08 33 23 13-0097			<b>11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> (08 33 23 13-0056)		
08 33 23 13-0098	EA		11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,146.58	528.52
08 33 23 13-0099	EA		11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,552.38	547.05
08 33 23 13-0100	EA		11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,980.16	565.57
08 33 23 13-0101	EA		11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,449.46	584.10
08 33 23 13-0102	EA		11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,760.03	602.62
08 33 23 13-0103	EA		11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	15,367.30	621.14
08 33 23 13-0104	EA		11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	15,865.92	639.67
08 33 23 13-0105			<b>12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> (08 33 23 13-0056)		
08 33 23 13-0106	EA		12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,563.37	547.05
08 33 23 13-0107	EA		12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,002.14	565.57
08 33 23 13-0108	EA		12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,479.99	584.10
08 33 23 13-0109	EA		12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,801.54	602.62
08 33 23 13-0110	EA		12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	15,222.00	621.14
08 33 23 13-0111	EA		12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	15,922.09	639.67
08 33 23 13-0112	EA		12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	16,410.92	658.19
08 33 23 13-0113			<b>Rytec® PredaDoor® Door Options</b> (08 33 23 13-0055)		
08 33 23 13-0114	EA		Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	614.79	108.97
08 33 23 13-0115	EA		>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	877.31	108.97
08 33 23 13-0116	SF		Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors.....	9.89	
08 33 23 13-0117			<b>3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> (08 33 23 13-0117)		
			Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.		
08 33 23 13-0118			<b>3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> (08 33 23 13-0117)		
08 33 23 13-0119			<b>8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> (08 33 23 13-0118)		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0120	EA 8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	17,539.57 675.00 1,100.00 2,750.00 2,200.00 3,300.00	980.76	
08 33 23 13-0121	EA 8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	18,328.99 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,008.55	
08 33 23 13-0122	EA 8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	19,018.29 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,036.33	
08 33 23 13-0123	EA 8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	19,758.88 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,064.13	
08 33 23 13-0124	EA 8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	20,597.13 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,091.91	
08 33 23 13-0125	EA 8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	21,042.23 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,119.70	
08 33 23 13-0126	EA 8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	21,731.52 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,147.49	
08 33 23 13-0127	EA 8' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	22,347.84 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,177.33	
08 33 23 13-0128	EA 8' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	23,322.93 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,207.93	
08 33 23 13-0129	EA 8' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	24,113.69 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,239.33	
08 33 23 13-0130	EA 8' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	25,090.69 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,271.56	
<b>08 33 23 13-0131</b>	<b>9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>			
08 33 23 13-0132	EA 9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	18,328.99 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,008.55	
08 33 23 13-0133	EA 9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	19,018.29 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,036.33	

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors and Frames</b>
<b>08 33</b>	<b>Coiling Doors and Grilles</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0134	EA	9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,758.88	1,064.13	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00		
08 33 23 13-0135	EA	9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,597.13	1,091.91	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00		
08 33 23 13-0136	EA	9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,042.23	1,119.70	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00		
08 33 23 13-0137	EA	9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,731.52	1,147.49	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00		
08 33 23 13-0138	EA	9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	22,617.41	1,175.27	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00		
08 33 23 13-0139	EA	9' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	23,322.93	1,207.93	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00		
08 33 23 13-0140	EA	9' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	24,113.69	1,239.33	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00		
08 33 23 13-0141	EA	9' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	25,090.69	1,271.56	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00		
08 33 23 13-0142	EA	9' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,252.68	1,304.62	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00		
<b>08 33 23 13-0143</b>		<b>10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b>			
		<small>(08 33 23 13-0118)</small>			
08 33 23 13-0144	EA	10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,018.29	1,036.33	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00		
08 33 23 13-0145	EA	10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,758.88	1,064.13	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00		
08 33 23 13-0146	EA	10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,597.13	1,091.91	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00		
08 33 23 13-0147	EA	10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,042.23	1,119.70	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0148 EA 10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	21,731.52 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,147.49
08 33 23 13-0149 EA 10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	22,617.41 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,175.27
08 33 23 13-0150 EA 10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	23,454.45 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,203.07
08 33 23 13-0151 EA 10' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	24,112.48 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,238.74
08 33 23 13-0152 EA 10' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	25,089.45 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,270.95
08 33 23 13-0153 EA 10' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	26,251.40 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,303.99
08 33 23 13-0154 EA 10' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	27,233.08 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,337.89
<b>08 33 23 13-0155 11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0156 EA 11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	19,758.88 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,064.13
08 33 23 13-0157 EA 11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	20,597.13 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,091.91
08 33 23 13-0158 EA 11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	21,042.23 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,119.70
08 33 23 13-0159 EA 11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	21,731.52 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,147.49
08 33 23 13-0160 EA 11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	22,617.41 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,175.27
08 33 23 13-0161 EA 11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	23,454.45 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,203.07

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors and Frames</b>
<b>08 33</b>	<b>Coiling Doors and Grilles</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0162	EA	11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	24,389.18	1,230.85
		<i>For NEMA 4X Control Box, Add</i>		675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>		1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>		2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>		3,850.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>		5,775.00	
08 33 23 13-0163	EA	11' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	25,086.48	1,269.46
		<i>For NEMA 4X Control Box, Add</i>		675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>		1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>		2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>		3,850.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>		5,775.00	
08 33 23 13-0164	EA	11' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	26,248.35	1,302.46
		<i>For NEMA 4X Control Box, Add</i>		675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>		1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>		2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>		3,850.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>		5,775.00	
08 33 23 13-0165	EA	11' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	27,229.95	1,336.33
		<i>For NEMA 4X Control Box, Add</i>		675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>		1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>		2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>		3,850.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>		5,775.00	
08 33 23 13-0166	EA	11' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	28,393.99	1,371.07
		<i>For NEMA 4X Control Box, Add</i>		675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>		1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>		2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>		3,850.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>		5,775.00	
<b>08 33 23 13-0167 12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b>					
<small>(08 33 23 13-0118)</small>					
08 33 23 13-0168	EA	12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	20,597.13	1,091.91
		<i>For NEMA 4X Control Box, Add</i>		675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>		1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>		2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>		4,400.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>		6,600.00	
08 33 23 13-0169	EA	12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	21,042.23	1,119.70
		<i>For NEMA 4X Control Box, Add</i>		675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>		1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>		2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>		4,400.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>		6,600.00	
08 33 23 13-0170	EA	12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	21,731.52	1,147.49
		<i>For NEMA 4X Control Box, Add</i>		675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>		1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>		2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>		4,400.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>		6,600.00	
08 33 23 13-0171	EA	12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	22,617.41	1,175.27
		<i>For NEMA 4X Control Box, Add</i>		675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>		1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>		2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>		4,400.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>		6,600.00	
08 33 23 13-0172	EA	12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	23,454.45	1,203.07
		<i>For NEMA 4X Control Box, Add</i>		675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>		1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>		2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>		4,400.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>		6,600.00	
08 33 23 13-0173	EA	12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	24,389.18	1,230.85
		<i>For NEMA 4X Control Box, Add</i>		675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>		1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>		2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>		4,400.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>		6,600.00	
08 33 23 13-0174	EA	12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	25,063.82	1,258.64
		<i>For NEMA 4X Control Box, Add</i>		675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>		1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>		2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>		4,400.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>		6,600.00	
08 33 23 13-0175	EA	12' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	26,243.79	1,300.17
		<i>For NEMA 4X Control Box, Add</i>		675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>		1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>		2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>		4,400.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>		6,600.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0176	EA		12' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	27,225.26 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,333.98
08 33 23	13-0177	EA		12' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	28,389.18 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,368.67
08 33 23	13-0178	EA		12' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	29,554.88 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,404.25
08 33 23	13-0179			<b>13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23	13-0180	EA		13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	21,545.30 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,119.70
08 33 23	13-0181	EA		13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	22,423.85 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,147.49
08 33 23	13-0182	EA		13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	23,257.23 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,175.27
08 33 23	13-0183	EA		13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	24,223.71 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,203.07
08 33 23	13-0184	EA		13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	25,186.52 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,230.85
08 33 23	13-0185	EA		13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	25,903.90 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,258.64
08 33 23	13-0186	EA		13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	26,451.55 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,286.43
08 33 23	13-0187	EA		13' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	27,294.45 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,330.99
08 33 23	13-0188	EA		13' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	28,459.52 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,365.59
08 33 23	13-0189	EA		13' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	29,630.35 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,401.11

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0190	EA		13' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	30,663.24 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,437.53
<b>08 33 23 13-0191 14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)</b>					
08 33 23 13-0192	EA		14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	22,423.85 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,147.49
08 33 23 13-0193	EA		14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	23,257.23 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,175.27
08 33 23 13-0194	EA		14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	24,223.71 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,203.07
08 33 23 13-0195	EA		14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	25,186.52 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,230.85
08 33 23 13-0196	EA		14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	25,903.90 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,258.64
08 33 23 13-0197	EA		14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	26,451.55 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,286.43
08 33 23 13-0198	EA		14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	27,260.51 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,314.21
08 33 23 13-0199	EA		14' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	28,451.81 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,361.74
08 33 23 13-0200	EA		14' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	29,622.43 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,397.14
08 33 23 13-0201	EA		14' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	30,655.12 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,433.46
08 33 23 13-0202	EA		14' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	32,888.40 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,470.74
<b>08 33 23 13-0203 15' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)</b>					
08 33 23 13-0204	EA		15' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	23,202.04 675.00 1,100.00 2,750.00	1,147.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0205 EA 15' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	24,168.86 675.00 1,100.00 2,750.00	1,175.27
08 33 23 13-0206 EA 15' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	25,131.72 675.00 1,100.00 2,750.00	1,203.07
08 33 23 13-0207 EA 15' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	25,849.30 675.00 1,100.00 2,750.00	1,230.85
08 33 23 13-0208 EA 15' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	26,396.76 675.00 1,100.00 2,750.00	1,258.64
08 33 23 13-0209 EA 15' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	27,205.32 675.00 1,100.00 2,750.00	1,286.43
08 33 23 13-0210 EA 15' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	28,417.22 675.00 1,100.00 2,750.00	1,344.45
08 33 23 13-0211 EA 15' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	29,614.27 675.00 1,100.00 2,750.00	1,393.06
08 33 23 13-0212 EA 15' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	30,646.73 675.00 1,100.00 2,750.00	1,429.27
08 33 23 13-0213 EA 15' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	32,879.80 675.00 1,100.00 2,750.00	1,466.44
08 33 23 13-0214 EA 15' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	34,455.45 675.00 1,100.00 2,750.00	1,504.57
<b>08 33 23 13-0215 16' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0216 EA 16' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	24,220.07 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,200.88
08 33 23 13-0217 EA 16' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	25,185.51 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,229.96
08 33 23 13-0218 EA 16' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	25,905.68 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,259.04
08 33 23 13-0219 EA 16' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	26,455.73 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,288.12
08 33 23 13-0220 EA 16' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	27,266.88 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,317.20
08 33 23 13-0221 EA 16' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	28,420.90 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,346.29
08 33 23 13-0222 EA 16' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	29,578.88 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,375.36

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0223	EA		16' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,638.37	1,425.09
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,070.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,790.00	
08 33 23 13-0224	EA		16' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,871.23	1,462.15
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,070.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,790.00	
08 33 23 13-0225	EA		16' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,446.65	1,500.16
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,070.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,790.00	
08 33 23 13-0226	EA		16' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,031.97	1,539.17
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,070.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,790.00	
<b>08 33 23 13-0227</b>			<b>17' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0228	EA		17' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,095.55	1,228.50
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0229	EA		17' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,904.08	1,258.25
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0230	EA		17' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,880.10	1,288.00
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0231	EA		17' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,951.06	1,317.75
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0232	EA		17' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,934.99	1,347.50
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0233	EA		17' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,392.34	1,377.25
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0234	EA		17' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	31,796.94	1,407.00
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0235	EA		17' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,862.68	1,457.88
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0236	EA		17' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,437.88	1,495.78
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0237	EA		17' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,022.97	1,534.67
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0238	EA		17' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,561.28	1,574.57
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
<b>08 33 23 13-0239</b>			<b>18' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0240	EA		18' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,156.94	1,256.76
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0241	EA			18' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	27,221.35 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,287.19
08 33 23 13-0242	EA			18' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	28,379.40 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,317.63
08 33 23 13-0243	EA			18' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	29,533.49 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,348.06
08 33 23 13-0244	EA			18' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	30,736.38 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,378.50
08 33 23 13-0245	EA			18' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	32,440.38 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,408.93
08 33 23 13-0246	EA			18' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	34,191.85 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,439.36
08 33 23 13-0247	EA			18' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	35,068.71 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,491.40
08 33 23 13-0248	EA			18' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	36,013.99 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,530.19
08 33 23 13-0249	EA			18' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	37,508.55 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,569.97
08 33 23 13-0250	EA			18' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	39,051.34 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,610.78
<b>08 33 23 13-0251</b>				<b>19' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0252	EA			19' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	27,218.30 675.00 1,100.00 2,750.00	1,285.66
08 33 23 13-0253	EA			19' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	28,377.75 675.00 1,100.00 2,750.00	1,316.79
08 33 23 13-0254	EA			19' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	29,533.24 675.00 1,100.00 2,750.00	1,347.93
08 33 23 13-0255	EA			19' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	30,737.53 675.00 1,100.00 2,750.00	1,379.06
08 33 23 13-0256	EA			19' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	32,442.92 675.00 1,100.00 2,750.00	1,410.20

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors and Frames</b>
<b>08 33</b>	<b>Coiling Doors and Grilles</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0257	EA		19' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,195.79	1,441.33
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0258	EA		19' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,030.84	1,472.47
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0259	EA		19' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,005.05	1,525.70
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0260	EA		19' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,499.37	1,565.37
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0261	EA		19' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,041.92	1,606.07
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0262	EA		19' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	40,586.58	1,647.84
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
<b>08 33 23 13-0263</b>			<b>20' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0264	EA		20' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,374.62	1,315.23
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0265	EA		20' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,531.54	1,347.08
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0266	EA		20' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,737.26	1,378.93
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0267	EA		20' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,444.09	1,410.78
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0268	EA		20' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,198.40	1,442.63
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0269	EA		20' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,034.88	1,474.48
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0270	EA		20' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,966.30	1,506.33
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0271	EA		20' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,490.21	1,560.80
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0272	EA		20' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,032.53	1,601.38
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0273	EA		20' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	40,576.95	1,643.01
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0274	EA		20' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	41,938.91	1,685.73
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
<b>08 33 23 13-0275</b>			<b>21' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0276	EA		21' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,391.18	1,410.64
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0277	EA		21' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,099.46	1,443.23
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0278 EA 21' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,853.92	1,475.81
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0279 EA 21' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,694.49	1,508.39
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0280 EA 21' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	40,626.06	1,540.98
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0281 EA 21' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	42,152.49	1,596.70
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0282 EA 21' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	43,696.68	1,638.21
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0283 EA 21' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	45,243.01	1,680.81
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0284 EA 21' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	46,606.93	1,724.51
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
<b>08 33 23 13-0285 22' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0286 EA 22' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,732.59	1,443.09
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0287 EA 22' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,443.70	1,476.43
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0288 EA 22' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	40,198.33	1,509.75
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0289 EA 22' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	41,039.09	1,543.09
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0290 EA 22' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	41,974.80	1,576.42
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0291 EA 22' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	43,503.79	1,633.42
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0292 EA 22' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	45,049.88	1,675.89
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0293 EA 22' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	46,596.84	1,719.46
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0294 EA 22' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	47,964.10	1,764.17
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
<b>08 33 23 13-0295 23' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0296 EA 23' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,076.81	1,476.29
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0297 EA 23' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,788.14	1,510.38
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0298 EA 23' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	41,545.63	1,544.48
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0299	EA		23' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	42,387.91	1,578.58
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0300	EA		23' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	43,323.84	1,612.68
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0301	EA		23' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	44,856.77	1,670.99
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0302	EA		23' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	46,403.49	1,714.44
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0303	EA		23' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	47,953.79	1,759.01
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0304	EA		23' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	49,323.10	1,804.74
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
<b>08 33 23 13-0305</b>			<b>24' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0306	EA		24' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,421.25	1,510.24
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0307	EA		24' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	41,134.15	1,545.12
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0308	EA		24' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	42,894.51	1,580.01
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0309	EA		24' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	43,738.38	1,614.88
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0310	EA		24' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	44,674.55	1,649.77
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0311	EA		24' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	46,208.84	1,709.42
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0312	EA		24' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	47,758.89	1,753.86
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0313	EA		24' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	49,312.54	1,799.47
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0314	EA		24' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	50,681.33	1,846.26
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
<b>08 33 23 13-0315</b>			<b>Rytec® Fast-Seal® Door Options</b> <small>(08 33 23 13-0117)</small>		
08 33 23 13-0316	LF		Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors .....	36.63	
			Note: Multiply linear foot price x width of door.		
08 33 23 13-0317	EA		Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors .....	396.84	
08 33 23 13-0318	EA		>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors .....	659.36	
08 33 23 13-0319	EA		>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors .....	969.65	
08 33 23 13-0320	EA		>20' To 24' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors .....	1,450.60	
08 33 23 13-0321	EA		One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	232.00	
08 33 23 13-0322	EA		Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	457.89	
			Note: Door must be at least 90" wide.		
08 33 23 13-0323	EA		Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	580.00	
			Note: Door must be at least 102" wide.		
08 33 23 13-0324	EA		Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	915.78	
			Note: Door must be at least 136" wide.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0325 EA One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	268.63	
08 33 23 13-0326 EA Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	531.15	
Note: Door must be at least 108" wide.		
08 33 23 13-0327 EA Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	659.36	
Note: Door must be at least 144" wide.		
08 33 23 13-0328 EA Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	1,062.31	
Note: Door must be at least 192" wide.		
08 33 23 13-0329 EA Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 8' Or 10' .....	723.90	
For 304 Stainless Steel, Add	115.82	
For 316 Stainless Steel, Add	506.73	
08 33 23 13-0330 EA Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 12' Or 14' .....	941.07	
For 304 Stainless Steel, Add	150.57	
For 316 Stainless Steel, Add	658.75	
08 33 23 13-0331 EA Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 16' Or 18' .....	1,230.63	
For 304 Stainless Steel, Add	196.90	
For 316 Stainless Steel, Add	861.44	
08 33 23 13-0332 EA Through Wall Brake Release .....	136.47	
08 33 23 13-0333 EA Explosion Proof Upgrade Package: Control Box, Motor, Rotary Limit Switch, Photo-eyes, Safety Bar, Push Buttons .....	20,775.93	
For NEMA 12 Control Box Mounted Outside Explosion Proof Area, Deduct	-6,200.00	
<b>08 33 23 13-0334 High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13)</small>		
Note: Rytec® Powerhouse™, Door panel is styrene butadiene rubber (SBR) panel 1/4" thick, made of two 1/8" thick layers, 60 durometer; sandwiched with 1-ply, 110 lbs polyester cord center. Panel includes bonded SBR beveled segmented windlocks to allow the door panel to effectively release from the side frame in case of accidental impact. Vertical orange stripes for visual safety awareness. Side frames are structural columns consisting of 5 x 2 x 1/4" structural steel tubing, welded to a reinforced 0.22" thick steel 'Z' mounting bracket and 0.18" thick steel hinged cover. Drive system is a 480 volt, 3-phase variable speed AC Drive motor with brake and absolute encoder. Opens at up to 60" per second and closes at 21" per second.		
<b>08 33 23 13-0335 High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0334)</small>		
<b>08 33 23 13-0336 8' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>		
08 33 23 13-0337 EA 8' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	23,061.13	980.76
08 33 23 13-0338 EA 8' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	23,272.31	1,008.55
08 33 23 13-0339 EA 8' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	23,637.79	1,036.33
08 33 23 13-0340 EA 8' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,003.27	1,064.13
08 33 23 13-0341 EA 8' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,370.06	1,091.91
08 33 23 13-0342 EA 8' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,735.54	1,119.70
08 33 23 13-0343 EA 8' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,945.40	1,147.49
08 33 23 13-0344 EA 8' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	25,316.30	1,177.33
08 33 23 13-0345 EA 8' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	25,997.31	1,207.93
08 33 23 13-0346 EA 8' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	26,215.74	1,239.34
08 33 23 13-0347 EA 8' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	26,745.69	1,271.56
<b>08 33 23 13-0348 9' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>		
08 33 23 13-0349 EA 9' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	23,272.31	1,008.55
08 33 23 13-0350 EA 9' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	23,482.18	1,036.33
08 33 23 13-0351 EA 9' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	23,848.98	1,064.13
08 33 23 13-0352 EA 9' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,370.06	1,091.91
08 33 23 13-0353 EA 9' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,579.93	1,119.70
08 33 23 13-0354 EA 9' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,945.40	1,147.49
08 33 23 13-0355 EA 9' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	25,312.20	1,175.27
08 33 23 13-0356 EA 9' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	25,687.41	1,207.93
08 33 23 13-0357 EA 9' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	26,525.64	1,239.34
08 33 23 13-0358 EA 9' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	27,366.81	1,271.56
08 33 23 13-0359 EA 9' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	28,208.34	1,304.62
<b>08 33 23 13-0360 10' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>		
08 33 23 13-0361 EA 10' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,413.20	1,036.33
08 33 23 13-0362 EA 10' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,624.39	1,064.13
08 33 23 13-0363 EA 10' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,989.86	1,091.91
08 33 23 13-0364 EA 10' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	25,510.95	1,119.70
08 33 23 13-0365 EA 10' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	25,876.42	1,147.49
08 33 23 13-0366 EA 10' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	26,243.22	1,175.27
08 33 23 13-0367 EA 10' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	26,608.70	1,203.07
08 33 23 13-0368 EA 10' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	27,145.55	1,238.73
08 33 23 13-0369 EA 10' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	27,829.76	1,270.95
08 33 23 13-0370 EA 10' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	28,826.87	1,303.98
08 33 23 13-0371 EA 10' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	29,671.41	1,337.89



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 33 23 13-0372	11' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		
08 33 23 13-0373	EA 11' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,468.78	1,064.13
08 33 23 13-0374	EA 11' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,834.25	1,091.91
08 33 23 13-0375	EA 11' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,201.05	1,119.70
08 33 23 13-0376	EA 11' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,722.13	1,147.49
08 33 23 13-0377	EA 11' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,087.61	1,175.27
08 33 23 13-0378	EA 11' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,453.09	1,203.07
08 33 23 13-0379	EA 11' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,285.40	1,230.85
08 33 23 13-0380	EA 11' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,292.30	1,269.45
08 33 23 13-0381	EA 11' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,289.34	1,302.46
08 33 23 13-0382	EA 11' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,288.09	1,336.33
08 33 23 13-0383	EA 11' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,132.98	1,371.06
08 33 23 13-0384	12' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		
08 33 23 13-0385	EA 12' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,679.96	1,091.91
08 33 23 13-0386	EA 12' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,045.44	1,119.70
08 33 23 13-0387	EA 12' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,410.91	1,147.49
08 33 23 13-0388	EA 12' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,932.00	1,175.27
08 33 23 13-0389	EA 12' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,453.09	1,203.07
08 33 23 13-0390	EA 12' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,439.69	1,230.85
08 33 23 13-0391	EA 12' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,426.28	1,258.64
08 33 23 13-0392	EA 12' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,440.37	1,300.18
08 33 23 13-0393	EA 12' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,593.28	1,333.98
08 33 23 13-0394	EA 12' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,593.68	1,368.66
08 33 23 13-0395	EA 12' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,595.86	1,404.25
08 33 23 13-0396	13' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		
08 33 23 13-0397	EA 13' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,045.44	1,119.70
08 33 23 13-0398	EA 13' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,256.62	1,147.49
08 33 23 13-0399	EA 13' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,622.10	1,175.27
08 33 23 13-0400	EA 13' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,298.80	1,203.07
08 33 23 13-0401	EA 13' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,439.69	1,230.85
08 33 23 13-0402	EA 13' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,581.89	1,258.64
08 33 23 13-0403	EA 13' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,568.48	1,286.43
08 33 23 13-0404	EA 13' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,742.92	1,330.99
08 33 23 13-0405	EA 13' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,898.76	1,365.59
08 33 23 13-0406	EA 13' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,055.08	1,401.11
08 33 23 13-0407	EA 13' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,058.96	1,437.53
08 33 23 13-0408	14' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		
08 33 23 13-0409	EA 14' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,256.62	1,147.49
08 33 23 13-0410	EA 14' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,466.49	1,175.27
08 33 23 13-0411	EA 14' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,987.58	1,203.07
08 33 23 13-0412	EA 14' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,974.18	1,230.85
08 33 23 13-0413	EA 14' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,426.28	1,258.64
08 33 23 13-0414	EA 14' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,568.48	1,286.43
08 33 23 13-0415	EA 14' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,864.98	1,314.21
08 33 23 13-0416	EA 14' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,045.32	1,361.74
08 33 23 13-0417	EA 14' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,202.76	1,397.15
08 33 23 13-0418	EA 14' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,360.73	1,433.46
08 33 23 13-0419	EA 14' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,677.51	1,470.74
08 33 23 13-0420	15' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		
08 33 23 13-0421	EA 15' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,240.43	1,173.88
08 33 23 13-0422	EA 15' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,607.19	1,202.31
08 33 23 13-0423	EA 15' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,129.55	1,230.73
08 33 23 13-0424	EA 15' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,806.21	1,259.16
08 33 23 13-0425	EA 15' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,415.20	1,287.59
08 33 23 13-0426	EA 15' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,712.97	1,316.01
08 33 23 13-0427	EA 15' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,010.75	1,344.45
08 33 23 13-0428	EA 15' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,194.61	1,393.06
08 33 23 13-0429	EA 15' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,507.96	1,429.27
08 33 23 13-0430	EA 15' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,823.20	1,466.44
08 33 23 13-0431	EA 15' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,140.38	1,504.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 33 23 13-0432</b> <b>16' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>		
08 33 23 13-0433 EA 16' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,448.72	1,200.88
08 33 23 13-0434 EA 16' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,972.39	1,229.96
08 33 23 13-0435 EA 16' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,496.07	1,259.04
08 33 23 13-0436 EA 16' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,795.15	1,288.12
08 33 23 13-0437 EA 16' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,559.74	1,317.20
08 33 23 13-0438 EA 16' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,860.14	1,346.29
08 33 23 13-0439 EA 16' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,159.23	1,375.36
08 33 23 13-0440 EA 16' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,499.60	1,425.09
08 33 23 13-0441 EA 16' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,814.62	1,462.15
08 33 23 13-0442 EA 16' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,131.58	1,500.16
08 33 23 13-0443 EA 16' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,606.12	1,539.17
<b>08 33 23 13-0444</b> <b>17' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>		
08 33 23 13-0445 EA 17' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,815.17	1,228.50
08 33 23 13-0446 EA 17' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,184.57	1,258.25
08 33 23 13-0447 EA 17' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,484.99	1,288.00
08 33 23 13-0448 EA 17' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,785.41	1,317.75
08 33 23 13-0449 EA 17' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,551.34	1,347.50
08 33 23 13-0450 EA 17' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,007.37	1,377.25
08 33 23 13-0451 EA 17' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,307.80	1,407.00
08 33 23 13-0452 EA 17' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,806.08	1,457.88
08 33 23 13-0453 EA 17' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,122.81	1,495.77
08 33 23 13-0454 EA 17' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,597.12	1,534.67
08 33 23 13-0455 EA 17' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,073.45	1,574.58
<b>08 33 23 13-0456</b> <b>18' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>		
08 33 23 13-0457 EA 18' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,181.59	1,256.76
08 33 23 13-0458 EA 18' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,552.36	1,287.19
08 33 23 13-0459 EA 18' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,319.65	1,317.63
08 33 23 13-0460 EA 18' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,777.05	1,348.05
08 33 23 13-0461 EA 18' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,544.36	1,378.49
08 33 23 13-0462 EA 18' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,001.75	1,408.92
08 33 23 13-0463 EA 18' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,614.76	1,439.37
08 33 23 13-0464 EA 18' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,114.06	1,491.40
08 33 23 13-0465 EA 18' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,588.14	1,530.18
08 33 23 13-0466 EA 18' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,064.24	1,569.97
08 33 23 13-0467 EA 18' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,542.41	1,610.78
<b>08 33 23 13-0468</b> <b>19' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>		
08 33 23 13-0469 EA 19' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,859.20	1,285.65
08 33 23 13-0470 EA 19' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,386.98	1,316.80
08 33 23 13-0471 EA 19' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,311.28	1,347.93
08 33 23 13-0472 EA 19' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,770.08	1,379.07
08 33 23 13-0473 EA 19' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,694.39	1,410.20
08 33 23 13-0474 EA 19' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,153.20	1,441.33
08 33 23 13-0475 EA 19' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,766.29	1,472.47
08 33 23 13-0476 EA 19' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,269.29	1,525.71
08 33 23 13-0477 EA 19' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,899.46	1,565.37
08 33 23 13-0478 EA 19' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,377.37	1,606.08
08 33 23 13-0479 EA 19' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,013.03	1,647.84
<b>08 33 23 13-0480</b> <b>20' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>		
08 33 23 13-0481 EA 20' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,849.36	1,315.23
08 33 23 13-0482 EA 20' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,378.58	1,347.08
08 33 23 13-0483 EA 20' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,148.70	1,378.94
08 33 23 13-0484 EA 20' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,764.55	1,410.77
08 33 23 13-0485 EA 20' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,690.28	1,442.63
08 33 23 13-0486 EA 20' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,304.81	1,474.48
08 33 23 13-0487 EA 20' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,920.65	1,506.34
08 33 23 13-0488 EA 20' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,580.40	1,560.80
08 33 23 13-0489 EA 20' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,213.70	1,601.38
08 33 23 13-0490 EA 20' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,847.79	1,643.01
08 33 23 13-0491 EA 20' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,484.05	1,685.74
<b>08 33 23 13-0492</b> <b>21' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>		
08 33 23 13-0493 EA 21' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,065.48	1,345.48



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0494	EA		21' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	30,527.17	1,378.06
08 33 23 13-0495	EA		21' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	31,988.87	1,410.64
08 33 23 13-0496	EA		21' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	33,760.45	1,443.23
08 33 23 13-0497	EA		21' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	35,687.66	1,475.81
08 33 23 13-0498	EA		21' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	37,459.26	1,508.39
08 33 23 13-0499	EA		21' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	39,075.24	1,540.98
08 33 23 13-0500	EA		21' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	40,893.11	1,596.70
08 33 23 13-0501	EA		21' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	42,528.28	1,638.22
08 33 23 13-0502	EA		21' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	44,164.29	1,680.80
08 33 23 13-0503	EA		21' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	45,958.12	1,724.50
<b>08 33 23 13-0504</b>			<b>22' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>		
08 33 23 13-0505	EA		22' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	29,437.27	1,376.43
08 33 23 13-0506	EA		22' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	30,744.84	1,409.77
08 33 23 13-0507	EA		22' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	32,984.77	1,443.09
08 33 23 13-0508	EA		22' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	34,757.86	1,476.43
08 33 23 13-0509	EA		22' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	36,840.86	1,509.76
08 33 23 13-0510	EA		22' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	38,613.95	1,543.10
08 33 23 13-0511	EA		22' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	40,232.76	1,576.41
08 33 23 13-0512	EA		22' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	42,053.19	1,633.42
08 33 23 13-0513	EA		22' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	43,844.56	1,675.88
08 33 23 13-0514	EA		22' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	45,638.13	1,719.46
08 33 23 13-0515	EA		22' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	47,433.97	1,764.17
<b>08 33 23 13-0516</b>			<b>23' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>		
08 33 23 13-0517	EA		23' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	30,587.21	1,408.08
08 33 23 13-0518	EA		23' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	31,740.72	1,442.19
08 33 23 13-0519	EA		23' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	33,826.56	1,476.29
08 33 23 13-0520	EA		23' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	35,756.80	1,510.38
08 33 23 13-0521	EA		23' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	37,841.33	1,544.48
08 33 23 13-0522	EA		23' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	39,615.95	1,578.58
08 33 23 13-0523	EA		23' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	41,546.20	1,612.68
08 33 23 13-0524	EA		23' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	43,369.25	1,670.99
08 33 23 13-0525	EA		23' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	45,162.57	1,714.44
08 33 23 13-0526	EA		23' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	47,113.76	1,759.01
08 33 23 13-0527	EA		23' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	48,911.66	1,804.75
<b>08 33 23 13-0528</b>			<b>24' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>		
08 33 23 13-0529	EA		24' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	31,583.01	1,440.47
08 33 23 13-0530	EA		24' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	32,428.18	1,475.36
08 33 23 13-0531	EA		24' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	34,825.49	1,510.24
08 33 23 13-0532	EA		24' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	36,601.69	1,545.12
08 33 23 13-0533	EA		24' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	38,843.39	1,580.00
08 33 23 13-0534	EA		24' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	40,775.20	1,614.88
08 33 23 13-0535	EA		24' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	42,705.69	1,649.77
08 33 23 13-0536	EA		24' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	44,687.04	1,709.42
08 33 23 13-0537	EA		24' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	46,482.36	1,753.86
08 33 23 13-0538	EA		24' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	48,435.60	1,799.47
08 33 23 13-0539	EA		24' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	50,391.21	1,846.26
<b>08 33 23 13-0540</b>			<b>Rytec® Powerhouse™ Door Options</b> <small>(08 33 23 13-0334)</small>		
08 33 23 13-0541	EA		Up To 8' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,017.65	
08 33 23 13-0542	EA		9' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors .....	2,057.21	
08 33 23 13-0543	EA		10' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors .....	2,096.77	
08 33 23 13-0544	EA		11' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors .....	2,136.34	
08 33 23 13-0545	EA		12' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors .....	2,175.90	
08 33 23 13-0546	EA		13' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors .....	2,215.46	
08 33 23 13-0547	EA		14' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors .....	2,255.02	
08 33 23 13-0548	EA		15' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors .....	2,294.58	
08 33 23 13-0549	EA		16' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors .....	2,334.14	
08 33 23 13-0550	EA		17' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors .....	2,373.71	
08 33 23 13-0551	EA		18' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors .....	2,413.27	
08 33 23 13-0552	EA		19' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors .....	2,452.83	
08 33 23 13-0553	EA		20' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors .....	2,492.39	
08 33 23 13-0554	EA		21' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors .....	2,531.95	
08 33 23 13-0555	EA		22' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors .....	2,571.51	
08 33 23 13-0556	EA		23' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors .....	2,611.08	
08 33 23 13-0557	EA		24' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors .....	2,650.64	
08 33 23 13-0558	EA		11" x 20" Window For Rytec® Powerhouse™ High-Speed Rolling Doors.....	461.55	
08 33 23 13-0559	EA		208-230 Volt Application For Rytec® Powerhouse™ Door.....	1,134.10	
			Note: Includes System 4 Controller In NEMA 4 Enclosure		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 23 13-0560	<b>Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®)</b> <small>(08 33 23 13)</small>	
	Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weather seal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.	
08 33 23 13-0561	<b>Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®)</b> <small>(08 33 23 13-0560)</small>	
08 33 23 13-0562	<b>8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0561)</small>	
08 33 23 13-0563	EA 8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,929.89 1,307.68
08 33 23 13-0564	EA 8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,646.06 1,335.46
08 33 23 13-0565	EA 8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,362.22 1,363.26
08 33 23 13-0566	EA 8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,079.60 1,391.04
08 33 23 13-0567	EA 8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,795.76 1,418.83
08 33 23 13-0568	EA 8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,511.91 1,446.62
08 33 23 13-0569	EA 8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,548.02 1,474.40
08 33 23 13-0570	EA 8' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,261.48 1,503.89
08 33 23 13-0571	EA 8' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,975.73 1,533.97
08 33 23 13-0572	EA 8' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,691.18 1,564.65
08 33 23 13-0573	EA 8' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,407.84 1,595.94
08 33 23 13-0574	<b>9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0561)</small>	
08 33 23 13-0575	EA 9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,646.06 1,335.46
08 33 23 13-0576	EA 9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,362.22 1,363.26
08 33 23 13-0577	EA 9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,079.60 1,391.04
08 33 23 13-0578	EA 9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,795.76 1,418.83
08 33 23 13-0579	EA 9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,511.91 1,446.62
08 33 23 13-0580	EA 9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,228.08 1,474.40
08 33 23 13-0581	EA 9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,264.19 1,502.20
08 33 23 13-0582	EA 9' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,967.96 1,532.24
08 33 23 13-0583	EA 9' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,695.54 1,562.89
08 33 23 13-0584	EA 9' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,412.15 1,594.15
08 33 23 13-0585	EA 9' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,130.00 1,626.02
08 33 23 13-0586	<b>10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0561)</small>	
08 33 23 13-0587	EA 10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,362.22 1,363.26
08 33 23 13-0588	EA 10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,079.60 1,391.04
08 33 23 13-0589	EA 10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,795.76 1,418.83
08 33 23 13-0590	EA 10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,511.91 1,446.62
08 33 23 13-0591	EA 10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,228.08 1,474.40
08 33 23 13-0592	EA 10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,944.24 1,502.20
08 33 23 13-0593	EA 10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,980.35 1,529.98
08 33 23 13-0594	EA 10' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,696.21 1,560.58
08 33 23 13-0595	EA 10' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,412.72 1,591.79
08 33 23 13-0596	EA 10' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,130.49 1,623.64
08 33 23 13-0597	EA 10' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,849.53 1,656.09
08 33 23 13-0598	<b>11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0561)</small>	
08 33 23 13-0599	EA 11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,079.60 1,391.04
08 33 23 13-0600	EA 11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,795.76 1,418.83
08 33 23 13-0601	EA 11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,511.91 1,446.62
08 33 23 13-0602	EA 11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,228.08 1,474.40
08 33 23 13-0603	EA 11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,944.24 1,502.20
08 33 23 13-0604	EA 11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,660.40 1,529.98
08 33 23 13-0605	EA 11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,695.28 1,557.77
08 33 23 13-0606	EA 11' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,413.59 1,588.93
08 33 23 13-0607	EA 11' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,131.23 1,620.70
08 33 23 13-0608	EA 11' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,850.15 1,653.12
08 33 23 13-0609	EA 11' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,570.36 1,686.19
08 33 23 13-0610	<b>12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0561)</small>	
08 33 23 13-0611	EA 12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,795.76 1,418.83
08 33 23 13-0612	EA 12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,511.91 1,446.62
08 33 23 13-0613	EA 12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,228.08 1,474.40
08 33 23 13-0614	EA 12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,944.24 1,502.20
08 33 23 13-0615	EA 12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,660.40 1,529.98
08 33 23 13-0616	EA 12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,376.56 1,557.77
08 33 23 13-0617	EA 12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,412.67 1,585.56
08 33 23 13-0618	EA 12' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,130.96 1,617.27
08 33 23 13-0619	EA 12' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,849.73 1,649.62



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0620	EA		12' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,569.81	1,682.61
08 33 23 13-0621	EA		12' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,292.53	1,716.26
<b>08 33 23 13-0622</b>			<b>13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0661)</small>		
08 33 23 13-0623	EA		13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,511.91	1,446.62
08 33 23 13-0624	EA		13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,228.08	1,474.40
08 33 23 13-0625	EA		13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,944.24	1,502.20
08 33 23 13-0626	EA		13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,660.40	1,529.98
08 33 23 13-0627	EA		13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,376.56	1,557.77
08 33 23 13-0628	EA		13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,092.72	1,585.56
08 33 23 13-0629	EA		13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,128.83	1,613.34
08 33 23 13-0630	EA		13' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,848.33	1,645.61
08 33 23 13-0631	EA		13' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,568.23	1,678.52
08 33 23 13-0632	EA		13' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,289.47	1,712.10
08 33 23 13-0633	EA		13' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,012.04	1,746.34
<b>08 33 23 13-0634</b>			<b>14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0661)</small>		
08 33 23 13-0635	EA		14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,548.02	1,474.40
08 33 23 13-0636	EA		14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,264.19	1,502.20
08 33 23 13-0637	EA		14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,980.35	1,529.98
08 33 23 13-0638	EA		14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,695.28	1,557.77
08 33 23 13-0639	EA		14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,412.67	1,585.56
08 33 23 13-0640	EA		14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,128.83	1,613.34
08 33 23 13-0641	EA		14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,838.88	1,641.14
08 33 23 13-0642	EA		14' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,559.11	1,673.96
08 33 23 13-0643	EA		14' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,280.14	1,707.44
08 33 23 13-0644	EA		14' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,002.53	1,741.59
08 33 23 13-0645	EA		14' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,726.29	1,776.41
<b>08 33 23 13-0646</b>			<b>15' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0661)</small>		
08 33 23 13-0647	EA		15' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,261.48	1,503.89
08 33 23 13-0648	EA		15' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,980.17	1,532.24
08 33 23 13-0649	EA		15' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,696.21	1,560.58
08 33 23 13-0650	EA		15' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,413.59	1,588.93
08 33 23 13-0651	EA		15' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,130.96	1,617.27
08 33 23 13-0652	EA		15' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,848.33	1,645.61
08 33 23 13-0653	EA		15' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,559.11	1,673.96
08 33 23 13-0654	EA		15' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,280.14	1,707.44
08 33 23 13-0655	EA		15' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,002.53	1,741.59
08 33 23 13-0656	EA		15' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,726.29	1,776.41
08 33 23 13-0657	EA		15' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,451.43	1,811.95
<b>08 33 23 13-0658</b>			<b>16' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0661)</small>		
08 33 23 13-0659	EA		16' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,975.73	1,533.97
08 33 23 13-0660	EA		16' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,695.54	1,562.89
08 33 23 13-0661	EA		16' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,412.72	1,591.79
08 33 23 13-0662	EA		16' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,131.23	1,620.70
08 33 23 13-0663	EA		16' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,849.73	1,649.62
08 33 23 13-0664	EA		16' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,568.23	1,678.52
08 33 23 13-0665	EA		16' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,280.14	1,707.44
08 33 23 13-0666	EA		16' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,002.53	1,741.59
08 33 23 13-0667	EA		16' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,726.29	1,776.41
08 33 23 13-0668	EA		16' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,451.43	1,811.95
08 33 23 13-0669	EA		16' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,179.31	1,848.19
<b>08 33 23 13-0670</b>			<b>17' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0661)</small>		
08 33 23 13-0671	EA		17' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,691.18	1,564.65
08 33 23 13-0672	EA		17' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,412.15	1,594.15
08 33 23 13-0673	EA		17' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,130.49	1,623.64
08 33 23 13-0674	EA		17' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,850.15	1,653.12
08 33 23 13-0675	EA		17' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,569.81	1,682.61
08 33 23 13-0676	EA		17' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,289.47	1,712.10
08 33 23 13-0677	EA		17' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,002.53	1,741.59
08 33 23 13-0678	EA		17' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,726.29	1,776.41
08 33 23 13-0679	EA		17' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,451.43	1,811.95
08 33 23 13-0680	EA		17' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,179.31	1,848.19
08 33 23 13-0681	EA		17' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,907.33	1,885.15





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 33 23 13-0682</b>				<b>18' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0681)</small>		
08 33 23 13-0683	EA			18' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	33,554.22	1,595.94
08 33 23 13-0684	EA			18' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,275.06	1,626.02
08 33 23 13-0685	EA			18' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,995.91	1,656.09
08 33 23 13-0686	EA			18' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,715.42	1,686.19
08 33 23 13-0687	EA			18' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,437.59	1,716.26
08 33 23 13-0688	EA			18' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,157.10	1,746.34
08 33 23 13-0689	EA			18' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,872.67	1,776.41
08 33 23 13-0690	EA			18' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,597.81	1,811.95
08 33 23 13-0691	EA			18' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,324.37	1,848.19
08 33 23 13-0692	EA			18' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,052.39	1,885.15
08 33 23 13-0693	EA			18' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,781.88	1,922.86
<b>08 33 23 13-0694</b>				<b>19' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0691)</small>		
08 33 23 13-0695	EA			19' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,489.74	1,627.87
08 33 23 13-0696	EA			19' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,213.10	1,658.55
08 33 23 13-0697	EA			19' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,933.83	1,689.23
08 33 23 13-0698	EA			19' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,655.87	1,719.90
08 33 23 13-0699	EA			19' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,377.92	1,750.59
08 33 23 13-0700	EA			19' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,099.94	1,781.27
08 33 23 13-0701	EA			19' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,815.39	1,811.95
08 33 23 13-0702	EA			19' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,541.96	1,848.19
08 33 23 13-0703	EA			19' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,269.98	1,885.15
08 33 23 13-0704	EA			19' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,999.47	1,922.86
08 33 23 13-0705	EA			19' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,731.79	1,961.31
<b>08 33 23 13-0706</b>				<b>20' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0691)</small>		
08 33 23 13-0707	EA			20' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,645.02	1,660.75
08 33 23 13-0708	EA			20' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,370.21	1,691.26
08 33 23 13-0709	EA			20' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,091.69	1,722.87
08 33 23 13-0710	EA			20' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,815.58	1,754.47
08 33 23 13-0711	EA			20' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,538.37	1,786.07
08 33 23 13-0712	EA			20' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,261.16	1,816.59
08 33 23 13-0713	EA			20' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,978.46	1,848.19
08 33 23 13-0714	EA			20' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,706.65	1,885.23
08 33 23 13-0715	EA			20' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,435.93	1,923.38
08 33 23 13-0716	EA			20' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,167.39	1,961.52
08 33 23 13-0717	EA			20' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,899.93	2,000.75
<b>08 33 23 13-0718</b>				<b>Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0560)</small>		
<b>08 33 23 13-0719</b>				<b>8' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0718)</small>		
08 33 23 13-0720	EA			8' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	24,860.34	871.78
08 33 23 13-0721	EA			8' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,406.56	890.31
08 33 23 13-0722	EA			8' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,952.79	908.83
08 33 23 13-0723	EA			8' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	26,496.58	927.36
08 33 23 13-0724	EA			8' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	27,042.80	945.88
08 33 23 13-0725	EA			8' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	27,589.03	964.41
08 33 23 13-0726	EA			8' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	33,224.56	982.93
<b>08 33 23 13-0727</b>				<b>9' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0718)</small>		
08 33 23 13-0728	EA			9' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,406.56	890.31
08 33 23 13-0729	EA			9' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,952.79	908.83
08 33 23 13-0730	EA			9' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	26,496.58	927.36
08 33 23 13-0731	EA			9' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	27,042.80	945.88
08 33 23 13-0732	EA			9' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	27,589.03	964.41
08 33 23 13-0733	EA			9' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	28,135.25	982.93
08 33 23 13-0734	EA			9' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	33,770.78	1,001.47
<b>08 33 23 13-0735</b>				<b>10' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0718)</small>		
08 33 23 13-0736	EA			10' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,952.79	908.83
08 33 23 13-0737	EA			10' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	26,496.58	927.36
08 33 23 13-0738	EA			10' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	27,042.80	945.88
08 33 23 13-0739	EA			10' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	27,589.03	964.41
08 33 23 13-0740	EA			10' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	28,135.25	982.93
08 33 23 13-0741	EA			10' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	28,681.48	1,001.47



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0742	EA		10' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	34,316.99	1,019.99
<b>08 33 23 13-0743</b>			<b>11' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)</b>		
08 33 23 13-0744	EA		11' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	26,496.58	927.36
08 33 23 13-0745	EA		11' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	27,042.80	945.88
08 33 23 13-0746	EA		11' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	27,589.03	964.41
08 33 23 13-0747	EA		11' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	28,135.25	982.93
08 33 23 13-0748	EA		11' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	28,681.48	1,001.47
08 33 23 13-0749	EA		11' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	29,227.69	1,019.99
08 33 23 13-0750	EA		11' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	34,860.78	1,038.52
<b>08 33 23 13-0751</b>			<b>12' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)</b>		
08 33 23 13-0752	EA		12' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	27,042.80	945.88
08 33 23 13-0753	EA		12' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	27,589.03	964.41
08 33 23 13-0754	EA		12' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	28,135.25	982.93
08 33 23 13-0755	EA		12' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	28,681.48	1,001.47
08 33 23 13-0756	EA		12' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	29,227.69	1,019.99
08 33 23 13-0757	EA		12' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	29,773.92	1,038.52
08 33 23 13-0758	EA		12' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	35,407.01	1,057.04
<b>08 33 23 13-0759</b>			<b>13' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)</b>		
08 33 23 13-0760	EA		13' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	27,589.03	964.41
08 33 23 13-0761	EA		13' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	28,135.25	982.93
08 33 23 13-0762	EA		13' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	28,681.48	1,001.47
08 33 23 13-0763	EA		13' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	29,227.69	1,019.99
08 33 23 13-0764	EA		13' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	29,773.92	1,038.52
08 33 23 13-0765	EA		13' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	30,320.15	1,057.04
08 33 23 13-0766	EA		13' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	35,953.24	1,075.57
<b>08 33 23 13-0767</b>			<b>14' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)</b>		
08 33 23 13-0768	EA		14' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	33,224.56	982.93
08 33 23 13-0769	EA		14' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	33,770.78	1,001.47
08 33 23 13-0770	EA		14' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	34,316.99	1,019.99
08 33 23 13-0771	EA		14' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	34,860.78	1,038.52
08 33 23 13-0772	EA		14' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	35,407.01	1,057.04
08 33 23 13-0773	EA		14' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	35,953.24	1,075.57
08 33 23 13-0774	EA		14' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	36,499.46	1,094.09
<b>08 33 23 13-0775</b>			<b>Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0560)</b>		
<b>08 33 23 13-0776</b>			<b>8' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
08 33 23 13-0777	EA		8' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	23,115.47	871.78
08 33 23 13-0778	EA		8' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	23,661.69	890.31
08 33 23 13-0779	EA		8' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	24,207.92	908.83
08 33 23 13-0780	EA		8' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	24,752.93	927.36
08 33 23 13-0781	EA		8' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	25,299.16	945.88
08 33 23 13-0782	EA		8' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	25,834.35	959.51
08 33 23 13-0783	EA		8' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	29,528.04	964.41
<b>08 33 23 13-0784</b>			<b>9' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
08 33 23 13-0785	EA		9' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	23,661.69	890.31
08 33 23 13-0786	EA		9' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	24,207.92	908.83
08 33 23 13-0787	EA		9' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	24,752.93	927.36
08 33 23 13-0788	EA		9' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	25,299.16	945.88
08 33 23 13-0789	EA		9' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	25,844.16	964.41
08 33 23 13-0790	EA		9' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	26,376.21	975.85
08 33 23 13-0791	EA		9' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	28,245.15	982.93
<b>08 33 23 13-0792</b>			<b>10' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
08 33 23 13-0793	EA		10' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	24,207.92	908.83
08 33 23 13-0794	EA		10' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	24,752.93	927.36
08 33 23 13-0795	EA		10' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	25,299.16	945.88
08 33 23 13-0796	EA		10' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	25,844.16	964.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0797 EA 10' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,390.38	982.93
08 33 23 13-0798 EA 10' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,926.80	996.56
08 33 23 13-0799 EA 10' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	28,942.78	1,001.47
<b>08 33 23 13-0800 11' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
08 33 23 13-0801 EA 11' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,752.93	927.36
08 33 23 13-0802 EA 11' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,299.16	945.88
08 33 23 13-0803 EA 11' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,844.16	964.41
08 33 23 13-0804 EA 11' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,390.38	982.93
08 33 23 13-0805 EA 11' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,936.61	1,001.47
08 33 23 13-0806 EA 11' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,473.02	1,015.08
08 33 23 13-0807 EA 11' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	29,640.40	1,019.99
<b>08 33 23 13-0808 12' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
08 33 23 13-0809 EA 12' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,299.16	945.88
08 33 23 13-0810 EA 12' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,844.16	964.41
08 33 23 13-0811 EA 12' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,390.38	982.93
08 33 23 13-0812 EA 12' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,936.61	1,001.47
08 33 23 13-0813 EA 12' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,482.82	1,019.99
08 33 23 13-0814 EA 12' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	28,017.07	1,032.52
08 33 23 13-0815 EA 12' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	30,338.04	1,038.52
<b>08 33 23 13-0816 13' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
08 33 23 13-0817 EA 13' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,844.16	964.41
08 33 23 13-0818 EA 13' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,390.38	982.93
08 33 23 13-0819 EA 13' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,936.61	1,001.47
08 33 23 13-0820 EA 13' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,482.82	1,019.99
08 33 23 13-0821 EA 13' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	28,029.05	1,038.52
08 33 23 13-0822 EA 13' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	28,564.38	1,051.59
08 33 23 13-0823 EA 13' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	31,035.68	1,057.04
<b>08 33 23 13-0824 14' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
08 33 23 13-0825 EA 14' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	29,565.09	982.93
08 33 23 13-0826 EA 14' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	30,262.73	1,001.47
08 33 23 13-0827 EA 14' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	30,960.35	1,019.99
08 33 23 13-0828 EA 14' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	31,656.76	1,038.52
08 33 23 13-0829 EA 14' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	32,353.17	1,057.04
08 33 23 13-0830 EA 14' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	33,049.58	1,070.86
08 33 23 13-0831 EA 14' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	33,745.99	1,075.57
<b>08 33 23 13-0832 Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0560)</b>		
<b>08 33 23 13-0833 8' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>		
08 33 23 13-0834 EA 8' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	30,868.94	871.78
08 33 23 13-0835 EA 8' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,561.39	890.31
08 33 23 13-0836 EA 8' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,252.53	908.83
08 33 23 13-0837 EA 8' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,006.33	927.36
08 33 23 13-0838 EA 8' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,361.44	945.88
08 33 23 13-0839 EA 8' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,416.54	964.41
08 33 23 13-0840 EA 8' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,471.65	982.93
<b>08 33 23 13-0841 9' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>		
08 33 23 13-0842 EA 9' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,561.39	890.31
08 33 23 13-0843 EA 9' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,252.53	908.83
08 33 23 13-0844 EA 9' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,943.68	927.36
08 33 23 13-0845 EA 9' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,998.79	945.88
08 33 23 13-0846 EA 9' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,052.57	964.41
08 33 23 13-0847 EA 9' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,107.68	982.93
08 33 23 13-0848 EA 9' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,169.38	1,001.47
<b>08 33 23 13-0849 10' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>		
08 33 23 13-0850 EA 10' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,252.53	908.83
08 33 23 13-0851 EA 10' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,943.68	927.36



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0852	EA		10' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,634.82	945.88
08 33 23 13-0853	EA		10' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,689.92	964.41
08 33 23 13-0854	EA		10' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,743.71	982.93
08 33 23 13-0855	EA		10' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,798.82	1,001.47
08 33 23 13-0856	EA		10' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,867.10	1,019.99
<b>08 33 23 13-0857</b>			<b>11' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>		
08 33 23 13-0858	EA		11' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,943.68	927.36
08 33 23 13-0859	EA		11' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,634.82	945.88
08 33 23 13-0860	EA		11' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,325.96	964.41
08 33 23 13-0861	EA		11' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,381.06	982.93
08 33 23 13-0862	EA		11' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,436.17	1,001.47
08 33 23 13-0863	EA		11' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,489.95	1,019.99
08 33 23 13-0864	EA		11' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	38,563.51	1,038.52
<b>08 33 23 13-0865</b>			<b>12' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>		
08 33 23 13-0866	EA		12' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,634.82	945.88
08 33 23 13-0867	EA		12' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,325.96	964.41
08 33 23 13-0868	EA		12' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,017.09	982.93
08 33 23 13-0869	EA		12' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,072.20	1,001.47
08 33 23 13-0870	EA		12' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,127.30	1,019.99
08 33 23 13-0871	EA		12' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	38,181.08	1,038.52
08 33 23 13-0872	EA		12' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	39,262.57	1,057.04
<b>08 33 23 13-0873</b>			<b>13' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>		
08 33 23 13-0874	EA		13' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,325.96	964.41
08 33 23 13-0875	EA		13' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,017.09	982.93
08 33 23 13-0876	EA		13' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,708.23	1,001.47
08 33 23 13-0877	EA		13' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,763.33	1,019.99
08 33 23 13-0878	EA		13' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,818.43	1,038.52
08 33 23 13-0879	EA		13' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	38,873.55	1,057.04
08 33 23 13-0880	EA		13' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	39,960.30	1,075.57
<b>08 33 23 13-0881</b>			<b>14' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>		
08 33 23 13-0882	EA		14' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,017.09	982.93
08 33 23 13-0883	EA		14' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,708.23	1,001.47
08 33 23 13-0884	EA		14' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,399.36	1,019.99
08 33 23 13-0885	EA		14' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,454.47	1,038.52
08 33 23 13-0886	EA		14' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	38,509.58	1,057.04
08 33 23 13-0887	EA		14' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	39,564.69	1,075.57
08 33 23 13-0888	EA		14' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	40,651.44	1,094.09
<b>08 33 23 13-0889</b>			<b>Rytec® Spiral® Door Options (08 33 23 13-0560)</b>		
08 33 23 13-0890	EA		Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	396.84	
			Note: Per door price.		
08 33 23 13-0891	EA		Up To 13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	268.63	
			Note: Maximum of 4 per door.		
08 33 23 13-0892	EA		>13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	396.84	
			Note: Maximum of 4 per door.		
08 33 23 13-0893	EA		Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	268.63	
			Note: Maximum of 4 per door.		
08 33 23 13-0894	EA		>13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	396.84	
			Note: Maximum of 4 per door.		
08 33 23 13-0895	EA		Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors.....	768.33	54.48
08 33 23 13-0896	EA		Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	2,196.04	108.97
08 33 23 13-0897	EA		>13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	3,911.60	108.97
08 33 23 13-0898	EA		>16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	4,442.76	108.97
08 33 23 13-0899	EA		Through Wall Brake Release For Rytec® Spiral® High-Speed Rolling Doors.....	461.55	
<b>08 33 23 13-0900</b>			<b>Activation And Control Box Options For High Speed Doors (08 33 23 13)</b>		
08 33 23 13-0901	EA		Pull Cord For High-Speed Rolling Doors.....	206.65	54.48
08 33 23 13-0902	EA		Emergency Stop, Pushbutton Control For High-Speed Rolling Doors.....	152.16	27.24
08 33 23 13-0903	EA		NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors.....	188.79	27.24
08 33 23 13-0904	EA		On/Off Selector Switch, Remote Control For High-Speed Rolling Doors.....	133.85	27.24
08 33 23 13-0905	EA		On/Off Key Switch, Remote Control For High-Speed Rolling Doors.....	201.00	27.24
08 33 23 13-0906	EA		Keyed Remote Single Pushbutton Control For High-Speed Rolling Doors.....	323.11	27.24
08 33 23 13-0907	EA		Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors.....	353.64	27.24
08 33 23 13-0908	EA		Radio Control For High-Speed Rolling Doors.....	560.30	49.04
			Note: Includes one receiver and two transmitters.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0909 EA Floor Loop For High-Speed Rolling Doors.....	778.25	
Note: Excludes sealant.		
08 33 23 13-0910 EA Reflective Type Photo Eye For High-Speed Rolling Doors.....	486.68	49.04
08 33 23 13-0911 EA Thru-Beam Type Photo Eye For High-Speed Rolling Doors.....	627.46	49.04
08 33 23 13-0912 EA Motion Detector For High-Speed Rolling Doors.....	529.38	32.69
08 33 23 13-0913 EA Remote Warning Horn For High-Speed Rolling Doors .....	377.60	54.48
Note: Includes wall box and mounting hardware.		
08 33 23 13-0914 EA Remote Strobe Light For High-Speed Rolling Doors .....	505.81	54.48
Note: Includes wall box and mounting hardware.		
08 33 23 13-0915 EA Remote Warning Horn And Strobe Light For High-Speed Rolling Doors.....	572.97	54.48
Note: Includes wall box and mounting hardware.		
08 33 23 13-0916 EA Red And Green Red Light For High-Speed Rolling Doors.....	707.28	54.48
Note: Includes mounting hardware.		
<b>08 33 26 Overhead Coiling Grilles (08 33)</b>		
Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0981 for forklift.		
<b>08 33 26 00-0001 Galvanized Steel Overhead Coiling Grilles (Width x Height) (08 33 26)</b>		
08 33 26 00-0002 EA 4' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	2,461.10	217.30
For Lexan Lattice Pattern, Add	276.11	
For Aluminum With Clear Or Anodized Bronze Finish, Add	195.77	
For Staggered Brick Pattern, Add	265.00	
08 33 26 00-0003 EA 6' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	2,789.54	217.30
For Lexan Lattice Pattern, Add	325.38	
For Aluminum With Clear Or Anodized Bronze Finish, Add	293.66	
For Staggered Brick Pattern, Add	358.90	
08 33 26 00-0004 EA 8' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	3,357.13	271.62
For Lexan Lattice Pattern, Add	387.05	
For Aluminum With Clear Or Anodized Bronze Finish, Add	391.54	
For Staggered Brick Pattern, Add	452.79	
08 33 26 00-0005 EA 12' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	3,830.80	271.62
For Lexan Lattice Pattern, Add	458.10	
For Aluminum With Clear Or Anodized Bronze Finish, Add	436.11	
For Staggered Brick Pattern, Add	640.57	
08 33 26 00-0006 EA 16' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	5,272.64	434.59
For Lexan Lattice Pattern, Add	604.34	
For Aluminum With Clear Or Anodized Bronze Finish, Add	783.08	
For Staggered Brick Pattern, Add	903.35	
08 33 26 00-0007 EA 20' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	6,552.95	543.24
For Lexan Lattice Pattern, Add	750.59	
For Aluminum With Clear Or Anodized Bronze Finish, Add	978.85	
For Staggered Brick Pattern, Add	1,166.12	
08 33 26 00-0008 EA 24' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	8,260.63	651.88
For Lexan Lattice Pattern, Add	959.94	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,174.62	
For Staggered Brick Pattern, Add	1,311.74	
08 33 26 00-0009 EA 30' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	10,071.25	796.75
For Lexan Lattice Pattern, Add	1,170.31	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,360.48	
For Staggered Brick Pattern, Add	1,430.63	
08 33 26 00-0010 EA 4' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	2,699.16	217.30
For Lexan Lattice Pattern, Add	311.82	
For Aluminum With Clear Or Anodized Bronze Finish, Add	244.71	
For Staggered Brick Pattern, Add	314.83	
08 33 26 00-0011 EA 6' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	3,134.45	217.30
For Lexan Lattice Pattern, Add	377.12	
For Aluminum With Clear Or Anodized Bronze Finish, Add	367.06	
For Staggered Brick Pattern, Add	447.08	
08 33 26 00-0012 EA 8' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	3,739.53	271.62
For Lexan Lattice Pattern, Add	444.75	
For Aluminum With Clear Or Anodized Bronze Finish, Add	489.43	
For Staggered Brick Pattern, Add	579.32	
08 33 26 00-0013 EA 12' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	4,332.74	271.62
For Lexan Lattice Pattern, Add	533.73	
For Aluminum With Clear Or Anodized Bronze Finish, Add	734.14	
For Staggered Brick Pattern, Add	843.82	
08 33 26 00-0014 EA 16' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	5,931.94	434.59
For Lexan Lattice Pattern, Add	703.24	
For Aluminum With Clear Or Anodized Bronze Finish, Add	978.85	
For Staggered Brick Pattern, Add	1,163.51	
08 33 26 00-0015 EA 20' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	7,367.28	543.24
For Lexan Lattice Pattern, Add	872.74	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,223.56	
For Staggered Brick Pattern, Add	1,483.19	
08 33 26 00-0016 EA 24' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	9,244.52	651.88
For Lexan Lattice Pattern, Add	1,107.52	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,468.46	
For Staggered Brick Pattern, Add	1,717.65	
08 33 26 00-0017 EA 30' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	11,590.48	796.75
For Lexan Lattice Pattern, Add	1,398.20	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,719.35	
For Staggered Brick Pattern, Add	1,924.15	

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0018	EA		4' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	2,971.77	217.30
			<i>For Lexan Lattice Pattern, Add</i>	352.71	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	293.66	
			<i>For Staggered Brick Pattern, Add</i>	363.93	
08 33 26 00-0019	EA		6' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,050.68	217.30
			<i>For Lexan Lattice Pattern, Add</i>	364.55	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	440.48	
			<i>For Staggered Brick Pattern, Add</i>	533.78	
08 33 26 00-0020	EA		8' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,715.49	271.62
			<i>For Lexan Lattice Pattern, Add</i>	440.80	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	587.30	
			<i>For Staggered Brick Pattern, Add</i>	703.62	
08 33 26 00-0021	EA		12' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	4,901.71	271.62
			<i>For Lexan Lattice Pattern, Add</i>	618.73	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	880.93	
			<i>For Staggered Brick Pattern, Add</i>	1,043.32	
08 33 26 00-0022	EA		16' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	6,863.94	434.59
			<i>For Lexan Lattice Pattern, Add</i>	843.04	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,174.61	
			<i>For Staggered Brick Pattern, Add</i>	1,450.52	
08 33 26 00-0023	EA		20' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	8,664.64	543.24
			<i>For Lexan Lattice Pattern, Add</i>	1,067.34	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,468.27	
			<i>For Staggered Brick Pattern, Add</i>	1,857.71	
08 33 26 00-0024	EA		24' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	10,505.32	651.88
			<i>For Lexan Lattice Pattern, Add</i>	1,296.64	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,761.93	
			<i>For Staggered Brick Pattern, Add</i>	1,964.27	
08 33 26 00-0025	EA		30' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	13,091.49	796.75
			<i>For Lexan Lattice Pattern, Add</i>	1,623.35	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	2,041.81	
			<i>For Staggered Brick Pattern, Add</i>	2,140.09	
08 33 26 00-0026	EA		4' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,459.36	217.30
			<i>For Lexan Lattice Pattern, Add</i>	425.85	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	342.47	
			<i>For Staggered Brick Pattern, Add</i>	673.13	
08 33 26 00-0027	EA		6' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,991.72	217.30
			<i>For Lexan Lattice Pattern, Add</i>	505.71	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	513.81	
			<i>For Staggered Brick Pattern, Add</i>	826.52	
08 33 26 00-0028	EA		8' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	4,684.09	271.62
			<i>For Lexan Lattice Pattern, Add</i>	586.44	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	685.13	
			<i>For Staggered Brick Pattern, Add</i>	962.42	
08 33 26 00-0029	EA		12' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	5,802.40	271.62
			<i>For Lexan Lattice Pattern, Add</i>	754.18	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,027.79	
			<i>For Staggered Brick Pattern, Add</i>	1,220.42	
08 33 26 00-0030	EA		16' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	7,793.83	434.59
			<i>For Lexan Lattice Pattern, Add</i>	982.52	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,370.39	
			<i>For Staggered Brick Pattern, Add</i>	1,632.70	
08 33 26 00-0031	EA		20' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	9,621.42	543.24
			<i>For Lexan Lattice Pattern, Add</i>	1,210.86	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,712.98	
			<i>For Staggered Brick Pattern, Add</i>	2,044.98	
08 33 26 00-0032	EA		24' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	11,498.70	651.88
			<i>For Lexan Lattice Pattern, Add</i>	1,445.65	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	2,055.58	
			<i>For Staggered Brick Pattern, Add</i>	2,319.23	
08 33 26 00-0033	EA		30' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	14,709.82	796.75
			<i>For Lexan Lattice Pattern, Add</i>	1,866.10	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	2,426.63	
			<i>For Staggered Brick Pattern, Add</i>	2,649.83	
08 33 26 00-0034			<b>Coiling Grilles Accessories</b> <small>(08 33 26)</small>		
08 33 26 00-0035	LF		For Overhead Framed Rolling Grille Supports.....	113.67	
<b>08 33 36</b>			<b>Side Coiling Grilles</b> <small>(08 33)</small>		
08 33 36 00-0001			<b>Galvanized Steel Side Coiling Grilles (Width x Height)</b> <small>(08 33 36)</small>		
08 33 36 00-0002	EA		12' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated.....	4,187.43	607.60
			<i>For Lexan Lattice Pattern, Add</i>	367.69	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	587.31	
			<i>For Staggered Brick Pattern, Add</i>	640.57	
08 33 36 00-0003	EA		18' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated.....	5,829.18	780.50
			<i>For Lexan Lattice Pattern, Add</i>	539.87	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	900.88	
			<i>For Staggered Brick Pattern, Add</i>	1,025.98	
08 33 36 00-0004	EA		24' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated.....	7,539.02	984.14
			<i>For Lexan Lattice Pattern, Add</i>	709.08	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,174.62	
			<i>For Staggered Brick Pattern, Add</i>	1,311.74	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 36 00-0005	EA		30' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,014.50 886.36 1,360.48 1,430.63	1,086.48
08 33 36 00-0006	EA		12' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,041.17 459.29 734.14 843.82	692.76
08 33 36 00-0007	EA		18' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,045.22 675.24 1,081.20 1,281.32	889.77
08 33 36 00-0008	EA		24' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,007.11 870.24 1,468.46 1,717.65	1,121.55
08 33 36 00-0009	EA		30' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	10,937.50 1,107.62 1,719.35 1,924.15	1,238.58
08 33 36 00-0010	EA		12' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,905.46 551.31 880.93 1,043.32	780.50
08 33 36 00-0011	EA		18' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,267.62 809.00 1,300.71 1,590.79	1,002.46
08 33 36 00-0012	EA		24' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	10,683.69 1,063.63 1,761.93 1,964.27	1,263.94
08 33 36 00-0013	EA		30' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	12,849.45 1,329.53 2,041.81 2,140.09	1,394.31
08 33 36 00-0014	EA		12' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	6,761.15 644.62 1,027.79 1,220.42	862.97
08 33 36 00-0015	EA		18' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,489.45 944.37 1,486.55 1,767.48	1,108.21
08 33 36 00-0016	EA		24' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	12,252.42 1,240.90 2,055.58 2,319.23	1,397.21
08 33 36 00-0017	EA		30' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	14,742.34 1,550.32 2,426.63 2,649.83	1,542.79

**08 33 43 Overhead Coiling Smoke Curtains (08 33)**

**08 33 43 00-0001 Elevator Smoke Guard (08 33 43)**

08 33 43 00-0002	EA	Elevator Smoke Guard, 55" Width Housing (Smoke Guard 400).....	14,532.90	607.60
08 33 43 00-0003	EA	Elevator Smoke Guard, 64" Width Housing (Smoke Guard 400).....	15,074.62	607.60
08 33 43 00-0004	EA	Elevator Smoke Guard, 73" Width Housing (Smoke Guard 400).....	15,616.35	607.60

**08 34 Special Function Doors (08 30)**

**08 34 23 Sidewalk and Basement Doors (08 34)**

**08 34 23 00-0001 Drainage Doors (08 34 23)**

**08 34 23 00-0002 Single Leaf Aluminum Drainage Doors (08 34 23 00-0001)**

Note: Bilco - J Series.

08 34 23 00-0003	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door .....	1,172.38	194.08
08 34 23 00-0004	EA	2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,437.31	202.80
08 34 23 00-0005	EA	3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,525.29	207.16
08 34 23 00-0006	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,679.98	211.51
08 34 23 00-0007	EA	3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,955.55	222.41
08 34 23 00-0008	EA	2' 6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,992.38	217.29
08 34 23 00-0009	EA	3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,214.79	222.41
08 34 23 00-0010	EA	2' 6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,311.32	227.54
08 34 23 00-0011	EA	3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,533.76	232.66
08 34 23 00-0012	EA	3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,938.53	245.73

**08 34 23 00-0013 Double Leaf Aluminum Drainage Doors (08 34 23 00-0001)**

Note: Bilco - JD Series.

08 34 23 00-0014	EA	4' x 2' 6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door .....	2,362.72	217.29
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0015	EA		4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,481.91	232.66
08 34 23 00-0016	EA		4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	3,143.32	258.82
08 34 23 00-0017	EA		5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	3,232.20	258.82
<b>08 34 23 00-0018</b>			<b>Single Leaf Aluminum H2O Drainage Doors</b> (08 34 23 00-0001) Note: Bilco - J H2O Series.		
08 34 23 00-0019	EA		2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	1,861.21	194.08
08 34 23 00-0020	EA		2' 6" x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,170.59	202.80
08 34 23 00-0021	EA		3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,362.31	207.16
08 34 23 00-0022	EA		3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,672.53	211.51
08 34 23 00-0023	EA		3' 6" x 3' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	3,088.84	222.41
<b>08 34 23 00-0024</b>			<b>Double Leaf Aluminum H2O Drainage Doors</b> (08 34 23 00-0001) Note: Bilco - JD H2O Series.		
08 34 23 00-0025	EA		4' x 2' 6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	3,088.60	217.29
08 34 23 00-0026	EA		4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	4,126.23	232.66
08 34 23 00-0027	EA		4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	5,861.63	258.82
08 34 23 00-0028	EA		5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	5,520.92	258.82
<b>08 34 23 00-0029</b>			<b>Single Leaf Steel Drainage Doors</b> (08 34 23 00-0001) Note: Bilco - J Series.		
08 34 23 00-0030	EA		2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door.....	1,610.98	194.08
08 34 23 00-0031	EA		2' 6" x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	1,692.52	202.80
08 34 23 00-0032	EA		3' x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	1,884.81	207.16
08 34 23 00-0033	EA		3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,086.92	211.51
08 34 23 00-0034	EA		3' 6" x 3' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,425.92	222.41
08 34 23 00-0035	EA		2' 6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,310.75	217.29
08 34 23 00-0036	EA		3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,631.26	222.41
08 34 23 00-0037	EA		2' 6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,619.35	227.54
08 34 23 00-0038	EA		3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,920.33	232.66
08 34 23 00-0039	EA		3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	3,115.94	245.73
<b>08 34 23 00-0040</b>			<b>Double Leaf Steel Drainage Doors</b> (08 34 23 00-0001) Note: Bilco - JD Series.		
08 34 23 00-0041	EA		4' x 2' 6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,838.76	217.29
08 34 23 00-0042	EA		4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,979.00	232.66
08 34 23 00-0043	EA		4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	3,712.46	258.82
08 34 23 00-0044	EA		5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	3,820.01	258.82
<b>08 34 23 00-0045</b>			<b>Single Leaf Steel H2O Drainage Doors</b> (08 34 23 00-0001) Note: Bilco - J H2O Series.		
08 34 23 00-0046	EA		2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	2,745.21	194.08
08 34 23 00-0047	EA		2' 6" x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	2,904.98	202.80
08 34 23 00-0048	EA		3' x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	3,009.31	207.16
08 34 23 00-0049	EA		3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	3,543.86	211.51
08 34 23 00-0050	EA		3' 6" x 3' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	4,176.20	222.41
<b>08 34 23 00-0051</b>			<b>Double Leaf Steel H2O Drainage Doors</b> (08 34 23 00-0001) Note: Bilco - JD H2O Series.		
08 34 23 00-0052	EA		4' x 2' 6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	4,598.78	217.29
08 34 23 00-0053	EA		4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	5,139.91	232.66
08 34 23 00-0054	EA		4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	7,633.39	258.82
08 34 23 00-0055	EA		5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	7,437.84	258.82
<b>08 34 23 00-0056</b>			<b>Single Leaf Aluminum Drainage Door</b> (08 34 23 00-0001) Note: Bilco - J-R (Odor Resistant).		
08 34 23 00-0057	EA		2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	2,938.59	194.08
08 34 23 00-0058	EA		2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	3,533.91	202.80
08 34 23 00-0059	EA		3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	3,761.41	207.16
08 34 23 00-0060	EA		3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	3,993.20	211.51
08 34 23 00-0061	EA		3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	4,545.00	222.41
<b>08 34 23 00-0062</b>			<b>Non-Drainage Doors</b> (08 34 23)		
<b>08 34 23 00-0063</b>			<b>Single Leaf Aluminum Non-Drainage Doors</b> (08 34 23 00-0062) Note: Bilco - Q Series.		
08 34 23 00-0064	EA		2' x 2' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,128.03	194.08
08 34 23 00-0065	EA		2' 6" x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,363.24	202.80
08 34 23 00-0066	EA		3' x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,458.70	207.16
08 34 23 00-0067	EA		3' x 3' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,517.06	211.51
08 34 23 00-0068	EA		3' 6" x 3' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,903.70	222.41
08 34 23 00-0069	EA		2' 6" x 4' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,718.37	217.29
08 34 23 00-0070	EA		3' x 4' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,918.52	222.41
08 34 23 00-0071	EA		2' 6" x 5' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	2,148.24	227.54





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0072 EA 3' x 5' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	2,274.60	232.66
08 34 23 00-0073 EA 3' x 6' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	2,583.30	245.73
<b>08 34 23 00-0074 Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>		
Note: Bilco - K Series.		
08 34 23 00-0075 EA 2' x 2' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	928.05	194.08
08 34 23 00-0076 EA 2' 6" x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,111.41	202.80
08 34 23 00-0077 EA 3' x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,229.09	207.16
08 34 23 00-0078 EA 3' x 3' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,309.67	211.51
08 34 23 00-0079 EA 3' 6" x 3' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,518.55	222.41
<b>08 34 23 00-0080 Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>		
Note: Bilco - QD Series.		
08 34 23 00-0081 EA 4' x 2'-6" Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	2,177.59	217.29
<b>08 34 23 00-0082 Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>		
Note: Bilco - KD Series.		
08 34 23 00-0083 EA 4' x 4' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	2,089.43	232.66
08 34 23 00-0084 EA 4' x 6' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	2,928.63	258.82
08 34 23 00-0085 EA 5' x 5' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	2,987.88	258.82
<b>08 34 23 00-0086 Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>		
Note: Bilco - T Series.		
08 34 23 00-0087 EA 2' x 2' Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	1,016.93	194.08
08 34 23 00-0088 EA 2'-6" x 2'-6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	1,185.48	202.80
08 34 23 00-0089 EA 3' x 2' 6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	1,266.12	207.16
08 34 23 00-0090 EA 3' x 3' Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	1,383.74	211.51
08 34 23 00-0091 EA 3'-6" x 3'-6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	1,614.84	222.41
<b>08 34 23 00-0092 Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>		
Note: Bilco - TD Series.		
08 34 23 00-0093 EA 4' x 4' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering.....	2,215.35	232.66
08 34 23 00-0094 EA 4' x 6' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering.....	3,084.17	258.82
08 34 23 00-0095 EA 5' x 5' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering.....	3,128.61	258.82
<b>08 34 23 00-0096 Single Leaf Steel Non-Drainage Doors (08 34 23 00-0062)</b>		
Note: Bilco - Q Series.		
08 34 23 00-0097 EA 2' x 2' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door .....	1,102.63	194.08
08 34 23 00-0098 EA 2'-6" x 2'-6" Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door .....	1,232.96	202.80
08 34 23 00-0099 EA 3' x 2'-6" Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door .....	1,386.21	207.16
08 34 23 00-0100 EA 3' x 3' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door .....	1,470.94	211.51
08 34 23 00-0101 EA 2'-6" x 4' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door.....	1,676.28	211.51
<b>08 34 23 00-0102 Double Leaf Steel Non-Drainage Doors (08 34 23 00-0062)</b>		
Note: Bilco - QD Series.		
08 34 23 00-0103 EA 4' x 2' 6" Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	2,222.75	217.29
<b>08 34 23 00-0104 Basement Doors (08 34 23)</b>		
Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.		
08 34 23 00-0105 EA 45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal (Bilco Classic Series).....	1,514.67	245.19
08 34 23 00-0106 EA 30" High x 47" Wide x 58" Long, Basement Door (Bilco Classic Series) .....	1,261.39	185.80
08 34 23 00-0107 EA 22" High x 51" Wide x 64" Long, Basement Door (Bilco Classic Series) .....	1,312.15	204.32
08 34 23 00-0108 EA 19-1/2" High x 55" Wide x 72" Long, Basement Door (Bilco Classic Series) .....	1,402.01	217.95
08 34 23 00-0109 EA 52" High x 51" Wide x 43-1/4" Long, Basement Door (Bilco Classic Series) .....	1,552.29	245.19
<b>08 34 49 Radiation Shielding Doors and Frames (08 34)</b>		
<b>08 34 49 13 Neutron Shielding Doors and Frames (08 34 49)</b>		
<b>08 34 49 13-0001 Lead Lined Doors And Frames (08 34 49 13)</b>		
08 34 49 13-0002 SF 1/16" Thick Laminated Lead In Wood Door .....	120.27	10.90
08 34 49 13-0003 SF 1/8" Thick Laminated Lead In Wood Door .....	148.18	10.90
08 34 49 13-0004 LF 1/16" Thick Lead Lined Door Frame .....	131.24	10.90
08 34 49 13-0005 LF 1/8" Thick Lead Lined Door Frame .....	140.54	10.90
<b>08 34 53 Security Doors and Frames (08 34)</b>		
<b>08 34 53 00-0001 Metal Security Doors (08 34 53)</b>		
Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.		
08 34 53 00-0002 EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O) .....	937.41	77.60
Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 34 53 00-0003	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O).....	937.41	77.60
Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.				
08 34 53 00-0004	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O).....	1,328.53	77.60
Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.				

### 08 34 56 Security Gates (08 34)

#### 08 34 56 00-0001

#### Pivoting Double Folding Gate (08 34 56)

Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.

08 34 56 00-0002	EA	6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,060.44	207.55
08 34 56 00-0003	EA	8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,190.54	233.49
08 34 56 00-0004	EA	8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,281.55	259.44
08 34 56 00-0005	EA	8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,411.63	285.38
08 34 56 00-0006	EA	10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,202.37	210.14
08 34 56 00-0007	EA	10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,293.58	236.09
08 34 56 00-0008	EA	10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,418.44	262.03
08 34 56 00-0009	EA	10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,515.20	287.97
08 34 56 00-0010	EA	12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,266.20	212.74
08 34 56 00-0011	EA	12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,357.14	238.68
08 34 56 00-0012	EA	12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,432.04	251.65
08 34 56 00-0013	EA	12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,507.24	264.63
08 34 56 00-0014	EA	12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,608.05	290.56
08 34 56 00-0015	EA	14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,388.82	215.33
08 34 56 00-0016	EA	14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,479.46	241.27
08 34 56 00-0017	EA	14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,564.08	254.24
08 34 56 00-0018	EA	14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,669.16	267.22
08 34 56 00-0019	EA	14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,818.31	293.16
08 34 56 00-0020	EA	16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,575.36	220.52
08 34 56 00-0021	EA	16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,690.62	249.06
08 34 56 00-0022	EA	16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,819.47	264.63
08 34 56 00-0023	EA	16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,894.81	272.41

#### 08 34 56 00-0024

#### Pivoting Single Folding Gate (08 34 56)

Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.

08 34 56 00-0025	EA	5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	720.81	145.28
08 34 56 00-0026	EA	5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	770.29	150.47
08 34 56 00-0027	EA	5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	819.78	155.66
08 34 56 00-0028	EA	5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	879.67	166.04
08 34 56 00-0029	EA	5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	919.97	176.41
08 34 56 00-0030	EA	6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	770.14	150.47
08 34 56 00-0031	EA	6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	819.85	155.66
08 34 56 00-0032	EA	6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	869.34	160.85
08 34 56 00-0033	EA	6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	929.16	171.23
08 34 56 00-0034	EA	6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	969.71	181.60
08 34 56 00-0035	EA	7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	839.18	155.66
08 34 56 00-0036	EA	7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	888.90	160.85
08 34 56 00-0037	EA	7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	938.31	166.04
08 34 56 00-0038	EA	7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	998.31	176.41
08 34 56 00-0039	EA	7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,058.41	186.79

#### 08 34 56 00-0040

#### Window Gates, Expands From 2' To 4' (08 34 56)

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0041	EA	33" High Window Gate, Up To 4' Wide Opening.....	292.67	57.08
08 34 56 00-0042	EA	37" High Window Gate, Up To 4' Wide Opening.....	303.06	62.27
08 34 56 00-0043	EA	40" High Window Gate, Up To 4' Wide Opening.....	303.06	62.27
08 34 56 00-0044	EA	43" High Window Gate, Up To 4' Wide Opening.....	314.20	67.45
08 34 56 00-0045	EA	46" High Window Gate, Up To 4' Wide Opening.....	314.20	67.45
08 34 56 00-0046	EA	49" High Window Gate, Up To 4' Wide Opening.....	324.57	72.64
08 34 56 00-0047	EA	51" High Window Gate, Up To 4' Wide Opening.....	324.58	72.64
08 34 56 00-0048	EA	53" High Window Gate, Up To 4' Wide Opening.....	334.94	77.83
08 34 56 00-0049	EA	55" High Window Gate, Up To 4' Wide Opening.....	334.94	77.83
08 34 56 00-0050	EA	57" High Window Gate, Up To 4' Wide Opening.....	345.33	83.02
08 34 56 00-0051	EA	59" High Window Gate, Up To 4' Wide Opening.....	345.33	83.02

#### 08 34 56 00-0052

#### Pivoting Door Gate, Expands From 2' To 4' (08 34 56)

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0053	EA	61" High Pivoting Door Gate, Up To 4' Wide Opening.....	355.71	88.21
08 34 56 00-0054	EA	63" High Pivoting Door Gate, Up To 4' Wide Opening.....	358.09	88.21
08 34 56 00-0055	EA	66" High Pivoting Door Gate, Up To 4' Wide Opening.....	371.63	93.40
08 34 56 00-0056	EA	71" High Pivoting Door Gate, Up To 4' Wide Opening.....	385.18	98.59
08 34 56 00-0057	EA	73" High Pivoting Door Gate, Up To 4' Wide Opening.....	388.35	98.59
08 34 56 00-0058	EA	76" High Pivoting Door Gate, Up To 4' Wide Opening.....	401.90	103.77
08 34 56 00-0059	EA	79" High Pivoting Door Gate, Up To 4' Wide Opening.....	405.06	103.77
08 34 56 00-0060	EA	81" High Pivoting Door Gate, Up To 4' Wide Opening.....	417.62	108.96
08 34 56 00-0061	EA	83" High Pivoting Door Gate, Up To 4' Wide Opening.....	421.77	108.96



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 34 73 Sound Control Door Assemblies** (08 34)

**08 34 73 13 Metal Sound Control Door Assemblies** (08 34 73)

08 34 73 13-0001 Steel Acoustical Door Assembly (08 34 73 13)

Note: Includes seal.

08 34 73 13-0002 Steel Acoustical Doors (08 34 73 13-0001)

Note: Includes hinges. Excludes hardware: lockset, closer, electromagnetic release, etc.

08 34 73 13-0003	EA 3' x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated).....	3,539.52	196.15
	For 3" x 33" Vision Lite, Add	1,320.95	
	For 20" x 64" Vision Lite, Add	1,413.57	
	For 8' Height, Add	448.48	
	For 14 Gauge, Add	424.87	
	For 45 Minutes Fire Rated, Add	188.83	
	For 60 Minutes Fire Rated, Add	283.25	
	For 90 Minutes Fire Rated, Add	472.08	
	For 120 Minutes Fire Rated, Add	660.91	
	For 45 STC Rating, Deduct	-1,070.05	
	For 48 STC Rating, Deduct	-566.50	
	For 52 STC Rating, Add	440.61	
	For 55 STC Rating, Add	1,195.94	
08 34 73 13-0004	EA 3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated).....	3,745.96	204.32
	For 3" x 33" Vision Lite, Add	1,320.95	
	For 20" x 64" Vision Lite, Add	1,413.57	
	For 8' Height, Add	475.57	
	For 14 Gauge, Add	450.54	
	For 45 Minutes Fire Rated, Add	200.24	
	For 60 Minutes Fire Rated, Add	300.36	
	For 90 Minutes Fire Rated, Add	500.60	
	For 120 Minutes Fire Rated, Add	700.84	
	For 45 STC Rating, Deduct	-1,134.69	
	For 48 STC Rating, Deduct	-600.72	
	For 52 STC Rating, Add	467.22	
	For 55 STC Rating, Add	1,268.18	
08 34 73 13-0005	EA 4' x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated).....	3,968.75	220.67
	For 3" x 33" Vision Lite, Add	1,320.95	
	For 20" x 64" Vision Lite, Add	1,413.57	
	For 8' Height, Add	502.66	
	For 14 Gauge, Add	476.20	
	For 45 Minutes Fire Rated, Add	211.64	
	For 60 Minutes Fire Rated, Add	317.47	
	For 90 Minutes Fire Rated, Add	529.11	
	For 120 Minutes Fire Rated, Add	740.76	
	For 45 STC Rating, Deduct	-1,199.32	
	For 48 STC Rating, Deduct	-634.93	
	For 52 STC Rating, Add	493.84	
	For 55 STC Rating, Add	1,340.42	
08 34 73 13-0006	PR Pair 3' x 7', 16 Gauge, STC 50, Steel Acoustical Doors (Unrated) .....	7,039.81	372.69
	For 3" x 33" Windows, Add	2,641.91	
	For 20" x 64" Windows, Add	2,827.13	
	For 8' Height, Add	896.96	
	For 14 Gauge, Add	849.75	
	For 45 Minutes Fire Rated, Add	377.67	
	For 60 Minutes Fire Rated, Add	566.50	
	For 90 Minutes Fire Rated, Add	944.16	
	For 120 Minutes Fire Rated, Add	1,321.83	
	For 45 STC Rating, Deduct	-2,140.11	
	For 48 STC Rating, Deduct	-1,133.00	
	For 52 STC Rating, Add	881.22	
	For 55 STC Rating, Add	2,391.88	
08 34 73 13-0007	PR Pair 3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated).....	7,426.54	375.95
	For 3" x 33" Vision Lite, Add	1,320.95	
	For 20" x 64" Vision Lite, Add	1,413.57	
	For 8' Height, Add	951.13	
	For 14 Gauge, Add	901.08	
	For 45 Minutes Fire Rated, Add	400.48	
	For 60 Minutes Fire Rated, Add	600.72	
	For 90 Minutes Fire Rated, Add	1,001.19	
	For 120 Minutes Fire Rated, Add	1,401.67	
	For 45 STC Rating, Deduct	-2,269.37	
	For 48 STC Rating, Deduct	-1,201.43	
	For 52 STC Rating, Add	934.45	
	For 55 STC Rating, Add	2,536.36	
08 34 73 13-0008	Steel Acoustical Door Frames (08 34 73 13-0001)		
08 34 73 13-0009	EA 3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,437.74	108.97
	For 8' Height, Add	255.28	
	For 45 Minutes Fire Rated, Add	155.39	
	For 60 Minutes Fire Rated, Add	266.37	
	For 90 Minutes Fire Rated, Add	377.36	
	For 120 Minutes Fire Rated, Add	532.75	

**08 Openings****08 30 Specialty Doors and Frames****08 34 Special Function Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0010	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	2,500.61	108.97	
		<i>For 8' Height, Add</i>	262.51		
		<i>For 45 Minutes Fire Rated, Add</i>	159.79		
		<i>For 60 Minutes Fire Rated, Add</i>	273.92		
		<i>For 90 Minutes Fire Rated, Add</i>	388.05		
		<i>For 120 Minutes Fire Rated, Add</i>	547.84		
08 34 73 13-0011	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	2,563.49	108.97	
		<i>For 8' Height, Add</i>	269.74		
		<i>For 45 Minutes Fire Rated, Add</i>	164.19		
		<i>For 60 Minutes Fire Rated, Add</i>	281.46		
		<i>For 90 Minutes Fire Rated, Add</i>	398.74		
		<i>For 120 Minutes Fire Rated, Add</i>	562.93		
08 34 73 13-0012	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	2,626.37	108.97	
		<i>For 8' Height, Add</i>	276.97		
		<i>For 45 Minutes Fire Rated, Add</i>	168.59		
		<i>For 60 Minutes Fire Rated, Add</i>	289.01		
		<i>For 90 Minutes Fire Rated, Add</i>	409.43		
		<i>For 120 Minutes Fire Rated, Add</i>	578.02		
08 34 73 13-0013	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	2,787.08	119.87	
		<i>For 8' Height, Add</i>	292.94		
		<i>For 45 Minutes Fire Rated, Add</i>	178.31		
		<i>For 60 Minutes Fire Rated, Add</i>	305.68		
		<i>For 90 Minutes Fire Rated, Add</i>	433.05		
		<i>For 120 Minutes Fire Rated, Add</i>	611.36		
08 34 73 13-0014	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	2,857.27	119.87	
		<i>For 8' Height, Add</i>	301.02		
		<i>For 45 Minutes Fire Rated, Add</i>	183.23		
		<i>For 60 Minutes Fire Rated, Add</i>	314.10		
		<i>For 90 Minutes Fire Rated, Add</i>	444.98		
		<i>For 120 Minutes Fire Rated, Add</i>	628.21		
08 34 73 13-0015	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	2,920.15	119.87	
		<i>For 8' Height, Add</i>	308.25		
		<i>For 45 Minutes Fire Rated, Add</i>	187.63		
		<i>For 60 Minutes Fire Rated, Add</i>	321.65		
		<i>For 90 Minutes Fire Rated, Add</i>	455.67		
		<i>For 120 Minutes Fire Rated, Add</i>	643.30		
08 34 73 13-0016	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	2,998.14	119.87	
		<i>For 8' Height, Add</i>	317.22		
		<i>For 45 Minutes Fire Rated, Add</i>	193.09		
		<i>For 60 Minutes Fire Rated, Add</i>	331.01		
		<i>For 90 Minutes Fire Rated, Add</i>	468.93		
		<i>For 120 Minutes Fire Rated, Add</i>	662.02		
08 34 73 13-0017	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,141.63	125.32	
		<i>For 8' Height, Add</i>	332.46		
		<i>For 45 Minutes Fire Rated, Add</i>	202.37		
		<i>For 60 Minutes Fire Rated, Add</i>	346.92		
		<i>For 90 Minutes Fire Rated, Add</i>	491.47		
		<i>For 120 Minutes Fire Rated, Add</i>	693.84		
08 34 73 13-0018	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,204.50	125.32	
		<i>For 8' Height, Add</i>	339.69		
		<i>For 45 Minutes Fire Rated, Add</i>	206.77		
		<i>For 60 Minutes Fire Rated, Add</i>	354.46		
		<i>For 90 Minutes Fire Rated, Add</i>	502.16		
		<i>For 120 Minutes Fire Rated, Add</i>	708.93		
08 34 73 13-0019	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,267.38	125.32	
		<i>For 8' Height, Add</i>	346.93		
		<i>For 45 Minutes Fire Rated, Add</i>	211.17		
		<i>For 60 Minutes Fire Rated, Add</i>	362.01		
		<i>For 90 Minutes Fire Rated, Add</i>	512.85		
		<i>For 120 Minutes Fire Rated, Add</i>	724.02		
08 34 73 13-0020	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,337.57	125.32	
		<i>For 8' Height, Add</i>	355.00		
		<i>For 45 Minutes Fire Rated, Add</i>	216.09		
		<i>For 60 Minutes Fire Rated, Add</i>	370.43		
		<i>For 90 Minutes Fire Rated, Add</i>	524.78		
		<i>For 120 Minutes Fire Rated, Add</i>	740.86		
08 34 73 13-0021	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	5,544.72	141.67	
		<i>For 8' Height, Add</i>	605.06		
		<i>For 45 Minutes Fire Rated, Add</i>	368.30		
		<i>For 60 Minutes Fire Rated, Add</i>	631.37		
		<i>For 90 Minutes Fire Rated, Add</i>	894.44		
		<i>For 120 Minutes Fire Rated, Add</i>	1,262.73		
08 34 73 13-0022	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	5,604.67	141.67	
		<i>For 8' Height, Add</i>	611.95		
		<i>For 45 Minutes Fire Rated, Add</i>	372.49		
		<i>For 60 Minutes Fire Rated, Add</i>	638.56		
		<i>For 90 Minutes Fire Rated, Add</i>	904.63		
		<i>For 120 Minutes Fire Rated, Add</i>	1,277.12		
08 34 73 13-0023	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	5,669.01	141.67	
		<i>For 8' Height, Add</i>	619.35		
		<i>For 45 Minutes Fire Rated, Add</i>	377.00		
		<i>For 60 Minutes Fire Rated, Add</i>	646.28		
		<i>For 90 Minutes Fire Rated, Add</i>	915.57		
		<i>For 120 Minutes Fire Rated, Add</i>	1,292.56		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0024 EA 6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	5,734.82	141.67
<i>For 8' Height, Add</i>	626.92	
<i>For 45 Minutes Fire Rated, Add</i>	381.60	
<i>For 60 Minutes Fire Rated, Add</i>	654.18	
<i>For 90 Minutes Fire Rated, Add</i>	926.75	
<i>For 120 Minutes Fire Rated, Add</i>	1,308.36	
08 34 73 13-0025 EA 7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	5,950.22	147.12
<i>For 8' Height, Add</i>	650.44	
<i>For 45 Minutes Fire Rated, Add</i>	395.92	
<i>For 60 Minutes Fire Rated, Add</i>	678.72	
<i>For 90 Minutes Fire Rated, Add</i>	961.52	
<i>For 120 Minutes Fire Rated, Add</i>	1,357.44	
08 34 73 13-0026 EA 7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	6,014.67	147.12
<i>For 8' Height, Add</i>	657.85	
<i>For 45 Minutes Fire Rated, Add</i>	400.43	
<i>For 60 Minutes Fire Rated, Add</i>	686.45	
<i>For 90 Minutes Fire Rated, Add</i>	972.47	
<i>For 120 Minutes Fire Rated, Add</i>	1,372.91	
08 34 73 13-0027 EA 7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	6,083.84	147.12
<i>For 8' Height, Add</i>	665.81	
<i>For 45 Minutes Fire Rated, Add</i>	405.27	
<i>For 60 Minutes Fire Rated, Add</i>	694.75	
<i>For 90 Minutes Fire Rated, Add</i>	984.23	
<i>For 120 Minutes Fire Rated, Add</i>	1,389.51	
08 34 73 13-0028 EA 7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	6,154.58	147.12
<i>For 8' Height, Add</i>	673.94	
<i>For 45 Minutes Fire Rated, Add</i>	410.22	
<i>For 60 Minutes Fire Rated, Add</i>	703.24	
<i>For 90 Minutes Fire Rated, Add</i>	996.26	
<i>For 120 Minutes Fire Rated, Add</i>	1,406.48	
08 34 73 13-0029 EA 3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	2,684.38	108.97
<i>For 8' Height, Add</i>	283.64	
<i>For 45 Minutes Fire Rated, Add</i>	172.65	
<i>For 60 Minutes Fire Rated, Add</i>	295.97	
<i>For 90 Minutes Fire Rated, Add</i>	419.29	
<i>For 120 Minutes Fire Rated, Add</i>	591.94	
08 34 73 13-0030 EA 3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	2,754.24	108.97
<i>For 8' Height, Add</i>	291.67	
<i>For 45 Minutes Fire Rated, Add</i>	177.54	
<i>For 60 Minutes Fire Rated, Add</i>	304.35	
<i>For 90 Minutes Fire Rated, Add</i>	431.17	
<i>For 120 Minutes Fire Rated, Add</i>	608.71	
08 34 73 13-0031 EA 3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	2,824.11	108.97
<i>For 8' Height, Add</i>	299.71	
<i>For 45 Minutes Fire Rated, Add</i>	182.43	
<i>For 60 Minutes Fire Rated, Add</i>	312.74	
<i>For 90 Minutes Fire Rated, Add</i>	443.05	
<i>For 120 Minutes Fire Rated, Add</i>	625.48	
08 34 73 13-0032 EA 3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	2,893.98	108.97
<i>For 8' Height, Add</i>	307.74	
<i>For 45 Minutes Fire Rated, Add</i>	187.32	
<i>For 60 Minutes Fire Rated, Add</i>	321.12	
<i>For 90 Minutes Fire Rated, Add</i>	454.93	
<i>For 120 Minutes Fire Rated, Add</i>	642.25	
08 34 73 13-0033 EA 3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	3,070.12	119.87
<i>For 8' Height, Add</i>	325.49	
<i>For 45 Minutes Fire Rated, Add</i>	198.13	
<i>For 60 Minutes Fire Rated, Add</i>	339.65	
<i>For 90 Minutes Fire Rated, Add</i>	481.16	
<i>For 120 Minutes Fire Rated, Add</i>	679.29	
08 34 73 13-0034 EA 3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	3,148.11	119.87
<i>For 8' Height, Add</i>	334.46	
<i>For 45 Minutes Fire Rated, Add</i>	203.59	
<i>For 60 Minutes Fire Rated, Add</i>	349.00	
<i>For 90 Minutes Fire Rated, Add</i>	494.42	
<i>For 120 Minutes Fire Rated, Add</i>	698.01	
08 34 73 13-0035 EA 3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	3,217.98	119.87
<i>For 8' Height, Add</i>	342.50	
<i>For 45 Minutes Fire Rated, Add</i>	208.48	
<i>For 60 Minutes Fire Rated, Add</i>	357.39	
<i>For 90 Minutes Fire Rated, Add</i>	506.30	
<i>For 120 Minutes Fire Rated, Add</i>	714.78	
08 34 73 13-0036 EA 3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	3,304.63	119.87
<i>For 8' Height, Add</i>	352.46	
<i>For 45 Minutes Fire Rated, Add</i>	214.54	
<i>For 60 Minutes Fire Rated, Add</i>	367.79	
<i>For 90 Minutes Fire Rated, Add</i>	521.03	
<i>For 120 Minutes Fire Rated, Add</i>	735.57	

**08 Openings****08 30 Specialty Doors and Frames****08 34 Special Function Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 34 73 13-0037	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,462.85	125.32
		<i>For 8' Height, Add</i>	369.40	
		<i>For 45 Minutes Fire Rated, Add</i>	224.85	
		<i>For 60 Minutes Fire Rated, Add</i>	385.47	
		<i>For 90 Minutes Fire Rated, Add</i>	546.08	
		<i>For 120 Minutes Fire Rated, Add</i>	770.93	
08 34 73 13-0038	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,532.71	125.32
		<i>For 8' Height, Add</i>	377.44	
		<i>For 45 Minutes Fire Rated, Add</i>	229.74	
		<i>For 60 Minutes Fire Rated, Add</i>	393.85	
		<i>For 90 Minutes Fire Rated, Add</i>	557.95	
		<i>For 120 Minutes Fire Rated, Add</i>	787.70	
08 34 73 13-0039	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,602.58	125.32
		<i>For 8' Height, Add</i>	385.47	
		<i>For 45 Minutes Fire Rated, Add</i>	234.64	
		<i>For 60 Minutes Fire Rated, Add</i>	402.23	
		<i>For 90 Minutes Fire Rated, Add</i>	569.83	
		<i>For 120 Minutes Fire Rated, Add</i>	804.47	
08 34 73 13-0040	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,680.57	125.32
		<i>For 8' Height, Add</i>	394.44	
		<i>For 45 Minutes Fire Rated, Add</i>	240.10	
		<i>For 60 Minutes Fire Rated, Add</i>	411.59	
		<i>For 90 Minutes Fire Rated, Add</i>	583.09	
		<i>For 120 Minutes Fire Rated, Add</i>	823.18	
08 34 73 13-0041	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	6,129.32	141.67
		<i>For 8' Height, Add</i>	672.29	
		<i>For 45 Minutes Fire Rated, Add</i>	409.22	
		<i>For 60 Minutes Fire Rated, Add</i>	701.52	
		<i>For 90 Minutes Fire Rated, Add</i>	993.82	
		<i>For 120 Minutes Fire Rated, Add</i>	1,403.04	
08 34 73 13-0042	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	6,195.93	141.67
		<i>For 8' Height, Add</i>	679.95	
		<i>For 45 Minutes Fire Rated, Add</i>	413.88	
		<i>For 60 Minutes Fire Rated, Add</i>	709.51	
		<i>For 90 Minutes Fire Rated, Add</i>	1,005.14	
		<i>For 120 Minutes Fire Rated, Add</i>	1,419.02	
08 34 73 13-0043	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	6,267.42	141.67
		<i>For 8' Height, Add</i>	688.17	
		<i>For 45 Minutes Fire Rated, Add</i>	418.89	
		<i>For 60 Minutes Fire Rated, Add</i>	718.09	
		<i>For 90 Minutes Fire Rated, Add</i>	1,017.30	
		<i>For 120 Minutes Fire Rated, Add</i>	1,436.18	
08 34 73 13-0044	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	6,340.54	141.67
		<i>For 8' Height, Add</i>	696.58	
		<i>For 45 Minutes Fire Rated, Add</i>	424.00	
		<i>For 60 Minutes Fire Rated, Add</i>	726.87	
		<i>For 90 Minutes Fire Rated, Add</i>	1,029.73	
		<i>For 120 Minutes Fire Rated, Add</i>	1,453.73	
08 34 73 13-0045	EA	7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	6,578.67	147.12
		<i>For 8' Height, Add</i>	722.71	
		<i>For 45 Minutes Fire Rated, Add</i>	439.91	
		<i>For 60 Minutes Fire Rated, Add</i>	754.13	
		<i>For 90 Minutes Fire Rated, Add</i>	1,068.35	
		<i>For 120 Minutes Fire Rated, Add</i>	1,508.27	
08 34 73 13-0046	EA	7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	6,650.28	147.12
		<i>For 8' Height, Add</i>	730.95	
		<i>For 45 Minutes Fire Rated, Add</i>	444.92	
		<i>For 60 Minutes Fire Rated, Add</i>	762.73	
		<i>For 90 Minutes Fire Rated, Add</i>	1,080.53	
		<i>For 120 Minutes Fire Rated, Add</i>	1,525.45	
08 34 73 13-0047	EA	7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	6,727.13	147.12
		<i>For 8' Height, Add</i>	739.78	
		<i>For 45 Minutes Fire Rated, Add</i>	450.30	
		<i>For 60 Minutes Fire Rated, Add</i>	771.95	
		<i>For 90 Minutes Fire Rated, Add</i>	1,093.59	
		<i>For 120 Minutes Fire Rated, Add</i>	1,543.90	
08 34 73 13-0048	EA	7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	6,805.73	147.12
		<i>For 8' Height, Add</i>	748.82	
		<i>For 45 Minutes Fire Rated, Add</i>	455.81	
		<i>For 60 Minutes Fire Rated, Add</i>	781.38	
		<i>For 90 Minutes Fire Rated, Add</i>	1,106.96	
		<i>For 120 Minutes Fire Rated, Add</i>	1,562.76	

**08 34 73 16 Wood Sound Control Door Assemblies (08 34 73)****08 34 73 16-0001 Wood Acoustical Door Assembly (08 34 73 16)**

Note: Includes the prefinished door, frame, hinges and seals.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0002 EA 3' x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System (Unrated) .....	1,820.15	196.15
<i>For 20 Minutes Fire Rated, Add</i>	50.00	
<i>For 45 Minutes Fire Rated, Add</i>	80.00	
<i>For 60 Minutes Fire Rated, Add</i>	115.00	
<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0003 EA 3' x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System (Unrated) .....	1,967.86	196.15
<i>For 20 Minutes Fire Rated, Add</i>	50.00	
<i>For 45 Minutes Fire Rated, Add</i>	80.00	
<i>For 60 Minutes Fire Rated, Add</i>	115.00	
<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0004 EA 3' x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System (Unrated) .....	2,049.92	196.15
<i>For 20 Minutes Fire Rated, Add</i>	50.00	
<i>For 45 Minutes Fire Rated, Add</i>	80.00	
<i>For 60 Minutes Fire Rated, Add</i>	115.00	
<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0005 EA 3' x 7' x 1-3/4" Thick, STC 31, Wood Acoustical Door System (Unrated) .....	2,131.98	196.15
<i>For 20 Minutes Fire Rated, Add</i>	50.00	
<i>For 45 Minutes Fire Rated, Add</i>	80.00	
<i>For 60 Minutes Fire Rated, Add</i>	115.00	
<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0006 EA 3' x 7' x 1-3/4" Thick, STC 36, Wood Acoustical Door System (Unrated) .....	2,493.05	196.15
<i>For 20 Minutes Fire Rated, Add</i>	50.00	
<i>For 45 Minutes Fire Rated, Add</i>	80.00	
<i>For 60 Minutes Fire Rated, Add</i>	115.00	
<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0007 EA 3' x 7' x 1-3/4" Thick, STC 40, Wood Acoustical Door System (Unrated) .....	3,280.82	196.15
08 34 73 16-0008 EA 3' x 7' x 1-3/4" Thick, STC 42, Wood Acoustical Door System (Unrated) .....	3,433.45	196.15
<i>For 20 Minutes Fire Rated, Add</i>	50.00	
<i>For 45 Minutes Fire Rated, Add</i>	80.00	
<i>For 60 Minutes Fire Rated, Add</i>	115.00	
<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0009 EA 3' x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System (Unrated) .....	4,043.98	196.15
<i>For 20 Minutes Fire Rated, Add</i>	50.00	
<i>For 45 Minutes Fire Rated, Add</i>	80.00	
<i>For 60 Minutes Fire Rated, Add</i>	115.00	
<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0010 EA 3' x 7' x 1-3/4" Thick, STC 49, Wood Acoustical Door System (Unrated) .....	4,499.41	196.15

**08 36 Panel Doors** (08 30)

**08 36 13 Sectional Doors** (08 36)

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0981 for forklift.

**08 36 13 00-0001 Sectional Wood Overhead Doors (Width x Height)** (08 36 13)

**08 36 13 00-0002 Wood Sectional Overhead Doors** (08 36 13 00-0001)

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0003 EA 8' x 8', Wood Sectional Door, Manual Lift .....	2,553.87	435.90
08 36 13 00-0004 EA 10' x 10', Wood Sectional Door, Manual Lift .....	3,152.13	483.84
08 36 13 00-0005 EA 12' x 12', Wood Sectional Door, Manual Lift .....	4,006.31	579.74
08 36 13 00-0006 EA 14' x 14', Wood Sectional Door, Manual Lift .....	5,705.90	671.28
08 36 13 00-0007 EA 12' x 16', Wood Sectional Door, Manual Lift .....	6,194.88	871.78
08 36 13 00-0008 EA 20' x 8', Wood Sectional Door, Manual Lift .....	6,006.78	1,089.73
08 36 13 00-0009 EA 20' x 16', Wood Sectional Door, Manual Lift .....	10,745.66	1,452.61

**08 36 13 00-0010 Residential Grade, Wood Sectional Overhead Doors** (08 36 13 00-0001)

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0011 EA 9' x 7', Residential Grade, Wood Sectional Door, Manual Lift .....	1,315.46	217.95
<i>For Hardboard Face, Add</i>	115.00	
<i>For Insulation, Add</i>	117.00	
<i>For Motor Operator With Remote Controls, Add</i>	447.43	
<i>For Each Glass Vision Panel In Door, Add</i>	50.00	
08 36 13 00-0012 EA 16' x 7', Residential Grade, Wood Sectional Door, Manual Lift .....	2,035.74	217.95
<i>For Hardboard Face, Add</i>	115.00	
<i>For Insulation, Add</i>	117.00	
<i>For Motor Operator With Remote Controls, Add</i>	479.83	
<i>For Each Glass Vision Panel In Door, Add</i>	50.00	

**08 36 13 00-0013 Sectional Metal Overhead Doors (Width x Height)** (08 36 13)

Note: Includes tracks and all hardware.

**08 36 13 00-0014 Galvanized Steel Sectional Overhead Doors** (08 36 13 00-0013)

**08 36 13 00-0015 Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors** (08 36 13 00-0014)

Note: Includes 2" door, tracks and hardware. Excludes frame.

08 36 13 00-0016 EA 8' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	1,720.62	381.41
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	138.88	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	239.45	
<i>For Aluminum, Mill Finish, Add</i>	109.19	
<i>For Aluminum, Anodized Finish, Add</i>	305.54	

**08 Openings****08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0017	EA		8' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,028.08	435.90
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	167.66	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	289.08	
			<i>For Aluminum, Mill Finish, Add</i>	131.82	
			<i>For Aluminum, Anodized Finish, Add</i>	368.86	
08 36 13 00-0018	EA		8' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,503.47	544.86
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	204.99	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	353.44	
			<i>For Aluminum, Mill Finish, Add</i>	161.17	
			<i>For Aluminum, Anodized Finish, Add</i>	450.98	
08 36 13 00-0019	EA		10' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	1,939.68	435.90
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	154.85	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	266.98	
			<i>For Aluminum, Mill Finish, Add</i>	121.74	
			<i>For Aluminum, Anodized Finish, Add</i>	340.66	
08 36 13 00-0020	EA		10' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,390.25	544.86
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	188.58	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	325.13	
			<i>For Aluminum, Mill Finish, Add</i>	148.26	
			<i>For Aluminum, Anodized Finish, Add</i>	414.87	
08 36 13 00-0021	EA		10' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,007.17	708.33
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	230.63	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	397.63	
			<i>For Aluminum, Mill Finish, Add</i>	181.32	
			<i>For Aluminum, Anodized Finish, Add</i>	507.38	
08 36 13 00-0022	EA		10' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,554.33	871.78
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	262.56	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	452.69	
			<i>For Aluminum, Mill Finish, Add</i>	206.43	
			<i>For Aluminum, Anodized Finish, Add</i>	577.63	
08 36 13 00-0023	EA		12' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,315.83	544.86
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	177.78	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	306.53	
			<i>For Aluminum, Mill Finish, Add</i>	139.78	
			<i>For Aluminum, Anodized Finish, Add</i>	391.13	
08 36 13 00-0024	EA		12' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,895.52	708.33
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	214.44	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	369.72	
			<i>For Aluminum, Mill Finish, Add</i>	168.59	
			<i>For Aluminum, Anodized Finish, Add</i>	471.76	
08 36 13 00-0025	EA		12' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,534.16	871.78
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	259.64	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	447.65	
			<i>For Aluminum, Mill Finish, Add</i>	204.13	
			<i>For Aluminum, Anodized Finish, Add</i>	571.20	
08 36 13 00-0026	EA		12' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	4,169.71	1,035.24
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	304.39	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	524.81	
			<i>For Aluminum, Mill Finish, Add</i>	239.31	
			<i>For Aluminum, Anodized Finish, Add</i>	669.65	
08 36 13 00-0027	EA		12' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	4,976.24	1,253.19
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	358.13	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	617.47	
			<i>For Aluminum, Mill Finish, Add</i>	281.57	
			<i>For Aluminum, Anodized Finish, Add</i>	787.89	
08 36 13 00-0028	EA		14' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,748.20	708.33
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	193.08	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	332.89	
			<i>For Aluminum, Mill Finish, Add</i>	151.80	
			<i>For Aluminum, Anodized Finish, Add</i>	424.77	
08 36 13 00-0029	EA		14' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,380.63	871.78
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	237.37	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	409.27	
			<i>For Aluminum, Mill Finish, Add</i>	186.62	
			<i>For Aluminum, Anodized Finish, Add</i>	522.22	
08 36 13 00-0030	EA		14' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	4,171.67	1,089.73
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	288.87	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	498.05	
			<i>For Aluminum, Mill Finish, Add</i>	227.11	
			<i>For Aluminum, Anodized Finish, Add</i>	635.51	
08 36 13 00-0031	EA		14' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	4,810.30	1,253.19
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	334.07	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	575.98	
			<i>For Aluminum, Mill Finish, Add</i>	262.65	
			<i>For Aluminum, Anodized Finish, Add</i>	734.95	
08 36 13 00-0032	EA		14' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	5,531.13	1,416.65
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	391.19	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	674.46	
			<i>For Aluminum, Mill Finish, Add</i>	307.55	
			<i>For Aluminum, Anodized Finish, Add</i>	860.61	
08 36 13 00-0033	EA		16' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,326.35	871.78
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	229.50	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	395.70	
			<i>For Aluminum, Mill Finish, Add</i>	180.44	
			<i>For Aluminum, Anodized Finish, Add</i>	504.91	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0034 EA 16' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,114.28 280.55 483.70 220.57 617.20	1,089.73
08 36 13 00-0035 EA 16' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,839.75 338.34 583.35 266.01 744.35	1,253.19
08 36 13 00-0036 EA 16' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	5,763.76 424.92 732.62 334.07 934.82	1,416.65
08 36 13 00-0037 EA 16' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	6,712.98 499.35 860.94 392.59 1,098.56	1,634.59
08 36 13 00-0038 EA 18' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,233.72 297.87 513.56 234.18 655.31	1,089.73
08 36 13 00-0039 EA 18' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	5,053.78 369.37 636.85 290.40 812.62	1,253.19
08 36 13 00-0040 EA 18' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	6,104.94 474.39 817.91 372.97 1,043.65	1,416.65
08 36 13 00-0041 EA 18' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	7,055.72 549.04 946.63 431.66 1,207.90	1,634.59
08 36 13 00-0042 EA 18' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	8,102.66 637.64 1,099.39 501.32 1,402.82	1,852.54
08 36 13 00-0043 EA 20' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,810.30 334.07 575.98 262.65 734.95	1,253.19
08 36 13 00-0044 EA 20' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	5,630.39 405.58 699.27 318.87 892.27	1,416.65
08 36 13 00-0045 EA 20' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	6,936.31 531.73 916.78 418.05 1,169.80	1,634.59
08 36 13 00-0046 EA 20' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	7,887.09 606.39 1,045.50 476.75 1,334.05	1,852.54
08 36 13 00-0047 EA 20' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	9,715.64 808.32 1,393.66 635.51 1,778.31	2,070.49
08 36 13 00-0048 EA 22' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	5,357.43 366.00 631.03 287.75 805.20	1,416.65
08 36 13 00-0049 EA 22' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	6,602.89 483.38 833.42 380.04 1,063.44	1,634.59
08 36 13 00-0050 EA 22' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	7,817.31 596.27 1,028.05 468.79 1,311.79	1,852.54

**08 Openings****08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0051	EA		22' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	9,214.72	2,070.49
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	735.69	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,268.43	
			<i>For Aluminum, Mill Finish, Add</i>	578.40	
			<i>For Aluminum, Anodized Finish, Add</i>	1,618.51	
08 36 13 00-0052	EA		22' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	10,387.21	2,288.44
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	842.50	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,452.59	
			<i>For Aluminum, Mill Finish, Add</i>	662.38	
			<i>For Aluminum, Anodized Finish, Add</i>	1,853.50	
08 36 13 00-0053	EA		24' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	5,943.79	1,634.59
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	387.81	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	668.65	
			<i>For Aluminum, Mill Finish, Add</i>	304.90	
			<i>For Aluminum, Anodized Finish, Add</i>	853.19	
08 36 13 00-0054	EA		24' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	7,237.28	1,852.54
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	512.16	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	883.04	
			<i>For Aluminum, Mill Finish, Add</i>	402.67	
			<i>For Aluminum, Anodized Finish, Add</i>	1,126.76	
08 36 13 00-0055	EA		24' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	8,799.10	2,070.49
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	675.42	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,164.52	
			<i>For Aluminum, Mill Finish, Add</i>	531.02	
			<i>For Aluminum, Anodized Finish, Add</i>	1,485.93	
08 36 13 00-0056	EA		24' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	9,835.13	2,288.44
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	762.45	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,314.57	
			<i>For Aluminum, Mill Finish, Add</i>	599.44	
			<i>For Aluminum, Anodized Finish, Add</i>	1,677.39	
08 36 13 00-0057	EA		24' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	11,035.58	2,506.38
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	873.31	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,505.71	
			<i>For Aluminum, Mill Finish, Add</i>	686.60	
			<i>For Aluminum, Anodized Finish, Add</i>	1,921.28	
<b>08 36 13 00-0058</b>			<b>Insulated, 24 Gauge Galvanized Steel Sectional Doors</b> <small>(08 36 13 00-0014)</small>		
			Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.		
08 36 13 00-0059	EA		8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,177.00	381.41
			<i>For Aluminum, Mill Finish, Add</i>	161.22	
			<i>For Aluminum, Anodized Finish, Add</i>	451.13	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	176.77	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	353.55	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	919.22	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,767.74	
08 36 13 00-0060	EA		8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,594.55	435.90
			<i>For Aluminum, Mill Finish, Add</i>	196.40	
			<i>For Aluminum, Anodized Finish, Add</i>	549.56	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	215.35	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	430.69	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,119.80	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,153.46	
08 36 13 00-0061	EA		8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,186.85	544.86
			<i>For Aluminum, Mill Finish, Add</i>	239.07	
			<i>For Aluminum, Anodized Finish, Add</i>	668.98	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	262.14	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	524.28	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,363.13	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,621.40	
08 36 13 00-0062	EA		10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,531.64	435.90
			<i>For Aluminum, Mill Finish, Add</i>	189.22	
			<i>For Aluminum, Anodized Finish, Add</i>	529.50	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	207.48	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	414.97	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,078.91	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,074.83	
08 36 13 00-0063	EA		10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,109.36	544.86
			<i>For Aluminum, Mill Finish, Add</i>	230.24	
			<i>For Aluminum, Anodized Finish, Add</i>	644.26	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	252.45	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	504.91	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,312.76	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,524.54	
08 36 13 00-0064	EA		10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,952.49	708.33
			<i>For Aluminum, Mill Finish, Add</i>	289.09	
			<i>For Aluminum, Anodized Finish, Add</i>	808.94	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	316.98	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	633.96	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,648.30	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,169.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0065 EA 10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,586.53	871.78
For Aluminum, Mill Finish, Add	324.10	
For Aluminum, Anodized Finish, Add	906.90	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	355.37	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	710.74	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,847.92	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,553.70	
08 36 13 00-0066 EA 12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,990.91	544.86
For Aluminum, Mill Finish, Add	216.73	
For Aluminum, Anodized Finish, Add	606.48	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	237.65	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	475.30	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,235.77	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,376.48	
08 36 13 00-0067 EA 12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,728.75	708.33
For Aluminum, Mill Finish, Add	263.58	
For Aluminum, Anodized Finish, Add	737.56	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	289.01	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	578.03	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,502.87	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,890.14	
08 36 13 00-0068 EA 12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,547.06	871.78
For Aluminum, Mill Finish, Add	319.60	
For Aluminum, Anodized Finish, Add	894.31	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	350.44	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	700.87	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,822.27	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,504.36	
08 36 13 00-0069 EA 12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,317.08	1,035.24
For Aluminum, Mill Finish, Add	370.11	
For Aluminum, Anodized Finish, Add	1,035.66	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	405.82	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	811.65	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,110.28	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,058.24	
08 36 13 00-0070 EA 12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,454.92	1,253.19
For Aluminum, Mill Finish, Add	450.13	
For Aluminum, Anodized Finish, Add	1,259.59	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	493.57	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	987.14	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,566.56	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,935.69	
08 36 13 00-0071 EA 14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,554.73	708.33
For Aluminum, Mill Finish, Add	243.74	
For Aluminum, Anodized Finish, Add	682.05	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	267.26	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	534.52	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,389.76	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,672.61	
08 36 13 00-0072 EA 14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,408.12	871.78
For Aluminum, Mill Finish, Add	303.76	
For Aluminum, Anodized Finish, Add	849.99	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	333.07	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	666.14	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,731.96	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,330.69	
08 36 13 00-0073 EA 14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,363.18	1,089.73
For Aluminum, Mill Finish, Add	362.94	
For Aluminum, Anodized Finish, Add	1,015.60	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	397.96	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	795.93	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,069.41	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,979.64	
08 36 13 00-0074 EA 14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,320.37	1,253.19
For Aluminum, Mill Finish, Add	434.80	
For Aluminum, Anodized Finish, Add	1,216.67	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	476.75	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	953.50	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,479.10	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,767.50	
08 36 13 00-0075 EA 14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,254.20	1,416.65
For Aluminum, Mill Finish, Add	503.98	
For Aluminum, Anodized Finish, Add	1,410.27	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	552.61	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,105.23	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,873.59	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	5,526.13	
08 36 13 00-0076 EA 16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,257.50	871.78
For Aluminum, Mill Finish, Add	286.59	
For Aluminum, Anodized Finish, Add	801.94	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	314.24	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	628.48	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,634.05	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,142.41	

**08 Openings****08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0077	EA		16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,480.18	1,089.73
			<i>For Aluminum, Mill Finish, Add</i>	376.28	
			<i>For Aluminum, Anodized Finish, Add</i>	1,052.93	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	412.59	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	825.18	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,145.46	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,125.89	
08 36 13 00-0078	EA		16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,399.35	1,253.19
			<i>For Aluminum, Mill Finish, Add</i>	443.80	
			<i>For Aluminum, Anodized Finish, Add</i>	1,241.86	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	486.62	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	973.25	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,530.44	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,866.23	
08 36 13 00-0079	EA		16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,324.39	1,416.65
			<i>For Aluminum, Mill Finish, Add</i>	511.98	
			<i>For Aluminum, Anodized Finish, Add</i>	1,432.66	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	561.39	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,122.77	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,919.21	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,613.86	
08 36 13 00-0080	EA		16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,661.15	1,634.59
			<i>For Aluminum, Mill Finish, Add</i>	614.68	
			<i>For Aluminum, Anodized Finish, Add</i>	1,720.03	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	673.99	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,347.99	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,504.76	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,739.93	
08 36 13 00-0081	EA		18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,912.75	1,089.73
			<i>For Aluminum, Mill Finish, Add</i>	311.59	
			<i>For Aluminum, Anodized Finish, Add</i>	871.92	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	341.66	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	683.32	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,776.63	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,416.60	
08 36 13 00-0082	EA		18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,087.84	1,253.19
			<i>For Aluminum, Mill Finish, Add</i>	408.29	
			<i>For Aluminum, Anodized Finish, Add</i>	1,142.49	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	447.68	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	895.37	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,327.96	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,476.84	
08 36 13 00-0083	EA		18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,067.00	1,416.65
			<i>For Aluminum, Mill Finish, Add</i>	482.64	
			<i>For Aluminum, Anodized Finish, Add</i>	1,350.55	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	529.21	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,058.43	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,751.91	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,292.13	
08 36 13 00-0084	EA		18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,810.31	1,634.59
			<i>For Aluminum, Mill Finish, Add</i>	631.69	
			<i>For Aluminum, Anodized Finish, Add</i>	1,767.61	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	692.64	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,385.28	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,601.72	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,926.38	
08 36 13 00-0085	EA		18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,654.22	1,852.54
			<i>For Aluminum, Mill Finish, Add</i>	678.20	
			<i>For Aluminum, Anodized Finish, Add</i>	1,897.77	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	743.64	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,487.28	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,866.92	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,436.39	
08 36 13 00-0086	EA		20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,060.06	1,253.19
			<i>For Aluminum, Mill Finish, Add</i>	405.12	
			<i>For Aluminum, Anodized Finish, Add</i>	1,133.63	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	444.21	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	888.42	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,309.90	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,442.11	
08 36 13 00-0087	EA		20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,131.37	1,416.65
			<i>For Aluminum, Mill Finish, Add</i>	489.98	
			<i>For Aluminum, Anodized Finish, Add</i>	1,371.08	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	537.26	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,074.52	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,793.75	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,372.59	
08 36 13 00-0088	EA		20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,110.10	1,634.59
			<i>For Aluminum, Mill Finish, Add</i>	665.86	
			<i>For Aluminum, Anodized Finish, Add</i>	1,863.24	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	730.11	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,460.22	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,796.58	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,301.11	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0089	EA			20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,921.84	1,852.54
				<i>For Aluminum, Mill Finish, Add</i>	708.71	
				<i>For Aluminum, Anodized Finish, Add</i>	1,983.14	
				<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	777.09	
				<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,554.18	
				<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,040.87	
				<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,770.91	
08 36 13 00-0090	EA			20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,523.28	2,070.49
				<i>For Aluminum, Mill Finish, Add</i>	841.58	
				<i>For Aluminum, Anodized Finish, Add</i>	2,354.94	
				<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	922.78	
				<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,845.57	
				<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,798.48	
				<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	9,227.84	
08 36 13 00-0091	EA			22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,650.22	1,416.65
				<i>For Aluminum, Mill Finish, Add</i>	435.13	
				<i>For Aluminum, Anodized Finish, Add</i>	1,217.60	
				<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	477.12	
				<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	954.23	
				<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,481.00	
				<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,771.15	
08 36 13 00-0092	EA			22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,218.04	1,634.59
				<i>For Aluminum, Mill Finish, Add</i>	564.17	
				<i>For Aluminum, Anodized Finish, Add</i>	1,578.68	
				<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	618.60	
				<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,237.21	
				<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,216.74	
				<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,186.04	
08 36 13 00-0093	EA			22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,760.99	1,852.54
				<i>For Aluminum, Mill Finish, Add</i>	690.37	
				<i>For Aluminum, Anodized Finish, Add</i>	1,931.83	
				<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	756.99	
				<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,513.97	
				<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,936.32	
				<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,569.85	
08 36 13 00-0094	EA			22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,969.03	2,070.49
				<i>For Aluminum, Mill Finish, Add</i>	778.39	
				<i>For Aluminum, Anodized Finish, Add</i>	2,178.14	
				<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	853.50	
				<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,707.01	
				<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,438.21	
				<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	8,535.03	
08 36 13 00-0095	EA			22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	12,511.92	2,288.44
				<i>For Aluminum, Mill Finish, Add</i>	904.60	
				<i>For Aluminum, Anodized Finish, Add</i>	2,531.28	
				<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	991.88	
				<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,983.77	
				<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,157.79	
				<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	9,918.83	
08 36 13 00-0096	EA			24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,409.32	1,634.59
				<i>For Aluminum, Mill Finish, Add</i>	471.97	
				<i>For Aluminum, Anodized Finish, Add</i>	1,320.70	
				<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	517.51	
				<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,035.03	
				<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,691.07	
				<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,175.14	
08 36 13 00-0097	EA			24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,139.47	1,852.54
				<i>For Aluminum, Mill Finish, Add</i>	619.52	
				<i>For Aluminum, Anodized Finish, Add</i>	1,733.56	
				<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	679.30	
				<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,358.59	
				<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,532.33	
				<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,792.95	
08 36 13 00-0098	EA			24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,599.06	2,070.49
				<i>For Aluminum, Mill Finish, Add</i>	736.22	
				<i>For Aluminum, Anodized Finish, Add</i>	2,060.12	
				<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	807.26	
				<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,614.51	
				<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,197.73	
				<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	8,072.56	
08 36 13 00-0099	EA			24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	12,144.87	2,288.44
				<i>For Aluminum, Mill Finish, Add</i>	862.75	
				<i>For Aluminum, Anodized Finish, Add</i>	2,414.20	
				<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	946.00	
				<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,892.00	
				<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,919.21	
				<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	9,460.01	
08 36 13 00-0100	EA			24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	13,665.87	2,506.38
				<i>For Aluminum, Mill Finish, Add</i>	986.46	
				<i>For Aluminum, Anodized Finish, Add</i>	2,760.35	
				<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,081.64	
				<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,163.28	
				<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,624.53	
				<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	10,816.40	

**08 Openings****08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 36 13 00-0101	<b>Residential Grade, Galvanized Steel Sectional Overhead Doors</b> (08 36 13 00-0013) Note: Includes track and hardware. Excludes frame.		
08 36 13 00-0102	EA 9' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	875.44	217.95
	For Aluminum And Fiberglass, Add	102.48	
	For Each Glass Vision Panel In Door, Add	50.00	
	For Insulated Door, Add	119.01	
08 36 13 00-0103	EA 9' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	934.76	217.95
	For Aluminum And Fiberglass, Add	120.87	
	For Each Glass Vision Panel In Door, Add	50.00	
	For Insulated Door, Add	140.36	
08 36 13 00-0104	EA 16' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,168.69	249.33
	For Aluminum And Fiberglass, Add	169.48	
	For Each Glass Vision Panel In Door, Add	50.00	
	For Insulated Door, Add	196.81	
08 36 13 00-0105	EA 16' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,261.90	249.33
	For Aluminum And Fiberglass, Add	198.37	
	For Each Glass Vision Panel In Door, Add	50.00	
	For Insulated Door, Add	230.37	
08 36 13 00-0106	<b>Removal And Reinstallation Of Sectional Metal Overhead Doors And Supports</b> (08 36 13 00-0013) Note: Includes storage, cleaning and supply materials.		
08 36 13 00-0107	SF Removal And Reinstallation Of Sectional Metal Overhead Door And Supports.....	15.73	
08 36 13 00-0108	<b>Sectional Fiberglass Overhead Doors (Width x Height)</b> (08 36 13)		
08 36 13 00-0109	<b>Fiberglass Sectional Overhead Doors</b> (08 36 13 00-0108)		
08 36 13 00-0110	<b>Non-Insulated, Fiberglass Sectional Doors</b> (08 36 13 00-0109) Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0111	EA 8' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	2,253.12	381.41
08 36 13 00-0112	EA 8' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	2,668.38	435.90
08 36 13 00-0113	EA 8' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,168.19	544.86
08 36 13 00-0114	EA 10' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	2,638.97	435.90
08 36 13 00-0115	EA 10' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,137.58	490.38
08 36 13 00-0116	EA 10' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,938.18	681.09
08 36 13 00-0117	EA 10' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	4,743.07	871.78
08 36 13 00-0118	EA 12' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,126.53	544.86
08 36 13 00-0119	EA 12' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,921.02	681.09
08 36 13 00-0120	EA 12' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	4,705.40	817.30
08 36 13 00-0121	EA 12' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	5,760.41	1,089.73
08 36 13 00-0122	EA 12' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	6,712.63	1,307.68
08 36 13 00-0123	EA 14' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,831.79	762.81
08 36 13 00-0124	EA 14' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	4,640.13	871.78
08 36 13 00-0125	EA 14' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	5,672.17	1,089.73
08 36 13 00-0126	EA 14' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	6,702.82	1,307.68
08 36 13 00-0127	EA 14' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	7,518.29	1,416.65
08 36 13 00-0128	EA 16' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	4,353.36	871.78
08 36 13 00-0129	EA 16' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	5,218.77	980.76
08 36 13 00-0130	EA 16' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	6,317.36	1,198.71
08 36 13 00-0131	EA 16' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	7,403.09	1,416.65
08 36 13 00-0132	EA 16' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	8,271.43	1,525.62
08 36 13 00-0133	<b>Insulated, Fiberglass Sectional Doors</b> (08 36 13 00-0109) Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.		
08 36 13 00-0134	EA 8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,744.89	381.41
08 36 13 00-0135	EA 8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,261.25	435.90
08 36 13 00-0136	EA 8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,854.09	544.86
08 36 13 00-0137	EA 10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,222.14	435.90
08 36 13 00-0138	EA 10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,849.35	490.38
08 36 13 00-0139	EA 10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,788.27	681.09
08 36 13 00-0140	EA 10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,733.08	871.78
08 36 13 00-0141	EA 12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,798.67	544.86
08 36 13 00-0142	EA 12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,765.45	681.09
08 36 13 00-0143	EA 12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,718.87	817.30
08 36 13 00-0144	EA 12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,942.12	1,089.73
08 36 13 00-0145	EA 12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	8,065.00	1,307.68
08 36 13 00-0146	EA 14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,592.91	762.81
08 36 13 00-0147	EA 14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,596.17	871.78
08 36 13 00-0148	EA 14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,824.77	1,089.73
08 36 13 00-0149	EA 14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	8,051.96	1,307.68
08 36 13 00-0150	EA 14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	9,064.79	1,416.65
08 36 13 00-0151	EA 16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,214.77	871.78
08 36 13 00-0152	EA 16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,293.71	980.76
08 36 13 00-0153	EA 16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	7,610.69	1,198.71
08 36 13 00-0154	EA 16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	8,911.57	1,416.65
08 36 13 00-0155	EA 16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	9,994.25	1,525.62



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 36 13 00-0156 Sectional Overhead Door Accessories** (08 36 13)

**08 36 13 00-0157 Sectional Overhead Door Accessories** (08 36 13 00-0156)

08 36 13 00-0158	LF	Flap Seal For Sectional Overhead Doors .....		4.25	
08 36 13 00-0159	LF	Weather Seal At Top Of Door For Sectional Overhead Doors.....		6.22	
08 36 13 00-0160	LF	Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors.....		3.36	
08 36 13 00-0161	EA	Cylinder Lock For Sectional Overhead Doors.....		384.95	
08 36 13 00-0162	EA	Manual Chain Hoist For Sectional Overhead Doors .....		565.77	
08 36 13 00-0163	EA	3/4 HP, Electric Chain Lift Operator For Sectional Overhead Doors.....		2,510.68	
		<i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>			
08 36 13 00-0164	EA	1/2 HP Trolley Operator For Sectional Overhead Doors.....		1,041.03	
		<i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>			
08 36 13 00-0165	EA	3/4 HP Trolley Operator For Sectional Overhead Doors.....		1,322.60	
		<i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>			
		<i>For Door Height &gt;12', Add</i>		<i>10.00</i>	
		<i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>			
08 36 13 00-0166	SF	Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....		36.69	
		<i>Note: Additional cost for factory supplied.</i>			
08 36 13 00-0167	SF	>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....		22.88	
		<i>Note: Additional cost for factory supplied.</i>			
08 36 13 00-0168	SF	Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors .....		38.36	
		<i>Note: Additional cost for factory supplied.</i>			
08 36 13 00-0169	SF	>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors.....		26.15	
		<i>Note: Additional cost for factory supplied.</i>			
08 36 13 00-0170	SF	Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors .....		61.70	
		<i>Note: Additional cost for factory supplied.</i>			
08 36 13 00-0171	SF	>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors.....		41.65	
		<i>Note: Additional cost for factory supplied.</i>			
08 36 13 00-0172	EA	Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door .....		550.03	
		<i>Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.</i>			
08 36 13 00-0173	EA	Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door .....		856.02	
		<i>Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.</i>			
08 36 13 00-0174	EA	Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door .....		1,270.19	
		<i>Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.</i>			
08 36 13 00-0175	SF	25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....		1.60	
		<i>Note: Additional cost for factory supplied/installed spring. Per SF of Door.</i>			
08 36 13 00-0176	SF	50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....		2.06	
		<i>Note: Additional cost for factory supplied/installed spring. Per SF of Door.</i>			
08 36 13 00-0177	SF	100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....		2.73	
		<i>Note: Additional cost for factory supplied/installed spring. Per SF of Door.</i>			

**08 38 Traffic Doors** (08 38)

**08 38 13 Flexible Strip Doors** (08 38)

**08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Strip Doors** (08 38 13)

08 38 13 00-0002	SF	8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....		21.61	6.54
		<i>For Cooler/Freezer Doors, USDA Grade, Add</i>			
				<i>0.74</i>	
		<i>Note: Low temperature to -40 degree F.</i>			
		<i>For Ribbed Strip Material, Add</i>			
				<i>1.56</i>	
08 38 13 00-0003	SF	8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....		30.11	8.72
		<i>For Cooler/Freezer Doors, USDA Grade, Add</i>			
				<i>1.05</i>	
		<i>Note: Low temperature to -40 degree F.</i>			
		<i>For Ribbed Strip Material, Add</i>			
				<i>2.20</i>	
08 38 13 00-0004	SF	12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....		19.18	5.45
		<i>For Cooler/Freezer Doors, USDA Grade, Add</i>			
				<i>0.94</i>	
		<i>Note: Low temperature to -40 degree F.</i>			
		<i>For Ribbed Strip Material, Add</i>			
				<i>1.97</i>	
08 38 13 00-0005	SF	12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....		24.84	5.99
		<i>For Cooler/Freezer Doors, USDA Grade, Add</i>			
				<i>1.18</i>	
		<i>Note: Low temperature to -40 degree F.</i>			
		<i>For Ribbed Strip Material, Add</i>			
				<i>2.47</i>	
08 38 13 00-0006	SF	16" Smooth Strip, 0.160" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....		20.63	5.45
		<i>For Cooler/Freezer Doors, USDA Grade, Add</i>			
				<i>1.19</i>	
		<i>Note: Low temperature to -40 degree F.</i>			
		<i>For Ribbed Strip Material, Add</i>			
				<i>2.50</i>	

**08 38 13 00-0007 Clear Polyvinyl Chloride (PVC) Replacement Strips** (08 38 13)

08 38 13 00-0008	EA	8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip .....		67.32	30.73
		<i>For Cooler/Freezer Doors, USDA Grade, Add</i>			
				<i>1.72</i>	
		<i>Note: Low temperature to -40 degree F.</i>			
		<i>For Ribbed Strip Material, Add</i>			
				<i>3.61</i>	
08 38 13 00-0009	EA	8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip .....		69.73	30.73
		<i>For Cooler/Freezer Doors, USDA Grade, Add</i>			
				<i>1.96</i>	
		<i>Note: Low temperature to -40 degree F.</i>			
		<i>For Ribbed Strip Material, Add</i>			
				<i>4.12</i>	

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 13 00-0010	EA		12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip ..... <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i>	102.32 4.02	38.03
			<i>For Ribbed Strip Material, Add</i>	8.44	
08 38 13 00-0011	EA		12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip ..... <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i>	110.48 4.84	38.03
			<i>For Ribbed Strip Material, Add</i>	10.16	
08 38 13 00-0012	EA		12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip ..... <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i>	118.14 5.60	38.03
			<i>For Ribbed Strip Material, Add</i>	11.76	
08 38 13 00-0013	EA		16" Smooth Strip, 0.160" Thick, 14' Long, Replacement Strip ..... <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i>	208.88 13.12	38.79
			<i>For Ribbed Strip Material, Add</i>	27.56	
<b>08 38 16</b>			<b>Flexible Traffic Doors</b> <small>(08 38)</small>		
			<i>Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.</i>		
08 38 16 00-0001			0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) <small>(08 38 16)</small>		
08 38 16 00-0002			Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors <small>(08 38 16 00-0001)</small>		
08 38 16 00-0003			Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors <small>(08 38 16 00-0002)</small>		
08 38 16 00-0004	EA		72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	5,926.13	108.97
08 38 16 00-0005	EA		72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	6,416.80	108.97
08 38 16 00-0006	EA		96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	13,488.59	125.32
08 38 16 00-0007	EA		96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	15,142.40	136.22
08 38 16 00-0008	EA		108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	23,633.87	136.22
08 38 16 00-0009	EA		108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	24,732.36	136.22
08 38 16 00-0010	EA		120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	27,512.80	163.46
08 38 16 00-0011			Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors <small>(08 38 16 00-0002)</small>		
08 38 16 00-0012	EA		72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	6,609.21	108.97
08 38 16 00-0013	EA		72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	7,155.63	108.97
08 38 16 00-0014	EA		96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	16,004.70	125.32
08 38 16 00-0015	EA		96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	17,647.33	136.22
08 38 16 00-0016	EA		108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	26,506.68	136.22
08 38 16 00-0017	EA		108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	27,624.08	136.22
08 38 16 00-0018	EA		120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	30,729.92	163.46
08 38 16 00-0019			0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliason FMP) <small>(08 38 16)</small>		
			<i>Note: Includes pebble embossed finish and a 14" x 16" vinyl window.</i>		
08 38 16 00-0020			Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0019)</small>		
08 38 16 00-0021			84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0020)</small>		
08 38 16 00-0022	EA		24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors .....	1,364.84	59.93
08 38 16 00-0023	EA		40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors .....	1,469.71	59.93
08 38 16 00-0024			96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0020)</small>		
08 38 16 00-0025	EA		24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors .....	1,469.71	59.93
08 38 16 00-0026	EA		40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors .....	1,499.29	59.93
08 38 16 00-0027			Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0019)</small>		
08 38 16 00-0028			84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0027)</small>		
08 38 16 00-0029	EA		48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors .....	2,696.99	103.52
08 38 16 00-0030	EA		80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors .....	2,906.73	103.52





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 16 00-0031 96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0027)</small>		
08 38 16 00-0032 EA 48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	2,906.73	103.52
08 38 16 00-0033 EA 80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	2,965.88	103.52
<b>08 38 19 Rigid Traffic Doors</b> <small>(08 38)</small>		
<small>Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.</small>		
08 38 19 00-0001 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3) <small>(08 38 19)</small>		
<small>Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.</small>		
08 38 19 00-0002 Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0001)</small>		
08 38 19 00-0003 84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0002)</small>		
08 38 19 00-0004 EA 24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	679.16	59.93
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0005 EA 28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	727.56	59.93
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0006 EA 30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	751.84	62.66
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0007 EA 32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	781.41	62.66
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0008 EA 36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	816.47	65.38
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0009 EA 40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	881.01	65.38
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0010 EA 42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	916.14	73.56
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0011 96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0002)</small>		
08 38 19 00-0012 EA 24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	762.52	59.93
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0013 EA 28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	800.16	59.93
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0014 EA 30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	827.13	62.66
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0015 EA 32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	848.64	62.66
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0016 EA 36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	926.72	65.38
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 38 19 00-0017	EA	40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	942.85		65.38
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0018	EA	42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	975.30		73.56
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0019		Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0001)			
08 38 19 00-0020		84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0019)			
08 38 19 00-0021	EA	48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,325.62		103.52
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0022	EA	56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,422.43		103.52
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0023	EA	60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,460.07		103.52
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0024	EA	64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,519.23		103.52
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0025	EA	72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,589.31		108.97
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0026	EA	80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,718.38		108.97
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0027	EA	84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,756.03		108.97
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0028		96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0019)			
08 38 19 00-0029	EA	48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,492.34		103.52
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0030	EA	56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,567.63		103.52
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0031	EA	60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,610.65		103.52
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0032	EA	64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,653.68		103.52
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0033	EA	72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,809.81		108.97
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 38 19 00-0034	EA		80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,842.08	108.97
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
	08 38 19 00-0035	EA		84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,874.34	108.97
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
	08 38 19 00-0036			<b>3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus)</b> <small>(08 38 19)</small>		
				Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.		
	08 38 19 00-0037			<b>Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0036)</small>		
	08 38 19 00-0038			<b>84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors</b>		
				<small>(08 38 19 00-0037)</small>		
	08 38 19 00-0039	EA		24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,173.93	59.93
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
	08 38 19 00-0040	EA		28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,300.31	59.93
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
	08 38 19 00-0041	EA		30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,356.85	62.66
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
	08 38 19 00-0042	EA		32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,410.63	62.66
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
	08 38 19 00-0043	EA		36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,432.24	65.38
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
	08 38 19 00-0044	EA		40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,542.49	65.38
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
	08 38 19 00-0045	EA		42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,658.29	73.56
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
	08 38 19 00-0046	EA		44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,677.11	73.56
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
	08 38 19 00-0047			<b>96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors</b>		
				<small>(08 38 19 00-0037)</small>		
	08 38 19 00-0048	EA		24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,281.49	59.93
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
	08 38 19 00-0049	EA		28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,413.24	59.93
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
	08 38 19 00-0050	EA		30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,469.79	62.66
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
	08 38 19 00-0051	EA		32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,537.01	62.66
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
	08 38 19 00-0052	EA		36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,590.89	65.38
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
	08 38 19 00-0053	EA		40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,698.45	65.38
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
	08 38 19 00-0054	EA		42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,757.78	73.56
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
	08 38 19 00-0055	EA		44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,825.00	73.56
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
	08 38 19 00-0056			<b>Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0056)</small>		
	08 38 19 00-0057			<b>84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0056)</small>		
				<small>(08 38 19 00-0056)</small>		
	08 38 19 00-0058	EA		48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	2,315.16	103.52
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
	08 38 19 00-0059	EA		56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	2,567.92	103.52
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
	08 38 19 00-0060	EA		60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	2,670.10	103.52
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0061	EA		64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	2,777.66	103.52
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0062	EA		72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	2,820.85	108.97
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0063	EA		80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,041.35	108.97
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0064	EA		84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,240.33	108.97
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0065	EA		88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,277.98	108.97
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
<b>08 38 19 00-0066</b>			<b>96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic</b>		
			<b>Doors</b> <small>(08 38 19 00-0066)</small>		
08 38 19 00-0067	EA		48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	2,530.27	103.52
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0068	EA		56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	2,793.79	103.52
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0069	EA		60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	2,895.97	103.52
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0070	EA		64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,030.42	103.52
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0071	EA		72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,138.15	108.97
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0072	EA		80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,353.27	108.97
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0073	EA		84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,439.31	108.97
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0074	EA		88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,573.76	108.97
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
<b>08 38 19 00-0075</b>			<b>3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic</b>		
			<b>Doors (Eliaison PMP-2)</b> <small>(08 38 19)</small>		
			Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.		
<b>08 38 19 00-0076</b>			<b>Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS)</b>		
			<b>Impact Traffic Doors</b> <small>(08 38 19 00-0076)</small>		
<b>08 38 19 00-0077</b>			<b>84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene</b>		
			<b>Styrene (ABS) Impact Traffic Doors</b> <small>(08 38 19 00-0077)</small>		
08 38 19 00-0078	EA		24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	2,673.91	59.93
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0079	EA		28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	3,042.28	59.93
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0080	EA		30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	3,145.96	62.66
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0081	EA		32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	3,182.80	62.66
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0082	EA		36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	3,225.12	65.38
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0083	EA		40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	3,568.93	65.38
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0084	EA		42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	3,867.66	73.56
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0085	EA		44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	3,910.64	73.56
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
<b>08 38 19 00-0086</b>			<b>96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene</b>		
			<b>Styrene (ABS) Impact Traffic Doors</b> <small>(08 38 19 00-0086)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0087 EA 24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,753.72 6.00 19.00	59.93
08 38 19 00-0088 EA 28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,208.05 6.00 19.00	59.93
08 38 19 00-0089 EA 30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,317.87 6.00 19.00	62.66
08 38 19 00-0090 EA 32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,366.99 6.00 19.00	62.66
08 38 19 00-0091 EA 36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,384.75 6.00 19.00	65.38
08 38 19 00-0092 EA 40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,636.47 6.00 19.00	65.38
08 38 19 00-0093 EA 42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,929.06 6.00 19.00	73.56
08 38 19 00-0094 EA 44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,978.17 6.00 19.00	73.56
<b>08 38 19 00-0095 Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b> <small>(08 38 19 00-0075)</small>		
<b>08 38 19 00-0096 84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b> <small>(08 38 19 00-0095)</small>		
08 38 19 00-0097 EA 48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	5,315.12 6.00 19.00	103.52
08 38 19 00-0098 EA 56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,051.86 6.00 19.00	103.52
08 38 19 00-0099 EA 60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,248.33 6.00 19.00	103.52
08 38 19 00-0100 EA 64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,322.00 6.00 19.00	103.52
08 38 19 00-0101 EA 72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,406.61 6.00 19.00	108.97
08 38 19 00-0102 EA 80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,094.23 6.00 19.00	108.97
08 38 19 00-0103 EA 84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,659.07 6.00 19.00	108.97
08 38 19 00-0104 EA 88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,745.03 6.00 19.00	108.97
<b>08 38 19 00-0105 96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b> <small>(08 38 19 00-0095)</small>		
08 38 19 00-0106 EA 48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	5,474.75 6.00 19.00	103.52
08 38 19 00-0107 EA 56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,383.40 6.00 19.00	103.52
08 38 19 00-0108 EA 60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,592.14 6.00 19.00	103.52
08 38 19 00-0109 EA 64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,690.37 6.00 19.00	103.52
08 38 19 00-0110 EA 72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,725.86 6.00 19.00	108.97
08 38 19 00-0111 EA 80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,229.30 6.00 19.00	108.97
08 38 19 00-0112 EA 84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,781.86 6.00 19.00	108.97
08 38 19 00-0113 EA 88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,880.10 6.00 19.00	108.97

<b>08</b>	<b>08</b>	<b>Openings</b>
	<b>08 30</b>	<b>Specialty Doors and Frames</b>
	<b>08 38</b>	<b>Traffic Doors</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 38 19 00-0114	1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Elison SCP-2) <small>(08 38 19)</small> Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.		
08 38 19 00-0115	Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0114)</small>		
08 38 19 00-0116	84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0115)</small>		
08 38 19 00-0117	EA 24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add ..... For Each 18" x 30" Window, Add .....	1,561.14 22.00 28.00 41.00	59.93
08 38 19 00-0118	EA 28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add ..... For Each 18" x 30" Window, Add .....	1,703.65 22.00 28.00 41.00	59.93
08 38 19 00-0119	EA 30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add ..... For Each 18" x 30" Window, Add .....	1,746.75 22.00 28.00 41.00	62.66
08 38 19 00-0120	EA 32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add ..... For Each 18" x 30" Window, Add .....	1,781.70 22.00 28.00 41.00	62.66
08 38 19 00-0121	EA 36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add ..... For Each 18" x 30" Window, Add .....	1,846.34 22.00 28.00 41.00	65.38
08 38 19 00-0122	EA 40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add ..... For Each 18" x 30" Window, Add .....	1,913.56 22.00 28.00 41.00	65.38
08 38 19 00-0123	EA 42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add ..... For Each 18" x 30" Window, Add .....	1,983.65 22.00 28.00 41.00	73.56
08 38 19 00-0124	EA 44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add ..... For Each 18" x 30" Window, Add .....	2,029.36 22.00 28.00 41.00	73.56
08 38 19 00-0125	96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0115)</small>		
08 38 19 00-0126	EA 24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add ..... For Each 18" x 30" Window, Add .....	1,682.14 22.00 28.00 41.00	59.93
08 38 19 00-0127	EA 28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add ..... For Each 18" x 30" Window, Add .....	1,832.72 22.00 28.00 41.00	59.93
08 38 19 00-0128	EA 30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add ..... For Each 18" x 30" Window, Add .....	1,878.51 22.00 28.00 41.00	62.66
08 38 19 00-0129	EA 32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add ..... For Each 18" x 30" Window, Add .....	1,897.33 22.00 28.00 41.00	62.66
08 38 19 00-0130	EA 36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add ..... For Each 18" x 30" Window, Add .....	1,956.59 22.00 28.00 41.00	65.38
08 38 19 00-0131	EA 40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add ..... For Each 18" x 30" Window, Add .....	2,045.32 22.00 28.00 41.00	65.38
08 38 19 00-0132	EA 42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add ..... For Each 18" x 30" Window, Add .....	2,104.66 22.00 28.00 41.00	73.56
08 38 19 00-0133	EA 44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add ..... For Each 18" x 30" Window, Add .....	2,150.37 22.00 28.00 41.00	73.56
08 38 19 00-0134	Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0114)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 38 19 00-0135 84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors</b> <small>(08 38 19 00-0134)</small>		
08 38 19 00-0136 EA 48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door .....	3,089.57	103.52
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0137 EA 56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door .....	3,374.60	103.52
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0138 EA 60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door .....	3,449.89	103.52
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0139 EA 64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door .....	3,519.81	103.52
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0140 EA 72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door .....	3,649.05	108.97
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0141 EA 80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door .....	3,783.50	108.97
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0142 EA 84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door .....	3,891.06	108.97
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0143 EA 88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door .....	3,982.48	108.97
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
<b>08 38 19 00-0144 96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors</b> <small>(08 38 19 00-0134)</small>		
08 38 19 00-0145 EA 48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door .....	3,331.58	103.52
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0146 EA 56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door .....	3,632.74	103.52
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0147 EA 60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door .....	3,713.41	103.52
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0148 EA 64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door .....	3,751.06	103.52
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0149 EA 72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door .....	3,869.54	108.97
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0150 EA 80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door .....	4,047.01	108.97
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0151 EA 84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door .....	4,133.06	108.97
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0152 EA 88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door .....	4,224.49	108.97
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
<b>08 38 19 00-0153 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliason HCP-10)</b> <small>(08 38 19)</small>		
Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.		
<b>08 38 19 00-0154 Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0153)</small>		
<b>08 38 19 00-0155 84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0154)</small>		
08 38 19 00-0156 EA 24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door .....	1,534.25	59.93
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 38 19 00-0157	EA 28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,612.23 6.00 19.00	59.93
08 38 19 00-0158	EA 30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,687.59 6.00 19.00	62.66
08 38 19 00-0159	EA 32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,733.30 6.00 19.00	62.66
08 38 19 00-0160	EA 36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,851.72 6.00 19.00	65.38
08 38 19 00-0161	EA 40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,943.14 6.00 19.00	65.38
08 38 19 00-0162	EA 42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,032.05 6.00 19.00	73.56
08 38 19 00-0163	EA 44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,118.10 6.00 19.00	73.56
<b>08 38 19 00-0164 90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0154)</small>			
08 38 19 00-0165	EA 24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,588.03 6.00 19.00	59.93
08 38 19 00-0166	EA 28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,682.14 6.00 19.00	59.93
08 38 19 00-0167	EA 30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,733.30 6.00 19.00	62.66
08 38 19 00-0168	EA 32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,797.84 6.00 19.00	62.66
08 38 19 00-0169	EA 36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,924.32 6.00 19.00	65.38
08 38 19 00-0170	EA 40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,034.57 6.00 19.00	65.38
08 38 19 00-0171	EA 42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,118.10 6.00 19.00	73.56
08 38 19 00-0172	EA 44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,198.77 6.00 19.00	73.56
<b>08 38 19 00-0173 96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0154)</small>			
08 38 19 00-0174	EA 24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,725.16 6.00 19.00	59.93
08 38 19 00-0175	EA 28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,743.99 6.00 19.00	59.93
08 38 19 00-0176	EA 30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,827.42 6.00 19.00	62.66
08 38 19 00-0177	EA 32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,886.57 6.00 19.00	62.66
08 38 19 00-0178	EA 36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,015.74 6.00 19.00	65.38
08 38 19 00-0179	EA 40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,147.50 6.00 19.00	65.38
08 38 19 00-0180	EA 42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,225.66 6.00 19.00	73.56
08 38 19 00-0181	EA 44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,306.33 6.00 19.00	73.56
08 38 19 00-0182	<b>Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0153)</small>		
08 38 19 00-0183	<b>84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0182)</small>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0184 EA 48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,035.80	103.52
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0185 EA 56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,191.75	103.52
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0186 EA 60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,331.58	103.52
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0187 EA 64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,423.00	103.52
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0188 EA 72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,659.81	108.97
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0189 EA 80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,842.65	108.97
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0190 EA 84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,987.86	108.97
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0191 EA 88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,159.95	108.97
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
<b>08 38 19 00-0192 90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0182)</small>		
08 38 19 00-0193 EA 48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,143.35	103.52
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0194 EA 56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,331.58	103.52
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0195 EA 60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,423.00	103.52
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0196 EA 64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,552.07	103.52
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0197 EA 72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,805.01	108.97
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0198 EA 80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,025.50	108.97
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0199 EA 84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,159.95	108.97
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0200 EA 88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,321.29	108.97
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
<b>08 38 19 00-0201 96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0182)</small>		
08 38 19 00-0202 EA 48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,417.63	103.52
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0203 EA 56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,455.27	103.52
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0204 EA 60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,611.23	103.52
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0205 EA 64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,729.54	103.52
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0206 EA 72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,987.86	108.97
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0207 EA 80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,251.37	108.97
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0208 EA 84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,375.07	108.97
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0209 EA 88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,536.40	108.97
<i>For Each 15" x 20" Window, Add</i>	6.00	
<i>For Each 18" x 30" Window, Add</i>	19.00	

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 38 19 00-0210		1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10) <sup>(08 38 19)</sup> Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.		
08 38 19 00-0211		Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <sup>(08 38 19 00-0210)</sup>		
08 38 19 00-0212		84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <sup>(08 38 19 00-0211)</sup>		
08 38 19 00-0213	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,534.25 6.00 19.00	59.93
08 38 19 00-0214	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,612.23 6.00 19.00	59.93
08 38 19 00-0215	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,687.59 6.00 19.00	62.66
08 38 19 00-0216	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,733.30 6.00 19.00	62.66
08 38 19 00-0217	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,851.72 6.00 19.00	65.38
08 38 19 00-0218	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,943.14 6.00 19.00	65.38
08 38 19 00-0219	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,032.05 6.00 19.00	73.56
08 38 19 00-0220	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,118.10 6.00 19.00	73.56
08 38 19 00-0221		90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <sup>(08 38 19 00-0211)</sup>		
08 38 19 00-0222	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,588.03 6.00 19.00	59.93
08 38 19 00-0223	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,682.14 6.00 19.00	59.93
08 38 19 00-0224	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,733.30 6.00 19.00	62.66
08 38 19 00-0225	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,797.84 6.00 19.00	62.66
08 38 19 00-0226	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,924.32 6.00 19.00	65.38
08 38 19 00-0227	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,034.57 6.00 19.00	65.38
08 38 19 00-0228	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,118.10 6.00 19.00	73.56
08 38 19 00-0229	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,198.77 6.00 19.00	73.56
08 38 19 00-0230		96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <sup>(08 38 19 00-0211)</sup>		
08 38 19 00-0231	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,725.16 6.00 19.00	59.93
08 38 19 00-0232	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,743.99 6.00 19.00	59.93
08 38 19 00-0233	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,827.42 6.00 19.00	62.66
08 38 19 00-0234	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,886.57 6.00 19.00	62.66
08 38 19 00-0235	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,015.74 6.00 19.00	65.38
08 38 19 00-0236	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,147.50 6.00 19.00	65.38



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0237	EA			42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,225.66 6.00 19.00	73.56
08 38 19 00-0238	EA			44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,306.33 6.00 19.00	73.56
<b>08 38 19 00-0239</b>				<b>Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0210)</small>		
<b>08 38 19 00-0240</b>				<b>84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0239)</small>		
08 38 19 00-0241	EA			48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,035.80 6.00 19.00	103.52
08 38 19 00-0242	EA			56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,191.75 6.00 19.00	103.52
08 38 19 00-0243	EA			60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,331.58 6.00 19.00	103.52
08 38 19 00-0244	EA			64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,423.00 6.00 19.00	103.52
08 38 19 00-0245	EA			72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,659.81 6.00 19.00	108.97
08 38 19 00-0246	EA			80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,842.65 6.00 19.00	108.97
08 38 19 00-0247	EA			84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,987.86 6.00 19.00	108.97
08 38 19 00-0248	EA			88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,159.95 6.00 19.00	108.97
<b>08 38 19 00-0249</b>				<b>90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0239)</small>		
08 38 19 00-0250	EA			48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,143.35 6.00 19.00	103.52
08 38 19 00-0251	EA			56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,331.58 6.00 19.00	103.52
08 38 19 00-0252	EA			60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,423.00 6.00 19.00	103.52
08 38 19 00-0253	EA			64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,552.07 6.00 19.00	103.52
08 38 19 00-0254	EA			72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,805.01 6.00 19.00	108.97
08 38 19 00-0255	EA			80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,025.50 6.00 19.00	108.97
08 38 19 00-0256	EA			84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,159.95 6.00 19.00	108.97
08 38 19 00-0257	EA			88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,321.29 6.00 19.00	108.97
<b>08 38 19 00-0258</b>				<b>96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0239)</small>		
08 38 19 00-0259	EA			48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,417.63 6.00 19.00	103.52
08 38 19 00-0260	EA			56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,455.27 6.00 19.00	103.52
08 38 19 00-0261	EA			60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,611.23 6.00 19.00	103.52
08 38 19 00-0262	EA			64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,729.54 6.00 19.00	103.52
08 38 19 00-0263	EA			72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,987.86 6.00 19.00	108.97

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors and Frames</b>
<b>08 38</b>	<b>Traffic Doors</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0264 EA 80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,251.37 6.00 19.00	108.97
08 38 19 00-0265 EA 84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,375.07 6.00 19.00	108.97
08 38 19 00-0266 EA 88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,536.40 6.00 19.00	108.97
<b>08 38 19 00-0267 Rigid Impact Traffic Door Accessories (08 38 19)</b>		
<b>08 38 19 00-0268 Bumper Strips For Impact Traffic Doors (08 38 19 00-0267)</b> Note: Includes two bumpers per set.		
08 38 19 00-0269 SET 24" Wide, Bumper Strips For Impact Traffic Doors .....	143.08	43.59
08 38 19 00-0270 SET 30" Wide, Bumper Strips For Impact Traffic Doors .....	156.53	43.59
08 38 19 00-0271 SET 36" Wide, Bumper Strips For Impact Traffic Doors .....	167.28	43.59
08 38 19 00-0272 SET 48" Wide, Bumper Strips For Impact Traffic Doors .....	186.10	43.59
<b>08 38 19 00-0273 Easy Spring Bumpers For Impact Traffic Doors (08 38 19 00-0267)</b> Note: Includes two bumpers per set.		
08 38 19 00-0274 SET 18" Height, Easy Spring Bumpers For Impact Traffic Doors .....	360.89	43.59
08 38 19 00-0275 SET 24" Height, Easy Spring Bumpers For Impact Traffic Doors .....	473.82	43.59
08 38 19 00-0276 SET 36" Height, Easy Spring Bumpers For Impact Traffic Doors .....	691.63	43.59
08 38 19 00-0277 SET 42" Height, Easy Spring Bumpers For Impact Traffic Doors .....	796.50	43.59
08 38 19 00-0278 SET 48" Height, Easy Spring Bumpers For Impact Traffic Doors .....	904.05	43.59
<b>08 38 19 00-0279 Scuff Plates For Impact Traffic Doors (08 38 19 00-0267)</b> Note: Includes two 0.090" thermoplastic plates per set.		
<b>08 38 19 00-0280 12" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)</b>		
08 38 19 00-0281 SET 24" Wide x 12" High, Impact Traffic Door Scuff Plates.....	167.28	43.59
08 38 19 00-0282 SET 30" Wide x 12" High, Impact Traffic Door Scuff Plates.....	178.04	43.59
08 38 19 00-0283 SET 36" Wide x 12" High, Impact Traffic Door Scuff Plates.....	191.48	43.59
08 38 19 00-0284 SET 42" Wide x 12" High, Impact Traffic Door Scuff Plates.....	210.30	43.59
08 38 19 00-0285 SET 48" Wide x 12" High, Impact Traffic Door Scuff Plates.....	221.06	43.59
<b>08 38 19 00-0286 24" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)</b>		
08 38 19 00-0287 SET 24" Wide x 24" High, Impact Traffic Door Scuff Plates.....	221.06	43.59
08 38 19 00-0288 SET 30" Wide x 24" High, Impact Traffic Door Scuff Plates.....	269.46	43.59
08 38 19 00-0289 SET 36" Wide x 24" High, Impact Traffic Door Scuff Plates.....	296.35	43.59
08 38 19 00-0290 SET 42" Wide x 24" High, Impact Traffic Door Scuff Plates.....	334.00	43.59
08 38 19 00-0291 SET 48" Wide x 24" High, Impact Traffic Door Scuff Plates.....	358.20	43.59
<b>08 38 19 00-0292 30" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)</b>		
08 38 19 00-0293 SET 24" Wide x 30" High, Impact Traffic Door Scuff Plates.....	269.46	43.59
08 38 19 00-0294 SET 30" Wide x 30" High, Impact Traffic Door Scuff Plates.....	312.49	43.59
08 38 19 00-0295 SET 36" Wide x 30" High, Impact Traffic Door Scuff Plates.....	344.75	43.59
08 38 19 00-0296 SET 42" Wide x 30" High, Impact Traffic Door Scuff Plates.....	403.91	43.59
08 38 19 00-0297 SET 48" Wide x 30" High, Impact Traffic Door Scuff Plates.....	444.24	43.59
<b>08 38 19 00-0298 36" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)</b>		
08 38 19 00-0299 SET 24" Wide x 36" High, Impact Traffic Door Scuff Plates.....	296.35	43.59
08 38 19 00-0300 SET 30" Wide x 36" High, Impact Traffic Door Scuff Plates.....	344.75	43.59
08 38 19 00-0301 SET 36" Wide x 36" High, Impact Traffic Door Scuff Plates.....	398.53	43.59
08 38 19 00-0302 SET 42" Wide x 36" High, Impact Traffic Door Scuff Plates.....	428.11	43.59
08 38 19 00-0303 SET 48" Wide x 36" High, Impact Traffic Door Scuff Plates.....	473.82	43.59
<b>08 38 19 00-0304 48" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)</b>		
08 38 19 00-0305 SET 24" Wide x 48" High, Impact Traffic Door Scuff Plates.....	358.20	43.59
08 38 19 00-0306 SET 30" Wide x 48" High, Impact Traffic Door Scuff Plates.....	444.24	43.59
08 38 19 00-0307 SET 36" Wide x 48" High, Impact Traffic Door Scuff Plates.....	473.82	43.59
08 38 19 00-0308 SET 42" Wide x 48" High, Impact Traffic Door Scuff Plates.....	530.29	43.59
08 38 19 00-0309 SET 48" Wide x 48" High, Impact Traffic Door Scuff Plates.....	592.14	43.59
<b>08 38 19 00-0310 Base Plates For Impact Traffic Doors (08 38 19 00-0267)</b> Note: Includes two base plates per set.		
<b>08 38 19 00-0311 Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)</b>		
<b>08 38 19 00-0312 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)</b>		
08 38 19 00-0313 SET 24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	161.90	43.59
08 38 19 00-0314 SET 30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	172.66	43.59
08 38 19 00-0315 SET 36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	178.04	43.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0316 SET 42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	202.24	43.59
08 38 19 00-0317 SET 48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	212.99	43.59
<b>08 38 19 00-0318 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)</b>		
08 38 19 00-0319 SET 24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	202.24	43.59
08 38 19 00-0320 SET 30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	218.37	43.59
08 38 19 00-0321 SET 36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	234.51	43.59
08 38 19 00-0322 SET 42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	247.95	43.59
08 38 19 00-0323 SET 48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	269.46	43.59
<b>08 38 19 00-0324 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)</b>		
08 38 19 00-0325 SET 24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	229.13	43.59
08 38 19 00-0326 SET 30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	242.57	43.59
08 38 19 00-0327 SET 36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	274.84	43.59
08 38 19 00-0328 SET 42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	309.80	43.59
08 38 19 00-0329 SET 48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	325.93	43.59
<b>08 38 19 00-0330 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)</b>		
08 38 19 00-0331 SET 24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	242.57	43.59
08 38 19 00-0332 SET 30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	269.46	43.59
08 38 19 00-0333 SET 36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	309.80	43.59
08 38 19 00-0334 SET 42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	342.06	43.59
08 38 19 00-0335 SET 48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	360.89	43.59
<b>08 38 19 00-0336 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)</b>		
08 38 19 00-0337 SET 24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	304.42	43.59
08 38 19 00-0338 SET 30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	342.06	43.59
08 38 19 00-0339 SET 36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	393.15	43.59
08 38 19 00-0340 SET 42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	417.35	43.59
08 38 19 00-0341 SET 48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	449.62	43.59
<b>08 38 19 00-0342 Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)</b>		
<b>08 38 19 00-0343 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)</b>		
08 38 19 00-0344 SET 24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	210.30	43.59
08 38 19 00-0345 SET 30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	221.06	43.59
08 38 19 00-0346 SET 36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	253.33	43.59
08 38 19 00-0347 SET 42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	269.46	43.59
08 38 19 00-0348 SET 48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	315.17	43.59
<b>08 38 19 00-0349 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)</b>		
08 38 19 00-0350 SET 24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	285.60	43.59
08 38 19 00-0351 SET 30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	334.00	43.59
08 38 19 00-0352 SET 36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	382.40	43.59
08 38 19 00-0353 SET 42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	441.55	43.59
08 38 19 00-0354 SET 48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	495.33	43.59
<b>08 38 19 00-0355 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)</b>		
08 38 19 00-0356 SET 24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	323.24	43.59
08 38 19 00-0357 SET 30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	387.78	43.59
08 38 19 00-0358 SET 36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	446.93	43.59
08 38 19 00-0359 SET 42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	508.78	43.59
08 38 19 00-0360 SET 48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	581.38	43.59
<b>08 38 19 00-0361 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)</b>		
08 38 19 00-0362 SET 24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	371.64	43.59
08 38 19 00-0363 SET 30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	441.55	43.59
08 38 19 00-0364 SET 36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	522.22	43.59
08 38 19 00-0365 SET 42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	600.20	43.59
08 38 19 00-0366 SET 48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	667.43	43.59
<b>08 38 19 00-0367 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)</b>		
08 38 19 00-0368 SET 24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	457.69	43.59
08 38 19 00-0369 SET 30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	624.40	43.59
08 38 19 00-0370 SET 36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	667.43	43.59
08 38 19 00-0371 SET 42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	796.50	43.59

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 38 19 00-0372	SET	48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	871.79	43.59
<b>08 38 19 00-0373</b>		<b>One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0310)</small></b>		
<b>08 38 19 00-0374</b>		<b>12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0373)</small></b>		
08 38 19 00-0375	SET	24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	188.79	43.59
08 38 19 00-0376	SET	30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	202.24	43.59
08 38 19 00-0377	SET	36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	218.37	43.59
08 38 19 00-0378	SET	42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	237.19	43.59
08 38 19 00-0379	SET	48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	266.77	43.59
<b>08 38 19 00-0380</b>		<b>24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0373)</small></b>		
08 38 19 00-0381	SET	24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	247.95	43.59
08 38 19 00-0382	SET	30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	280.22	43.59
08 38 19 00-0383	SET	36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	312.49	43.59
08 38 19 00-0384	SET	42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	347.44	43.59
08 38 19 00-0385	SET	48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	387.78	43.59
<b>08 38 19 00-0386</b>		<b>30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0373)</small></b>		
08 38 19 00-0387	SET	24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	280.22	43.59
08 38 19 00-0388	SET	30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	320.55	43.59
08 38 19 00-0389	SET	36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	366.26	43.59
08 38 19 00-0390	SET	42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	422.73	43.59
08 38 19 00-0391	SET	48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	460.38	43.59
<b>08 38 19 00-0392</b>		<b>36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0373)</small></b>		
08 38 19 00-0393	SET	24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	312.49	43.59
08 38 19 00-0394	SET	30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	366.26	43.59
08 38 19 00-0395	SET	36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	422.73	43.59
08 38 19 00-0396	SET	42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	479.20	43.59
08 38 19 00-0397	SET	48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	519.53	43.59
<b>08 38 19 00-0398</b>		<b>48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0373)</small></b>		
08 38 19 00-0399	SET	24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	387.78	43.59
08 38 19 00-0400	SET	30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	471.13	43.59
08 38 19 00-0401	SET	36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	519.53	43.59
08 38 19 00-0402	SET	42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	616.34	43.59
08 38 19 00-0403	SET	48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	643.23	43.59
<b>08 38 19 00-0404</b>		<b>Jamb Guards For Impact Traffic Doors <small>(08 38 19 00-0267)</small></b>		
08 38 19 00-0405	EA	3" x 9", Jamb Guard For Impact Traffic Doors .....	256.15	54.48
08 38 19 00-0406	EA	5" x 18", Jamb Guard For Impact Traffic Doors .....	336.82	54.48
08 38 19 00-0407	EA	5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors.....	632.60	54.48
<b>08 38 19 00-0408</b>		<b>Other Impact Traffic Door Accessories <small>(08 38 19 00-0267)</small></b>		
08 38 19 00-0409	EA	Push Plate For Impact Traffic Doors .....	70.26	27.24
08 38 19 00-0410	EA	Pull Handle For Impact Traffic Doors .....	89.09	27.24
08 38 19 00-0411	EA	Deadbolt Lock For Impact Traffic Doors .....	204.71	27.24
08 38 19 00-0412	PR	Lock Hole Reinforcements For Impact Traffic Doors .....	253.11	27.24
08 38 19 00-0413	PR	Padlock Brackets For Impact Traffic Doors.....	107.91	27.24
<b>08 38 19 00-0414</b>		<b>Impact Traffic Door Knock Down Frames <small>(08 38 19)</small></b>		
		Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.		
<b>08 38 19 00-0415</b>		<b>Single Door, Impact Traffic Door Knock Down Frames <small>(08 38 19 00-0414)</small></b>		
<b>08 38 19 00-0416</b>		<b>84" Height, Single Door, Impact Traffic Door Knock Down Frames <small>(08 38 19 00-0415)</small></b>		
08 38 19 00-0417	EA	24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	643.73	81.73
08 38 19 00-0418	EA	28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	751.56	89.90
08 38 19 00-0419	EA	30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	771.60	95.35
08 38 19 00-0420	EA	32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	795.93	103.52
08 38 19 00-0421	EA	36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	817.13	108.97
08 38 19 00-0422	EA	40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	852.68	114.42
08 38 19 00-0423	EA	42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	880.09	119.87
08 38 19 00-0424	EA	44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	900.02	125.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 38 19 00-0425</b>	<b>90" Height, Single Door, Impact Traffic Door Knock Down Frames</b> <small>(08 38 19 00-0415)</small>		
08 38 19 00-0426	EA 24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	655.73	81.73
08 38 19 00-0427	EA 28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	765.84	89.90
08 38 19 00-0428	EA 30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	786.12	95.35
08 38 19 00-0429	EA 32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	810.65	103.52
08 38 19 00-0430	EA 36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	832.11	108.97
08 38 19 00-0431	EA 40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	868.27	114.42
08 38 19 00-0432	EA 42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	896.09	119.87
08 38 19 00-0433	EA 44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	916.26	125.32

<b>08 38 19 00-0434</b>	<b>96" Height, Single Door, Impact Traffic Door Knock Down Frames</b> <small>(08 38 19 00-0415)</small>		
08 38 19 00-0435	EA 24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	671.67	81.73
08 38 19 00-0436	EA 28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	784.82	89.90
08 38 19 00-0437	EA 30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	805.40	95.35
08 38 19 00-0438	EA 32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	825.48	103.52
08 38 19 00-0439	EA 36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	852.00	108.97
08 38 19 00-0440	EA 40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	883.87	114.42
08 38 19 00-0441	EA 42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	917.36	119.87
08 38 19 00-0442	EA 44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	939.01	122.59

<b>08 38 19 00-0443</b>	<b>Double Door, Impact Traffic Door Knock Down Frames</b> <small>(08 38 19 00-0414)</small>		
<b>08 38 19 00-0444</b>	<b>84" Height, Double Door, Impact Traffic Door Knock Down Frames</b> <small>(08 38 19 00-0443)</small>		
08 38 19 00-0445	EA 48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	913.87	125.32
08 38 19 00-0446	EA 56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	930.23	127.50
08 38 19 00-0447	EA 60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	947.63	130.77
08 38 19 00-0448	EA 64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	973.98	136.22
08 38 19 00-0449	EA 72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	992.27	141.67
08 38 19 00-0450	EA 80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,022.42	142.76
08 38 19 00-0451	EA 84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,043.47	144.39
08 38 19 00-0452	EA 88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,069.53	147.12

<b>08 38 19 00-0453</b>	<b>90" Height, Double Door, Impact Traffic Door Knock Down Frames</b> <small>(08 38 19 00-0443)</small>		
08 38 19 00-0454	EA 48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	930.43	125.32
08 38 19 00-0455	EA 56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	947.03	127.50
08 38 19 00-0456	EA 60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	964.78	130.77
08 38 19 00-0457	EA 64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	991.51	136.22
08 38 19 00-0458	EA 72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,010.02	141.67
08 38 19 00-0459	EA 80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,040.84	142.76
08 38 19 00-0460	EA 84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,062.34	144.39
08 38 19 00-0461	EA 88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,088.92	147.12

<b>08 38 19 00-0462</b>	<b>96" Height, Double Door, Impact Traffic Door Knock Down Frames</b> <small>(08 38 19 00-0443)</small>		
08 38 19 00-0463	EA 48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	949.77	125.32
08 38 19 00-0464	EA 56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	963.81	127.50
08 38 19 00-0465	EA 60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	987.56	130.77
08 38 19 00-0466	EA 64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,009.04	136.22
08 38 19 00-0467	EA 72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,033.55	141.67
08 38 19 00-0468	EA 80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,067.99	142.76
08 38 19 00-0469	EA 84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,087.40	144.39
08 38 19 00-0470	EA 88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,112.81	147.12

**08 40 Entrances, Storefronts, and Curtain Walls** (08)

**08 42 Entrances** (08 40)

**08 42 13 Aluminum-Framed Entrances** (08 42)

**08 42 13 00-0001 Aluminum Framed Entrance Doors** (08 42 13)

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. See CSI section 08 71 11 00-2139 for exit device, 08 71 11 00-2291 for closer.

08 42 13 00-0002	EA 3' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors.....	7,228.82	690.17
	Note: Including Glazing, Trim And Hardware		
	For 8' High Door, Add	712.32	
	For 10' High Door, Add	1,548.52	
	For 1" Insulated Glazing, Add	97.48	
08 42 13 00-0003	EA 3'-6" x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors.....	7,268.96	690.17
	Note: Including Glazing, Trim And Hardware		
	For 8' High Door, Add	716.94	
	For 10' High Door, Add	1,558.56	
	For 1" Insulated Glazing, Add	97.48	

**08 Openings****08 40 Entrances, Storefronts, and Curtain Walls****08 42 Entrances**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 13 00-0004	PR		6' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors..... Note: Including Glazing, Trim And Hardware	12,281.41	1,035.05
			<i>For 8' High Door, Add</i>	1,234.23	
			<i>For 10' High Door, Add</i>	2,683.10	
			<i>For 1" Insulated Glazing, Add</i>	194.96	
08 42 13 00-0005	PR		7' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors..... Note: Including Glazing, Trim And Hardware	14,256.15	1,035.05
			<i>For 8' High Door, Add</i>	1,461.32	
			<i>For 10' High Door, Add</i>	3,176.79	
			<i>For 1" Insulated Glazing, Add</i>	194.96	
08 42 13 00-0006	EA		3' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors..... Note: Including Glazing, Trim And Hardware	8,071.70	690.17
			<i>For 8' High Door, Add</i>	809.25	
			<i>For 10' High Door, Add</i>	1,759.24	
			<i>For 1" Insulated Glazing, Add</i>	97.48	
08 42 13 00-0007	EA		3'-6" x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors..... Note: Including Glazing, Trim And Hardware	8,164.02	690.17
			<i>For 8' High Door, Add</i>	819.87	
			<i>For 10' High Door, Add</i>	1,782.32	
			<i>For 1" Insulated Glazing, Add</i>	97.48	
08 42 13 00-0008	PR		6' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors..... Note: Including Glazing, Trim And Hardware	13,874.85	1,035.05
			<i>For 8' High Door, Add</i>	1,417.47	
			<i>For 10' High Door, Add</i>	3,081.46	
			<i>For 1" Insulated Glazing, Add</i>	194.96	
08 42 13 00-0009	PR		7' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors..... Note: Including Glazing, Trim And Hardware	15,803.08	1,035.05
			<i>For 8' High Door, Add</i>	1,639.22	
			<i>For 10' High Door, Add</i>	3,563.52	
			<i>For 1" Insulated Glazing, Add</i>	194.96	

**08 42 26 All-Glass Entrances (08 42)****08 42 26 00-0001****Full Glass Entrance Doors (08 42 26)**

Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.

08 42 26 00-0002	EA		3' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door..... Note: Including Trim And Hardware	4,577.56	258.69
			<i>For Anodized Color, Add</i>	637.71	
			<i>For Stainless Steel, Add</i>	2,302.83	
			<i>For 8' High Door, Add</i>	407.42	
			<i>For 10' High Door, Add</i>	885.71	
			<i>For 1" Insulated Glazing, Add</i>	97.48	
08 42 26 00-0003	PR		6' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1/2")..... Note: Including Trim And Hardware	8,167.48	310.42
			<i>For Anodized Color, Add</i>	1,204.07	
			<i>For Stainless Steel, Add</i>	4,348.03	
			<i>For 8' High Door, Add</i>	769.27	
			<i>For 10' High Door, Add</i>	1,672.32	
			<i>For 1" Insulated Glazing, Add</i>	194.96	
08 42 26 00-0004	EA		3' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door..... Note: Including Trim And Hardware	5,215.81	258.69
			<i>For Anodized Color, Add</i>	752.59	
			<i>For Stainless Steel, Add</i>	2,717.70	
			<i>For 8' High Door, Add</i>	480.82	
			<i>For 10' High Door, Add</i>	1,045.27	
			<i>For 1" Insulated Glazing, Add</i>	97.48	
08 42 26 00-0005	PR		6' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 5/8")..... Note: Including Trim And Hardware	9,541.70	310.42
			<i>For Anodized Color, Add</i>	1,451.43	
			<i>For Stainless Steel, Add</i>	5,241.28	
			<i>For 8' High Door, Add</i>	927.30	
			<i>For 10' High Door, Add</i>	2,015.88	
			<i>For 1" Insulated Glazing, Add</i>	194.96	
08 42 26 00-0006	EA		3' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door..... Note: Including Trim And Hardware	5,851.57	258.69
			<i>For Anodized Color, Add</i>	867.03	
			<i>For Stainless Steel, Add</i>	3,130.94	
			<i>For 8' High Door, Add</i>	553.94	
			<i>For 10' High Door, Add</i>	1,204.21	
			<i>For 1" Insulated Glazing, Add</i>	97.48	
08 42 26 00-0007	PR		6' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 3/4")..... Note: Including Trim And Hardware	10,913.66	310.42
			<i>For Anodized Color, Add</i>	1,698.38	
			<i>For Stainless Steel, Add</i>	6,133.05	
			<i>For 8' High Door, Add</i>	1,085.08	
			<i>For 10' High Door, Add</i>	2,358.87	
			<i>For 1" Insulated Glazing, Add</i>	194.96	
08 42 26 00-0008	EA		3' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door..... Note: Including Trim And Hardware	7,125.55	258.69
			<i>For Anodized Color, Add</i>	1,096.35	
			<i>For Stainless Steel, Add</i>	3,959.03	
			<i>For 8' High Door, Add</i>	700.44	
			<i>For 10' High Door, Add</i>	1,522.70	
			<i>For 1" Insulated Glazing, Add</i>	97.48	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 26 00-0009 PR 6' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1") ..... Note: Including Trim And Hardware <i>For Anodized Color, Add</i> <i>For Stainless Steel, Add</i> <i>For 8' High Door, Add</i> <i>For 10' High Door, Add</i> <i>For 1" Insulated Glazing, Add</i>	13,659.83  2,192.69 7,918.06 1,400.89 3,045.41 194.96	310.42
<b>08 42 26 00-0010 Frames For Full Glass Doors</b> (08 42 26)		
08 42 26 00-0011 LF Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head .....	24.74	3.10
08 42 26 00-0012 LF Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head .....	32.09	4.14
<b>08 42 29 Automatic Entrances</b> (08 42)		
<b>08 42 29 23 Sliding Automatic Entrances</b> (08 42 29)		
Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can break-out in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
<b>08 42 29 23-0001 Bronze Finished Framed Sliding Automatic Entrances</b> (08 42 29 23)		
<b>08 42 29 23-0002 2 Panel, Bronze Finished Framed Sliding Automatic Entrance</b> (08 42 29 23-0001)		
Note: Single sliding.		
08 42 29 23-0003 EA 5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,106.84 142.49 379.98	103.47
08 42 29 23-0004 EA 6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,349.30 155.24 413.98	139.69
08 42 29 23-0005 EA 7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,556.67 168.47 449.25	155.22
08 42 29 23-0006 EA 8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,758.37 181.27 483.38	170.74
08 42 29 23-0007 EA 10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,618.70 240.36 640.96	206.95
08 42 29 23-0008 EA 12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,766.78 246.03 656.09	243.17
08 42 29 23-0009 EA 15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,020.80 334.65 892.41	279.38
<b>08 42 29 23-0010 4 Panel, Bronze Finished Framed Sliding Automatic Entrance</b> (08 42 29 23-0001)		
Note: Bi-parting.		
08 42 29 23-0011 EA 12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,235.52 278.86 743.63	258.69
08 42 29 23-0012 EA 14'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,644.34 305.64 815.05	284.55
08 42 29 23-0013 EA 16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,053.14 332.42 886.46	310.42
08 42 29 23-0014 EA 18'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	6,097.20 406.85 1,084.92	336.29
08 42 29 23-0015 EA 20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	7,141.25 481.27 1,283.39	362.05
<b>08 42 29 23-0016 Aluminum Finished Framed Sliding Automatic Entrances</b> (08 42 29 23)		
<b>08 42 29 23-0017 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance</b> (08 42 29 23-0016)		
Note: Single sliding.		
08 42 29 23-0018 EA 5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	1,927.85 129.07 344.18	103.47
08 42 29 23-0019 EA 6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,154.31 140.62 374.99	139.69
08 42 29 23-0020 EA 7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,341.78 152.35 406.27	155.22
08 42 29 23-0021 EA 8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,530.67 164.19 437.84	170.74
08 42 29 23-0022 EA 9'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,923.73 190.95 509.21	188.84

**08 Openings****08 40 Entrances, Storefronts, and Curtain Walls****08 42 Entrances**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0023	EA		10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,316.80 217.72 580.58	206.95
08 42 29 23-0024	EA		12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,457.73 222.86 594.28	243.17
08 42 29 23-0025	EA		15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,600.48 303.13 808.34	279.38
<b>08 42 29 23-0026</b>			<b>4 Panel, Aluminum Finished Framed Sliding Automatic Entrance</b> (08 42 29 23-0016) Note: Bi-parting.		
08 42 29 23-0027	EA		10'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,691.00 239.96 639.90	245.75
08 42 29 23-0028	EA		12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,885.26 252.59 673.58	258.69
08 42 29 23-0029	EA		14'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,260.42 276.85 738.26	284.55
08 42 29 23-0030	EA		16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,635.57 301.10 802.95	310.42
08 42 29 23-0031	EA		18'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,586.16 368.52 982.72	336.29
08 42 29 23-0032	EA		20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	6,536.76 435.93 1,162.49	362.05
<b>08 42 29 23-0033</b>			<b>Stainless Steel Framed Sliding Automatic Entrances</b> (08 42 29 23)		
<b>08 42 29 23-0034</b>			<b>2 Panel, Stainless Steel Framed Sliding Automatic Entrance</b> (08 42 29 23-0033) Note: Single sliding.		
08 42 29 23-0035	EA		5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,409.35 165.18 440.48	103.47
08 42 29 23-0036	EA		6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,678.91 179.96 479.91	139.69
08 42 29 23-0037	EA		7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,112.17 210.13 560.35	155.22
08 42 29 23-0038	EA		8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,569.85 242.13 645.68	170.74
08 42 29 23-0039	EA		10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,129.03 278.63 743.03	206.95
08 42 29 23-0040	EA		12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,289.13 285.21 760.56	243.17
08 42 29 23-0041	EA		15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,731.35 387.94 1,034.52	279.38
<b>08 42 29 23-0042</b>			<b>4 Panel, Stainless Steel Framed Sliding Automatic Entrance</b> (08 42 29 23-0033) Note: Bi-parting.		
08 42 29 23-0043	EA		12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,827.60 323.27 862.05	258.69
08 42 29 23-0044	EA		14'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,293.25 354.31 944.83	284.55
08 42 29 23-0045	EA		16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,758.90 385.35 1,027.61	310.42
08 42 29 23-0046	EA		18'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	6,960.99 471.63 1,257.68	336.29
08 42 29 23-0047	EA		20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	8,163.08 557.91 1,487.75	362.16
<b>08 42 29 23-0048</b>			<b>Accessories For Sliding Automatic Entrances</b> (08 42 29 23) See CSI section 08 42 29 33-0006 for eye operators.		
08 42 29 23-0049	EA		Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls ..... Note: Includes motor for pair of sliding doors (2 panels).	5,485.93	1,089.73
08 42 29 23-0050	EA		Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls ..... Note: Includes motor for pair of sliding doors (4 panel).	9,135.50	1,634.59



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 42 29 23-0051 Automatic Sliding Door System</b> <small>(08 42 29 23)</small>				
	08 42 29 23-0052 SF	Entrance Technology Automatic Sliding Door System, #2000.....	142.25	10.90
	08 42 29 23-0053 SF	Entrance Technology Automatic Sliding Door System, #2010.....	149.78	10.90
	08 42 29 23-0054 SF	Entrance Technology Automatic Sliding Door System, #2020.....	157.30	10.90
	08 42 29 23-0055 SF	Entrance Technology Automatic Sliding Door System, #2030.....	172.36	10.90
<b>08 42 29 33 Swinging Automatic Entrances</b> <small>(08 42 29)</small>				
Note: Excludes glazing.				
<b>08 42 29 33-0001 Swing Door Operators, Up To 350 LB Panel Weight</b> <small>(08 42 29 33)</small>				
Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection, Stanley Magic Force or equal.				
	08 42 29 33-0002 EA	Concealed Single Door Swing Door Operator, Up To 350 LB Panel .....	3,950.25	480.20
		Note: For new storefront or existing concealed operator installations.		
	08 42 29 33-0003 EA	Concealed Pair Of Doors Swing Door Operator, Up To 350 LB Panel .....	6,940.65	640.31
		Note: For new storefront or existing concealed operator installations.		
	08 42 29 33-0004 EA	Exposed Single Door Swing Door Operator, Up To 350 LB Panel .....	3,296.66	384.16
	08 42 29 33-0005 EA	Exposed Pair Of Doors Swing Door Operator, Up To 350 LB Panel .....	6,016.56	576.25
<b>08 42 29 33-0006 Activation Devices For Door Operators</b> <small>(08 42 29 33)</small>				
	08 42 29 33-0007 EA	Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97) .....	418.06	38.42
		Note: Includes wiring harness and relays.		
	08 42 29 33-0008 EA	On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS).....	369.69	38.42
		Note: Includes wiring harness and relays.		
	08 42 29 33-0009 EA	Microwave Motion Sensor For Door Operator (MS Sedco D38) .....	373.54	38.42
		Note: Includes wiring harness and relays.		
	08 42 29 33-0010 EA	4" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59-H).....	178.20	38.42
		Note: Excludes wiring from operator to push plate.		
	08 42 29 33-0011 EA	1-1/2" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59J-H).....	192.93	38.42
		Note: Excludes wiring from operator to push button.		
	08 42 29 33-0012 EA	1-11/16" x 4-1/2", Jamb Mounted Push Button For Door Operator (MS Sedco 425) .....	119.32	38.42
		Note: Excludes wiring from operator to push button.		
	08 42 29 33-0013 EA	Radio Control System For Door Operator (MS Sedco Clearpath) .....	613.02	96.04
		Note: Includes receiver and two push plate transmitters.		
		<i>For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct</i>	<i>-64.00</i>	
	08 42 29 33-0014 EA	Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision) .....	913.16	48.02
		Note: Includes wiring harness and relays.		
	08 42 29 33-0015 EA	Guard Rail For Door With Operator .....	223.26	48.02
<b>08 42 33 Revolving Door Entrances</b> <small>(08 42)</small>				
<b>08 42 33 00-0001 Aluminum Revolving Doors</b> <small>(08 42 33)</small>				
Note: Includes 3/4" tempered glass.				
	08 42 33 00-0002 EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware.....	36,860.14	5,871.39
		<i>For Automatic Controls, Add</i>	<i>8,079.30</i>	
		<i>For Powder Coated, Add</i>	<i>1,441.80</i>	
	08 42 33 00-0003 EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware.....	49,891.54	8,807.23
		<i>For Automatic Controls, Add</i>	<i>9,693.95</i>	
		<i>For Powder Coated, Add</i>	<i>1,811.78</i>	
	08 42 33 00-0004 EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware.....	75,713.79	10,568.62
		<i>For Automatic Controls, Add</i>	<i>10,662.74</i>	
		<i>For Powder Coated, Add</i>	<i>3,204.00</i>	
	08 42 33 00-0005 EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware.....	41,017.30	6,458.48
		<i>For Automatic Controls, Add</i>	<i>8,408.82</i>	
		<i>For Powder Coated, Add</i>	<i>1,614.66</i>	
	08 42 33 00-0006 EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware.....	55,234.94	9,688.25
		<i>For Automatic Controls, Add</i>	<i>10,134.31</i>	
		<i>For Powder Coated, Add</i>	<i>2,029.00</i>	
	08 42 33 00-0007 EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware.....	84,559.16	11,625.48
		<i>For Automatic Controls, Add</i>	<i>11,308.60</i>	
		<i>For Powder Coated, Add</i>	<i>3,588.12</i>	
<b>08 42 33 00-0008 Stainless Steel Revolving Doors</b> <small>(08 42 33)</small>				
Note: Includes 3/4" tempered glass.				
	08 42 33 00-0009 EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware.....	37,815.90	5,871.39
		<i>For Automatic Controls, Add</i>	<i>8,079.30</i>	
	08 42 33 00-0010 EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware.....	51,092.56	8,807.23
		<i>For Automatic Controls, Add</i>	<i>9,693.95</i>	
	08 42 33 00-0011 EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware.....	77,837.69	10,568.62
		<i>For Automatic Controls, Add</i>	<i>10,662.74</i>	
	08 42 33 00-0012 EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware.....	42,090.19	6,458.48
		<i>For Automatic Controls, Add</i>	<i>8,408.82</i>	
	08 42 33 00-0013 EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware.....	56,583.15	9,688.25
		<i>For Automatic Controls, Add</i>	<i>10,134.31</i>	
	08 42 33 00-0014 EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware.....	86,943.36	11,625.48
		<i>For Automatic Controls, Add</i>	<i>11,308.60</i>	

**08 Openings****08 40 Entrances, Storefronts, and Curtain Walls****08 42 Entrances**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 33 00-0015			<b>Bronze Revolving Doors</b> <small>(08 42 33)</small> Note: Includes 3/4" tempered glass.		
08 42 33 00-0016	EA		4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware .....	34,445.31	5,871.39
			<i>For Automatic Controls, Add</i> .....	8,079.30	
08 42 33 00-0017	EA		5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware .....	46,857.03	8,807.23
			<i>For Automatic Controls, Add</i> .....	9,693.95	
08 42 33 00-0018	EA		6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware .....	70,347.49	10,568.62
			<i>For Automatic Controls, Add</i> .....	10,662.74	
08 42 33 00-0019	EA		4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware .....	38,315.13	6,458.48
			<i>For Automatic Controls, Add</i> .....	8,408.82	
08 42 33 00-0020	EA		5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware .....	51,839.36	9,688.25
			<i>For Automatic Controls, Add</i> .....	10,134.31	
08 42 33 00-0021	EA		6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware .....	78,554.33	11,625.48
			<i>For Automatic Controls, Add</i> .....	11,308.60	
<b>08 42 36</b>			<b>Balanced Door Entrances</b> <small>(08 42)</small>		
08 42 36 00-0001			<b>Balanced Doors, With Glass</b> <small>(08 42 36)</small> Note: Includes 3/4" tempered glass, check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.		
08 42 36 00-0002	EA		2'-6" x 7'-0" Balanced Door, Stainless Steel.....	19,616.94	305.52
			<i>For Bronze Instead Of Stainless Steel, Deduct</i> .....	-4,713.22	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i> .....	1,885.29	
			<i>For Tinted Glass, Add</i> .....	942.64	
			<i>For Aluminum, Painted Finish, Deduct</i> .....	-5,655.86	
08 42 36 00-0003	EA		3'-0" x 7'-0" Balanced Door, Stainless Steel.....	20,382.56	305.52
			<i>For Bronze Instead Of Stainless Steel, Deduct</i> .....	-4,904.63	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i> .....	1,961.85	
			<i>For Tinted Glass, Add</i> .....	980.93	
			<i>For Aluminum, Painted Finish, Deduct</i> .....	-5,885.55	
08 42 36 00-0004	EA		3'-6" x 7'-0" Balanced Door, Stainless Steel.....	22,242.04	305.52
			<i>For Bronze Instead Of Stainless Steel, Deduct</i> .....	-5,369.50	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i> .....	2,147.80	
			<i>For Tinted Glass, Add</i> .....	1,073.90	
			<i>For Aluminum, Painted Finish, Deduct</i> .....	-6,443.39	
08 42 36 00-0005	EA		4'-0" x 7'-0" Balanced Door, Stainless Steel.....	24,429.72	305.52
			<i>For Bronze Instead Of Stainless Steel, Deduct</i> .....	-5,916.42	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i> .....	2,366.57	
			<i>For Tinted Glass, Add</i> .....	1,183.28	
			<i>For Aluminum, Painted Finish, Deduct</i> .....	-7,099.70	
08 42 36 00-0006	PR		Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel .....	40,688.75	580.68
			<i>For Bronze Instead Of Stainless Steel, Deduct</i> .....	-9,809.26	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i> .....	3,923.70	
			<i>For Tinted Glass, Add</i> .....	1,961.85	
			<i>For Aluminum, Painted Finish, Deduct</i> .....	-11,771.11	
08 43			<b>Storefronts</b> <small>(08 40)</small>		
<b>08 43 13</b>			<b>Aluminum-Framed Storefronts</b> <small>(08 43)</small>		
08 43 13 00-0001			<b>Aluminum Storefront Framing Assembly</b> <small>(08 43 13)</small> Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 23-0012 for tempered glazing, 08 81 23 23-0045 for laminated glazing, 08 81 23 23-0051 for insulated glazing.		
08 43 13 00-0002			<b>1-3/4" x 4-1/2" Frame, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0003	SF		5' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.68	7.60
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.91	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	2.73	
08 43 13 00-0004	SF		6' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.97	6.84
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.82	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	2.45	
08 43 13 00-0005	SF		7' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.03	6.30
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.75	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	2.25	
08 43 13 00-0006	SF		8' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.59	5.90
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.70	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	2.10	
08 43 13 00-0007	SF		9' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.47	5.58
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.66	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	1.98	
08 43 13 00-0008	SF		10' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.57	5.34
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.63	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	1.89	
08 43 13 00-0009	SF		11' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.82	5.13
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.60	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	1.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0010 SF 12' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	17.21 0.58 1.75	4.96
<b>08 43 13 00-0011 1-3/4" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0012 SF 5' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	34.80 1.19 3.56	9.94
08 43 13 00-0013 SF 6' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	30.70 1.05 3.14	8.80
08 43 13 00-0014 SF 7' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	27.90 0.95 2.84	7.97
08 43 13 00-0015 SF 8' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	25.73 0.87 2.62	7.35
08 43 13 00-0016 SF 9' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	24.02 0.81 2.44	6.83
08 43 13 00-0017 SF 10' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	22.63 0.77 2.30	6.52
08 43 13 00-0018 SF 11' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	21.57 0.73 2.19	6.21
08 43 13 00-0019 SF 12' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	20.63 0.70 2.09	5.90
<b>08 43 13 00-0020 1-3/4" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0021 SF 5' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	42.95 1.47 4.40	12.21
08 43 13 00-0022 SF 6' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	37.58 1.28 3.84	10.66
08 43 13 00-0023 SF 7' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	33.70 1.15 3.44	9.62
08 43 13 00-0024 SF 8' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	30.78 1.05 3.14	8.80
08 43 13 00-0025 SF 9' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	28.47 0.97 2.91	8.17
08 43 13 00-0026 SF 10' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	26.70 0.91 2.72	7.66
08 43 13 00-0027 SF 11' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	25.24 0.86 2.57	7.25
08 43 13 00-0028 SF 12' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	24.01 0.81 2.44	6.93

**08 Openings****08 40 Entrances, Storefronts, and Curtain Walls****08 43 Storefronts**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 43 13 00-0029		<b>2" x 4-1/2" Frame, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.			
08 43 13 00-0030	SF	5' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	27.49		7.97
		<i>For Various Color Class I Anodized Finish, Add</i>	0.93		
		<i>For Black Color Class I Anodized Finish, Add</i>	2.79		
08 43 13 00-0031	SF	6' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.71		7.14
		<i>For Various Color Class I Anodized Finish, Add</i>	0.83		
		<i>For Black Color Class I Anodized Finish, Add</i>	2.49		
08 43 13 00-0032	SF	7' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.61		6.62
		<i>For Various Color Class I Anodized Finish, Add</i>	0.76		
		<i>For Black Color Class I Anodized Finish, Add</i>	2.28		
08 43 13 00-0033	SF	8' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.10		6.21
		<i>For Various Color Class I Anodized Finish, Add</i>	0.71		
		<i>For Black Color Class I Anodized Finish, Add</i>	2.12		
08 43 13 00-0034	SF	9' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.91		5.79
		<i>For Various Color Class I Anodized Finish, Add</i>	0.67		
		<i>For Black Color Class I Anodized Finish, Add</i>	2.00		
08 43 13 00-0035	SF	10' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.05		5.58
		<i>For Various Color Class I Anodized Finish, Add</i>	0.63		
		<i>For Black Color Class I Anodized Finish, Add</i>	1.90		
08 43 13 00-0036	SF	11' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.18		5.38
		<i>For Various Color Class I Anodized Finish, Add</i>	0.61		
		<i>For Black Color Class I Anodized Finish, Add</i>	1.82		
08 43 13 00-0037	SF	12' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.60		5.17
		<i>For Various Color Class I Anodized Finish, Add</i>	0.58		
		<i>For Black Color Class I Anodized Finish, Add</i>	1.75		
08 43 13 00-0038		<b>2" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.			
08 43 13 00-0039	SF	5' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	36.48		10.76
		<i>For Various Color Class I Anodized Finish, Add</i>	1.21		
		<i>For Black Color Class I Anodized Finish, Add</i>	3.62		
08 43 13 00-0040	SF	6' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	32.09		9.52
		<i>For Various Color Class I Anodized Finish, Add</i>	1.06		
		<i>For Black Color Class I Anodized Finish, Add</i>	3.19		
08 43 13 00-0041	SF	7' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.02		8.59
		<i>For Various Color Class I Anodized Finish, Add</i>	0.96		
		<i>For Black Color Class I Anodized Finish, Add</i>	2.88		
08 43 13 00-0042	SF	8' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.69		7.97
		<i>For Various Color Class I Anodized Finish, Add</i>	0.88		
		<i>For Black Color Class I Anodized Finish, Add</i>	2.64		
08 43 13 00-0043	SF	9' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.96		7.45
		<i>For Various Color Class I Anodized Finish, Add</i>	0.82		
		<i>For Black Color Class I Anodized Finish, Add</i>	2.46		
08 43 13 00-0044	SF	10' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.43		7.03
		<i>For Various Color Class I Anodized Finish, Add</i>	0.77		
		<i>For Black Color Class I Anodized Finish, Add</i>	2.32		
08 43 13 00-0045	SF	11' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.26		6.62
		<i>For Various Color Class I Anodized Finish, Add</i>	0.73		
		<i>For Black Color Class I Anodized Finish, Add</i>	2.20		
08 43 13 00-0046	SF	12' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.29		6.31
		<i>For Various Color Class I Anodized Finish, Add</i>	0.70		
		<i>For Black Color Class I Anodized Finish, Add</i>	2.10		
08 43 13 00-0047		<b>2" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.			
08 43 13 00-0048	SF	5' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	44.11		12.83
		<i>For Various Color Class I Anodized Finish, Add</i>	1.49		
		<i>For Black Color Class I Anodized Finish, Add</i>	4.46		
08 43 13 00-0049	SF	6' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	38.55		11.18
		<i>For Various Color Class I Anodized Finish, Add</i>	1.29		
		<i>For Black Color Class I Anodized Finish, Add</i>	3.88		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0050 SF 7' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	34.51	10.04
<i>For Various Color Class I Anodized Finish, Add</i>	1.16	
<i>For Black Color Class I Anodized Finish, Add</i>	3.47	
08 43 13 00-0051 SF 8' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	31.56	9.21
<i>For Various Color Class I Anodized Finish, Add</i>	1.06	
<i>For Black Color Class I Anodized Finish, Add</i>	3.17	
08 43 13 00-0052 SF 9' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.19	8.49
<i>For Various Color Class I Anodized Finish, Add</i>	0.98	
<i>For Black Color Class I Anodized Finish, Add</i>	2.93	
08 43 13 00-0053 SF 10' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	27.30	7.97
<i>For Various Color Class I Anodized Finish, Add</i>	0.91	
<i>For Black Color Class I Anodized Finish, Add</i>	2.74	
08 43 13 00-0054 SF 11' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.82	7.55
<i>For Various Color Class I Anodized Finish, Add</i>	0.86	
<i>For Black Color Class I Anodized Finish, Add</i>	2.58	
08 43 13 00-0055 SF 12' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.46	7.25
<i>For Various Color Class I Anodized Finish, Add</i>	0.82	
<i>For Black Color Class I Anodized Finish, Add</i>	2.45	
<b>08 43 13 00-0056 2-1/2" x 5" Frame, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small>		
<small>Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.</small>		
08 43 13 00-0057 SF 5' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	34.16	8.17
<i>For Various Color Class I Anodized Finish, Add</i>	1.31	
<i>For Black Color Class I Anodized Finish, Add</i>	3.93	
08 43 13 00-0058 SF 6' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	30.73	7.35
<i>For Various Color Class I Anodized Finish, Add</i>	1.18	
<i>For Black Color Class I Anodized Finish, Add</i>	3.54	
08 43 13 00-0059 SF 7' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	28.32	6.72
<i>For Various Color Class I Anodized Finish, Add</i>	1.08	
<i>For Black Color Class I Anodized Finish, Add</i>	3.25	
08 43 13 00-0060 SF 8' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.52	6.31
<i>For Various Color Class I Anodized Finish, Add</i>	1.01	
<i>For Black Color Class I Anodized Finish, Add</i>	3.04	
08 43 13 00-0061 SF 9' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.10	6.00
<i>For Various Color Class I Anodized Finish, Add</i>	0.96	
<i>For Black Color Class I Anodized Finish, Add</i>	2.88	
08 43 13 00-0062 SF 10' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.95	5.69
<i>For Various Color Class I Anodized Finish, Add</i>	0.92	
<i>For Black Color Class I Anodized Finish, Add</i>	2.75	
08 43 13 00-0063 SF 11' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.05	5.48
<i>For Various Color Class I Anodized Finish, Add</i>	0.88	
<i>For Black Color Class I Anodized Finish, Add</i>	2.64	
08 43 13 00-0064 SF 12' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.23	5.28
<i>For Various Color Class I Anodized Finish, Add</i>	0.85	
<i>For Black Color Class I Anodized Finish, Add</i>	2.55	
<b>08 43 13 00-0065 2-1/2" x 5" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small>		
<small>Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.</small>		
08 43 13 00-0066 SF 5' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	45.10	10.97
<i>For Various Color Class I Anodized Finish, Add</i>	1.71	
<i>For Black Color Class I Anodized Finish, Add</i>	5.12	
08 43 13 00-0067 SF 6' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	39.84	9.73
<i>For Various Color Class I Anodized Finish, Add</i>	1.51	
<i>For Black Color Class I Anodized Finish, Add</i>	4.53	
08 43 13 00-0068 SF 7' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	36.13	8.80
<i>For Various Color Class I Anodized Finish, Add</i>	1.37	
<i>For Black Color Class I Anodized Finish, Add</i>	4.10	
08 43 13 00-0069 SF 8' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	33.35	8.07
<i>For Various Color Class I Anodized Finish, Add</i>	1.26	
<i>For Black Color Class I Anodized Finish, Add</i>	3.79	
08 43 13 00-0070 SF 9' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	31.15	7.55
<i>For Various Color Class I Anodized Finish, Add</i>	1.18	
<i>For Black Color Class I Anodized Finish, Add</i>	3.54	
08 43 13 00-0071 SF 10' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.42	7.14
<i>For Various Color Class I Anodized Finish, Add</i>	1.11	
<i>For Black Color Class I Anodized Finish, Add</i>	3.34	

**08 Openings****08 40 Entrances, Storefronts, and Curtain Walls****08 43 Storefronts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0072	SF		11' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	28.01	6.83
			<i>For Various Color Class I Anodized Finish, Add</i>	1.06	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.18	
08 43 13 00-0073	SF		12' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.74	6.52
			<i>For Various Color Class I Anodized Finish, Add</i>	1.01	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.04	
<b>08 43 13 00-0074</b>			<b>2-1/2" x 5" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small>		
			Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0075	SF		5' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	54.40	12.83
			<i>For Various Color Class I Anodized Finish, Add</i>	2.10	
			<i>For Black Color Class I Anodized Finish, Add</i>	6.31	
08 43 13 00-0076	SF		6' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	47.82	11.38
			<i>For Various Color Class I Anodized Finish, Add</i>	1.84	
			<i>For Black Color Class I Anodized Finish, Add</i>	5.52	
08 43 13 00-0077	SF		7' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	42.93	10.24
			<i>For Various Color Class I Anodized Finish, Add</i>	1.65	
			<i>For Black Color Class I Anodized Finish, Add</i>	4.95	
08 43 13 00-0078	SF		8' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	39.34	9.31
			<i>For Various Color Class I Anodized Finish, Add</i>	1.51	
			<i>For Black Color Class I Anodized Finish, Add</i>	4.53	
08 43 13 00-0079	SF		9' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	36.46	8.69
			<i>For Various Color Class I Anodized Finish, Add</i>	1.40	
			<i>For Black Color Class I Anodized Finish, Add</i>	4.20	
08 43 13 00-0080	SF		10' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	34.18	8.17
			<i>For Various Color Class I Anodized Finish, Add</i>	1.31	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.93	
08 43 13 00-0081	SF		11' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	32.25	7.66
			<i>For Various Color Class I Anodized Finish, Add</i>	1.24	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.72	
08 43 13 00-0082	SF		12' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	30.74	7.35
			<i>For Various Color Class I Anodized Finish, Add</i>	1.18	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.54	
<b>08 43 13 00-0083</b>			<b>Accessories For Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small>		
08 43 13 00-0084	LF		For 3/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	34.79	6.88
08 43 13 00-0085	LF		For 1-1/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	39.67	7.58
08 43 13 00-0086	LF		For 1-7/16" x 4-5/8" x 1/4" Steel Reinforcing, Storefront Framing.....	60.83	8.32
<b>08 43 19</b>			<b>Stainless-Steel-Framed Storefronts</b> <small>(08 43)</small>		
<b>08 43 19 00-0001</b>			<b>Stainless Steel Storefront Framing Assembly</b> <small>(08 43 19)</small>		
			Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 81 23 23-0051 for insulated glazing.		
08 43 19 00-0002	SF		Stainless Steel Storefront Framing Assembly.....	41.37	5.17
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	3.35	
<b>08 44</b>			<b>Curtain Wall and Glazed Assemblies</b> <small>(08 40)</small>		
<b>08 44 13</b>			<b>Glazed Aluminum Curtain Walls</b> <small>(08 44)</small>		
<b>08 44 13 00-0001</b>			<b>Curtain Walls</b> <small>(08 44 13)</small>		
<b>08 44 13 00-0002</b>			<b>Coping Sections</b> <small>(08 44 13 00-0001)</small>		
08 44 13 00-0003	LF		Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section.....	66.82	3.10
			<i>For Bronze Anodized Aluminum, Add</i>	7.30	
			<i>For Stainless Steel, Add</i>	30.11	
			<i>For Black Anodized Finish, Add</i>	13.14	
08 44 13 00-0004	LF		Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section.....	69.42	3.10
			<i>For Bronze Anodized Aluminum, Add</i>	7.69	
			<i>For Stainless Steel, Add</i>	31.67	
			<i>For Black Anodized Finish, Add</i>	13.84	
08 44 13 00-0005	LF		Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section.....	83.47	4.14
			<i>For Bronze Anodized Aluminum, Add</i>	9.13	
			<i>For Stainless Steel, Add</i>	37.64	
			<i>For Black Anodized Finish, Add</i>	16.43	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 44 13 00-0006 Sill Section</b> <small>(08 44 13 00-0001)</small>		
08 44 13 00-0007 LF Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section .....	55.02	2.07
<i>For Bronze Anodized Aluminum, Add</i>	6.34	
<i>For Stainless Steel, Add</i>	25.98	
<i>For Black Anodized Finish, Add</i>	11.40	
08 44 13 00-0008 LF Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section .....	59.53	2.07
<i>For Bronze Anodized Aluminum, Add</i>	7.01	
<i>For Stainless Steel, Add</i>	28.69	
<i>For Black Anodized Finish, Add</i>	12.62	
08 44 13 00-0009 LF Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section .....	64.09	2.07
<i>For Bronze Anodized Aluminum, Add</i>	7.70	
<i>For Stainless Steel, Add</i>	31.43	
<i>For Black Anodized Finish, Add</i>	13.85	
<b>08 44 13 00-0010 Aluminum Column Covers</b> <small>(08 44 13 00-0001)</small>		
Note: Includes all clips and fasteners.		
08 44 13 00-0011 LF Aluminum Column Covers, 1/8" x 26", Shaped.....	135.47	5.17
<i>For Bronze Anodized Aluminum, Add</i>	15.95	
<i>For Stainless Steel, Add</i>	65.25	
<i>For Black Anodized Finish, Add</i>	28.71	
08 44 13 00-0012 LF Aluminum Column Covers, 1/8" x 34", Shaped.....	166.64	5.17
<i>For Bronze Anodized Aluminum, Add</i>	20.36	
<i>For Stainless Steel, Add</i>	82.99	
<i>For Black Anodized Finish, Add</i>	36.65	
08 44 13 00-0013 LF Aluminum Column Covers, 1/8" x 38", Shaped.....	178.67	5.17
<i>For Bronze Anodized Aluminum, Add</i>	22.17	
<i>For Stainless Steel, Add</i>	90.21	
<i>For Black Anodized Finish, Add</i>	39.90	
<b>08 44 13 00-0014 Spandrel Covers</b> <small>(08 44 13 00-0001)</small>		
Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).		
08 44 13 00-0015 SF 1" Spandrel Cover, Aluminum Both Faces.....	54.81	2.07
<i>For Bronze Anodized Aluminum, Add</i>	6.92	
<i>For Stainless Steel, Add</i>	28.10	
<i>For Black Anodized Finish, Add</i>	12.45	
08 44 13 00-0016 SF 1" Spandrel Cover, Aluminum Exterior Face .....	47.97	2.07
<i>For Bronze Anodized Aluminum, Add</i>	5.89	
<i>For Stainless Steel, Add</i>	24.00	
<i>For Black Anodized Finish, Add</i>	10.60	
08 44 13 00-0017 SF 1" Spandrel Cover, Epoxy Both Faces.....	104.63	2.07
<i>For Bronze Anodized Aluminum, Add</i>	14.39	
<i>For Stainless Steel, Add</i>	57.99	
<i>For Black Anodized Finish, Add</i>	25.90	
08 44 13 00-0018 SF 1" Spandrel Cover, Epoxy Exterior Face Only.....	85.33	2.07
<i>For Bronze Anodized Aluminum, Add</i>	11.49	
<i>For Stainless Steel, Add</i>	46.41	
<i>For Black Anodized Finish, Add</i>	20.69	
08 44 13 00-0019 SF 2" Spandrel Cover, Aluminum Both Faces.....	61.53	2.07
<i>For Bronze Anodized Aluminum, Add</i>	7.59	
<i>For Stainless Steel, Add</i>	30.90	
<i>For Black Anodized Finish, Add</i>	13.66	
08 44 13 00-0020 SF 2" Spandrel Cover, Aluminum Exterior Face .....	55.06	2.07
<i>For Bronze Anodized Aluminum, Add</i>	6.62	
<i>For Stainless Steel, Add</i>	27.01	
<i>For Black Anodized Finish, Add</i>	11.91	
08 44 13 00-0021 SF 2" Spandrel Cover, Epoxy Both Faces.....	119.51	2.07
<i>For Bronze Anodized Aluminum, Add</i>	16.28	
<i>For Stainless Steel, Add</i>	65.68	
<i>For Black Anodized Finish, Add</i>	29.31	
08 44 13 00-0022 SF 2" Spandrel Cover, Epoxy Exterior Face Only.....	97.25	2.07
<i>For Bronze Anodized Aluminum, Add</i>	12.95	
<i>For Stainless Steel, Add</i>	52.33	
<i>For Black Anodized Finish, Add</i>	23.30	
<b>08 44 13 00-0023 Curtain Wall, Aluminum System Framing Sections</b> <small>(08 44 13 00-0001)</small>		
Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.		
08 44 13 00-0024 LF Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls.....	79.82	2.07
<i>For Bronze Anodized Aluminum, Add</i>	10.74	
<i>For Stainless Steel, Add</i>	43.38	
<i>For Black Anodized Finish, Add</i>	19.33	
08 44 13 00-0025 LF Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls.....	79.66	2.07
<i>For Bronze Anodized Aluminum, Add</i>	10.74	
<i>For Stainless Steel, Add</i>	43.37	
<i>For Black Anodized Finish, Add</i>	19.33	
08 44 13 00-0026 LF Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls.....	79.66	2.07
<i>For Bronze Anodized Aluminum, Add</i>	10.74	
<i>For Stainless Steel, Add</i>	43.37	
<i>For Black Anodized Finish, Add</i>	19.33	
<i>For Corner Mullion, Add</i>	19.11	

**08 Openings****08 40 Entrances, Storefronts, and Curtain Walls****08 44 Curtain Wall and Glazed Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0027	LF		Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls.....	97.99	4.14
			<i>For Bronze Anodized Aluminum, Add</i>	12.84	
			<i>For Stainless Steel, Add</i>	51.96	
			<i>For Black Anodized Finish, Add</i>	23.10	
08 44 13 00-0028	LF		Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls.....	97.99	4.14
			<i>For Bronze Anodized Aluminum, Add</i>	12.84	
			<i>For Stainless Steel, Add</i>	51.96	
			<i>For Black Anodized Finish, Add</i>	23.10	
08 44 13 00-0029	LF		Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls .....	97.99	4.14
			<i>For Bronze Anodized Aluminum, Add</i>	12.84	
			<i>For Stainless Steel, Add</i>	51.96	
			<i>For Black Anodized Finish, Add</i>	23.10	
			<i>For Corner Mullion, Add</i>	23.26	
08 44 13 00-0030	LF		Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls.....	107.58	4.56
			<i>For Bronze Anodized Aluminum, Add</i>	14.07	
			<i>For Stainless Steel, Add</i>	56.96	
			<i>For Black Anodized Finish, Add</i>	25.32	
08 44 13 00-0031	LF		Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls.....	107.58	4.56
			<i>For Bronze Anodized Aluminum, Add</i>	14.07	
			<i>For Stainless Steel, Add</i>	56.96	
			<i>For Black Anodized Finish, Add</i>	25.32	
08 44 13 00-0032	LF		Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls .....	107.58	4.56
			<i>For Bronze Anodized Aluminum, Add</i>	14.07	
			<i>For Stainless Steel, Add</i>	56.96	
			<i>For Black Anodized Finish, Add</i>	25.32	
			<i>For Corner Mullion, Add</i>	25.52	
08 44 13 00-0033	LF		Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls.....	117.37	5.17
			<i>For Bronze Anodized Aluminum, Add</i>	15.31	
			<i>For Stainless Steel, Add</i>	61.99	
			<i>For Black Anodized Finish, Add</i>	27.55	
08 44 13 00-0034	LF		Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls .....	117.37	5.17
			<i>For Bronze Anodized Aluminum, Add</i>	15.31	
			<i>For Stainless Steel, Add</i>	61.99	
			<i>For Black Anodized Finish, Add</i>	27.55	
08 44 13 00-0035	LF		Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls .....	117.37	5.17
			<i>For Bronze Anodized Aluminum, Add</i>	15.31	
			<i>For Stainless Steel, Add</i>	61.99	
			<i>For Black Anodized Finish, Add</i>	27.55	
			<i>For Corner Mullion, Add</i>	27.81	
08 44 13 00-0036	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls.....	131.81	5.58
			<i>For Bronze Anodized Aluminum, Add</i>	17.26	
			<i>For Stainless Steel, Add</i>	69.88	
			<i>For Black Anodized Finish, Add</i>	31.07	
08 44 13 00-0037	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls .....	131.81	5.58
			<i>For Bronze Anodized Aluminum, Add</i>	17.26	
			<i>For Stainless Steel, Add</i>	69.88	
			<i>For Black Anodized Finish, Add</i>	31.07	
08 44 13 00-0038	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls .....	131.81	5.58
			<i>For Bronze Anodized Aluminum, Add</i>	17.26	
			<i>For Stainless Steel, Add</i>	69.88	
			<i>For Black Anodized Finish, Add</i>	31.07	
			<i>For Corner Mullion, Add</i>	31.28	
08 44 13 00-0039	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls.....	151.32	6.21
			<i>For Bronze Anodized Aluminum, Add</i>	19.82	
			<i>For Stainless Steel, Add</i>	80.23	
			<i>For Black Anodized Finish, Add</i>	35.67	
08 44 13 00-0040	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls .....	151.32	6.21
			<i>For Bronze Anodized Aluminum, Add</i>	19.82	
			<i>For Stainless Steel, Add</i>	80.23	
			<i>For Black Anodized Finish, Add</i>	35.67	
08 44 13 00-0041	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls .....	151.32	6.21
			<i>For Bronze Anodized Aluminum, Add</i>	19.82	
			<i>For Stainless Steel, Add</i>	80.23	
			<i>For Black Anodized Finish, Add</i>	35.67	
			<i>For Corner Mullion, Add</i>	35.91	

**08 45 Translucent Wall and Roof Assemblies** (08 40)**08 45 23 Fiberglass-Sandwich-Panel Assemblies** (08 45)**08 45 23 00-0001 Translucent Fiberglass Sandwich-Panels 2-3/4" Thick** (08 45 23)

08 45 23 00-0002	SF		<5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed .....	116.54	5.37
			<i>For Aluminum Frame, Add</i>	10.85	
08 45 23 00-0003	SF		>5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed .....	106.79	4.57
			<i>For Aluminum Frame, Add</i>	9.99	

**08 50 Windows** (08)

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

**08 51 Metal Windows** (08 50)**08 51 13 Aluminum Windows** (08 51)



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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See CSI section 08 80 00 00-0000 for glazing.

08 51 13 00-0001	<b>Aluminum Windows</b> <small>(08 51 13)</small> Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.		
08 51 13 00-0002	<b>Single Hung Aluminum Windows</b> <small>(08 51 13 00-0001)</small>		
08 51 13 00-0003	<b>2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350)</b> <small>(08 51 13 00-0002)</small>		
08 51 13 00-0004	EA Up To 6 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350).....	492.78	104.62
	For 50% Fluoropolymer Finish (Acrynar), Add	6.37	
	For 70% Fluoropolymer Finish (Duranar), Add	19.11	
	For Clear Anodized Finish, Add	15.92	
	For Color Anodized Finish, Add	22.29	
08 51 13 00-0005	EA >6 To 10 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350).....	552.83	111.15
	For 50% Fluoropolymer Finish (Acrynar), Add	7.35	
	For 70% Fluoropolymer Finish (Duranar), Add	22.05	
	For Clear Anodized Finish, Add	18.38	
	For Color Anodized Finish, Add	25.73	
08 51 13 00-0006	EA >10 To 15 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350) .....	604.32	117.69
	For 50% Fluoropolymer Finish (Acrynar), Add	8.16	
	For 70% Fluoropolymer Finish (Duranar), Add	24.49	
	For Clear Anodized Finish, Add	20.41	
	For Color Anodized Finish, Add	28.57	
08 51 13 00-0007	EA >15 To 20 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350) .....	647.27	124.23
	For 50% Fluoropolymer Finish (Acrynar), Add	8.80	
	For 70% Fluoropolymer Finish (Duranar), Add	26.41	
	For Clear Anodized Finish, Add	22.01	
	For Color Anodized Finish, Add	30.82	
08 51 13 00-0008	EA >20 To 30 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350) .....	741.52	130.77
	For 50% Fluoropolymer Finish (Acrynar), Add	10.47	
	For 70% Fluoropolymer Finish (Duranar), Add	31.41	
	For Clear Anodized Finish, Add	26.18	
	For Color Anodized Finish, Add	36.65	
08 51 13 00-0009	SF >30 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350).....	24.00	3.93
	For 50% Fluoropolymer Finish (Acrynar), Add	0.35	
	For 70% Fluoropolymer Finish (Duranar), Add	1.05	
	For Clear Anodized Finish, Add	0.87	
	For Color Anodized Finish, Add	1.22	
08 51 13 00-0010	<b>2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)</b> <small>(08 51 13 00-0002)</small>		
08 51 13 00-0011	EA Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) .....	528.15	104.62
	For 50% Fluoropolymer Finish (Acrynar), Add	7.08	
	For 70% Fluoropolymer Finish (Duranar), Add	21.23	
	For Clear Anodized Finish, Add	17.69	
	For Color Anodized Finish, Add	24.77	
08 51 13 00-0012	EA >6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	593.67	111.15
	For 50% Fluoropolymer Finish (Acrynar), Add	8.17	
	For 70% Fluoropolymer Finish (Duranar), Add	24.50	
	For Clear Anodized Finish, Add	20.42	
	For Color Anodized Finish, Add	28.59	
08 51 13 00-0013	EA >10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	649.67	117.69
	For 50% Fluoropolymer Finish (Acrynar), Add	9.07	
	For 70% Fluoropolymer Finish (Duranar), Add	27.21	
	For Clear Anodized Finish, Add	22.68	
	For Color Anodized Finish, Add	31.75	
08 51 13 00-0014	EA >15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	696.19	124.23
	For 50% Fluoropolymer Finish (Acrynar), Add	9.78	
	For 70% Fluoropolymer Finish (Duranar), Add	29.35	
	For Clear Anodized Finish, Add	24.46	
	For Color Anodized Finish, Add	34.24	
08 51 13 00-0015	EA >20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	799.69	130.77
	For 50% Fluoropolymer Finish (Acrynar), Add	11.63	
	For 70% Fluoropolymer Finish (Duranar), Add	34.90	
	For Clear Anodized Finish, Add	29.09	
	For Color Anodized Finish, Add	40.72	
08 51 13 00-0016	SF >30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	25.94	3.93
	For 50% Fluoropolymer Finish (Acrynar), Add	0.39	
	For 70% Fluoropolymer Finish (Duranar), Add	1.16	
	For Clear Anodized Finish, Add	0.97	
	For Color Anodized Finish, Add	1.36	
08 51 13 00-0017	<b>3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)</b> <small>(08 51 13 00-0002)</small>		
08 51 13 00-0018	EA Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	779.85	104.62
	For 50% Fluoropolymer Finish (Acrynar), Add	12.11	
	For 70% Fluoropolymer Finish (Duranar), Add	36.33	
	For Clear Anodized Finish, Add	30.27	
	For Color Anodized Finish, Add	42.38	

**08 Openings**

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0019	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	866.73 13.63 40.89 34.07 47.70	111.15
08 51 13 00-0020	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	939.36 14.86 44.59 37.16 52.02	117.69
08 51 13 00-0021	EA		>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,009.62 16.05 48.15 40.13 56.18	124.23
08 51 13 00-0022	EA		>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,198.60 19.61 58.84 49.03 68.65	130.77
08 51 13 00-0023	SF		>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	39.24 0.65 1.96 1.64 2.29	3.93
08 51 13 00-0024			<b>3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)</b> <small>(08 51 13 00-0002)</small>		
08 51 13 00-0025	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	822.59 12.96 38.89 32.41 45.38	104.62
08 51 13 00-0026	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	926.09 14.82 44.45 37.04 51.86	111.15
08 51 13 00-0027	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,010.59 16.29 48.87 40.72 57.01	117.69
08 51 13 00-0028	EA		>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,092.72 17.71 53.14 44.28 62.00	124.23
08 51 13 00-0029	EA		>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,300.70 21.66 64.97 54.14 75.79	130.77
08 51 13 00-0030	SF		>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	42.63 0.72 2.17 1.80 2.53	3.93
08 51 13 00-0031			<b>4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)</b> <small>(08 51 13 00-0002)</small>		
08 51 13 00-0032	EA		Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	903.32 14.58 43.74 36.45 51.03	104.62
08 51 13 00-0033	EA		>6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,037.69 17.05 51.15 42.62 59.67	111.15
08 51 13 00-0034	EA		>10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,124.56 18.57 55.70 46.42 64.99	117.69
08 51 13 00-0035	EA		>15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,206.70 19.99 59.98 49.98 69.98	124.23



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0036	EA	>20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,398.06	130.77	
		For 50% Fluoropolymer Finish (Acrynar), Add	23.60		
		For 70% Fluoropolymer Finish (Duranar), Add	70.81		
		For Clear Anodized Finish, Add	59.01		
		For Color Anodized Finish, Add	82.61		
08 51 13 00-0037	SF	>30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	45.88	3.93	
		For 50% Fluoropolymer Finish (Acrynar), Add	0.79		
		For 70% Fluoropolymer Finish (Duranar), Add	2.36		
		For Clear Anodized Finish, Add	1.97		
		For Color Anodized Finish, Add	2.75		
<b>08 51 13 00-0038</b>		<b>4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)</b>			
		<small>(08 51 13 00-0002)</small>			
08 51 13 00-0039	EA	Up To 6 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	1,085.55	104.62	
		For 50% Fluoropolymer Finish (Acrynar), Add	18.22		
		For 70% Fluoropolymer Finish (Duranar), Add	54.67		
		For Clear Anodized Finish, Add	45.56		
		For Color Anodized Finish, Add	63.78		
08 51 13 00-0040	EA	>6 To 10 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	1,250.79	111.15	
		For 50% Fluoropolymer Finish (Acrynar), Add	21.31		
		For 70% Fluoropolymer Finish (Duranar), Add	63.93		
		For Clear Anodized Finish, Add	53.28		
		For Color Anodized Finish, Add	74.59		
08 51 13 00-0041	EA	>10 To 15 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	1,356.66	117.69	
		For 50% Fluoropolymer Finish (Acrynar), Add	23.21		
		For 70% Fluoropolymer Finish (Duranar), Add	69.63		
		For Clear Anodized Finish, Add	58.03		
		For Color Anodized Finish, Add	81.24		
08 51 13 00-0042	EA	>15 To 20 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	1,456.62	124.23	
		For 50% Fluoropolymer Finish (Acrynar), Add	24.99		
		For 70% Fluoropolymer Finish (Duranar), Add	74.97		
		For Clear Anodized Finish, Add	62.48		
		For Color Anodized Finish, Add	87.47		
08 51 13 00-0043	EA	>20 To 30 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	1,693.09	130.77	
		For 50% Fluoropolymer Finish (Acrynar), Add	29.50		
		For 70% Fluoropolymer Finish (Duranar), Add	88.51		
		For Clear Anodized Finish, Add	73.76		
		For Color Anodized Finish, Add	103.26		
08 51 13 00-0044	SF	>30 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	55.71	3.93	
		For 50% Fluoropolymer Finish (Acrynar), Add	0.98		
		For 70% Fluoropolymer Finish (Duranar), Add	2.95		
		For Clear Anodized Finish, Add	2.46		
		For Color Anodized Finish, Add	3.44		
<b>08 51 13 00-0045</b>		<b>Double Hung Aluminum Windows</b>			
		<small>(08 51 13 00-0001)</small>			
<b>08 51 13 00-0046</b>		<b>3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)</b>			
		<small>(08 51 13 00-0045)</small>			
08 51 13 00-0047	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	592.26	104.62	
		For 50% Fluoropolymer Finish (Acrynar), Add	8.36		
		For 70% Fluoropolymer Finish (Duranar), Add	25.07		
		For Clear Anodized Finish, Add	20.90		
		For Color Anodized Finish, Add	29.25		
08 51 13 00-0048	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	655.40	111.15	
		For 50% Fluoropolymer Finish (Acrynar), Add	9.40		
		For 70% Fluoropolymer Finish (Duranar), Add	28.21		
		For Clear Anodized Finish, Add	23.51		
		For Color Anodized Finish, Add	32.91		
08 51 13 00-0049	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	709.03	117.69	
		For 50% Fluoropolymer Finish (Acrynar), Add	10.26		
		For 70% Fluoropolymer Finish (Duranar), Add	30.77		
		For Clear Anodized Finish, Add	25.64		
		For Color Anodized Finish, Add	35.90		
08 51 13 00-0050	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	765.05	124.23	
		For 50% Fluoropolymer Finish (Acrynar), Add	11.16		
		For 70% Fluoropolymer Finish (Duranar), Add	33.48		
		For Clear Anodized Finish, Add	27.90		
		For Color Anodized Finish, Add	39.06		
08 51 13 00-0051	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	892.30	130.77	
		For 50% Fluoropolymer Finish (Acrynar), Add	13.49		
		For 70% Fluoropolymer Finish (Duranar), Add	40.46		
		For Clear Anodized Finish, Add	33.72		
		For Color Anodized Finish, Add	47.20		
08 51 13 00-0052	SF	>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	29.03	3.93	
		For 50% Fluoropolymer Finish (Acrynar), Add	0.45		
		For 70% Fluoropolymer Finish (Duranar), Add	1.35		
		For Clear Anodized Finish, Add	1.12		
		For Color Anodized Finish, Add	1.57		
<b>08 51 13 00-0053</b>		<b>4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)</b>			
		<small>(08 51 13 00-0045)</small>			

**08 Openings**

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0054	EA		Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	727.61	104.62
			For 50% Fluoropolymer Finish (Acrynar), Add	11.07	
			For 70% Fluoropolymer Finish (Duranar), Add	33.20	
			For Clear Anodized Finish, Add	27.66	
			For Color Anodized Finish, Add	38.73	
08 51 13 00-0055	EA		>6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) .....	842.99	111.15
			For 50% Fluoropolymer Finish (Acrynar), Add	13.15	
			For 70% Fluoropolymer Finish (Duranar), Add	39.46	
			For Clear Anodized Finish, Add	32.89	
			For Color Anodized Finish, Add	46.04	
08 51 13 00-0056	EA		>10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) .....	936.98	117.69
			For 50% Fluoropolymer Finish (Acrynar), Add	14.82	
			For 70% Fluoropolymer Finish (Duranar), Add	44.45	
			For Clear Anodized Finish, Add	37.04	
			For Color Anodized Finish, Add	51.86	
08 51 13 00-0057	EA		>15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) .....	1,042.86	124.23
			For 50% Fluoropolymer Finish (Acrynar), Add	16.72	
			For 70% Fluoropolymer Finish (Duranar), Add	50.15	
			For Clear Anodized Finish, Add	41.79	
			For Color Anodized Finish, Add	58.51	
08 51 13 00-0058	EA		>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) .....	1,236.59	130.77
			For 50% Fluoropolymer Finish (Acrynar), Add	20.37	
			For 70% Fluoropolymer Finish (Duranar), Add	61.12	
			For Clear Anodized Finish, Add	50.93	
			For Color Anodized Finish, Add	71.30	
08 51 13 00-0059	SF		>30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) .....	40.49	3.93
			For 50% Fluoropolymer Finish (Acrynar), Add	0.68	
			For 70% Fluoropolymer Finish (Duranar), Add	2.04	
			For Clear Anodized Finish, Add	1.70	
			For Color Anodized Finish, Add	2.38	
08 51 13 00-0060			<b>4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)</b> (08 51 13 00-0045)		
08 51 13 00-0061	EA		Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) .....	915.19	104.62
			For 50% Fluoropolymer Finish (Acrynar), Add	14.82	
			For 70% Fluoropolymer Finish (Duranar), Add	44.45	
			For Clear Anodized Finish, Add	37.04	
			For Color Anodized Finish, Add	51.86	
08 51 13 00-0062	EA		>6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) .....	1,049.56	111.15
			For 50% Fluoropolymer Finish (Acrynar), Add	17.29	
			For 70% Fluoropolymer Finish (Duranar), Add	51.86	
			For Clear Anodized Finish, Add	43.22	
			For Color Anodized Finish, Add	60.50	
08 51 13 00-0063	EA		>10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) .....	1,162.56	117.69
			For 50% Fluoropolymer Finish (Acrynar), Add	19.33	
			For 70% Fluoropolymer Finish (Duranar), Add	57.98	
			For Clear Anodized Finish, Add	48.32	
			For Color Anodized Finish, Add	67.65	
08 51 13 00-0064	EA		>15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) .....	1,273.18	124.23
			For 50% Fluoropolymer Finish (Acrynar), Add	21.32	
			For 70% Fluoropolymer Finish (Duranar), Add	63.97	
			For Clear Anodized Finish, Add	53.31	
			For Color Anodized Finish, Add	74.63	
08 51 13 00-0065	EA		>20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) .....	1,538.15	130.77
			For 50% Fluoropolymer Finish (Acrynar), Add	26.40	
			For 70% Fluoropolymer Finish (Duranar), Add	79.21	
			For Clear Anodized Finish, Add	66.01	
			For Color Anodized Finish, Add	92.41	
08 51 13 00-0066	SF		>30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) .....	50.54	3.93
			For 50% Fluoropolymer Finish (Acrynar), Add	0.88	
			For 70% Fluoropolymer Finish (Duranar), Add	2.64	
			For Clear Anodized Finish, Add	2.20	
			For Color Anodized Finish, Add	3.08	
08 51 13 00-0067			<b>4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL)</b> (08 51 13 00-0045)		
08 51 13 00-0068	EA		Up To 6 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL) .....	1,100.40	104.62
			For 50% Fluoropolymer Finish (Acrynar), Add	18.52	
			For 70% Fluoropolymer Finish (Duranar), Add	55.56	
			For Clear Anodized Finish, Add	46.30	
			For Color Anodized Finish, Add	64.82	
08 51 13 00-0069	EA		>6 To 10 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL) .....	1,265.64	111.15
			For 50% Fluoropolymer Finish (Acrynar), Add	21.61	
			For 70% Fluoropolymer Finish (Duranar), Add	64.82	
			For Clear Anodized Finish, Add	54.02	
			For Color Anodized Finish, Add	75.63	
08 51 13 00-0070	EA		>10 To 15 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL) .....	1,404.15	117.69
			For 50% Fluoropolymer Finish (Acrynar), Add	24.16	
			For 70% Fluoropolymer Finish (Duranar), Add	72.48	
			For Clear Anodized Finish, Add	60.40	
			For Color Anodized Finish, Add	84.56	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0071 EA >15 To 20 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL).....	1,539.73	124.23
For 50% Fluoropolymer Finish (Acrynar), Add	26.65	
For 70% Fluoropolymer Finish (Duramar), Add	79.96	
For Clear Anodized Finish, Add	66.63	
For Color Anodized Finish, Add	93.29	
08 51 13 00-0072 EA >20 To 30 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL).....	1,868.20	130.77
For 50% Fluoropolymer Finish (Acrynar), Add	33.01	
For 70% Fluoropolymer Finish (Duramar), Add	99.02	
For Clear Anodized Finish, Add	82.51	
For Color Anodized Finish, Add	115.52	
08 51 13 00-0073 SF >30 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL).....	61.54	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	1.10	
For 70% Fluoropolymer Finish (Duramar), Add	3.30	
For Clear Anodized Finish, Add	2.75	
For Color Anodized Finish, Add	3.85	
<b>08 51 13 00-0074 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) (08 51 13 00-0045)</b>		
08 51 13 00-0075 EA Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) .....	1,427.10	111.15
For 50% Fluoropolymer Finish (Acrynar), Add	24.84	
For 70% Fluoropolymer Finish (Duramar), Add	74.51	
For Clear Anodized Finish, Add	62.09	
For Color Anodized Finish, Add	86.93	
08 51 13 00-0076 EA >10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	1,563.84	117.69
For 50% Fluoropolymer Finish (Acrynar), Add	27.35	
For 70% Fluoropolymer Finish (Duramar), Add	82.06	
For Clear Anodized Finish, Add	68.38	
For Color Anodized Finish, Add	95.74	
08 51 13 00-0077 EA >15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	1,724.33	124.23
For 50% Fluoropolymer Finish (Acrynar), Add	30.35	
For 70% Fluoropolymer Finish (Duramar), Add	91.04	
For Clear Anodized Finish, Add	75.86	
For Color Anodized Finish, Add	106.21	
08 51 13 00-0078 EA >20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	1,994.05	130.77
For 50% Fluoropolymer Finish (Acrynar), Add	35.52	
For 70% Fluoropolymer Finish (Duramar), Add	106.57	
For Clear Anodized Finish, Add	88.81	
For Color Anodized Finish, Add	124.33	
08 51 13 00-0079 SF >30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	65.66	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	1.18	
For 70% Fluoropolymer Finish (Duramar), Add	3.55	
For Clear Anodized Finish, Add	2.96	
For Color Anodized Finish, Add	4.14	
<b>08 51 13 00-0080 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) (08 51 13 00-0045)</b>		
08 51 13 00-0081 EA Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) .....	1,963.73	111.15
For 50% Fluoropolymer Finish (Acrynar), Add	35.57	
For 70% Fluoropolymer Finish (Duramar), Add	106.71	
For Clear Anodized Finish, Add	88.92	
For Color Anodized Finish, Add	124.49	
08 51 13 00-0082 EA >10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	2,117.09	117.69
For 50% Fluoropolymer Finish (Acrynar), Add	38.42	
For 70% Fluoropolymer Finish (Duramar), Add	115.26	
For Clear Anodized Finish, Add	96.05	
For Color Anodized Finish, Add	134.47	
08 51 13 00-0083 EA >15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	2,291.83	124.23
For 50% Fluoropolymer Finish (Acrynar), Add	41.70	
For 70% Fluoropolymer Finish (Duramar), Add	125.09	
For Clear Anodized Finish, Add	104.24	
For Color Anodized Finish, Add	145.93	
08 51 13 00-0084 EA >20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	2,594.78	130.77
For 50% Fluoropolymer Finish (Acrynar), Add	47.54	
For 70% Fluoropolymer Finish (Duramar), Add	142.61	
For Clear Anodized Finish, Add	118.84	
For Color Anodized Finish, Add	166.38	
08 51 13 00-0085 SF >30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	85.85	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	1.59	
For 70% Fluoropolymer Finish (Duramar), Add	4.76	
For Clear Anodized Finish, Add	3.97	
For Color Anodized Finish, Add	5.55	
08 51 13 00-0086 Horizontal Sliding Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0087 One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0086)		
08 51 13 00-0088 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) (08 51 13 00-0087)		

**08 Openings**

08 50 Windows

08 51 Metal Windows



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0089	EA	Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) .....	540.03	104.62
		For 50% Fluoropolymer Finish (Acrynar), Add	7.31	
		For 70% Fluoropolymer Finish (Duranar), Add	21.94	
		For Clear Anodized Finish, Add	18.28	
		For Color Anodized Finish, Add	25.60	
08 51 13 00-0090	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	607.91	111.15
		For 50% Fluoropolymer Finish (Acrynar), Add	8.45	
		For 70% Fluoropolymer Finish (Duranar), Add	25.36	
		For Clear Anodized Finish, Add	21.13	
		For Color Anodized Finish, Add	29.59	
08 51 13 00-0091	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	659.17	117.69
		For 50% Fluoropolymer Finish (Acrynar), Add	9.26	
		For 70% Fluoropolymer Finish (Duranar), Add	27.78	
		For Clear Anodized Finish, Add	23.15	
		For Color Anodized Finish, Add	32.41	
08 51 13 00-0092	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	712.81	124.23
		For 50% Fluoropolymer Finish (Acrynar), Add	10.12	
		For 70% Fluoropolymer Finish (Duranar), Add	30.35	
		For Clear Anodized Finish, Add	25.29	
		For Color Anodized Finish, Add	35.40	
08 51 13 00-0093	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	821.06	130.77
		For 50% Fluoropolymer Finish (Acrynar), Add	12.06	
		For 70% Fluoropolymer Finish (Duranar), Add	36.19	
		For Clear Anodized Finish, Add	30.16	
		For Color Anodized Finish, Add	42.22	
08 51 13 00-0094	SF	>30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) .....	26.65	3.93
		For 50% Fluoropolymer Finish (Acrynar), Add	0.40	
		For 70% Fluoropolymer Finish (Duranar), Add	1.21	
		For Clear Anodized Finish, Add	1.01	
		For Color Anodized Finish, Add	1.41	
08 51 13 00-0095		<b>3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)</b> <small>(08 51 13 00-0087)</small>		
08 51 13 00-0096	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	841.58	104.62
		For 50% Fluoropolymer Finish (Acrynar), Add	13.34	
		For 70% Fluoropolymer Finish (Duranar), Add	40.03	
		For Clear Anodized Finish, Add	33.36	
		For Color Anodized Finish, Add	46.71	
08 51 13 00-0097	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	947.46	111.15
		For 50% Fluoropolymer Finish (Acrynar), Add	15.24	
		For 70% Fluoropolymer Finish (Duranar), Add	45.73	
		For Clear Anodized Finish, Add	38.11	
		For Color Anodized Finish, Add	53.35	
08 51 13 00-0098	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	1,031.96	117.69
		For 50% Fluoropolymer Finish (Acrynar), Add	16.72	
		For 70% Fluoropolymer Finish (Duranar), Add	50.15	
		For Clear Anodized Finish, Add	41.79	
		For Color Anodized Finish, Add	58.51	
08 51 13 00-0099	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	1,114.09	124.23
		For 50% Fluoropolymer Finish (Acrynar), Add	18.14	
		For 70% Fluoropolymer Finish (Duranar), Add	54.42	
		For Clear Anodized Finish, Add	45.35	
		For Color Anodized Finish, Add	63.49	
08 51 13 00-0100	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	1,291.21	130.77
		For 50% Fluoropolymer Finish (Acrynar), Add	21.47	
		For 70% Fluoropolymer Finish (Duranar), Add	64.40	
		For Clear Anodized Finish, Add	53.66	
		For Color Anodized Finish, Add	75.13	
08 51 13 00-0101	SF	>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) .....	42.32	3.93
		For 50% Fluoropolymer Finish (Acrynar), Add	0.72	
		For 70% Fluoropolymer Finish (Duranar), Add	2.15	
		For Clear Anodized Finish, Add	1.79	
		For Color Anodized Finish, Add	2.50	
08 51 13 00-0102		<b>Two Rolling Sashes, Horizontal Sliding Aluminum Windows</b> <small>(08 51 13 00-0086)</small>		
08 51 13 00-0103		<b>3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)</b> <small>(08 51 13 00-0102)</small>		





<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0104 EA Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	601.76	104.62
For 50% Fluoropolymer Finish (Acrynar), Add	8.55	
For 70% Fluoropolymer Finish (Duranar), Add	25.64	
For Clear Anodized Finish, Add	21.37	
For Color Anodized Finish, Add	29.92	
08 51 13 00-0105 EA >6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	688.65	111.15
For 50% Fluoropolymer Finish (Acrynar), Add	10.07	
For 70% Fluoropolymer Finish (Duranar), Add	30.20	
For Clear Anodized Finish, Add	25.17	
For Color Anodized Finish, Add	35.24	
08 51 13 00-0106 EA >10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	747.02	117.69
For 50% Fluoropolymer Finish (Acrynar), Add	11.02	
For 70% Fluoropolymer Finish (Duranar), Add	33.05	
For Clear Anodized Finish, Add	27.54	
For Color Anodized Finish, Add	38.56	
08 51 13 00-0107 EA >15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	795.92	124.23
For 50% Fluoropolymer Finish (Acrynar), Add	11.78	
For 70% Fluoropolymer Finish (Duranar), Add	35.33	
For Clear Anodized Finish, Add	29.44	
For Color Anodized Finish, Add	41.22	
08 51 13 00-0108 EA >20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	918.42	130.77
For 50% Fluoropolymer Finish (Acrynar), Add	14.01	
For 70% Fluoropolymer Finish (Duranar), Add	42.03	
For Clear Anodized Finish, Add	35.02	
For Color Anodized Finish, Add	49.03	
08 51 13 00-0109 SF >30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	29.88	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	0.47	
For 70% Fluoropolymer Finish (Duranar), Add	1.40	
For Clear Anodized Finish, Add	1.17	
For Color Anodized Finish, Add	1.63	
<b>08 51 13 00-0110 Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows</b> <small>(08 51 13 00-0086)</small>		
<b>08 51 13 00-0111 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)</b> <small>(08 51 13 00-0110)</small>		
08 51 13 00-0112 EA Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,501.68	104.62
For 50% Fluoropolymer Finish (Acrynar), Add	26.55	
For 70% Fluoropolymer Finish (Duranar), Add	79.64	
For Clear Anodized Finish, Add	66.37	
For Color Anodized Finish, Add	92.91	
08 51 13 00-0113 EA >12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,728.38	120.96
For 50% Fluoropolymer Finish (Acrynar), Add	30.54	
For 70% Fluoropolymer Finish (Duranar), Add	91.61	
For Clear Anodized Finish, Add	76.34	
For Color Anodized Finish, Add	106.87	
08 51 13 00-0114 EA >18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,867.50	127.50
For 50% Fluoropolymer Finish (Acrynar), Add	33.10	
For 70% Fluoropolymer Finish (Duranar), Add	99.30	
For Clear Anodized Finish, Add	82.75	
For Color Anodized Finish, Add	115.85	
08 51 13 00-0115 EA >24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	2,255.66	143.84
For 50% Fluoropolymer Finish (Acrynar), Add	40.32	
For 70% Fluoropolymer Finish (Duranar), Add	120.96	
For Clear Anodized Finish, Add	100.80	
For Color Anodized Finish, Add	141.11	
08 51 13 00-0116 EA >40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	2,604.15	163.46
For 50% Fluoropolymer Finish (Acrynar), Add	46.63	
For 70% Fluoropolymer Finish (Duranar), Add	139.90	
For Clear Anodized Finish, Add	116.59	
For Color Anodized Finish, Add	163.22	
08 51 13 00-0117 SF >60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	45.39	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	0.78	
For 70% Fluoropolymer Finish (Duranar), Add	2.33	
For Clear Anodized Finish, Add	1.94	
For Color Anodized Finish, Add	2.72	
<b>08 51 13 00-0118 Fixed Aluminum Windows</b> <small>(08 51 13 00-0001)</small>		
<b>08 51 13 00-0119 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)</b> <small>(08 51 13 00-0119)</small>		

**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0120	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	428.43	104.62
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.08	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	15.24	
			<i>For Clear Anodized Finish, Add</i>	12.70	
			<i>For Color Anodized Finish, Add</i>	17.78	
08 51 13 00-0121	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) .....	486.82	111.15
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.03	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	18.09	
			<i>For Clear Anodized Finish, Add</i>	15.08	
			<i>For Color Anodized Finish, Add</i>	21.11	
08 51 13 00-0122	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) .....	514.33	117.69
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.36	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	19.09	
			<i>For Clear Anodized Finish, Add</i>	15.91	
			<i>For Color Anodized Finish, Add</i>	22.27	
08 51 13 00-0123	EA		>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) .....	541.85	124.23
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.70	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	20.09	
			<i>For Clear Anodized Finish, Add</i>	16.74	
			<i>For Color Anodized Finish, Add</i>	23.44	
08 51 13 00-0124	EA		>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) .....	707.09	130.77
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.78	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	29.35	
			<i>For Clear Anodized Finish, Add</i>	24.46	
			<i>For Color Anodized Finish, Add</i>	34.24	
08 51 13 00-0125	SF		>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	22.85	3.93
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.33	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	0.98	
			<i>For Clear Anodized Finish, Add</i>	0.82	
			<i>For Color Anodized Finish, Add</i>	1.14	
<b>08 51 13 00-0126</b>			<b>2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)</b> <small>(08 51 13 00-0118)</small>		
08 51 13 00-0127	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) .....	532.90	104.62
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.17	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	21.51	
			<i>For Clear Anodized Finish, Add</i>	17.93	
			<i>For Color Anodized Finish, Add</i>	25.10	
08 51 13 00-0128	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) .....	607.91	111.15
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.45	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	25.36	
			<i>For Clear Anodized Finish, Add</i>	21.13	
			<i>For Color Anodized Finish, Add</i>	29.59	
08 51 13 00-0129	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) .....	654.42	117.69
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.17	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	27.50	
			<i>For Clear Anodized Finish, Add</i>	22.91	
			<i>For Color Anodized Finish, Add</i>	32.08	
08 51 13 00-0130	EA		>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) .....	703.31	124.23
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.93	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	29.78	
			<i>For Clear Anodized Finish, Add</i>	24.81	
			<i>For Color Anodized Finish, Add</i>	34.74	
08 51 13 00-0131	EA		>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) .....	918.42	130.77
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.01	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	42.03	
			<i>For Clear Anodized Finish, Add</i>	35.02	
			<i>For Color Anodized Finish, Add</i>	49.03	
08 51 13 00-0132	SF		>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) .....	29.88	3.93
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.47	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	1.40	
			<i>For Clear Anodized Finish, Add</i>	1.17	
			<i>For Color Anodized Finish, Add</i>	1.63	
<b>08 51 13 00-0133</b>			<b>3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)</b> <small>(08 51 13 00-0118)</small>		
08 51 13 00-0134	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) .....	461.67	104.62
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.75	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	17.24	
			<i>For Clear Anodized Finish, Add</i>	14.37	
			<i>For Color Anodized Finish, Add</i>	20.11	
08 51 13 00-0135	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) .....	536.68	111.15
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.03	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	21.09	
			<i>For Clear Anodized Finish, Add</i>	17.57	
			<i>For Color Anodized Finish, Add</i>	24.60	
08 51 13 00-0136	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) .....	578.44	117.69
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.65	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	22.94	
			<i>For Clear Anodized Finish, Add</i>	19.11	
			<i>For Color Anodized Finish, Add</i>	26.76	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0137 EA >15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100).....	622.58	124.23
For 50% Fluoropolymer Finish (Acrynar), Add	8.31	
For 70% Fluoropolymer Finish (Duranar), Add	24.93	
For Clear Anodized Finish, Add	20.78	
For Color Anodized Finish, Add	29.09	
08 51 13 00-0138 EA >20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100).....	825.81	130.77
For 50% Fluoropolymer Finish (Acrynar), Add	12.16	
For 70% Fluoropolymer Finish (Duranar), Add	36.47	
For Clear Anodized Finish, Add	30.39	
For Color Anodized Finish, Add	42.55	
08 51 13 00-0139 SF >30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100).....	26.79	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	0.41	
For 70% Fluoropolymer Finish (Duranar), Add	1.22	
For Clear Anodized Finish, Add	1.01	
For Color Anodized Finish, Add	1.42	
<b>08 51 13 00-0140 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)</b> (08 51 13 00-0118)		
08 51 13 00-0141 EA Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) .....	459.30	104.62
For 50% Fluoropolymer Finish (Acrynar), Add	5.70	
For 70% Fluoropolymer Finish (Duranar), Add	17.10	
For Clear Anodized Finish, Add	14.25	
For Color Anodized Finish, Add	19.95	
08 51 13 00-0142 EA >6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	527.18	111.15
For 50% Fluoropolymer Finish (Acrynar), Add	6.84	
For 70% Fluoropolymer Finish (Duranar), Add	20.52	
For Clear Anodized Finish, Add	17.10	
For Color Anodized Finish, Add	23.93	
08 51 13 00-0143 EA >10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	568.94	117.69
For 50% Fluoropolymer Finish (Acrynar), Add	7.46	
For 70% Fluoropolymer Finish (Duranar), Add	22.37	
For Clear Anodized Finish, Add	18.64	
For Color Anodized Finish, Add	26.10	
08 51 13 00-0144 EA >15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	613.08	124.23
For 50% Fluoropolymer Finish (Acrynar), Add	8.12	
For 70% Fluoropolymer Finish (Duranar), Add	24.36	
For Clear Anodized Finish, Add	20.30	
For Color Anodized Finish, Add	28.42	
08 51 13 00-0145 EA >20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	816.31	130.77
For 50% Fluoropolymer Finish (Acrynar), Add	11.97	
For 70% Fluoropolymer Finish (Duranar), Add	35.90	
For Clear Anodized Finish, Add	29.92	
For Color Anodized Finish, Add	41.89	
08 51 13 00-0146 SF >30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	26.49	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	0.40	
For 70% Fluoropolymer Finish (Duranar), Add	1.20	
For Clear Anodized Finish, Add	1.00	
For Color Anodized Finish, Add	1.40	
<b>08 51 13 00-0147 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL)</b> (08 51 13 00-0118)		
08 51 13 00-0148 EA Up To 6 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL) .....	544.78	104.62
For 50% Fluoropolymer Finish (Acrynar), Add	7.41	
For 70% Fluoropolymer Finish (Duranar), Add	22.23	
For Clear Anodized Finish, Add	18.52	
For Color Anodized Finish, Add	25.93	
08 51 13 00-0149 EA >6 To 10 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL).....	629.76	111.15
For 50% Fluoropolymer Finish (Acrynar), Add	8.89	
For 70% Fluoropolymer Finish (Duranar), Add	26.67	
For Clear Anodized Finish, Add	22.23	
For Color Anodized Finish, Add	31.12	
08 51 13 00-0150 EA >10 To 15 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL).....	680.78	117.69
For 50% Fluoropolymer Finish (Acrynar), Add	9.69	
For 70% Fluoropolymer Finish (Duranar), Add	29.08	
For Clear Anodized Finish, Add	24.23	
For Color Anodized Finish, Add	33.92	
08 51 13 00-0151 EA >15 To 20 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL).....	734.89	124.23
For 50% Fluoropolymer Finish (Acrynar), Add	10.56	
For 70% Fluoropolymer Finish (Duranar), Add	31.67	
For Clear Anodized Finish, Add	26.39	
For Color Anodized Finish, Add	36.95	
08 51 13 00-0152 EA >20 To 30 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL).....	995.82	130.77
For 50% Fluoropolymer Finish (Acrynar), Add	15.56	
For 70% Fluoropolymer Finish (Duranar), Add	46.67	
For Clear Anodized Finish, Add	38.89	
For Color Anodized Finish, Add	54.45	
08 51 13 00-0153 SF >30 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL).....	32.46	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	0.52	
For 70% Fluoropolymer Finish (Duranar), Add	1.56	
For Clear Anodized Finish, Add	1.30	
For Color Anodized Finish, Add	1.81	

08 51 13 00-0154 Projected Aluminum Windows (08 51 13 00-0001)

**08 Openings****08 50 Windows**

08 51 Metal Windows

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 51 13 00-0155	Single Vent, Projected Aluminum Windows <small>(08 51 13 00-0154)</small>		
08 51 13 00-0156	2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) <small>(08 51 13 00-0155)</small>		
08 51 13 00-0157	EA >6 To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	606.99	104.62
	For 50% Fluoropolymer Finish (Acrynar), Add	8.65	
	For 70% Fluoropolymer Finish (Duranar), Add	25.96	
	For Clear Anodized Finish, Add	21.63	
	For Color Anodized Finish, Add	30.28	
08 51 13 00-0158	EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) .....	657.54	111.15
	For 50% Fluoropolymer Finish (Acrynar), Add	9.45	
	For 70% Fluoropolymer Finish (Duranar), Add	28.34	
	For Clear Anodized Finish, Add	23.61	
	For Color Anodized Finish, Add	33.06	
08 51 13 00-0159	EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) .....	716.16	117.69
	For 50% Fluoropolymer Finish (Acrynar), Add	10.40	
	For 70% Fluoropolymer Finish (Duranar), Add	31.20	
	For Clear Anodized Finish, Add	26.00	
	For Color Anodized Finish, Add	36.40	
08 51 13 00-0160	SF >15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) .....	41.21	3.93
	For 50% Fluoropolymer Finish (Acrynar), Add	0.69	
	For 70% Fluoropolymer Finish (Duranar), Add	2.08	
	For Clear Anodized Finish, Add	1.73	
	For Color Anodized Finish, Add	2.43	
08 51 13 00-0161	2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) <small>(08 51 13 00-0155)</small>		
08 51 13 00-0162	EA Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) .....	816.91	104.62
	For 50% Fluoropolymer Finish (Acrynar), Add	12.85	
	For 70% Fluoropolymer Finish (Duranar), Add	38.55	
	For Clear Anodized Finish, Add	32.13	
	For Color Anodized Finish, Add	44.98	
08 51 13 00-0163	EA >6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) .....	902.13	111.15
	For 50% Fluoropolymer Finish (Acrynar), Add	14.34	
	For 70% Fluoropolymer Finish (Duranar), Add	43.01	
	For Clear Anodized Finish, Add	35.84	
	For Color Anodized Finish, Add	50.18	
08 51 13 00-0164	EA >10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) .....	1,001.09	117.69
	For 50% Fluoropolymer Finish (Acrynar), Add	16.10	
	For 70% Fluoropolymer Finish (Duranar), Add	48.30	
	For Clear Anodized Finish, Add	40.25	
	For Color Anodized Finish, Add	56.35	
08 51 13 00-0165	SF >15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) .....	60.20	3.93
	For 50% Fluoropolymer Finish (Acrynar), Add	1.07	
	For 70% Fluoropolymer Finish (Duranar), Add	3.22	
	For Clear Anodized Finish, Add	2.68	
	For Color Anodized Finish, Add	3.76	
08 51 13 00-0166	3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) <small>(08 51 13 00-0155)</small>		
08 51 13 00-0167	EA Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	895.65	104.62
	For 50% Fluoropolymer Finish (Acrynar), Add	14.43	
	For 70% Fluoropolymer Finish (Duranar), Add	43.28	
	For Clear Anodized Finish, Add	36.06	
	For Color Anodized Finish, Add	50.49	
08 51 13 00-0168	EA >6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	993.83	111.15
	For 50% Fluoropolymer Finish (Acrynar), Add	16.17	
	For 70% Fluoropolymer Finish (Duranar), Add	48.51	
	For Clear Anodized Finish, Add	40.43	
	For Color Anodized Finish, Add	56.60	
08 51 13 00-0169	EA >10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	1,107.94	117.69
	For 50% Fluoropolymer Finish (Acrynar), Add	18.24	
	For 70% Fluoropolymer Finish (Duranar), Add	54.71	
	For Clear Anodized Finish, Add	45.59	
	For Color Anodized Finish, Add	63.83	
08 51 13 00-0170	SF >15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	67.33	3.93
	For 50% Fluoropolymer Finish (Acrynar), Add	1.22	
	For 70% Fluoropolymer Finish (Duranar), Add	3.65	
	For Clear Anodized Finish, Add	3.04	
	For Color Anodized Finish, Add	4.26	
08 51 13 00-0171	3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) <small>(08 51 13 00-0155)</small>		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0172 EA Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) .....	949.88	104.62
For 50% Fluoropolymer Finish (Acrynar), Add	15.51	
For 70% Fluoropolymer Finish (Duranar), Add	46.53	
For Clear Anodized Finish, Add	38.78	
For Color Anodized Finish, Add	54.29	
08 51 13 00-0173 EA >6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600) .....	1,057.02	111.15
For 50% Fluoropolymer Finish (Acrynar), Add	17.44	
For 70% Fluoropolymer Finish (Duranar), Add	52.31	
For Clear Anodized Finish, Add	43.59	
For Color Anodized Finish, Add	61.02	
08 51 13 00-0174 EA >10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600) .....	1,181.55	117.69
For 50% Fluoropolymer Finish (Acrynar), Add	19.71	
For 70% Fluoropolymer Finish (Duranar), Add	59.12	
For Clear Anodized Finish, Add	49.27	
For Color Anodized Finish, Add	68.98	
08 51 13 00-0175 SF >15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600) .....	72.24	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	1.31	
For 70% Fluoropolymer Finish (Duranar), Add	3.94	
For Clear Anodized Finish, Add	3.29	
For Color Anodized Finish, Add	4.60	
<b>08 51 13 00-0176 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0155)</b>		
08 51 13 00-0177 EA Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) .....	942.88	104.62
For 50% Fluoropolymer Finish (Acrynar), Add	15.37	
For 70% Fluoropolymer Finish (Duranar), Add	46.11	
For Clear Anodized Finish, Add	38.43	
For Color Anodized Finish, Add	53.80	
08 51 13 00-0178 EA >6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) .....	1,048.87	111.15
For 50% Fluoropolymer Finish (Acrynar), Add	17.27	
For 70% Fluoropolymer Finish (Duranar), Add	51.82	
For Clear Anodized Finish, Add	43.18	
For Color Anodized Finish, Add	60.45	
08 51 13 00-0179 EA >10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) .....	1,172.05	117.69
For 50% Fluoropolymer Finish (Acrynar), Add	19.52	
For 70% Fluoropolymer Finish (Duranar), Add	58.55	
For Clear Anodized Finish, Add	48.80	
For Color Anodized Finish, Add	68.31	
08 51 13 00-0180 SF >15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) .....	71.60	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	1.30	
For 70% Fluoropolymer Finish (Duranar), Add	3.90	
For Clear Anodized Finish, Add	3.25	
For Color Anodized Finish, Add	4.55	
<b>08 51 13 00-0181 Fixed Over Vent, Projected Aluminum Windows (08 51 13 00-0154)</b>		
<b>08 51 13 00-0182 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0181)</b>		
08 51 13 00-0183 EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) .....	836.17	104.62
For 50% Fluoropolymer Finish (Acrynar), Add	13.24	
For 70% Fluoropolymer Finish (Duranar), Add	39.71	
For Clear Anodized Finish, Add	33.09	
For Color Anodized Finish, Add	46.33	
08 51 13 00-0184 EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) .....	924.55	111.15
For 50% Fluoropolymer Finish (Acrynar), Add	14.79	
For 70% Fluoropolymer Finish (Duranar), Add	44.36	
For Clear Anodized Finish, Add	36.96	
For Color Anodized Finish, Add	51.75	
08 51 13 00-0185 EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) .....	1,027.21	117.69
For 50% Fluoropolymer Finish (Acrynar), Add	16.62	
For 70% Fluoropolymer Finish (Duranar), Add	49.86	
For Clear Anodized Finish, Add	41.55	
For Color Anodized Finish, Add	58.17	
08 51 13 00-0186 SF >15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) .....	61.86	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	1.11	
For 70% Fluoropolymer Finish (Duranar), Add	3.32	
For Clear Anodized Finish, Add	2.77	
For Color Anodized Finish, Add	3.87	
<b>08 51 13 00-0187 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0181)</b>		

**08 Openings**

08 50 Windows

08 51 Metal Windows



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0188	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) .....	1,168.57	104.62
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	19.88	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	59.65	
		<i>For Clear Anodized Finish, Add</i>	49.71	
		<i>For Color Anodized Finish, Add</i>	69.59	
08 51 13 00-0189	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) .....	1,311.80	111.15
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	22.53	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	67.59	
		<i>For Clear Anodized Finish, Add</i>	56.33	
		<i>For Color Anodized Finish, Add</i>	78.86	
08 51 13 00-0190	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) .....	1,478.36	117.69
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	25.64	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	76.93	
		<i>For Clear Anodized Finish, Add</i>	64.11	
		<i>For Color Anodized Finish, Add</i>	89.75	
08 51 13 00-0191	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) .....	92.02	3.93
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.71	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	5.13	
		<i>For Clear Anodized Finish, Add</i>	4.27	
		<i>For Color Anodized Finish, Add</i>	5.98	
<b>08 51 13 00-0192 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0181)</b>				
08 51 13 00-0193	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	1,238.55	104.62
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	21.28	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	63.85	
		<i>For Clear Anodized Finish, Add</i>	53.21	
		<i>For Color Anodized Finish, Add</i>	74.49	
08 51 13 00-0194	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	1,393.31	111.15
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	24.16	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	72.48	
		<i>For Clear Anodized Finish, Add</i>	60.40	
		<i>For Color Anodized Finish, Add</i>	84.56	
08 51 13 00-0195	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	1,573.34	117.69
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	27.54	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	82.63	
		<i>For Clear Anodized Finish, Add</i>	68.86	
		<i>For Color Anodized Finish, Add</i>	96.40	
08 51 13 00-0196	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	98.19	3.93
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.83	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	5.50	
		<i>For Clear Anodized Finish, Add</i>	4.58	
		<i>For Color Anodized Finish, Add</i>	6.42	
<b>08 51 13 00-0197 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0181)</b>				
08 51 13 00-0198	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) .....	1,231.56	104.62
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	21.14	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	63.43	
		<i>For Clear Anodized Finish, Add</i>	52.86	
		<i>For Color Anodized Finish, Add</i>	74.00	
08 51 13 00-0199	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) .....	1,385.17	111.15
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	24.00	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	71.99	
		<i>For Clear Anodized Finish, Add</i>	60.00	
		<i>For Color Anodized Finish, Add</i>	83.99	
08 51 13 00-0200	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) .....	1,563.84	117.69
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	27.35	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	82.06	
		<i>For Clear Anodized Finish, Add</i>	68.38	
		<i>For Color Anodized Finish, Add</i>	95.74	
08 51 13 00-0201	SF	>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) .....	97.72	3.93
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.82	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	5.47	
		<i>For Clear Anodized Finish, Add</i>	4.56	
		<i>For Color Anodized Finish, Add</i>	6.38	
<b>08 51 13 00-0202 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0181)</b>				



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Windows</b>	<b>08 50</b>	
<b>Metal Windows</b>	<b>08 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0203 EA Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) .....	1,340.03	104.62
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	23.31	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	69.94	
<i>For Clear Anodized Finish, Add</i>	58.28	
<i>For Color Anodized Finish, Add</i>	81.60	
08 51 13 00-0204 EA >6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) .....	1,511.54	111.15
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	26.53	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	79.58	
<i>For Clear Anodized Finish, Add</i>	66.31	
<i>For Color Anodized Finish, Add</i>	92.84	
08 51 13 00-0205 EA >10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) .....	1,711.06	117.69
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	30.30	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	90.89	
<i>For Clear Anodized Finish, Add</i>	75.75	
<i>For Color Anodized Finish, Add</i>	106.04	
08 51 13 00-0206 SF >15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) .....	107.45	3.93
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	2.02	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	6.05	
<i>For Clear Anodized Finish, Add</i>	5.05	
<i>For Color Anodized Finish, Add</i>	7.06	
<b>08 51 13 00-0207 Casement Aluminum Windows</b> <small>(08 51 13 00-0001)</small>		
<b>08 51 13 00-0208 Single Vent, Casement Aluminum Windows</b> <small>(08 51 13 00-0207)</small>		
<b>08 51 13 00-0209 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)</b> <small>(08 51 13 00-0208)</small>		
08 51 13 00-0210 EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) .....	692.70	104.62
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.37	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	31.10	
<i>For Clear Anodized Finish, Add</i>	25.92	
<i>For Color Anodized Finish, Add</i>	36.28	
08 51 13 00-0211 EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) .....	757.41	111.15
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.44	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	34.33	
<i>For Clear Anodized Finish, Add</i>	28.61	
<i>For Color Anodized Finish, Add</i>	40.05	
08 51 13 00-0212 EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) .....	832.51	117.69
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.73	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	38.18	
<i>For Clear Anodized Finish, Add</i>	31.82	
<i>For Color Anodized Finish, Add</i>	44.55	
08 51 13 00-0213 SF >15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) .....	48.97	3.93
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.85	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.55	
<i>For Clear Anodized Finish, Add</i>	2.12	
<i>For Color Anodized Finish, Add</i>	2.97	
<b>08 51 13 00-0214 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)</b> <small>(08 51 13 00-0208)</small>		
08 51 13 00-0215 EA Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	1,011.12	104.62
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	16.74	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	50.21	
<i>For Clear Anodized Finish, Add</i>	41.84	
<i>For Color Anodized Finish, Add</i>	58.57	
08 51 13 00-0216 EA >6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	1,128.35	111.15
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	18.86	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	56.59	
<i>For Clear Anodized Finish, Add</i>	47.15	
<i>For Color Anodized Finish, Add</i>	66.02	
08 51 13 00-0217 EA >10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	1,264.66	117.69
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	21.37	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	64.11	
<i>For Clear Anodized Finish, Add</i>	53.43	
<i>For Color Anodized Finish, Add</i>	74.80	
08 51 13 00-0218 SF >15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	77.77	3.93
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.42	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	4.27	
<i>For Clear Anodized Finish, Add</i>	3.56	
<i>For Color Anodized Finish, Add</i>	4.99	
<b>08 51 13 00-0219 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)</b> <small>(08 51 13 00-0208)</small>		

**08 Openings**

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0220	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	1,016.37	104.62
			For 50% Fluoropolymer Finish (Acrynar), Add	16.84	
			For 70% Fluoropolymer Finish (Duranar), Add	50.52	
			For Clear Anodized Finish, Add	42.10	
			For Color Anodized Finish, Add	58.94	
08 51	13 00-0221	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	1,134.47	111.15
			For 50% Fluoropolymer Finish (Acrynar), Add	18.98	
			For 70% Fluoropolymer Finish (Duranar), Add	56.95	
			For Clear Anodized Finish, Add	47.46	
			For Color Anodized Finish, Add	66.44	
08 51	13 00-0222	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	1,271.78	117.69
			For 50% Fluoropolymer Finish (Acrynar), Add	21.51	
			For 70% Fluoropolymer Finish (Duranar), Add	64.54	
			For Clear Anodized Finish, Add	53.78	
			For Color Anodized Finish, Add	75.29	
08 51	13 00-0223	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	78.25	3.93
			For 50% Fluoropolymer Finish (Acrynar), Add	1.43	
			For 70% Fluoropolymer Finish (Duranar), Add	4.30	
			For Clear Anodized Finish, Add	3.59	
			For Color Anodized Finish, Add	5.02	
08 51	13 00-0224		4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) <small>(08 51 13 00-0208)</small>		
08 51	13 00-0225	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) .....	1,070.60	104.62
			For 50% Fluoropolymer Finish (Acrynar), Add	17.92	
			For 70% Fluoropolymer Finish (Duranar), Add	53.77	
			For Clear Anodized Finish, Add	44.81	
			For Color Anodized Finish, Add	62.74	
08 51	13 00-0226	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) .....	1,197.66	111.15
			For 50% Fluoropolymer Finish (Acrynar), Add	20.25	
			For 70% Fluoropolymer Finish (Duranar), Add	60.74	
			For Clear Anodized Finish, Add	50.62	
			For Color Anodized Finish, Add	70.87	
08 51	13 00-0227	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) .....	1,345.39	117.69
			For 50% Fluoropolymer Finish (Acrynar), Add	22.98	
			For 70% Fluoropolymer Finish (Duranar), Add	68.95	
			For Clear Anodized Finish, Add	57.46	
			For Color Anodized Finish, Add	80.45	
08 51	13 00-0228	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) .....	83.16	3.93
			For 50% Fluoropolymer Finish (Acrynar), Add	1.53	
			For 70% Fluoropolymer Finish (Duranar), Add	4.60	
			For Clear Anodized Finish, Add	3.83	
			For Color Anodized Finish, Add	5.36	
08 51	13 00-0229		Fixed Over Vent, Casement Aluminum Windows <small>(08 51 13 00-0207)</small>		
08 51	13 00-0230		2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) <small>(08 51 13 00-0229)</small>		
08 51	13 00-0231	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) .....	788.93	104.62
			For 50% Fluoropolymer Finish (Acrynar), Add	12.29	
			For 70% Fluoropolymer Finish (Duranar), Add	36.87	
			For Clear Anodized Finish, Add	30.73	
			For Color Anodized Finish, Add	43.02	
08 51	13 00-0232	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) .....	869.51	111.15
			For 50% Fluoropolymer Finish (Acrynar), Add	13.69	
			For 70% Fluoropolymer Finish (Duranar), Add	41.06	
			For Clear Anodized Finish, Add	34.21	
			For Color Anodized Finish, Add	47.90	
08 51	13 00-0233	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) .....	963.10	117.69
			For 50% Fluoropolymer Finish (Acrynar), Add	15.34	
			For 70% Fluoropolymer Finish (Duranar), Add	46.02	
			For Clear Anodized Finish, Add	38.35	
			For Color Anodized Finish, Add	53.69	
08 51	13 00-0234	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) .....	57.66	3.93
			For 50% Fluoropolymer Finish (Acrynar), Add	1.02	
			For 70% Fluoropolymer Finish (Duranar), Add	3.07	
			For Clear Anodized Finish, Add	2.56	
			For Color Anodized Finish, Add	3.58	
08 51	13 00-0235		2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) <small>(08 51 13 00-0229)</small>		





<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0236 EA Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	1,107.33	104.62
For 50% Fluoropolymer Finish (Acrynar), Add	18.66	
For 70% Fluoropolymer Finish (Durandar), Add	55.98	
For Clear Anodized Finish, Add	46.65	
For Color Anodized Finish, Add	65.31	
08 51 13 00-0237 EA >6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	1,240.45	111.15
For 50% Fluoropolymer Finish (Acrynar), Add	21.10	
For 70% Fluoropolymer Finish (Durandar), Add	63.31	
For Clear Anodized Finish, Add	52.76	
For Color Anodized Finish, Add	73.86	
08 51 13 00-0238 EA >10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	1,395.25	117.69
For 50% Fluoropolymer Finish (Acrynar), Add	23.98	
For 70% Fluoropolymer Finish (Durandar), Add	71.95	
For Clear Anodized Finish, Add	59.96	
For Color Anodized Finish, Add	83.94	
08 51 13 00-0239 SF >15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	86.49	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	1.60	
For 70% Fluoropolymer Finish (Durandar), Add	4.80	
For Clear Anodized Finish, Add	4.00	
For Color Anodized Finish, Add	5.60	
<b>08 51 13 00-0240 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0229)</b>		
08 51 13 00-0241 EA Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	1,224.56	104.62
For 50% Fluoropolymer Finish (Acrynar), Add	21.00	
For 70% Fluoropolymer Finish (Durandar), Add	63.01	
For Clear Anodized Finish, Add	52.51	
For Color Anodized Finish, Add	73.51	
08 51 13 00-0242 EA >6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	1,377.03	111.15
For 50% Fluoropolymer Finish (Acrynar), Add	23.84	
For 70% Fluoropolymer Finish (Durandar), Add	71.51	
For Clear Anodized Finish, Add	59.59	
For Color Anodized Finish, Add	83.42	
08 51 13 00-0243 EA >10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	1,554.34	117.69
For 50% Fluoropolymer Finish (Acrynar), Add	27.16	
For 70% Fluoropolymer Finish (Durandar), Add	81.49	
For Clear Anodized Finish, Add	67.91	
For Color Anodized Finish, Add	95.07	
08 51 13 00-0244 SF >15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	97.08	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	1.81	
For 70% Fluoropolymer Finish (Durandar), Add	5.43	
For Clear Anodized Finish, Add	4.53	
For Color Anodized Finish, Add	6.34	
<b>08 51 13 00-0245 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0229)</b>		
08 51 13 00-0246 EA Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) .....	1,331.27	104.62
For 50% Fluoropolymer Finish (Acrynar), Add	23.14	
For 70% Fluoropolymer Finish (Durandar), Add	69.41	
For Clear Anodized Finish, Add	57.85	
For Color Anodized Finish, Add	80.98	
08 51 13 00-0247 EA >6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) .....	1,501.35	111.15
For 50% Fluoropolymer Finish (Acrynar), Add	26.32	
For 70% Fluoropolymer Finish (Durandar), Add	78.97	
For Clear Anodized Finish, Add	65.80	
For Color Anodized Finish, Add	92.13	
08 51 13 00-0248 EA >10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) .....	1,699.18	117.69
For 50% Fluoropolymer Finish (Acrynar), Add	30.06	
For 70% Fluoropolymer Finish (Durandar), Add	90.18	
For Clear Anodized Finish, Add	75.15	
For Color Anodized Finish, Add	105.21	
08 51 13 00-0249 SF >15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) .....	106.74	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	2.00	
For 70% Fluoropolymer Finish (Durandar), Add	6.01	
For Clear Anodized Finish, Add	5.01	
For Color Anodized Finish, Add	7.01	
08 51 13 00-0250 Aluminum Window Accessories (08 51 13)		
08 51 13 00-0251 Aluminum Window Mullions (08 51 13 00-0250)		

**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0252	LF		Integral Mullions For Aluminum Windows.....	24.19	4.90
			For 50% Fluoropolymer Finish (Acrynar), Add	0.30	
			For 70% Fluoropolymer Finish (Duranar), Add	0.91	
			For Clear Anodized Finish, Add	0.76	
			For Color Anodized Finish, Add	1.06	
<b>08 51 13 00-0253</b>			<b>Aluminum Window Panning</b> (08 51 13 00-0250)		
			Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.		
08 51 13 00-0254	EA		Up To 6 SF Window, Aluminum Window Panning.....	246.09	40.16
			For 50% Fluoropolymer Finish (Acrynar), Add	3.58	
			For 70% Fluoropolymer Finish (Duranar), Add	10.75	
			For Clear Anodized Finish, Add	8.96	
			For Color Anodized Finish, Add	12.54	
08 51 13 00-0255	EA		>6 To 10 SF Window, Aluminum Window Panning.....	342.52	66.93
			For 50% Fluoropolymer Finish (Acrynar), Add	4.62	
			For 70% Fluoropolymer Finish (Duranar), Add	13.86	
			For Clear Anodized Finish, Add	11.55	
			For Color Anodized Finish, Add	16.17	
08 51 13 00-0256	EA		>10 To 15 SF Window, Aluminum Window Panning.....	419.90	100.41
			For 50% Fluoropolymer Finish (Acrynar), Add	5.05	
			For 70% Fluoropolymer Finish (Duranar), Add	15.15	
			For Clear Anodized Finish, Add	12.63	
			For Color Anodized Finish, Add	17.68	
08 51 13 00-0257	EA		>15 To 20 SF Window, Aluminum Window Panning.....	501.58	133.87
			For 50% Fluoropolymer Finish (Acrynar), Add	5.57	
			For 70% Fluoropolymer Finish (Duranar), Add	16.71	
			For Clear Anodized Finish, Add	13.92	
			For Color Anodized Finish, Add	19.49	
08 51 13 00-0258	EA		>20 To 30 SF Window, Aluminum Window Panning.....	662.78	200.80
			For 50% Fluoropolymer Finish (Acrynar), Add	6.56	
			For 70% Fluoropolymer Finish (Duranar), Add	19.69	
			For Clear Anodized Finish, Add	16.41	
			For Color Anodized Finish, Add	22.97	
08 51 13 00-0259	SF		>30 SF Window, Aluminum Window Panning.....	24.20	8.37
			For 50% Fluoropolymer Finish (Acrynar), Add	0.21	
			For 70% Fluoropolymer Finish (Duranar), Add	0.62	
			For Clear Anodized Finish, Add	0.51	
			For Color Anodized Finish, Add	0.72	
<b>08 51 13 00-0260</b>			<b>Aluminum Window Muntins, Grilles Or Dividers</b> (08 51 13 00-0250)		
08 51 13 00-0261	SF		Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows.....	7.51	4.90
			For 50% Fluoropolymer Finish (Acrynar), Add	0.02	
			For 70% Fluoropolymer Finish (Duranar), Add	0.06	
			For Clear Anodized Finish, Add	0.05	
			For Color Anodized Finish, Add	0.07	
08 51 13 00-0262	SF		Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows.....	10.32	4.90
			For 50% Fluoropolymer Finish (Acrynar), Add	0.08	
			For 70% Fluoropolymer Finish (Duranar), Add	0.23	
			For Clear Anodized Finish, Add	0.19	
			For Color Anodized Finish, Add	0.26	
08 51 13 00-0263	SF		Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows.....	21.75	4.90
			For 50% Fluoropolymer Finish (Acrynar), Add	0.11	
			For 70% Fluoropolymer Finish (Duranar), Add	0.32	
			For Clear Anodized Finish, Add	0.27	
			For Color Anodized Finish, Add	0.38	
08 51 13 00-0264	SF		True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows.....	26.08	4.90
			For 50% Fluoropolymer Finish (Acrynar), Add	0.15	
			For 70% Fluoropolymer Finish (Duranar), Add	0.45	
			For Clear Anodized Finish, Add	0.38	
			For Color Anodized Finish, Add	0.53	
<b>08 51 13 00-0265</b>			<b>Other Aluminum Window Accessories</b> (08 51 13 00-0250)		
08 51 13 00-0266	EA		Roto Operator For Casement Aluminum Windows.....	192.31	21.78
08 51 13 00-0267	EA		Head And Sill Automatic Locks For Hung Aluminum Windows.....	97.33	21.78
<b>08 51 19</b>			<b>Stainless-Steel Windows</b> (08 51)		
			See CSI section 08 80 00 00-0000 for glazing.		
<b>08 51 19 00-0001</b>			<b>Stainless Steel Windows Types</b> (08 51 19)		
<b>08 51 19 00-0002</b>			<b>Industrial</b> (08 51 19 00-0001)		
08 51 19 00-0003	SF		Stainless Steel Window With Horizontal Pivot Sash.....	87.72	6.54
08 51 19 00-0004	SF		Stainless Steel Window, Fixed Sash.....	66.04	6.54
<b>08 51 19 00-0005</b>			<b>Projected Sash</b> (08 51 19 00-0001)		
08 51 19 00-0006	SF		Commercial Projected Sash Window - 40% Vented Stainless Steel.....	91.77	6.54
08 51 19 00-0007	SF		Intermediate Projected Sash Window - 40% Vented Stainless Steel.....	101.36	6.54



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 51 19 00-0008 Other Type Sash</b> <small>(08 51 19 00-0001)</small>		
08 51 19 00-0009 SF Double Hung Stainless Steel Window Sash .....	110.92	6.54
08 51 19 00-0010 SF Single Hung Stainless Steel Window Sash .....	78.35	6.54
08 51 19 00-0011 SF Stainless Steel Picture Window Sash .....	65.40	6.54
08 51 19 00-0012 SF Sliding Stainless Steel Window .....	114.43	6.54
<b>08 51 19 00-0013 Casements</b> <small>(08 51 19 00-0001)</small>		
08 51 19 00-0014 SF Stainless Steel Window Casements, 100% Vented Operable, Factory Primed .....	99.37	6.54
08 51 19 00-0015 SF Stainless Steel Window Casements, 50% Vented Operable, Factory Primed .....	85.89	6.54
08 51 19 00-0016 SF Stainless Steel Window Casements, Fixed Sash, Factory Primed .....	60.46	6.54
<b>08 51 23 Steel Windows</b> <small>(08 51)</small>		
<small>Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.</small>		
<b>08 51 23 00-0001 Steel Windows</b> <small>(08 51 23)</small>		
<b>08 51 23 00-0002 Industrial</b> <small>(08 51 23 00-0001)</small>		
08 51 23 00-0003 SF Industrial Steel Window With Horizontal Pivot Sash .....	50.86	6.54
08 51 23 00-0004 SF Industrial Steel Window, With Fixed Sash .....	46.02	6.54
08 51 23 00-0005 SF Industrial Steel Window, With Operable Security Sash .....	70.73	6.54
08 51 23 00-0006 SF Industrial Steel Window, With Fixed Security Sash .....	61.04	6.54
<b>08 51 23 00-0007 Projected Sash</b> <small>(08 51 23 00-0001)</small>		
08 51 23 00-0008 SF Commercial Projected Sash Window - 40% Vented Steel .....	55.92	6.54
08 51 23 00-0009 SF Intermediate Projected Sash Window - 40% Vented Steel .....	61.24	6.54
<b>08 51 23 00-0010 Other Type Sash</b> <small>(08 51 23 00-0001)</small>		
08 51 23 00-0011 SF Double Hung Steel Window Sash .....	70.65	6.54
08 51 23 00-0012 SF Steel Picture Window Sash .....	32.72	6.54
08 51 23 00-0013 SF Fire Rated Double Hung Steel Window Sash .....	72.75	8.18
08 51 23 00-0014 SF Single Hung Steel Window Sash .....	51.20	6.54
<b>08 51 23 00-0015 Casements</b> <small>(08 51 23 00-0001)</small>		
08 51 23 00-0016 SF Steel Window Casements, 100% Vented Operable, Factory Primed .....	63.76	3.27
08 51 23 00-0017 SF Steel Window Casements, 50% Vented Operable, Factory Primed .....	55.71	3.27
08 51 23 00-0018 SF Steel Window Casements, Fixed Sash, Factory Primed .....	40.51	4.90
<b>08 51 23 00-0019 Mullions</b> <small>(08 51 23 00-0001)</small>		
08 51 23 00-0020 LF Open Faced Steel Mullion .....	25.04	4.90
08 51 23 00-0021 LF Covered Steel Mullions .....	40.27	4.90
<b>08 51 23 00-0022 Removal And Reinstallation Of Metal Window And Frame</b> <small>(08 51 23)</small>		
<small>Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.</small>		
08 51 23 00-0023 SF Removal And Reinstallation Of Metal Window And Frame .....	16.81	
<b>08 51 69 Metal Storm Windows</b> <small>(08 51)</small>		
<b>08 51 69 00-0001 Storm Windows</b> <small>(08 51 69)</small>		
08 51 69 00-0002 SF Double Hung, Aluminum, Combination Storm And Screen .....	46.20	3.27
<b>08 52 Wood Windows</b> <small>(08 50)</small>		
<b>08 52 11 Wood Windows</b> <small>(08 52)</small>		
<b>08 52 11 00-0001 Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11)</small>		
<small>Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.</small>		
<b>08 52 11 00-0002 30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0003 EA 20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows .....	377.25	
For Low-E Insulated Glass, Add	34.45	
For Aluminum Clad Exterior, Add	36.91	
08 52 11 00-0004 EA 24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows .....	401.05	
For Low-E Insulated Glass, Add	36.92	
For Aluminum Clad Exterior, Add	39.56	
08 52 11 00-0005 EA 28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows .....	426.62	
For Low-E Insulated Glass, Add	39.65	
For Aluminum Clad Exterior, Add	42.48	
08 52 11 00-0006 EA 30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows .....	440.29	
For Low-E Insulated Glass, Add	41.14	
For Aluminum Clad Exterior, Add	44.07	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0007	EA		32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	452.19	
			<i>For Low-E Insulated Glass, Add</i>	42.38	
			<i>For Aluminum Clad Exterior, Add</i>	45.40	
08 52 11 00-0008	EA		34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	467.64	
			<i>For Low-E Insulated Glass, Add</i>	44.11	
			<i>For Aluminum Clad Exterior, Add</i>	47.26	
08 52 11 00-0009	EA		36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	474.29	
			<i>For Low-E Insulated Glass, Add</i>	44.61	
			<i>For Aluminum Clad Exterior, Add</i>	47.80	
08 52 11 00-0010	EA		40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	505.11	
			<i>For Low-E Insulated Glass, Add</i>	48.07	
			<i>For Aluminum Clad Exterior, Add</i>	51.51	
08 52 11 00-0011	EA		44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	530.67	
			<i>For Low-E Insulated Glass, Add</i>	50.80	
			<i>For Aluminum Clad Exterior, Add</i>	54.43	
<b>08 52 11 00-0012</b>			<b>34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0013	EA		20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	401.05	
			<i>For Low-E Insulated Glass, Add</i>	36.92	
			<i>For Aluminum Clad Exterior, Add</i>	39.56	
08 52 11 00-0014	EA		24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	426.62	
			<i>For Low-E Insulated Glass, Add</i>	39.65	
			<i>For Aluminum Clad Exterior, Add</i>	42.48	
08 52 11 00-0015	EA		28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	449.14	
			<i>For Low-E Insulated Glass, Add</i>	42.38	
			<i>For Aluminum Clad Exterior, Add</i>	45.40	
08 52 11 00-0016	EA		30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	467.64	
			<i>For Low-E Insulated Glass, Add</i>	44.11	
			<i>For Aluminum Clad Exterior, Add</i>	47.26	
08 52 11 00-0017	EA		32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	479.54	
			<i>For Low-E Insulated Glass, Add</i>	45.35	
			<i>For Aluminum Clad Exterior, Add</i>	48.59	
08 52 11 00-0018	EA		34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	493.21	
			<i>For Low-E Insulated Glass, Add</i>	46.84	
			<i>For Aluminum Clad Exterior, Add</i>	50.18	
08 52 11 00-0019	EA		36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	505.11	
			<i>For Low-E Insulated Glass, Add</i>	48.07	
			<i>For Aluminum Clad Exterior, Add</i>	51.51	
08 52 11 00-0020	EA		40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	530.67	
			<i>For Low-E Insulated Glass, Add</i>	50.80	
			<i>For Aluminum Clad Exterior, Add</i>	54.43	
08 52 11 00-0021	EA		44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	556.25	
			<i>For Low-E Insulated Glass, Add</i>	53.53	
			<i>For Aluminum Clad Exterior, Add</i>	57.35	
<b>08 52 11 00-0022</b>			<b>36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0023	EA		20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	413.19	
			<i>For Low-E Insulated Glass, Add</i>	38.41	
			<i>For Aluminum Clad Exterior, Add</i>	41.15	
08 52 11 00-0024	EA		24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	438.76	
			<i>For Low-E Insulated Glass, Add</i>	41.14	
			<i>For Aluminum Clad Exterior, Add</i>	44.07	
08 52 11 00-0025	EA		28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	466.11	
			<i>For Low-E Insulated Glass, Add</i>	44.11	
			<i>For Aluminum Clad Exterior, Add</i>	47.26	
08 52 11 00-0026	EA		30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	478.01	
			<i>For Low-E Insulated Glass, Add</i>	45.35	
			<i>For Aluminum Clad Exterior, Add</i>	48.59	
08 52 11 00-0027	EA		32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	491.68	
			<i>For Low-E Insulated Glass, Add</i>	46.84	
			<i>For Aluminum Clad Exterior, Add</i>	50.18	
08 52 11 00-0028	EA		34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	503.58	
			<i>For Low-E Insulated Glass, Add</i>	48.07	
			<i>For Aluminum Clad Exterior, Add</i>	51.51	
08 52 11 00-0029	EA		36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	517.25	
			<i>For Low-E Insulated Glass, Add</i>	49.56	
			<i>For Aluminum Clad Exterior, Add</i>	53.10	
08 52 11 00-0030	EA		40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	541.05	
			<i>For Low-E Insulated Glass, Add</i>	52.04	
			<i>For Aluminum Clad Exterior, Add</i>	55.76	
08 52 11 00-0031	EA		44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	566.64	
			<i>For Low-E Insulated Glass, Add</i>	54.77	
			<i>For Aluminum Clad Exterior, Add</i>	58.68	
<b>08 52 11 00-0032</b>			<b>38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0033	EA		20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	428.14	
			<i>For Low-E Insulated Glass, Add</i>	39.65	
			<i>For Aluminum Clad Exterior, Add</i>	42.48	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Windows</b>	<b>08 50</b>	
<b>Wood Windows</b>	<b>08 52</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0034 EA 24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	453.72	
<i>For Low-E Insulated Glass, Add</i>	42.38	
<i>For Aluminum Clad Exterior, Add</i>	45.40	
08 52 11 00-0035 EA 28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	481.06	
<i>For Low-E Insulated Glass, Add</i>	45.35	
<i>For Aluminum Clad Exterior, Add</i>	48.59	
08 52 11 00-0036 EA 30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	494.73	
<i>For Low-E Insulated Glass, Add</i>	46.84	
<i>For Aluminum Clad Exterior, Add</i>	50.18	
08 52 11 00-0037 EA 32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	506.63	
<i>For Low-E Insulated Glass, Add</i>	48.07	
<i>For Aluminum Clad Exterior, Add</i>	51.51	
08 52 11 00-0038 EA 34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	520.30	
<i>For Low-E Insulated Glass, Add</i>	49.56	
<i>For Aluminum Clad Exterior, Add</i>	53.10	
08 52 11 00-0039 EA 36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	532.20	
<i>For Low-E Insulated Glass, Add</i>	50.80	
<i>For Aluminum Clad Exterior, Add</i>	54.43	
08 52 11 00-0040 EA 40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	557.78	
<i>For Low-E Insulated Glass, Add</i>	53.53	
<i>For Aluminum Clad Exterior, Add</i>	57.35	
08 52 11 00-0041 EA 44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	583.36	
<i>For Low-E Insulated Glass, Add</i>	56.25	
<i>For Aluminum Clad Exterior, Add</i>	60.27	
<b>08 52 11 00-0042 46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
<small>(08 52 11 00-0001)</small>		
08 52 11 00-0043 EA 20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	479.54	
<i>For Low-E Insulated Glass, Add</i>	45.35	
<i>For Aluminum Clad Exterior, Add</i>	48.59	
08 52 11 00-0044 EA 24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	505.11	
<i>For Low-E Insulated Glass, Add</i>	48.07	
<i>For Aluminum Clad Exterior, Add</i>	51.51	
08 52 11 00-0045 EA 28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	530.67	
<i>For Low-E Insulated Glass, Add</i>	50.80	
<i>For Aluminum Clad Exterior, Add</i>	54.43	
08 52 11 00-0046 EA 30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	542.58	
<i>For Low-E Insulated Glass, Add</i>	52.04	
<i>For Aluminum Clad Exterior, Add</i>	55.76	
08 52 11 00-0047 EA 32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	556.25	
<i>For Low-E Insulated Glass, Add</i>	53.53	
<i>For Aluminum Clad Exterior, Add</i>	57.35	
08 52 11 00-0048 EA 34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	568.16	
<i>For Low-E Insulated Glass, Add</i>	54.77	
<i>For Aluminum Clad Exterior, Add</i>	58.68	
08 52 11 00-0049 EA 36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	581.83	
<i>For Low-E Insulated Glass, Add</i>	56.25	
<i>For Aluminum Clad Exterior, Add</i>	60.27	
08 52 11 00-0050 EA 40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	607.40	
<i>For Low-E Insulated Glass, Add</i>	58.98	
<i>For Aluminum Clad Exterior, Add</i>	63.19	
08 52 11 00-0051 EA 44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	634.75	
<i>For Low-E Insulated Glass, Add</i>	61.95	
<i>For Aluminum Clad Exterior, Add</i>	66.38	
<b>08 52 11 00-0052 48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
<small>(08 52 11 00-0001)</small>		
08 52 11 00-0053 EA 20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	491.68	
<i>For Low-E Insulated Glass, Add</i>	46.84	
<i>For Aluminum Clad Exterior, Add</i>	50.18	
08 52 11 00-0054 EA 24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	517.25	
<i>For Low-E Insulated Glass, Add</i>	49.56	
<i>For Aluminum Clad Exterior, Add</i>	53.10	
08 52 11 00-0055 EA 28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	541.05	
<i>For Low-E Insulated Glass, Add</i>	52.04	
<i>For Aluminum Clad Exterior, Add</i>	55.76	
08 52 11 00-0056 EA 30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	554.73	
<i>For Low-E Insulated Glass, Add</i>	53.53	
<i>For Aluminum Clad Exterior, Add</i>	57.35	
08 52 11 00-0057 EA 32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	566.64	
<i>For Low-E Insulated Glass, Add</i>	54.77	
<i>For Aluminum Clad Exterior, Add</i>	58.68	
08 52 11 00-0058 EA 34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	580.31	
<i>For Low-E Insulated Glass, Add</i>	56.25	
<i>For Aluminum Clad Exterior, Add</i>	60.27	
08 52 11 00-0059 EA 36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	592.21	
<i>For Low-E Insulated Glass, Add</i>	57.49	
<i>For Aluminum Clad Exterior, Add</i>	61.60	
08 52 11 00-0060 EA 40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	619.55	
<i>For Low-E Insulated Glass, Add</i>	60.47	
<i>For Aluminum Clad Exterior, Add</i>	64.79	
08 52 11 00-0061 EA 44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	645.13	
<i>For Low-E Insulated Glass, Add</i>	63.19	
<i>For Aluminum Clad Exterior, Add</i>	67.71	

**08 Openings****08 50 Windows****08 52 Wood Windows**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0062			<b>50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0063	EA		20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	506.63	
			<i>For Low-E Insulated Glass, Add</i>	48.07	
			<i>For Aluminum Clad Exterior, Add</i>	51.51	
08 52 11 00-0064	EA		24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	532.20	
			<i>For Low-E Insulated Glass, Add</i>	50.80	
			<i>For Aluminum Clad Exterior, Add</i>	54.43	
08 52 11 00-0065	EA		28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	557.78	
			<i>For Low-E Insulated Glass, Add</i>	53.53	
			<i>For Aluminum Clad Exterior, Add</i>	57.35	
08 52 11 00-0066	EA		30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	569.69	
			<i>For Low-E Insulated Glass, Add</i>	54.77	
			<i>For Aluminum Clad Exterior, Add</i>	58.68	
08 52 11 00-0067	EA		32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	583.36	
			<i>For Low-E Insulated Glass, Add</i>	56.25	
			<i>For Aluminum Clad Exterior, Add</i>	60.27	
08 52 11 00-0068	EA		34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	595.26	
			<i>For Low-E Insulated Glass, Add</i>	57.49	
			<i>For Aluminum Clad Exterior, Add</i>	61.60	
08 52 11 00-0069	EA		36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	608.93	
			<i>For Low-E Insulated Glass, Add</i>	58.98	
			<i>For Aluminum Clad Exterior, Add</i>	63.19	
08 52 11 00-0070	EA		40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	636.28	
			<i>For Low-E Insulated Glass, Add</i>	61.95	
			<i>For Aluminum Clad Exterior, Add</i>	66.38	
08 52 11 00-0071	EA		44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	661.85	
			<i>For Low-E Insulated Glass, Add</i>	64.68	
			<i>For Aluminum Clad Exterior, Add</i>	69.30	
08 52 11 00-0072			<b>54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0073	EA		20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	532.20	
			<i>For Low-E Insulated Glass, Add</i>	50.80	
			<i>For Aluminum Clad Exterior, Add</i>	54.43	
08 52 11 00-0074	EA		24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	557.78	
			<i>For Low-E Insulated Glass, Add</i>	53.53	
			<i>For Aluminum Clad Exterior, Add</i>	57.35	
08 52 11 00-0075	EA		28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	583.36	
			<i>For Low-E Insulated Glass, Add</i>	56.25	
			<i>For Aluminum Clad Exterior, Add</i>	60.27	
08 52 11 00-0076	EA		30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	595.26	
			<i>For Low-E Insulated Glass, Add</i>	57.49	
			<i>For Aluminum Clad Exterior, Add</i>	61.60	
08 52 11 00-0077	EA		32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	608.93	
			<i>For Low-E Insulated Glass, Add</i>	58.98	
			<i>For Aluminum Clad Exterior, Add</i>	63.19	
08 52 11 00-0078	EA		34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	622.61	
			<i>For Low-E Insulated Glass, Add</i>	60.47	
			<i>For Aluminum Clad Exterior, Add</i>	64.79	
08 52 11 00-0079	EA		36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	636.28	
			<i>For Low-E Insulated Glass, Add</i>	61.95	
			<i>For Aluminum Clad Exterior, Add</i>	66.38	
08 52 11 00-0080	EA		40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	661.85	
			<i>For Low-E Insulated Glass, Add</i>	64.68	
			<i>For Aluminum Clad Exterior, Add</i>	69.30	
08 52 11 00-0081	EA		44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	687.42	
			<i>For Low-E Insulated Glass, Add</i>	67.40	
			<i>For Aluminum Clad Exterior, Add</i>	72.22	
08 52 11 00-0082			<b>58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0083	EA		20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	556.25	
			<i>For Low-E Insulated Glass, Add</i>	53.53	
			<i>For Aluminum Clad Exterior, Add</i>	57.35	
08 52 11 00-0084	EA		24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	581.83	
			<i>For Low-E Insulated Glass, Add</i>	56.25	
			<i>For Aluminum Clad Exterior, Add</i>	60.27	
08 52 11 00-0085	EA		28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	607.40	
			<i>For Low-E Insulated Glass, Add</i>	58.98	
			<i>For Aluminum Clad Exterior, Add</i>	63.19	
08 52 11 00-0086	EA		30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	621.07	
			<i>For Low-E Insulated Glass, Add</i>	60.47	
			<i>For Aluminum Clad Exterior, Add</i>	64.79	
08 52 11 00-0087	EA		32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	634.75	
			<i>For Low-E Insulated Glass, Add</i>	61.95	
			<i>For Aluminum Clad Exterior, Add</i>	66.38	
08 52 11 00-0088	EA		34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	646.65	
			<i>For Low-E Insulated Glass, Add</i>	63.19	
			<i>For Aluminum Clad Exterior, Add</i>	67.71	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Windows</b>	<b>08 50</b>	
<b>Wood Windows</b>	<b>08 52</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0089 EA 36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	660.32	
For Low-E Insulated Glass, Add	64.68	
For Aluminum Clad Exterior, Add	69.30	
08 52 11 00-0090 EA 40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	685.89	
For Low-E Insulated Glass, Add	67.40	
For Aluminum Clad Exterior, Add	72.22	
08 52 11 00-0091 EA 44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	709.70	
For Low-E Insulated Glass, Add	69.88	
For Aluminum Clad Exterior, Add	74.87	
<b>08 52 11 00-0092 60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
<small>(08 52 11 00-0001)</small>		
08 52 11 00-0093 EA 20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	566.64	
For Low-E Insulated Glass, Add	54.77	
For Aluminum Clad Exterior, Add	58.68	
08 52 11 00-0094 EA 24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	592.21	
For Low-E Insulated Glass, Add	57.49	
For Aluminum Clad Exterior, Add	61.60	
08 52 11 00-0095 EA 28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	619.55	
For Low-E Insulated Glass, Add	60.47	
For Aluminum Clad Exterior, Add	64.79	
08 52 11 00-0096 EA 30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	633.23	
For Low-E Insulated Glass, Add	61.95	
For Aluminum Clad Exterior, Add	66.38	
08 52 11 00-0097 EA 32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	645.13	
For Low-E Insulated Glass, Add	63.19	
For Aluminum Clad Exterior, Add	67.71	
08 52 11 00-0098 EA 34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	658.80	
For Low-E Insulated Glass, Add	64.68	
For Aluminum Clad Exterior, Add	69.30	
08 52 11 00-0099 EA 36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	670.70	
For Low-E Insulated Glass, Add	65.92	
For Aluminum Clad Exterior, Add	70.63	
08 52 11 00-0100 EA 40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	696.27	
For Low-E Insulated Glass, Add	68.64	
For Aluminum Clad Exterior, Add	73.55	
08 52 11 00-0101 EA 44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	721.85	
For Low-E Insulated Glass, Add	71.37	
For Aluminum Clad Exterior, Add	76.47	
<b>08 52 11 00-0102 62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
<small>(08 52 11 00-0001)</small>		
08 52 11 00-0103 EA 20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	583.36	
For Low-E Insulated Glass, Add	56.25	
For Aluminum Clad Exterior, Add	60.27	
08 52 11 00-0104 EA 24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	608.93	
For Low-E Insulated Glass, Add	58.98	
For Aluminum Clad Exterior, Add	63.19	
08 52 11 00-0105 EA 28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	636.28	
For Low-E Insulated Glass, Add	61.95	
For Aluminum Clad Exterior, Add	66.38	
08 52 11 00-0106 EA 30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	648.18	
For Low-E Insulated Glass, Add	63.19	
For Aluminum Clad Exterior, Add	67.71	
08 52 11 00-0107 EA 32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	661.85	
For Low-E Insulated Glass, Add	64.68	
For Aluminum Clad Exterior, Add	69.30	
08 52 11 00-0108 EA 34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	673.75	
For Low-E Insulated Glass, Add	65.92	
For Aluminum Clad Exterior, Add	70.63	
08 52 11 00-0109 EA 36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	687.42	
For Low-E Insulated Glass, Add	67.40	
For Aluminum Clad Exterior, Add	72.22	
08 52 11 00-0110 EA 40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	711.23	
For Low-E Insulated Glass, Add	69.88	
For Aluminum Clad Exterior, Add	74.87	
08 52 11 00-0111 EA 44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	736.79	
For Low-E Insulated Glass, Add	72.61	
For Aluminum Clad Exterior, Add	77.79	
<b>08 52 11 00-0112 66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
<small>(08 52 11 00-0001)</small>		
08 52 11 00-0113 EA 20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	608.93	
For Low-E Insulated Glass, Add	58.98	
For Aluminum Clad Exterior, Add	63.19	
08 52 11 00-0114 EA 24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	636.28	
For Low-E Insulated Glass, Add	61.95	
For Aluminum Clad Exterior, Add	66.38	
08 52 11 00-0115 EA 28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	661.85	
For Low-E Insulated Glass, Add	64.68	
For Aluminum Clad Exterior, Add	69.30	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0116	EA		30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	673.75 65.92 70.63	
08 52 11 00-0117	EA		32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	687.42 67.40 72.22	
08 52 11 00-0118	EA		34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	699.32 68.64 73.55	
08 52 11 00-0119	EA		36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	711.23 69.88 74.87	
08 52 11 00-0120	EA		40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	736.79 72.61 77.79	
08 52 11 00-0121	EA		44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	762.36 75.33 80.72	
<b>08 52 11 00-0122</b>			<b>70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0123	EA		20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	634.75 61.95 66.38	
08 52 11 00-0124	EA		24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	660.32 64.68 69.30	
08 52 11 00-0125	EA		28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	685.89 67.40 72.22	
08 52 11 00-0126	EA		30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	697.79 68.64 73.55	
08 52 11 00-0127	EA		32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	709.70 69.88 74.87	
08 52 11 00-0128	EA		34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	728.62 72.10 77.25	
08 52 11 00-0129	EA		36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	737.12 72.87 78.07	
08 52 11 00-0130	EA		40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	760.84 75.33 80.72	
08 52 11 00-0131	EA		44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	788.18 78.31 83.90	
<b>08 52 11 00-0132</b>			<b>74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0133	EA		20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	661.85 64.68 69.30	
08 52 11 00-0134	EA		24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	687.42 67.40 72.22	
08 52 11 00-0135	EA		28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	711.23 69.88 74.87	
08 52 11 00-0136	EA		30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	724.90 71.37 76.47	
08 52 11 00-0137	EA		32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	736.79 72.61 77.79	
08 52 11 00-0138	EA		34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	750.46 74.10 79.39	
08 52 11 00-0139	EA		36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	762.36 75.33 80.72	
08 52 11 00-0140	EA		40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	789.71 78.31 83.90	
08 52 11 00-0141	EA		44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	815.28 81.03 86.82	
<b>08 52 11 00-0142</b>			<b>78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		





<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0143 EA 20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	693.53 67.40 72.22	
08 52 11 00-0144 EA 24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	717.32 69.88 74.87	
08 52 11 00-0145 EA 28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	742.89 72.61 77.79	
08 52 11 00-0146 EA 30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	756.56 74.10 79.39	
08 52 11 00-0147 EA 32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	768.47 75.33 80.72	
08 52 11 00-0148 EA 34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	782.14 76.82 82.31	
08 52 11 00-0149 EA 36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	795.81 78.31 83.90	
08 52 11 00-0150 EA 40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	821.38 81.03 86.82	
08 52 11 00-0151 EA 44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	846.95 83.76 89.74	
<b>08 52 11 00-0152 Commercial And Institutional Heavy Double Hung Windows</b> <small>(08 52 11)</small> Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0153 SF Up To 21 SF Double Hung Wood Window With True Divided Lite ..... <i>For Insulating Glass, Add</i>	100.13 6.20	13.63
08 52 11 00-0154 SF 21 To 40 SF Double Hung Wood Window With True Divided Lite ..... <i>For Insulating Glass, Add</i>	95.54 5.55	15.15
08 52 11 00-0155 SF 40 SF And Over Double Hung Wood Window With True Divided Lite ..... <i>For Insulating Glass, Add</i>	91.49 4.88	17.00
<b>08 52 11 00-0156 Architectural And Historic Reproduction Wood Windows</b> <small>(08 52 11)</small> Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0157 SF Up To 21 SF Architectural And Historic Reproduction Wood Window ..... <i>For Insulating Glass, Add</i>	107.82 6.85	13.62
08 52 11 00-0158 SF 21 To 40 SF Architectural And Historic Reproduction Wood Window ..... <i>For Insulating Glass, Add</i>	99.69 5.90	15.14
08 52 11 00-0159 SF 40 SF And Over Architectural And Historic Reproduction Wood Window ..... <i>For Insulating Glass, Add</i>	93.92 5.09	16.99
<b>08 52 11 00-0160 Removal And Reinstallation Of Wood Window And Frame</b> <small>(08 52 11)</small> Note: Includes storage, cleaning and supply materials.		
08 52 11 00-0161 SF Removal And Reinstallation Of Wood Windows And Frames.....	25.28	
<b>08 52 16 Plastic-Clad Wood Windows</b> <small>(08 52)</small>		
<b>08 52 16 00-0001 Double Hung Wood Clad Windows</b> <small>(08 52 16)</small> Note: Double hung windows feature two movable sashes that operate vertically and open independently.		
<b>08 52 16 00-0002 Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> <small>(08 52 16 00-0001)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0003 35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> <small>(08 52 16 00-0002)</small>		
08 52 16 00-0004 EA 23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	298.80 23.82 39.71	50.12
08 52 16 00-0005 EA 27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	316.04 25.37 42.28	52.31
08 52 16 00-0006 EA 31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	332.20 26.79 44.65	54.48
08 52 16 00-0007 EA 35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	348.36 28.20 47.01	56.67

**08 Openings****08 50 Windows**

08 52 Wood Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0008			<b>41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0002)		
08 52 16 00-0009	EA		23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	323.58	53.40
			<i>For Low-E Insulated Glass, Add</i>	26.01	
			<i>For Tempered Clear Insulated Glass, Add</i>	43.36	
08 52 16 00-0010	EA		27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	340.81	55.57
			<i>For Low-E Insulated Glass, Add</i>	27.56	
			<i>For Tempered Clear Insulated Glass, Add</i>	45.93	
08 52 16 00-0011	EA		31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	356.99	57.76
			<i>For Low-E Insulated Glass, Add</i>	28.98	
			<i>For Tempered Clear Insulated Glass, Add</i>	48.29	
08 52 16 00-0012	EA		35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	373.15	59.93
			<i>For Low-E Insulated Glass, Add</i>	30.39	
			<i>For Tempered Clear Insulated Glass, Add</i>	50.66	
08 52 16 00-0013			<b>47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0002)		
08 52 16 00-0014	EA		23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	348.36	56.67
			<i>For Low-E Insulated Glass, Add</i>	28.20	
			<i>For Tempered Clear Insulated Glass, Add</i>	47.01	
08 52 16 00-0015	EA		27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	364.53	58.85
			<i>For Low-E Insulated Glass, Add</i>	29.62	
			<i>For Tempered Clear Insulated Glass, Add</i>	49.37	
08 52 16 00-0016	EA		31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	381.76	61.02
			<i>For Low-E Insulated Glass, Add</i>	31.17	
			<i>For Tempered Clear Insulated Glass, Add</i>	51.94	
08 52 16 00-0017	EA		35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	397.93	63.21
			<i>For Low-E Insulated Glass, Add</i>	32.58	
			<i>For Tempered Clear Insulated Glass, Add</i>	54.30	
08 52 16 00-0018			<b>53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0002)		
08 52 16 00-0019	EA		23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	373.15	59.93
			<i>For Low-E Insulated Glass, Add</i>	30.39	
			<i>For Tempered Clear Insulated Glass, Add</i>	50.66	
08 52 16 00-0020	EA		27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	389.31	62.12
			<i>For Low-E Insulated Glass, Add</i>	31.81	
			<i>For Tempered Clear Insulated Glass, Add</i>	53.02	
08 52 16 00-0021	EA		31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	405.48	64.29
			<i>For Low-E Insulated Glass, Add</i>	33.23	
			<i>For Tempered Clear Insulated Glass, Add</i>	55.38	
08 52 16 00-0022	EA		35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	422.71	66.47
			<i>For Low-E Insulated Glass, Add</i>	34.77	
			<i>For Tempered Clear Insulated Glass, Add</i>	57.95	
08 52 16 00-0023			<b>56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0002)		
08 52 16 00-0024	EA		19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	368.84	59.93
			<i>For Low-E Insulated Glass, Add</i>	30.01	
			<i>For Tempered Clear Insulated Glass, Add</i>	50.01	
08 52 16 00-0025	EA		23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	385.00	61.57
			<i>For Low-E Insulated Glass, Add</i>	31.42	
			<i>For Tempered Clear Insulated Glass, Add</i>	52.37	
08 52 16 00-0026	EA		27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	402.24	64.29
			<i>For Low-E Insulated Glass, Add</i>	32.97	
			<i>For Tempered Clear Insulated Glass, Add</i>	54.95	
08 52 16 00-0027	EA		31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	418.40	66.47
			<i>For Low-E Insulated Glass, Add</i>	34.38	
			<i>For Tempered Clear Insulated Glass, Add</i>	57.31	
08 52 16 00-0028	EA		35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	434.57	68.65
			<i>For Low-E Insulated Glass, Add</i>	35.80	
			<i>For Tempered Clear Insulated Glass, Add</i>	59.67	
08 52 16 00-0029	EA		39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	450.72	70.83
			<i>For Low-E Insulated Glass, Add</i>	37.22	
			<i>For Tempered Clear Insulated Glass, Add</i>	62.03	
08 52 16 00-0030			<b>59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0002)		
08 52 16 00-0031	EA		19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	381.76	61.02
			<i>For Low-E Insulated Glass, Add</i>	31.17	
			<i>For Tempered Clear Insulated Glass, Add</i>	51.94	
08 52 16 00-0032	EA		23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	397.93	63.21
			<i>For Low-E Insulated Glass, Add</i>	32.58	
			<i>For Tempered Clear Insulated Glass, Add</i>	54.30	
08 52 16 00-0033	EA		27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	414.09	65.38
			<i>For Low-E Insulated Glass, Add</i>	34.00	
			<i>For Tempered Clear Insulated Glass, Add</i>	56.66	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0034	EA		31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	430.25 35.42 59.03	67.57
08 52 16 00-0035	EA		35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	446.42 36.83 61.39	69.74
08 52 16 00-0036	EA		39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	463.65 38.38 63.96	71.92
<b>08 52 16 00-0037</b>			<b>65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> <small>(08 52 16 00-0002)</small>		
08 52 16 00-0038	EA		23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	422.71 34.77 57.95	66.47
08 52 16 00-0039	EA		27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	438.88 36.19 60.31	68.65
08 52 16 00-0040	EA		31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	455.04 37.60 62.67	70.83
08 52 16 00-0041	EA		35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	471.20 39.02 65.04	73.02
<b>08 52 16 00-0042</b>			<b>71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> <small>(08 52 16 00-0002)</small>		
08 52 16 00-0043	EA		23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	446.42 36.83 61.39	69.74
08 52 16 00-0044	EA		27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	463.65 38.38 63.96	71.92
08 52 16 00-0045	EA		31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	479.83 39.79 66.32	74.10
08 52 16 00-0046	EA		35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	495.99 41.21 68.68	76.28
<b>08 52 16 00-0047</b>			<b>Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0001)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0048</b>			<b>36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0049	EA		21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	362.10 52.59	50.12
08 52 16 00-0050	EA		25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	383.63 56.02	51.77
08 52 16 00-0051	EA		29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	406.23 59.67	53.94
08 52 16 00-0052	EA		31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	418.08 61.60	55.57
08 52 16 00-0053	EA		33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	428.83 63.32	56.67
08 52 16 00-0054	EA		35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	439.60 65.04	57.76
08 52 16 00-0055	EA		37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	451.44 66.97	58.30
08 52 16 00-0056	EA		41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	472.97 70.40	60.48
08 52 16 00-0057	EA		45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	495.57 74.05	62.66
<b>08 52 16 00-0058</b>			<b>40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0059	EA		21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	383.63 56.02	52.31
08 52 16 00-0060	EA		25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	406.23 59.67	53.94
08 52 16 00-0061	EA		29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	428.83 63.32	56.13
08 52 16 00-0062	EA		31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	439.60 65.04	57.76
08 52 16 00-0063	EA		33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	451.44 66.97	58.85
08 52 16 00-0064	EA		35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	462.20 68.68	59.93

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-0065	EA	37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	472.97	60.48
		<i>For Tempered Low-E Insulated Glass, Add</i>	70.40	
08 52 16 00-0066	EA	41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	495.57	62.66
		<i>For Tempered Low-E Insulated Glass, Add</i>	74.05	
08 52 16 00-0067	EA	45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	518.17	64.84
		<i>For Tempered Low-E Insulated Glass, Add</i>	77.70	
<b>08 52 16 00-0068</b>		<b>44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0069	EA	21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	406.23	54.48
		<i>For Tempered Low-E Insulated Glass, Add</i>	59.67	
08 52 16 00-0070	EA	25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	428.83	56.13
		<i>For Tempered Low-E Insulated Glass, Add</i>	63.32	
08 52 16 00-0071	EA	29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	451.44	58.30
		<i>For Tempered Low-E Insulated Glass, Add</i>	66.97	
08 52 16 00-0072	EA	31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	462.20	59.93
		<i>For Tempered Low-E Insulated Glass, Add</i>	68.68	
08 52 16 00-0073	EA	33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	472.97	61.02
		<i>For Tempered Low-E Insulated Glass, Add</i>	70.40	
08 52 16 00-0074	EA	35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	484.81	62.12
		<i>For Tempered Low-E Insulated Glass, Add</i>	72.33	
08 52 16 00-0075	EA	37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	495.57	62.66
		<i>For Tempered Low-E Insulated Glass, Add</i>	74.05	
08 52 16 00-0076	EA	41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	518.17	64.84
		<i>For Tempered Low-E Insulated Glass, Add</i>	77.70	
08 52 16 00-0077	EA	45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	540.78	67.02
		<i>For Tempered Low-E Insulated Glass, Add</i>	81.35	
<b>08 52 16 00-0078</b>		<b>48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0079	EA	21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	428.83	56.67
		<i>For Tempered Low-E Insulated Glass, Add</i>	63.32	
08 52 16 00-0080	EA	25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	451.44	58.30
		<i>For Tempered Low-E Insulated Glass, Add</i>	66.97	
08 52 16 00-0081	EA	29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	472.97	60.48
		<i>For Tempered Low-E Insulated Glass, Add</i>	70.40	
08 52 16 00-0082	EA	31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	484.81	62.12
		<i>For Tempered Low-E Insulated Glass, Add</i>	72.33	
08 52 16 00-0083	EA	33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	495.57	63.21
		<i>For Tempered Low-E Insulated Glass, Add</i>	74.05	
08 52 16 00-0084	EA	35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	506.34	64.29
		<i>For Tempered Low-E Insulated Glass, Add</i>	75.77	
08 52 16 00-0085	EA	37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	518.17	64.84
		<i>For Tempered Low-E Insulated Glass, Add</i>	77.70	
08 52 16 00-0086	EA	41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	540.78	67.02
		<i>For Tempered Low-E Insulated Glass, Add</i>	81.35	
08 52 16 00-0087	EA	45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	562.31	69.20
		<i>For Tempered Low-E Insulated Glass, Add</i>	84.78	
<b>08 52 16 00-0088</b>		<b>52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0089	EA	21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	451.44	58.85
		<i>For Tempered Low-E Insulated Glass, Add</i>	66.97	
08 52 16 00-0090	EA	25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	472.97	60.48
		<i>For Tempered Low-E Insulated Glass, Add</i>	70.40	
08 52 16 00-0091	EA	29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	495.57	62.66
		<i>For Tempered Low-E Insulated Glass, Add</i>	74.05	
08 52 16 00-0092	EA	31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	506.34	64.29
		<i>For Tempered Low-E Insulated Glass, Add</i>	75.77	
08 52 16 00-0093	EA	33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	518.17	65.38
		<i>For Tempered Low-E Insulated Glass, Add</i>	77.70	
08 52 16 00-0094	EA	35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	528.94	66.47
		<i>For Tempered Low-E Insulated Glass, Add</i>	79.42	
08 52 16 00-0095	EA	37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	540.78	67.02
		<i>For Tempered Low-E Insulated Glass, Add</i>	81.35	
08 52 16 00-0096	EA	41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	562.31	69.20
		<i>For Tempered Low-E Insulated Glass, Add</i>	84.78	
08 52 16 00-0097	EA	45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	584.92	71.37
		<i>For Tempered Low-E Insulated Glass, Add</i>	88.43	
<b>08 52 16 00-0098</b>		<b>56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0099	EA	21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	472.97	61.02
		<i>For Tempered Low-E Insulated Glass, Add</i>	70.40	
08 52 16 00-0100	EA	25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	495.57	62.66
		<i>For Tempered Low-E Insulated Glass, Add</i>	74.05	
08 52 16 00-0101	EA	29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	518.17	64.84
		<i>For Tempered Low-E Insulated Glass, Add</i>	77.70	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0102 EA 31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	528.94 79.42	66.47
08 52 16 00-0103 EA 33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	540.78 81.35	67.57
08 52 16 00-0104 EA 35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	551.55 83.07	68.65
08 52 16 00-0105 EA 37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	562.31 84.78	69.20
08 52 16 00-0106 EA 41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	584.92 88.43	71.37
08 52 16 00-0107 EA 45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	607.52 92.08	73.56
<b>08 52 16 00-0108 60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)</b>		
08 52 16 00-0109 EA 21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	495.57 74.05	63.21
08 52 16 00-0110 EA 25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	518.17 77.70	64.84
08 52 16 00-0111 EA 29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	540.78 81.35	67.02
08 52 16 00-0112 EA 31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	551.55 83.07	68.65
08 52 16 00-0113 EA 33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	562.31 84.78	69.74
08 52 16 00-0114 EA 35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	574.14 86.71	70.83
08 52 16 00-0115 EA 37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	584.92 88.43	71.37
08 52 16 00-0116 EA 41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	607.52 92.08	73.56
08 52 16 00-0117 EA 45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	629.04 95.51	75.73
<b>08 52 16 00-0118 64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)</b>		
08 52 16 00-0119 EA 21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	518.17 77.70	65.38
08 52 16 00-0120 EA 25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	540.78 81.35	67.02
08 52 16 00-0121 EA 29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	562.31 84.78	69.20
08 52 16 00-0122 EA 31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	574.14 86.71	70.83
08 52 16 00-0123 EA 33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	584.92 88.43	71.92
08 52 16 00-0124 EA 35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	595.67 90.15	73.02
08 52 16 00-0125 EA 37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	607.52 92.08	73.56
08 52 16 00-0126 EA 41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	629.04 95.51	75.73
08 52 16 00-0127 EA 45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	651.65 99.16	77.92
<b>08 52 16 00-0128 68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)</b>		
08 52 16 00-0129 EA 21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	540.78 81.35	67.57
08 52 16 00-0130 EA 25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	562.31 84.78	69.20
08 52 16 00-0131 EA 29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	584.92 88.43	71.37
08 52 16 00-0132 EA 31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	595.67 90.15	73.02
08 52 16 00-0133 EA 33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	607.52 92.08	74.10
08 52 16 00-0134 EA 35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	618.28 93.80	75.19
08 52 16 00-0135 EA 37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	629.04 95.51	75.73
08 52 16 00-0136 EA 41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	651.65 99.16	77.92
08 52 16 00-0137 EA 45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	674.25 102.81	80.10
<b>08 52 16 00-0138 72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)</b>		

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0139	EA		21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	562.31	69.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	84.78	
08 52 16 00-0140	EA		25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	584.92	71.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	88.43	
08 52 16 00-0141	EA		29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	607.52	73.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.08	
08 52 16 00-0142	EA		31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	618.28	75.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	93.80	
08 52 16 00-0143	EA		33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	629.04	76.28
			<i>For Tempered Low-E Insulated Glass, Add</i>	95.51	
08 52 16 00-0144	EA		35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	640.88	77.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	97.45	
08 52 16 00-0145	EA		37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	651.65	77.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	99.16	
08 52 16 00-0146	EA		41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	674.25	80.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	102.81	
08 52 16 00-0147	EA		45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	696.86	82.27
			<i>For Tempered Low-E Insulated Glass, Add</i>	106.46	
<b>08 52 16 00-0148 76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)</b>					
08 52 16 00-0149	EA		21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	584.92	71.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	88.43	
08 52 16 00-0150	EA		25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	607.52	73.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.08	
08 52 16 00-0151	EA		29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	629.04	75.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	95.51	
08 52 16 00-0152	EA		31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	640.88	77.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	97.45	
08 52 16 00-0153	EA		33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	651.65	78.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	99.16	
08 52 16 00-0154	EA		35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	663.49	79.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	101.10	
08 52 16 00-0155	EA		37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	674.25	80.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	102.81	
08 52 16 00-0156	EA		41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	696.86	82.27
			<i>For Tempered Low-E Insulated Glass, Add</i>	106.46	
08 52 16 00-0157	EA		45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	718.39	84.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	109.90	
<b>08 52 16 00-0158 84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)</b>					
08 52 16 00-0159	EA		21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	884.47	76.28
			<i>For Tempered Low-E Insulated Glass, Add</i>	146.60	
08 52 16 00-0160	EA		25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	915.66	77.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	151.97	
08 52 16 00-0161	EA		29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	946.85	80.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	157.33	
08 52 16 00-0162	EA		31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	961.90	81.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	159.91	
08 52 16 00-0163	EA		33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	978.04	82.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	162.70	
08 52 16 00-0164	EA		35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	993.09	83.91
			<i>For Tempered Low-E Insulated Glass, Add</i>	165.27	
08 52 16 00-0165	EA		37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,008.15	84.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	167.85	
08 52 16 00-0166	EA		41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,039.33	86.63
			<i>For Tempered Low-E Insulated Glass, Add</i>	173.21	
08 52 16 00-0167	EA		45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,070.52	88.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	178.58	
<b>08 52 16 00-0168 88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)</b>					
08 52 16 00-0169	EA		21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	915.66	78.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	151.97	
08 52 16 00-0170	EA		25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	946.85	80.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	157.33	
08 52 16 00-0171	EA		29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	978.04	82.27
			<i>For Tempered Low-E Insulated Glass, Add</i>	162.70	
08 52 16 00-0172	EA		31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	993.09	83.91
			<i>For Tempered Low-E Insulated Glass, Add</i>	165.27	
08 52 16 00-0173	EA		33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,008.15	85.00
			<i>For Tempered Low-E Insulated Glass, Add</i>	167.85	
08 52 16 00-0174	EA		35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,024.28	86.09
			<i>For Tempered Low-E Insulated Glass, Add</i>	170.64	
08 52 16 00-0175	EA		37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,039.33	86.63
			<i>For Tempered Low-E Insulated Glass, Add</i>	173.21	
08 52 16 00-0176	EA		41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,070.52	88.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	178.58	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0177 EA 45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,101.71 183.95	90.99
<b>08 52 16 00-0178 Casement Wood Clad Windows (08 52 16)</b> Note: Casement windows are hinged on one side and swing inward or outward with a crank or push out operation.		
<b>08 52 16 00-0179 Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0178)</b> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0180 One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)</b>		
<b>08 52 16 00-0181 24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)</b>		
08 52 16 00-0182 EA 17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	405.92 64.84	41.41
08 52 16 00-0183 EA 20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	429.30 68.86	42.50
08 52 16 00-0184 EA 24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	455.45 73.22	44.68
08 52 16 00-0185 EA 28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	479.56 77.17	46.86
<b>08 52 16 00-0186 28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)</b>		
08 52 16 00-0187 EA 17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	435.42 69.87	43.59
08 52 16 00-0188 EA 20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	458.80 73.89	44.68
08 52 16 00-0189 EA 24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	484.95 78.25	46.86
08 52 16 00-0190 EA 28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	497.91 79.97	49.04
08 52 16 00-0191 EA 31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	528.20 85.37	51.22
<b>08 52 16 00-0192 35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)</b>		
08 52 16 00-0193 EA 17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	488.30 78.92	46.86
08 52 16 00-0194 EA 20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	513.35 83.27	49.04
08 52 16 00-0195 EA 24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	539.51 87.63	50.68
08 52 16 00-0196 EA 28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	580.74 95.01	52.85
08 52 16 00-0197 EA 31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	619.98 102.20	54.48
08 52 16 00-0198 EA 35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	658.25 109.42	55.57
<b>08 52 16 00-0199 40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)</b>		
08 52 16 00-0200 EA 17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	523.92 84.95	50.12
08 52 16 00-0201 EA 20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	547.29 88.97	51.22
08 52 16 00-0202 EA 24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	573.44 93.33	53.40
08 52 16 00-0203 EA 28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	633.11 104.39	55.57
08 52 16 00-0204 EA 31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	674.23 111.96	57.76
08 52 16 00-0205 EA 35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	712.81 118.81	59.93
<b>08 52 16 00-0206 48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)</b>		
08 52 16 00-0207 EA 17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	574.53 93.33	54.48
08 52 16 00-0208 EA 20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	599.59 97.69	55.57
08 52 16 00-0209 EA 24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	625.75 102.05	57.76

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-0210	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	708.03	59.93
		<i>For Tempered Clear Insulated Glass, Add</i>	117.63	
08 52 16 00-0211	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	740.23	62.12
		<i>For Tempered Clear Insulated Glass, Add</i>	123.42	
08 52 16 00-0212	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	788.57	64.29
		<i>For Tempered Clear Insulated Glass, Add</i>	132.21	
<b>08 52 16 00-0213</b>		<b>52-13/16" Height, One Operating Sash, Casement Wood Clad Windows</b>		
		<b>(Andersen 200 Series)</b> <small>(08 52 16 00-0180)</small>		
08 52 16 00-0214	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	609.06	56.67
		<i>For Tempered Clear Insulated Glass, Add</i>	99.36	
08 52 16 00-0215	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	632.45	57.76
		<i>For Tempered Clear Insulated Glass, Add</i>	103.39	
08 52 16 00-0216	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	658.59	59.93
		<i>For Tempered Clear Insulated Glass, Add</i>	107.74	
08 52 16 00-0217	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	760.16	62.12
		<i>For Tempered Clear Insulated Glass, Add</i>	127.19	
08 52 16 00-0218	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	808.24	64.29
		<i>For Tempered Clear Insulated Glass, Add</i>	136.15	
08 52 16 00-0219	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	839.86	66.47
		<i>For Tempered Clear Insulated Glass, Add</i>	141.60	
<b>08 52 16 00-0220</b>		<b>59-7/8" Height, One Operating Sash, Casement Wood Clad Windows</b>		
		<b>(Andersen 200 Series)</b> <small>(08 52 16 00-0180)</small>		
08 52 16 00-0221	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	658.59	59.93
		<i>For Tempered Clear Insulated Glass, Add</i>	107.74	
08 52 16 00-0222	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	683.65	62.12
		<i>For Tempered Clear Insulated Glass, Add</i>	112.10	
08 52 16 00-0223	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	709.80	63.75
		<i>For Tempered Clear Insulated Glass, Add</i>	116.46	
08 52 16 00-0224	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	834.84	65.93
		<i>For Tempered Clear Insulated Glass, Add</i>	140.60	
08 52 16 00-0225	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	868.90	67.57
		<i>For Tempered Clear Insulated Glass, Add</i>	146.76	
08 52 16 00-0226	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	914.53	69.74
		<i>For Tempered Clear Insulated Glass, Add</i>	155.01	
<b>08 52 16 00-0227</b>		<b>64-13/16" Height, One Operating Sash, Casement Wood Clad Windows</b>		
		<b>(Andersen 200 Series)</b> <small>(08 52 16 00-0180)</small>		
08 52 16 00-0228	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	694.21	63.21
		<i>For Tempered Clear Insulated Glass, Add</i>	113.78	
08 52 16 00-0229	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	717.59	64.29
		<i>For Tempered Clear Insulated Glass, Add</i>	117.80	
08 52 16 00-0230	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	743.74	66.47
		<i>For Tempered Clear Insulated Glass, Add</i>	122.16	
08 52 16 00-0231	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	887.22	68.65
		<i>For Tempered Clear Insulated Glass, Add</i>	149.98	
08 52 16 00-0232	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	918.90	70.83
		<i>For Tempered Clear Insulated Glass, Add</i>	155.67	
08 52 16 00-0233	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	966.91	73.02
		<i>For Tempered Clear Insulated Glass, Add</i>	164.40	
<b>08 52 16 00-0234</b>		<b>71-7/8" Height, One Operating Sash, Casement Wood Clad Windows</b>		
		<b>(Andersen 200 Series)</b> <small>(08 52 16 00-0180)</small>		
08 52 16 00-0235	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	743.74	66.47
		<i>For Tempered Clear Insulated Glass, Add</i>	122.16	
08 52 16 00-0236	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	768.80	68.65
		<i>For Tempered Clear Insulated Glass, Add</i>	126.52	
08 52 16 00-0237	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	794.94	70.29
		<i>For Tempered Clear Insulated Glass, Add</i>	130.87	
08 52 16 00-0238	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	961.88	72.47
		<i>For Tempered Clear Insulated Glass, Add</i>	163.39	
08 52 16 00-0239	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	1,000.80	74.10
		<i>For Tempered Clear Insulated Glass, Add</i>	170.52	
08 52 16 00-0240	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	1,041.59	76.28
		<i>For Tempered Clear Insulated Glass, Add</i>	177.80	
<b>08 52 16 00-0241</b>		<b>Two Operating Sashes, Casement Wood Clad Windows (Andersen 200</b>		
		<b>Series)</b> <small>(08 52 16 00-0179)</small>		
<b>08 52 16 00-0242</b>		<b>24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows</b>		
		<b>(Andersen 200 Series)</b> <small>(08 52 16 00-0241)</small>		
08 52 16 00-0243	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	727.54	53.40
		<i>For Tempered Clear Insulated Glass, Add</i>	124.15	
08 52 16 00-0244	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	827.03	57.76
		<i>For Tempered Clear Insulated Glass, Add</i>	142.30	





<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0245 EA 56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	942.29 163.61	62.12
<b>08 52 16 00-0246 28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)</b>		
08 52 16 00-0247 EA 40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	785.09 134.79	55.57
08 52 16 00-0248 EA 48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	884.57 152.94	59.93
08 52 16 00-0249 EA 56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	999.84 174.25	64.29
<b>08 52 16 00-0250 35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)</b>		
08 52 16 00-0251 EA 33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	777.96 133.36	55.57
08 52 16 00-0252 EA 40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	879.45 152.13	59.93
08 52 16 00-0253 EA 48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	985.38 171.58	64.29
08 52 16 00-0254 EA 56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,108.07 194.37	68.11
08 52 16 00-0255 EA 62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,190.25 209.50	71.37
08 52 16 00-0256 EA 71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,327.23 234.93	76.28
<b>08 52 16 00-0257 40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)</b>		
08 52 16 00-0258 EA 33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	848.78 146.44	58.30
08 52 16 00-0259 EA 40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	950.27 165.21	62.12
08 52 16 00-0260 EA 48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,056.20 184.65	66.47
08 52 16 00-0261 EA 56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,178.89 207.44	70.83
08 52 16 00-0262 EA 62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,269.95 224.35	74.10
08 52 16 00-0263 EA 71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,654.47 299.29	79.01
<b>08 52 16 00-0264 48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)</b>		
08 52 16 00-0265 EA 33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	953.03 165.54	62.66
08 52 16 00-0266 EA 40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,056.20 184.65	66.47
08 52 16 00-0267 EA 48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,162.13 204.09	70.83
08 52 16 00-0268 EA 56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,284.81 226.89	75.19
08 52 16 00-0269 EA 62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,372.01 243.02	78.46
08 52 16 00-0270 EA 71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,503.96 267.45	83.37
<b>08 52 16 00-0271 52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)</b>		
08 52 16 00-0272 EA 33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,022.75 178.62	64.84
08 52 16 00-0273 EA 40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,124.25 197.39	68.65
08 52 16 00-0274 EA 48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,217.73 214.34	73.02
08 52 16 00-0275 EA 56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,352.86 239.62	77.38
08 52 16 00-0276 EA 62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,444.26 256.60	80.64
08 52 16 00-0277 EA 71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,573.69 280.52	85.54
<b>08 52 16 00-0278 59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)</b>		

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0279	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,125.92	68.65
			<i>For Tempered Clear Insulated Glass, Add</i>	197.72	
08 52 16 00-0280	EA		40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,227.40	73.02
			<i>For Tempered Clear Insulated Glass, Add</i>	216.49	
08 52 16 00-0281	EA		48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,333.33	77.38
			<i>For Tempered Clear Insulated Glass, Add</i>	235.94	
08 52 16 00-0282	EA		56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,456.03	81.18
			<i>For Tempered Clear Insulated Glass, Add</i>	258.73	
08 52 16 00-0283	EA		62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,547.43	84.46
			<i>For Tempered Clear Insulated Glass, Add</i>	275.70	
08 52 16 00-0284	EA		71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,675.18	89.36
			<i>For Tempered Clear Insulated Glass, Add</i>	299.29	
<b>08 52 16 00-0285</b>			<b>64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)</b>		
08 52 16 00-0286	EA		33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,196.74	71.37
			<i>For Tempered Clear Insulated Glass, Add</i>	210.80	
08 52 16 00-0287	EA		40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,298.22	75.19
			<i>For Tempered Clear Insulated Glass, Add</i>	229.57	
08 52 16 00-0288	EA		48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,405.83	79.55
			<i>For Tempered Clear Insulated Glass, Add</i>	249.35	
08 52 16 00-0289	EA		56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,528.51	83.91
			<i>For Tempered Clear Insulated Glass, Add</i>	272.14	
<b>08 52 16 00-0290</b>			<b>71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)</b>		
08 52 16 00-0291	EA		33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,299.90	75.19
			<i>For Tempered Clear Insulated Glass, Add</i>	229.90	
08 52 16 00-0292	EA		40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,401.38	79.55
			<i>For Tempered Clear Insulated Glass, Add</i>	248.67	
08 52 16 00-0293	EA		48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,507.32	83.91
			<i>For Tempered Clear Insulated Glass, Add</i>	268.12	
08 52 16 00-0294	EA		56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,630.01	87.72
			<i>For Tempered Clear Insulated Glass, Add</i>	290.91	
<b>08 52 16 00-0295</b>			<b>One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)</b>		
<b>08 52 16 00-0296</b>			<b>24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)</b>		
08 52 16 00-0297	EA		71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,154.47	70.29
			<i>For Tempered Clear Insulated Glass, Add</i>	202.78	
08 52 16 00-0298	EA		84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,343.12	77.38
			<i>For Tempered Clear Insulated Glass, Add</i>	237.68	
<b>08 52 16 00-0299</b>			<b>28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)</b>		
08 52 16 00-0300	EA		71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,225.22	72.47
			<i>For Tempered Clear Insulated Glass, Add</i>	216.06	
08 52 16 00-0301	EA		84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,401.43	79.55
			<i>For Tempered Clear Insulated Glass, Add</i>	248.47	
<b>08 52 16 00-0302</b>			<b>35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)</b>		
08 52 16 00-0303	EA		61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,179.23	70.83
			<i>For Tempered Clear Insulated Glass, Add</i>	207.51	
08 52 16 00-0304	EA		71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,330.58	76.28
			<i>For Tempered Clear Insulated Glass, Add</i>	235.60	
08 52 16 00-0305	EA		84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,517.37	83.91
			<i>For Tempered Clear Insulated Glass, Add</i>	270.13	
<b>08 52 16 00-0306</b>			<b>40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)</b>		
08 52 16 00-0307	EA		61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,246.63	74.10
			<i>For Tempered Clear Insulated Glass, Add</i>	219.90	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0308	EA		71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,403.06	79.01
			<i>For Tempered Clear Insulated Glass, Add</i>	249.01	
08 52 16 00-0309	EA		84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,588.18	86.09
			<i>For Tempered Clear Insulated Glass, Add</i>	283.20	
<b>08 52 16 00-0310</b>			<b>48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0295)		
08 52 16 00-0311	EA		71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,507.32	83.37
			<i>For Tempered Clear Insulated Glass, Add</i>	268.12	
08 52 16 00-0312	EA		84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,692.44	90.45
			<i>For Tempered Clear Insulated Glass, Add</i>	302.31	
<b>08 52 16 00-0313</b>			<b>52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0295)		
08 52 16 00-0314	EA		71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,577.04	85.54
			<i>For Tempered Clear Insulated Glass, Add</i>	281.19	
08 52 16 00-0315	EA		84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,762.17	92.62
			<i>For Tempered Clear Insulated Glass, Add</i>	315.38	
<b>08 52 16 00-0316</b>			<b>59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0295)		
08 52 16 00-0317	EA		71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,678.53	89.36
			<i>For Tempered Clear Insulated Glass, Add</i>	299.96	
08 52 16 00-0318	EA		84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,865.33	96.98
			<i>For Tempered Clear Insulated Glass, Add</i>	334.49	
<b>08 52 16 00-0319</b>			<b>Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0178)		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0320</b>			<b>One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0319)		
<b>08 52 16 00-0321</b>			<b>24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0320)		
08 52 16 00-0322	EA		17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	483.85	41.41
			<i>For Tempered Low-E Insulated Glass, Add</i>	80.42	
08 52 16 00-0323	EA		20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	512.26	42.50
			<i>For Tempered Low-E Insulated Glass, Add</i>	85.45	
08 52 16 00-0324	EA		24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	543.86	44.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	90.90	
08 52 16 00-0325	EA		28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	572.91	46.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	95.84	
<b>08 52 16 00-0326</b>			<b>28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0320)		
08 52 16 00-0327	EA		17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	519.64	43.59
			<i>For Tempered Low-E Insulated Glass, Add</i>	86.71	
08 52 16 00-0328	EA		20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	548.05	44.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	91.74	
08 52 16 00-0329	EA		24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	579.65	46.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	97.19	
08 52 16 00-0330	EA		28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	594.76	49.04
			<i>For Tempered Low-E Insulated Glass, Add</i>	99.34	
08 52 16 00-0331	EA		31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	631.80	51.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	106.09	
<b>08 52 16 00-0332</b>			<b>35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0320)		
08 52 16 00-0333	EA		17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	583.84	46.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	98.02	
08 52 16 00-0334	EA		20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	614.33	49.04
			<i>For Tempered Low-E Insulated Glass, Add</i>	103.47	
08 52 16 00-0335	EA		24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	645.94	50.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	108.92	
08 52 16 00-0336	EA		28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	696.39	52.85
			<i>For Tempered Low-E Insulated Glass, Add</i>	118.14	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 52 16 00-0337	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	744.63		54.48
		<i>For Tempered Low-E Insulated Glass, Add</i>	127.13		
08 52 16 00-0338	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	791.92		55.57
		<i>For Tempered Low-E Insulated Glass, Add</i>	136.15		
<b>08 52 16 00-0339</b>		<b>40-13/16" Height, One Operating Sash, Casement Wood Clad Windows</b>			
		<b>(Andersen 400 Series) (08 52 16 00-0320)</b>			
08 52 16 00-0340	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	627.00		50.12
		<i>For Tempered Low-E Insulated Glass, Add</i>	105.57		
08 52 16 00-0341	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	655.40		51.22
		<i>For Tempered Low-E Insulated Glass, Add</i>	110.59		
08 52 16 00-0342	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	686.99		53.40
		<i>For Tempered Low-E Insulated Glass, Add</i>	116.04		
08 52 16 00-0343	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	760.49		55.57
		<i>For Tempered Low-E Insulated Glass, Add</i>	129.87		
08 52 16 00-0344	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	811.07		57.76
		<i>For Tempered Low-E Insulated Glass, Add</i>	139.33		
08 52 16 00-0345	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	858.21		59.93
		<i>For Tempered Low-E Insulated Glass, Add</i>	147.89		
<b>08 52 16 00-0346</b>		<b>48" Height, One Operating Sash, Casement Wood Clad Windows</b>			
		<b>(Andersen 400 Series) (08 52 16 00-0320)</b>			
08 52 16 00-0347	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	688.08		54.48
		<i>For Tempered Low-E Insulated Glass, Add</i>	116.04		
08 52 16 00-0348	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	718.59		55.57
		<i>For Tempered Low-E Insulated Glass, Add</i>	121.49		
08 52 16 00-0349	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	750.20		57.76
		<i>For Tempered Low-E Insulated Glass, Add</i>	126.94		
08 52 16 00-0350	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	851.95		59.93
		<i>For Tempered Low-E Insulated Glass, Add</i>	146.42		
08 52 16 00-0351	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	891.40		62.12
		<i>For Tempered Low-E Insulated Glass, Add</i>	153.65		
08 52 16 00-0352	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	950.73		64.29
		<i>For Tempered Low-E Insulated Glass, Add</i>	164.65		
<b>08 52 16 00-0353</b>		<b>52-13/16" Height, One Operating Sash, Casement Wood Clad Windows</b>			
		<b>(Andersen 400 Series) (08 52 16 00-0320)</b>			
08 52 16 00-0354	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	730.16		56.67
		<i>For Tempered Low-E Insulated Glass, Add</i>	123.58		
08 52 16 00-0355	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	758.58		57.76
		<i>For Tempered Low-E Insulated Glass, Add</i>	128.61		
08 52 16 00-0356	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	790.16		59.93
		<i>For Tempered Low-E Insulated Glass, Add</i>	134.06		
08 52 16 00-0357	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	916.04		62.12
		<i>For Tempered Low-E Insulated Glass, Add</i>	158.36		
08 52 16 00-0358	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	975.32		64.29
		<i>For Tempered Low-E Insulated Glass, Add</i>	169.56		
08 52 16 00-0359	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,013.76		66.47
		<i>For Tempered Low-E Insulated Glass, Add</i>	176.38		
<b>08 52 16 00-0360</b>		<b>59-7/8" Height, One Operating Sash, Casement Wood Clad Windows</b>			
		<b>(Andersen 400 Series) (08 52 16 00-0320)</b>			
08 52 16 00-0361	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	790.16		59.93
		<i>For Tempered Low-E Insulated Glass, Add</i>	134.06		
08 52 16 00-0362	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	820.67		62.12
		<i>For Tempered Low-E Insulated Glass, Add</i>	139.51		
08 52 16 00-0363	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	852.26		63.75
		<i>For Tempered Low-E Insulated Glass, Add</i>	144.95		
08 52 16 00-0364	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,007.47		65.93
		<i>For Tempered Low-E Insulated Glass, Add</i>	175.12		
08 52 16 00-0365	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,049.24		67.57
		<i>For Tempered Low-E Insulated Glass, Add</i>	182.82		
08 52 16 00-0366	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,105.18		69.74
		<i>For Tempered Low-E Insulated Glass, Add</i>	193.14		
<b>08 52 16 00-0367</b>		<b>64-13/16" Height, One Operating Sash, Casement Wood Clad Windows</b>			
		<b>(Andersen 400 Series) (08 52 16 00-0320)</b>			
08 52 16 00-0368	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	833.32		63.21
		<i>For Tempered Low-E Insulated Glass, Add</i>	141.60		
08 52 16 00-0369	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	861.73		64.29
		<i>For Tempered Low-E Insulated Glass, Add</i>	146.63		
08 52 16 00-0370	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	893.33		66.47
		<i>For Tempered Low-E Insulated Glass, Add</i>	152.08		
08 52 16 00-0371	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,071.58		68.65
		<i>For Tempered Low-E Insulated Glass, Add</i>	186.85		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0372	EA		31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,110.38 193.96	70.83
08 52 16 00-0373	EA		35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,169.29 204.87	73.02
<b>08 52 16 00-0374</b>			<b>71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0320)</small></b>		
08 52 16 00-0375	EA		17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	893.33 152.08	66.47
08 52 16 00-0376	EA		20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	923.84 157.52	68.65
08 52 16 00-0377	EA		24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	955.42 162.97	70.29
08 52 16 00-0378	EA		28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,163.00 203.61	72.47
08 52 16 00-0379	EA		31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,210.84 212.53	74.10
08 52 16 00-0380	EA		35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,260.73 221.63	76.28
<b>08 52 16 00-0381</b>			<b>Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0319)</small></b>		
<b>08 52 16 00-0382</b>			<b>24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small></b>		
08 52 16 00-0383	EA		40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	876.51 153.94	53.40
08 52 16 00-0384	EA		48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	998.69 176.63	57.76
08 52 16 00-0385	EA		56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,140.58 203.27	62.12
<b>08 52 16 00-0386</b>			<b>28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small></b>		
08 52 16 00-0387	EA		40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	947.35 167.24	55.57
08 52 16 00-0388	EA		48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,069.53 189.93	59.93
08 52 16 00-0389	EA		56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,211.43 216.57	64.29
<b>08 52 16 00-0390</b>			<b>35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small></b>		
08 52 16 00-0391	EA		33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	938.44 165.46	55.57
08 52 16 00-0392	EA		40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,063.40 188.92	59.93
08 52 16 00-0393	EA		48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,193.63 213.23	64.29
08 52 16 00-0394	EA		56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,344.82 241.72	68.11
08 52 16 00-0395	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,445.90 260.63	71.37
08 52 16 00-0396	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,614.67 292.42	76.28
<b>08 52 16 00-0397</b>			<b>40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small></b>		
08 52 16 00-0398	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,025.60 181.80	58.30
08 52 16 00-0399	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,150.55 205.26	62.12
08 52 16 00-0400	EA		48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,280.79 229.57	66.47
08 52 16 00-0401	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,431.97 258.06	70.83
08 52 16 00-0402	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,544.17 279.19	74.10
08 52 16 00-0403	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,022.36 372.87	79.01
<b>08 52 16 00-0404</b>			<b>48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small></b>		
08 52 16 00-0405	EA		33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,153.74 205.68	62.66

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0406 EA 40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,280.79	66.47
For Tempered Low-E Insulated Glass, Add	229.57	
08 52 16 00-0407 EA 48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,411.02	70.83
For Tempered Low-E Insulated Glass, Add	253.87	
08 52 16 00-0408 EA 56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,562.20	75.19
For Tempered Low-E Insulated Glass, Add	282.36	
08 52 16 00-0409 EA 62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,669.57	78.46
For Tempered Low-E Insulated Glass, Add	302.53	
08 52 16 00-0410 EA 71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,832.05	83.37
For Tempered Low-E Insulated Glass, Add	333.06	
<b>08 52 16 00-0411 52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)</b>		
08 52 16 00-0412 EA 33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,239.80	64.84
For Tempered Low-E Insulated Glass, Add	222.03	
08 52 16 00-0413 EA 40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,364.76	68.65
For Tempered Low-E Insulated Glass, Add	245.49	
08 52 16 00-0414 EA 48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,482.55	73.02
For Tempered Low-E Insulated Glass, Add	267.31	
08 52 16 00-0415 EA 56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,646.17	77.38
For Tempered Low-E Insulated Glass, Add	298.29	
08 52 16 00-0416 EA 62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,758.79	80.64
For Tempered Low-E Insulated Glass, Add	319.50	
08 52 16 00-0417 EA 71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,918.12	85.54
For Tempered Low-E Insulated Glass, Add	349.41	
<b>08 52 16 00-0418 59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)</b>		
08 52 16 00-0419 EA 33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,366.86	68.65
For Tempered Low-E Insulated Glass, Add	245.91	
08 52 16 00-0420 EA 40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,491.80	73.02
For Tempered Low-E Insulated Glass, Add	269.37	
08 52 16 00-0421 EA 48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,622.04	77.38
For Tempered Low-E Insulated Glass, Add	293.68	
08 52 16 00-0422 EA 56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,773.22	81.18
For Tempered Low-E Insulated Glass, Add	322.17	
08 52 16 00-0423 EA 62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,885.84	84.46
For Tempered Low-E Insulated Glass, Add	343.39	
08 52 16 00-0424 EA 71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	2,043.07	89.36
For Tempered Low-E Insulated Glass, Add	372.87	
<b>08 52 16 00-0425 64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)</b>		
08 52 16 00-0426 EA 33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,454.01	71.37
For Tempered Low-E Insulated Glass, Add	262.25	
08 52 16 00-0427 EA 40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,578.96	75.19
For Tempered Low-E Insulated Glass, Add	285.72	
08 52 16 00-0428 EA 48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,711.29	79.55
For Tempered Low-E Insulated Glass, Add	310.44	
08 52 16 00-0429 EA 56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,862.46	83.91
For Tempered Low-E Insulated Glass, Add	338.93	
<b>08 52 16 00-0430 71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)</b>		
08 52 16 00-0431 EA 33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,581.05	75.19
For Tempered Low-E Insulated Glass, Add	286.13	
08 52 16 00-0432 EA 40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,706.01	79.55
For Tempered Low-E Insulated Glass, Add	309.60	
08 52 16 00-0433 EA 48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,836.24	83.91
For Tempered Low-E Insulated Glass, Add	333.90	
08 52 16 00-0434 EA 56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,987.43	87.72
For Tempered Low-E Insulated Glass, Add	362.40	
<b>08 52 16 00-0435 One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)</b>		
<b>08 52 16 00-0436 24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)</b>		
08 52 16 00-0437 EA 71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,404.83	70.29
For Tempered Low-E Insulated Glass, Add	252.85	
08 52 16 00-0438 EA 84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,634.00	77.38
For Tempered Low-E Insulated Glass, Add	295.85	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 52 16 00-0439</b> 28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0440 EA 71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,489.07	72.47
For Tempered Low-E Insulated Glass, Add .....	268.83	
08 52 16 00-0441 EA 84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,705.80	79.55
For Tempered Low-E Insulated Glass, Add .....	309.34	
<b>08 52 16 00-0442</b> 35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0443 EA 61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,432.40	70.83
For Tempered Low-E Insulated Glass, Add .....	258.15	
08 52 16 00-0444 EA 71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,618.86	76.28
For Tempered Low-E Insulated Glass, Add .....	293.26	
08 52 16 00-0445 EA 84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,848.81	83.91
For Tempered Low-E Insulated Glass, Add .....	336.42	
<b>08 52 16 00-0446</b> 40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0447 EA 61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,515.29	74.10
For Tempered Low-E Insulated Glass, Add .....	273.63	
08 52 16 00-0448 EA 71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,708.10	79.01
For Tempered Low-E Insulated Glass, Add .....	310.02	
08 52 16 00-0449 EA 84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,935.96	86.09
For Tempered Low-E Insulated Glass, Add .....	352.76	
<b>08 52 16 00-0450</b> 48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0451 EA 71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,836.24	83.37
For Tempered Low-E Insulated Glass, Add .....	333.90	
08 52 16 00-0452 EA 84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,064.11	90.45
For Tempered Low-E Insulated Glass, Add .....	376.64	
<b>08 52 16 00-0453</b> 52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0454 EA 71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,922.31	85.54
For Tempered Low-E Insulated Glass, Add .....	350.24	
08 52 16 00-0455 EA 84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,150.18	92.62
For Tempered Low-E Insulated Glass, Add .....	392.98	
<b>08 52 16 00-0456</b> 59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0457 EA 71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,047.26	89.36
For Tempered Low-E Insulated Glass, Add .....	373.71	
08 52 16 00-0458 EA 84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,277.22	96.98
For Tempered Low-E Insulated Glass, Add .....	416.87	
<b>08 52 16 00-0459</b> Awning Wood Clad Windows <small>(08 52 16)</small>		
Note: Awning windows are hinged at the top of the frame and swing outward with a crank or push out operation.		
<b>08 52 16 00-0460</b> Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0459)</small>		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0461</b> Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0460)</small>		
<b>08 52 16 00-0462</b> 17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0463 EA 24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	439.47	44.68
For Tempered Clear Insulated Glass, Add .....	70.02	
08 52 16 00-0464 EA 28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	470.64	46.86
For Tempered Clear Insulated Glass, Add .....	75.38	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0465	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	496.18	48.49
			<i>For Tempered Clear Insulated Glass, Add</i>	79.84	
08 52 16 00-0466	EA		35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	528.55	50.68
			<i>For Tempered Clear Insulated Glass, Add</i>	85.44	
08 52 16 00-0467	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	565.84	53.40
			<i>For Tempered Clear Insulated Glass, Add</i>	91.81	
08 52 16 00-0468	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series).....	623.17	57.76
			<i>For Tempered Clear Insulated Glass, Add</i>	101.53	
08 52 16 00-0469	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	659.37	59.93
			<i>For Tempered Clear Insulated Glass, Add</i>	107.90	
08 52 16 00-0470	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	712.25	64.29
			<i>For Tempered Clear Insulated Glass, Add</i>	116.95	
08 52 16 00-0471	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	732.05	66.47
			<i>For Tempered Clear Insulated Glass, Add</i>	119.82	
08 52 16 00-0472	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	784.35	70.29
			<i>For Tempered Clear Insulated Glass, Add</i>	128.76	
<b>08 52 16 00-0473</b>			<b>20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0474	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	463.67	46.86
			<i>For Tempered Clear Insulated Glass, Add</i>	74.21	
08 52 16 00-0475	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	497.37	49.04
			<i>For Tempered Clear Insulated Glass, Add</i>	80.08	
08 52 16 00-0476	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	519.36	50.12
			<i>For Tempered Clear Insulated Glass, Add</i>	83.82	
08 52 16 00-0477	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	555.29	52.31
			<i>For Tempered Clear Insulated Glass, Add</i>	90.13	
08 52 16 00-0478	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	592.58	55.57
			<i>For Tempered Clear Insulated Glass, Add</i>	96.50	
08 52 16 00-0479	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	648.22	59.39
			<i>For Tempered Clear Insulated Glass, Add</i>	105.89	
08 52 16 00-0480	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	684.43	62.12
			<i>For Tempered Clear Insulated Glass, Add</i>	112.26	
08 52 16 00-0481	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	738.99	65.38
			<i>For Tempered Clear Insulated Glass, Add</i>	121.64	
08 52 16 00-0482	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	756.83	68.65
			<i>For Tempered Clear Insulated Glass, Add</i>	124.12	
08 52 16 00-0483	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	810.78	71.92
			<i>For Tempered Clear Insulated Glass, Add</i>	133.39	
08 52 16 00-0484	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,250.61	79.55
			<i>For Tempered Clear Insulated Glass, Add</i>	218.52	
<b>08 52 16 00-0485</b>			<b>24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0486	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	494.01	49.04
			<i>For Tempered Clear Insulated Glass, Add</i>	79.41	
08 52 16 00-0487	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	525.20	51.22
			<i>For Tempered Clear Insulated Glass, Add</i>	84.77	
08 52 16 00-0488	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	546.46	52.31
			<i>For Tempered Clear Insulated Glass, Add</i>	88.37	
08 52 16 00-0489	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	583.10	54.48
			<i>For Tempered Clear Insulated Glass, Add</i>	94.83	
08 52 16 00-0490	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	620.40	57.76
			<i>For Tempered Clear Insulated Glass, Add</i>	101.20	
08 52 16 00-0491	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	677.72	61.57
			<i>For Tempered Clear Insulated Glass, Add</i>	110.92	
08 52 16 00-0492	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	713.93	64.29
			<i>For Tempered Clear Insulated Glass, Add</i>	117.29	
08 52 16 00-0493	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	768.48	67.57
			<i>For Tempered Clear Insulated Glass, Add</i>	126.67	
08 52 16 00-0494	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	784.35	70.83
			<i>For Tempered Clear Insulated Glass, Add</i>	128.76	
08 52 16 00-0495	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	836.60	74.10
			<i>For Tempered Clear Insulated Glass, Add</i>	137.68	
08 52 16 00-0496	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,316.09	81.73
			<i>For Tempered Clear Insulated Glass, Add</i>	230.74	
<b>08 52 16 00-0497</b>			<b>28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0498	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	493.36	51.22
			<i>For Tempered Clear Insulated Glass, Add</i>	78.40	
08 52 16 00-0499	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	541.29	53.40
			<i>For Tempered Clear Insulated Glass, Add</i>	87.12	
08 52 16 00-0500	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	572.13	54.48
			<i>For Tempered Clear Insulated Glass, Add</i>	92.63	
08 52 16 00-0501	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	629.36	56.67
			<i>For Tempered Clear Insulated Glass, Add</i>	103.21	
08 52 16 00-0502	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	686.77	59.93
			<i>For Tempered Clear Insulated Glass, Add</i>	113.60	





<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0503	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	770.92 128.68	63.75
08 52 16 00-0504	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	825.56 138.74	66.47
08 52 16 00-0505	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	908.60 153.82	69.74
08 52 16 00-0506	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	939.30 158.87	73.02
08 52 16 00-0507	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,019.75 173.44	76.28
08 52 16 00-0508	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,351.85 237.02	83.91
<b>08 52 16 00-0509</b>			<b>31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0510	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	572.13 92.63	54.48
08 52 16 00-0511	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	605.26 98.60	56.13
08 52 16 00-0512	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	650.84 106.85	58.30
08 52 16 00-0513	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	701.77 115.94	61.02
08 52 16 00-0514	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	775.88 129.02	65.38
08 52 16 00-0515	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	827.14 138.40	67.57
08 52 16 00-0516	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	900.17 151.48	71.92
08 52 16 00-0517	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	951.11 160.58	74.10
08 52 16 00-0518	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,025.53 173.94	77.92
08 52 16 00-0519	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,441.56 254.31	85.00
<b>08 52 16 00-0520</b>			<b>35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0521	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	650.84 106.85	58.30
08 52 16 00-0522	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	715.77 118.96	60.48
08 52 16 00-0523	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	773.18 129.35	63.21
08 52 16 00-0524	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	857.31 144.44	67.57
08 52 16 00-0525	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	913.63 154.83	69.74
08 52 16 00-0526	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	995.01 169.58	74.10
08 52 16 00-0527	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	869.16 143.32	76.28
08 52 16 00-0528	EA		71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	933.04 154.57	80.10
<b>08 52 16 00-0529</b>			<b>40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0530	EA		35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	763.12 127.34	63.21
08 52 16 00-0531	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	859.08 145.44	66.47
<b>08 52 16 00-0532</b>			<b>48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0533	EA		35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	907.59 154.49	67.57
08 52 16 00-0534	EA		40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,005.22 172.93	70.83
08 52 16 00-0535	EA		48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,148.03 199.75	74.65
<b>08 52 16 00-0536</b>			<b>59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0537	EA		35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,123.71 195.32	73.56
08 52 16 00-0538	EA		40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,209.21 211.33	76.28

**08 Openings**

08 50 Windows

08 52 Wood Windows

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0539			<b>71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0461)		
08 52 16 00-0540	EA		24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,228.86 216.13	74.10
08 52 16 00-0541	EA		35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,271.39 222.24	80.10
08 52 16 00-0542	EA		40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,407.07 248.29	82.82
08 52 16 00-0543	EA		48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,545.69 274.27	87.18
08 52 16 00-0544			<b>Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0460)		
08 52 16 00-0545			<b>17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0544)		
08 52 16 00-0546	EA		24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	387.51 59.63	44.68
08 52 16 00-0547	EA		28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	417.01 64.66	46.86
08 52 16 00-0548	EA		31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	436.48 67.90	48.49
08 52 16 00-0549	EA		35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	468.22 73.37	50.68
08 52 16 00-0550	EA		40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	502.15 79.07	53.40
08 52 16 00-0551	EA		48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	554.46 87.79	57.76
08 52 16 00-0552	EA		52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	585.62 93.15	59.93
08 52 16 00-0553	EA		59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	635.15 101.53	64.29
08 52 16 00-0554	EA		64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	669.10 107.23	66.47
08 52 16 00-0555	EA		71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	718.62 115.61	70.29
08 52 16 00-0556			<b>20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0544)		
08 52 16 00-0557	EA		24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	410.88 63.65	46.86
08 52 16 00-0558	EA		28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	440.38 68.68	49.04
08 52 16 00-0559	EA		31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	458.24 71.60	50.12
08 52 16 00-0560	EA		35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	493.27 77.73	52.31
08 52 16 00-0561	EA		40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	527.22 83.43	55.57
08 52 16 00-0562	EA		48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	577.83 91.81	59.39
08 52 16 00-0563	EA		52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	610.68 97.51	62.12
08 52 16 00-0564	EA		59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	658.54 105.55	65.38
08 52 16 00-0565	EA		64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	694.16 111.59	68.65
08 52 16 00-0566	EA		71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	742.00 119.63	71.92
08 52 16 00-0567			<b>24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0544)		
08 52 16 00-0568	EA		24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	437.03 68.01	49.04
08 52 16 00-0569	EA		28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	466.54 73.04	51.22
08 52 16 00-0570	EA		31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	482.50 75.58	52.31
08 52 16 00-0571	EA		35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	517.74 81.75	54.48
08 52 16 00-0572	EA		40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	551.68 87.45	57.76
08 52 16 00-0573	EA		48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	602.30 95.83	61.57
08 52 16 00-0574	EA		52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	635.15 101.53	64.29
08 52 16 00-0575	EA		59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	684.68 109.91	67.57



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0576	EA		64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	718.62 115.61	70.83
08 52 16 00-0577	EA		71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	768.16 123.99	74.10
<b>08 52 16 00-0578</b>			<b>28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0544)</small>		
08 52 16 00-0579	EA		24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	439.72 67.67	51.22
08 52 16 00-0580	EA		28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	479.28 74.71	53.40
08 52 16 00-0581	EA		31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	501.06 78.42	54.48
08 52 16 00-0582	EA		35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	522.10 81.75	56.67
08 52 16 00-0583	EA		40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	596.27 95.50	59.93
08 52 16 00-0584	EA		48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	663.65 107.23	63.75
08 52 16 00-0585	EA		52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	708.23 115.27	66.47
08 52 16 00-0586	EA		59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	774.51 127.01	69.74
08 52 16 00-0587	EA		64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	821.87 135.39	73.02
08 52 16 00-0588	EA		71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	888.17 147.12	76.28
<b>08 52 16 00-0589</b>			<b>31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0544)</small>		
08 52 16 00-0590	EA		28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	501.06 78.42	54.48
08 52 16 00-0591	EA		31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	528.50 83.25	56.13
08 52 16 00-0592	EA		35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	565.55 89.79	58.30
08 52 16 00-0593	EA		40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	607.96 97.18	61.02
08 52 16 00-0594	EA		48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	669.27 107.70	65.38
08 52 16 00-0595	EA		52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	710.58 115.09	67.57
08 52 16 00-0596	EA		59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	770.81 125.61	71.92
08 52 16 00-0597	EA		64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	811.80 132.72	74.10
08 52 16 00-0598	EA		71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	872.02 143.24	77.92
<b>08 52 16 00-0599</b>			<b>35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0544)</small>		
08 52 16 00-0600	EA		31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	565.55 89.79	58.30
08 52 16 00-0601	EA		35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	620.23 99.85	60.48
08 52 16 00-0602	EA		40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	665.91 107.90	63.21
08 52 16 00-0603	EA		48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	734.96 119.97	67.57
08 52 16 00-0604	EA		52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	779.54 128.01	69.74
08 52 16 00-0605	EA		59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	845.85 139.75	74.10
08 52 16 00-0606	EA		64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	891.52 147.79	76.28
08 52 16 00-0607	EA		71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	957.80 159.52	80.10
<b>08 52 16 00-0608</b>			<b>Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0459)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0609</b>			<b>Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0608)</small>		
<b>08 52 16 00-0610</b>			<b>17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0611	EA		24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	522.43 86.61	44.68

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0612	EA		28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	560.31	46.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	93.32	
08 52 16 00-0613	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	591.42	48.49
			<i>For Tempered Low-E Insulated Glass, Add</i>	98.89	
08 52 16 00-0614	EA		35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	630.79	50.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	105.89	
08 52 16 00-0615	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	676.04	53.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	113.85	
08 52 16 00-0616	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	745.53	57.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	126.00	
08 52 16 00-0617	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	789.68	59.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	133.96	
08 52 16 00-0618	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	853.88	64.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	145.28	
08 52 16 00-0619	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	877.26	66.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	148.86	
08 52 16 00-0620	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	940.73	70.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	160.03	
<b>08 52 16 00-0621</b>			<b>20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0622	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	551.87	46.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	91.85	
08 52 16 00-0623	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	592.90	49.04
			<i>For Tempered Low-E Insulated Glass, Add</i>	99.18	
08 52 16 00-0624	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	619.57	50.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	103.86	
08 52 16 00-0625	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	663.39	52.31
			<i>For Tempered Low-E Insulated Glass, Add</i>	111.75	
08 52 16 00-0626	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	708.65	55.57
			<i>For Tempered Low-E Insulated Glass, Add</i>	119.72	
08 52 16 00-0627	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	776.02	59.39
			<i>For Tempered Low-E Insulated Glass, Add</i>	131.45	
08 52 16 00-0628	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	820.19	62.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	139.41	
08 52 16 00-0629	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	886.48	65.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	151.14	
08 52 16 00-0630	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	907.42	68.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	154.24	
08 52 16 00-0631	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	972.96	71.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	165.82	
08 52 16 00-0632	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,519.20	79.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	272.24	
<b>08 52 16 00-0633</b>			<b>24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0634	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	588.71	49.04
			<i>For Tempered Low-E Insulated Glass, Add</i>	98.35	
08 52 16 00-0635	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	626.60	51.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	105.05	
08 52 16 00-0636	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	652.36	52.31
			<i>For Tempered Low-E Insulated Glass, Add</i>	109.55	
08 52 16 00-0637	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	697.08	54.48
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.62	
08 52 16 00-0638	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	742.33	57.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	125.58	
08 52 16 00-0639	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	811.81	61.57
			<i>For Tempered Low-E Insulated Glass, Add</i>	137.73	
08 52 16 00-0640	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	855.98	64.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	145.70	
08 52 16 00-0641	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	922.26	67.57
			<i>For Tempered Low-E Insulated Glass, Add</i>	157.43	
08 52 16 00-0642	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	940.73	70.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	160.03	
08 52 16 00-0643	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,004.14	74.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	171.19	
08 52 16 00-0644	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,599.96	81.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	287.52	
<b>08 52 16 00-0645</b>			<b>28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0646	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	586.80	51.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	97.09	
08 52 16 00-0647	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	645.63	53.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	107.98	
08 52 16 00-0648	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	683.36	54.48
			<i>For Tempered Low-E Insulated Glass, Add</i>	114.88	
08 52 16 00-0649	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	753.81	56.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	128.10	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0650	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	824.21 141.09	59.93
08 52 16 00-0651	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	927.21 159.94	63.75
08 52 16 00-0652	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	994.42 172.51	66.47
08 52 16 00-0653	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,096.32 191.37	69.74
08 52 16 00-0654	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,133.33 197.68	73.02
08 52 16 00-0655	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,414.44 252.37	76.28
08 52 16 00-0656	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,643.57 295.37	83.91
<b>08 52 16 00-0657</b>			<b>31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0658	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	683.36 114.88	54.48
08 52 16 00-0659	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	723.95 122.34	56.13
08 52 16 00-0660	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	779.84 132.65	58.30
08 52 16 00-0661	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	842.14 144.02	61.02
08 52 16 00-0662	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	932.60 160.37	65.38
08 52 16 00-0663	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	995.58 172.09	67.57
08 52 16 00-0664	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,084.96 188.44	71.92
08 52 16 00-0665	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,147.27 199.81	74.10
08 52 16 00-0666	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,238.40 216.51	77.92
08 52 16 00-0667	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,754.88 316.98	85.00
<b>08 52 16 00-0668</b>			<b>35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0669	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	779.84 132.65	58.30
08 52 16 00-0670	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	859.91 147.79	60.48
08 52 16 00-0671	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	930.31 160.78	63.21
08 52 16 00-0672	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,033.30 179.64	67.57
08 52 16 00-0673	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,102.60 192.62	69.74
08 52 16 00-0674	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,202.43 211.06	74.10
08 52 16 00-0675	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,043.74 178.23	76.28
08 52 16 00-0676	EA		71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,121.70 192.30	80.10
<b>08 52 16 00-0677</b>			<b>40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0678	EA		35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	912.29 158.27	63.21
08 52 16 00-0679	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,039.58 180.89	67.57
<b>08 52 16 00-0680</b>			<b>48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0681	EA		35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,096.15 192.21	67.57
08 52 16 00-0682	EA		40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,216.83 215.25	70.83
08 52 16 00-0683	EA		48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,393.15 248.77	74.65
<b>08 52 16 00-0684</b>			<b>59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0685	EA		35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,363.30 243.24	73.56

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0686 EA 40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,468.81 263.25	76.28
<b>08 52 16 00-0687 71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)</b>		
08 52 16 00-0688 EA 24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,494.47 269.25	74.10
08 52 16 00-0689 EA 35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,544.63 276.89	80.10
08 52 16 00-0690 EA 40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,712.86 309.44	82.82
08 52 16 00-0691 EA 48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,883.97 341.92	87.18
<b>08 52 16 00-0692 Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0608)</b>		
<b>08 52 16 00-0693 17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)</b>		
08 52 16 00-0694 EA 24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	457.48 73.62	44.68
08 52 16 00-0695 EA 28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	493.27 79.91	46.86
08 52 16 00-0696 EA 31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	516.79 83.96	48.49
08 52 16 00-0697 EA 35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	555.37 90.80	50.68
08 52 16 00-0698 EA 40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	596.43 97.93	53.40
08 52 16 00-0699 EA 48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	659.63 108.82	57.76
08 52 16 00-0700 EA 52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	697.50 115.53	59.93
08 52 16 00-0701 EA 59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	757.51 126.00	64.29
08 52 16 00-0702 EA 64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	798.57 133.12	66.47
08 52 16 00-0703 EA 71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	858.57 143.60	70.29
<b>08 52 16 00-0704 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)</b>		
08 52 16 00-0705 EA 24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	485.88 78.65	46.86
08 52 16 00-0706 EA 28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	521.67 84.94	49.04
08 52 16 00-0707 EA 31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	543.17 88.58	50.12
08 52 16 00-0708 EA 35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	585.88 96.25	52.31
08 52 16 00-0709 EA 40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	626.94 103.37	55.57
08 52 16 00-0710 EA 48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	688.03 113.85	59.39
08 52 16 00-0711 EA 52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	728.01 120.97	62.12
08 52 16 00-0712 EA 59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	785.92 131.03	65.38
08 52 16 00-0713 EA 64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	829.08 138.57	68.65
08 52 16 00-0714 EA 71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	886.98 148.63	71.92
<b>08 52 16 00-0715 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)</b>		
08 52 16 00-0716 EA 24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	517.48 84.10	49.04
08 52 16 00-0717 EA 28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	553.28 90.39	51.22
08 52 16 00-0718 EA 31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	572.40 93.56	52.31
08 52 16 00-0719 EA 35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	615.37 101.28	54.48
08 52 16 00-0720 EA 40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	656.43 108.40	57.76
08 52 16 00-0721 EA 48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	717.53 118.88	61.57
08 52 16 00-0722 EA 52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	757.51 126.00	64.29



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0723 EA 59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	817.50 136.48	67.57
08 52 16 00-0724 EA 64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	858.57 143.60	70.83
08 52 16 00-0725 EA 71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	918.59 154.08	74.10
<b>08 52 16 00-0726 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small></b>		
08 52 16 00-0727 EA 24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	519.75 83.68	51.22
08 52 16 00-0728 EA 28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	568.11 92.48	53.40
08 52 16 00-0729 EA 31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	594.52 97.11	54.48
08 52 16 00-0730 EA 35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	619.73 101.28	56.67
08 52 16 00-0731 EA 40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	711.08 118.46	59.93
08 52 16 00-0732 EA 48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	793.12 133.12	63.75
08 52 16 00-0733 EA 52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	847.76 143.18	66.47
08 52 16 00-0734 EA 59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	928.71 157.85	69.74
08 52 16 00-0735 EA 64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	986.54 168.32	73.02
08 52 16 00-0736 EA 71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,067.51 182.99	76.28
<b>08 52 16 00-0737 31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small></b>		
08 52 16 00-0738 EA 28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	594.52 97.11	54.48
08 52 16 00-0739 EA 31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	628.00 103.15	56.13
08 52 16 00-0740 EA 35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	673.23 111.33	58.30
08 52 16 00-0741 EA 40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	724.87 120.56	61.02
08 52 16 00-0742 EA 48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	799.34 133.71	65.38
08 52 16 00-0743 EA 52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	849.88 142.95	67.57
08 52 16 00-0744 EA 59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	923.27 156.10	71.92
08 52 16 00-0745 EA 64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	973.14 164.99	74.10
08 52 16 00-0746 EA 71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,046.50 178.13	77.92
<b>08 52 16 00-0747 35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small></b>		
08 52 16 00-0748 EA 31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	673.23 111.33	58.30
08 52 16 00-0749 EA 35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	740.49 123.91	60.48
08 52 16 00-0750 EA 40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	796.22 133.96	63.21
08 52 16 00-0751 EA 48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	880.36 149.05	67.57
08 52 16 00-0752 EA 52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	935.00 159.10	69.74
08 52 16 00-0753 EA 59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,015.96 173.77	74.10
08 52 16 00-0754 EA 64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,071.70 183.83	76.28
08 52 16 00-0755 EA 71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,152.64 198.49	80.10
<b>08 52 16 00-0756 Horizontal Sliding Wood Clad Windows <small>(08 52 16)</small></b> Note: Sliding windows open horizontally with one or more operating sashes combined with stationary sashes		
<b>08 52 16 00-0757 One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0756)</small></b> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-0758		<b>17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0759	EA	47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	544.68 86.05	57.76
08 52 16 00-0760		<b>23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0761	EA	35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	500.90 78.60	53.40
08 52 16 00-0762	EA	47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	586.38 93.08	61.02
08 52 16 00-0763		<b>35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0764	EA	35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	586.38 93.08	61.02
08 52 16 00-0765	EA	47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	671.86 107.56	67.57
08 52 16 00-0766	EA	59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	757.34 122.04	73.56
08 52 16 00-0767	EA	71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	842.81 136.52	80.10
08 52 16 00-0768		<b>41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0769	EA	35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	630.16 100.53	64.29
08 52 16 00-0770	EA	47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	713.56 114.60	70.83
08 52 16 00-0771	EA	59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	799.04 129.08	76.82
08 52 16 00-0772	EA	71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	956.92 158.04	83.37
08 52 16 00-0773		<b>47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0774	EA	35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	671.86 107.56	67.57
08 52 16 00-0775	EA	47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	757.34 122.04	74.10
08 52 16 00-0776	EA	59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	842.81 136.52	80.10
08 52 16 00-0777	EA	71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	928.28 151.00	86.63
08 52 16 00-0778		<b>53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0779	EA	47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	799.04 129.08	77.38
08 52 16 00-0780	EA	59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	884.52 143.56	83.37
08 52 16 00-0781	EA	71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	970.00 158.04	89.90
08 52 16 00-0782		<b>59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0783	EA	47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	842.81 136.52	80.64
08 52 16 00-0784	EA	59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	928.28 151.00	86.63
08 52 16 00-0785	EA	71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,013.92 165.52	93.17
08 52 16 00-0786		<b>Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0756)</small>		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0787		<b>22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0786)</small>		
08 52 16 00-0788	EA	35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,226.75 223.77	53.40





<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0789 EA 47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,461.17 268.04	61.02
<b>08 52 16 00-0790 35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)</b>		
08 52 16 00-0791 EA 35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,479.79 271.77	61.02
08 52 16 00-0792 EA 47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,716.27 316.45	67.57
08 52 16 00-0793 EA 59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,950.69 360.71	73.56
08 52 16 00-0794 EA 71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,185.09 404.98	80.10
<b>08 52 16 00-0795 41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)</b>		
08 52 16 00-0796 EA 35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,598.03 294.11	64.29
08 52 16 00-0797 EA 47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,832.43 338.37	70.83
08 52 16 00-0798 EA 59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,068.92 383.05	76.82
08 52 16 00-0799 EA 71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,303.33 427.32	83.37
<b>08 52 16 00-0800 47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)</b>		
08 52 16 00-0801 EA 35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,716.27 316.45	67.57
08 52 16 00-0802 EA 47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,950.69 360.71	74.10
08 52 16 00-0803 EA 59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,185.09 404.98	80.10
08 52 16 00-0804 EA 71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,421.56 449.66	86.63
<b>08 52 16 00-0805 59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)</b>		
08 52 16 00-0806 EA 35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,950.69 360.71	74.10
08 52 16 00-0807 EA 47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,185.09 404.98	80.64
08 52 16 00-0808 EA 59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,421.56 449.66	86.63
08 52 16 00-0809 EA 71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,655.98 493.93	93.17
<b>08 52 16 00-0810 Picture Wood Clad Windows (08 52 16)</b> Note: Picture windows are fixed windows.		
<b>08 52 16 00-0811 Picture Wood Clad Windows For Awning And Casement Windows (08 52 16 00-0810)</b>		
<b>08 52 16 00-0812 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0811)</b> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0813 12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)</b>		
08 52 16 00-0814 EA 40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	428.52 68.27	43.59
08 52 16 00-0815 EA 48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	501.89 81.20	47.95
08 52 16 00-0816 EA 52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	533.32 86.61	50.12
08 52 16 00-0817 EA 59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	578.53 94.13	54.48
08 52 16 00-0818 EA 64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	609.54 99.24	56.67
08 52 16 00-0819 EA 71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	654.77 106.76	61.02
<b>08 52 16 00-0820 35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)</b>		

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0821	EA		35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	475.04	53.40
			<i>For Tempered Clear Insulated Glass, Add</i>	73.65	
08 52 16 00-0822	EA		40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	550.07	56.67
			<i>For Tempered Clear Insulated Glass, Add</i>	87.57	
08 52 16 00-0823	EA		48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	660.61	60.48
			<i>For Tempered Clear Insulated Glass, Add</i>	107.93	
08 52 16 00-0824	EA		52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	732.85	62.66
			<i>For Tempered Clear Insulated Glass, Add</i>	121.51	
08 52 16 00-0825	EA		59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	840.60	66.47
			<i>For Tempered Clear Insulated Glass, Add</i>	141.53	
08 52 16 00-0826	EA		64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	915.63	69.20
			<i>For Tempered Clear Insulated Glass, Add</i>	155.45	
08 52 16 00-0827	EA		71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,362.78	73.02
			<i>For Tempered Clear Insulated Glass, Add</i>	243.35	
<b>08 52 16 00-0828</b>			<b>40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)</b>		
08 52 16 00-0829	EA		35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	550.07	56.67
			<i>For Tempered Clear Insulated Glass, Add</i>	87.57	
08 52 16 00-0830	EA		40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	625.10	58.85
			<i>For Tempered Clear Insulated Glass, Add</i>	101.48	
08 52 16 00-0831	EA		48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	735.64	63.21
			<i>For Tempered Clear Insulated Glass, Add</i>	121.85	
08 52 16 00-0832	EA		52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	807.88	65.38
			<i>For Tempered Clear Insulated Glass, Add</i>	135.42	
08 52 16 00-0833	EA		59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	915.63	69.74
			<i>For Tempered Clear Insulated Glass, Add</i>	155.45	
08 52 16 00-0834	EA		64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	990.65	71.92
			<i>For Tempered Clear Insulated Glass, Add</i>	169.36	
08 52 16 00-0835	EA		71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,098.40	76.28
			<i>For Tempered Clear Insulated Glass, Add</i>	189.39	
<b>08 52 16 00-0836</b>			<b>48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)</b>		
08 52 16 00-0837	EA		35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	660.61	61.02
			<i>For Tempered Clear Insulated Glass, Add</i>	107.93	
08 52 16 00-0838	EA		40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	735.64	63.21
			<i>For Tempered Clear Insulated Glass, Add</i>	121.85	
08 52 16 00-0839	EA		48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	846.17	67.57
			<i>For Tempered Clear Insulated Glass, Add</i>	142.21	
08 52 16 00-0840	EA		52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	918.41	69.74
			<i>For Tempered Clear Insulated Glass, Add</i>	155.79	
08 52 16 00-0841	EA		59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,026.17	74.10
			<i>For Tempered Clear Insulated Glass, Add</i>	175.81	
08 52 16 00-0842	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,101.20	76.28
			<i>For Tempered Clear Insulated Glass, Add</i>	189.73	
08 52 16 00-0843	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,208.94	80.64
			<i>For Tempered Clear Insulated Glass, Add</i>	209.75	
<b>08 52 16 00-0844</b>			<b>52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)</b>		
08 52 16 00-0845	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	732.85	63.21
			<i>For Tempered Clear Insulated Glass, Add</i>	121.51	
08 52 16 00-0846	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	807.88	65.38
			<i>For Tempered Clear Insulated Glass, Add</i>	135.42	
08 52 16 00-0847	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	918.41	69.74
			<i>For Tempered Clear Insulated Glass, Add</i>	155.79	
08 52 16 00-0848	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	990.65	71.92
			<i>For Tempered Clear Insulated Glass, Add</i>	169.36	
08 52 16 00-0849	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,098.40	76.28
			<i>For Tempered Clear Insulated Glass, Add</i>	189.39	
08 52 16 00-0850	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,173.43	78.46
			<i>For Tempered Clear Insulated Glass, Add</i>	203.30	
08 52 16 00-0851	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,381.31	82.82
			<i>For Tempered Clear Insulated Glass, Add</i>	243.35	
<b>08 52 16 00-0852</b>			<b>59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)</b>		
08 52 16 00-0853	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	840.60	66.47
			<i>For Tempered Clear Insulated Glass, Add</i>	141.53	
08 52 16 00-0854	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	915.63	69.74
			<i>For Tempered Clear Insulated Glass, Add</i>	155.45	
08 52 16 00-0855	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,026.17	73.56
			<i>For Tempered Clear Insulated Glass, Add</i>	175.81	
08 52 16 00-0856	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,098.40	75.73
			<i>For Tempered Clear Insulated Glass, Add</i>	189.39	
08 52 16 00-0857	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,206.15	79.55
			<i>For Tempered Clear Insulated Glass, Add</i>	209.41	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0858 EA 64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,281.18	82.27
For Tempered Clear Insulated Glass, Add	223.33	
08 52 16 00-0859 EA 71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,388.93	86.09
For Tempered Clear Insulated Glass, Add	243.35	
<b>08 52 16 00-0860 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)</b>		
08 52 16 00-0861 EA 35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	915.63	69.74
For Tempered Clear Insulated Glass, Add	155.45	
08 52 16 00-0862 EA 40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	990.65	71.92
For Tempered Clear Insulated Glass, Add	169.36	
08 52 16 00-0863 EA 48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,101.20	76.28
For Tempered Clear Insulated Glass, Add	189.73	
08 52 16 00-0864 EA 52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,173.43	78.46
For Tempered Clear Insulated Glass, Add	203.30	
08 52 16 00-0865 EA 59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,381.31	82.82
For Tempered Clear Insulated Glass, Add	243.35	
<b>08 52 16 00-0866 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)</b>		
08 52 16 00-0867 EA 35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,023.37	73.02
For Tempered Clear Insulated Glass, Add	175.47	
08 52 16 00-0868 EA 40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,098.40	76.28
For Tempered Clear Insulated Glass, Add	189.39	
08 52 16 00-0869 EA 48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,208.94	80.10
For Tempered Clear Insulated Glass, Add	209.75	
08 52 16 00-0870 EA 52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,281.18	82.27
For Tempered Clear Insulated Glass, Add	223.33	
08 52 16 00-0871 EA 59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,388.93	86.09
For Tempered Clear Insulated Glass, Add	243.35	
<b>08 52 16 00-0872 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0811)</b>		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0873 12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)</b>		
08 52 16 00-0874 EA 40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	508.58	43.59
For Tempered Low-E Insulated Glass, Add	84.28	
08 52 16 00-0875 EA 48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	597.13	47.95
For Tempered Low-E Insulated Glass, Add	100.25	
08 52 16 00-0876 EA 52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	634.90	50.12
For Tempered Low-E Insulated Glass, Add	106.93	
08 52 16 00-0877 EA 59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	688.93	54.48
For Tempered Low-E Insulated Glass, Add	116.21	
08 52 16 00-0878 EA 64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	725.94	56.67
For Tempered Low-E Insulated Glass, Add	122.52	
08 52 16 00-0879 EA 71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	779.98	61.02
For Tempered Low-E Insulated Glass, Add	131.80	
<b>08 52 16 00-0880 35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)</b>		
08 52 16 00-0881 EA 35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	561.42	53.40
For Tempered Low-E Insulated Glass, Add	90.93	
08 52 16 00-0882 EA 40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	652.77	56.67
For Tempered Low-E Insulated Glass, Add	108.11	
08 52 16 00-0883 EA 48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	787.19	60.48
For Tempered Low-E Insulated Glass, Add	133.25	
08 52 16 00-0884 EA 52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	875.36	62.66
For Tempered Low-E Insulated Glass, Add	150.01	
08 52 16 00-0885 EA 59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,006.60	66.47
For Tempered Low-E Insulated Glass, Add	174.73	
08 52 16 00-0886 EA 64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,097.94	69.20
For Tempered Low-E Insulated Glass, Add	191.91	
08 52 16 00-0887 EA 71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,648.19	73.02
For Tempered Low-E Insulated Glass, Add	300.43	
<b>08 52 16 00-0888 40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)</b>		
08 52 16 00-0889 EA 35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	652.77	56.67
For Tempered Low-E Insulated Glass, Add	108.11	
08 52 16 00-0890 EA 40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	744.12	58.85
For Tempered Low-E Insulated Glass, Add	125.29	
08 52 16 00-0891 EA 48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	878.54	63.21
For Tempered Low-E Insulated Glass, Add	150.43	

<b>08</b>	<b>08</b>	<b>Openings</b>
	<b>08 50</b>	<b>Windows</b>
	<b>08 52</b>	<b>Wood Windows</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0892	EA		52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	966.70	65.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	167.19	
08 52 16 00-0893	EA		59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,097.94	69.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	191.91	
08 52 16 00-0894	EA		64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,189.28	71.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	209.09	
08 52 16 00-0895	EA		71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,320.52	76.28
			<i>For Tempered Low-E Insulated Glass, Add</i>	233.81	
<b>08 52 16 00-0896 48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)</b>					
08 52 16 00-0897	EA		35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	787.19	61.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	133.25	
08 52 16 00-0898	EA		40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	878.54	63.21
			<i>For Tempered Low-E Insulated Glass, Add</i>	150.43	
08 52 16 00-0899	EA		48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,012.96	67.57
			<i>For Tempered Low-E Insulated Glass, Add</i>	175.57	
08 52 16 00-0900	EA		52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,101.12	69.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	192.33	
08 52 16 00-0901	EA		59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,232.37	74.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	217.05	
08 52 16 00-0902	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,323.72	76.28
			<i>For Tempered Low-E Insulated Glass, Add</i>	234.23	
08 52 16 00-0903	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,454.94	80.64
			<i>For Tempered Low-E Insulated Glass, Add</i>	258.95	
<b>08 52 16 00-0904 52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)</b>					
08 52 16 00-0905	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	875.36	63.21
			<i>For Tempered Low-E Insulated Glass, Add</i>	150.01	
08 52 16 00-0906	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	966.70	65.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	167.19	
08 52 16 00-0907	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,101.12	69.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	192.33	
08 52 16 00-0908	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,189.28	71.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	209.09	
08 52 16 00-0909	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,320.52	76.28
			<i>For Tempered Low-E Insulated Glass, Add</i>	233.81	
08 52 16 00-0910	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,411.87	78.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	250.99	
08 52 16 00-0911	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,666.72	82.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	300.43	
<b>08 52 16 00-0912 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)</b>					
08 52 16 00-0913	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,006.60	66.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	174.73	
08 52 16 00-0914	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,097.94	69.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	191.91	
08 52 16 00-0915	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,232.37	73.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	217.05	
08 52 16 00-0916	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,320.52	75.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	233.81	
08 52 16 00-0917	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,451.76	79.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	258.53	
08 52 16 00-0918	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,543.11	82.27
			<i>For Tempered Low-E Insulated Glass, Add</i>	275.71	
08 52 16 00-0919	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,674.34	86.09
			<i>For Tempered Low-E Insulated Glass, Add</i>	300.43	
<b>08 52 16 00-0920 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)</b>					
08 52 16 00-0921	EA		35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,097.94	69.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	191.91	
08 52 16 00-0922	EA		40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,189.28	71.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	209.09	
08 52 16 00-0923	EA		48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,323.72	76.28
			<i>For Tempered Low-E Insulated Glass, Add</i>	234.23	
08 52 16 00-0924	EA		52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,411.87	78.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	250.99	
08 52 16 00-0925	EA		59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,666.72	82.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	300.43	
<b>08 52 16 00-0926 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)</b>					



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0927 EA 35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,229.17	73.02
For Tempered Low-E Insulated Glass, Add	216.63	
08 52 16 00-0928 EA 40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,320.52	76.28
For Tempered Low-E Insulated Glass, Add	233.81	
08 52 16 00-0929 EA 48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,454.94	80.10
For Tempered Low-E Insulated Glass, Add	258.95	
08 52 16 00-0930 EA 52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,543.11	82.27
For Tempered Low-E Insulated Glass, Add	275.71	
08 52 16 00-0931 EA 59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,674.34	86.09
For Tempered Low-E Insulated Glass, Add	300.43	
<b>08 52 16 00-0932 Picture Wood Clad Windows For Double Hung Windows (08 52 16 00-0810)</b>		
<b>08 52 16 00-0933 Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0932)</b>		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0934 35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		
08 52 16 00-0935 EA 56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	609.60	68.11
For Tempered Clear Insulated Glass, Add	94.68	
08 52 16 00-0936 EA 59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	625.86	69.74
For Tempered Clear Insulated Glass, Add	97.28	
<b>08 52 16 00-0937 47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		
08 52 16 00-0938 EA 47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	625.86	69.74
For Tempered Clear Insulated Glass, Add	97.28	
08 52 16 00-0939 EA 71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	759.69	82.82
For Tempered Clear Insulated Glass, Add	118.81	
<b>08 52 16 00-0940 53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		
08 52 16 00-0941 EA 56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	710.89	77.92
For Tempered Clear Insulated Glass, Add	111.01	
08 52 16 00-0942 EA 59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	727.16	79.55
For Tempered Clear Insulated Glass, Add	113.61	
<b>08 52 16 00-0943 56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		
08 52 16 00-0944 EA 35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	609.60	68.65
For Tempered Clear Insulated Glass, Add	94.68	
08 52 16 00-0945 EA 53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	710.89	77.92
For Tempered Clear Insulated Glass, Add	111.01	
<b>08 52 16 00-0946 59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		
08 52 16 00-0947 EA 35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	625.86	69.74
For Tempered Clear Insulated Glass, Add	97.28	
08 52 16 00-0948 EA 53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	727.16	79.55
For Tempered Clear Insulated Glass, Add	113.61	
08 52 16 00-0949 EA 59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	759.69	82.82
For Tempered Clear Insulated Glass, Add	118.81	
08 52 16 00-0950 EA 65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	794.06	86.09
For Tempered Clear Insulated Glass, Add	124.38	
<b>08 52 16 00-0951 65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		
08 52 16 00-0952 EA 59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	794.06	86.09
For Tempered Clear Insulated Glass, Add	124.38	
<b>08 52 16 00-0953 71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		
08 52 16 00-0954 EA 47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	759.69	82.82
For Tempered Clear Insulated Glass, Add	118.81	
<b>08 52 16 00-0955 Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0932)</b>		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		

**08 Openings**

08 50 Windows

08 52 Wood Windows

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0956			<b>48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0955)</small>		
08 52 16 00-0957	EA		12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	683.48	51.22
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	116.21	
08 52 16 00-0958	EA		37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	955.76	65.38
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	165.22	
08 52 16 00-0959	EA		41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	997.26	67.02
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	172.64	
08 52 16 00-0960	EA		47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,059.48	70.29
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	183.78	
08 52 16 00-0961	EA		51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,100.97	73.02
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	191.21	
08 52 16 00-0962	EA		59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,185.80	76.82
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	206.43	
08 52 16 00-0963	EA		67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,270.64	81.73
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	221.65	
08 52 16 00-0964			<b>52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0955)</small>		
08 52 16 00-0965	EA		12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	726.83	53.40
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	124.01	
08 52 16 00-0966	EA		37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	997.26	67.57
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	172.64	
08 52 16 00-0967	EA		41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,040.61	69.20
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	180.44	
08 52 16 00-0968	EA		47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,100.97	72.47
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	191.21	
08 52 16 00-0969	EA		51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,144.32	75.19
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	199.01	
08 52 16 00-0970	EA		59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,229.15	79.01
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	214.23	
08 52 16 00-0971	EA		67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,313.98	83.91
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	229.45	
08 52 16 00-0972			<b>56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0955)</small>		
08 52 16 00-0973	EA		12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	768.31	55.57
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	131.43	
08 52 16 00-0974	EA		37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,040.61	69.74
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	180.44	
08 52 16 00-0975	EA		41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,082.09	71.37
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	187.87	
08 52 16 00-0976	EA		47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,144.32	74.65
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	199.01	
08 52 16 00-0977	EA		51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,185.80	77.38
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	206.43	
08 52 16 00-0978	EA		59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,270.64	81.18
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	221.65	
08 52 16 00-0979	EA		67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,357.33	86.09
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	237.25	
08 52 16 00-0980			<b>60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0955)</small>		
08 52 16 00-0981	EA		12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	811.67	57.76
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	139.23	
08 52 16 00-0982	EA		37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,082.09	71.92
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	187.87	
08 52 16 00-0983	EA		41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,125.44	73.56
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	195.66	
08 52 16 00-0984	EA		47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,185.80	76.82
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	206.43	
08 52 16 00-0985	EA		51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,229.15	79.55
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	214.23	
08 52 16 00-0986	EA		59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,313.98	83.37
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	229.45	
08 52 16 00-0987	EA		67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,398.81	88.27
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	244.67	
08 52 16 00-0988			<b>64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0955)</small>		
08 52 16 00-0989	EA		12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	853.15	59.93
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	146.66	
08 52 16 00-0990	EA		37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,125.44	74.10
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	195.66	
08 52 16 00-0991	EA		41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,168.77	75.73
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	203.46	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0992	EA		47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,229.15 214.23	79.01
08 52 16 00-0993	EA		51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,270.64 221.65	81.73
08 52 16 00-0994	EA		59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,357.33 237.25	85.54
08 52 16 00-0995	EA		67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,442.16 252.47	90.45
<b>08 52 16 00-0996</b>			<b>68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> (08 52 16 00-0955)		
08 52 16 00-0997	EA		12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	896.49 154.45	62.12
08 52 16 00-0998	EA		37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,168.77 203.46	76.28
08 52 16 00-0999	EA		41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,210.26 210.89	77.92
08 52 16 00-1000	EA		47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,270.64 221.65	81.18
08 52 16 00-1001	EA		51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,313.98 229.45	83.91
08 52 16 00-1002	EA		59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,398.81 244.67	87.72
08 52 16 00-1003	EA		67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,483.65 259.90	92.62
<b>08 52 16 00-1004</b>			<b>72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> (08 52 16 00-0955)		
08 52 16 00-1005	EA		12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	937.98 161.88	64.29
08 52 16 00-1006	EA		37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,210.26 210.89	78.46
08 52 16 00-1007	EA		41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,253.61 218.68	80.10
08 52 16 00-1008	EA		47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,313.98 229.45	83.37
08 52 16 00-1009	EA		51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,357.33 237.25	86.09
08 52 16 00-1010	EA		59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,442.16 252.47	89.90
08 52 16 00-1011	EA		67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,526.98 267.69	94.81
<b>08 52 16 00-1012</b>			<b>76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> (08 52 16 00-0955)		
08 52 16 00-1013	EA		12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	981.32 169.67	66.47
08 52 16 00-1014	EA		37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,253.61 218.68	80.64
08 52 16 00-1015	EA		41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,295.09 226.11	82.27
08 52 16 00-1016	EA		47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,357.33 237.25	85.54
08 52 16 00-1017	EA		51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,398.81 244.67	88.27
08 52 16 00-1018	EA		59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,483.65 259.90	92.08
08 52 16 00-1019	EA		67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,568.47 275.12	96.98
08 52 16 00-1020			<b>Picture Wood Clad Windows For Horizontal Sliding Windows</b> (08 52 16 00-0810)		
08 52 16 00-1021			<b>Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series)</b> (08 52 16 00-1020) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1022			<b>35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series)</b> (08 52 16 00-1021)		
08 52 16 00-1023	EA		56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	609.60 94.68	68.11
08 52 16 00-1024	EA		59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	625.86 97.28	69.74
08 52 16 00-1025			<b>47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series)</b> (08 52 16 00-1021)		

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1026 EA 47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	625.86 97.28	69.74
08 52 16 00-1027 EA 71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	759.69 118.81	82.82
<b>08 52 16 00-1028 53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)</b>		
08 52 16 00-1029 EA 56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	710.89 111.01	77.92
08 52 16 00-1030 EA 59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	727.16 113.61	79.55
<b>08 52 16 00-1031 56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)</b>		
08 52 16 00-1032 EA 35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	609.60 94.68	68.65
08 52 16 00-1033 EA 53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	710.89 111.01	77.92
<b>08 52 16 00-1034 59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)</b>		
08 52 16 00-1035 EA 35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	625.86 97.28	69.74
08 52 16 00-1036 EA 53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	727.16 113.61	79.55
08 52 16 00-1037 EA 59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	759.69 118.81	82.82
08 52 16 00-1038 EA 65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	794.06 124.38	86.09
<b>08 52 16 00-1039 65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)</b>		
08 52 16 00-1040 EA 59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	794.06 124.38	86.09
<b>08 52 16 00-1041 71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)</b>		
08 52 16 00-1042 EA 47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	759.69 118.81	82.82
<b>08 52 16 00-1043 Basement Wood Clad Windows (08 52 16)</b> Note: Basement windows are hinged at the bottom of the frame and swing outward with a crank or push out operation.		
<b>08 52 16 00-1044 Basement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-1043)</b> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1045 EA 32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series).....	321.62	43.59
08 52 16 00-1046 EA 32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series).....	339.23	43.59
08 52 16 00-1047 EA 32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series).....	354.71	43.59
<b>08 52 16 00-1048 Factory Installed Grilles For Wood Clad Windows (08 52 16)</b>		
<b>08 52 16 00-1049 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1048)</b>		
08 52 16 00-1050 EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	45.81	
08 52 16 00-1051 EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	67.51	
08 52 16 00-1052 EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	91.61	
08 52 16 00-1053 EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	115.72	
08 52 16 00-1054 EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	163.94	
<b>08 52 16 00-1055 Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1048)</b>		
08 52 16 00-1056 EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	73.29	
08 52 16 00-1057 EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	108.01	





<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1058	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	146.58	
08 52 16 00-1059	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	185.16	
08 52 16 00-1060	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	262.31	
<b>08 52 16 00-1061</b>			<b>Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows</b> (08 52 16 00-1048)		
08 52 16 00-1062	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	87.95	
08 52 16 00-1063	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	129.61	
08 52 16 00-1064	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	175.90	
08 52 16 00-1065	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	222.19	
08 52 16 00-1066	EA		>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	314.77	
<b>08 52 16 00-1067</b>			<b>Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows</b> (08 52 16 00-1048)		
08 52 16 00-1068	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	105.55	
08 52 16 00-1069	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	155.53	
08 52 16 00-1070	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	211.07	
08 52 16 00-1071	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	266.62	
08 52 16 00-1072	EA		>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	377.72	
<b>08 52 66</b>			<b>Wood Window Screens</b> (08 52)		
<b>08 52 66 00-0001</b>			<b>Insect Screens For Wood Clad Windows</b> (08 52 66)		
08 52 66 00-0002	EA		Up To 6 SF, Insect Screen For Wood Clad Windows.....	34.65	7.93
08 52 66 00-0003	EA		>6 To 9 SF, Insect Screen For Wood Clad Windows.....	40.02	7.93
08 52 66 00-0004	EA		>9 To 12 SF, Insect Screen For Wood Clad Windows.....	42.70	7.93
08 52 66 00-0005	EA		>12 To 15 SF, Insect Screen For Wood Clad Windows.....	48.07	7.93
08 52 66 00-0006	EA		>15 To 20 SF, Insect Screen For Wood Clad Windows.....	58.80	7.93
08 52 66 00-0007	EA		>20 To 25 SF, Insect Screen For Wood Clad Windows.....	64.16	7.93
08 52 66 00-0008	EA		>25 To 30 SF, Insect Screen For Wood Clad Windows.....	69.53	7.93
08 52 66 00-0009	EA		>30 To 35 SF, Insect Screen For Wood Clad Windows.....	74.90	7.93
08 52 66 00-0010	SF		>35 SF, Insect Screen For Wood Clad Windows.....	2.24	0.16
<b>08 53</b>			<b>Plastic Windows</b> (08 50)		
<b>08 53 13</b>			<b>Vinyl Windows</b> (08 53)		
<b>08 53 13 00-0001</b>			<b>Single Hung Vinyl Windows</b> (08 53 13)		
<b>08 53 13 00-0002</b>			<b>New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> (08 53 13 00-0001) Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
<b>08 53 13 00-0003</b>			<b>34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> (08 53 13 00-0002)		
08 53 13 00-0004	EA		24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	261.80	50.12
			For Colored Vinyl, Add	16.15	
			For Tinted Glass, Add	19.38	
			For Low-E Insulated Glass, Add	40.39	
			For Obscure Glass, Add	44.42	
08 53 13 00-0005	EA		28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	275.17	52.31
			For Colored Vinyl, Add	17.06	
			For Tinted Glass, Add	20.47	
			For Low-E Insulated Glass, Add	42.64	
			For Obscure Glass, Add	46.90	
08 53 13 00-0006	EA		30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	280.81	53.40
			For Colored Vinyl, Add	17.40	
			For Tinted Glass, Add	20.88	
			For Low-E Insulated Glass, Add	43.51	
			For Obscure Glass, Add	47.86	
08 53 13 00-0007	EA		32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	286.92	54.48
			For Colored Vinyl, Add	17.80	
			For Tinted Glass, Add	21.35	
			For Low-E Insulated Glass, Add	44.49	
			For Obscure Glass, Add	48.94	
08 53 13 00-0008	EA		36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	302.29	56.67
			For Colored Vinyl, Add	18.90	
			For Tinted Glass, Add	22.68	
			For Low-E Insulated Glass, Add	47.24	
			For Obscure Glass, Add	51.96	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0009	EA		44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	327.65	61.02
			<i>For Colored Vinyl, Add</i>	20.56	
			<i>For Tinted Glass, Add</i>	24.67	
			<i>For Low-E Insulated Glass, Add</i>	51.40	
			<i>For Obscure Glass, Add</i>	56.54	
<b>08 53 13 00-0010</b>			<b>36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)</b>		
08 53 13 00-0011	EA		24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	267.14	51.22
			<i>For Colored Vinyl, Add</i>	16.47	
			<i>For Tinted Glass, Add</i>	19.77	
			<i>For Low-E Insulated Glass, Add</i>	41.18	
			<i>For Obscure Glass, Add</i>	45.30	
08 53 13 00-0012	EA		28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	280.51	52.31
			<i>For Colored Vinyl, Add</i>	17.37	
			<i>For Tinted Glass, Add</i>	20.85	
			<i>For Low-E Insulated Glass, Add</i>	43.43	
			<i>For Obscure Glass, Add</i>	47.77	
08 53 13 00-0013	EA		30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	286.16	54.48
			<i>For Colored Vinyl, Add</i>	17.72	
			<i>For Tinted Glass, Add</i>	21.26	
			<i>For Low-E Insulated Glass, Add</i>	44.30	
			<i>For Obscure Glass, Add</i>	48.73	
08 53 13 00-0014	EA		32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	292.27	55.57
			<i>For Colored Vinyl, Add</i>	18.11	
			<i>For Tinted Glass, Add</i>	21.73	
			<i>For Low-E Insulated Glass, Add</i>	45.28	
			<i>For Obscure Glass, Add</i>	49.81	
08 53 13 00-0015	EA		36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	307.65	57.76
			<i>For Colored Vinyl, Add</i>	19.21	
			<i>For Tinted Glass, Add</i>	23.06	
			<i>For Low-E Insulated Glass, Add</i>	48.03	
			<i>For Obscure Glass, Add</i>	52.84	
08 53 13 00-0016	EA		44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	333.00	62.12
			<i>For Colored Vinyl, Add</i>	20.88	
			<i>For Tinted Glass, Add</i>	25.05	
			<i>For Low-E Insulated Glass, Add</i>	52.19	
			<i>For Obscure Glass, Add</i>	57.41	
<b>08 53 13 00-0017</b>			<b>38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)</b>		
08 53 13 00-0018	EA		24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	272.35	52.31
			<i>For Colored Vinyl, Add</i>	16.77	
			<i>For Tinted Glass, Add</i>	20.13	
			<i>For Low-E Insulated Glass, Add</i>	41.93	
			<i>For Obscure Glass, Add</i>	46.13	
08 53 13 00-0019	EA		28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	285.71	54.48
			<i>For Colored Vinyl, Add</i>	17.67	
			<i>For Tinted Glass, Add</i>	21.21	
			<i>For Low-E Insulated Glass, Add</i>	44.19	
			<i>For Obscure Glass, Add</i>	48.60	
08 53 13 00-0020	EA		30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	291.56	55.57
			<i>For Colored Vinyl, Add</i>	18.04	
			<i>For Tinted Glass, Add</i>	21.65	
			<i>For Low-E Insulated Glass, Add</i>	45.10	
			<i>For Obscure Glass, Add</i>	49.61	
08 53 13 00-0021	EA		32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	297.67	56.67
			<i>For Colored Vinyl, Add</i>	18.43	
			<i>For Tinted Glass, Add</i>	22.12	
			<i>For Low-E Insulated Glass, Add</i>	46.09	
			<i>For Obscure Glass, Add</i>	50.69	
08 53 13 00-0022	EA		36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	313.27	58.85
			<i>For Colored Vinyl, Add</i>	19.56	
			<i>For Tinted Glass, Add</i>	23.47	
			<i>For Low-E Insulated Glass, Add</i>	48.90	
			<i>For Obscure Glass, Add</i>	53.78	
08 53 13 00-0023	EA		44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	338.93	63.21
			<i>For Colored Vinyl, Add</i>	21.25	
			<i>For Tinted Glass, Add</i>	25.50	
			<i>For Low-E Insulated Glass, Add</i>	53.13	
			<i>For Obscure Glass, Add</i>	58.44	
<b>08 53 13 00-0024</b>			<b>44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)</b>		
08 53 13 00-0025	EA		24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	288.21	55.57
			<i>For Colored Vinyl, Add</i>	17.71	
			<i>For Tinted Glass, Add</i>	21.25	
			<i>For Low-E Insulated Glass, Add</i>	44.27	
			<i>For Obscure Glass, Add</i>	48.69	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0026	EA		28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	301.59	57.76
			For Colored Vinyl, Add	18.61	
			For Tinted Glass, Add	22.33	
			For Low-E Insulated Glass, Add	46.52	
			For Obscure Glass, Add	51.17	
08 53 13 00-0027	EA		30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	308.10	58.85
			For Colored Vinyl, Add	19.04	
			For Tinted Glass, Add	22.85	
			For Low-E Insulated Glass, Add	47.60	
			For Obscure Glass, Add	52.36	
08 53 13 00-0028	EA		32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	314.21	59.93
			For Colored Vinyl, Add	19.43	
			For Tinted Glass, Add	23.32	
			For Low-E Insulated Glass, Add	48.59	
			For Obscure Glass, Add	53.44	
08 53 13 00-0029	EA		36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	330.46	62.12
			For Colored Vinyl, Add	20.62	
			For Tinted Glass, Add	24.75	
			For Low-E Insulated Glass, Add	51.56	
			For Obscure Glass, Add	56.71	
08 53 13 00-0030	EA		44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	356.96	66.47
			For Colored Vinyl, Add	22.40	
			For Tinted Glass, Add	26.88	
			For Low-E Insulated Glass, Add	56.00	
			For Obscure Glass, Add	61.60	
<b>08 53 13 00-0031</b>			<b>46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0032	EA		24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	293.57	56.67
			For Colored Vinyl, Add	18.02	
			For Tinted Glass, Add	21.63	
			For Low-E Insulated Glass, Add	45.06	
			For Obscure Glass, Add	49.57	
08 53 13 00-0033	EA		28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	306.93	58.85
			For Colored Vinyl, Add	18.92	
			For Tinted Glass, Add	22.71	
			For Low-E Insulated Glass, Add	47.31	
			For Obscure Glass, Add	52.04	
08 53 13 00-0034	EA		30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	313.65	59.93
			For Colored Vinyl, Add	19.38	
			For Tinted Glass, Add	23.25	
			For Low-E Insulated Glass, Add	48.45	
			For Obscure Glass, Add	53.29	
08 53 13 00-0035	EA		32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	319.76	61.02
			For Colored Vinyl, Add	19.77	
			For Tinted Glass, Add	23.73	
			For Low-E Insulated Glass, Add	49.43	
			For Obscure Glass, Add	54.37	
08 53 13 00-0036	EA		36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	336.22	63.21
			For Colored Vinyl, Add	20.98	
			For Tinted Glass, Add	25.18	
			For Low-E Insulated Glass, Add	52.45	
			For Obscure Glass, Add	57.70	
08 53 13 00-0037	EA		44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	363.01	67.57
			For Colored Vinyl, Add	22.79	
			For Tinted Glass, Add	27.35	
			For Low-E Insulated Glass, Add	56.97	
			For Obscure Glass, Add	62.67	
<b>08 53 13 00-0038</b>			<b>48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0039	EA		24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	298.98	57.76
			For Colored Vinyl, Add	18.35	
			For Tinted Glass, Add	22.02	
			For Low-E Insulated Glass, Add	45.87	
			For Obscure Glass, Add	50.45	
08 53 13 00-0040	EA		28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	312.33	59.93
			For Colored Vinyl, Add	19.25	
			For Tinted Glass, Add	23.10	
			For Low-E Insulated Glass, Add	48.12	
			For Obscure Glass, Add	52.93	
08 53 13 00-0041	EA		30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	319.25	61.02
			For Colored Vinyl, Add	19.72	
			For Tinted Glass, Add	23.66	
			For Low-E Insulated Glass, Add	49.30	
			For Obscure Glass, Add	54.23	
08 53 13 00-0042	EA		32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	325.36	62.12
			For Colored Vinyl, Add	20.11	
			For Tinted Glass, Add	24.14	
			For Low-E Insulated Glass, Add	50.28	
			For Obscure Glass, Add	55.31	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0043 EA 36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	342.05	64.29
For Colored Vinyl, Add	21.35	
For Tinted Glass, Add	25.62	
For Low-E Insulated Glass, Add	53.37	
For Obscure Glass, Add	58.70	
08 53 13 00-0044 EA 44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	369.14	68.65
For Colored Vinyl, Add	23.18	
For Tinted Glass, Add	27.82	
For Low-E Insulated Glass, Add	57.96	
For Obscure Glass, Add	63.75	
<b>08 53 13 00-0045 50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> (08 53 13 00-0002)		
08 53 13 00-0046 EA 24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	304.16	58.85
For Colored Vinyl, Add	18.65	
For Tinted Glass, Add	22.38	
For Low-E Insulated Glass, Add	46.62	
For Obscure Glass, Add	51.28	
08 53 13 00-0047 EA 28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	317.53	61.02
For Colored Vinyl, Add	19.55	
For Tinted Glass, Add	23.46	
For Low-E Insulated Glass, Add	48.87	
For Obscure Glass, Add	53.76	
08 53 13 00-0048 EA 30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	324.68	62.12
For Colored Vinyl, Add	20.05	
For Tinted Glass, Add	24.05	
For Low-E Insulated Glass, Add	50.11	
For Obscure Glass, Add	55.12	
08 53 13 00-0049 EA 32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	330.79	63.21
For Colored Vinyl, Add	20.44	
For Tinted Glass, Add	24.53	
For Low-E Insulated Glass, Add	51.10	
For Obscure Glass, Add	56.20	
08 53 13 00-0050 EA 36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	347.68	65.38
For Colored Vinyl, Add	21.69	
For Tinted Glass, Add	26.03	
For Low-E Insulated Glass, Add	54.23	
For Obscure Glass, Add	59.65	
08 53 13 00-0051 EA 44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	375.03	69.74
For Colored Vinyl, Add	23.56	
For Tinted Glass, Add	28.27	
For Low-E Insulated Glass, Add	58.89	
For Obscure Glass, Add	64.78	
<b>08 53 13 00-0052 52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> (08 53 13 00-0002)		
08 53 13 00-0053 EA 24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	309.39	59.93
For Colored Vinyl, Add	18.95	
For Tinted Glass, Add	22.74	
For Low-E Insulated Glass, Add	47.38	
For Obscure Glass, Add	52.12	
08 53 13 00-0054 EA 28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	322.75	62.12
For Colored Vinyl, Add	19.85	
For Tinted Glass, Add	23.82	
For Low-E Insulated Glass, Add	49.63	
For Obscure Glass, Add	54.59	
08 53 13 00-0055 EA 30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	330.13	63.21
For Colored Vinyl, Add	20.37	
For Tinted Glass, Add	24.45	
For Low-E Insulated Glass, Add	50.93	
For Obscure Glass, Add	56.02	
08 53 13 00-0056 EA 32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	336.24	64.29
For Colored Vinyl, Add	20.77	
For Tinted Glass, Add	24.92	
For Low-E Insulated Glass, Add	51.91	
For Obscure Glass, Add	57.10	
08 53 13 00-0057 EA 36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	353.36	66.47
For Colored Vinyl, Add	22.04	
For Tinted Glass, Add	26.45	
For Low-E Insulated Glass, Add	55.10	
For Obscure Glass, Add	60.61	
08 53 13 00-0058 EA 44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	381.00	70.83
For Colored Vinyl, Add	23.93	
For Tinted Glass, Add	28.72	
For Low-E Insulated Glass, Add	59.83	
For Obscure Glass, Add	65.82	
<b>08 53 13 00-0059 54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> (08 53 13 00-0002)		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0060 EA 24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	314.61	61.02
For Colored Vinyl, Add	19.26	
For Tinted Glass, Add	23.11	
For Low-E Insulated Glass, Add	48.14	
For Obscure Glass, Add	52.95	
08 53 13 00-0061 EA 28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	327.98	63.21
For Colored Vinyl, Add	20.16	
For Tinted Glass, Add	24.19	
For Low-E Insulated Glass, Add	50.39	
For Obscure Glass, Add	55.43	
08 53 13 00-0062 EA 30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	335.56	64.29
For Colored Vinyl, Add	20.70	
For Tinted Glass, Add	24.84	
For Low-E Insulated Glass, Add	51.74	
For Obscure Glass, Add	56.92	
08 53 13 00-0063 EA 32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	341.67	65.38
For Colored Vinyl, Add	21.09	
For Tinted Glass, Add	25.31	
For Low-E Insulated Glass, Add	52.73	
For Obscure Glass, Add	58.00	
08 53 13 00-0064 EA 36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	358.98	67.57
For Colored Vinyl, Add	22.39	
For Tinted Glass, Add	26.86	
For Low-E Insulated Glass, Add	55.97	
For Obscure Glass, Add	61.56	
08 53 13 00-0065 EA 44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	386.90	71.92
For Colored Vinyl, Add	24.31	
For Tinted Glass, Add	29.17	
For Low-E Insulated Glass, Add	60.77	
For Obscure Glass, Add	66.84	
<b>08 53 13 00-0066 60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0067 EA 24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	330.66	64.29
For Colored Vinyl, Add	20.21	
For Tinted Glass, Add	24.25	
For Low-E Insulated Glass, Add	50.52	
For Obscure Glass, Add	55.57	
08 53 13 00-0068 EA 28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	344.03	66.47
For Colored Vinyl, Add	21.11	
For Tinted Glass, Add	25.33	
For Low-E Insulated Glass, Add	52.77	
For Obscure Glass, Add	58.05	
08 53 13 00-0069 EA 30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	352.21	67.57
For Colored Vinyl, Add	21.71	
For Tinted Glass, Add	26.05	
For Low-E Insulated Glass, Add	54.27	
For Obscure Glass, Add	59.70	
08 53 13 00-0070 EA 32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	358.33	68.65
For Colored Vinyl, Add	22.10	
For Tinted Glass, Add	26.52	
For Low-E Insulated Glass, Add	55.26	
For Obscure Glass, Add	60.78	
08 53 13 00-0071 EA 36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	376.31	70.83
For Colored Vinyl, Add	23.46	
For Tinted Glass, Add	28.16	
For Low-E Insulated Glass, Add	58.66	
For Obscure Glass, Add	64.53	
08 53 13 00-0072 EA 44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	405.08	75.19
For Colored Vinyl, Add	25.47	
For Tinted Glass, Add	30.56	
For Low-E Insulated Glass, Add	63.68	
For Obscure Glass, Add	70.04	
<b>08 53 13 00-0073 62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0074 EA 24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	335.89	65.38
For Colored Vinyl, Add	20.51	
For Tinted Glass, Add	24.61	
For Low-E Insulated Glass, Add	51.28	
For Obscure Glass, Add	56.41	
08 53 13 00-0075 EA 28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	349.24	67.57
For Colored Vinyl, Add	21.41	
For Tinted Glass, Add	25.69	
For Low-E Insulated Glass, Add	53.53	
For Obscure Glass, Add	58.88	
08 53 13 00-0076 EA 30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	357.70	68.65
For Colored Vinyl, Add	22.04	
For Tinted Glass, Add	26.45	
For Low-E Insulated Glass, Add	55.10	
For Obscure Glass, Add	60.61	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0077	EA		32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	363.80	69.74
			<i>For Colored Vinyl, Add</i>	22.43	
			<i>For Tinted Glass, Add</i>	26.92	
			<i>For Low-E Insulated Glass, Add</i>	56.08	
			<i>For Obscure Glass, Add</i>	61.69	
08 53 13 00-0078	EA		36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	381.98	71.92
			<i>For Colored Vinyl, Add</i>	23.81	
			<i>For Tinted Glass, Add</i>	28.58	
			<i>For Low-E Insulated Glass, Add</i>	59.54	
			<i>For Obscure Glass, Add</i>	65.49	
08 53 13 00-0079	EA		44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	411.08	76.28
			<i>For Colored Vinyl, Add</i>	25.85	
			<i>For Tinted Glass, Add</i>	31.02	
			<i>For Low-E Insulated Glass, Add</i>	64.63	
			<i>For Obscure Glass, Add</i>	71.09	
<b>08 53 13 00-0080</b>			<b>66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0081	EA		24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	346.48	67.57
			<i>For Colored Vinyl, Add</i>	21.14	
			<i>For Tinted Glass, Add</i>	25.36	
			<i>For Low-E Insulated Glass, Add</i>	52.84	
			<i>For Obscure Glass, Add</i>	58.12	
08 53 13 00-0082	EA		28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	359.84	69.74
			<i>For Colored Vinyl, Add</i>	22.04	
			<i>For Tinted Glass, Add</i>	26.44	
			<i>For Low-E Insulated Glass, Add</i>	55.09	
			<i>For Obscure Glass, Add</i>	60.60	
08 53 13 00-0083	EA		30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	368.70	70.83
			<i>For Colored Vinyl, Add</i>	22.70	
			<i>For Tinted Glass, Add</i>	27.24	
			<i>For Low-E Insulated Glass, Add</i>	56.76	
			<i>For Obscure Glass, Add</i>	62.43	
08 53 13 00-0084	EA		32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	374.80	71.92
			<i>For Colored Vinyl, Add</i>	23.10	
			<i>For Tinted Glass, Add</i>	27.72	
			<i>For Low-E Insulated Glass, Add</i>	57.74	
			<i>For Obscure Glass, Add</i>	63.51	
08 53 13 00-0085	EA		36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	393.45	74.10
			<i>For Colored Vinyl, Add</i>	24.52	
			<i>For Tinted Glass, Add</i>	29.43	
			<i>For Low-E Insulated Glass, Add</i>	61.31	
			<i>For Obscure Glass, Add</i>	67.44	
08 53 13 00-0086	EA		44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	423.06	78.46
			<i>For Colored Vinyl, Add</i>	26.61	
			<i>For Tinted Glass, Add</i>	31.94	
			<i>For Low-E Insulated Glass, Add</i>	66.54	
			<i>For Obscure Glass, Add</i>	73.19	
<b>08 53 13 00-0087</b>			<b>72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0088	EA		24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	362.54	70.83
			<i>For Colored Vinyl, Add</i>	22.09	
			<i>For Tinted Glass, Add</i>	26.50	
			<i>For Low-E Insulated Glass, Add</i>	55.22	
			<i>For Obscure Glass, Add</i>	60.74	
08 53 13 00-0089	EA		28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	375.89	73.02
			<i>For Colored Vinyl, Add</i>	22.99	
			<i>For Tinted Glass, Add</i>	27.58	
			<i>For Low-E Insulated Glass, Add</i>	57.47	
			<i>For Obscure Glass, Add</i>	63.21	
08 53 13 00-0090	EA		30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	384.75	74.10
			<i>For Colored Vinyl, Add</i>	23.65	
			<i>For Tinted Glass, Add</i>	28.38	
			<i>For Low-E Insulated Glass, Add</i>	59.14	
			<i>For Obscure Glass, Add</i>	65.05	
08 53 13 00-0091	EA		32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	390.85	75.19
			<i>For Colored Vinyl, Add</i>	24.05	
			<i>For Tinted Glass, Add</i>	28.86	
			<i>For Low-E Insulated Glass, Add</i>	60.12	
			<i>For Obscure Glass, Add</i>	66.13	
08 53 13 00-0092	EA		36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	409.49	77.38
			<i>For Colored Vinyl, Add</i>	25.48	
			<i>For Tinted Glass, Add</i>	30.57	
			<i>For Low-E Insulated Glass, Add</i>	63.69	
			<i>For Obscure Glass, Add</i>	70.06	
08 53 13 00-0093	EA		44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	439.11	81.73
			<i>For Colored Vinyl, Add</i>	27.57	
			<i>For Tinted Glass, Add</i>	33.08	
			<i>For Low-E Insulated Glass, Add</i>	68.91	
			<i>For Obscure Glass, Add</i>	75.80	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Windows</b>	<b>08 50</b>	
<b>Plastic Windows</b>	<b>08 53</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 53 13 00-0094 Replacement, Single Hung Vinyl Windows (Silver Line 2000)</b> <small>(08 53 13 00-0001)</small> Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0095 EA Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000) .....	373.64	57.21
For Colored Vinyl, Add	25.92	
For Tinted Glass, Add	31.11	
For Low-E Insulated Glass, Add	64.81	
For Obscure Glass, Add	71.29	
08 53 13 00-0096 EA >73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000) .....	409.52	62.66
For Colored Vinyl, Add	28.42	
For Tinted Glass, Add	34.10	
For Low-E Insulated Glass, Add	71.05	
For Obscure Glass, Add	78.16	
08 53 13 00-0097 EA >83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000) .....	442.87	68.11
For Colored Vinyl, Add	30.67	
For Tinted Glass, Add	36.80	
For Low-E Insulated Glass, Add	76.66	
For Obscure Glass, Add	84.33	
08 53 13 00-0098 EA >93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000) .....	467.34	73.56
For Colored Vinyl, Add	32.02	
For Tinted Glass, Add	38.43	
For Low-E Insulated Glass, Add	80.06	
For Obscure Glass, Add	88.06	
08 53 13 00-0099 EA >101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000) .....	492.81	79.01
For Colored Vinyl, Add	33.48	
For Tinted Glass, Add	40.18	
For Low-E Insulated Glass, Add	83.70	
For Obscure Glass, Add	92.07	
08 53 13 00-0100 EA >110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000) .....	534.15	84.46
For Colored Vinyl, Add	36.52	
For Tinted Glass, Add	43.83	
For Low-E Insulated Glass, Add	91.31	
For Obscure Glass, Add	100.44	
08 53 13 00-0101 UI >120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000) .....	4.46	0.70
For Colored Vinyl, Add	0.30	
For Tinted Glass, Add	0.36	
For Low-E Insulated Glass, Add	0.76	
For Obscure Glass, Add	0.84	
<b>08 53 13 00-0102 Double Hung Vinyl Windows</b> <small>(08 53 13)</small>		
<b>08 53 13 00-0103 New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0102)</small> Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
<b>08 53 13 00-0104 34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0105 EA 24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	359.38	50.12
For Colored Vinyl, Add	25.91	
For Tinted Glass, Add	31.09	
For Low-E Insulated Glass, Add	64.78	
For Obscure Glass, Add	71.26	
08 53 13 00-0106 EA 28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	372.74	52.31
For Colored Vinyl, Add	26.81	
For Tinted Glass, Add	32.17	
For Low-E Insulated Glass, Add	67.03	
For Obscure Glass, Add	73.73	
08 53 13 00-0107 EA 30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	379.22	53.40
For Colored Vinyl, Add	27.24	
For Tinted Glass, Add	32.69	
For Low-E Insulated Glass, Add	68.11	
For Obscure Glass, Add	74.92	
08 53 13 00-0108 EA 32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	385.33	54.48
For Colored Vinyl, Add	27.64	
For Tinted Glass, Add	33.16	
For Low-E Insulated Glass, Add	69.09	
For Obscure Glass, Add	76.00	
08 53 13 00-0109 EA 36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	399.86	56.67
For Colored Vinyl, Add	28.65	
For Tinted Glass, Add	34.38	
For Low-E Insulated Glass, Add	71.63	
For Obscure Glass, Add	78.80	
08 53 13 00-0110 EA 44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	424.13	61.02
For Colored Vinyl, Add	30.21	
For Tinted Glass, Add	36.25	
For Low-E Insulated Glass, Add	75.52	
For Obscure Glass, Add	83.07	
<b>08 53 13 00-0111 36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0112	EA		24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	364.72	51.22
			<i>For Colored Vinyl, Add</i>	26.23	
			<i>For Tinted Glass, Add</i>	31.47	
			<i>For Low-E Insulated Glass, Add</i>	65.57	
			<i>For Obscure Glass, Add</i>	72.13	
08 53 13 00-0113	EA		28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	378.08	53.40
			<i>For Colored Vinyl, Add</i>	27.13	
			<i>For Tinted Glass, Add</i>	32.55	
			<i>For Low-E Insulated Glass, Add</i>	67.82	
			<i>For Obscure Glass, Add</i>	74.60	
08 53 13 00-0114	EA		30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	384.57	54.48
			<i>For Colored Vinyl, Add</i>	27.56	
			<i>For Tinted Glass, Add</i>	33.07	
			<i>For Low-E Insulated Glass, Add</i>	68.90	
			<i>For Obscure Glass, Add</i>	75.79	
08 53 13 00-0115	EA		32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	390.68	55.57
			<i>For Colored Vinyl, Add</i>	27.95	
			<i>For Tinted Glass, Add</i>	33.54	
			<i>For Low-E Insulated Glass, Add</i>	69.88	
			<i>For Obscure Glass, Add</i>	76.87	
08 53 13 00-0116	EA		36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	405.23	57.76
			<i>For Colored Vinyl, Add</i>	28.97	
			<i>For Tinted Glass, Add</i>	34.77	
			<i>For Low-E Insulated Glass, Add</i>	72.43	
			<i>For Obscure Glass, Add</i>	79.67	
08 53 13 00-0117	EA		44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	429.48	62.12
			<i>For Colored Vinyl, Add</i>	30.53	
			<i>For Tinted Glass, Add</i>	36.63	
			<i>For Low-E Insulated Glass, Add</i>	76.31	
			<i>For Obscure Glass, Add</i>	83.94	
<b>08 53 13 00-0118</b>			<b>38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0119	EA		24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	369.62	52.31
			<i>For Colored Vinyl, Add</i>	26.50	
			<i>For Tinted Glass, Add</i>	31.80	
			<i>For Low-E Insulated Glass, Add</i>	66.25	
			<i>For Obscure Glass, Add</i>	72.88	
08 53 13 00-0120	EA		28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	382.98	54.48
			<i>For Colored Vinyl, Add</i>	27.40	
			<i>For Tinted Glass, Add</i>	32.88	
			<i>For Low-E Insulated Glass, Add</i>	68.50	
			<i>For Obscure Glass, Add</i>	75.35	
08 53 13 00-0121	EA		30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	389.64	55.57
			<i>For Colored Vinyl, Add</i>	27.85	
			<i>For Tinted Glass, Add</i>	33.42	
			<i>For Low-E Insulated Glass, Add</i>	69.62	
			<i>For Obscure Glass, Add</i>	76.58	
08 53 13 00-0122	EA		32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	395.76	56.67
			<i>For Colored Vinyl, Add</i>	28.24	
			<i>For Tinted Glass, Add</i>	33.89	
			<i>For Low-E Insulated Glass, Add</i>	70.61	
			<i>For Obscure Glass, Add</i>	77.67	
08 53 13 00-0123	EA		36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	410.54	58.85
			<i>For Colored Vinyl, Add</i>	29.29	
			<i>For Tinted Glass, Add</i>	35.14	
			<i>For Low-E Insulated Glass, Add</i>	73.21	
			<i>For Obscure Glass, Add</i>	80.53	
08 53 13 00-0124	EA		44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	435.06	63.21
			<i>For Colored Vinyl, Add</i>	30.87	
			<i>For Tinted Glass, Add</i>	37.04	
			<i>For Low-E Insulated Glass, Add</i>	77.16	
			<i>For Obscure Glass, Add</i>	84.88	
<b>08 53 13 00-0125</b>			<b>44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0126	EA		24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	386.02	55.57
			<i>For Colored Vinyl, Add</i>	27.49	
			<i>For Tinted Glass, Add</i>	32.98	
			<i>For Low-E Insulated Glass, Add</i>	68.72	
			<i>For Obscure Glass, Add</i>	75.59	
08 53 13 00-0127	EA		28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	399.39	57.76
			<i>For Colored Vinyl, Add</i>	28.39	
			<i>For Tinted Glass, Add</i>	34.06	
			<i>For Low-E Insulated Glass, Add</i>	70.97	
			<i>For Obscure Glass, Add</i>	78.06	
08 53 13 00-0128	EA		30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	405.01	58.85
			<i>For Colored Vinyl, Add</i>	28.73	
			<i>For Tinted Glass, Add</i>	34.48	
			<i>For Low-E Insulated Glass, Add</i>	71.83	
			<i>For Obscure Glass, Add</i>	79.01	





<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0129	EA		32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	411.12	59.93
			<i>For Colored Vinyl, Add</i>	29.13	
			<i>For Tinted Glass, Add</i>	34.95	
			<i>For Low-E Insulated Glass, Add</i>	72.81	
			<i>For Obscure Glass, Add</i>	80.09	
08 53 13 00-0130	EA		36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	426.47	62.12
			<i>For Colored Vinyl, Add</i>	30.22	
			<i>For Tinted Glass, Add</i>	36.27	
			<i>For Low-E Insulated Glass, Add</i>	75.56	
			<i>For Obscure Glass, Add</i>	83.12	
08 53 13 00-0131	EA		44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	452.25	66.47
			<i>For Colored Vinyl, Add</i>	31.93	
			<i>For Tinted Glass, Add</i>	38.32	
			<i>For Low-E Insulated Glass, Add</i>	79.83	
			<i>For Obscure Glass, Add</i>	87.81	
<b>08 53 13 00-0132</b>			<b>46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0133	EA		24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	390.89	56.67
			<i>For Colored Vinyl, Add</i>	27.76	
			<i>For Tinted Glass, Add</i>	33.31	
			<i>For Low-E Insulated Glass, Add</i>	69.39	
			<i>For Obscure Glass, Add</i>	76.33	
08 53 13 00-0134	EA		28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	404.25	58.85
			<i>For Colored Vinyl, Add</i>	28.66	
			<i>For Tinted Glass, Add</i>	34.39	
			<i>For Low-E Insulated Glass, Add</i>	71.64	
			<i>For Obscure Glass, Add</i>	78.80	
08 53 13 00-0135	EA		30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	410.16	59.93
			<i>For Colored Vinyl, Add</i>	29.03	
			<i>For Tinted Glass, Add</i>	34.83	
			<i>For Low-E Insulated Glass, Add</i>	72.57	
			<i>For Obscure Glass, Add</i>	79.83	
08 53 13 00-0136	EA		32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	416.27	61.02
			<i>For Colored Vinyl, Add</i>	29.42	
			<i>For Tinted Glass, Add</i>	35.31	
			<i>For Low-E Insulated Glass, Add</i>	73.56	
			<i>For Obscure Glass, Add</i>	80.91	
08 53 13 00-0137	EA		36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	431.79	63.21
			<i>For Colored Vinyl, Add</i>	30.54	
			<i>For Tinted Glass, Add</i>	36.65	
			<i>For Low-E Insulated Glass, Add</i>	76.35	
			<i>For Obscure Glass, Add</i>	83.98	
08 53 13 00-0138	EA		44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	458.33	67.57
			<i>For Colored Vinyl, Add</i>	32.32	
			<i>For Tinted Glass, Add</i>	38.79	
			<i>For Low-E Insulated Glass, Add</i>	80.80	
			<i>For Obscure Glass, Add</i>	88.88	
<b>08 53 13 00-0139</b>			<b>48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0140	EA		24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	395.82	57.76
			<i>For Colored Vinyl, Add</i>	28.03	
			<i>For Tinted Glass, Add</i>	33.64	
			<i>For Low-E Insulated Glass, Add</i>	70.08	
			<i>For Obscure Glass, Add</i>	77.08	
08 53 13 00-0141	EA		28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	409.17	59.93
			<i>For Colored Vinyl, Add</i>	28.93	
			<i>For Tinted Glass, Add</i>	34.72	
			<i>For Low-E Insulated Glass, Add</i>	72.33	
			<i>For Obscure Glass, Add</i>	79.56	
08 53 13 00-0142	EA		30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	415.23	61.02
			<i>For Colored Vinyl, Add</i>	29.32	
			<i>For Tinted Glass, Add</i>	35.18	
			<i>For Low-E Insulated Glass, Add</i>	73.30	
			<i>For Obscure Glass, Add</i>	80.62	
08 53 13 00-0143	EA		32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	421.34	62.12
			<i>For Colored Vinyl, Add</i>	29.71	
			<i>For Tinted Glass, Add</i>	35.65	
			<i>For Low-E Insulated Glass, Add</i>	74.28	
			<i>For Obscure Glass, Add</i>	81.71	
08 53 13 00-0144	EA		36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	437.12	64.29
			<i>For Colored Vinyl, Add</i>	30.85	
			<i>For Tinted Glass, Add</i>	37.02	
			<i>For Low-E Insulated Glass, Add</i>	77.13	
			<i>For Obscure Glass, Add</i>	84.85	
08 53 13 00-0145	EA		44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	464.33	68.65
			<i>For Colored Vinyl, Add</i>	32.70	
			<i>For Tinted Glass, Add</i>	39.24	
			<i>For Low-E Insulated Glass, Add</i>	81.76	
			<i>For Obscure Glass, Add</i>	89.93	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0146			<b>50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0147	EA		24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	400.67	58.85
			For Colored Vinyl, Add	28.30	
			For Tinted Glass, Add	33.96	
			For Low-E Insulated Glass, Add	70.75	
			For Obscure Glass, Add	77.82	
08 53 13 00-0148	EA		28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	414.04	61.02
			For Colored Vinyl, Add	29.20	
			For Tinted Glass, Add	35.04	
			For Low-E Insulated Glass, Add	73.00	
			For Obscure Glass, Add	80.30	
08 53 13 00-0149	EA		30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	420.35	62.12
			For Colored Vinyl, Add	29.61	
			For Tinted Glass, Add	35.53	
			For Low-E Insulated Glass, Add	74.03	
			For Obscure Glass, Add	81.43	
08 53 13 00-0150	EA		32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	426.46	63.21
			For Colored Vinyl, Add	30.01	
			For Tinted Glass, Add	36.01	
			For Low-E Insulated Glass, Add	75.01	
			For Obscure Glass, Add	82.51	
08 53 13 00-0151	EA		36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	442.44	65.38
			For Colored Vinyl, Add	31.17	
			For Tinted Glass, Add	37.40	
			For Low-E Insulated Glass, Add	77.92	
			For Obscure Glass, Add	85.71	
08 53 13 00-0152	EA		44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	470.38	69.74
			For Colored Vinyl, Add	33.09	
			For Tinted Glass, Add	39.71	
			For Low-E Insulated Glass, Add	82.73	
			For Obscure Glass, Add	91.00	
08 53 13 00-0153			<b>52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0154	EA		24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	405.57	59.93
			For Colored Vinyl, Add	28.57	
			For Tinted Glass, Add	34.28	
			For Low-E Insulated Glass, Add	71.43	
			For Obscure Glass, Add	78.57	
08 53 13 00-0155	EA		28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	418.93	62.12
			For Colored Vinyl, Add	29.47	
			For Tinted Glass, Add	35.36	
			For Low-E Insulated Glass, Add	73.68	
			For Obscure Glass, Add	81.04	
08 53 13 00-0156	EA		30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	425.42	63.21
			For Colored Vinyl, Add	29.90	
			For Tinted Glass, Add	35.88	
			For Low-E Insulated Glass, Add	74.75	
			For Obscure Glass, Add	82.23	
08 53 13 00-0157	EA		32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	431.54	64.29
			For Colored Vinyl, Add	30.30	
			For Tinted Glass, Add	36.35	
			For Low-E Insulated Glass, Add	75.74	
			For Obscure Glass, Add	83.31	
08 53 13 00-0158	EA		36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	448.20	66.47
			For Colored Vinyl, Add	31.53	
			For Tinted Glass, Add	37.83	
			For Low-E Insulated Glass, Add	78.81	
			For Obscure Glass, Add	86.69	
08 53 13 00-0159	EA		44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	476.35	70.83
			For Colored Vinyl, Add	33.47	
			For Tinted Glass, Add	40.16	
			For Low-E Insulated Glass, Add	83.67	
			For Obscure Glass, Add	92.04	
08 53 13 00-0160			<b>54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0161	EA		24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	410.49	61.02
			For Colored Vinyl, Add	28.84	
			For Tinted Glass, Add	34.61	
			For Low-E Insulated Glass, Add	72.11	
			For Obscure Glass, Add	79.32	
08 53 13 00-0162	EA		28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	423.85	63.21
			For Colored Vinyl, Add	29.74	
			For Tinted Glass, Add	35.69	
			For Low-E Insulated Glass, Add	74.36	
			For Obscure Glass, Add	81.80	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0163	EA		30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	430.57	64.29
			<i>For Colored Vinyl, Add</i>	30.20	
			<i>For Tinted Glass, Add</i>	36.24	
			<i>For Low-E Insulated Glass, Add</i>	75.50	
			<i>For Obscure Glass, Add</i>	83.04	
08 53 13 00-0164	EA		32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	436.68	65.38
			<i>For Colored Vinyl, Add</i>	30.59	
			<i>For Tinted Glass, Add</i>	36.71	
			<i>For Low-E Insulated Glass, Add</i>	76.48	
			<i>For Obscure Glass, Add</i>	84.13	
08 53 13 00-0165	EA		36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	453.94	67.57
			<i>For Colored Vinyl, Add</i>	31.88	
			<i>For Tinted Glass, Add</i>	38.26	
			<i>For Low-E Insulated Glass, Add</i>	79.71	
			<i>For Obscure Glass, Add</i>	87.68	
08 53 13 00-0166	EA		44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	482.32	71.92
			<i>For Colored Vinyl, Add</i>	33.85	
			<i>For Tinted Glass, Add</i>	40.62	
			<i>For Low-E Insulated Glass, Add</i>	84.62	
			<i>For Obscure Glass, Add</i>	93.08	
<b>08 53 13 00-0167</b>			<b>60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0168	EA		24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	425.22	64.29
			<i>For Colored Vinyl, Add</i>	29.66	
			<i>For Tinted Glass, Add</i>	35.60	
			<i>For Low-E Insulated Glass, Add</i>	74.16	
			<i>For Obscure Glass, Add</i>	81.57	
08 53 13 00-0169	EA		28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	438.58	66.47
			<i>For Colored Vinyl, Add</i>	30.56	
			<i>For Tinted Glass, Add</i>	36.68	
			<i>For Low-E Insulated Glass, Add</i>	76.41	
			<i>For Obscure Glass, Add</i>	84.05	
08 53 13 00-0170	EA		30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	446.79	67.57
			<i>For Colored Vinyl, Add</i>	31.17	
			<i>For Tinted Glass, Add</i>	37.40	
			<i>For Low-E Insulated Glass, Add</i>	77.92	
			<i>For Obscure Glass, Add</i>	85.71	
08 53 13 00-0171	EA		32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	452.91	68.65
			<i>For Colored Vinyl, Add</i>	31.56	
			<i>For Tinted Glass, Add</i>	37.87	
			<i>For Low-E Insulated Glass, Add</i>	78.90	
			<i>For Obscure Glass, Add</i>	86.79	
08 53 13 00-0172	EA		36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	471.15	70.83
			<i>For Colored Vinyl, Add</i>	32.95	
			<i>For Tinted Glass, Add</i>	39.54	
			<i>For Low-E Insulated Glass, Add</i>	82.37	
			<i>For Obscure Glass, Add</i>	90.61	
08 53 13 00-0173	EA		44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	500.32	75.19
			<i>For Colored Vinyl, Add</i>	34.99	
			<i>For Tinted Glass, Add</i>	41.99	
			<i>For Low-E Insulated Glass, Add</i>	87.49	
			<i>For Obscure Glass, Add</i>	96.23	
<b>08 53 13 00-0174</b>			<b>62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0175	EA		24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	430.11	65.38
			<i>For Colored Vinyl, Add</i>	29.93	
			<i>For Tinted Glass, Add</i>	35.92	
			<i>For Low-E Insulated Glass, Add</i>	74.84	
			<i>For Obscure Glass, Add</i>	82.32	
08 53 13 00-0176	EA		28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	443.47	67.57
			<i>For Colored Vinyl, Add</i>	30.84	
			<i>For Tinted Glass, Add</i>	37.00	
			<i>For Low-E Insulated Glass, Add</i>	77.09	
			<i>For Obscure Glass, Add</i>	84.80	
08 53 13 00-0177	EA		30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	452.30	68.65
			<i>For Colored Vinyl, Add</i>	31.50	
			<i>For Tinted Glass, Add</i>	37.80	
			<i>For Low-E Insulated Glass, Add</i>	78.75	
			<i>For Obscure Glass, Add</i>	86.62	
08 53 13 00-0178	EA		32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	458.40	69.74
			<i>For Colored Vinyl, Add</i>	31.89	
			<i>For Tinted Glass, Add</i>	38.27	
			<i>For Low-E Insulated Glass, Add</i>	79.73	
			<i>For Obscure Glass, Add</i>	87.70	
08 53 13 00-0179	EA		36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	476.84	71.92
			<i>For Colored Vinyl, Add</i>	33.30	
			<i>For Tinted Glass, Add</i>	39.96	
			<i>For Low-E Insulated Glass, Add</i>	83.25	
			<i>For Obscure Glass, Add</i>	91.58	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0180	EA		44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	506.83	76.28
			<i>For Colored Vinyl, Add</i>	35.43	
			<i>For Tinted Glass, Add</i>	42.51	
			<i>For Low-E Insulated Glass, Add</i>	88.57	
			<i>For Obscure Glass, Add</i>	97.42	
<b>08 53 13 00-0181</b>			<b>66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0182	EA		24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	440.80	67.57
			<i>For Colored Vinyl, Add</i>	30.57	
			<i>For Tinted Glass, Add</i>	36.68	
			<i>For Low-E Insulated Glass, Add</i>	76.42	
			<i>For Obscure Glass, Add</i>	84.06	
08 53 13 00-0183	EA		28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	454.17	69.74
			<i>For Colored Vinyl, Add</i>	31.47	
			<i>For Tinted Glass, Add</i>	37.76	
			<i>For Low-E Insulated Glass, Add</i>	78.67	
			<i>For Obscure Glass, Add</i>	86.54	
08 53 13 00-0184	EA		30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	463.33	70.83
			<i>For Colored Vinyl, Add</i>	32.17	
			<i>For Tinted Glass, Add</i>	38.60	
			<i>For Low-E Insulated Glass, Add</i>	80.42	
			<i>For Obscure Glass, Add</i>	88.46	
08 53 13 00-0185	EA		32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	469.44	71.92
			<i>For Colored Vinyl, Add</i>	32.56	
			<i>For Tinted Glass, Add</i>	39.07	
			<i>For Low-E Insulated Glass, Add</i>	81.40	
			<i>For Obscure Glass, Add</i>	89.54	
08 53 13 00-0186	EA		36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	488.36	74.10
			<i>For Colored Vinyl, Add</i>	34.02	
			<i>For Tinted Glass, Add</i>	40.82	
			<i>For Low-E Insulated Glass, Add</i>	85.04	
			<i>For Obscure Glass, Add</i>	93.54	
08 53 13 00-0187	EA		44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	519.39	78.46
			<i>For Colored Vinyl, Add</i>	36.25	
			<i>For Tinted Glass, Add</i>	43.50	
			<i>For Low-E Insulated Glass, Add</i>	90.62	
			<i>For Obscure Glass, Add</i>	99.68	
<b>08 53 13 00-0188</b>			<b>72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0189	EA		24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	456.87	70.83
			<i>For Colored Vinyl, Add</i>	31.52	
			<i>For Tinted Glass, Add</i>	37.82	
			<i>For Low-E Insulated Glass, Add</i>	78.80	
			<i>For Obscure Glass, Add</i>	86.68	
08 53 13 00-0190	EA		28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	470.22	73.02
			<i>For Colored Vinyl, Add</i>	32.42	
			<i>For Tinted Glass, Add</i>	38.90	
			<i>For Low-E Insulated Glass, Add</i>	81.05	
			<i>For Obscure Glass, Add</i>	89.16	
08 53 13 00-0191	EA		30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	479.39	74.10
			<i>For Colored Vinyl, Add</i>	33.12	
			<i>For Tinted Glass, Add</i>	39.74	
			<i>For Low-E Insulated Glass, Add</i>	82.80	
			<i>For Obscure Glass, Add</i>	91.07	
08 53 13 00-0192	EA		32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	485.49	75.19
			<i>For Colored Vinyl, Add</i>	33.51	
			<i>For Tinted Glass, Add</i>	40.21	
			<i>For Low-E Insulated Glass, Add</i>	83.78	
			<i>For Obscure Glass, Add</i>	92.16	
08 53 13 00-0193	EA		36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	504.41	77.38
			<i>For Colored Vinyl, Add</i>	34.97	
			<i>For Tinted Glass, Add</i>	41.96	
			<i>For Low-E Insulated Glass, Add</i>	87.42	
			<i>For Obscure Glass, Add</i>	96.16	
08 53 13 00-0194	EA		44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	535.45	81.73
			<i>For Colored Vinyl, Add</i>	37.20	
			<i>For Tinted Glass, Add</i>	44.64	
			<i>For Low-E Insulated Glass, Add</i>	93.00	
			<i>For Obscure Glass, Add</i>	102.30	
<b>08 53 13 00-0195</b>			<b>Replacement, Double Hung Vinyl Windows (Silver Line 8500)</b> <small>(08 53 13 00-0102)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0196	EA		Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	438.44	57.21
			<i>For Colored Vinyl, Add</i>	32.40	
			<i>For Tinted Glass, Add</i>	38.88	
			<i>For Low-E Insulated Glass, Add</i>	81.01	
			<i>For Obscure Glass, Add</i>	89.11	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0197 EA >73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500) .....	483.20	62.66
For Colored Vinyl, Add	35.79	
For Tinted Glass, Add	42.95	
For Low-E Insulated Glass, Add	89.47	
For Obscure Glass, Add	98.42	
08 53 13 00-0198 EA >83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500) .....	525.43	68.11
For Colored Vinyl, Add	38.92	
For Tinted Glass, Add	46.71	
For Low-E Insulated Glass, Add	97.30	
For Obscure Glass, Add	107.03	
08 53 13 00-0199 EA >93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500) .....	557.00	73.56
For Colored Vinyl, Add	40.99	
For Tinted Glass, Add	49.19	
For Low-E Insulated Glass, Add	102.47	
For Obscure Glass, Add	112.72	
08 53 13 00-0200 EA >101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500) .....	590.46	79.01
For Colored Vinyl, Add	43.25	
For Tinted Glass, Add	51.89	
For Low-E Insulated Glass, Add	108.11	
For Obscure Glass, Add	118.92	
08 53 13 00-0201 EA >110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500) .....	640.68	84.46
For Colored Vinyl, Add	47.18	
For Tinted Glass, Add	56.61	
For Low-E Insulated Glass, Add	117.94	
For Obscure Glass, Add	129.74	
08 53 13 00-0202 UI >120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500) .....	5.35	0.70
For Colored Vinyl, Add	0.39	
For Tinted Glass, Add	0.47	
For Low-E Insulated Glass, Add	0.98	
For Obscure Glass, Add	1.08	
<b>08 53 13 00-0203 Casement Vinyl Windows</b> <small>(08 53 13)</small>		
<b>08 53 13 00-0204 New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0203)</small>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
<b>08 53 13 00-0205 One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0204)</small>		
<b>08 53 13 00-0206 24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0205)</small>		
08 53 13 00-0207 EA 17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	325.88	41.41
For Colored Vinyl, Add	24.42	
For Tinted Glass, Add	29.30	
For Low-E Insulated Glass, Add	61.04	
For Obscure Glass, Add	67.14	
08 53 13 00-0208 EA 20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	337.40	42.50
For Colored Vinyl, Add	25.24	
For Tinted Glass, Add	30.29	
For Low-E Insulated Glass, Add	63.10	
For Obscure Glass, Add	69.41	
08 53 13 00-0209 EA 24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	350.00	44.68
For Colored Vinyl, Add	26.06	
For Tinted Glass, Add	31.28	
For Low-E Insulated Glass, Add	65.16	
For Obscure Glass, Add	71.68	
08 53 13 00-0210 EA 28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	371.68	46.86
For Colored Vinyl, Add	27.80	
For Tinted Glass, Add	33.36	
For Low-E Insulated Glass, Add	69.49	
For Obscure Glass, Add	76.44	
<b>08 53 13 00-0211 28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0205)</small>		
08 53 13 00-0212 EA 17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	345.59	43.59
For Colored Vinyl, Add	25.95	
For Tinted Glass, Add	31.14	
For Low-E Insulated Glass, Add	64.88	
For Obscure Glass, Add	71.36	
08 53 13 00-0213 EA 20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	358.04	44.68
For Colored Vinyl, Add	26.87	
For Tinted Glass, Add	32.24	
For Low-E Insulated Glass, Add	67.17	
For Obscure Glass, Add	73.89	
08 53 13 00-0214 EA 24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	371.56	46.86
For Colored Vinyl, Add	27.78	
For Tinted Glass, Add	33.34	
For Low-E Insulated Glass, Add	69.46	
For Obscure Glass, Add	76.41	

<b>08</b>	<b>08</b>	<b>Openings</b>
	<b>08 50</b>	<b>Windows</b>
	<b>08 53</b>	<b>Plastic Windows</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0215	EA		28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	394.34	49.04
			<i>For Colored Vinyl, Add</i>	29.63	
			<i>For Tinted Glass, Add</i>	35.55	
			<i>For Low-E Insulated Glass, Add</i>	74.07	
			<i>For Obscure Glass, Add</i>	81.47	
<b>08 53 13 00-0216</b>			<b>36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0205)</small>		
08 53 13 00-0217	EA		17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	369.70	46.86
			<i>For Colored Vinyl, Add</i>	27.60	
			<i>For Tinted Glass, Add</i>	33.12	
			<i>For Low-E Insulated Glass, Add</i>	69.00	
			<i>For Obscure Glass, Add</i>	75.89	
08 53 13 00-0218	EA		20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	382.60	49.04
			<i>For Colored Vinyl, Add</i>	28.56	
			<i>For Tinted Glass, Add</i>	34.27	
			<i>For Low-E Insulated Glass, Add</i>	71.41	
			<i>For Obscure Glass, Add</i>	78.55	
08 53 13 00-0219	EA		24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	396.64	50.68
			<i>For Colored Vinyl, Add</i>	29.53	
			<i>For Tinted Glass, Add</i>	35.43	
			<i>For Low-E Insulated Glass, Add</i>	73.82	
			<i>For Obscure Glass, Add</i>	81.20	
08 53 13 00-0220	EA		28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	420.32	52.85
			<i>For Colored Vinyl, Add</i>	31.46	
			<i>For Tinted Glass, Add</i>	37.75	
			<i>For Low-E Insulated Glass, Add</i>	78.65	
			<i>For Obscure Glass, Add</i>	86.52	
<b>08 53 13 00-0221</b>			<b>40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0205)</small>		
08 53 13 00-0222	EA		17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	391.06	50.12
			<i>For Colored Vinyl, Add</i>	29.19	
			<i>For Tinted Glass, Add</i>	35.03	
			<i>For Low-E Insulated Glass, Add</i>	72.97	
			<i>For Obscure Glass, Add</i>	80.27	
08 53 13 00-0223	EA		20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	404.61	51.22
			<i>For Colored Vinyl, Add</i>	30.22	
			<i>For Tinted Glass, Add</i>	36.26	
			<i>For Low-E Insulated Glass, Add</i>	75.55	
			<i>For Obscure Glass, Add</i>	83.10	
08 53 13 00-0224	EA		24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	419.27	53.40
			<i>For Colored Vinyl, Add</i>	31.25	
			<i>For Tinted Glass, Add</i>	37.50	
			<i>For Low-E Insulated Glass, Add</i>	78.12	
			<i>For Obscure Glass, Add</i>	85.93	
08 53 13 00-0225	EA		28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	444.79	55.57
			<i>For Colored Vinyl, Add</i>	33.36	
			<i>For Tinted Glass, Add</i>	40.04	
			<i>For Low-E Insulated Glass, Add</i>	83.41	
			<i>For Obscure Glass, Add</i>	91.75	
<b>08 53 13 00-0226</b>			<b>48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0205)</small>		
08 53 13 00-0227	EA		17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	415.82	54.48
			<i>For Colored Vinyl, Add</i>	30.79	
			<i>For Tinted Glass, Add</i>	36.95	
			<i>For Low-E Insulated Glass, Add</i>	76.99	
			<i>For Obscure Glass, Add</i>	84.68	
08 53 13 00-0228	EA		20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	429.95	55.57
			<i>For Colored Vinyl, Add</i>	31.88	
			<i>For Tinted Glass, Add</i>	38.26	
			<i>For Low-E Insulated Glass, Add</i>	79.70	
			<i>For Obscure Glass, Add</i>	87.67	
08 53 13 00-0229	EA		24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	445.20	57.76
			<i>For Colored Vinyl, Add</i>	32.97	
			<i>For Tinted Glass, Add</i>	39.56	
			<i>For Low-E Insulated Glass, Add</i>	82.42	
			<i>For Obscure Glass, Add</i>	90.66	
08 53 13 00-0230	EA		28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	473.11	59.93
			<i>For Colored Vinyl, Add</i>	35.32	
			<i>For Tinted Glass, Add</i>	42.39	
			<i>For Low-E Insulated Glass, Add</i>	88.31	
			<i>For Obscure Glass, Add</i>	97.14	
<b>08 53 13 00-0231</b>			<b>52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0205)</small>		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0232 EA 17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	436.16	56.67
For Colored Vinyl, Add	32.39	
For Tinted Glass, Add	38.87	
For Low-E Insulated Glass, Add	80.98	
For Obscure Glass, Add	89.08	
08 53 13 00-0233 EA 20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	451.06	57.76
For Colored Vinyl, Add	33.55	
For Tinted Glass, Add	40.26	
For Low-E Insulated Glass, Add	83.89	
For Obscure Glass, Add	92.27	
08 53 13 00-0234 EA 24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	467.00	59.93
For Colored Vinyl, Add	34.71	
For Tinted Glass, Add	41.66	
For Low-E Insulated Glass, Add	86.78	
For Obscure Glass, Add	95.46	
08 53 13 00-0235 EA 28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	495.38	62.12
For Colored Vinyl, Add	37.12	
For Tinted Glass, Add	44.54	
For Low-E Insulated Glass, Add	92.79	
For Obscure Glass, Add	102.07	
<b>08 53 13 00-0236 60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)</b>		
08 53 13 00-0237 EA 17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	459.77	59.93
For Colored Vinyl, Add	33.99	
For Tinted Glass, Add	40.79	
For Low-E Insulated Glass, Add	84.98	
For Obscure Glass, Add	93.47	
08 53 13 00-0238 EA 20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	475.39	62.12
For Colored Vinyl, Add	35.23	
For Tinted Glass, Add	42.27	
For Low-E Insulated Glass, Add	88.06	
For Obscure Glass, Add	96.87	
08 53 13 00-0239 EA 24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	492.10	63.75
For Colored Vinyl, Add	36.46	
For Tinted Glass, Add	43.75	
For Low-E Insulated Glass, Add	91.15	
For Obscure Glass, Add	100.27	
08 53 13 00-0240 EA 28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	520.92	65.93
For Colored Vinyl, Add	38.91	
For Tinted Glass, Add	46.69	
For Low-E Insulated Glass, Add	97.27	
For Obscure Glass, Add	106.99	
<b>08 53 13 00-0241 64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)</b>		
08 53 13 00-0242 EA 17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	480.82	63.21
For Colored Vinyl, Add	35.55	
For Tinted Glass, Add	42.66	
For Low-E Insulated Glass, Add	88.88	
For Obscure Glass, Add	97.76	
08 53 13 00-0243 EA 20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	496.82	64.29
For Colored Vinyl, Add	36.82	
For Tinted Glass, Add	44.19	
For Low-E Insulated Glass, Add	92.06	
For Obscure Glass, Add	101.26	
08 53 13 00-0244 EA 24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	514.55	66.47
For Colored Vinyl, Add	38.16	
For Tinted Glass, Add	45.79	
For Low-E Insulated Glass, Add	95.40	
For Obscure Glass, Add	104.94	
08 53 13 00-0245 EA 28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	542.73	68.65
For Colored Vinyl, Add	40.54	
For Tinted Glass, Add	48.65	
For Low-E Insulated Glass, Add	101.36	
For Obscure Glass, Add	111.49	
<b>08 53 13 00-0246 72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)</b>		
08 53 13 00-0247 EA 17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	506.89	66.47
For Colored Vinyl, Add	37.39	
For Tinted Glass, Add	44.87	
For Low-E Insulated Glass, Add	93.49	
For Obscure Glass, Add	102.83	
08 53 13 00-0248 EA 20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	523.68	68.65
For Colored Vinyl, Add	38.75	
For Tinted Glass, Add	46.50	
For Low-E Insulated Glass, Add	96.87	
For Obscure Glass, Add	106.55	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0249	EA		24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	540.68	70.29
			<i>For Colored Vinyl, Add</i>	40.01	
			<i>For Tinted Glass, Add</i>	48.01	
			<i>For Low-E Insulated Glass, Add</i>	100.03	
			<i>For Obscure Glass, Add</i>	110.03	
08 53 13 00-0250	EA		28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	568.53	72.47
			<i>For Colored Vinyl, Add</i>	42.36	
			<i>For Tinted Glass, Add</i>	50.83	
			<i>For Low-E Insulated Glass, Add</i>	105.90	
			<i>For Obscure Glass, Add</i>	116.49	
08 53 13 00-0251			<b>Two Operating Sashes, New Construction, Casement Vinyl Windows</b> <b>(Silver Line 7550)</b> <small>(08 53 13 00-0204)</small>		
08 53 13 00-0252			<b>36" Height, Two Operating Sashes, New Construction, Casement Vinyl</b> <b>Windows (Silver Line 7550)</b> <small>(08 53 13 00-0251)</small>		
08 53 13 00-0253	EA		33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	641.23	55.57
			<i>For Colored Vinyl, Add</i>	53.01	
			<i>For Tinted Glass, Add</i>	63.61	
			<i>For Low-E Insulated Glass, Add</i>	132.52	
			<i>For Obscure Glass, Add</i>	145.77	
08 53 13 00-0254	EA		40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	665.50	59.93
			<i>For Colored Vinyl, Add</i>	54.67	
			<i>For Tinted Glass, Add</i>	65.61	
			<i>For Low-E Insulated Glass, Add</i>	136.68	
			<i>For Obscure Glass, Add</i>	150.35	
08 53 13 00-0255	EA		48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	690.88	64.29
			<i>For Colored Vinyl, Add</i>	56.34	
			<i>For Tinted Glass, Add</i>	67.61	
			<i>For Low-E Insulated Glass, Add</i>	140.85	
			<i>For Obscure Glass, Add</i>	154.93	
08 53 13 00-0256	EA		56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	719.36	68.11
			<i>For Colored Vinyl, Add</i>	58.31	
			<i>For Tinted Glass, Add</i>	69.98	
			<i>For Low-E Insulated Glass, Add</i>	145.79	
			<i>For Obscure Glass, Add</i>	160.36	
08 53 13 00-0257			<b>40" Height, Two Operating Sashes, New Construction, Casement Vinyl</b> <b>Windows (Silver Line 7550)</b> <small>(08 53 13 00-0251)</small>		
08 53 13 00-0258	EA		33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	678.74	58.30
			<i>For Colored Vinyl, Add</i>	56.21	
			<i>For Tinted Glass, Add</i>	67.46	
			<i>For Low-E Insulated Glass, Add</i>	140.54	
			<i>For Obscure Glass, Add</i>	154.59	
08 53 13 00-0259	EA		40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	704.38	62.12
			<i>For Colored Vinyl, Add</i>	58.02	
			<i>For Tinted Glass, Add</i>	69.62	
			<i>For Low-E Insulated Glass, Add</i>	145.04	
			<i>For Obscure Glass, Add</i>	159.54	
08 53 13 00-0260	EA		48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	731.13	66.47
			<i>For Colored Vinyl, Add</i>	59.82	
			<i>For Tinted Glass, Add</i>	71.78	
			<i>For Low-E Insulated Glass, Add</i>	149.55	
			<i>For Obscure Glass, Add</i>	164.50	
08 53 13 00-0261	EA		56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	758.77	70.83
			<i>For Colored Vinyl, Add</i>	61.71	
			<i>For Tinted Glass, Add</i>	74.05	
			<i>For Low-E Insulated Glass, Add</i>	154.28	
			<i>For Obscure Glass, Add</i>	169.70	
08 53 13 00-0262			<b>48" Height, Two Operating Sashes, New Construction, Casement Vinyl</b> <b>Windows (Silver Line 7550)</b> <small>(08 53 13 00-0251)</small>		
08 53 13 00-0263	EA		33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	720.15	62.66
			<i>For Colored Vinyl, Add</i>	59.48	
			<i>For Tinted Glass, Add</i>	71.38	
			<i>For Low-E Insulated Glass, Add</i>	148.71	
			<i>For Obscure Glass, Add</i>	163.58	
08 53 13 00-0264	EA		40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	746.78	66.47
			<i>For Colored Vinyl, Add</i>	61.38	
			<i>For Tinted Glass, Add</i>	73.66	
			<i>For Low-E Insulated Glass, Add</i>	153.46	
			<i>For Obscure Glass, Add</i>	168.80	
08 53 13 00-0265	EA		48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	774.52	70.83
			<i>For Colored Vinyl, Add</i>	63.29	
			<i>For Tinted Glass, Add</i>	75.94	
			<i>For Low-E Insulated Glass, Add</i>	158.21	
			<i>For Obscure Glass, Add</i>	174.03	





<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0266 EA 56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	804.46	75.19
For Colored Vinyl, Add	65.41	
For Tinted Glass, Add	78.49	
For Low-E Insulated Glass, Add	163.52	
For Obscure Glass, Add	179.87	
<b>08 53 13 00-0267 52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)</b>		
08 53 13 00-0268 EA 33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	757.12	64.84
For Colored Vinyl, Add	62.75	
For Tinted Glass, Add	75.29	
For Low-E Insulated Glass, Add	156.86	
For Obscure Glass, Add	172.55	
08 53 13 00-0269 EA 40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	785.08	68.65
For Colored Vinyl, Add	64.78	
For Tinted Glass, Add	77.73	
For Low-E Insulated Glass, Add	161.94	
For Obscure Glass, Add	178.14	
08 53 13 00-0270 EA 48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	814.10	73.02
For Colored Vinyl, Add	66.81	
For Tinted Glass, Add	80.17	
For Low-E Insulated Glass, Add	167.02	
For Obscure Glass, Add	183.72	
08 53 13 00-0271 EA 56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	844.51	77.38
For Colored Vinyl, Add	68.98	
For Tinted Glass, Add	82.77	
For Low-E Insulated Glass, Add	172.44	
For Obscure Glass, Add	189.69	
<b>08 53 13 00-0272 60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)</b>		
08 53 13 00-0273 EA 33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	797.38	68.65
For Colored Vinyl, Add	66.01	
For Tinted Glass, Add	79.21	
For Low-E Insulated Glass, Add	165.02	
For Obscure Glass, Add	181.52	
08 53 13 00-0274 EA 40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	826.63	73.02
For Colored Vinyl, Add	68.17	
For Tinted Glass, Add	81.80	
For Low-E Insulated Glass, Add	170.43	
For Obscure Glass, Add	187.47	
08 53 13 00-0275 EA 48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	856.96	77.38
For Colored Vinyl, Add	70.33	
For Tinted Glass, Add	84.40	
For Low-E Insulated Glass, Add	175.83	
For Obscure Glass, Add	193.41	
08 53 13 00-0276 EA 56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	887.80	81.18
For Colored Vinyl, Add	72.54	
For Tinted Glass, Add	87.05	
For Low-E Insulated Glass, Add	181.36	
For Obscure Glass, Add	199.49	
<b>08 53 13 00-0277 64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)</b>		
08 53 13 00-0278 EA 33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	836.51	71.37
For Colored Vinyl, Add	69.38	
For Tinted Glass, Add	83.25	
For Low-E Insulated Glass, Add	173.44	
For Obscure Glass, Add	190.78	
08 53 13 00-0279 EA 40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	865.77	75.19
For Colored Vinyl, Add	71.54	
For Tinted Glass, Add	85.85	
For Low-E Insulated Glass, Add	178.85	
For Obscure Glass, Add	196.73	
08 53 13 00-0280 EA 48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	895.99	79.55
For Colored Vinyl, Add	73.69	
For Tinted Glass, Add	88.43	
For Low-E Insulated Glass, Add	184.22	
For Obscure Glass, Add	202.64	
08 53 13 00-0281 EA 56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	926.92	83.91
For Colored Vinyl, Add	75.91	
For Tinted Glass, Add	91.09	
For Low-E Insulated Glass, Add	189.78	
For Obscure Glass, Add	208.76	
<b>08 53 13 00-0282 72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)</b>		

**08 Openings****08 50 Windows**

08 53 Plastic Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0283	EA		33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	880.00	75.19
			<i>For Colored Vinyl, Add</i>	72.96	
			<i>For Tinted Glass, Add</i>	87.55	
			<i>For Low-E Insulated Glass, Add</i>	182.41	
			<i>For Obscure Glass, Add</i>	200.65	
08 53 13 00-0284	EA		40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	909.26	79.55
			<i>For Colored Vinyl, Add</i>	75.13	
			<i>For Tinted Glass, Add</i>	90.15	
			<i>For Low-E Insulated Glass, Add</i>	187.81	
			<i>For Obscure Glass, Add</i>	206.59	
08 53 13 00-0285	EA		48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	939.62	83.91
			<i>For Colored Vinyl, Add</i>	77.29	
			<i>For Tinted Glass, Add</i>	92.75	
			<i>For Low-E Insulated Glass, Add</i>	193.22	
			<i>For Obscure Glass, Add</i>	212.54	
08 53 13 00-0286	EA		56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	970.45	87.72
			<i>For Colored Vinyl, Add</i>	79.50	
			<i>For Tinted Glass, Add</i>	95.40	
			<i>For Low-E Insulated Glass, Add</i>	198.75	
			<i>For Obscure Glass, Add</i>	218.63	
08 53 13 00-0287			<b>Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0204)</small>		
08 53 13 00-0288			<b>36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0287)</small>		
08 53 13 00-0289	EA		62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	792.58	70.83
			<i>For Colored Vinyl, Add</i>	65.09	
			<i>For Tinted Glass, Add</i>	78.11	
			<i>For Low-E Insulated Glass, Add</i>	162.73	
			<i>For Obscure Glass, Add</i>	179.00	
08 53 13 00-0290	EA		72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	830.90	76.28
			<i>For Colored Vinyl, Add</i>	67.83	
			<i>For Tinted Glass, Add</i>	81.40	
			<i>For Low-E Insulated Glass, Add</i>	169.58	
			<i>For Obscure Glass, Add</i>	186.54	
08 53 13 00-0291	EA		86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	898.83	84.46
			<i>For Colored Vinyl, Add</i>	72.99	
			<i>For Tinted Glass, Add</i>	87.59	
			<i>For Low-E Insulated Glass, Add</i>	182.48	
			<i>For Obscure Glass, Add</i>	200.73	
08 53 13 00-0292			<b>40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0287)</small>		
08 53 13 00-0293	EA		62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	843.76	74.10
			<i>For Colored Vinyl, Add</i>	69.66	
			<i>For Tinted Glass, Add</i>	83.60	
			<i>For Low-E Insulated Glass, Add</i>	174.16	
			<i>For Obscure Glass, Add</i>	191.58	
08 53 13 00-0294	EA		72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	882.35	79.01
			<i>For Colored Vinyl, Add</i>	72.43	
			<i>For Tinted Glass, Add</i>	86.92	
			<i>For Low-E Insulated Glass, Add</i>	181.09	
			<i>For Obscure Glass, Add</i>	199.19	
08 53 13 00-0295	EA		86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	953.99	87.18
			<i>For Colored Vinyl, Add</i>	77.96	
			<i>For Tinted Glass, Add</i>	93.56	
			<i>For Low-E Insulated Glass, Add</i>	194.91	
			<i>For Obscure Glass, Add</i>	214.40	
08 53 13 00-0296			<b>48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0287)</small>		
08 53 13 00-0297	EA		62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	892.75	78.46
			<i>For Colored Vinyl, Add</i>	73.58	
			<i>For Tinted Glass, Add</i>	88.30	
			<i>For Low-E Insulated Glass, Add</i>	183.96	
			<i>For Obscure Glass, Add</i>	202.35	
08 53 13 00-0298	EA		72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	937.74	83.37
			<i>For Colored Vinyl, Add</i>	77.10	
			<i>For Tinted Glass, Add</i>	92.52	
			<i>For Low-E Insulated Glass, Add</i>	192.75	
			<i>For Obscure Glass, Add</i>	212.03	
08 53 13 00-0299	EA		86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,012.54	91.54
			<i>For Colored Vinyl, Add</i>	82.95	
			<i>For Tinted Glass, Add</i>	99.54	
			<i>For Low-E Insulated Glass, Add</i>	207.37	
			<i>For Obscure Glass, Add</i>	228.10	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 53 13 00-0300</b> <b>52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0287)</small>		
08 53 13 00-0301    EA    62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	941.27	80.64
For Colored Vinyl, Add	78.00	
For Tinted Glass, Add	93.60	
For Low-E Insulated Glass, Add	195.00	
For Obscure Glass, Add	214.50	
08 53 13 00-0302    EA    72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	989.26	86.09
For Colored Vinyl, Add	81.71	
For Tinted Glass, Add	98.05	
For Low-E Insulated Glass, Add	204.27	
For Obscure Glass, Add	224.70	
08 53 13 00-0303    EA    86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,074.07	93.72
For Colored Vinyl, Add	88.66	
For Tinted Glass, Add	106.40	
For Low-E Insulated Glass, Add	221.66	
For Obscure Glass, Add	243.83	
<b>08 53 13 00-0304</b> <b>60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0287)</small>		
08 53 13 00-0305    EA    62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	993.03	84.46
For Colored Vinyl, Add	82.41	
For Tinted Glass, Add	98.89	
For Low-E Insulated Glass, Add	206.03	
For Obscure Glass, Add	226.63	
08 53 13 00-0306    EA    72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,042.97	89.90
For Colored Vinyl, Add	86.32	
For Tinted Glass, Add	103.58	
For Low-E Insulated Glass, Add	215.79	
For Obscure Glass, Add	237.37	
08 53 13 00-0307    EA    86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,138.88	97.53
For Colored Vinyl, Add	94.38	
For Tinted Glass, Add	113.26	
For Low-E Insulated Glass, Add	235.95	
For Obscure Glass, Add	259.55	
<b>08 53 13 00-0308</b> <b>64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0287)</small>		
08 53 13 00-0309    EA    62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,048.35	87.18
For Colored Vinyl, Add	87.40	
For Tinted Glass, Add	104.88	
For Low-E Insulated Glass, Add	218.50	
For Obscure Glass, Add	240.35	
08 53 13 00-0310    EA    72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,098.26	92.62
For Colored Vinyl, Add	91.30	
For Tinted Glass, Add	109.56	
For Low-E Insulated Glass, Add	228.25	
For Obscure Glass, Add	251.08	
08 53 13 00-0311    EA    86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,194.16	100.26
For Colored Vinyl, Add	99.37	
For Tinted Glass, Add	119.24	
For Low-E Insulated Glass, Add	248.41	
For Obscure Glass, Add	273.25	
<b>08 53 13 00-0312</b> <b>72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0287)</small>		
08 53 13 00-0313    EA    62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,105.93	90.99
For Colored Vinyl, Add	92.40	
For Tinted Glass, Add	110.87	
For Low-E Insulated Glass, Add	230.99	
For Obscure Glass, Add	254.09	
08 53 13 00-0314    EA    72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,155.84	96.44
For Colored Vinyl, Add	96.30	
For Tinted Glass, Add	115.56	
For Low-E Insulated Glass, Add	240.74	
For Obscure Glass, Add	264.81	
08 53 13 00-0315    EA    86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,251.76	104.07
For Colored Vinyl, Add	104.36	
For Tinted Glass, Add	125.23	
For Low-E Insulated Glass, Add	260.91	
For Obscure Glass, Add	287.00	
<b>08 53 13 00-0316</b> <b>Replacement, Casement Vinyl Windows (Silver Line 7500)</b> <small>(08 53 13 00-0203)</small>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
<b>08 53 13 00-0317</b> <b>One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500)</b> <small>(08 53 13 00-0316)</small>		

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0318	EA		Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	415.25	46.32
			<i>For Colored Vinyl, Add</i>	32.26	
			<i>For Tinted Glass, Add</i>	38.72	
			<i>For Low-E Insulated Glass, Add</i>	80.66	
			<i>For Obscure Glass, Add</i>	88.72	
08 53 13 00-0319	EA		>53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	471.04	51.77
			<i>For Colored Vinyl, Add</i>	36.75	
			<i>For Tinted Glass, Add</i>	44.10	
			<i>For Low-E Insulated Glass, Add</i>	91.88	
			<i>For Obscure Glass, Add</i>	101.07	
08 53 13 00-0320	EA		>63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	521.76	57.21
			<i>For Colored Vinyl, Add</i>	40.73	
			<i>For Tinted Glass, Add</i>	48.88	
			<i>For Low-E Insulated Glass, Add</i>	101.84	
			<i>For Obscure Glass, Add</i>	112.02	
08 53 13 00-0321	EA		>73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	567.41	62.66
			<i>For Colored Vinyl, Add</i>	44.21	
			<i>For Tinted Glass, Add</i>	53.05	
			<i>For Low-E Insulated Glass, Add</i>	110.52	
			<i>For Obscure Glass, Add</i>	121.57	
08 53 13 00-0322	EA		>83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	607.99	68.11
			<i>For Colored Vinyl, Add</i>	47.18	
			<i>For Tinted Glass, Add</i>	56.61	
			<i>For Low-E Insulated Glass, Add</i>	117.94	
			<i>For Obscure Glass, Add</i>	129.74	
08 53 13 00-0323	EA		>93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	633.85	73.56
			<i>For Colored Vinyl, Add</i>	48.67	
			<i>For Tinted Glass, Add</i>	58.41	
			<i>For Low-E Insulated Glass, Add</i>	121.68	
			<i>For Obscure Glass, Add</i>	133.85	
08 53 13 00-0324	UI		>101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	6.24	0.70
			<i>For Colored Vinyl, Add</i>	0.48	
			<i>For Tinted Glass, Add</i>	0.58	
			<i>For Low-E Insulated Glass, Add</i>	1.21	
			<i>For Obscure Glass, Add</i>	1.33	
<b>08 53 13 00-0325 Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)</b>					
08 53 13 00-0326	EA		Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	679.14	57.21
			<i>For Colored Vinyl, Add</i>	56.47	
			<i>For Tinted Glass, Add</i>	67.77	
			<i>For Low-E Insulated Glass, Add</i>	141.18	
			<i>For Obscure Glass, Add</i>	155.30	
08 53 13 00-0327	EA		>73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	746.35	62.66
			<i>For Colored Vinyl, Add</i>	62.10	
			<i>For Tinted Glass, Add</i>	74.52	
			<i>For Low-E Insulated Glass, Add</i>	155.26	
			<i>For Obscure Glass, Add</i>	170.78	
08 53 13 00-0328	EA		>83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	808.49	68.11
			<i>For Colored Vinyl, Add</i>	67.23	
			<i>For Tinted Glass, Add</i>	80.67	
			<i>For Low-E Insulated Glass, Add</i>	168.07	
			<i>For Obscure Glass, Add</i>	184.87	
08 53 13 00-0329	EA		>93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	851.60	73.56
			<i>For Colored Vinyl, Add</i>	70.45	
			<i>For Tinted Glass, Add</i>	84.54	
			<i>For Low-E Insulated Glass, Add</i>	176.12	
			<i>For Obscure Glass, Add</i>	193.73	
08 53 13 00-0330	EA		>101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	897.36	79.01
			<i>For Colored Vinyl, Add</i>	73.94	
			<i>For Tinted Glass, Add</i>	88.72	
			<i>For Low-E Insulated Glass, Add</i>	184.84	
			<i>For Obscure Glass, Add</i>	203.32	
08 53 13 00-0331	EA		>110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	945.04	84.46
			<i>For Colored Vinyl, Add</i>	77.61	
			<i>For Tinted Glass, Add</i>	93.14	
			<i>For Low-E Insulated Glass, Add</i>	194.03	
			<i>For Obscure Glass, Add</i>	213.44	
08 53 13 00-0332	UI		>120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	7.89	0.70
			<i>For Colored Vinyl, Add</i>	0.65	
			<i>For Tinted Glass, Add</i>	0.78	
			<i>For Low-E Insulated Glass, Add</i>	1.62	
			<i>For Obscure Glass, Add</i>	1.78	
<b>08 53 13 00-0333 Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)</b>					
08 53 13 00-0334	EA		Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	706.92	57.21
			<i>For Colored Vinyl, Add</i>	59.25	
			<i>For Tinted Glass, Add</i>	71.10	
			<i>For Low-E Insulated Glass, Add</i>	148.13	
			<i>For Obscure Glass, Add</i>	162.94	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0335 EA >73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	777.17	62.66
For Colored Vinyl, Add	65.19	
For Tinted Glass, Add	78.22	
For Low-E Insulated Glass, Add	162.96	
For Obscure Glass, Add	179.26	
08 53 13 00-0336 EA >83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	843.87	68.11
For Colored Vinyl, Add	70.77	
For Tinted Glass, Add	84.92	
For Low-E Insulated Glass, Add	176.91	
For Obscure Glass, Add	194.60	
08 53 13 00-0337 EA >93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	890.03	73.56
For Colored Vinyl, Add	74.29	
For Tinted Glass, Add	89.15	
For Low-E Insulated Glass, Add	185.73	
For Obscure Glass, Add	204.30	
08 53 13 00-0338 EA >101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	939.21	79.01
For Colored Vinyl, Add	78.12	
For Tinted Glass, Add	93.74	
For Low-E Insulated Glass, Add	195.30	
For Obscure Glass, Add	214.83	
08 53 13 00-0339 EA >110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	990.70	84.46
For Colored Vinyl, Add	82.18	
For Tinted Glass, Add	98.61	
For Low-E Insulated Glass, Add	205.45	
For Obscure Glass, Add	225.99	
08 53 13 00-0340 UI >120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	8.27	0.70
For Colored Vinyl, Add	0.69	
For Tinted Glass, Add	0.82	
For Low-E Insulated Glass, Add	1.71	
For Obscure Glass, Add	1.88	
<b>08 53 13 00-0341 Awning Vinyl Windows (08 53 13)</b>		
<b>08 53 13 00-0342 New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0341)</b>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
<b>08 53 13 00-0343 Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0342)</b>		
<b>08 53 13 00-0344 17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)</b>		
08 53 13 00-0345 EA 24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	416.98	44.68
For Colored Vinyl, Add	32.76	
For Tinted Glass, Add	39.31	
For Low-E Insulated Glass, Add	81.91	
For Obscure Glass, Add	90.10	
08 53 13 00-0346 EA 28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	436.56	46.86
For Colored Vinyl, Add	34.28	
For Tinted Glass, Add	41.14	
For Low-E Insulated Glass, Add	85.71	
For Obscure Glass, Add	94.28	
08 53 13 00-0347 EA 36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	467.02	50.68
For Colored Vinyl, Add	36.57	
For Tinted Glass, Add	43.88	
For Low-E Insulated Glass, Add	91.42	
For Obscure Glass, Add	100.56	
08 53 13 00-0348 EA 40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	486.82	53.40
For Colored Vinyl, Add	38.00	
For Tinted Glass, Add	45.60	
For Low-E Insulated Glass, Add	95.01	
For Obscure Glass, Add	104.51	
08 53 13 00-0349 EA 48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	519.24	57.76
For Colored Vinyl, Add	40.37	
For Tinted Glass, Add	48.45	
For Low-E Insulated Glass, Add	100.93	
For Obscure Glass, Add	111.02	
<b>08 53 13 00-0350 20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)</b>		
08 53 13 00-0351 EA 24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	439.27	46.86
For Colored Vinyl, Add	34.67	
For Tinted Glass, Add	41.60	
For Low-E Insulated Glass, Add	86.66	
For Obscure Glass, Add	95.33	
08 53 13 00-0352 EA 28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	458.85	49.04
For Colored Vinyl, Add	36.19	
For Tinted Glass, Add	43.42	
For Low-E Insulated Glass, Add	90.47	
For Obscure Glass, Add	99.51	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0353	EA		36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	491.42	52.31
			<i>For Colored Vinyl, Add</i>	38.68	
			<i>For Tinted Glass, Add</i>	46.42	
			<i>For Low-E Insulated Glass, Add</i>	96.70	
			<i>For Obscure Glass, Add</i>	106.37	
08 53 13 00-0354	EA		40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	511.25	55.57
			<i>For Colored Vinyl, Add</i>	40.12	
			<i>For Tinted Glass, Add</i>	48.14	
			<i>For Low-E Insulated Glass, Add</i>	100.30	
			<i>For Obscure Glass, Add</i>	110.32	
08 53 13 00-0355	EA		48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	545.73	59.39
			<i>For Colored Vinyl, Add</i>	42.70	
			<i>For Tinted Glass, Add</i>	51.23	
			<i>For Low-E Insulated Glass, Add</i>	106.74	
			<i>For Obscure Glass, Add</i>	117.41	
<b>08 53 13 00-0356</b>			<b>24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> <small>(08 53 13 00-0343)</small>		
08 53 13 00-0357	EA		24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	454.18	49.04
			<i>For Colored Vinyl, Add</i>	35.72	
			<i>For Tinted Glass, Add</i>	42.86	
			<i>For Low-E Insulated Glass, Add</i>	89.30	
			<i>For Obscure Glass, Add</i>	98.23	
08 53 13 00-0358	EA		28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	473.77	51.22
			<i>For Colored Vinyl, Add</i>	37.24	
			<i>For Tinted Glass, Add</i>	44.69	
			<i>For Low-E Insulated Glass, Add</i>	93.11	
			<i>For Obscure Glass, Add</i>	102.42	
08 53 13 00-0359	EA		36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	507.38	54.48
			<i>For Colored Vinyl, Add</i>	39.84	
			<i>For Tinted Glass, Add</i>	47.81	
			<i>For Low-E Insulated Glass, Add</i>	99.60	
			<i>For Obscure Glass, Add</i>	109.56	
08 53 13 00-0360	EA		40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	528.92	57.76
			<i>For Colored Vinyl, Add</i>	41.45	
			<i>For Tinted Glass, Add</i>	49.74	
			<i>For Low-E Insulated Glass, Add</i>	103.63	
			<i>For Obscure Glass, Add</i>	113.99	
08 53 13 00-0361	EA		48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	563.84	61.57
			<i>For Colored Vinyl, Add</i>	44.07	
			<i>For Tinted Glass, Add</i>	52.88	
			<i>For Low-E Insulated Glass, Add</i>	110.18	
			<i>For Obscure Glass, Add</i>	121.19	
<b>08 53 13 00-0362</b>			<b>28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> <small>(08 53 13 00-0343)</small>		
08 53 13 00-0363	EA		24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	469.13	51.22
			<i>For Colored Vinyl, Add</i>	36.78	
			<i>For Tinted Glass, Add</i>	44.13	
			<i>For Low-E Insulated Glass, Add</i>	91.95	
			<i>For Obscure Glass, Add</i>	101.14	
08 53 13 00-0364	EA		28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	488.70	53.40
			<i>For Colored Vinyl, Add</i>	38.30	
			<i>For Tinted Glass, Add</i>	45.96	
			<i>For Low-E Insulated Glass, Add</i>	95.75	
			<i>For Obscure Glass, Add</i>	105.32	
08 53 13 00-0365	EA		36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	523.39	56.67
			<i>For Colored Vinyl, Add</i>	41.01	
			<i>For Tinted Glass, Add</i>	49.21	
			<i>For Low-E Insulated Glass, Add</i>	102.52	
			<i>For Obscure Glass, Add</i>	112.77	
08 53 13 00-0366	EA		40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	546.49	59.93
			<i>For Colored Vinyl, Add</i>	42.77	
			<i>For Tinted Glass, Add</i>	51.33	
			<i>For Low-E Insulated Glass, Add</i>	106.93	
			<i>For Obscure Glass, Add</i>	117.62	
08 53 13 00-0367	EA		48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	581.94	63.75
			<i>For Colored Vinyl, Add</i>	45.44	
			<i>For Tinted Glass, Add</i>	54.53	
			<i>For Low-E Insulated Glass, Add</i>	113.61	
			<i>For Obscure Glass, Add</i>	124.97	
<b>08 53 13 00-0368</b>			<b>36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> <small>(08 53 13 00-0343)</small>		
08 53 13 00-0369	EA		36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	554.25	60.48
			<i>For Colored Vinyl, Add</i>	43.33	
			<i>For Tinted Glass, Add</i>	51.99	
			<i>For Low-E Insulated Glass, Add</i>	108.32	
			<i>For Obscure Glass, Add</i>	119.15	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0370 EA 40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	577.38	63.21
For Colored Vinyl, Add	45.10	
For Tinted Glass, Add	54.12	
For Low-E Insulated Glass, Add	112.74	
For Obscure Glass, Add	124.02	
08 53 13 00-0371 EA 48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	614.93	67.57
For Colored Vinyl, Add	47.98	
For Tinted Glass, Add	57.58	
For Low-E Insulated Glass, Add	119.95	
For Obscure Glass, Add	131.95	
<b>08 53 13 00-0372 Replacement, Awning Vinyl Windows (Silver Line 7400) (08 53 13 00-0341)</b>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0373 EA Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	435.41	46.32
For Colored Vinyl, Add	34.28	
For Tinted Glass, Add	41.13	
For Low-E Insulated Glass, Add	85.70	
For Obscure Glass, Add	94.27	
08 53 13 00-0374 EA >53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	503.00	51.77
For Colored Vinyl, Add	39.95	
For Tinted Glass, Add	47.94	
For Low-E Insulated Glass, Add	99.87	
For Obscure Glass, Add	109.86	
08 53 13 00-0375 EA >63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	568.05	57.21
For Colored Vinyl, Add	45.36	
For Tinted Glass, Add	54.44	
For Low-E Insulated Glass, Add	113.41	
For Obscure Glass, Add	124.75	
08 53 13 00-0376 EA >73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	630.57	62.66
For Colored Vinyl, Add	50.53	
For Tinted Glass, Add	60.63	
For Low-E Insulated Glass, Add	126.31	
For Obscure Glass, Add	138.94	
08 53 13 00-0377 EA >83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	690.55	68.11
For Colored Vinyl, Add	55.43	
For Tinted Glass, Add	66.52	
For Low-E Insulated Glass, Add	138.58	
For Obscure Glass, Add	152.44	
08 53 13 00-0378 EA >93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	723.51	73.56
For Colored Vinyl, Add	57.64	
For Tinted Glass, Add	69.17	
For Low-E Insulated Glass, Add	144.10	
For Obscure Glass, Add	158.51	
08 53 13 00-0379 UI >101" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	7.13	0.70
For Colored Vinyl, Add	0.57	
For Tinted Glass, Add	0.69	
For Low-E Insulated Glass, Add	1.43	
For Obscure Glass, Add	1.57	
<b>08 53 13 00-0380 Horizontal Sliding Vinyl Windows (08 53 13)</b>		
<b>08 53 13 00-0381 New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0380)</b>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
<b>08 53 13 00-0382 20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)</b>		
08 53 13 00-0383 EA 36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	258.83	53.40
For Colored Vinyl, Add	15.31	
For Tinted Glass, Add	18.37	
For Low-E Insulated Glass, Add	38.28	
For Obscure Glass, Add	42.11	
08 53 13 00-0384 EA 48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	286.92	59.93
For Colored Vinyl, Add	16.81	
For Tinted Glass, Add	20.18	
For Low-E Insulated Glass, Add	42.04	
For Obscure Glass, Add	46.24	
08 53 13 00-0385 EA 54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	300.96	62.66
For Colored Vinyl, Add	17.56	
For Tinted Glass, Add	21.08	
For Low-E Insulated Glass, Add	43.91	
For Obscure Glass, Add	48.30	
08 53 13 00-0386 EA 60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	315.01	65.93
For Colored Vinyl, Add	18.32	
For Tinted Glass, Add	21.98	
For Low-E Insulated Glass, Add	45.79	
For Obscure Glass, Add	50.37	
08 53 13 00-0387 EA 64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	324.37	68.65
For Colored Vinyl, Add	18.82	
For Tinted Glass, Add	22.58	
For Low-E Insulated Glass, Add	47.04	
For Obscure Glass, Add	51.74	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0388 EA 72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	343.10	72.47
For Colored Vinyl, Add	19.82	
For Tinted Glass, Add	23.78	
For Low-E Insulated Glass, Add	49.54	
For Obscure Glass, Add	54.50	
<b>08 53 13 00-0389 24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)</b>		
08 53 13 00-0390 EA 36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	271.64	55.57
For Colored Vinyl, Add	16.16	
For Tinted Glass, Add	19.39	
For Low-E Insulated Glass, Add	40.39	
For Obscure Glass, Add	44.43	
08 53 13 00-0391 EA 48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	300.41	62.12
For Colored Vinyl, Add	17.73	
For Tinted Glass, Add	21.27	
For Low-E Insulated Glass, Add	44.32	
For Obscure Glass, Add	48.75	
08 53 13 00-0392 EA 54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	314.88	64.84
For Colored Vinyl, Add	18.52	
For Tinted Glass, Add	22.23	
For Low-E Insulated Glass, Add	46.30	
For Obscure Glass, Add	50.93	
08 53 13 00-0393 EA 60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	329.21	68.11
For Colored Vinyl, Add	19.30	
For Tinted Glass, Add	23.16	
For Low-E Insulated Glass, Add	48.25	
For Obscure Glass, Add	53.07	
08 53 13 00-0394 EA 64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	338.79	70.83
For Colored Vinyl, Add	19.82	
For Tinted Glass, Add	23.79	
For Low-E Insulated Glass, Add	49.56	
For Obscure Glass, Add	54.51	
08 53 13 00-0395 EA 72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	357.98	74.65
For Colored Vinyl, Add	20.87	
For Tinted Glass, Add	25.04	
For Low-E Insulated Glass, Add	52.17	
For Obscure Glass, Add	57.39	
<b>08 53 13 00-0396 36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)</b>		
08 53 13 00-0397 EA 36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	310.27	62.12
For Colored Vinyl, Add	18.71	
For Tinted Glass, Add	22.46	
For Low-E Insulated Glass, Add	46.78	
For Obscure Glass, Add	51.46	
08 53 13 00-0398 EA 48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	341.26	68.65
For Colored Vinyl, Add	20.50	
For Tinted Glass, Add	24.60	
For Low-E Insulated Glass, Add	51.26	
For Obscure Glass, Add	56.39	
08 53 13 00-0399 EA 54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	356.78	71.37
For Colored Vinyl, Add	21.40	
For Tinted Glass, Add	25.68	
For Low-E Insulated Glass, Add	53.51	
For Obscure Glass, Add	58.86	
08 53 13 00-0400 EA 60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	372.26	74.65
For Colored Vinyl, Add	22.30	
For Tinted Glass, Add	26.76	
For Low-E Insulated Glass, Add	55.74	
For Obscure Glass, Add	61.32	
08 53 13 00-0401 EA 64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	382.61	76.28
For Colored Vinyl, Add	22.90	
For Tinted Glass, Add	27.48	
For Low-E Insulated Glass, Add	57.24	
For Obscure Glass, Add	62.96	
08 53 13 00-0402 EA 72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	403.28	81.18
For Colored Vinyl, Add	24.09	
For Tinted Glass, Add	28.91	
For Low-E Insulated Glass, Add	60.23	
For Obscure Glass, Add	66.25	
<b>08 53 13 00-0403 42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)</b>		
08 53 13 00-0404 EA 36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	329.59	65.38
For Colored Vinyl, Add	19.99	
For Tinted Glass, Add	23.99	
For Low-E Insulated Glass, Add	49.98	
For Obscure Glass, Add	54.98	





<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0405	EA		48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	361.70	71.92
			For Colored Vinyl, Add	21.89	
			For Tinted Glass, Add	26.27	
			For Low-E Insulated Glass, Add	54.74	
			For Obscure Glass, Add	60.21	
08 53 13 00-0406	EA		54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	377.77	74.65
			For Colored Vinyl, Add	22.85	
			For Tinted Glass, Add	27.42	
			For Low-E Insulated Glass, Add	57.12	
			For Obscure Glass, Add	62.83	
08 53 13 00-0407	EA		60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	393.82	77.92
			For Colored Vinyl, Add	23.80	
			For Tinted Glass, Add	28.56	
			For Low-E Insulated Glass, Add	59.50	
			For Obscure Glass, Add	65.45	
08 53 13 00-0408	EA		64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	404.49	80.64
			For Colored Vinyl, Add	24.43	
			For Tinted Glass, Add	29.32	
			For Low-E Insulated Glass, Add	61.08	
			For Obscure Glass, Add	67.18	
08 53 13 00-0409	EA		72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	425.92	84.46
			For Colored Vinyl, Add	25.70	
			For Tinted Glass, Add	30.84	
			For Low-E Insulated Glass, Add	64.25	
			For Obscure Glass, Add	70.68	
<b>08 53 13 00-0410</b>			<b>44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> (08 53 13 00-0381)		
08 53 13 00-0411	EA		36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	336.04	66.47
			For Colored Vinyl, Add	20.42	
			For Tinted Glass, Add	24.50	
			For Low-E Insulated Glass, Add	51.05	
			For Obscure Glass, Add	56.15	
08 53 13 00-0412	EA		48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	368.51	73.02
			For Colored Vinyl, Add	22.36	
			For Tinted Glass, Add	26.83	
			For Low-E Insulated Glass, Add	55.90	
			For Obscure Glass, Add	61.48	
08 53 13 00-0413	EA		54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	384.74	75.73
			For Colored Vinyl, Add	23.33	
			For Tinted Glass, Add	27.99	
			For Low-E Insulated Glass, Add	58.32	
			For Obscure Glass, Add	64.15	
08 53 13 00-0414	EA		60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	401.00	79.01
			For Colored Vinyl, Add	24.30	
			For Tinted Glass, Add	29.16	
			For Low-E Insulated Glass, Add	60.75	
			For Obscure Glass, Add	66.82	
08 53 13 00-0415	EA		64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	411.82	81.73
			For Colored Vinyl, Add	24.95	
			For Tinted Glass, Add	29.93	
			For Low-E Insulated Glass, Add	62.36	
			For Obscure Glass, Add	68.60	
08 53 13 00-0416	EA		72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	433.45	85.54
			For Colored Vinyl, Add	26.24	
			For Tinted Glass, Add	31.48	
			For Low-E Insulated Glass, Add	65.59	
			For Obscure Glass, Add	72.15	
<b>08 53 13 00-0417</b>			<b>46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> (08 53 13 00-0381)		
08 53 13 00-0418	EA		36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	342.48	67.57
			For Colored Vinyl, Add	20.84	
			For Tinted Glass, Add	25.01	
			For Low-E Insulated Glass, Add	52.11	
			For Obscure Glass, Add	57.32	
08 53 13 00-0419	EA		48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	375.32	74.10
			For Colored Vinyl, Add	22.82	
			For Tinted Glass, Add	27.38	
			For Low-E Insulated Glass, Add	57.05	
			For Obscure Glass, Add	62.76	
08 53 13 00-0420	EA		54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	391.74	76.82
			For Colored Vinyl, Add	23.81	
			For Tinted Glass, Add	28.57	
			For Low-E Insulated Glass, Add	59.52	
			For Obscure Glass, Add	65.47	
08 53 13 00-0421	EA		60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	408.15	80.10
			For Colored Vinyl, Add	24.80	
			For Tinted Glass, Add	29.76	
			For Low-E Insulated Glass, Add	61.99	
			For Obscure Glass, Add	68.19	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0422	EA		64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	419.10	82.82
			<i>For Colored Vinyl, Add</i>	25.46	
			<i>For Tinted Glass, Add</i>	30.55	
			<i>For Low-E Insulated Glass, Add</i>	63.64	
			<i>For Obscure Glass, Add</i>	70.00	
08 53 13 00-0423	EA		72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	441.00	86.63
			<i>For Colored Vinyl, Add</i>	26.77	
			<i>For Tinted Glass, Add</i>	32.13	
			<i>For Low-E Insulated Glass, Add</i>	66.94	
			<i>For Obscure Glass, Add</i>	73.63	
<b>08 53 13 00-0424</b>			<b>48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0425	EA		36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	348.92	68.65
			<i>For Colored Vinyl, Add</i>	21.27	
			<i>For Tinted Glass, Add</i>	25.52	
			<i>For Low-E Insulated Glass, Add</i>	53.18	
			<i>For Obscure Glass, Add</i>	58.49	
08 53 13 00-0426	EA		48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	382.13	75.19
			<i>For Colored Vinyl, Add</i>	23.28	
			<i>For Tinted Glass, Add</i>	27.94	
			<i>For Low-E Insulated Glass, Add</i>	58.21	
			<i>For Obscure Glass, Add</i>	64.03	
08 53 13 00-0427	EA		54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	398.74	77.92
			<i>For Colored Vinyl, Add</i>	24.29	
			<i>For Tinted Glass, Add</i>	29.15	
			<i>For Low-E Insulated Glass, Add</i>	60.73	
			<i>For Obscure Glass, Add</i>	66.80	
08 53 13 00-0428	EA		60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	415.32	81.18
			<i>For Colored Vinyl, Add</i>	25.30	
			<i>For Tinted Glass, Add</i>	30.35	
			<i>For Low-E Insulated Glass, Add</i>	63.24	
			<i>For Obscure Glass, Add</i>	69.56	
08 53 13 00-0429	EA		64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	426.40	83.91
			<i>For Colored Vinyl, Add</i>	25.97	
			<i>For Tinted Glass, Add</i>	31.16	
			<i>For Low-E Insulated Glass, Add</i>	64.92	
			<i>For Obscure Glass, Add</i>	71.41	
08 53 13 00-0430	EA		72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	448.57	87.72
			<i>For Colored Vinyl, Add</i>	27.31	
			<i>For Tinted Glass, Add</i>	32.77	
			<i>For Low-E Insulated Glass, Add</i>	68.28	
			<i>For Obscure Glass, Add</i>	75.11	
<b>08 53 13 00-0431</b>			<b>50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0432	EA		36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	355.36	69.74
			<i>For Colored Vinyl, Add</i>	21.70	
			<i>For Tinted Glass, Add</i>	26.04	
			<i>For Low-E Insulated Glass, Add</i>	54.24	
			<i>For Obscure Glass, Add</i>	59.66	
08 53 13 00-0433	EA		48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	388.93	76.28
			<i>For Colored Vinyl, Add</i>	23.75	
			<i>For Tinted Glass, Add</i>	28.50	
			<i>For Low-E Insulated Glass, Add</i>	59.37	
			<i>For Obscure Glass, Add</i>	65.30	
08 53 13 00-0434	EA		54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	405.71	79.01
			<i>For Colored Vinyl, Add</i>	24.77	
			<i>For Tinted Glass, Add</i>	29.72	
			<i>For Low-E Insulated Glass, Add</i>	61.93	
			<i>For Obscure Glass, Add</i>	68.12	
08 53 13 00-0435	EA		60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	422.50	82.27
			<i>For Colored Vinyl, Add</i>	25.80	
			<i>For Tinted Glass, Add</i>	30.95	
			<i>For Low-E Insulated Glass, Add</i>	64.49	
			<i>For Obscure Glass, Add</i>	70.94	
08 53 13 00-0436	EA		64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	433.71	85.00
			<i>For Colored Vinyl, Add</i>	26.48	
			<i>For Tinted Glass, Add</i>	31.78	
			<i>For Low-E Insulated Glass, Add</i>	66.20	
			<i>For Obscure Glass, Add</i>	72.82	
08 53 13 00-0437	EA		72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	456.09	88.82
			<i>For Colored Vinyl, Add</i>	27.85	
			<i>For Tinted Glass, Add</i>	33.42	
			<i>For Low-E Insulated Glass, Add</i>	69.62	
			<i>For Obscure Glass, Add</i>	76.58	
<b>08 53 13 00-0438</b>			<b>52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0439	EA		36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	361.79	70.83
			<i>For Colored Vinyl, Add</i>	22.12	
			<i>For Tinted Glass, Add</i>	26.55	
			<i>For Low-E Insulated Glass, Add</i>	55.31	
			<i>For Obscure Glass, Add</i>	60.84	
08 53 13 00-0440	EA		48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	395.75	77.38
			<i>For Colored Vinyl, Add</i>	24.21	
			<i>For Tinted Glass, Add</i>	29.05	
			<i>For Low-E Insulated Glass, Add</i>	60.53	
			<i>For Obscure Glass, Add</i>	66.58	
08 53 13 00-0441	EA		54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	412.71	80.10
			<i>For Colored Vinyl, Add</i>	25.25	
			<i>For Tinted Glass, Add</i>	30.30	
			<i>For Low-E Insulated Glass, Add</i>	63.13	
			<i>For Obscure Glass, Add</i>	69.44	
08 53 13 00-0442	EA		60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	429.70	83.37
			<i>For Colored Vinyl, Add</i>	26.30	
			<i>For Tinted Glass, Add</i>	31.56	
			<i>For Low-E Insulated Glass, Add</i>	65.74	
			<i>For Obscure Glass, Add</i>	72.32	
08 53 13 00-0443	EA		64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	441.01	86.09
			<i>For Colored Vinyl, Add</i>	26.99	
			<i>For Tinted Glass, Add</i>	32.39	
			<i>For Low-E Insulated Glass, Add</i>	67.48	
			<i>For Obscure Glass, Add</i>	74.23	
08 53 13 00-0444	EA		72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	463.66	89.90
			<i>For Colored Vinyl, Add</i>	28.39	
			<i>For Tinted Glass, Add</i>	34.06	
			<i>For Low-E Insulated Glass, Add</i>	70.96	
			<i>For Obscure Glass, Add</i>	78.06	
<b>08 53 13 00-0445</b>			<b>54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0446	EA		36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	368.24	71.92
			<i>For Colored Vinyl, Add</i>	22.55	
			<i>For Tinted Glass, Add</i>	27.06	
			<i>For Low-E Insulated Glass, Add</i>	56.37	
			<i>For Obscure Glass, Add</i>	62.01	
08 53 13 00-0447	EA		48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	402.54	78.46
			<i>For Colored Vinyl, Add</i>	24.67	
			<i>For Tinted Glass, Add</i>	29.61	
			<i>For Low-E Insulated Glass, Add</i>	61.68	
			<i>For Obscure Glass, Add</i>	67.85	
08 53 13 00-0448	EA		54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	419.71	81.18
			<i>For Colored Vinyl, Add</i>	25.73	
			<i>For Tinted Glass, Add</i>	30.88	
			<i>For Low-E Insulated Glass, Add</i>	64.34	
			<i>For Obscure Glass, Add</i>	70.77	
08 53 13 00-0449	EA		60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	436.88	84.46
			<i>For Colored Vinyl, Add</i>	26.80	
			<i>For Tinted Glass, Add</i>	32.16	
			<i>For Low-E Insulated Glass, Add</i>	66.99	
			<i>For Obscure Glass, Add</i>	73.69	
08 53 13 00-0450	EA		64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	448.30	87.18
			<i>For Colored Vinyl, Add</i>	27.50	
			<i>For Tinted Glass, Add</i>	33.00	
			<i>For Low-E Insulated Glass, Add</i>	68.76	
			<i>For Obscure Glass, Add</i>	75.64	
08 53 13 00-0451	EA		72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	471.18	90.99
			<i>For Colored Vinyl, Add</i>	28.92	
			<i>For Tinted Glass, Add</i>	34.70	
			<i>For Low-E Insulated Glass, Add</i>	72.30	
			<i>For Obscure Glass, Add</i>	79.53	
<b>08 53 13 00-0452</b>			<b>60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0453	EA		36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	398.79	75.19
			<i>For Colored Vinyl, Add</i>	24.95	
			<i>For Tinted Glass, Add</i>	29.94	
			<i>For Low-E Insulated Glass, Add</i>	62.38	
			<i>For Obscure Glass, Add</i>	68.61	
08 53 13 00-0454	EA		48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	422.98	81.73
			<i>For Colored Vinyl, Add</i>	26.06	
			<i>For Tinted Glass, Add</i>	31.27	
			<i>For Low-E Insulated Glass, Add</i>	65.15	
			<i>For Obscure Glass, Add</i>	71.67	
08 53 13 00-0455	EA		54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	440.71	84.46
			<i>For Colored Vinyl, Add</i>	27.18	
			<i>For Tinted Glass, Add</i>	32.62	
			<i>For Low-E Insulated Glass, Add</i>	67.95	
			<i>For Obscure Glass, Add</i>	74.75	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0456	EA		60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	458.41	87.72
			<i>For Colored Vinyl, Add</i>	28.30	
			<i>For Tinted Glass, Add</i>	33.96	
			<i>For Low-E Insulated Glass, Add</i>	70.74	
			<i>For Obscure Glass, Add</i>	77.81	
08 53 13 00-0457	EA		64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	470.23	90.45
			<i>For Colored Vinyl, Add</i>	29.04	
			<i>For Tinted Glass, Add</i>	34.85	
			<i>For Low-E Insulated Glass, Add</i>	72.61	
			<i>For Obscure Glass, Add</i>	79.87	
08 53 13 00-0458	EA		72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	493.82	94.26
			<i>For Colored Vinyl, Add</i>	30.53	
			<i>For Tinted Glass, Add</i>	36.64	
			<i>For Low-E Insulated Glass, Add</i>	76.33	
			<i>For Obscure Glass, Add</i>	83.96	
<b>08 53 13 00-0459</b>			<b>Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700)</b> <small>(08 53 13 00-0390)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0460	EA		Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	401.41	57.21
			<i>For Colored Vinyl, Add</i>	28.70	
			<i>For Tinted Glass, Add</i>	34.44	
			<i>For Low-E Insulated Glass, Add</i>	71.75	
			<i>For Obscure Glass, Add</i>	78.92	
08 53 13 00-0461	EA		>73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	441.10	62.66
			<i>For Colored Vinyl, Add</i>	31.58	
			<i>For Tinted Glass, Add</i>	37.89	
			<i>For Low-E Insulated Glass, Add</i>	78.95	
			<i>For Obscure Glass, Add</i>	86.84	
08 53 13 00-0462	EA		>83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	478.25	68.11
			<i>For Colored Vinyl, Add</i>	34.20	
			<i>For Tinted Glass, Add</i>	41.04	
			<i>For Low-E Insulated Glass, Add</i>	85.51	
			<i>For Obscure Glass, Add</i>	94.06	
08 53 13 00-0463	EA		>93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	505.76	73.56
			<i>For Colored Vinyl, Add</i>	35.86	
			<i>For Tinted Glass, Add</i>	43.04	
			<i>For Low-E Insulated Glass, Add</i>	89.66	
			<i>For Obscure Glass, Add</i>	98.63	
08 53 13 00-0464	EA		>101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	534.66	79.01
			<i>For Colored Vinyl, Add</i>	37.67	
			<i>For Tinted Glass, Add</i>	45.20	
			<i>For Low-E Insulated Glass, Add</i>	94.16	
			<i>For Obscure Glass, Add</i>	103.58	
08 53 13 00-0465	EA		>110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	579.80	84.46
			<i>For Colored Vinyl, Add</i>	41.09	
			<i>For Tinted Glass, Add</i>	49.31	
			<i>For Low-E Insulated Glass, Add</i>	102.72	
			<i>For Obscure Glass, Add</i>	112.99	
08 53 13 00-0466	UI		>120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	4.84	0.70
			<i>For Colored Vinyl, Add</i>	0.34	
			<i>For Tinted Glass, Add</i>	0.41	
			<i>For Low-E Insulated Glass, Add</i>	0.86	
			<i>For Obscure Glass, Add</i>	0.94	
<b>08 53 13 00-0467</b>			<b>Basement Vinyl Windows</b> <small>(08 53 13)</small>		
<b>08 53 13 00-0468</b>			<b>New Construction, Basement Vinyl Windows (Silver Line 5900)</b> <small>(08 53 13 00-0467)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0469	EA		32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900).....	239.36	43.59
			<i>For Colored Vinyl, Add</i>	15.22	
			<i>For Tinted Glass, Add</i>	18.26	
			<i>For Low-E Insulated Glass, Add</i>	38.05	
			<i>For Obscure Glass, Add</i>	41.85	
08 53 13 00-0470	EA		32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900).....	257.12	43.59
			<i>For Colored Vinyl, Add</i>	16.99	
			<i>For Tinted Glass, Add</i>	20.39	
			<i>For Low-E Insulated Glass, Add</i>	42.49	
			<i>For Obscure Glass, Add</i>	46.73	
08 53 13 00-0471	EA		32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900).....	267.26	43.59
			<i>For Colored Vinyl, Add</i>	18.01	
			<i>For Tinted Glass, Add</i>	21.61	
			<i>For Low-E Insulated Glass, Add</i>	45.02	
			<i>For Obscure Glass, Add</i>	49.52	
<b>08 53 13 00-0472</b>			<b>Replacement, Basement Vinyl Windows</b> <small>(08 53 13 00-0467)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0473	EA		Up To 47" UI, Replacement, Basement Vinyl Window.....	300.59	42.50
			<i>For Colored Vinyl, Add</i>	21.56	
			<i>For Tinted Glass, Add</i>	25.87	
			<i>For Low-E Insulated Glass, Add</i>	53.90	
			<i>For Obscure Glass, Add</i>	59.29	
08 53 13 00-0474	EA		>47" To 55" UI, Replacement, Basement Vinyl Window.....	335.22	49.04
			<i>For Colored Vinyl, Add</i>	23.72	
			<i>For Tinted Glass, Add</i>	28.46	
			<i>For Low-E Insulated Glass, Add</i>	59.29	
			<i>For Obscure Glass, Add</i>	65.22	
08 53 13 00-0475	UI		>55" UI, Replacement, Basement Vinyl Window .....	5.73	0.70
			<i>For Colored Vinyl, Add</i>	0.43	
			<i>For Tinted Glass, Add</i>	0.52	
			<i>For Low-E Insulated Glass, Add</i>	1.08	
			<i>For Obscure Glass, Add</i>	1.19	
<b>08 53 13 00-0476</b>			<b>Accessories For Vinyl Windows (08 53 13)</b>		
<b>08 53 13 00-0477</b>			<b>Factory Installed Grilles For Vinyl Windows (08 53 13 00-0476)</b>		
<b>08 53 13 00-0478</b>			<b>Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)</b>		
08 53 13 00-0479	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	35.51	
08 53 13 00-0480	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows .....	45.65	
08 53 13 00-0481	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows .....	58.80	
08 53 13 00-0482	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows .....	69.40	
08 53 13 00-0483	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows .....	85.31	
<b>08 53 13 00-0484</b>			<b>Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)</b>		
08 53 13 00-0485	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows .....	80.70	
08 53 13 00-0486	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows .....	96.84	
08 53 13 00-0487	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows .....	122.21	
08 53 13 00-0488	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows .....	152.18	
08 53 13 00-0489	EA		>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows .....	182.16	
<b>08 53 66</b>			<b>Vinyl Window Screens (08 53)</b>		
<b>08 53 66 00-0001</b>			<b>Insect Screens For Vinyl Windows (08 53 66)</b>		
08 53 66 00-0002	EA		Up To 6 SF, Insect Screen For Vinyl Windows .....	38.93	7.93
08 53 66 00-0003	EA		>6 To 9 SF, Insect Screen For Vinyl Windows .....	52.76	7.93
08 53 66 00-0004	EA		>9 To 12 SF, Insect Screen For Vinyl Windows .....	57.37	7.93
08 53 66 00-0005	EA		>12 To 15 SF, Insect Screen For Vinyl Windows .....	66.60	7.93
08 53 66 00-0006	EA		>15 To 20 SF, Insect Screen For Vinyl Windows .....	87.35	7.93
08 53 66 00-0007	EA		>20 To 25 SF, Insect Screen For Vinyl Windows .....	96.57	7.93
08 53 66 00-0008	EA		>25 To 30 SF, Insect Screen For Vinyl Windows .....	110.41	7.93
08 53 66 00-0009	EA		>30 To 35 SF, Insect Screen For Vinyl Windows .....	119.63	7.93
08 53 66 00-0010	SF		>35 SF, Insect Screen For Vinyl Windows .....	3.63	0.16
<b>08 56</b>			<b>Special Function Windows (08 50)</b>		
<b>08 56 19</b>			<b>Pass Windows (08 56)</b>		
<b>08 56 19 00-0001</b>			<b>Bullet Resistant Pass Through Service Window, Steel Frame (08 56 19)</b>		
			Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)		
08 56 19 00-0002	EA		24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame .....	4,393.26	620.84
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	45.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	295.00	
08 56 19 00-0003	EA		30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame .....	4,841.77	672.58
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	60.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	370.00	
08 56 19 00-0004	EA		36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame .....	5,090.93	724.32
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	70.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	445.00	
08 56 19 00-0005	EA		48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame .....	6,374.32	827.79
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	100.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	650.00	
08 56 19 00-0006	EA		72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame .....	8,592.79	1,241.69
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	150.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	975.00	
<b>08 56 49</b>			<b>Radiation Shielding Windows (08 56)</b>		
<b>08 56 49 00-0001</b>			<b>Lead Lined Window Frames (08 56 49)</b>		

**08 Openings****08 50 Windows****08 56 Special Function Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 49 00-0002	LF		1/8" Lead Lined, 16 Gauge Telescoping Window Frame .....	56.31	8.18
08 56 49 00-0003	LF		1/16" Lead Lined, 16 Gauge Telescoping Window Frame .....	49.84	8.18
<b>08 56 56</b>			<b>Security Window Screens (08 56)</b>		
			Note: Includes frame and mounting hardware. Operable security screens include hinges and related hardware.		
<b>08 56 56 00-0001</b>			<b>Wire Mesh Security Screen (08 56 56)</b>		
<b>08 56 56 00-0002</b>			<b>Wire Mesh, Inoperable, Security Window Screen (08 56 56 00-0001)</b>		
08 56 56 00-0003	SF		13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen .....	21.93	4.66
			For Painted Steel, Add	1.57	
			For Galvanized Steel, Add	3.14	
			For Aluminum, Add	6.29	
			For Stainless Steel, Add	27.51	
08 56 56 00-0004	SF		11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen .....	22.38	4.66
			For Painted Steel, Add	1.62	
			For Galvanized Steel, Add	3.23	
			For Aluminum, Add	6.47	
			For Stainless Steel, Add	28.30	
08 56 56 00-0005	SF		9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen .....	24.45	4.66
			For Painted Steel, Add	1.82	
			For Galvanized Steel, Add	3.65	
			For Aluminum, Add	7.30	
			For Stainless Steel, Add	31.92	
08 56 56 00-0006	SF		6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen .....	28.88	4.66
			For Painted Steel, Add	2.27	
			For Galvanized Steel, Add	4.53	
			For Aluminum, Add	9.07	
			For Stainless Steel, Add	39.67	
<b>08 56 56 00-0007</b>			<b>Wire Mesh, Operable, Security Window Screen (08 56 56 00-0001)</b>		
08 56 56 00-0008	SF		13 Gauge, Wire Mesh, Operable, Steel Security Window Screen .....	30.66	5.69
			For Painted Steel, Add	2.24	
			For Galvanized Steel, Add	4.48	
			For Aluminum, Add	8.96	
			For Stainless Steel, Add	39.18	
08 56 56 00-0009	SF		11 Gauge, Wire Mesh, Operable, Steel Security Window Screen .....	31.34	5.69
			For Painted Steel, Add	2.31	
			For Galvanized Steel, Add	4.61	
			For Aluminum, Add	9.23	
			For Stainless Steel, Add	40.37	
08 56 56 00-0010	SF		9 Gauge, Wire Mesh, Operable, Steel Security Window Screen .....	34.31	5.69
			For Painted Steel, Add	2.60	
			For Galvanized Steel, Add	5.21	
			For Aluminum, Add	10.42	
			For Stainless Steel, Add	45.57	
08 56 56 00-0011	SF		6 Gauge, Wire Mesh, Operable, Steel Security Window Screen .....	40.53	5.69
			For Painted Steel, Add	3.23	
			For Galvanized Steel, Add	6.45	
			For Aluminum, Add	12.90	
			For Stainless Steel, Add	56.46	
<b>08 56 56 00-0012</b>			<b>Wire Cloth Security Screen (08 56 56)</b>		
			Note: Wire cloth has from 10 to 12 strands per 1".		
<b>08 56 56 00-0013</b>			<b>Wire Cloth, Inoperable, Security Window Screens (08 56 56 00-0012)</b>		
08 56 56 00-0014	SF		24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen .....	14.54	3.10
			For Painted Steel, Add	0.47	
			For Galvanized Steel, Add	1.41	
			For Aluminum, Add	2.81	
			For Stainless Steel, Add	11.71	
08 56 56 00-0015	SF		22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen .....	15.17	3.10
			For Painted Steel, Add	0.50	
			For Galvanized Steel, Add	1.50	
			For Aluminum, Add	3.00	
			For Stainless Steel, Add	12.50	
08 56 56 00-0016	SF		20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen .....	16.16	3.10
			For Painted Steel, Add	0.55	
			For Galvanized Steel, Add	1.65	
			For Aluminum, Add	3.30	
			For Stainless Steel, Add	13.74	
08 56 56 00-0017	SF		18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen .....	18.06	3.10
			For Painted Steel, Add	0.64	
			For Galvanized Steel, Add	1.93	
			For Aluminum, Add	3.87	
			For Stainless Steel, Add	16.11	
<b>08 56 56 00-0018</b>			<b>Wire Cloth, Operable, Security Window Screens (08 56 56 00-0012)</b>		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Special Function Windows	08 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0019	SF		24 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	19.57	4.14
			<i>For Painted Steel, Add</i>	0.67	
			<i>For Galvanized Steel, Add</i>	2.00	
			<i>For Aluminum, Add</i>	4.01	
			<i>For Stainless Steel, Add</i>	16.70	
08 56 56 00-0020	SF		22 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	20.54	4.14
			<i>For Painted Steel, Add</i>	0.72	
			<i>For Galvanized Steel, Add</i>	2.15	
			<i>For Aluminum, Add</i>	4.30	
			<i>For Stainless Steel, Add</i>	17.91	
08 56 56 00-0021	SF		20 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	21.89	4.14
			<i>For Painted Steel, Add</i>	0.78	
			<i>For Galvanized Steel, Add</i>	2.35	
			<i>For Aluminum, Add</i>	4.70	
			<i>For Stainless Steel, Add</i>	19.60	
08 56 56 00-0022	SF		18 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	24.59	4.14
			<i>For Painted Steel, Add</i>	0.92	
			<i>For Galvanized Steel, Add</i>	2.76	
			<i>For Aluminum, Add</i>	5.51	
			<i>For Stainless Steel, Add</i>	22.98	
<b>08 56 56 00-0023</b>			<b>Expanded Metal Security Screen</b> <small>(08 56 56)</small>		
			Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.		
<b>08 56 56 00-0024</b>			<b>Expanded Metal, Inoperable, Security Screen</b> <small>(08 56 56 00-0023)</small>		
08 56 56 00-0025	SF		1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen .....	27.60	7.76
			<i>For Painted Steel, Add</i>	0.91	
			<i>For Galvanized Steel, Add</i>	2.74	
			<i>For Aluminum, Add</i>	5.49	
			<i>For Stainless Steel, Add</i>	22.86	
08 56 56 00-0026	SF		1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen .....	32.29	9.31
			<i>For Painted Steel, Add</i>	1.05	
			<i>For Galvanized Steel, Add</i>	3.14	
			<i>For Aluminum, Add</i>	6.27	
			<i>For Stainless Steel, Add</i>	26.14	
08 56 56 00-0027	SF		3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen .....	36.25	11.38
			<i>For Painted Steel, Add</i>	1.14	
			<i>For Galvanized Steel, Add</i>	3.42	
			<i>For Aluminum, Add</i>	6.84	
			<i>For Stainless Steel, Add</i>	28.50	
08 56 56 00-0028	SF		3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen .....	42.60	13.45
			<i>For Painted Steel, Add</i>	1.30	
			<i>For Galvanized Steel, Add</i>	3.91	
			<i>For Aluminum, Add</i>	7.81	
			<i>For Stainless Steel, Add</i>	32.55	
08 56 56 00-0029	SF		1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen .....	39.67	12.93
			<i>For Painted Steel, Add</i>	1.21	
			<i>For Galvanized Steel, Add</i>	3.62	
			<i>For Aluminum, Add</i>	7.25	
			<i>For Stainless Steel, Add</i>	30.19	
08 56 56 00-0030	SF		3 LB/SF Expanded Metal, Inoperable, Steel Security Window Screen .....	50.03	16.56
			<i>For Painted Steel, Add</i>	1.52	
			<i>For Galvanized Steel, Add</i>	4.56	
			<i>For Aluminum, Add</i>	9.11	
			<i>For Stainless Steel, Add</i>	37.96	
<b>08 56 56 00-0031</b>			<b>Expanded Metal, Operable, Security Screen</b> <small>(08 56 56 00-0023)</small>		
08 56 56 00-0032	SF		1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen.....	30.55	9.31
			<i>For Painted Steel, Add</i>	0.96	
			<i>For Galvanized Steel, Add</i>	2.88	
			<i>For Aluminum, Add</i>	5.75	
			<i>For Stainless Steel, Add</i>	23.96	
08 56 56 00-0033	SF		1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	43.28	11.38
			<i>For Painted Steel, Add</i>	1.49	
			<i>For Galvanized Steel, Add</i>	4.47	
			<i>For Aluminum, Add</i>	8.95	
			<i>For Stainless Steel, Add</i>	37.29	
08 56 56 00-0034	SF		3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	48.05	12.93
			<i>For Painted Steel, Add</i>	1.63	
			<i>For Galvanized Steel, Add</i>	4.88	
			<i>For Aluminum, Add</i>	9.76	
			<i>For Stainless Steel, Add</i>	40.66	
08 56 56 00-0035	SF		1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen .....	52.02	14.48
			<i>For Painted Steel, Add</i>	1.72	
			<i>For Galvanized Steel, Add</i>	5.16	
			<i>For Aluminum, Add</i>	10.33	
			<i>For Stainless Steel, Add</i>	43.04	
08 56 56 00-0036	SF		3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen.....	56.77	16.56
			<i>For Painted Steel, Add</i>	1.86	
			<i>For Galvanized Steel, Add</i>	5.57	
			<i>For Aluminum, Add</i>	11.13	
			<i>For Stainless Steel, Add</i>	46.39	

**08 Openings****08 50 Windows****08 56 Special Function Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0037 SF 3 LB/SF Expanded Metal, Operable, Steel Security Window Screen .....	64.99	18.11
For Painted Steel, Add	2.16	
For Galvanized Steel, Add	6.49	
For Aluminum, Add	12.98	
For Stainless Steel, Add	54.08	
<b>08 56 56 00-0038 Perforated Metal Security Screen (08 56 56)</b>		
<b>08 56 56 00-0039 Perforated Metal, Inoperable, Steel Security Window Screen (08 56 56 00-0038)</b>		
08 56 56 00-0040 SF 22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen .....	24.41	4.66
For Painted Steel, Add	0.91	
For Galvanized Steel, Add	2.73	
For Aluminum, Add	5.46	
For Stainless Steel, Add	18.20	
08 56 56 00-0041 SF 20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen .....	25.14	4.66
For Painted Steel, Add	0.95	
For Galvanized Steel, Add	2.84	
For Aluminum, Add	5.68	
For Stainless Steel, Add	18.93	
08 56 56 00-0042 SF 18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen .....	27.57	4.66
For Painted Steel, Add	1.07	
For Galvanized Steel, Add	3.20	
For Aluminum, Add	6.41	
For Stainless Steel, Add	21.36	
08 56 56 00-0043 SF 16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen .....	32.16	4.66
For Painted Steel, Add	1.30	
For Galvanized Steel, Add	3.89	
For Aluminum, Add	7.79	
For Stainless Steel, Add	25.95	
<b>08 56 56 00-0044 Perforated Metal, Operable, Steel Security Window Screen (08 56 56 00-0038)</b>		
08 56 56 00-0045 SF 22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	34.13	5.69
For Painted Steel, Add	1.29	
For Galvanized Steel, Add	3.88	
For Aluminum, Add	7.76	
For Stainless Steel, Add	25.86	
08 56 56 00-0046 SF 20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	35.40	5.69
For Painted Steel, Add	1.36	
For Galvanized Steel, Add	4.07	
For Aluminum, Add	8.14	
For Stainless Steel, Add	27.13	
08 56 56 00-0047 SF 18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	38.55	5.69
For Painted Steel, Add	1.51	
For Galvanized Steel, Add	4.54	
For Aluminum, Add	9.08	
For Stainless Steel, Add	30.28	
08 56 56 00-0048 SF 16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	45.13	5.69
For Painted Steel, Add	1.84	
For Galvanized Steel, Add	5.53	
For Aluminum, Add	11.06	
For Stainless Steel, Add	36.86	
<b>08 56 56 00-0049 Removal And Reinstallation Of Security Screens And Guards (08 56 56)</b>		
08 56 56 00-0050 SF Removal And Reinstallation Of Security Screens .....	13.00	
<b>08 56 59 Service and Teller Window Units (08 56)</b>		
<b>08 56 59 00-0001 Communicator For Window (08 56 59)</b>		
08 56 59 00-0002 EA Electronic Two-Way Talk-thru Hands-Free Audio Communicator (Haven SC-350).....	2,518.83	206.95
Note: Communicator is designed for applications where a fire shutter or window shade is present. Two-way communication is accomplished through the use of speakers and micro-phones located on each side of the partition. The Master unit is equipped with a 15" gooseneck microphone, power on/off switch, power-on LED, and external volume controls. The Remote Unit is window-mounted and may incorporate a level 3 bullet-resistive insert.		
08 56 59 00-0003 EA Electronic Two-Way Audio Communicator (Haven SC-300).....	2,189.13	206.95
Note: Communicator is designed for application where a cutout in the barrier is impractical. Two-way communication is accomplished through the use of speakers and microphones located on each side of the partition. The master unit is equipped with a 20" gooseneck microphone, power on/off switch, power-on LED, and external volume controls. The Remote unit is vandal-resistant with all controls located within the housing.		
08 56 59 00-0004 EA Electronic Two-Way Talk-Thru Communication System (Norcon TTU-1).....	1,985.66	206.95
<b>08 56 59 00-0005 Speak-Thru Communicator For Window (08 56 59)</b>		
08 56 59 00-0006 EA 5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru (CRL 834A).....	145.03	
Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).		
08 56 59 00-0007 EA 6-3/16" Diameter, Polished Stainless Steel, No-Draft Speak-Thru (Brixwell 834LPS).....	216.44	
Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).		





<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Special Function Windows	08 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 56 59 00-0008</b>	<b>Counter Drop-In Deal Tray</b> <small>(08 56 59)</small>		
08 56 59 00-0009	EA 16" Wide x 10" Deep x 1-9/16" High, Brushed Stainless Steel, Standard Drop-In Deal Tray (CRL CTDB16) .....	412.64	41.16

**08 60 Roof Windows and Skylights** (08)  
 Note: Includes hardware, caulk, sealant and necessary anchors.

**08 62 Unit Skylights** (08 60)

**08 62 23 Tubular Skylights** (08 62)

**08 62 23 00-0001 Aluminum Framed Solar Tube Skylights** (08 62 23)

Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.

**08 62 23 00-0002 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights** (08 62 23 00-0001)

08 62 23 00-0003	EA 2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,238.32	
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	985.65	
08 62 23 00-0004	EA 3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,309.03	178.02
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	986.52	
08 62 23 00-0005	EA 4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,377.66	182.36
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	987.38	
08 62 23 00-0006	EA 5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,475.23	186.71
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	988.25	
08 62 23 00-0007	EA 6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,560.40	191.05
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	989.12	
08 62 23 00-0008	EA 7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,629.03	195.39
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	989.99	
08 62 23 00-0009	EA 8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,697.66	199.73
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	990.86	

**08 Openings****08 60 Roof Windows and Skylights****08 62 Unit Skylights**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 62 23 00-0010	EA	9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,811.78	204.08
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	991.73	
08 62 23 00-0011	EA	10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,880.42	208.41
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	992.59	
08 62 23 00-0012	EA	11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,951.11	212.76
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	993.46	
08 62 23 00-0013	EA	12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,019.74	217.11
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	994.33	
08 62 23 00-0014	EA	13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,133.85	221.44
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	995.20	
08 62 23 00-0015	EA	14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,202.49	225.79
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	996.07	
08 62 23 00-0016	EA	15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,271.12	230.12
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	996.94	
08 62 23 00-0017	EA	16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,339.76	234.47
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	997.80	
08 62 23 00-0018		<b>31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights</b> <small>(08 62 23 00-0001)</small>		
08 62 23 00-0019	EA	2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,517.40	173.68
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	985.65	



<b>Openings</b>	<b>08</b>
<b>Roof Windows and Skylights</b>	<b>08 60</b>
<b>Unit Skylights</b>	<b>08 62</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0020 EA 3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,614.97	178.02
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	986.52	
08 62 23 00-0021 EA 4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,712.54	182.36
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	987.38	
08 62 23 00-0022 EA 5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,810.11	186.71
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	988.25	
08 62 23 00-0023 EA 6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,969.71	191.05
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	989.12	
08 62 23 00-0024 EA 7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,067.28	195.39
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	989.99	
08 62 23 00-0025 EA 8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,164.85	199.73
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	990.86	
08 62 23 00-0026 EA 9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,324.44	204.08
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	991.73	
08 62 23 00-0027 EA 10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,422.02	208.41
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	992.59	
08 62 23 00-0028 EA 11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,519.59	212.76
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	993.46	

**08 Openings****08 60 Roof Windows and Skylights****08 62 Unit Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0029	EA		12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,617.16	217.11
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	994.33	
08 62 23 00-0030	EA		13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,776.75	221.44
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	995.20	
08 62 23 00-0031	EA		14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,874.33	225.79
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	996.07	
08 62 23 00-0032	EA		15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,971.90	230.12
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	996.94	
08 62 23 00-0033	EA		16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,069.48	234.47
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	997.80	
08 62 23 00-0034			<b>55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights</b> <small>(08 62 23 00-0001)</small>		
08 62 23 00-0035	EA		2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,042.47	195.39
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	989.99	
08 62 23 00-0036	EA		3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,179.32	199.73
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	990.86	
08 62 23 00-0037	EA		4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,318.24	204.08
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	991.73	
08 62 23 00-0038	EA		5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,455.10	208.41
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	992.59	



<b>Openings</b>	<b>08</b>
<b>Roof Windows and Skylights</b>	<b>08 60</b>
<b>Unit Skylights</b>	<b>08 62</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0039 EA 6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,674.63	212.76
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	993.46	
08 62 23 00-0040 EA 7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,811.48	217.11
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	994.33	
08 62 23 00-0041 EA 8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,948.33	221.44
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	995.20	
08 62 23 00-0042 EA 9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,169.94	225.79
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	996.07	
08 62 23 00-0043 EA 10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,306.78	230.12
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	996.94	
08 62 23 00-0044 EA 11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,443.64	234.47
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	997.80	
08 62 23 00-0045 EA 12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,580.49	238.81
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	998.67	
08 62 23 00-0046 EA 13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,800.03	243.15
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	999.54	
08 62 23 00-0047 EA 14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,936.88	247.50
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	1,000.41	

**08 Openings****08 60 Roof Windows and Skylights****08 62 Unit Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0048	EA		15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,075.79	251.84
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,001.28	
08 62 23 00-0049	EA		16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,212.64	256.18
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,002.15	

**08 63 Metal-Framed Skylights** (08 60)**08 63 13 Domed Metal-Framed Skylights** (08 63)

08 63 13 00-0001 Domed Aluminum Framed Skylights (08 63 13)

08 63 13 00-0002 Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0001)

08 63 13 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)

08 63 13 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0005	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	668.57	117.23
08 63 13 00-0006	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	794.72	125.92
08 63 13 00-0007	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,046.21	138.94
08 63 13 00-0008	EA		27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,169.73	147.62
08 63 13 00-0009	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	833.03	125.92
08 63 13 00-0010	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,020.94	138.94
08 63 13 00-0011	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,104.45	147.62
08 63 13 00-0012	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,242.79	156.32
08 63 13 00-0013	EA		39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,428.99	169.34
08 63 13 00-0014	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,040.07	147.62
08 63 13 00-0015	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,120.11	151.97
08 63 13 00-0016	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,247.17	156.32
08 63 13 00-0017	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,342.88	160.65
08 63 13 00-0018	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,476.85	173.68
08 63 13 00-0019	EA		52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,641.31	182.36
08 63 13 00-0020	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,215.83	156.32
08 63 13 00-0021	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,317.61	165.00
08 63 13 00-0022	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,470.77	169.34
08 63 13 00-0023	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,556.05	178.02
08 63 13 00-0024	EA		63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,772.74	186.71

08 63 13 00-0025 Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0026	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	799.15	117.23
08 63 13 00-0027	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	922.68	125.92



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0028	EA			27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,148.06	138.94
08 63 13 00-0029	EA			27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,274.19	147.62
08 63 13 00-0030	EA			39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	927.05	125.92
08 63 13 00-0031	EA			39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,094.06	138.94
08 63 13 00-0032	EA			39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,182.79	147.62
08 63 13 00-0033	EA			39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,331.58	156.32
08 63 13 00-0034	EA			39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,481.22	169.34
08 63 13 00-0035	EA			51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,113.19	147.62
08 63 13 00-0036	EA			51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,203.68	151.97
08 63 13 00-0037	EA			51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,291.56	156.32
08 63 13 00-0038	EA			51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,392.50	160.65
08 63 13 00-0039	EA			52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,502.96	173.68
08 63 13 00-0040	EA			52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,670.03	182.36
08 63 13 00-0041	EA			63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,302.01	156.32
08 63 13 00-0042	EA			63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,411.63	165.00
08 63 13 00-0043	EA			63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,525.61	169.34
08 63 13 00-0044	EA			63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,616.11	178.02
08 63 13 00-0045	EA			63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,811.91	186.71
08 63 13 00-0046	<b>High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0003)</small> <small>Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.</small>					
08 63 13 00-0047	EA			27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	809.60	117.23
08 63 13 00-0048	EA			27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	943.57	125.92
08 63 13 00-0049	EA			27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,176.79	138.94
08 63 13 00-0050	EA			39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	953.16	125.92
08 63 13 00-0051	EA			39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,130.62	138.94
08 63 13 00-0052	EA			39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,211.52	147.62
08 63 13 00-0053	EA			39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,362.92	156.32
08 63 13 00-0054	EA			51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,136.69	147.62
08 63 13 00-0055	EA			51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,224.57	151.97
08 63 13 00-0056	EA			51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,325.51	156.32
08 63 13 00-0057	EA			51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,426.45	160.65
08 63 13 00-0058	EA			52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,544.75	173.68
08 63 13 00-0059	EA			63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,333.35	156.32
08 63 13 00-0060	EA			63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,453.41	165.00
08 63 13 00-0061	EA			63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,567.40	169.34
08 63 13 00-0062	EA			63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,657.90	178.02
08 63 13 00-0063	<b>FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0003)</small> <small>Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.</small>					
08 63 13 00-0064	EA			27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	827.88	117.23

**08 Openings****08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0065	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	972.30	125.92
08 63 13 00-0066	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,202.90	138.94
08 63 13 00-0067	EA		27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,368.21	147.62
08 63 13 00-0068	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	979.28	125.92
08 63 13 00-0069	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,154.13	138.94
08 63 13 00-0070	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,237.63	147.62
08 63 13 00-0071	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,402.09	156.32
08 63 13 00-0072	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,165.42	147.62
08 63 13 00-0073	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,253.30	151.97
08 63 13 00-0074	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,362.07	156.32
08 63 13 00-0075	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,465.62	160.65
08 63 13 00-0076	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,586.53	173.68
08 63 13 00-0077	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,372.52	156.32
08 63 13 00-0078	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,492.58	165.00
08 63 13 00-0079	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,609.18	169.34
08 63 13 00-0080	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,704.91	178.02
08 63 13 00-0081			<b>Curb Top Inserts</b> <small>(08 63 13 00-0003)</small> Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb.		
08 63 13 00-0082			<b>Single Glazed, Aluminum Framed Curb Top Inserts</b> <small>(08 63 13 00-0081)</small>		
08 63 13 00-0083	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	248.10	56.44
08 63 13 00-0084	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	329.76	65.13
08 63 13 00-0085	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	533.39	86.84
08 63 13 00-0086	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	493.08	78.15
08 63 13 00-0087	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	591.27	86.84
08 63 13 00-0088			<b>Double Glazed, Aluminum Framed Curb Top Inserts</b> <small>(08 63 13 00-0081)</small>		
08 63 13 00-0089	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	332.85	56.44
08 63 13 00-0090	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	493.07	65.13
08 63 13 00-0091	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	829.00	86.84
08 63 13 00-0092	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	807.29	78.15
08 63 13 00-0093	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	1,000.58	86.84
08 63 13 00-0094			<b>Triple Glazed, Aluminum Framed Curb Top Inserts</b> <small>(08 63 13 00-0081)</small>		
08 63 13 00-0095	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	415.54	56.44
08 63 13 00-0096	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	648.11	65.13
08 63 13 00-0097	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	1,192.83	86.84
08 63 13 00-0098	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	1,100.83	78.15
08 63 13 00-0099	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	1,380.94	86.84
08 63 13 00-0100			<b>Pyramid Style Fixed Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0002)</small>		
08 63 13 00-0101			<b>Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0100)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0102	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	621.57	117.23
08 63 13 00-0103	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	759.91	125.92
08 63 13 00-0104	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	966.95	147.62
08 63 13 00-0105	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	1,187.10	156.32
08 63 13 00-0106			<b>Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0100)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0107 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight .....	825.26	117.23
08 63 13 00-0108 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight .....	968.83	125.92
08 63 13 00-0109 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight .....	1,157.59	147.62
08 63 13 00-0110 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight .....	1,362.07	156.32
<b>08 63 13 00-0111 Double Hip Style Fixed Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0002)</small>		
<b>08 63 13 00-0112 Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0111)</small>		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0113 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	718.19	117.23
08 63 13 00-0114 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	967.87	138.94
08 63 13 00-0115 EA 27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,127.95	147.62
08 63 13 00-0116 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	921.70	138.94
08 63 13 00-0117 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,002.60	147.62
08 63 13 00-0118 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,185.34	156.32
08 63 13 00-0119 EA 39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,374.15	169.34
08 63 13 00-0120 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,049.60	151.97
08 63 13 00-0121 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,145.32	156.32
08 63 13 00-0122 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,248.87	160.65
08 63 13 00-0123 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,361.94	173.68
08 63 13 00-0124 EA 52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,583.86	182.36
08 63 13 00-0125 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,288.89	165.00
08 63 13 00-0126 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,431.60	169.34
08 63 13 00-0127 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,529.93	178.02
08 63 13 00-0128 EA 63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,744.01	186.71
<b>08 63 13 00-0129 Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0111)</small>		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0130 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	806.98	117.23
08 63 13 00-0131 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	935.74	125.92
08 63 13 00-0132 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,161.12	138.94
08 63 13 00-0133 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	945.33	125.92
08 63 13 00-0134 EA 39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,039.28	134.61
08 63 13 00-0135 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,114.96	138.94
08 63 13 00-0136 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,195.85	147.62
08 63 13 00-0137 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,349.86	156.32
08 63 13 00-0138 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,126.25	151.97
08 63 13 00-0139 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,214.13	151.97
08 63 13 00-0140 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,309.84	156.32
08 63 13 00-0141 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,408.17	160.65
08 63 13 00-0142 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,523.86	173.68
08 63 13 00-0143 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,315.07	156.32
08 63 13 00-0144 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,435.13	165.00

**08 Openings****08 60 Roof Windows and Skylights**

08 63 Metal-Framed Skylights



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 63 13 00-0145	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,546.50		169.34
08 63 13 00-0146	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,634.39		178.02
<b>08 63 13 00-0147</b>		<b>Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0111)</small>			
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.			
08 63 13 00-0148	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	927.90		125.92
08 63 13 00-0149	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,195.07		138.94
08 63 13 00-0150	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,143.68		138.94
08 63 13 00-0151	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,229.80		147.62
08 63 13 00-0152	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,391.64		156.32
08 63 13 00-0153	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,245.47		151.97
08 63 13 00-0154	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,349.02		156.32
08 63 13 00-0155	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,455.18		160.65
08 63 13 00-0156	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,565.64		173.68
08 63 13 00-0157	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,482.14		165.00
08 63 13 00-0158	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,598.73		169.34
08 63 13 00-0159	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,691.85		178.02
<b>08 63 13 00-0160</b>		<b>Smoke Vent Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0001)</small>			
<b>08 63 13 00-0161</b>		<b>Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0160)</small>			
		Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing.			
<b>08 63 13 00-0162</b>		<b>Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0161)</small>			
<b>08 63 13 00-0163</b>		<b>10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0162)</small>			
08 63 13 00-0164	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	3,571.27		173.68
08 63 13 00-0165	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	3,316.26		165.00
08 63 13 00-0166	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	3,746.24		173.68
<b>08 63 13 00-0167</b>		<b>25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0162)</small>			
08 63 13 00-0168	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	4,613.26		173.68
08 63 13 00-0169	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	4,368.69		165.00
08 63 13 00-0170	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	4,850.91		173.68
<b>08 63 13 00-0171</b>		<b>30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0162)</small>			
08 63 13 00-0172	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	4,913.58		173.68
08 63 13 00-0173	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	4,663.79		165.00
08 63 13 00-0174	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	5,146.01		173.68
<b>08 63 13 00-0175</b>		<b>Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0161)</small>			
<b>08 63 13 00-0176</b>		<b>10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0175)</small>			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0177 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	3,586.94	173.68
08 63 13 00-0178 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	3,331.92	165.00
08 63 13 00-0179 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	3,769.75	173.68
<b>08 63 13 00-0180 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0175)</small>		
08 63 13 00-0181 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,634.15	173.68
08 63 13 00-0182 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,384.36	165.00
08 63 13 00-0183 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,877.02	173.68
<b>08 63 13 00-0184 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0175)</small>		
08 63 13 00-0185 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,929.25	173.68
08 63 13 00-0186 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,679.46	165.00
08 63 13 00-0187 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	5,172.12	173.68
<b>08 66 Wood-Framed Skylights</b> <small>(08 60)</small>		
<b>08 66 00 00-0001 Wood-Framed Skylights (Andersen 400 Series)</b> <small>(08 66)</small>		
08 66 00 00-0002 EA 16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	683.06	136.22
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	102.66	
<i>For Aluminum Shingle Flashing, Add</i>	82.13	
08 66 00 00-0003 EA 16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	699.82	136.22
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	106.85	
<i>For Aluminum Shingle Flashing, Add</i>	85.48	
08 66 00 00-0004 EA 24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series).....	660.02	136.22
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	96.90	
<i>For Aluminum Shingle Flashing, Add</i>	77.52	
08 66 00 00-0005 EA 24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	712.40	136.22
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	109.99	
<i>For Aluminum Shingle Flashing, Add</i>	87.99	
08 66 00 00-0006 EA 24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	756.39	136.22
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	120.99	
<i>For Aluminum Shingle Flashing, Add</i>	96.79	
08 66 00 00-0007 EA 24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series).....	827.62	136.22
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	138.80	
<i>For Aluminum Shingle Flashing, Add</i>	111.04	
08 66 00 00-0008 EA 24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series).....	917.71	136.22
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	161.32	
<i>For Aluminum Shingle Flashing, Add</i>	129.06	
08 66 00 00-0009 EA 27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	660.02	136.22
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	96.90	
<i>For Aluminum Shingle Flashing, Add</i>	77.52	
08 66 00 00-0010 EA 28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	766.87	136.22
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	123.61	
<i>For Aluminum Shingle Flashing, Add</i>	98.89	
08 66 00 00-0011 EA 28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	827.62	136.22
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	138.80	
<i>For Aluminum Shingle Flashing, Add</i>	111.04	
08 66 00 00-0012 EA 28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series).....	896.76	136.22
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	156.08	
<i>For Aluminum Shingle Flashing, Add</i>	124.87	
08 66 00 00-0013 EA 28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series).....	988.94	136.22
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	179.13	
<i>For Aluminum Shingle Flashing, Add</i>	143.30	
08 66 00 00-0014 EA 38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	683.06	136.22
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	102.66	
<i>For Aluminum Shingle Flashing, Add</i>	82.13	
08 66 00 00-0015 EA 38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	712.40	136.22
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	109.99	
<i>For Aluminum Shingle Flashing, Add</i>	87.99	
08 66 00 00-0016 EA 38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	766.87	136.22
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	123.61	
<i>For Aluminum Shingle Flashing, Add</i>	98.89	
08 66 00 00-0017 EA 44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	959.61	136.22
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	171.80	
<i>For Aluminum Shingle Flashing, Add</i>	137.44	
08 66 00 00-0018 EA 46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	699.82	136.22
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	106.85	
<i>For Aluminum Shingle Flashing, Add</i>	85.48	

**08 Openings****08 60 Roof Windows and Skylights****08 66 Wood-Framed Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 66 00 00-0019	EA		46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	756.39	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	120.99	
			<i>For Aluminum Shingle Flashing, Add</i>	96.79	
08 66 00 00-0020	EA		46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	827.62	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	138.80	
			<i>For Aluminum Shingle Flashing, Add</i>	111.04	
08 66 00 00-0021	EA		46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series).....	959.61	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	171.80	
			<i>For Aluminum Shingle Flashing, Add</i>	137.44	
08 66 00 00-0022	EA		57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	827.62	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	138.80	
			<i>For Aluminum Shingle Flashing, Add</i>	111.04	
08 66 00 00-0023	EA		57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	896.76	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	156.08	
			<i>For Aluminum Shingle Flashing, Add</i>	124.87	
08 66 00 00-0024	EA		72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	917.71	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	161.32	
			<i>For Aluminum Shingle Flashing, Add</i>	129.06	
08 66 00 00-0025	EA		72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	988.94	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	179.13	
			<i>For Aluminum Shingle Flashing, Add</i>	143.30	

**08 70 Hardware** (08)**08 71 Door Hardware** (08 70)**08 71 11 Door Hardware** (08 71)

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0050 for removal and reinstallation of existing door where required for modifications.

**08 71 11 00-0001 Hinges** (08 71 11)

Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.

**08 71 11 00-0002 Brass/Bronze, Satin Chrome Finish Hinges** (08 71 11 00-0001)

Note: US26D (BHMA 626) satin chrome finish.

**08 71 11 00-0003 Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome****Finish Hinges** (08 71 11 00-0002)

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0004	PR		3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	79.76	7.62
			<i>For Clear Coated Bright Brass, Add</i>	5.52	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0005	PR		4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	87.47	10.90
			<i>For Clear Coated Bright Brass, Add</i>	6.14	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0006	PR		4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	98.96	11.98
			<i>For Clear Coated Bright Brass, Add</i>	5.14	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	

**08 71 11 00-0007 Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome****Finish Hinges** (08 71 11 00-0002)

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0008	PR		3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	91.70	7.62
			<i>For Clear Coated Bright Brass, Add</i>	7.08	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0009	PR		4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	105.06	10.90
			<i>For Clear Coated Bright Brass, Add</i>	7.08	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0010	PR		4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	106.96	11.98
			<i>For Clear Coated Bright Brass, Add</i>	6.26	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0011	PR		5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	124.95	14.17
			<i>For Clear Coated Bright Brass, Add</i>	7.32	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0012	PR		5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	125.74	14.17
			<i>For Clear Coated Bright Brass, Add</i>	7.43	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0013	PR		6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	134.84	18.20
			<i>For Clear Coated Bright Brass, Add</i>	8.71	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0014	PR		4-1/2" x 4" Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish, Five Knuckle Heavy Weight Butt Hinge (Ives 5BB1HW).....	97.23	11.98
			<i>For Clear Coated Bright Brass, Add</i>	4.89	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0015	PR		4-1/2" x 4-1/2" Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish, Five Knuckle Heavy Weight Butt Hinge (Ives 5BB1HW).....	103.99	11.98
			<i>For Clear Coated Bright Brass, Add</i>	5.84	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0016	PR		5" x 4-1/2" Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish, Five Knuckle Heavy Weight Butt Hinge (Ives 5BB1HW).....	120.69	14.17
			<i>For Clear Coated Bright Brass, Add</i>	6.73	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0017 PR 5" x 5" Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish, Five Knuckle Heavy Weight Butt Hinge (Ives 5BB1HW).....	131.79	14.17
For Clear Coated Bright Brass, Add	8.28	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
<b>08 71 11 00-0018 Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> (08 71 11 00-0002)		
Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0019 PR 3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	103.89	7.62
08 71 11 00-0020 PR 4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	117.24	10.90
08 71 11 00-0021 PR 4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	120.22	11.98
08 71 11 00-0022 PR 5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	139.57	14.17
<b>08 71 11 00-0023 Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> (08 71 11 00-0002)		
Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0024 PR 4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	133.55	11.98
For Clear Coated Bright Brass, Add	9.98	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0025 PR 5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	151.76	14.17
For Clear Coated Bright Brass, Add	11.08	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0026 PR 5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	168.51	14.17
For Clear Coated Bright Brass, Add	13.42	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
<b>08 71 11 00-0027 Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> (08 71 11 00-0002)		
Note: Set into mortised edge of the door and surface applied to the face of the frame.		
08 71 11 00-0028 PR 4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	136.87	11.98
For Clear Coated Bright Brass, Add	10.44	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0029 PR 5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	161.19	14.17
For Clear Coated Bright Brass, Add	12.40	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
<b>08 71 11 00-0030 Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge</b> (08 71 11 00-0002)		
Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0031 PR 4-1/2" x 4-1/2" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	132.86	11.98
For Clear Coated Bright Brass, Add	9.88	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0032 PR 5" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	153.59	18.20
For Clear Coated Bright Brass, Add	11.33	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0033 PR 6" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	182.36	18.20
For Clear Coated Bright Brass, Add	15.36	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
<b>08 71 11 00-0034 Mortised, Wrought Steel Hinges</b> (08 71 11 00-0001)		
Note: Clear coated, US 26D satin chrome finish (BHMA 652).		
<b>08 71 11 00-0035 Full Mortise, Plain Bearing, Wrought Steel Hinges</b> (08 71 11 00-0034)		
Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0036 PR 3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	54.60	7.62
For Primed For Paint Finish, Deduct	-2.70	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	1.69	
For Satin Brass Plated Clear Coated Finish, Deduct	-1.62	
For Stainless Steel, Add	7.41	
For Heavy Duty, Add	2.02	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0037 PR 4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge .....	69.36	10.90
For Primed For Paint Finish, Deduct	-2.98	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	1.86	
For Satin Brass Plated Clear Coated Finish, Deduct	-1.79	
For Stainless Steel, Add	8.18	
For Heavy Duty, Add	2.23	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0038 PR 4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	80.40	11.98
For Primed For Paint Finish, Deduct	-3.63	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	2.27	
For Satin Brass Plated Clear Coated Finish, Deduct	-2.18	
For Stainless Steel, Add	9.97	
For Heavy Duty, Add	2.72	
For Pair Of Non-Removable Pins (NRP), Add	6.00	

<b>08</b>	<b>08</b>	<b>Openings</b>
	<b>08 70</b>	<b>Hardware</b>
	<b>08 71</b>	<b>Door Hardware</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 71 11 00-0039 Full Mortise, Ball Bearing, Wrought Steel Hinges</b> <small>(08 71 11 00-0034)</small>		
Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0040	PR 3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	90.26
	<i>For Primed For Paint Finish, Deduct</i>	-9.83
	<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	6.14
	<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-5.90
	<i>For Stainless Steel, Add</i>	27.03
	<i>For Heavy Duty, Add</i>	7.37
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00
08 71 11 00-0041	PR 4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge .....	110.13
	<i>For Primed For Paint Finish, Deduct</i>	-11.13
	<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	6.96
	<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-6.68
	<i>For Stainless Steel, Add</i>	30.61
	<i>For Heavy Duty, Add</i>	8.35
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00
08 71 11 00-0042	PR 4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	112.49
	<i>For Primed For Paint Finish, Deduct</i>	-10.04
	<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	6.28
	<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-6.03
	<i>For Stainless Steel, Add</i>	27.62
	<i>For Heavy Duty, Add</i>	7.53
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00
08 71 11 00-0043	PR 5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	154.00
	<i>For Primed For Paint Finish, Deduct</i>	-16.27
	<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	10.17
	<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-9.76
	<i>For Stainless Steel, Add</i>	44.74
	<i>For Heavy Duty, Add</i>	12.20
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00
08 71 11 00-0044	PR 5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge .....	165.49
	<i>For Primed For Paint Finish, Deduct</i>	-18.57
	<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	11.61
	<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-11.14
	<i>For Stainless Steel, Add</i>	51.06
	<i>For Heavy Duty, Add</i>	13.93
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00
08 71 11 00-0045	PR 6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge .....	200.49
	<i>For Primed For Paint Finish, Deduct</i>	-25.57
	<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	15.98
	<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-15.34
	<i>For Stainless Steel, Add</i>	70.31
	<i>For Heavy Duty, Add</i>	19.18
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00
<b>08 71 11 00-0046 Half Surface, Plain Bearing, Wrought Steel Hinges</b> <small>(08 71 11 00-0034)</small>		
Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0047	PR 3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	110.85
	<i>For Primed For Paint Finish, Deduct</i>	-13.95
	<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	8.72
	<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-8.37
	<i>For Stainless Steel, Add</i>	38.35
	<i>For Heavy Duty, Add</i>	10.46
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00
08 71 11 00-0048	PR 4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	133.51
	<i>For Primed For Paint Finish, Deduct</i>	-15.81
	<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	9.88
	<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-9.48
	<i>For Stainless Steel, Add</i>	43.47
	<i>For Heavy Duty, Add</i>	11.85
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00
08 71 11 00-0049	PR 4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	150.60
	<i>For Primed For Paint Finish, Deduct</i>	-17.67
	<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	11.04
	<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-10.60
	<i>For Stainless Steel, Add</i>	48.58
	<i>For Heavy Duty, Add</i>	13.25
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00
08 71 11 00-0050	PR 5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	170.28
	<i>For Primed For Paint Finish, Deduct</i>	-19.53
	<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	12.20
	<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-11.72
	<i>For Stainless Steel, Add</i>	53.70
	<i>For Heavy Duty, Add</i>	14.64
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00

<b>08 71 11 00-0051 Half Surface, Ball Bearing, Wrought Steel Hinges</b> <small>(08 71 11 00-0034)</small>		
Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0052	PR		4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i>	154.43 -19.99 12.49 -11.99 54.97 14.99	11.98
08 71 11 00-0053	PR		4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge ..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	172.87 -22.12 13.83 -13.27 60.83 16.59 6.00	11.98
08 71 11 00-0054	PR		5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	200.49 -25.57 15.98 -15.34 70.31 19.18 6.00	14.17
08 71 11 00-0055			<b>Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges</b> (08 71 11 00-0034) Note: Both leaves slide into a cavity prepared in the door and door frame.		
08 71 11 00-0056	PR		4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	165.98 -20.74 12.96 -12.45 57.04 15.56 6.00	11.98
08 71 11 00-0057			<b>Blank Butt Hinges</b> (08 71 11 00-0034)		
08 71 11 00-0058	PR		3-1/2" x 3-1/2" To 5" x 5", Blank Butt With Screws, Steel Hinge ..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	32.68 -2.64 1.65 -1.58 7.26 1.98 6.00	4.90
08 71 11 00-0059			<b>Full Mortise, Single Acting Spring, Wrought Steel Hinges</b> (08 71 11 00-0034) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0060	PR		3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge ..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i>	140.17 -19.81 12.38 -11.89 54.48	7.62
08 71 11 00-0061	PR		4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i>	184.04 -25.91 16.20 -15.55 71.26	10.90
08 71 11 00-0062	PR		4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge ..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i>	252.86 -38.12 23.82 -22.87 104.82	11.98
08 71 11 00-0063			<b>Offset And Pivot Hinges</b> (08 71 11 00-0001) Note: Satin chrome plated, US26D.		
08 71 11 00-0064			<b>Offset Swing Clear Hinges</b> (08 71 11 00-0063) Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 11 00-0065	EA		4-1/2", Steel, Satin Chrome Finish, Swing Clear, Offset Hinges.....	254.32	3.40
08 71 11 00-0066			<b>Offset Pivot Hinges</b> (08 71 11 00-0063)		
08 71 11 00-0067			<b>3/4" Offset Pivot Hinges</b> (08 71 11 00-0066)		
08 71 11 00-0068			<b>3/4" Offset Pivot Hinges</b> (08 71 11 00-0067)		
08 71 11 00-0069			<b>Top Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0068)		
08 71 11 00-0070			<b>200 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0069)		
08 71 11 00-0071	EA		Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top) .....	122.51	10.90
08 71 11 00-0072	EA		Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	163.72	10.90
08 71 11 00-0073	EA		Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	186.61	10.90
08 71 11 00-0074	EA		Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top) .....	186.61	10.90
08 71 11 00-0075	EA		Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	186.61	10.90
08 71 11 00-0076	EA		Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	186.61	10.90

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 71 11 00-0077	EA	Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	186.61		10.90
08 71 11 00-0078	EA	Painted Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	134.41		10.90
08 71 11 00-0079	EA	Satin Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	170.14		10.90
08 71 11 00-0080	EA	Bright Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	193.94		10.90
08 71 11 00-0081	EA	Satin Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	193.94		10.90
08 71 11 00-0082	EA	Satin Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	193.94		10.90
08 71 11 00-0083	EA	Dark Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	193.94		10.90
08 71 11 00-0084	EA	Bright Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	193.94		10.90
08 71 11 00-0085	EA	Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	122.51		10.90
08 71 11 00-0086	EA	Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	163.72		10.90
08 71 11 00-0087	EA	Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	186.61		10.90
08 71 11 00-0088	EA	Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	186.61		10.90
08 71 11 00-0089	EA	Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	186.61		10.90
08 71 11 00-0090	EA	Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	186.61		10.90
08 71 11 00-0091	EA	Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	186.61		10.90
<b>08 71 11 00-0092</b>		<b>500 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0069)			
08 71 11 00-0093	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	127.96		13.63
08 71 11 00-0094	EA	Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	169.17		13.63
08 71 11 00-0095	EA	Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	192.06		13.63
08 71 11 00-0096	EA	Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	192.06		13.63
08 71 11 00-0097	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	192.06		13.63
08 71 11 00-0098	EA	Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	192.06		13.63
08 71 11 00-0099	EA	Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	192.06		13.63
<b>08 71 11 00-0100</b>		<b>600 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0069)			
08 71 11 00-0101	EA	Painted Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	127.96		13.63
08 71 11 00-0102	EA	Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	169.17		13.63
08 71 11 00-0103	EA	Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	192.06		13.63
08 71 11 00-0104	EA	Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	192.06		13.63
08 71 11 00-0105	EA	Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	192.06		13.63
08 71 11 00-0106	EA	Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	192.06		13.63
08 71 11 00-0107	EA	Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	192.06		13.63
<b>08 71 11 00-0108</b>		<b>700 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0069)			
08 71 11 00-0109	EA	Painted Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	127.96		13.63
08 71 11 00-0110	EA	Satin Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	169.17		13.63
08 71 11 00-0111	EA	Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	192.06		13.63
08 71 11 00-0112	EA	Satin Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	192.06		13.63
08 71 11 00-0113	EA	Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	192.06		13.63
08 71 11 00-0114	EA	Dark Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	192.06		13.63
08 71 11 00-0115	EA	Bright Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	192.06		13.63
<b>08 71 11 00-0116</b>		<b>Intermediate Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0068)			
<b>08 71 11 00-0117</b>		<b>200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0116)			
08 71 11 00-0118	EA	Painted Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	151.81		10.90
08 71 11 00-0119	EA	Satin Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	186.61		10.90
08 71 11 00-0120	EA	Bright Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	211.33		10.90
08 71 11 00-0121	EA	Satin Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	211.33		10.90
08 71 11 00-0122	EA	Satin Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	211.33		10.90
08 71 11 00-0123	EA	Dark Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	211.33		10.90
08 71 11 00-0124	EA	Bright Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	211.33		10.90
<b>08 71 11 00-0125</b>		<b>500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0116)			
08 71 11 00-0126	EA	Painted Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	169.17		13.63
08 71 11 00-0127	EA	Satin Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	180.15		13.63
08 71 11 00-0128	EA	Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	199.39		13.63
08 71 11 00-0129	EA	Satin Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	199.39		13.63
08 71 11 00-0130	EA	Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	199.39		13.63
08 71 11 00-0131	EA	Dark Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	199.39		13.63
08 71 11 00-0132	EA	Bright Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	199.39		13.63
<b>08 71 11 00-0133</b>		<b>600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0116)			
08 71 11 00-0134	EA	Painted Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	169.17		13.63
08 71 11 00-0135	EA	Satin Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	180.15		13.63





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0136 EA Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT) .....	199.39	13.63
08 71 11 00-0137 EA Satin Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	199.39	13.63
08 71 11 00-0138 EA Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT) .....	199.39	13.63
08 71 11 00-0139 EA Dark Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	199.39	13.63
08 71 11 00-0140 EA Bright Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	199.39	13.63
<b>08 71 11 00-0141 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0116)</b>		
08 71 11 00-0142 EA Painted Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	169.17	13.63
08 71 11 00-0143 EA Satin Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	180.15	13.63
08 71 11 00-0144 EA Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT) .....	199.39	13.63
08 71 11 00-0145 EA Satin Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	199.39	13.63
08 71 11 00-0146 EA Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT) .....	199.39	13.63
08 71 11 00-0147 EA Dark Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT) .....	199.39	13.63
08 71 11 00-0148 EA Bright Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	199.39	13.63
<b>08 71 11 00-0149 Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0068)</b>		
<b>08 71 11 00-0150 200 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0149)</b>		
08 71 11 00-0151 EA Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	134.41	10.90
08 71 11 00-0152 EA Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM) .....	170.14	10.90
08 71 11 00-0153 EA Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM) .....	193.94	10.90
08 71 11 00-0154 EA Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	193.94	10.90
08 71 11 00-0155 EA Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	193.94	10.90
08 71 11 00-0156 EA Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	243.16	10.90
08 71 11 00-0157 EA Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	193.94	10.90
08 71 11 00-0158 EA Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	134.41	10.90
08 71 11 00-0159 EA Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	170.14	10.90
08 71 11 00-0160 EA Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	193.94	10.90
08 71 11 00-0161 EA Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	193.94	10.90
08 71 11 00-0162 EA Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	193.94	10.90
08 71 11 00-0163 EA Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	193.94	10.90
08 71 11 00-0164 EA Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM) .....	193.94	10.90
08 71 11 00-0165 EA Painted Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	117.02	10.90
08 71 11 00-0166 EA Satin Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	158.23	10.90
08 71 11 00-0167 EA Bright Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	182.03	10.90
08 71 11 00-0168 EA Satin Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	182.03	10.90
08 71 11 00-0169 EA Satin Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	182.03	10.90
08 71 11 00-0170 EA Dark Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	182.03	10.90
08 71 11 00-0171 EA Bright Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	182.03	10.90
<b>08 71 11 00-0172 500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0149)</b>		
08 71 11 00-0173 EA Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	203.97	13.63
08 71 11 00-0174 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	216.78	13.63
08 71 11 00-0175 EA Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	216.78	13.63
08 71 11 00-0176 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	216.78	13.63
08 71 11 00-0177 EA Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	216.78	13.63
08 71 11 00-0178 EA Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	216.78	13.63
08 71 11 00-0179 EA Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	220.44	13.63
<b>08 71 11 00-0180 600 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0149)</b>		
08 71 11 00-0181 EA Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	175.59	13.63
08 71 11 00-0182 EA Satin Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	192.06	13.63
08 71 11 00-0183 EA Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	203.97	13.63
08 71 11 00-0184 EA Satin Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	203.97	13.63
08 71 11 00-0185 EA Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	203.97	13.63
08 71 11 00-0186 EA Dark Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	203.97	13.63
08 71 11 00-0187 EA Bright Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	203.97	13.63
<b>08 71 11 00-0188 700 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0149)</b>		
08 71 11 00-0189 EA Painted Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	399.00	13.63
08 71 11 00-0190 EA Satin Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	428.30	13.63
08 71 11 00-0191 EA Bright Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	475.01	13.63
08 71 11 00-0192 EA Satin Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	475.01	13.63
08 71 11 00-0193 EA Satin Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	475.01	13.63
08 71 11 00-0194 EA Dark Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	475.01	13.63
08 71 11 00-0195 EA Bright Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	475.01	13.63
<b>08 71 11 00-0196 Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0067)</b>		
<b>08 71 11 00-0197 Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0196)</b>		

<b>08</b>	<b>08</b>	<b>Openings</b>
	<b>08 70</b>	<b>Hardware</b>
	<b>08 71</b>	<b>Door Hardware</b>



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
<b>08 71 11 00-0198</b>		<b>500 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b>		
		<small>(08 71 11 00-0197)</small>		
08 71 11 00-0199	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top) .....	238.78	13.63
08 71 11 00-0200	EA	Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top) .....	281.79	13.63
08 71 11 00-0201	EA	Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top) .....	316.60	13.63
08 71 11 00-0202	EA	Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top) .....	316.60	13.63
08 71 11 00-0203	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top) .....	316.60	13.63
<b>08 71 11 00-0204</b>		<b>600 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b>		
		<small>(08 71 11 00-0197)</small>		
08 71 11 00-0205	EA	Painted Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top) .....	238.78	13.63
08 71 11 00-0206	EA	Satin Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top) .....	281.79	13.63
08 71 11 00-0207	EA	Bright Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top) .....	316.60	13.63
08 71 11 00-0208	EA	Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top) .....	316.60	13.63
08 71 11 00-0209	EA	Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top) .....	316.60	13.63
<b>08 71 11 00-0210</b>		<b>700 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b>		
		<small>(08 71 11 00-0197)</small>		
08 71 11 00-0211	EA	Painted Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top) .....	238.78	13.63
08 71 11 00-0212	EA	Satin Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top) .....	281.79	13.63
08 71 11 00-0213	EA	Bright Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top) .....	316.60	13.63
08 71 11 00-0214	EA	Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top) .....	316.60	13.63
08 71 11 00-0215	EA	Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top) .....	316.60	13.63
<b>08 71 11 00-0216</b>		<b>1,000 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b>		
		<small>(08 71 11 00-0197)</small>		
08 71 11 00-0217	EA	Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top) .....	251.53	16.35
08 71 11 00-0218	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top) .....	287.24	16.35
08 71 11 00-0219	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top) .....	303.73	16.35
08 71 11 00-0220	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top) .....	303.73	16.35
08 71 11 00-0221	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top) .....	303.73	16.35
<b>08 71 11 00-0222</b>		<b>1,750 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b>		
		<small>(08 71 11 00-0197)</small>		
08 71 11 00-0223	EA	Painted Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top) .....	251.53	16.35
08 71 11 00-0224	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top) .....	287.24	16.35
08 71 11 00-0225	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top) .....	303.73	16.35
08 71 11 00-0226	EA	Bright Brass Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top) .....	303.73	16.35
08 71 11 00-0227	EA	Satin Bronze Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top) .....	303.73	16.35
<b>08 71 11 00-0228</b>		<b>Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b>		
		<small>(08 71 11 00-0196)</small>		
<b>08 71 11 00-0229</b>		<b>500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b>		
		<small>(08 71 11 00-0228)</small>		
08 71 11 00-0230	EA	Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT) .....	246.08	13.63
08 71 11 00-0231	EA	Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT) .....	286.37	13.63
08 71 11 00-0232	EA	Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT) .....	298.28	13.63
08 71 11 00-0233	EA	Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT) .....	298.28	13.63



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0234 EA Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT) .....	298.28	13.63
<b>08 71 11 00-0235 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0228)</small>		
08 71 11 00-0236 EA Painted Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT) .....	246.08	13.63
08 71 11 00-0237 EA Satin Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT) .....	286.37	13.63
08 71 11 00-0238 EA Bright Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT) .....	298.28	13.63
08 71 11 00-0239 EA Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT) .....	298.28	13.63
08 71 11 00-0240 EA Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT) .....	298.28	13.63
<b>08 71 11 00-0241 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0228)</small>		
08 71 11 00-0242 EA Painted Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT) .....	246.08	13.63
08 71 11 00-0243 EA Satin Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT) .....	286.37	13.63
08 71 11 00-0244 EA Bright Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT) .....	298.28	13.63
08 71 11 00-0245 EA Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT) .....	298.28	13.63
08 71 11 00-0246 EA Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT) .....	298.28	13.63
<b>08 71 11 00-0247 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0228)</small>		
08 71 11 00-0248 EA Painted Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT) .....	275.35	16.35
08 71 11 00-0249 EA Satin Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT) .....	316.54	16.35
08 71 11 00-0250 EA Bright Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT) .....	327.53	16.35
08 71 11 00-0251 EA Bright Brass Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT) .....	327.53	16.35
08 71 11 00-0252 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT) .....	327.53	16.35
<b>08 71 11 00-0253 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0228)</small>		
08 71 11 00-0254 EA Painted Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT) .....	275.35	16.35
08 71 11 00-0255 EA Satin Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT) .....	316.54	16.35
08 71 11 00-0256 EA Bright Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT) .....	327.53	16.35
08 71 11 00-0257 EA Bright Brass Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT) .....	327.53	16.35
08 71 11 00-0258 EA Satin Bronze Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT) .....	327.53	16.35
<b>08 71 11 00-0259 Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0196)</small>		
<b>08 71 11 00-0260 500 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0259)</small>		
08 71 11 00-0261 EA Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM) .....	274.48	13.63
08 71 11 00-0262 EA Satin Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM) .....	339.49	13.63
08 71 11 00-0263 EA Bright Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM) .....	364.21	13.63
08 71 11 00-0264 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM) .....	364.21	13.63
08 71 11 00-0265 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM) .....	364.21	13.63
<b>08 71 11 00-0266 600 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0259)</small>		
08 71 11 00-0267 EA Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM) .....	269.90	13.63

<b>08</b>	<b>08</b>	<b>Openings</b>
	<b>08 70</b>	<b>Hardware</b>
	<b>08 71</b>	<b>Door Hardware</b>



MINOR		DESCRIPTION		TOTAL DIRECT	DEMOLITION
CSI	UOM			UNIT COST	UNIT COST
08 71 11 00-0268	EA	Satin Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....		286.37	13.63
08 71 11 00-0269	EA	Bright Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....		328.50	13.63
08 71 11 00-0270	EA	Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....		328.50	13.63
08 71 11 00-0271	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....		328.50	13.63
<b>08 71 11 00-0272</b>		<b>1,000 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0259)</small>			
08 71 11 00-0273	EA	Painted Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....		310.14	16.35
08 71 11 00-0274	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....		344.94	16.35
08 71 11 00-0275	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....		357.75	16.35
08 71 11 00-0276	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....		357.75	16.35
08 71 11 00-0277	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....		357.75	16.35
<b>08 71 11 00-0278</b>		<b>1,750 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0259)</small>			
08 71 11 00-0279	EA	Painted Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....		439.25	16.35
08 71 11 00-0280	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....		468.55	16.35
08 71 11 00-0281	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....		480.46	16.35
08 71 11 00-0282	EA	Bright Brass Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....		480.46	16.35
08 71 11 00-0283	EA	Satin Bronze Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....		480.46	16.35
<b>08 71 11 00-0284</b>		<b>1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0266)</small>			
<b>08 71 11 00-0285</b>		<b>Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0284)</small>			
<b>08 71 11 00-0286</b>		<b>Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0285)</small>			
<b>08 71 11 00-0287</b>		<b>400 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0286)</small>			
08 71 11 00-0288	EA	Painted Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....		281.79	13.63
08 71 11 00-0289	EA	Satin Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....		304.69	13.63
08 71 11 00-0290	EA	Bright Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....		322.08	13.63
08 71 11 00-0291	EA	Bright Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....		322.08	13.63
08 71 11 00-0292	EA	Satin Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....		322.08	13.63
<b>08 71 11 00-0293</b>		<b>500 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0286)</small>			
08 71 11 00-0294	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....		281.79	13.63
08 71 11 00-0295	EA	Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....		304.69	13.63
08 71 11 00-0296	EA	Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....		322.08	13.63
08 71 11 00-0297	EA	Bright Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....		322.08	13.63
08 71 11 00-0298	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....		322.08	13.63
<b>08 71 11 00-0299</b>		<b>Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0285)</small>			
<b>08 71 11 00-0300</b>		<b>400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0299)</small>			
08 71 11 00-0301	EA	Painted Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....		292.78	13.63
08 71 11 00-0302	EA	Satin Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....		328.50	13.63
08 71 11 00-0303	EA	Bright Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....		345.90	13.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0304 EA Bright Brass Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT) .....	345.90	13.63
08 71 11 00-0305 EA Satin Bronze Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT) .....	345.90	13.63
<b>08 71 11 00-0306 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0299)</small>		
08 71 11 00-0307 EA Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT) .....	292.78	13.63
08 71 11 00-0308 EA Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT) .....	328.50	13.63
08 71 11 00-0309 EA Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT) .....	345.90	13.63
08 71 11 00-0310 EA Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT) .....	345.90	13.63
08 71 11 00-0311 EA Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT) .....	345.90	13.63
<b>08 71 11 00-0312 Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0285)</small>		
<b>08 71 11 00-0313 400 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0312)</small>		
08 71 11 00-0314 EA Painted Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM) .....	286.37	13.63
08 71 11 00-0315 EA Satin Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM) .....	328.50	13.63
08 71 11 00-0316 EA Bright Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM) .....	345.90	13.63
08 71 11 00-0317 EA Bright Brass Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM) .....	345.90	13.63
08 71 11 00-0318 EA Satin Bronze Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM) .....	345.90	13.63
<b>08 71 11 00-0319 500 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0312)</small>		
08 71 11 00-0320 EA Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM) .....	463.10	13.63
08 71 11 00-0321 EA Satin Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM) .....	510.72	13.63
08 71 11 00-0322 EA Bright Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM) .....	522.63	13.63
08 71 11 00-0323 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM) .....	522.63	13.63
08 71 11 00-0324 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM) .....	522.63	13.63
<b>08 71 11 00-0325 Center Hung Pivot Hinges</b> <small>(08 71 11 00-0063)</small>		
<b>08 71 11 00-0326 Top Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0325)</small>		
<b>08 71 11 00-0327 300 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0326)</small>		
08 71 11 00-0328 EA Painted Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top) .....	146.32	10.90
08 71 11 00-0329 EA Satin Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top) .....	158.23	10.90
08 71 11 00-0330 EA Bright Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top) .....	158.23	10.90
08 71 11 00-0331 EA Satin Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top) .....	158.23	10.90
08 71 11 00-0332 EA Satin Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top) .....	158.23	10.90
08 71 11 00-0333 EA Dark Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top) .....	158.23	10.90
08 71 11 00-0334 EA Bright Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top) .....	158.23	10.90
<b>08 71 11 00-0335 500 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0326)</small>		
08 71 11 00-0336 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top) .....	151.77	13.63
08 71 11 00-0337 EA Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top) .....	163.68	13.63
08 71 11 00-0338 EA Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top) .....	163.68	13.63
08 71 11 00-0339 EA Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top) .....	163.68	13.63
08 71 11 00-0340 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top) .....	163.68	13.63
08 71 11 00-0341 EA Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top) .....	163.68	13.63
08 71 11 00-0342 EA Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top) .....	163.68	13.63
<b>08 71 11 00-0343 600 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0326)</small>		
08 71 11 00-0344 EA Painted Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top) .....	151.77	13.63
08 71 11 00-0345 EA Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top) .....	163.68	13.63
08 71 11 00-0346 EA Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top) .....	163.68	13.63
08 71 11 00-0347 EA Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top) .....	163.68	13.63
08 71 11 00-0348 EA Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top) .....	163.68	13.63
08 71 11 00-0349 EA Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top) .....	163.68	13.63

<b>08</b>	<b>08</b>	<b>Openings</b>
	<b>08 70</b>	<b>Hardware</b>
	<b>08 71</b>	<b>Door Hardware</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0350	EA		Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top) .....	163.68	13.63
<b>08 71 11 00-0351</b>			<b>1,000 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0326)</small>		
08 71 11 00-0352	EA		Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top) .....	239.63	16.35
08 71 11 00-0353	EA		Satin Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top) .....	279.93	16.35
08 71 11 00-0354	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top) .....	322.05	16.35
08 71 11 00-0355	EA		Satin Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top) .....	322.05	16.35
08 71 11 00-0356	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top) .....	322.05	16.35
08 71 11 00-0357	EA		Dark Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top) .....	322.05	16.35
08 71 11 00-0358	EA		Bright Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top) .....	322.05	16.35
<b>08 71 11 00-0359</b>			<b>Bottom Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0325)</small>		
<b>08 71 11 00-0360</b>			<b>300 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0359)</small>		
08 71 11 00-0361	EA		Painted Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM) .....	111.52	10.90
08 71 11 00-0362	EA		Satin Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM) .....	128.93	10.90
08 71 11 00-0363	EA		Bright Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM) .....	146.32	10.90
08 71 11 00-0364	EA		Satin Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM) .....	146.32	10.90
08 71 11 00-0365	EA		Satin Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM) .....	146.32	10.90
08 71 11 00-0366	EA		Dark Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM) .....	146.32	10.90
08 71 11 00-0367	EA		Bright Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM) .....	146.32	10.90
<b>08 71 11 00-0368</b>			<b>500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0359)</small>		
08 71 11 00-0369	EA		Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM) .....	163.68	13.63
08 71 11 00-0370	EA		Satin Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM) .....	169.17	13.63
08 71 11 00-0371	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM) .....	169.17	13.63
08 71 11 00-0372	EA		Satin Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM) .....	169.17	13.63
08 71 11 00-0373	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM) .....	169.17	13.63
08 71 11 00-0374	EA		Dark Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM) .....	169.17	13.63
08 71 11 00-0375	EA		Bright Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM) .....	169.17	13.63
08 71 11 00-0376	EA		Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM) .....	163.68	13.63
08 71 11 00-0377	EA		Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM) .....	169.17	13.63
08 71 11 00-0378	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM) .....	169.17	13.63
08 71 11 00-0379	EA		Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM) .....	169.17	13.63
08 71 11 00-0380	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM) .....	169.17	13.63
08 71 11 00-0381	EA		Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM) .....	169.17	13.63
08 71 11 00-0382	EA		Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM) .....	169.17	13.63
<b>08 71 11 00-0383</b>			<b>600 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0359)</small>		
08 71 11 00-0384	EA		Painted Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM) .....	328.50	13.63
08 71 11 00-0385	EA		Satin Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM) .....	345.90	13.63
08 71 11 00-0386	EA		Bright Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM) .....	364.21	13.63
08 71 11 00-0387	EA		Satin Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM) .....	364.21	13.63
08 71 11 00-0388	EA		Satin Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM) .....	364.21	13.63
08 71 11 00-0389	EA		Dark Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM) .....	364.21	13.63
08 71 11 00-0390	EA		Bright Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM) .....	364.21	13.63
<b>08 71 11 00-0391</b>			<b>1,000 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0359)</small>		
08 71 11 00-0392	EA		Painted Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM) .....	604.08	16.35
08 71 11 00-0393	EA		Satin Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM) .....	621.47	16.35
08 71 11 00-0394	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM) .....	645.29	16.35
08 71 11 00-0395	EA		Satin Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM) .....	645.29	16.35



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0396	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	645.29	16.35
08 71 11 00-0397	EA		Dark Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	645.29	16.35
08 71 11 00-0398	EA		Bright Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	645.29	16.35
<b>08 71 11 00-0399</b>			<b>Continuous Barrel-Type Hinge</b> (08 71 11 00-0001)		
08 71 11 00-0400	LF		1-1/2" Wide, Steel, Continuous Barrel-Type Hinge.....	31.74	4.36
			<i>For Stainless Steel, Add</i>	7.87	
			<i>For Brass Or Nickel, Add</i>	8.59	
			<i>For Aluminum, Add</i>	2.80	
			<i>For Medium Gauge, Deduct</i>	-2.86	
08 71 11 00-0401	LF		2" Wide, Steel, Continuous Barrel-Type Hinge.....	32.69	4.36
			<i>For Stainless Steel, Add</i>	8.39	
			<i>For Brass Or Nickel, Add</i>	9.16	
			<i>For Aluminum, Add</i>	2.99	
			<i>For Medium Gauge, Deduct</i>	-3.05	
08 71 11 00-0402	LF		2-1/2" Wide, Steel, Continuous Barrel-Type Hinge.....	34.60	4.36
			<i>For Stainless Steel, Add</i>	9.44	
			<i>For Brass Or Nickel, Add</i>	10.30	
			<i>For Aluminum, Add</i>	3.37	
			<i>For Medium Gauge, Deduct</i>	-3.43	
08 71 11 00-0403	LF		3" Wide, Steel, Continuous Barrel-Type Hinge.....	36.76	4.36
			<i>For Stainless Steel, Add</i>	10.63	
			<i>For Brass Or Nickel, Add</i>	11.60	
			<i>For Aluminum, Add</i>	3.79	
			<i>For Medium Gauge, Deduct</i>	-3.87	
<b>08 71 11 00-0404</b>			<b>Continuous Geared Hinges</b> (08 71 11 00-0001)		
08 71 11 00-0405	LF		Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053).....	58.60	4.36
			<i>For Bronze Finish, Add</i>	15.44	
			<i>For Heavy Duty, Add</i>	11.00	
08 71 11 00-0406	LF		Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057).....	63.41	4.36
			<i>For Bronze Finish, Add</i>	17.24	
			<i>For Heavy Duty, Add</i>	12.29	
08 71 11 00-0407	LF		Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112).....	39.29	4.36
			<i>For Bronze Finish, Add</i>	8.20	
08 71 11 00-0408	LF		Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy Duty (Roton 780-112HD).....	46.26	4.36
			<i>For Bronze Finish, Add</i>	10.81	
08 71 11 00-0409	LF		Concealed (Full Mortise), Satin Aluminum Finish, Aluminum Geared Continuous Hinge (Ives 112HD).....	38.71	4.36
<b>08 71 11 00-0410</b>			<b>Mortised, Primed Steel, Double Acting Spring Hinges</b> (08 71 11 00-0001)		
08 71 11 00-0411	PR		2", Mortised, Primed Steel, Double Acting Spring Hinge.....	144.64	7.62
			<i>For Satin Brass, Add</i>	25.56	
08 71 11 00-0412	PR		3", Mortised, Primed Steel, Double Acting Spring Hinge.....	155.58	9.81
			<i>For Satin Brass, Add</i>	25.57	
08 71 11 00-0413	PR		4", Mortised, Primed Steel, Double Acting Spring Hinge.....	172.29	11.98
			<i>For Satin Brass, Add</i>	26.97	
08 71 11 00-0414	PR		5", Mortised, Primed Steel, Double Acting Spring Hinge.....	226.28	14.17
			<i>For Satin Brass, Add</i>	37.31	
08 71 11 00-0415	PR		6", Mortised, Primed Steel, Double Acting Spring Hinge.....	252.93	16.35
			<i>For Satin Brass, Add</i>	41.09	
08 71 11 00-0416	PR		7", Mortised, Primed Steel, Double Acting Spring Hinge.....	304.69	18.52
			<i>For Satin Brass, Add</i>	50.90	
08 71 11 00-0417	PR		8", Mortised, Primed Steel, Double Acting Spring Hinge.....	415.43	51.77
			<i>For Satin Brass, Add</i>	74.86	
<b>08 71 11 00-0418</b>			<b>Security Hinges</b> (08 71 11 00-0001)		
08 71 11 00-0419	EA		4-1/2" x 4-1/2", Non Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge.....	39.69	7.62
<b>08 71 11 00-0420</b>			<b>Concealed Circuit Electric Hinge Option</b> (08 71 11 00-0001)		
			Note: Excludes the hinge. These tasks are used in conjunction with other hinges in the Construction Task Catalog® to electrify the hinge.		
08 71 11 00-0421	EA		4 Wire Concealed Circuit Electric Hinge Option.....	294.99	
08 71 11 00-0422	EA		6 Wire Concealed Circuit Electric Hinge Option.....	348.28	
08 71 11 00-0423	EA		8 Wire Concealed Circuit Electric Hinge Option.....	401.57	
<b>08 71 11 00-0424</b>			<b>Hinge Filler Plates For Door Frames</b> (08 71 11 00-0001)		
08 71 11 00-0425	PR		Hinge Filler Plates For Door Frames.....	20.55	5.45
08 71 11 00-0426			<b>Door Trim</b> (08 71 11)		
08 71 11 00-0427			<b>Floor Stops, Wall Stops And Bumpers</b> (08 71 11 00-0426)		
08 71 11 00-0428			<b>Floor Stops</b> (08 71 11 00-0427)		

**08 Openings****08 70 Hardware**

08 71 Door Hardware

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0429			<b>Aluminum Floor Stops</b> (08 71 11 00-0428)		
08 71 11 00-0430	EA		1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430) .....	30.23	13.63
08 71 11 00-0431	EA		1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436) .....	33.20	13.63
08 71 11 00-0432	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438) .....	34.34	13.63
08 71 11 00-0433	EA		2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441) .....	51.60	13.63
08 71 11 00-0434	EA		3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448).....	53.67	13.63
08 71 11 00-0435			<b>Brass Floor Stops</b> (08 71 11 00-0428)		
08 71 11 00-0436	EA		1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436) .....	33.62	13.63
08 71 11 00-0437	EA		1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436) .....	34.76	13.63
08 71 11 00-0438	EA		1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436).....	34.76	13.63
08 71 11 00-0439	EA		1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436).....	35.20	13.63
08 71 11 00-0440	EA		1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436).....	35.78	13.63
08 71 11 00-0441	EA		1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436).....	35.78	13.63
08 71 11 00-0442	EA		1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436).....	35.78	13.63
08 71 11 00-0443	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438).....	34.34	13.63
08 71 11 00-0444	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438).....	36.06	13.63
08 71 11 00-0445	EA		1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438).....	36.06	13.63
08 71 11 00-0446	EA		1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438).....	36.73	13.63
08 71 11 00-0447	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438).....	37.31	13.63
08 71 11 00-0448	EA		1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438).....	37.31	13.63
08 71 11 00-0449	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438).....	40.02	13.63
08 71 11 00-0450	EA		1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13) .....	36.17	13.63
08 71 11 00-0451	EA		1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13).....	36.17	13.63
08 71 11 00-0452	EA		1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13) .....	38.05	13.63
08 71 11 00-0453	EA		1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13).....	38.05	13.63
08 71 11 00-0454	EA		1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13).....	38.05	13.63
08 71 11 00-0455	EA		1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13) .....	38.05	13.63
08 71 11 00-0456	EA		1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17) .....	37.47	13.63
08 71 11 00-0457	EA		1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17).....	37.47	13.63
08 71 11 00-0458	EA		1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17).....	39.30	13.63
08 71 11 00-0459	EA		1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17).....	39.30	13.63
08 71 11 00-0460	EA		1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17).....	39.30	13.63
08 71 11 00-0461	EA		1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17).....	39.30	13.63
08 71 11 00-0462	EA		2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441) .....	53.27	13.63
08 71 11 00-0463	EA		2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441) .....	54.08	13.63
08 71 11 00-0464	EA		2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441) .....	56.06	13.63
08 71 11 00-0465	EA		2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441) .....	57.66	13.63
08 71 11 00-0466	EA		2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441).....	57.66	13.63
08 71 11 00-0467	EA		2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441) .....	64.18	13.63
08 71 11 00-0468	EA		2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441) .....	64.18	13.63
08 71 11 00-0469	EA		3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448).....	61.76	13.63
08 71 11 00-0470	EA		3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448).....	62.92	13.63
08 71 11 00-0471	EA		3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448) .....	62.92	13.63
08 71 11 00-0472	EA		3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448) .....	62.92	13.63
08 71 11 00-0473	EA		3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448) .....	62.92	13.63
08 71 11 00-0474	EA		3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448) .....	71.86	13.63
08 71 11 00-0475	EA		3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448).....	71.86	13.63
08 71 11 00-0476	EA		1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430) .....	43.55	13.63
08 71 11 00-0477	EA		1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430).....	45.04	13.63
08 71 11 00-0478	EA		1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430) .....	48.40	13.63
08 71 11 00-0479	EA		1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430) .....	48.40	13.63
08 71 11 00-0480	EA		1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430) .....	48.40	13.63
08 71 11 00-0481	EA		1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430) .....	49.40	13.63
08 71 11 00-0482	EA		2-1/4" Overall Height, Polished Or Satin Finish, Brass Floor Stop (Rockwood 481H) .....	65.27	13.63
08 71 11 00-0483	EA		3-11/16" Overall Height, Up To 1/2" Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Holder (Ives FS40).....	95.78	13.63
08 71 11 00-0484	EA		3-11/16" Overall Height, 9/16" To 1-1/16" Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Holder (Ives FS41).....	99.84	13.63
08 71 11 00-0485	EA		3-11/16" Overall Height, 1-1/8" To 1-9/16" Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Holder (Ives FS42).....	118.96	13.63
08 71 11 00-0486	EA		3-11/16" Overall Height, 1-5/8" To 2-11/16" Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Holder (Ives FS43).....	130.73	13.63
08 71 11 00-0487			<b>Steel Floor Stops</b> (08 71 11 00-0428)		
08 71 11 00-0488	EA		2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434) .....	37.75	13.63
08 71 11 00-0489	EA		1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S) .....	93.02	13.63
			Note: Includes drilling. Excludes Grout.		
08 71 11 00-0490	EA		3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L).....	97.73	13.63
			Note: Includes drilling. Excludes Grout.		
08 71 11 00-0491			<b>Wall Stops</b> (08 71 11 00-0427)		
08 71 11 00-0492			<b>Aluminum Wall Stops</b> (08 71 11 00-0491)		
08 71 11 00-0493	EA		3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60) .....	15.01	5.45
08 71 11 00-0494	EA		3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65).....	21.92	8.18





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 71 11 00-0495</b> <b>Brass Wall Stops</b> <small>(08 71 11 00-0491)</small>		
08 71 11 00-0496 EA 3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60).....	25.12	5.45
08 71 11 00-0497 EA 3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60).....	25.12	5.45
08 71 11 00-0498 EA 3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60).....	25.12	5.45
08 71 11 00-0499 EA 3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60).....	29.53	5.45
08 71 11 00-0500 EA 3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60).....	29.95	5.45
08 71 11 00-0501 EA 3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60).....	29.95	5.45
08 71 11 00-0502 EA 3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60).....	29.95	5.45
08 71 11 00-0503 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11).....	68.93	8.18
08 71 11 00-0504 EA 3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11).....	70.48	8.18
08 71 11 00-0505 EA 3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11).....	70.48	8.18
08 71 11 00-0506 EA 3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11).....	70.48	8.18
08 71 11 00-0507 EA 3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11).....	70.48	8.18
08 71 11 00-0508 EA 3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11).....	70.48	8.18
08 71 11 00-0509 EA 3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447).....	57.97	8.18
08 71 11 00-0510 EA 3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447).....	66.37	8.18
08 71 11 00-0511 EA 3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447).....	66.37	8.18
08 71 11 00-0512 EA 3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447).....	66.37	8.18
08 71 11 00-0513 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447).....	66.37	8.18
08 71 11 00-0514 EA 3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447).....	68.37	8.18
08 71 11 00-0515 EA 3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447).....	68.37	8.18
08 71 11 00-0516 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33).....	109.85	8.18
<b>08 71 11 00-0517</b> <b>Steel Wall Stops</b> <small>(08 71 11 00-0491)</small>		
08 71 11 00-0518 EA 3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63).....	11.76	5.45
<b>08 71 11 00-0519</b> <b>Hinge Pin Door Stops</b> <small>(08 71 11 00-0427)</small>		
<b>08 71 11 00-0520</b> <b>Aluminum Hinge Pin Door Stops</b> <small>(08 71 11 00-0519)</small>		
08 71 11 00-0521 EA Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70).....	24.34	10.90
<b>08 71 11 00-0522</b> <b>Brass Hinge Pin Door Stops</b> <small>(08 71 11 00-0519)</small>		
08 71 11 00-0523 EA Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72).....	24.83	10.90
08 71 11 00-0524 EA Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73).....	27.89	10.90
08 71 11 00-0525 EA Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70).....	35.27	10.90
08 71 11 00-0526 EA Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70).....	35.27	10.90
08 71 11 00-0527 EA Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70).....	35.27	10.90
08 71 11 00-0528 EA Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70).....	38.73	10.90
08 71 11 00-0529 EA Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70).....	38.73	10.90
08 71 11 00-0530 EA Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70).....	38.73	10.90
08 71 11 00-0531 EA Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70).....	38.73	10.90
<b>08 71 11 00-0532</b> <b>Wall Bumpers</b> <small>(08 71 11 00-0427)</small>		
<b>08 71 11 00-0533</b> <b>Brass Wall Bumpers</b> <small>(08 71 11 00-0532)</small>		
08 71 11 00-0534 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	32.07	13.63
08 71 11 00-0535 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	32.07	13.63
08 71 11 00-0536 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	32.07	13.63
08 71 11 00-0537 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	32.48	13.63
08 71 11 00-0538 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	32.48	13.63
08 71 11 00-0539 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	32.48	13.63
08 71 11 00-0540 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	32.48	13.63
08 71 11 00-0541 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402).....	46.68	13.63
08 71 11 00-0542 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402).....	50.53	13.63
08 71 11 00-0543 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402).....	50.53	13.63
08 71 11 00-0544 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402).....	50.53	13.63
08 71 11 00-0545 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402).....	50.53	13.63
08 71 11 00-0546 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402).....	50.53	13.63
08 71 11 00-0547 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402).....	51.39	13.63
<b>08 71 11 00-0548</b> <b>Rubber Wall Bumpers</b> <small>(08 71 11 00-0532)</small>		
08 71 11 00-0549 EA 1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W).....	30.53	13.63

<b>08</b>	<b>08</b>	<b>Openings</b>
	<b>08 70</b>	<b>Hardware</b>
	<b>08 71</b>	<b>Door Hardware</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 71 11 00-0550</b> <b>Cast Wall Bumpers</b> <small>(08 71 11 00-0532)</small>		
08 71 11 00-0551    EA    2-1/8" Base Diameter, Concave, Prison Version, Satin Chrome Finish, Cast, Wall Bumper (Trimco 1270CVPV) .....	54.59	14.17
For Owner Furnished Material, Deduct	-27.35	
08 71 11 00-0552    EA    2-1/8" Base Diameter, Concave, Satin Chrome Finish, Cast, Wall Bumper (Trimco 1270CV) .....	43.90	14.17
For Owner Furnished Material, Deduct	-16.66	
08 71 11 00-0553    EA    2-1/8" Base Diameter, Convex, Satin Chrome Finish, Cast Décor, Wall Bumper (Trimco 1278CX) .....	47.99	14.17
For Owner Furnished Material, Deduct	-20.75	
<b>08 71 11 00-0554</b> <b>Holders</b> <small>(08 71 11 00-0426)</small>		
<b>08 71 11 00-0555</b> <b>Plunger Type Door Holders</b> <small>(08 71 11 00-0554)</small>		
<b>08 71 11 00-0556</b> <b>Aluminum Plunger Type Door Holders</b> <small>(08 71 11 00-0555)</small>		
08 71 11 00-0557    EA    Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153) .....	72.75	8.18
<b>08 71 11 00-0558</b> <b>Brass Plunger Type Door Holders</b> <small>(08 71 11 00-0555)</small>		
08 71 11 00-0559    EA    Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154) .....	118.09	8.18
08 71 11 00-0560    EA    Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154) .....	118.09	8.18
08 71 11 00-0561    EA    Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154) .....	118.09	8.18
08 71 11 00-0562    EA    Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154) .....	118.09	8.18
08 71 11 00-0563    EA    Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154) .....	118.09	8.18
08 71 11 00-0564    EA    Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154) .....	118.09	8.18
08 71 11 00-0565    EA    Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154) .....	118.09	8.18
<b>08 71 11 00-0566</b> <b>Kick Down Door Holders</b> <small>(08 71 11 00-0554)</small>		
<b>08 71 11 00-0567</b> <b>Aluminum Kick Down Door Holders</b> <small>(08 71 11 00-0566)</small>		
08 71 11 00-0568    EA    Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455).....	25.56	8.18
<b>08 71 11 00-0569</b> <b>Brass Kick Down Door Holders</b> <small>(08 71 11 00-0566)</small>		
08 71 11 00-0570    EA    Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455) .....	53.75	8.18
08 71 11 00-0571    EA    Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455) .....	53.75	8.18
08 71 11 00-0572    EA    Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455) .....	53.75	8.18
08 71 11 00-0573    EA    Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455) .....	61.11	8.18
08 71 11 00-0574    EA    Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455).....	61.11	8.18
08 71 11 00-0575    EA    Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455).....	61.11	8.18
08 71 11 00-0576    EA    Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455).....	62.96	8.18
<b>08 71 11 00-0577</b> <b>Steel Kick Down Door Holders</b> <small>(08 71 11 00-0566)</small>		
08 71 11 00-0578    EA    Steel Kick Down Door Holder (Ives FS544) .....	31.25	8.18
<b>08 71 11 00-0579</b> <b>Floor Mounted Door Holders</b> <small>(08 71 11 00-0554)</small>		
<b>08 71 11 00-0580</b> <b>Brass Floor Mounted Door Holders</b> <small>(08 71 11 00-0579)</small>		
08 71 11 00-0581    EA    Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40) .....	105.29	16.35
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0582    EA    Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40) .....	105.29	16.35
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0583    EA    Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40) .....	129.72	16.35
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0584    EA    Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40) .....	129.72	16.35
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0585    EA    Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40) .....	129.72	16.35
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0586    EA    Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40) .....	129.72	16.35
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0587	EA		Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491).....	101.16	16.35
			Note: Includes FH MS / plastic anchors.		
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0588	EA		Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491R) .....	104.71	16.35
			Note: Includes FH MS / lead anchors.		
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0589	EA		Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491S) .....	110.60	16.35
			Note: Includes FH MS / lead anchors and bolts.		
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
<b>08 71 11 00-0590 Wall Mounted Door Holders (08 71 11 00-0554)</b>					
<b>08 71 11 00-0591 Aluminum Wall Mounted Door Holders (08 71 11 00-0590)</b>					
08 71 11 00-0592	EA		4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20).....	92.53	9.54
08 71 11 00-0593	EA		Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40).....	136.15	16.35
08 71 11 00-0594	EA		Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder, Drywall Mounting (Ives WS45).....	162.40	16.35
08 71 11 00-0595	EA		Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder, Masonry Mounting (Ives WS45X).....	182.68	16.35
<b>08 71 11 00-0596 Brass Wall Mounted Door Holders (08 71 11 00-0590)</b>					
08 71 11 00-0597	EA		3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	85.13	9.54
08 71 11 00-0598	EA		3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	98.37	9.54
08 71 11 00-0599	EA		3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	98.37	9.54
08 71 11 00-0600	EA		3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	98.37	9.54
08 71 11 00-0601	EA		3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	98.37	9.54
08 71 11 00-0602	EA		3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	98.37	9.54
08 71 11 00-0603	EA		3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	101.48	9.54
08 71 11 00-0604	EA		4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	96.22	9.54
08 71 11 00-0605	EA		4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	114.29	9.54
08 71 11 00-0606	EA		4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	114.29	9.54
08 71 11 00-0607	EA		4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	114.29	9.54
08 71 11 00-0608	EA		4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	114.29	9.54
08 71 11 00-0609	EA		4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	114.29	9.54
08 71 11 00-0610	EA		Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	154.18	16.35
08 71 11 00-0611	EA		Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	162.30	16.35
08 71 11 00-0612	EA		Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40).....	162.30	16.35
08 71 11 00-0613	EA		Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40).....	162.30	16.35
08 71 11 00-0614	EA		Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	162.30	16.35
08 71 11 00-0615	EA		Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	162.30	16.35
08 71 11 00-0616	EA		3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494).....	91.60	9.54
08 71 11 00-0617	EA		3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494R).....	95.15	9.54
			Note: Includes FH MS / lead anchors.		
08 71 11 00-0618	EA		3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494S).....	101.04	9.54
			Note: Includes FH MS / lead anchors and bolts.		
08 71 11 00-0619	EA		Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder, Drywall Mounting (Ives WS45).....	176.10	16.35
08 71 11 00-0620	EA		Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder, Masonry Mounting (Ives WS45X).....	218.01	16.35
<b>08 71 11 00-0621 Overhead Door Holders (08 71 11 00-0554)</b>					
<b>08 71 11 00-0622 Surface Mounted, Overhead Door Holders (08 71 11 00-0621)</b>					
08 71 11 00-0623	EA		Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	479.27	27.24
			For Hold Open, Add	53.43	
08 71 11 00-0624	EA		Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	547.49	27.24
			For Hold Open, Add	63.28	
08 71 11 00-0625	EA		Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	547.49	27.24
			For Hold Open, Add	63.28	
08 71 11 00-0626	EA		Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	547.49	27.24
			For Hold Open, Add	63.28	
08 71 11 00-0627	EA		Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	545.17	27.24
			For Hold Open, Add	62.94	
<b>08 71 11 00-0628 Heavy Duty, Surface Mounted, Overhead Door Holders (08 71 11 00-0621)</b>					
			Note: With or without hold open feature.		
08 71 11 00-0629	EA		Heavy Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	376.26	27.24
08 71 11 00-0630	EA		Heavy Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	539.14	27.24
08 71 11 00-0631	EA		Heavy Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	610.13	27.24
08 71 11 00-0632	EA		Heavy Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	610.13	27.24

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0633 EA Heavy Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	610.13	27.24
<b>08 71 11 00-0634 Concealed Mounted, Overhead Door Holders</b> (08 71 11 00-0621) Note: With or without hold open feature.		
08 71 11 00-0635 EA Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	521.97	27.24
08 71 11 00-0636 EA Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	521.97	27.24
08 71 11 00-0637 EA Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	549.81	27.24
08 71 11 00-0638 EA Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	573.47	27.24
08 71 11 00-0639 EA Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	573.47	27.24
<b>08 71 11 00-0640 Silencers</b> (08 71 11 00-0426)		
08 71 11 00-0641 EA Replacement Of Rubber Door Silencers.....	1.66	
Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.		
08 71 11 00-0642 EA Replacement Of Door Silencers for Metal Frames (Trimco 1229A).....	1.66	
For Owner Furnished Material, Deduct	-0.30	
08 71 11 00-0643 EA Replacement Of Door Silencers for Wood Frames (Trimco 1229B).....	1.66	
For Owner Furnished Material, Deduct	-0.30	
<b>08 71 11 00-0644 Bolts</b> (08 71 11 00-0426)		
<b>08 71 11 00-0645 Brass Surface Bolts</b> (08 71 11 00-0644)		
08 71 11 00-0646 EA 8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640).....	155.87	13.63
08 71 11 00-0647 EA 8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640).....	166.59	13.63
08 71 11 00-0648 EA 8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640).....	166.59	13.63
<b>08 71 11 00-0649 Steel Surface Bolts</b> (08 71 11 00-0644)		
08 71 11 00-0650 EA 8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	72.81	13.63
08 71 11 00-0651 EA 8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	72.81	13.63
08 71 11 00-0652 EA 8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	72.81	13.63
08 71 11 00-0653 EA 8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	82.18	13.63
08 71 11 00-0654 EA 8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	83.53	13.63
08 71 11 00-0655 EA 8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	86.20	13.63
08 71 11 00-0656 EA 12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	84.85	13.63
08 71 11 00-0657 EA 12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	88.89	13.63
08 71 11 00-0658 EA 12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	94.25	13.63
08 71 11 00-0659 EA 12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	98.26	13.63
08 71 11 00-0660 EA 12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360).....	151.86	13.63
<b>08 71 11 00-0661 Door Viewer</b> (08 71 11 00-0426)		
<b>08 71 11 00-0662 Brass Door Viewer</b> (08 71 11 00-0661)		
08 71 11 00-0663 EA 120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700).....	40.02	13.63
08 71 11 00-0664 EA 120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700).....	40.02	13.63
08 71 11 00-0665 EA 120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700).....	40.02	13.63
08 71 11 00-0666 EA 150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696).....	46.01	13.63
08 71 11 00-0667 EA 150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696).....	46.01	13.63
08 71 11 00-0668 EA 150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696).....	46.01	13.63
08 71 11 00-0669 EA 190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	53.39	13.63
08 71 11 00-0670 EA 190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	53.39	13.63
<b>08 71 11 00-0671 Door Knockers</b> (08 71 11 00-0426)		
<b>08 71 11 00-0672 Brass Door Knockers</b> (08 71 11 00-0671)		
08 71 11 00-0673 EA 5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125).....	58.49	13.63
08 71 11 00-0674 EA 5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125).....	64.18	13.63
08 71 11 00-0675 EA 5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125).....	64.18	13.63
08 71 11 00-0676 EA 5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125).....	64.18	13.63
08 71 11 00-0677 EA 8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107).....	85.76	13.63
08 71 11 00-0678 EA 8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107).....	99.47	13.63
<b>08 71 11 00-0679 Hasps</b> (08 71 11 00-0426)		
08 71 11 00-0680 EA 3-1/4", Zinc Plated Finish, Steel Hasp Assembly.....	28.32	10.28
08 71 11 00-0681 EA 4-1/2", Zinc Plated Finish, Steel Hasp Assembly.....	30.17	10.90
08 71 11 00-0682 EA 6", Zinc Plated Finish, Steel Hasp Assembly.....	38.12	12.26
08 71 11 00-0683 EA 6", Zinc Plated Finish, Steel High Security Hasp Assembly.....	147.30	14.71
<b>08 71 11 00-0684 Flush Bolts</b> (08 71 11 00-0426)		
<b>08 71 11 00-0685 Flush Bolts For Metal Doors</b> (08 71 11 00-0684)		
<b>08 71 11 00-0686 Brass Flush Bolts For Metal Doors</b> (08 71 11 00-0685)		



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 71 11 00-0687</b> Manual, Brass Flush Bolts For Metal Doors <small>(08 71 11 00-0686)</small> Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0688 EA Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458) .....	56.73	13.63
<b>08 71 11 00-0689</b> Automatic, Brass Flush Bolts For Metal Doors <small>(08 71 11 00-0686)</small> Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0690 EA Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T) .....	134.15	13.63
08 71 11 00-0691 EA Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B) .....	134.15	13.63
08 71 11 00-0692 EA Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P) .....	246.19	21.79
08 71 11 00-0693 EA Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32) .....	240.74	19.07
08 71 11 00-0694 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33) .....	250.18	20.43
<b>08 71 11 00-0695</b> Constant Latching, Brass Flush Bolts For Metal Doors <small>(08 71 11 00-0686)</small> Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0696 EA Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T) .....	132.97	13.63
08 71 11 00-0697 EA Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P) .....	246.19	21.79
08 71 11 00-0698 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52) .....	240.74	19.07
08 71 11 00-0699 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53) .....	250.18	20.43
<b>08 71 11 00-0700</b> Stainless Steel Flush Bolts For Metal Doors <small>(08 71 11 00-0685)</small>		
<b>08 71 11 00-0701</b> Automatic, Stainless Steel Flush Bolts For Metal Doors <small>(08 71 11 00-0700)</small> Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0702 EA Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T) .....	134.15	13.63
08 71 11 00-0703 EA Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B) .....	134.15	13.63
08 71 11 00-0704 EA Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P) .....	246.19	21.79
08 71 11 00-0705 EA Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32) .....	240.74	19.07
08 71 11 00-0706 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33) .....	250.18	20.43
<b>08 71 11 00-0707</b> Constant Latching, Stainless Steel Flush Bolts For Metal Doors <small>(08 71 11 00-0700)</small> Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0708 EA Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T) .....	132.97	13.63
08 71 11 00-0709 EA Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P) .....	246.19	21.79
08 71 11 00-0710 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52) .....	240.74	19.07
08 71 11 00-0711 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53) .....	250.18	20.43
<b>08 71 11 00-0712</b> Flush Bolts For Wood Doors <small>(08 71 11 00-0684)</small>		
<b>08 71 11 00-0713</b> Brass Flush Bolts For Wood Doors <small>(08 71 11 00-0712)</small>		
<b>08 71 11 00-0714</b> Manual, Brass Flush Bolts For Wood Doors <small>(08 71 11 00-0713)</small> Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0715 EA Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358) .....	66.75	13.63
<b>08 71 11 00-0716</b> Automatic, Brass Flush Bolts For Wood Doors <small>(08 71 11 00-0713)</small> Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0717 EA Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T) .....	139.38	13.63
08 71 11 00-0718 EA Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B) .....	139.38	13.63
08 71 11 00-0719 EA Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P) .....	257.44	21.79
08 71 11 00-0720 EA Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42) .....	251.99	19.07
<b>08 71 11 00-0721</b> Constant Latching, Brass Flush Bolts For Wood Doors <small>(08 71 11 00-0713)</small> Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0722 EA Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T) .....	138.33	13.63
08 71 11 00-0723 EA Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P) .....	257.44	21.79
08 71 11 00-0724 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62) .....	251.99	19.07
<b>08 71 11 00-0725</b> Stainless Steel Flush Bolts For Wood Doors <small>(08 71 11 00-0712)</small>		
<b>08 71 11 00-0726</b> Automatic, Stainless Steel Flush Bolts For Wood Doors <small>(08 71 11 00-0725)</small> Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0727 EA Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T) .....	139.38	13.63
08 71 11 00-0728 EA Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B) .....	139.38	13.63
08 71 11 00-0729 EA Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P) .....	257.44	21.79
08 71 11 00-0730 EA Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42) .....	251.99	19.07
<b>08 71 11 00-0731</b> Constant Latching, Stainless Steel Flush Bolts For Wood Doors <small>(08 71 11 00-0725)</small> Note: Includes stainless steel construction with bright or satin finish.		

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 71 11 00-0732	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T) .....	138.33		13.63
08 71 11 00-0733	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P) .....	257.44		21.79
08 71 11 00-0734	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62) .....	251.99		19.07
<b>08 71 11 00-0735</b>		<b>Dust Proof Strikes</b> <small>(08 71 11 00-0684)</small>			
08 71 11 00-0736	EA	Satin Brass Finish, Brass Dust Proof Strike (Ives DP1) .....	50.47		10.90
08 71 11 00-0737	EA	Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1) .....	50.47		10.90
08 71 11 00-0738	EA	Bright Brass Finish, Brass Dust Proof Strike (Ives DP1) .....	50.47		10.90
08 71 11 00-0739	EA	Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1) .....	50.47		10.90
08 71 11 00-0740	EA	Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1) .....	50.47		10.90
08 71 11 00-0741	EA	Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2) .....	57.96		10.90
08 71 11 00-0742	EA	Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2) .....	57.96		10.90
08 71 11 00-0743	EA	Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2) .....	57.96		10.90
08 71 11 00-0744	EA	Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2) .....	57.96		10.90
08 71 11 00-0745	EA	Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2) .....	57.96		10.90
<b>08 71 11 00-0746</b>		<b>Roller Bumpers</b> <small>(08 71 11 00-0426)</small>			
<b>08 71 11 00-0747</b>		<b>Brass Roller Bumpers</b> <small>(08 71 11 00-0746)</small>			
08 71 11 00-0748	EA	5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470) .....	52.31		8.18
08 71 11 00-0749	EA	5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470) .....	61.27		8.18
08 71 11 00-0750	EA	5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470) .....	61.27		8.18
08 71 11 00-0751	EA	4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471) .....	50.29		8.18
08 71 11 00-0752	EA	4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471) .....	57.12		8.18
08 71 11 00-0753	EA	4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471) .....	57.12		8.18
08 71 11 00-0754	EA	4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471) .....	57.12		8.18
08 71 11 00-0755	EA	6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472) .....	52.45		8.18
08 71 11 00-0756	EA	6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472) .....	57.28		8.18
08 71 11 00-0757	EA	6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472) .....	59.55		8.18
08 71 11 00-0758	EA	6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472) .....	59.55		8.18
08 71 11 00-0759	EA	6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472) .....	59.55		8.18
08 71 11 00-0760	EA	6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472) .....	59.55		8.18
08 71 11 00-0761	EA	6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472) .....	59.55		8.18
<b>08 71 11 00-0762</b>		<b>Other Door Trim</b> <small>(08 71 11 00-0426)</small>			
<b>08 71 11 00-0763</b>		<b>Coat And Hat Hooks</b> <small>(08 71 11 00-0762)</small>			
<b>08 71 11 00-0764</b>		<b>Aluminum Coat And Hat Hooks</b> <small>(08 71 11 00-0763)</small>			
08 71 11 00-0765	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581) .....	18.86		8.18
08 71 11 00-0766	EA	1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581) .....	18.86		8.18
08 71 11 00-0767	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581) .....	19.03		8.18
08 71 11 00-0768	EA	1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571) .....	18.75		8.18
08 71 11 00-0769	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571) .....	18.75		8.18
08 71 11 00-0770	EA	1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571) .....	18.75		8.18
08 71 11 00-0771	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571) .....	19.03		8.18
08 71 11 00-0772	EA	1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405) .....	19.86		8.18
08 71 11 00-0773	EA	1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405) .....	19.86		8.18
08 71 11 00-0774	EA	1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405) .....	19.86		8.18
08 71 11 00-0775	EA	1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405) .....	19.86		8.18
08 71 11 00-0776	EA	1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405) .....	19.86		8.18
<b>08 71 11 00-0777</b>		<b>Brass Coat And Hat Hooks</b> <small>(08 71 11 00-0763)</small>			
08 71 11 00-0778	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581) .....	23.41		8.18
08 71 11 00-0779	EA	1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581) .....	23.85		8.18
08 71 11 00-0780	EA	1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581) .....	24.55		8.18
08 71 11 00-0781	EA	1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581) .....	24.55		8.18
08 71 11 00-0782	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581) .....	24.99		8.18
08 71 11 00-0783	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571) .....	26.40		8.18
08 71 11 00-0784	EA	1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571) .....	28.40		8.18
08 71 11 00-0785	EA	1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571) .....	28.40		8.18
08 71 11 00-0786	EA	1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571) .....	28.40		8.18
08 71 11 00-0787	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571) .....	28.84		8.18
<b>08 71 11 00-0788</b>		<b>Cane Bolt</b> <small>(08 71 11 00-0762)</small>			
08 71 11 00-0789	EA	18" Cane Bolt With Padlock Eyes Welded To Bolt, Manual, Steel Bolt For Doors (Stanley 1009) .....	31.33		10.90
<b>08 71 11 00-0790</b>		<b>Ball Catches</b> <small>(08 71 11 00-0762)</small>			
08 71 11 00-0791	EA	Satin Brass Finish, Brass Adjustable Ball Catch (Ives 347) .....	34.76		10.90
		<i>For Owner Furnished Material, Deduct</i>	-12.97		
08 71 11 00-0792	EA	Bright Brass Finish, Brass Adjustable Ball Catch (Ives 347) .....	34.76		10.90
		<i>For Owner Furnished Material, Deduct</i>	-12.97		
08 71 11 00-0793	EA	Satin Nickel Finish, Brass Adjustable Ball Catch (Ives 347) .....	36.11		10.90
		<i>For Owner Furnished Material, Deduct</i>	-14.32		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0794 EA Satin Chrome Finish, Brass Adjustable Ball Catch (Ives 347) .....	36.80	10.90
<i>For Owner Furnished Material, Deduct</i>	-15.01	
08 71 11 00-0795 EA Satin Bronze Finish, Brass Adjustable Ball Catch (Ives 347).....	36.80	10.90
<i>For Owner Furnished Material, Deduct</i>	-15.01	
08 71 11 00-0796 EA Dark Bronze Finish, Brass Adjustable Ball Catch (Ives 347) .....	36.80	10.90
<i>For Owner Furnished Material, Deduct</i>	-15.01	
<b>08 71 11 00-0797 Other Door Trim</b> <small>(08 71 11 00-0762)</small>		
08 71 11 00-0798 EA Adapter Kit For Installation Of Cipher Locks On Metal Doors .....	86.36	13.63
<i>For Owner Furnished Material, Deduct</i>	-59.12	
08 71 11 00-0799 EA Push Or Pull Exit Paddle For Storefront Aluminum Door .....	131.78	27.24
Note: Aluminum with dark bronze or satin aluminum finish.		
<i>For Owner Furnished Material, Deduct</i>	-77.30	
08 71 11 00-0800 EA Public Toilet Lock.....	60.40	18.20
<i>For Owner Furnished Material, Deduct</i>	-33.16	
08 71 11 00-0801 EA Slide Latch Handle Mechanism For Toilet Stall Partition Doors.....	56.23	10.90
<i>For Owner Furnished Material, Deduct</i>	-34.44	
08 71 11 00-0802 EA Brass Entry Lockset Door Repair Cover, US3 .....	91.24	13.63
<i>For Owner Furnished Material, Deduct</i>	-36.76	
08 71 11 00-0803 EA Stainless Steel Entry Lockset Door Repair Cover, US32D .....	92.04	13.63
<i>For Owner Furnished Material, Deduct</i>	-37.56	
08 71 11 00-0804 EA Brass Entry Deadlock Door Repair Cover, US3.....	77.72	13.63
<i>For Owner Furnished Material, Deduct</i>	-23.24	
08 71 11 00-0805 EA Latch Protector .....	32.12	10.90
<i>For Owner Furnished Material, Deduct</i>	-10.33	
<b>08 71 11 00-0806 Overhead Door Holder</b> <small>(08 71 11 00-0426)</small>		
08 71 11 00-0807 EA Satin Stainless Steel, Concealed Heavy-Duty Overhead Door Holder, Stop-Only (Ives 100 S) .....	466.85	34.05
<b>08 71 11 00-0808 Lock Protector</b> <small>(08 71 11 00-0426)</small>		
08 71 11 00-0809 9-1/2" High x 1-1/2" Wide, Satin Stainless Steel, Lock Guard (Ives LG12).....	63.39	
<b>08 71 11 00-0810 Door Plates And Pulls</b> <small>(08 71 11)</small>		
<b>08 71 11 00-0811 Kick Plate</b> <small>(08 71 11 00-0810)</small>		
Note: Ives 8400.		
<b>08 71 11 00-0812 Aluminum Base Material Kick Plate</b> <small>(08 71 11 00-0811)</small>		
<b>08 71 11 00-0813 Satin Aluminum Finish, Aluminum Kick Plate</b> <small>(08 71 11 00-0812)</small>		
08 71 11 00-0814 EA 8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	54.86	8.18
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0815 EA 8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	56.91	8.18
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0816 EA 8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	58.90	8.18
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0817 EA 8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	60.92	8.18
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0818 EA 8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	65.16	8.72
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0819 EA 8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	67.13	8.72
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0820 EA 8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	69.15	8.72
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0821 EA 8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	71.17	8.72
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0822 EA 8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	75.36	9.27
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0823 EA 8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	77.38	9.27
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0824 EA 8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	79.38	9.27
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0825 EA 8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	83.60	9.81
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0826 EA 8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	85.62	9.81
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-0827	EA	8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	87.62	9.81
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0828	EA	10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	60.44	8.18
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0829	EA	10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	62.97	8.18
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0830	EA	10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	65.45	8.18
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0831	EA	10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	67.98	8.18
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0832	EA	10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	72.70	8.72
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0833	EA	10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	75.21	8.72
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0834	EA	10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	77.74	8.72
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0835	EA	10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	80.25	8.72
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0836	EA	10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	84.95	9.27
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0837	EA	10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	87.46	9.27
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0838	EA	10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	89.99	9.27
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0839	EA	10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	94.70	9.81
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0840	EA	10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	97.18	9.81
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0841	EA	10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	99.71	9.81
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0842	EA	12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	65.98	8.18
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0843	EA	12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	68.98	8.18
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0844	EA	12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	72.04	8.18
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0845	EA	12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	75.02	8.18
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0846	EA	12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	80.25	8.72
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0847	EA	12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	83.27	8.72
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0848	EA	12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	86.28	8.72
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0849	EA	12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	89.33	8.72
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0850	EA	12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	94.51	9.27
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0851	EA	12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	97.53	9.27
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0852	EA	12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	100.57	9.27
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0853	EA	12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	105.77	9.81
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0854	EA	12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	108.79	9.81
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0855 EA 12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.83 1.76 11.40	9.81
08 71 11 00-0856 EA 14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.68 1.76 11.40	8.72
08 71 11 00-0857 EA 14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.21 1.76 11.40	8.72
08 71 11 00-0858 EA 14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.78 1.76 11.40	8.72
08 71 11 00-0859 EA 14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.31 1.76 11.40	8.72
08 71 11 00-0860 EA 14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.99 1.76 11.40	9.27
08 71 11 00-0861 EA 14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.52 1.76 11.40	9.27
08 71 11 00-0862 EA 14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.05 1.76 11.40	9.27
08 71 11 00-0863 EA 14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.57 1.76 11.40	9.27
08 71 11 00-0864 EA 14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.28 1.76 11.40	9.81
08 71 11 00-0865 EA 14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.79 1.76 11.40	9.81
08 71 11 00-0866 EA 14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.32 1.76 11.40	9.81
08 71 11 00-0867 EA 14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.03 1.76 11.40	10.35
08 71 11 00-0868 EA 14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.58 1.76 11.40	10.35
08 71 11 00-0869 EA 14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.11 1.76 11.40	10.35
08 71 11 00-0870 EA 16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.25 1.76 11.40	8.72
08 71 11 00-0871 EA 16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.27 1.76 11.40	8.72
08 71 11 00-0872 EA 16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.33 1.76 11.40	8.72
08 71 11 00-0873 EA 16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.35 1.76 11.40	8.72
08 71 11 00-0874 EA 16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.52 1.76 11.40	9.27
08 71 11 00-0875 EA 16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.60 1.76 11.40	9.27
08 71 11 00-0876 EA 16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.64 1.76 11.40	9.27
08 71 11 00-0877 EA 16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.65 1.76 11.40	9.27
08 71 11 00-0878 EA 16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.85 1.76 11.40	9.81
08 71 11 00-0879 EA 16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.91 1.76 11.40	9.81
08 71 11 00-0880 EA 16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.93 1.76 11.40	9.81
08 71 11 00-0881 EA 16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.13 1.76 11.40	10.35
08 71 11 00-0882 EA 16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.17 1.76 11.40	10.35

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-0883	EA	16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	138.23		10.35
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0884	EA	18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	87.98		8.72
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0885	EA	18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	92.81		8.72
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0886	EA	18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	97.64		8.72
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0887	EA	18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	102.47		8.72
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0888	EA	18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	109.44		9.27
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0889	EA	18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	114.27		9.27
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0890	EA	18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	119.10		9.27
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0891	EA	18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	123.93		9.27
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0892	EA	18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	130.94		9.81
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0893	EA	18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	135.77		9.81
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0894	EA	18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	140.60		9.81
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0895	EA	18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	147.61		10.35
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0896	EA	18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	152.44		10.35
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0897	EA	18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	157.27		10.35
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0898	EA	20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	96.05		9.27
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0899	EA	20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	101.41		9.27
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0900	EA	20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	106.77		9.27
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0901	EA	20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	112.14		9.27
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0902	EA	20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	119.68		9.81
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0903	EA	20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	125.04		9.81
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0904	EA	20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	130.41		9.81
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0905	EA	20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	135.77		9.81
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0906	EA	20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	143.31		10.35
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0907	EA	20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	148.68		10.35
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0908	EA	20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	154.04		10.35
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0909	EA	20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	161.58		10.90
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0910	EA	20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	166.95		10.90
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0911 EA 20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	172.31 6.30 11.40	10.90
08 71 11 00-0912 EA 22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.94 6.30 11.40	9.27
08 71 11 00-0913 EA 22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.84 6.30 11.40	9.27
08 71 11 00-0914 EA 22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.74 6.30 11.40	9.27
08 71 11 00-0915 EA 22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.64 6.30 11.40	9.27
08 71 11 00-0916 EA 22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.74 6.30 11.40	9.81
08 71 11 00-0917 EA 22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.63 6.30 11.40	9.81
08 71 11 00-0918 EA 22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.53 6.30 11.40	9.81
08 71 11 00-0919 EA 22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.43 6.30 11.40	9.81
08 71 11 00-0920 EA 22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.51 6.30 11.40	10.35
08 71 11 00-0921 EA 22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.40 6.30 11.40	10.35
08 71 11 00-0922 EA 22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.30 6.30 11.40	10.35
08 71 11 00-0923 EA 22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.38 6.30 11.40	10.90
08 71 11 00-0924 EA 22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.28 6.30 11.40	10.90
08 71 11 00-0925 EA 22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.17 6.30 11.40	10.90
08 71 11 00-0926 EA 24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.84 6.30 11.40	9.27
08 71 11 00-0927 EA 24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.27 6.30 11.40	9.27
08 71 11 00-0928 EA 24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.73 6.30 11.40	9.27
08 71 11 00-0929 EA 24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.16 6.30 11.40	9.27
08 71 11 00-0930 EA 24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.77 6.30 11.40	9.81
08 71 11 00-0931 EA 24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.20 6.30 11.40	9.81
08 71 11 00-0932 EA 24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.63 6.30 11.40	9.81
08 71 11 00-0933 EA 24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.09 6.30 11.40	9.81
08 71 11 00-0934 EA 24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.70 6.30 11.40	10.35
08 71 11 00-0935 EA 24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	170.13 6.30 11.40	10.35
08 71 11 00-0936 EA 24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.56 6.30 11.40	10.35
08 71 11 00-0937 EA 24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.17 6.30 11.40	10.90
08 71 11 00-0938 EA 24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.63 6.30 11.40	10.90

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0939	EA		24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.06 6.30 11.40	10.90
<b>08 71 11 00-0940</b>			<b>Brass Base Material Kick Plate</b> (08 71 11 00-0811)		
<b>08 71 11 00-0941</b>			<b>Bright/Satin Brass Finish, Brass Kick Plate</b> (08 71 11 00-0940)		
08 71 11 00-0942	EA		8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.51 1.76 11.40	8.18
08 71 11 00-0943	EA		8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.21 1.76 11.40	8.18
08 71 11 00-0944	EA		8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.93 1.76 11.40	8.18
08 71 11 00-0945	EA		8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.64 1.76 11.40	8.18
08 71 11 00-0946	EA		8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.53 1.76 11.40	8.72
08 71 11 00-0947	EA		8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.28 1.76 11.40	8.72
08 71 11 00-0948	EA		8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.98 1.76 11.40	8.72
08 71 11 00-0949	EA		8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.68 1.76 11.40	8.72
08 71 11 00-0950	EA		8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.55 1.76 11.40	9.27
08 71 11 00-0951	EA		8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.25 1.76 11.40	9.27
08 71 11 00-0952	EA		8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	177.96 1.76 11.40	9.27
08 71 11 00-0953	EA		8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.84 1.76 11.40	9.81
08 71 11 00-0954	EA		8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.59 1.76 11.40	9.81
08 71 11 00-0955	EA		8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	200.29 1.76 11.40	9.81
08 71 11 00-0956	EA		10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.98 1.76 11.40	8.18
08 71 11 00-0957	EA		10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.34 1.76 11.40	8.18
08 71 11 00-0958	EA		10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.74 1.76 11.40	8.18
08 71 11 00-0959	EA		10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.13 1.76 11.40	8.18
08 71 11 00-0960	EA		10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.68 1.76 11.40	8.72
08 71 11 00-0961	EA		10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.08 1.76 11.40	8.72
08 71 11 00-0962	EA		10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	177.49 1.76 11.40	8.72
08 71 11 00-0963	EA		10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.87 1.76 11.40	8.72
08 71 11 00-0964	EA		10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	196.40 1.76 11.40	9.27
08 71 11 00-0965	EA		10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.81 1.76 11.40	9.27
08 71 11 00-0966	EA		10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.22 1.76 11.40	9.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0967 EA 10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.76 1.76 11.40	9.81
08 71 11 00-0968 EA 10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	232.16 1.76 11.40	9.81
08 71 11 00-0969 EA 10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	240.55 1.76 11.40	9.81
08 71 11 00-0970 EA 12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.38 1.76 11.40	8.18
08 71 11 00-0971 EA 12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.49 1.76 11.40	8.18
08 71 11 00-0972 EA 12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.53 1.76 11.40	8.18
08 71 11 00-0973 EA 12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.60 1.76 11.40	8.18
08 71 11 00-0974 EA 12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.87 1.76 11.40	8.72
08 71 11 00-0975 EA 12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	195.94 1.76 11.40	8.72
08 71 11 00-0976 EA 12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	206.00 1.76 11.40	8.72
08 71 11 00-0977 EA 12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	216.04 1.76 11.40	8.72
08 71 11 00-0978 EA 12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	228.33 1.76 11.40	9.27
08 71 11 00-0979 EA 12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.37 1.76 11.40	9.27
08 71 11 00-0980 EA 12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	248.43 1.76 11.40	9.27
08 71 11 00-0981 EA 12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	260.68 1.76 11.40	9.81
08 71 11 00-0982 EA 12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	270.72 1.76 11.40	9.81
08 71 11 00-0983 EA 12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	280.83 1.76 11.40	9.81
08 71 11 00-0984 EA 14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.06 1.76 11.40	8.72
08 71 11 00-0985 EA 14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.79 1.76 11.40	8.72
08 71 11 00-0986 EA 14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	187.53 1.76 11.40	8.72
08 71 11 00-0987 EA 14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	199.30 1.76 11.40	8.72
08 71 11 00-0988 EA 14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.22 1.76 11.40	9.27
08 71 11 00-0989 EA 14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	224.96 1.76 11.40	9.27
08 71 11 00-0990 EA 14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	236.69 1.76 11.40	9.27
08 71 11 00-0991 EA 14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	248.43 1.76 11.40	9.27
08 71 11 00-0992 EA 14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	262.36 1.76 11.40	9.81
08 71 11 00-0993 EA 14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	274.10 1.76 11.40	9.81
08 71 11 00-0994 EA 14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	285.83 1.76 11.40	9.81

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0995	EA	14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	299.75	10.35
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0996	EA	14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	311.52	10.35
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0997	EA	14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	323.27	10.35
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0998	EA	16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	229.38	8.72
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0999	EA	16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	247.10	8.72
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1000	EA	16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	264.78	8.72
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1001	EA	16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	282.43	8.72
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1002	EA	16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	302.28	9.27
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1003	EA	16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	319.98	9.27
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1004	EA	16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	337.68	9.27
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1005	EA	16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	355.31	9.27
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1006	EA	16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	375.22	9.81
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1007	EA	16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	392.92	9.81
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1008	EA	16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	410.60	9.81
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1009	EA	16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	430.43	10.35
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1010	EA	16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	448.11	10.35
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1011	EA	16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	465.81	10.35
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1012	EA	18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	253.31	8.72
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1013	EA	18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	273.16	8.72
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1014	EA	18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	292.99	8.72
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1015	EA	18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	312.89	8.72
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1016	EA	18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	334.90	9.27
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1017	EA	18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	354.73	9.27
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1018	EA	18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	374.63	9.27
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1019	EA	18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	394.45	9.27
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1020	EA	18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	416.53	9.81
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1021	EA	18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	436.38	9.81
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1022	EA	18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	456.20	9.81
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1023 EA 18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	478.28 6.30 11.40	10.35
08 71 11 00-1024 EA 18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	498.11 6.30 11.40	10.35
08 71 11 00-1025 EA 18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	517.95 6.30 11.40	10.35
08 71 11 00-1026 EA 20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	279.75 6.30 11.40	9.27
08 71 11 00-1027 EA 20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	301.79 6.30 11.40	9.27
08 71 11 00-1028 EA 20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	323.88 6.30 11.40	9.27
08 71 11 00-1029 EA 20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	345.90 6.30 11.40	9.27
08 71 11 00-1030 EA 20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	370.17 6.30 11.40	9.81
08 71 11 00-1031 EA 20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	392.24 6.30 11.40	9.81
08 71 11 00-1032 EA 20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	414.29 6.30 11.40	9.81
08 71 11 00-1033 EA 20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	436.38 6.30 11.40	9.81
08 71 11 00-1034 EA 20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	460.58 6.30 11.40	10.35
08 71 11 00-1035 EA 20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	482.67 6.30 11.40	10.35
08 71 11 00-1036 EA 20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	504.74 6.30 11.40	10.35
08 71 11 00-1037 EA 20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	528.96 6.30 11.40	10.90
08 71 11 00-1038 EA 20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	551.05 6.30 11.40	10.90
08 71 11 00-1039 EA 20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	573.07 6.30 11.40	10.90
08 71 11 00-1040 EA 22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	304.03 6.30 11.40	9.27
08 71 11 00-1041 EA 22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	328.27 6.30 11.40	9.27
08 71 11 00-1042 EA 22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	352.54 6.30 11.40	9.27
08 71 11 00-1043 EA 22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	376.82 6.30 11.40	9.27
08 71 11 00-1044 EA 22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	403.26 6.30 11.40	9.81
08 71 11 00-1045 EA 22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	427.55 6.30 11.40	9.81
08 71 11 00-1046 EA 22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	451.81 6.30 11.40	9.81
08 71 11 00-1047 EA 22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	476.10 6.30 11.40	9.81
08 71 11 00-1048 EA 22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	502.52 6.30 11.40	10.35
08 71 11 00-1049 EA 22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	526.78 6.30 11.40	10.35
08 71 11 00-1050 EA 22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	551.07 6.30 11.40	10.35

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1051	EA		22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	577.51	10.90
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1052	EA		22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	601.80	10.90
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1053	EA		22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	626.01	10.90
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1054	EA		24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	328.27	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1055	EA		24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	354.73	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1056	EA		24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	381.24	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1057	EA		24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	407.72	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1058	EA		24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	436.38	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1059	EA		24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	462.84	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1060	EA		24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	489.32	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1061	EA		24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	517.25	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1062	EA		24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	544.44	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1063	EA		24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	570.89	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1064	EA		24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	597.37	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1065	EA		24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	626.01	10.90
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1066	EA		24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	652.54	10.90
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1067	EA		24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	679.00	10.90
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
<b>08 71 11 00-1068</b>			<b>Bright/Satin Chrome Finish, Stainless Kick Plate</b> (08 71 11 00-0940)		
08 71 11 00-1069	EA		8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	114.32	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1070	EA		8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	121.74	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1071	EA		8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	129.17	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1072	EA		8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	136.59	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1073	EA		8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	146.20	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1074	EA		8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	153.60	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1075	EA		8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	161.03	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1076	EA		8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	168.45	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1077	EA		8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	178.04	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1078	EA		8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	185.49	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1079 EA 8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.91 1.76 11.40	9.27
08 71 11 00-1080 EA 8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.52 1.76 11.40	9.81
08 71 11 00-1081 EA 8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.94 1.76 11.40	9.81
08 71 11 00-1082 EA 8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	217.36 1.76 11.40	9.81
08 71 11 00-1083 EA 10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.74 1.76 11.40	8.18
08 71 11 00-1084 EA 10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.01 1.76 11.40	8.18
08 71 11 00-1085 EA 10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.29 1.76 11.40	8.18
08 71 11 00-1086 EA 10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	162.56 1.76 11.40	8.18
08 71 11 00-1087 EA 10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	174.05 1.76 11.40	8.72
08 71 11 00-1088 EA 10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.32 1.76 11.40	8.72
08 71 11 00-1089 EA 10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.59 1.76 11.40	8.72
08 71 11 00-1090 EA 10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	201.87 1.76 11.40	8.72
08 71 11 00-1091 EA 10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.31 1.76 11.40	9.27
08 71 11 00-1092 EA 10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	222.58 1.76 11.40	9.27
08 71 11 00-1093 EA 10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.86 1.76 11.40	9.27
08 71 11 00-1094 EA 10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	243.31 1.76 11.40	9.81
08 71 11 00-1095 EA 10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.58 1.76 11.40	9.81
08 71 11 00-1096 EA 10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	261.86 1.76 11.40	9.81
08 71 11 00-1097 EA 12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.14 1.76 11.40	8.18
08 71 11 00-1098 EA 12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.26 1.76 11.40	8.18
08 71 11 00-1099 EA 12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	177.43 1.76 11.40	8.18
08 71 11 00-1100 EA 12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.55 1.76 11.40	8.18
08 71 11 00-1101 EA 12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	201.87 1.76 11.40	8.72
08 71 11 00-1102 EA 12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.01 1.76 11.40	8.72
08 71 11 00-1103 EA 12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	224.14 1.76 11.40	8.72
08 71 11 00-1104 EA 12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	235.26 1.76 11.40	8.72
08 71 11 00-1105 EA 12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	248.55 1.76 11.40	9.27
08 71 11 00-1106 EA 12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	259.68 1.76 11.40	9.27

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1107	EA		12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	270.82	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1108	EA		12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	284.13	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1109	EA		12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	295.29	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1110	EA		12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	306.42	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1111	EA		14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	177.72	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1112	EA		14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	190.74	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1113	EA		14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	203.74	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1114	EA		14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	216.71	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1115	EA		14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	231.86	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1116	EA		14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	244.85	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1117	EA		14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	257.83	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1118	EA		14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	270.82	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1119	EA		14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	286.02	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1120	EA		14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	298.99	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1121	EA		14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	311.97	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1122	EA		14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	303.73	10.35
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1123	EA		14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	340.12	10.35
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1124	EA		14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	353.11	10.35
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1125	EA		16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	252.56	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1126	EA		16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	272.38	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1127	EA		16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	292.16	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1128	EA		16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	311.95	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1129	EA		16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	333.91	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1130	EA		16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	353.69	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1131	EA		16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	373.51	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1132	EA		16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	393.29	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1133	EA		16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	415.26	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1134	EA		16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	435.05	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1135 EA 16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	454.83 1.76 11.40	9.81
08 71 11 00-1136 EA 16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	476.80 1.76 11.40	10.35
08 71 11 00-1137 EA 16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	496.59 1.76 11.40	10.35
08 71 11 00-1138 EA 16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	516.38 1.76 11.40	10.35
08 71 11 00-1139 EA 18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	279.07 6.30 11.40	8.72
08 71 11 00-1140 EA 18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	301.30 6.30 11.40	8.72
08 71 11 00-1141 EA 18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	323.47 6.30 11.40	8.72
08 71 11 00-1142 EA 18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	345.69 6.30 11.40	8.72
08 71 11 00-1143 EA 18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	370.04 6.30 11.40	9.27
08 71 11 00-1144 EA 18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	392.24 6.30 11.40	9.27
08 71 11 00-1145 EA 18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	414.44 6.30 11.40	9.27
08 71 11 00-1146 EA 18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	436.64 6.30 11.40	9.27
08 71 11 00-1147 EA 18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	460.99 6.30 11.40	9.81
08 71 11 00-1148 EA 18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	483.22 6.30 11.40	9.81
08 71 11 00-1149 EA 18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	505.44 6.30 11.40	9.81
08 71 11 00-1150 EA 18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	529.79 6.30 11.40	10.35
08 71 11 00-1151 EA 18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	552.02 6.30 11.40	10.35
08 71 11 00-1152 EA 18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	574.19 6.30 11.40	10.35
08 71 11 00-1153 EA 20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	308.36 6.30 11.40	9.27
08 71 11 00-1154 EA 20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	333.06 6.30 11.40	9.27
08 71 11 00-1155 EA 20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	357.70 6.30 11.40	9.27
08 71 11 00-1156 EA 20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	382.40 6.30 11.40	9.27
08 71 11 00-1157 EA 20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	409.22 6.30 11.40	9.81
08 71 11 00-1158 EA 20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	433.88 6.30 11.40	9.81
08 71 11 00-1159 EA 20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	458.56 6.30 11.40	9.81
08 71 11 00-1160 EA 20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	483.22 6.30 11.40	9.81
08 71 11 00-1161 EA 20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	510.10 6.30 11.40	10.35
08 71 11 00-1162 EA 20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	534.74 6.30 11.40	10.35

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1163	EA	20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	559.39	10.35	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1164	EA	20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	586.26	10.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1165	EA	20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate .....	610.91	10.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1166	EA	20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	635.60	10.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1167	EA	22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	335.50	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1168	EA	22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	362.66	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1169	EA	22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	389.78	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1170	EA	22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	416.90	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1171	EA	22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	446.24	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1172	EA	22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	473.36	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1173	EA	22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	500.50	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1174	EA	22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	527.61	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1175	EA	22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	556.96	10.35	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1176	EA	22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	584.08	10.35	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1177	EA	22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	611.22	10.35	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1178	EA	22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	640.51	10.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1179	EA	22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	667.63	10.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1180	EA	22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	694.79	10.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1181	EA	24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	362.66	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1182	EA	24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	392.24	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1183	EA	24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	421.84	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1184	EA	24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	451.44	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1185	EA	24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	483.22	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1186	EA	24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	512.82	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1187	EA	24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	542.46	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1188	EA	24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	572.01	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1189	EA	24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	603.79	10.35	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1190	EA	24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	633.42	10.35	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1191 EA 24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	663.01 6.30 11.40	10.35
08 71 11 00-1192 EA 24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	694.79 6.30 11.40	10.90
08 71 11 00-1193 EA 24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	724.39 6.30 11.40	10.90
08 71 11 00-1194 EA 24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	753.99 6.30 11.40	10.90
<b>08 71 11 00-1195 Satin/Dark Bronze Finish, Brass Kick Plate</b> <small>(08 71 11 00-0940)</small>		
08 71 11 00-1196 EA 8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.57 1.76 11.40	8.18
08 71 11 00-1197 EA 8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.07 1.76 11.40	8.18
08 71 11 00-1198 EA 8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.64 1.76 11.40	8.18
08 71 11 00-1199 EA 8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.14 1.76 11.40	8.18
08 71 11 00-1200 EA 8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.90 1.76 11.40	8.72
08 71 11 00-1201 EA 8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.42 1.76 11.40	8.72
08 71 11 00-1202 EA 8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	162.97 1.76 11.40	8.72
08 71 11 00-1203 EA 8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	170.49 1.76 11.40	8.72
08 71 11 00-1204 EA 8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.16 1.76 11.40	9.27
08 71 11 00-1205 EA 8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	187.73 1.76 11.40	9.27
08 71 11 00-1206 EA 8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	195.25 1.76 11.40	9.27
08 71 11 00-1207 EA 8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.98 1.76 11.40	9.81
08 71 11 00-1208 EA 8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	212.50 1.76 11.40	9.81
08 71 11 00-1209 EA 8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.04 1.76 11.40	9.81
08 71 11 00-1210 EA 10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.27 1.76 11.40	8.18
08 71 11 00-1211 EA 10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.71 1.76 11.40	8.18
08 71 11 00-1212 EA 10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.10 1.76 11.40	8.18
08 71 11 00-1213 EA 10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.52 1.76 11.40	8.18
08 71 11 00-1214 EA 10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.12 1.76 11.40	8.72
08 71 11 00-1215 EA 10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.56 1.76 11.40	8.72
08 71 11 00-1216 EA 10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.95 1.76 11.40	8.72
08 71 11 00-1217 EA 10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.36 1.76 11.40	8.72
08 71 11 00-1218 EA 10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	215.97 1.76 11.40	9.27

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1219	EA		10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	225.39 1.76 11.40	9.27
08 71 11 00-1220	EA		10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	234.78 1.76 11.40	9.27
08 71 11 00-1221	EA		10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	246.42 1.76 11.40	9.81
08 71 11 00-1222	EA		10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	255.81 1.76 11.40	9.81
08 71 11 00-1223	EA		10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	265.22 1.76 11.40	9.81
08 71 11 00-1224	EA		12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.99 1.76 11.40	8.18
08 71 11 00-1225	EA		12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.30 1.76 11.40	8.18
08 71 11 00-1226	EA		12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.58 1.76 11.40	8.18
08 71 11 00-1227	EA		12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.89 1.76 11.40	8.18
08 71 11 00-1228	EA		12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.36 1.76 11.40	8.72
08 71 11 00-1229	EA		12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	215.69 1.76 11.40	8.72
08 71 11 00-1230	EA		12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	227.00 1.76 11.40	8.72
08 71 11 00-1231	EA		12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.28 1.76 11.40	8.72
08 71 11 00-1232	EA		12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.76 1.76 11.40	9.27
08 71 11 00-1233	EA		12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	263.04 1.76 11.40	9.27
08 71 11 00-1234	EA		12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	274.33 1.76 11.40	9.27
08 71 11 00-1235	EA		12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	287.81 1.76 11.40	9.81
08 71 11 00-1236	EA		12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	299.14 1.76 11.40	9.81
08 71 11 00-1237	EA		12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	310.43 1.76 11.40	9.81
08 71 11 00-1238	EA		14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.88 1.76 11.40	8.72
08 71 11 00-1239	EA		14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.08 1.76 11.40	8.72
08 71 11 00-1240	EA		14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	206.26 1.76 11.40	8.72
08 71 11 00-1241	EA		14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	219.43 1.76 11.40	8.72
08 71 11 00-1242	EA		14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	234.78 1.76 11.40	9.27
08 71 11 00-1243	EA		14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	247.98 1.76 11.40	9.27
08 71 11 00-1244	EA		14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	261.15 1.76 11.40	9.27
08 71 11 00-1245	EA		14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	274.33 1.76 11.40	9.27
08 71 11 00-1246	EA		14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	289.71 1.76 11.40	9.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1247 EA 14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	302.88 1.76 11.40	9.81
08 71 11 00-1248 EA 14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	316.06 1.76 11.40	9.81
08 71 11 00-1249 EA 14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	331.44 1.76 11.40	10.35
08 71 11 00-1250 EA 14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	344.66 1.76 11.40	10.35
08 71 11 00-1251 EA 14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	357.83 1.76 11.40	10.35
08 71 11 00-1252 EA 16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.04 1.76 11.40	8.72
08 71 11 00-1253 EA 16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	271.81 1.76 11.40	8.72
08 71 11 00-1254 EA 16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	291.55 1.76 11.40	8.72
08 71 11 00-1255 EA 16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	311.29 1.76 11.40	8.72
08 71 11 00-1256 EA 16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	333.20 1.76 11.40	9.27
08 71 11 00-1257 EA 16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	352.94 1.76 11.40	9.27
08 71 11 00-1258 EA 16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	372.70 1.76 11.40	9.27
08 71 11 00-1259 EA 16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	392.44 1.76 11.40	9.27
08 71 11 00-1260 EA 16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	414.36 1.76 11.40	9.81
08 71 11 00-1261 EA 16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	434.10 1.76 11.40	9.81
08 71 11 00-1262 EA 16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	453.84 1.76 11.40	9.81
08 71 11 00-1263 EA 16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	475.76 1.76 11.40	10.35
08 71 11 00-1264 EA 16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	495.50 1.76 11.40	10.35
08 71 11 00-1265 EA 16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	515.24 1.76 11.40	10.35
08 71 11 00-1266 EA 18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	278.49 6.30 11.40	8.72
08 71 11 00-1267 EA 18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	300.66 6.30 11.40	8.72
08 71 11 00-1268 EA 18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	322.78 6.30 11.40	8.72
08 71 11 00-1269 EA 18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	344.95 6.30 11.40	8.72
08 71 11 00-1270 EA 18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	369.24 6.30 11.40	9.27
08 71 11 00-1271 EA 18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	391.39 6.30 11.40	9.27
08 71 11 00-1272 EA 18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	413.54 6.30 11.40	9.27
08 71 11 00-1273 EA 18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	435.68 6.30 11.40	9.27
08 71 11 00-1274 EA 18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	459.99 6.30 11.40	9.81

**08 Openings****08 70 Hardware**

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1275	EA	18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....482.15	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1276	EA	18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....504.32	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1277	EA	18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....528.63	10.35	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1278	EA	18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....550.80	10.35	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1279	EA	18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....572.92	10.35	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1280	EA	20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....307.71	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1281	EA	20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....332.36	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1282	EA	20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....356.93	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1283	EA	20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....381.58	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1284	EA	20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....408.33	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1285	EA	20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....432.93	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1286	EA	20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....457.56	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1287	EA	20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....482.15	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1288	EA	20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....508.98	10.35	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1289	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....533.56	10.35	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1290	EA	20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....558.16	10.35	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1291	EA	20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....584.96	10.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1292	EA	20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....609.56	10.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1293	EA	20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....634.18	10.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1294	EA	22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....334.79	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1295	EA	22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....361.88	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1296	EA	22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....388.94	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1297	EA	22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....415.99	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1298	EA	22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....445.27	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1299	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....472.32	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1300	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....499.39	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1301	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....526.45	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1302	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....555.73	10.35	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1303 EA 22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	582.78 6.30 11.40	10.35
08 71 11 00-1304 EA 22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	609.85 6.30 11.40	10.35
08 71 11 00-1305 EA 22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	639.09 6.30 11.40	10.90
08 71 11 00-1306 EA 22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	666.14 6.30 11.40	10.90
08 71 11 00-1307 EA 22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	693.24 6.30 11.40	10.90
08 71 11 00-1308 EA 24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	361.88 6.30 11.40	9.27
08 71 11 00-1309 EA 24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	391.39 6.30 11.40	9.27
08 71 11 00-1310 EA 24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	420.92 6.30 11.40	9.27
08 71 11 00-1311 EA 24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	450.45 6.30 11.40	9.27
08 71 11 00-1312 EA 24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	482.15 6.30 11.40	9.81
08 71 11 00-1313 EA 24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	511.68 6.30 11.40	9.81
08 71 11 00-1314 EA 24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	541.26 6.30 11.40	9.81
08 71 11 00-1315 EA 24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	570.74 6.30 11.40	9.81
08 71 11 00-1316 EA 24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	602.45 6.30 11.40	10.35
08 71 11 00-1317 EA 24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	632.00 6.30 11.40	10.35
08 71 11 00-1318 EA 24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	661.53 6.30 11.40	10.35
08 71 11 00-1319 EA 24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	693.24 6.30 11.40	10.90
08 71 11 00-1320 EA 24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	722.76 6.30 11.40	10.90
08 71 11 00-1321 EA 24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	752.29 6.30 11.40	10.90
<b>08 71 11 00-1322 Satin Nickel Finish, Stainless Kick Plate</b> (08 71 11 00-0940)		
08 71 11 00-1323 EA 8" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.35 1.76 11.40	8.18
08 71 11 00-1324 EA 8" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.01 1.76 11.40	8.18
08 71 11 00-1325 EA 8" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.74 1.76 11.40	8.18
08 71 11 00-1326 EA 8" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.40 1.76 11.40	8.18
08 71 11 00-1327 EA 8" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.32 1.76 11.40	8.72
08 71 11 00-1328 EA 8" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.00 1.76 11.40	8.72
08 71 11 00-1329 EA 8" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.71 1.76 11.40	8.72
08 71 11 00-1330 EA 8" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.39 1.76 11.40	8.72

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1331	EA		8" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.22 1.76 11.40	9.27
08 71 11 00-1332	EA		8" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.95 1.76 11.40	9.27
08 71 11 00-1333	EA		8" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.64 1.76 11.40	9.27
08 71 11 00-1334	EA		8" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	208.52 1.76 11.40	9.81
08 71 11 00-1335	EA		8" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	216.21 1.76 11.40	9.81
08 71 11 00-1336	EA		8" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.91 1.76 11.40	9.81
08 71 11 00-1337	EA		10" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.49 1.76 11.40	8.18
08 71 11 00-1338	EA		10" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.13 1.76 11.40	8.18
08 71 11 00-1339	EA		10" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.72 1.76 11.40	8.18
08 71 11 00-1340	EA		10" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.34 1.76 11.40	8.18
08 71 11 00-1341	EA		10" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.14 1.76 11.40	8.72
08 71 11 00-1342	EA		10" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.78 1.76 11.40	8.72
08 71 11 00-1343	EA		10" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.38 1.76 11.40	8.72
08 71 11 00-1344	EA		10" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	207.99 1.76 11.40	8.72
08 71 11 00-1345	EA		10" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	219.80 1.76 11.40	9.27
08 71 11 00-1346	EA		10" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	229.42 1.76 11.40	9.27
08 71 11 00-1347	EA		10" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	239.01 1.76 11.40	9.27
08 71 11 00-1348	EA		10" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	250.85 1.76 11.40	9.81
08 71 11 00-1349	EA		10" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	260.45 1.76 11.40	9.81
08 71 11 00-1350	EA		10" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	270.06 1.76 11.40	9.81
08 71 11 00-1351	EA		12" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.65 1.76 11.40	8.18
08 71 11 00-1352	EA		12" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.20 1.76 11.40	8.18
08 71 11 00-1353	EA		12" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	182.73 1.76 11.40	8.18
08 71 11 00-1354	EA		12" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.28 1.76 11.40	8.18
08 71 11 00-1355	EA		12" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	207.99 1.76 11.40	8.72
08 71 11 00-1356	EA		12" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	219.56 1.76 11.40	8.72
08 71 11 00-1357	EA		12" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.11 1.76 11.40	8.72
08 71 11 00-1358	EA		12" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	242.64 1.76 11.40	8.72



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1359 EA 12" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.36 1.76 11.40	9.27
08 71 11 00-1360 EA 12" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	267.88 1.76 11.40	9.27
08 71 11 00-1361 EA 12" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	279.41 1.76 11.40	9.27
08 71 11 00-1362 EA 12" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	293.13 1.76 11.40	9.81
08 71 11 00-1363 EA 12" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	304.71 1.76 11.40	9.81
08 71 11 00-1364 EA 12" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	316.23 1.76 11.40	9.81
08 71 11 00-1365 EA 14" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	182.99 1.76 11.40	8.72
08 71 11 00-1366 EA 14" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	196.47 1.76 11.40	8.72
08 71 11 00-1367 EA 14" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.92 1.76 11.40	8.72
08 71 11 00-1368 EA 14" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.38 1.76 11.40	8.72
08 71 11 00-1369 EA 14" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	239.01 1.76 11.40	9.27
08 71 11 00-1370 EA 14" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.49 1.76 11.40	9.27
08 71 11 00-1371 EA 14" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	265.95 1.76 11.40	9.27
08 71 11 00-1372 EA 14" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	279.41 1.76 11.40	9.27
08 71 11 00-1373 EA 14" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	295.07 1.76 11.40	9.81
08 71 11 00-1374 EA 14" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	308.53 1.76 11.40	9.81
08 71 11 00-1375 EA 14" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	321.98 1.76 11.40	9.81
08 71 11 00-1376 EA 14" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	337.64 1.76 11.40	10.35
08 71 11 00-1377 EA 14" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	351.15 1.76 11.40	10.35
08 71 11 00-1378 EA 14" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	364.61 1.76 11.40	10.35
08 71 11 00-1379 EA 16" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.69 1.76 11.40	8.72
08 71 11 00-1380 EA 16" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	276.88 1.76 11.40	8.72
08 71 11 00-1381 EA 16" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	297.04 1.76 11.40	8.72
08 71 11 00-1382 EA 16" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	317.20 1.76 11.40	8.72
08 71 11 00-1383 EA 16" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	339.54 1.76 11.40	9.27
08 71 11 00-1384 EA 16" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	359.70 1.76 11.40	9.27
08 71 11 00-1385 EA 16" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	379.88 1.76 11.40	9.27
08 71 11 00-1386 EA 16" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	400.05 1.76 11.40	9.27

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-1387	EA	16" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	422.39	9.81
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1388	EA	16" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	442.55	9.81
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1389	EA	16" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	462.71	9.81
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1390	EA	16" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	485.06	10.35
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1391	EA	16" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	505.22	10.35
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1392	EA	16" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	525.38	10.35
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1393	EA	18" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	283.70	8.72
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1394	EA	18" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	306.35	8.72
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1395	EA	18" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	328.94	8.72
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1396	EA	18" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	351.59	8.72
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1397	EA	18" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	376.35	9.27
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1398	EA	18" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	398.97	9.27
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1399	EA	18" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	421.59	9.27
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1400	EA	18" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	444.21	9.27
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1401	EA	18" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	468.99	9.81
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1402	EA	18" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	491.63	9.81
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1403	EA	18" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	514.28	9.81
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1404	EA	18" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	539.05	10.35
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1405	EA	18" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	561.70	10.35
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1406	EA	18" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	584.30	10.35
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1407	EA	20" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	313.50	9.27
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1408	EA	20" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	338.68	9.27
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1409	EA	20" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	363.78	9.27
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1410	EA	20" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	388.95	9.27
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1411	EA	20" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	416.23	9.81
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1412	EA	20" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	441.36	9.81
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1413	EA	20" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	466.51	9.81
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1414	EA	20" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	491.63	9.81
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1415 EA 20" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	518.99 6.30 11.40	10.35
08 71 11 00-1416 EA 20" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	544.09 6.30 11.40	10.35
08 71 11 00-1417 EA 20" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	569.22 6.30 11.40	10.35
08 71 11 00-1418 EA 20" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	596.54 6.30 11.40	10.90
08 71 11 00-1419 EA 20" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	621.67 6.30 11.40	10.90
08 71 11 00-1420 EA 20" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	646.82 6.30 11.40	10.90
08 71 11 00-1421 EA 22" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	341.16 6.30 11.40	9.27
08 71 11 00-1422 EA 22" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	368.84 6.30 11.40	9.27
08 71 11 00-1423 EA 22" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	396.47 6.30 11.40	9.27
08 71 11 00-1424 EA 22" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	424.10 6.30 11.40	9.27
08 71 11 00-1425 EA 22" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	453.96 6.30 11.40	9.81
08 71 11 00-1426 EA 22" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	481.59 6.30 11.40	9.81
08 71 11 00-1427 EA 22" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	509.24 6.30 11.40	9.81
08 71 11 00-1428 EA 22" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	536.87 6.30 11.40	9.81
08 71 11 00-1429 EA 22" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	566.73 6.30 11.40	10.35
08 71 11 00-1430 EA 22" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	594.36 6.30 11.40	10.35
08 71 11 00-1431 EA 22" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	622.02 6.30 11.40	10.35
08 71 11 00-1432 EA 22" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	651.83 6.30 11.40	10.90
08 71 11 00-1433 EA 22" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	679.46 6.30 11.40	10.90
08 71 11 00-1434 EA 22" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	707.14 6.30 11.40	10.90
08 71 11 00-1435 EA 24" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	368.84 6.30 11.40	9.27
08 71 11 00-1436 EA 24" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	398.97 6.30 11.40	9.27
08 71 11 00-1437 EA 24" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	429.13 6.30 11.40	9.27
08 71 11 00-1438 EA 24" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	459.29 6.30 11.40	9.27
08 71 11 00-1439 EA 24" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	491.63 6.30 11.40	9.81
08 71 11 00-1440 EA 24" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	521.79 6.30 11.40	9.81
08 71 11 00-1441 EA 24" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	552.00 6.30 11.40	9.81
08 71 11 00-1442 EA 24" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	582.12 6.30 11.40	9.81

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1443	EA		24" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	614.46 6.30 11.40	10.35
08 71 11 00-1444	EA		24" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	644.64 6.30 11.40	10.35
08 71 11 00-1445	EA		24" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	674.80 6.30 11.40	10.35
08 71 11 00-1446	EA		24" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	707.14 6.30 11.40	10.90
08 71 11 00-1447	EA		24" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	737.30 6.30 11.40	10.90
08 71 11 00-1448	EA		24" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	767.46 6.30 11.40	10.90
<b>08 71 11 00-1449     Stainless Base Material Kick Plate (08 71 11 00-0811)</b>					
<b>08 71 11 00-1450     Satin Stainless Finish, Stainless Kick Plate (08 71 11 00-1449)</b>					
08 71 11 00-1451	EA		8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.07 1.76 11.40	8.18
08 71 11 00-1452	EA		8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.41 1.76 11.40	8.18
08 71 11 00-1453	EA		8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.67 1.76 11.40	8.18
08 71 11 00-1454	EA		8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.04 1.76 11.40	8.18
08 71 11 00-1455	EA		8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.52 1.76 11.40	8.72
08 71 11 00-1456	EA		8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.79 1.76 11.40	8.72
08 71 11 00-1457	EA		8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.15 1.76 11.40	8.72
08 71 11 00-1458	EA		8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.44 1.76 11.40	8.72
08 71 11 00-1459	EA		8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.93 1.76 11.40	9.27
08 71 11 00-1460	EA		8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.24 1.76 11.40	9.27
08 71 11 00-1461	EA		8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.53 1.76 11.40	9.27
08 71 11 00-1462	EA		8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.03 1.76 11.40	9.81
08 71 11 00-1463	EA		8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.34 1.76 11.40	9.81
08 71 11 00-1464	EA		8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.64 1.76 11.40	9.81
08 71 11 00-1465	EA		10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.42 1.76 11.40	8.18
08 71 11 00-1466	EA		10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.33 1.76 11.40	8.18
08 71 11 00-1467	EA		10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.22 1.76 11.40	8.18
08 71 11 00-1468	EA		10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.08 1.76 11.40	8.18
08 71 11 00-1469	EA		10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.18 1.76 11.40	8.72
08 71 11 00-1470	EA		10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.07 1.76 11.40	8.72



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1471 EA 10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.94 1.76 11.40	8.72
08 71 11 00-1472 EA 10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.80 1.76 11.40	8.72
08 71 11 00-1473 EA 10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.91 1.76 11.40	9.27
08 71 11 00-1474 EA 10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.77 1.76 11.40	9.27
08 71 11 00-1475 EA 10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.64 1.76 11.40	9.27
08 71 11 00-1476 EA 10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.73 1.76 11.40	9.81
08 71 11 00-1477 EA 10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.62 1.76 11.40	9.81
08 71 11 00-1478 EA 10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.48 1.76 11.40	9.81
08 71 11 00-1479 EA 12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.79 1.76 11.40	8.18
08 71 11 00-1480 EA 12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.25 1.76 11.40	8.18
08 71 11 00-1481 EA 12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.71 1.76 11.40	8.18
08 71 11 00-1482 EA 12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.17 1.76 11.40	8.18
08 71 11 00-1483 EA 12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.80 1.76 11.40	8.72
08 71 11 00-1484 EA 12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.29 1.76 11.40	8.72
08 71 11 00-1485 EA 12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.73 1.76 11.40	8.72
08 71 11 00-1486 EA 12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.21 1.76 11.40	8.72
08 71 11 00-1487 EA 12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.82 1.76 11.40	9.27
08 71 11 00-1488 EA 12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.30 1.76 11.40	9.27
08 71 11 00-1489 EA 12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.79 1.76 11.40	9.27
08 71 11 00-1490 EA 12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.41 1.76 11.40	9.81
08 71 11 00-1491 EA 12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.89 1.76 11.40	9.81
08 71 11 00-1492 EA 12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.33 1.76 11.40	9.81
08 71 11 00-1493 EA 14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.33 1.76 11.40	8.72
08 71 11 00-1494 EA 14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.36 1.76 11.40	8.72
08 71 11 00-1495 EA 14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.42 1.76 11.40	8.72
08 71 11 00-1496 EA 14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.46 1.76 11.40	8.72
08 71 11 00-1497 EA 14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.64 1.76 11.40	9.27
08 71 11 00-1498 EA 14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.70 1.76 11.40	9.27

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1499	EA	14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....105.73	9.27	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1500	EA	14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....109.79	9.27	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1501	EA	14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....116.03	9.81	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1502	EA	14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....120.01	9.81	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1503	EA	14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....124.07	9.81	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1504	EA	14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....130.31	10.35	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1505	EA	14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....134.34	10.35	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1506	EA	14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....138.40	10.35	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1507	EA	16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....89.00	8.72	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1508	EA	16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....94.16	8.72	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1509	EA	16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....99.11	8.72	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1510	EA	16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....104.04	8.72	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1511	EA	16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....111.14	9.27	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1512	EA	16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....116.09	9.27	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1513	EA	16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....121.04	9.27	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1514	EA	16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....125.97	9.27	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1515	EA	16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....133.08	9.81	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1516	EA	16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....138.06	9.81	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1517	EA	16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....143.01	9.81	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1518	EA	16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....150.53	10.35	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1519	EA	16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....155.04	10.35	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1520	EA	16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....160.00	10.35	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1521	EA	18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....94.64	8.72	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1522	EA	18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....100.10	8.72	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1523	EA	18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....105.51	8.72	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1524	EA	18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....110.94	8.72	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1525	EA	18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....118.57	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1526	EA	18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....123.98	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1527 EA 18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.41 6.30 11.40	9.27
08 71 11 00-1528 EA 18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.82 6.30 11.40	9.27
08 71 11 00-1529 EA 18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.46 6.30 11.40	9.81
08 71 11 00-1530 EA 18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.89 6.30 11.40	9.81
08 71 11 00-1531 EA 18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.30 6.30 11.40	9.81
08 71 11 00-1532 EA 18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.94 6.30 11.40	10.35
08 71 11 00-1533 EA 18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.39 6.30 11.40	10.35
08 71 11 00-1534 EA 18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.80 6.30 11.40	10.35
08 71 11 00-1535 EA 20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.46 6.30 11.40	9.27
08 71 11 00-1536 EA 20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.49 6.30 11.40	9.27
08 71 11 00-1537 EA 20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.54 6.30 11.40	9.27
08 71 11 00-1538 EA 20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.55 6.30 11.40	9.27
08 71 11 00-1539 EA 20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.78 6.30 11.40	9.81
08 71 11 00-1540 EA 20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.83 6.30 11.40	9.81
08 71 11 00-1541 EA 20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.84 6.30 11.40	9.81
08 71 11 00-1542 EA 20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.89 6.30 11.40	9.81
08 71 11 00-1543 EA 20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.10 6.30 11.40	10.35
08 71 11 00-1544 EA 20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	162.15 6.30 11.40	10.35
08 71 11 00-1545 EA 20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.20 6.30 11.40	10.35
08 71 11 00-1546 EA 20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.39 6.30 11.40	10.90
08 71 11 00-1547 EA 20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	182.44 6.30 11.40	10.90
08 71 11 00-1548 EA 20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.47 6.30 11.40	10.90
08 71 11 00-1549 EA 22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.09 6.30 11.40	9.27
08 71 11 00-1550 EA 22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.76 6.30 11.40	9.27
08 71 11 00-1551 EA 22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.36 6.30 11.40	9.27
08 71 11 00-1552 EA 22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.03 6.30 11.40	9.27
08 71 11 00-1553 EA 22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.81 6.30 11.40	9.81
08 71 11 00-1554 EA 22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.48 6.30 11.40	9.81

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1555	EA		22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.11 6.30 11.40	9.81
08 71 11 00-1556	EA		22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.76 6.30 11.40	9.81
08 71 11 00-1557	EA		22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.56 6.30 11.40	10.35
08 71 11 00-1558	EA		22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	174.21 6.30 11.40	10.35
08 71 11 00-1559	EA		22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.88 6.30 11.40	10.35
08 71 11 00-1560	EA		22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	189.66 6.30 11.40	10.90
08 71 11 00-1561	EA		22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	196.33 6.30 11.40	10.90
08 71 11 00-1562	EA		22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.93 6.30 11.40	10.90
08 71 11 00-1563	EA		24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.76 6.30 11.40	9.27
08 71 11 00-1564	EA		24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.98 6.30 11.40	9.27
08 71 11 00-1565	EA		24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.24 6.30 11.40	9.27
08 71 11 00-1566	EA		24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.47 6.30 11.40	9.27
08 71 11 00-1567	EA		24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.89 6.30 11.40	9.81
08 71 11 00-1568	EA		24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.13 6.30 11.40	9.81
08 71 11 00-1569	EA		24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	162.38 6.30 11.40	9.81
08 71 11 00-1570	EA		24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.62 6.30 11.40	9.81
08 71 11 00-1571	EA		24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.05 6.30 11.40	10.35
08 71 11 00-1572	EA		24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.29 6.30 11.40	10.35
08 71 11 00-1573	EA		24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.53 6.30 11.40	10.35
08 71 11 00-1574	EA		24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.93 6.30 11.40	10.90
08 71 11 00-1575	EA		24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.20 6.30 11.40	10.90
08 71 11 00-1576	EA		24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	217.47 6.30 11.40	10.90
<b>08 71 11 00-1577</b>			<b>Bright Stainless Finish, Stainless Kick Plate</b> <small>(08 71 11 00-1449)</small>		
08 71 11 00-1578	EA		8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.47 1.76 11.40	8.18
08 71 11 00-1579	EA		8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.92 1.76 11.40	8.18
08 71 11 00-1580	EA		8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.34 1.76 11.40	8.18
08 71 11 00-1581	EA		8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.77 1.76 11.40	8.18
08 71 11 00-1582	EA		8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.38 1.76 11.40	8.72



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1583	EA		8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.84 1.76 11.40	8.72
08 71 11 00-1584	EA		8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.25 1.76 11.40	8.72
08 71 11 00-1585	EA		8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.71 1.76 11.40	8.72
08 71 11 00-1586	EA		8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.27 1.76 11.40	9.27
08 71 11 00-1587	EA		8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.73 1.76 11.40	9.27
08 71 11 00-1588	EA		8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.19 1.76 11.40	9.27
08 71 11 00-1589	EA		8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.78 1.76 11.40	9.81
08 71 11 00-1590	EA		8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.22 1.76 11.40	9.81
08 71 11 00-1591	EA		8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.63 1.76 11.40	9.81
08 71 11 00-1592	EA		10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.41 1.76 11.40	8.18
08 71 11 00-1593	EA		10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.19 1.76 11.40	8.18
08 71 11 00-1594	EA		10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.01 1.76 11.40	8.18
08 71 11 00-1595	EA		10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.80 1.76 11.40	8.18
08 71 11 00-1596	EA		10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.76 1.76 11.40	8.72
08 71 11 00-1597	EA		10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.56 1.76 11.40	8.72
08 71 11 00-1598	EA		10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.38 1.76 11.40	8.72
08 71 11 00-1599	EA		10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.17 1.76 11.40	8.72
08 71 11 00-1600	EA		10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.11 1.76 11.40	9.27
08 71 11 00-1601	EA		10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	172.91 1.76 11.40	9.27
08 71 11 00-1602	EA		10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.73 1.76 11.40	9.27
08 71 11 00-1603	EA		10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.66 1.76 11.40	9.81
08 71 11 00-1604	EA		10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	195.47 1.76 11.40	9.81
08 71 11 00-1605	EA		10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.27 1.76 11.40	9.81
08 71 11 00-1606	EA		12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.34 1.76 11.40	8.18
08 71 11 00-1607	EA		12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.52 1.76 11.40	8.18
08 71 11 00-1608	EA		12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.67 1.76 11.40	8.18
08 71 11 00-1609	EA		12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.83 1.76 11.40	8.18
08 71 11 00-1610	EA		12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.17 1.76 11.40	8.72

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1611	EA		12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.28 1.76 11.40	8.72
08 71 11 00-1612	EA		12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.46 1.76 11.40	8.72
08 71 11 00-1613	EA		12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	181.61 1.76 11.40	8.72
08 71 11 00-1614	EA		12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.94 1.76 11.40	9.27
08 71 11 00-1615	EA		12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	200.09 1.76 11.40	9.27
08 71 11 00-1616	EA		12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	208.22 1.76 11.40	9.27
08 71 11 00-1617	EA		12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	218.58 1.76 11.40	9.81
08 71 11 00-1618	EA		12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	226.71 1.76 11.40	9.81
08 71 11 00-1619	EA		12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	234.86 1.76 11.40	9.81
08 71 11 00-1620	EA		14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.50 1.76 11.40	8.72
08 71 11 00-1621	EA		14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.02 1.76 11.40	8.72
08 71 11 00-1622	EA		14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.53 1.76 11.40	8.72
08 71 11 00-1623	EA		14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.04 1.76 11.40	8.72
08 71 11 00-1624	EA		14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.73 1.76 11.40	9.27
08 71 11 00-1625	EA		14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	189.22 1.76 11.40	9.27
08 71 11 00-1626	EA		14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.73 1.76 11.40	9.27
08 71 11 00-1627	EA		14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	208.22 1.76 11.40	9.27
08 71 11 00-1628	EA		14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	219.94 1.76 11.40	9.81
08 71 11 00-1629	EA		14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	229.45 1.76 11.40	9.81
08 71 11 00-1630	EA		14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.96 1.76 11.40	9.81
08 71 11 00-1631	EA		14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	250.66 1.76 11.40	10.35
08 71 11 00-1632	EA		14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	260.12 1.76 11.40	10.35
08 71 11 00-1633	EA		14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	269.64 1.76 11.40	10.35
08 71 11 00-1634	EA		16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.43 1.76 11.40	8.72
08 71 11 00-1635	EA		16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.28 1.76 11.40	8.72
08 71 11 00-1636	EA		16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.20 1.76 11.40	8.72
08 71 11 00-1637	EA		16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	187.05 1.76 11.40	8.72
08 71 11 00-1638	EA		16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	200.09 1.76 11.40	9.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1639 EA 16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.96 1.76 11.40	9.27
08 71 11 00-1640 EA 16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.81 1.76 11.40	9.27
08 71 11 00-1641 EA 16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	232.68 1.76 11.40	9.27
08 71 11 00-1642 EA 16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	245.74 1.76 11.40	9.81
08 71 11 00-1643 EA 16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.59 1.76 11.40	9.81
08 71 11 00-1644 EA 16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	267.46 1.76 11.40	9.81
08 71 11 00-1645 EA 16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	280.51 1.76 11.40	10.35
08 71 11 00-1646 EA 16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	291.41 1.76 11.40	10.35
08 71 11 00-1647 EA 16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	302.28 1.76 11.40	10.35
08 71 11 00-1648 EA 18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	170.97 6.30 11.40	8.72
08 71 11 00-1649 EA 18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.39 6.30 11.40	8.72
08 71 11 00-1650 EA 18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	195.72 6.30 11.40	8.72
08 71 11 00-1651 EA 18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	208.14 6.30 11.40	8.72
08 71 11 00-1652 EA 18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	222.68 6.30 11.40	9.27
08 71 11 00-1653 EA 18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	235.00 6.30 11.40	9.27
08 71 11 00-1654 EA 18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	247.42 6.30 11.40	9.27
08 71 11 00-1655 EA 18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	266.82 6.30 11.40	9.27
08 71 11 00-1656 EA 18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	274.35 6.30 11.40	9.81
08 71 11 00-1657 EA 18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	286.72 6.30 11.40	9.81
08 71 11 00-1658 EA 18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	299.09 6.30 11.40	9.81
08 71 11 00-1659 EA 18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	313.64 6.30 11.40	10.35
08 71 11 00-1660 EA 18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	326.02 6.30 11.40	10.35
08 71 11 00-1661 EA 18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	338.39 6.30 11.40	10.35
08 71 11 00-1662 EA 20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.30 6.30 11.40	9.27
08 71 11 00-1663 EA 20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.03 6.30 11.40	9.27
08 71 11 00-1664 EA 20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	215.79 6.30 11.40	9.27
08 71 11 00-1665 EA 20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	229.52 6.30 11.40	9.27
08 71 11 00-1666 EA 20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	245.45 6.30 11.40	9.81

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-1667	EA	20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	259.23 6.30 11.40	9.81
08 71 11 00-1668	EA	20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	272.94 6.30 11.40	9.81
08 71 11 00-1669	EA	20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	286.72 6.30 11.40	9.81
08 71 11 00-1670	EA	20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	302.61 6.30 11.40	10.35
08 71 11 00-1671	EA	20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	316.38 6.30 11.40	10.35
08 71 11 00-1672	EA	20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	330.14 6.30 11.40	10.35
08 71 11 00-1673	EA	20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	346.05 6.30 11.40	10.90
08 71 11 00-1674	EA	20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	359.80 6.30 11.40	10.90
08 71 11 00-1675	EA	20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	373.54 6.30 11.40	10.90
08 71 11 00-1676	EA	22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	203.42 6.30 11.40	9.27
08 71 11 00-1677	EA	22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	218.53 6.30 11.40	9.27
08 71 11 00-1678	EA	22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.64 6.30 11.40	9.27
08 71 11 00-1679	EA	22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	248.76 6.30 11.40	9.27
08 71 11 00-1680	EA	22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	266.08 6.30 11.40	9.81
08 71 11 00-1681	EA	22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	281.21 6.30 11.40	9.81
08 71 11 00-1682	EA	22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	296.35 6.30 11.40	9.81
08 71 11 00-1683	EA	22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	311.46 6.30 11.40	9.81
08 71 11 00-1684	EA	22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	328.76 6.30 11.40	10.35
08 71 11 00-1685	EA	22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	343.87 6.30 11.40	10.35
08 71 11 00-1686	EA	22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	358.98 6.30 11.40	10.35
08 71 11 00-1687	EA	22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	376.28 6.30 11.40	10.90
08 71 11 00-1688	EA	22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	391.44 6.30 11.40	10.90
08 71 11 00-1689	EA	22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	406.55 6.30 11.40	10.90
08 71 11 00-1690	EA	24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	218.53 6.30 11.40	9.27
08 71 11 00-1691	EA	24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	235.00 6.30 11.40	9.27
08 71 11 00-1692	EA	24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.52 6.30 11.40	9.27
08 71 11 00-1693	EA	24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	268.02 6.30 11.40	9.27
08 71 11 00-1694	EA	24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	286.72 6.30 11.40	9.81



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1695	EA		24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	303.19 6.30 11.40	9.81
08 71 11 00-1696	EA		24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	319.69 6.30 11.40	9.81
08 71 11 00-1697	EA		24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	336.21 6.30 11.40	9.81
08 71 11 00-1698	EA		24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	354.88 6.30 11.40	10.35
08 71 11 00-1699	EA		24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	371.36 6.30 11.40	10.35
08 71 11 00-1700	EA		24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	387.88 6.30 11.40	10.35
08 71 11 00-1701	EA		24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	406.55 6.30 11.40	10.90
08 71 11 00-1702	EA		24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	423.07 6.30 11.40	10.90
08 71 11 00-1703	EA		24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	439.54 6.30 11.40	10.90

08 71 11 00-1704

Plastic Kick Plate (08 71 11 00-0811)

08 71 11 00-1705

Clear Or Black Finish, Plastic Kick Plate (08 71 11 00-1704)

Note: With four beveled edges.

08 71 11 00-1706	EA	8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	51.53	8.18
08 71 11 00-1707	EA	8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	53.21	8.18
08 71 11 00-1708	EA	8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	54.96	8.18
08 71 11 00-1709	EA	8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	56.67	8.18
08 71 11 00-1710	EA	8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	60.58	8.72
08 71 11 00-1711	EA	8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	62.29	8.72
08 71 11 00-1712	EA	8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	63.97	8.72
08 71 11 00-1713	EA	8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	65.72	8.72
08 71 11 00-1714	EA	8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	71.67	9.27
08 71 11 00-1715	EA	8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	71.28	9.27
08 71 11 00-1716	EA	8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	73.03	9.27
08 71 11 00-1717	EA	8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	76.91	9.81
08 71 11 00-1718	EA	8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	78.64	9.81
08 71 11 00-1719	EA	8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	80.34	9.81
08 71 11 00-1720	EA	10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	56.23	8.18
08 71 11 00-1721	EA	10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	58.39	8.18
08 71 11 00-1722	EA	10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	60.51	8.18
08 71 11 00-1723	EA	10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	62.64	8.18
08 71 11 00-1724	EA	10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	66.99	8.72
08 71 11 00-1725	EA	10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	69.11	8.72
08 71 11 00-1726	EA	10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	71.27	8.72
08 71 11 00-1727	EA	10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	73.39	8.72
08 71 11 00-1728	EA	10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	77.73	9.27
08 71 11 00-1729	EA	10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	79.85	9.27
08 71 11 00-1730	EA	10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	82.01	9.27
08 71 11 00-1731	EA	10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	86.31	9.81
08 71 11 00-1732	EA	10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	88.47	9.81
08 71 11 00-1733	EA	10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	90.59	9.81
08 71 11 00-1734	EA	12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	60.95	8.18
08 71 11 00-1735	EA	12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	63.53	8.18
08 71 11 00-1736	EA	12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	66.07	8.18
08 71 11 00-1737	EA	12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	68.67	8.18
08 71 11 00-1738	EA	12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	73.39	8.72
08 71 11 00-1739	EA	12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	75.99	8.72
08 71 11 00-1740	EA	12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	78.57	8.72
08 71 11 00-1741	EA	12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	81.13	8.72
08 71 11 00-1742	EA	12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	85.84	9.27
08 71 11 00-1743	EA	12" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	88.41	9.27
08 71 11 00-1744	EA	12" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	91.01	9.27
08 71 11 00-1745	EA	12" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	95.73	9.81
08 71 11 00-1746	EA	12" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	98.33	9.81
08 71 11 00-1747	EA	12" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	100.87	9.81
08 71 11 00-1748	EA	14" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	67.84	8.72
08 71 11 00-1749	EA	14" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	70.86	8.72
08 71 11 00-1750	EA	14" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	73.83	8.72
08 71 11 00-1751	EA	14" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	76.84	8.72
08 71 11 00-1752	EA	14" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	82.01	9.27
08 71 11 00-1753	EA	14" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	84.98	9.27
08 71 11 00-1754	EA	14" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	88.00	9.27
08 71 11 00-1755	EA	14" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	91.01	9.27

**08 Openings****08 70 Hardware****08 71 Door Hardware**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-1756	EA	14" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	96.17	9.81
08 71 11 00-1757	EA	14" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	99.18	9.81
08 71 11 00-1758	EA	14" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	102.18	9.81
08 71 11 00-1759	EA	14" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	107.33	10.35
08 71 11 00-1760	EA	14" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	110.35	10.35
08 71 11 00-1761	EA	14" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	113.32	10.35
08 71 11 00-1762	EA	16" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	78.20	8.72
08 71 11 00-1763	EA	16" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	82.15	8.72
08 71 11 00-1764	EA	16" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	86.04	8.72
08 71 11 00-1765	EA	16" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	89.99	8.72
08 71 11 00-1766	EA	16" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	96.11	9.27
08 71 11 00-1767	EA	16" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	100.04	9.27
08 71 11 00-1768	EA	16" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	103.99	9.27
08 71 11 00-1769	EA	16" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	107.90	9.27
08 71 11 00-1770	EA	16" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	114.03	9.81
08 71 11 00-1771	EA	16" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	117.96	9.81
08 71 11 00-1772	EA	16" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	121.91	9.81
08 71 11 00-1773	EA	16" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	128.04	10.35
08 71 11 00-1774	EA	16" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	131.93	10.35
08 71 11 00-1775	EA	16" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	135.88	10.35
08 71 11 00-1776	EA	18" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	83.58	8.72
08 71 11 00-1777	EA	18" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	88.03	8.72
08 71 11 00-1778	EA	18" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	92.44	8.72
08 71 11 00-1779	EA	18" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	96.89	8.72
08 71 11 00-1780	EA	18" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	201.79	9.27
08 71 11 00-1781	EA	18" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	107.90	9.27
08 71 11 00-1782	EA	18" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	112.35	9.27
08 71 11 00-1783	EA	18" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	116.76	9.27
08 71 11 00-1784	EA	18" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	123.39	9.81
08 71 11 00-1785	EA	18" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	127.82	9.81
08 71 11 00-1786	EA	18" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	132.23	9.81
08 71 11 00-1787	EA	18" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	138.86	10.35
08 71 11 00-1788	EA	18" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	143.27	10.35
08 71 11 00-1789	EA	18" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	147.72	10.35
08 71 11 00-1790	EA	20" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	91.18	9.27
08 71 11 00-1791	EA	20" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	96.11	9.27
08 71 11 00-1792	EA	20" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	101.02	9.27
08 71 11 00-1793	EA	20" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	105.94	9.27
08 71 11 00-1794	EA	20" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	113.05	9.81
08 71 11 00-1795	EA	20" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	117.96	9.81
08 71 11 00-1796	EA	20" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	122.89	9.81
08 71 11 00-1797	EA	20" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	127.82	9.81
08 71 11 00-1798	EA	20" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	134.91	10.35
08 71 11 00-1799	EA	20" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	139.83	10.35
08 71 11 00-1800	EA	20" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	144.74	10.35
08 71 11 00-1801	EA	20" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	151.85	10.90
08 71 11 00-1802	EA	20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	156.78	10.90
08 71 11 00-1803	EA	20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	161.69	10.90
08 71 11 00-1804	EA	22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	96.61	9.27
08 71 11 00-1805	EA	22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	101.99	9.27
08 71 11 00-1806	EA	22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	107.42	9.27
08 71 11 00-1807	EA	22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	112.81	9.27
08 71 11 00-1808	EA	22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	120.44	9.81
08 71 11 00-1809	EA	22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	125.86	9.81
08 71 11 00-1810	EA	22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	131.25	9.81
08 71 11 00-1811	EA	22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	136.68	9.81
08 71 11 00-1812	EA	22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	144.24	10.35
08 71 11 00-1813	EA	22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	149.67	10.35
08 71 11 00-1814	EA	22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	155.10	10.35
08 71 11 00-1815	EA	22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	162.66	10.90
08 71 11 00-1816	EA	22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	168.09	10.90
08 71 11 00-1817	EA	22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	173.48	10.90
08 71 11 00-1818	EA	24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	101.99	9.27
08 71 11 00-1819	EA	24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	107.90	9.27
08 71 11 00-1820	EA	24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	113.83	9.27
08 71 11 00-1821	EA	24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	119.73	9.27
08 71 11 00-1822	EA	24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	127.82	9.81
08 71 11 00-1823	EA	24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	133.70	9.81
08 71 11 00-1824	EA	24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	139.61	9.81
08 71 11 00-1825	EA	24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	145.54	9.81
08 71 11 00-1826	EA	24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	153.62	10.35
08 71 11 00-1827	EA	24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	159.51	10.35
08 71 11 00-1828	EA	24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	165.41	10.35
08 71 11 00-1829	EA	24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	173.48	10.90
08 71 11 00-1830	EA	24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	179.42	10.90
08 71 11 00-1831	EA	24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	185.33	10.90

08 71 11 00-1832 Mop Plate (08 71 11 00-0810)  
Note: Ives 8400.

08 71 11 00-1833 Aluminum Base Material Mop Plate (08 71 11 00-1832)





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 71 11 00-1834 Satin Aluminum Finish, Aluminum Mop Plate</b> <small>(08 71 11 00-1833)</small>		
08 71 11 00-1835 EA 4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	44.99	7.96
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1836 EA 4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	46.22	7.96
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1837 EA 4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	47.40	7.96
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1838 EA 4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	48.63	7.96
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1839 EA 4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	51.16	8.28
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1840 EA 4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	52.34	8.28
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1841 EA 4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	53.57	8.28
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1842 EA 4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	54.75	8.28
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1843 EA 4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	57.84	8.72
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1844 EA 4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	59.04	8.72
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1845 EA 4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	60.24	8.72
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1846 EA 4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	63.62	9.27
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1847 EA 4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	64.84	9.27
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1848 EA 4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	66.02	9.27
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1849 EA 6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	51.63	7.96
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1850 EA 6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	53.44	7.96
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1851 EA 6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	55.27	7.96
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1852 EA 6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	57.07	7.96
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1853 EA 6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	60.21	8.28
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1854 EA 6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	61.99	8.28
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1855 EA 6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	63.84	8.28
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1856 EA 6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	65.63	8.28
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1857 EA 6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	69.31	8.72
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1858 EA 6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	71.12	8.72
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1859 EA 6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	72.95	8.72
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1860 EA 6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	76.92	9.27
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1861 EA 6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	78.75	9.27
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1862 EA 6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	80.53	9.27
<i>For Four Beveled Edges, Add</i>	1.76	
<i>For UL Label (Fire Rated), Add</i>	11.40	

**08 Openings****08 70 Hardware**

08 71 Door Hardware

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1863	Brass Base Material Mop Plate (08 71 11 00-1832)		
08 71 11 00-1864	Bright/Satin Brass Finish, Brass Mop Plate (08 71 11 00-1863)		
08 71 11 00-1865	EA 4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	70.73	7.96
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1866	EA 4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	74.31	7.96
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1867	EA 4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	77.85	7.96
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1868	EA 4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	81.41	7.96
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1869	EA 4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	86.26	8.28
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1870	EA 4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	89.80	8.28
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1871	EA 4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	93.36	8.28
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1872	EA 4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	96.90	8.28
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1873	EA 4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	102.32	8.72
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1874	EA 4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	105.86	8.72
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1875	EA 4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	109.40	8.72
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1876	EA 4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	115.13	9.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1877	EA 4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	118.67	9.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1878	EA 4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	122.25	9.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1879	EA 6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	90.28	7.96
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1880	EA 6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	95.59	7.96
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1881	EA 6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	100.92	7.96
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1882	EA 6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	106.23	7.96
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1883	EA 6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	112.87	8.28
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1884	EA 6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	118.22	8.28
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1885	EA 6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	123.51	8.28
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1886	EA 6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	128.86	8.28
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1887	EA 6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	136.00	8.72
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1888	EA 6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	141.36	8.72
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1889	EA 6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	146.69	8.72
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1890	EA 6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	154.17	9.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1891 EA 6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.50 1.76 11.40	9.27
08 71 11 00-1892 EA 6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.81 1.76 11.40	9.27
<b>08 71 11 00-1893 Bright/Satin Chrome Finish, Stainless Mop Plate</b> <small>(08 71 11 00-1863)</small>		
08 71 11 00-1894 EA 4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.62 1.76 11.40	7.96
08 71 11 00-1895 EA 4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.51 1.76 11.40	7.96
08 71 11 00-1896 EA 4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.41 1.76 11.40	7.96
08 71 11 00-1897 EA 4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.32 1.76 11.40	7.96
08 71 11 00-1898 EA 4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.51 1.76 11.40	8.28
08 71 11 00-1899 EA 4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.41 1.76 11.40	8.28
08 71 11 00-1900 EA 4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.32 1.76 11.40	8.28
08 71 11 00-1901 EA 4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.20 1.76 11.40	8.28
08 71 11 00-1902 EA 4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.97 1.76 11.40	8.72
08 71 11 00-1903 EA 4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.90 1.76 11.40	8.72
08 71 11 00-1904 EA 4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.80 1.76 11.40	8.72
08 71 11 00-1905 EA 4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.88 1.76 11.40	9.27
08 71 11 00-1906 EA 4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.76 1.76 11.40	9.27
08 71 11 00-1907 EA 4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.66 1.76 11.40	9.27
08 71 11 00-1908 EA 6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.07 1.76 11.40	7.96
08 71 11 00-1909 EA 6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.89 1.76 11.40	7.96
08 71 11 00-1910 EA 6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.76 1.76 11.40	7.96
08 71 11 00-1911 EA 6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.63 1.76 11.40	7.96
08 71 11 00-1912 EA 6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.76 1.76 11.40	8.28
08 71 11 00-1913 EA 6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.63 1.76 11.40	8.28
08 71 11 00-1914 EA 6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.46 1.76 11.40	8.28
08 71 11 00-1915 EA 6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.33 1.76 11.40	8.28
08 71 11 00-1916 EA 6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.06 1.76 11.40	8.72
08 71 11 00-1917 EA 6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.88 1.76 11.40	8.72
08 71 11 00-1918 EA 6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.75 1.76 11.40	8.72

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1919	EA		6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.74 1.76 11.40	9.27
08 71 11 00-1920	EA		6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.61 1.76 11.40	9.27
08 71 11 00-1921	EA		6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	177.46 1.76 11.40	9.27
<b>08 71 11 00-1922</b>			<b>Satin/Dark Bronze Finish, Brass Mop Plate</b> (08 71 11 00-1863)		
08 71 11 00-1923	EA		4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.32 1.76 11.40	7.96
08 71 11 00-1924	EA		4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.28 1.76 11.40	7.96
08 71 11 00-1925	EA		4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.25 1.76 11.40	7.96
08 71 11 00-1926	EA		4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.20 1.76 11.40	7.96
08 71 11 00-1927	EA		4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.49 1.76 11.40	8.28
08 71 11 00-1928	EA		4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.46 1.76 11.40	8.28
08 71 11 00-1929	EA		4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.44 1.76 11.40	8.28
08 71 11 00-1930	EA		4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.41 1.76 11.40	8.28
08 71 11 00-1931	EA		4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.20 1.76 11.40	8.72
08 71 11 00-1932	EA		4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.18 1.76 11.40	8.72
08 71 11 00-1933	EA		4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.15 1.76 11.40	8.72
08 71 11 00-1934	EA		4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.30 1.76 11.40	9.27
08 71 11 00-1935	EA		4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.27 1.76 11.40	9.27
08 71 11 00-1936	EA		4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.20 1.76 11.40	9.27
08 71 11 00-1937	EA		6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.12 1.76 11.40	7.96
08 71 11 00-1938	EA		6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.10 1.76 11.40	7.96
08 71 11 00-1939	EA		6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.04 1.76 11.40	7.96
08 71 11 00-1940	EA		6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.56 1.76 11.40	7.96
08 71 11 00-1941	EA		6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.23 1.76 11.40	8.28
08 71 11 00-1942	EA		6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.17 1.76 11.40	8.28
08 71 11 00-1943	EA		6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.11 1.76 11.40	8.28
08 71 11 00-1944	EA		6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.05 1.76 11.40	8.28
08 71 11 00-1945	EA		6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.90 1.76 11.40	8.72
08 71 11 00-1946	EA		6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.84 1.76 11.40	8.72



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1947 EA 6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.78 1.76 11.40	8.72
08 71 11 00-1948 EA 6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.89 1.76 11.40	9.27
08 71 11 00-1949 EA 6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.83 1.76 11.40	9.27
08 71 11 00-1950 EA 6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.77 1.76 11.40	9.27
<b>08 71 11 00-1951 Satin Nickel Finish, Stainless Mop Plate</b> <small>(08 71 11 00-1863)</small>		
08 71 11 00-1952 EA 4" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.13 1.76 11.40	7.96
08 71 11 00-1953 EA 4" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.13 1.76 11.40	7.96
08 71 11 00-1954 EA 4" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.19 1.76 11.40	7.96
08 71 11 00-1955 EA 4" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.23 1.76 11.40	7.96
08 71 11 00-1956 EA 4" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.59 1.76 11.40	8.28
08 71 11 00-1957 EA 4" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.61 1.76 11.40	8.28
08 71 11 00-1958 EA 4" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.65 1.76 11.40	8.28
08 71 11 00-1959 EA 4" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.69 1.76 11.40	8.28
08 71 11 00-1960 EA 4" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.62 1.76 11.40	8.72
08 71 11 00-1961 EA 4" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.64 1.76 11.40	8.72
08 71 11 00-1962 EA 4" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.66 1.76 11.40	8.72
08 71 11 00-1963 EA 4" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.89 1.76 11.40	9.27
08 71 11 00-1964 EA 4" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.93 1.76 11.40	9.27
08 71 11 00-1965 EA 4" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.93 1.76 11.40	9.27
08 71 11 00-1966 EA 6" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.33 1.76 11.40	7.96
08 71 11 00-1967 EA 6" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.38 1.76 11.40	7.96
08 71 11 00-1968 EA 6" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.43 1.76 11.40	7.96
08 71 11 00-1969 EA 6" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.49 1.76 11.40	7.96
08 71 11 00-1970 EA 6" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.85 1.76 11.40	8.28
08 71 11 00-1971 EA 6" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.90 1.76 11.40	8.28
08 71 11 00-1972 EA 6" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.95 1.76 11.40	8.28
08 71 11 00-1973 EA 6" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.03 1.76 11.40	8.28
08 71 11 00-1974 EA 6" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.94 1.76 11.40	8.72

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1975	EA		6" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	156.01	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1976	EA		6" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	162.07	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1977	EA		6" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	170.29	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1978	EA		6" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	176.34	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1979	EA		6" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	182.42	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
<b>08 71 11 00-1980</b>			<b>Stainless Base Material Mop Plate</b> <small>(08 71 11 00-1932)</small>		
<b>08 71 11 00-1981</b>			<b>Satin Stainless Finish, Stainless Mop Plate</b> <small>(08 71 11 00-1980)</small>		
08 71 11 00-1982	EA		4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	46.16	7.96
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1983	EA		4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	47.44	7.96
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1984	EA		4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	48.76	7.96
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1985	EA		4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	50.06	7.96
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1986	EA		4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	52.70	8.28
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1987	EA		4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	54.02	8.28
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1988	EA		4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	55.30	8.28
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1989	EA		4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	56.62	8.28
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1990	EA		4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	59.78	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1991	EA		4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	61.11	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1992	EA		4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	62.43	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1993	EA		4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	65.88	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1994	EA		4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	67.21	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1995	EA		4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	68.51	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1996	EA		6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	53.33	7.96
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1997	EA		6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	55.31	7.96
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1998	EA		6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	57.28	7.96
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1999	EA		6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	59.26	7.96
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2000	EA		6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	62.51	8.28
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2001	EA		6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	64.48	8.28
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2002	EA		6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	66.46	8.28
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2003 EA 6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.43 1.76 11.40	8.28
08 71 11 00-2004 EA 6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.27 1.76 11.40	8.72
08 71 11 00-2005 EA 6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.21 1.76 11.40	8.72
08 71 11 00-2006 EA 6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.17 1.76 11.40	8.72
08 71 11 00-2007 EA 6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.33 1.76 11.40	9.27
08 71 11 00-2008 EA 6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.27 1.76 11.40	9.27
08 71 11 00-2009 EA 6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.26 1.76 11.40	9.27
<b>08 71 11 00-2010 Bright Stainless Finish, Stainless Mop Plate</b> <small>(08 71 11 00-1980)</small>		
08 71 11 00-2011 EA 4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.34 1.76 11.40	7.96
08 71 11 00-2012 EA 4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.24 1.76 11.40	7.96
08 71 11 00-2013 EA 4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.13 1.76 11.40	7.96
08 71 11 00-2014 EA 4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.97 1.76 11.40	7.96
08 71 11 00-2015 EA 4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.18 1.76 11.40	8.28
08 71 11 00-2016 EA 4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.05 1.76 11.40	8.28
08 71 11 00-2017 EA 4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.94 1.76 11.40	8.28
08 71 11 00-2018 EA 4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.83 1.76 11.40	8.28
08 71 11 00-2019 EA 4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.54 1.76 11.40	8.72
08 71 11 00-2020 EA 4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.43 1.76 11.40	8.72
08 71 11 00-2021 EA 4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.32 1.76 11.40	8.72
08 71 11 00-2022 EA 4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.36 1.76 11.40	9.27
08 71 11 00-2023 EA 4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.25 1.76 11.40	9.27
08 71 11 00-2024 EA 4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.10 1.76 11.40	9.27
08 71 11 00-2025 EA 6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.16 1.76 11.40	7.96
08 71 11 00-2026 EA 6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.52 1.76 11.40	7.96
08 71 11 00-2027 EA 6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.84 1.76 11.40	7.96
08 71 11 00-2028 EA 6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.15 1.76 11.40	7.96
08 71 11 00-2029 EA 6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.76 1.76 11.40	8.28
08 71 11 00-2030 EA 6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.07 1.76 11.40	8.28

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2031	EA		6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.39 1.76 11.40	8.28
08 71 11 00-2032	EA		6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.70 1.76 11.40	8.28
08 71 11 00-2033	EA		6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.90 1.76 11.40	8.72
08 71 11 00-2034	EA		6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.22 1.76 11.40	8.72
08 71 11 00-2035	EA		6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.53 1.76 11.40	8.72
08 71 11 00-2036	EA		6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.02 1.76 11.40	9.27
08 71 11 00-2037	EA		6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.31 1.76 11.40	9.27
08 71 11 00-2038	EA		6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.63 1.76 11.40	9.27
08 71 11 00-2039			<b>Plastic Mop Plate</b> <small>(08 71 11 00-1932)</small>		
08 71 11 00-2040			<b>Clear Or Black Finish, Plastic Mop Plate</b> <small>(08 71 11 00-2039)</small> Note: With four beveled edges.		
08 71 11 00-2041	EA		4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	44.33	7.96
08 71 11 00-2042	EA		4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	45.48	7.96
08 71 11 00-2043	EA		4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	46.64	7.96
08 71 11 00-2044	EA		4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	47.79	7.96
08 71 11 00-2045	EA		4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	50.24	8.28
08 71 11 00-2046	EA		4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	51.38	8.28
08 71 11 00-2047	EA		4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	52.53	8.28
08 71 11 00-2048	EA		4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	53.69	8.28
08 71 11 00-2049	EA		4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	56.70	8.72
08 71 11 00-2050	EA		4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	57.84	8.72
08 71 11 00-2051	EA		4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	58.98	8.72
08 71 11 00-2052	EA		4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	62.30	9.27
08 71 11 00-2053	EA		4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	63.46	9.27
08 71 11 00-2054	EA		4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	64.61	9.27
08 71 11 00-2055	EA		6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	50.64	7.96
08 71 11 00-2056	EA		6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	52.38	7.96
08 71 11 00-2057	EA		6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	54.10	7.96
08 71 11 00-2058	EA		6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	55.81	7.96
08 71 11 00-2059	EA		6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	58.86	8.28
08 71 11 00-2060	EA		6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	60.58	8.28
08 71 11 00-2061	EA		6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	62.29	8.28
08 71 11 00-2062	EA		6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	64.01	8.28
08 71 11 00-2063	EA		6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	67.61	8.72
08 71 11 00-2064	EA		6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	69.32	8.72
08 71 11 00-2065	EA		6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	71.04	8.72
08 71 11 00-2066	EA		6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	74.94	9.27
08 71 11 00-2067	EA		6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	76.66	9.27





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2068	EA		6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	78.37	9.27
<b>08 71 11 00-2069</b>			<b>Armor Door Plate</b> (08 71 11 00-0810) Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.		
08 71 11 00-2070	SF		4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate .....	24.76	1.36
08 71 11 00-2071	SF		>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate .....	23.56	1.07
08 71 11 00-2072	SF		4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate .....	27.18	1.36
08 71 11 00-2073	SF		>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate .....	25.98	1.07
08 71 11 00-2074	SF		4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate .....	54.94	1.36
08 71 11 00-2075	SF		>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate .....	53.74	1.07
<b>08 71 11 00-2076</b>			<b>Pull Handle And Plates</b> (08 71 11 00-0810)		
<b>08 71 11 00-2077</b>			<b>Pull Handle</b> (08 71 11 00-2076)		
08 71 11 00-2078	EA		3/4" Diameter, 6" Center to Center, Aluminum Door Pulls (Ives 8102HD-6)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	55.43 8.18 11.10	8.99
08 71 11 00-2079	EA		3/4" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8102HD-8)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	57.96 9.24 12.54	8.99
08 71 11 00-2080	EA		3/4" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8102HD-10)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	61.94 10.91 14.81	8.99
08 71 11 00-2081	EA		1" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8103HD-8)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	64.15 11.84 16.07	8.99
08 71 11 00-2082	EA		1" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8103HD-10)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	68.15 13.52 18.35	8.99
08 71 11 00-2083	EA		1" Diameter, 12" Center to Center, Aluminum Door Pulls (Ives 8103HD-12)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	73.32 15.69 21.30	8.99
08 71 11 00-2084	EA		1" Flattened x 1/2" Round, 6" Center To Center, Aluminum Door Pulls (Ives 8105-6)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	58.15 9.32 12.65	8.99
08 71 11 00-2085	EA		1" Flattened x 1/2" Round, 8" Center To Center, Aluminum Door Pulls (Ives 8105-8)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	63.66 11.63 15.79	8.99
08 71 11 00-2086	EA		1" Flattened x 1/2" Round, 10" Center To Center, Aluminum Door Pulls (Ives 8105-10)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	64.57 12.02 16.31	8.99
08 71 11 00-2087	EA		1" Diameter, 8" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-8) ..... <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	120.25 15.93 14.67	8.99
08 71 11 00-2088	EA		1" Diameter, 10" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-10) ..... <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	123.66 16.58 15.26	8.99
08 71 11 00-2089	EA		1" Diameter, 12" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-12) ..... <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	130.52 17.87 16.45	8.99
08 71 11 00-2090	EA		1" Diameter, 18" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-18) ..... <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	170.23 25.38 23.36	8.99
<b>08 71 11 00-2091</b>			<b>Pull Plate</b> (08 71 11 00-2076)		
08 71 11 00-2092	EA		3-1/2" x 15" Aluminum Pull Plate Door Hardware (Ives 8302) ..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	82.74 32.75 41.63	6.81
08 71 11 00-2093	EA		4" x 16" Aluminum Pull Plate Door Hardware (Ives 8302) ..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	84.67 33.88 43.07	6.81
08 71 11 00-2094	EA		6" x 16" Aluminum Pull Plate Door Hardware (Ives 8302) ..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	89.07 36.48 46.37	6.81
08 71 11 00-2095	EA		7-1/4" x 11" Stainless Steel Vandal Resistant Pull Handle (Ives VR900)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i> <i>For Owner Furnished Material, Deduct</i>	320.68 173.13 220.08 -293.44	6.81
<b>08 71 11 00-2096</b>			<b>Push Bars And Plates</b> (08 71 11 00-0810)		
<b>08 71 11 00-2097</b>			<b>Push Bars</b> (08 71 11 00-2096)		
08 71 11 00-2098	EA		3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate..... Note: Up to 34" wide. All finishes.	220.91	6.81
08 71 11 00-2099	EA		3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide..... <i>For Brass Push Bar, Add</i>	215.18 32.70	6.81
08 71 11 00-2100	EA		1" Diameter Stainless Steel Push Bar, Up To 34" Wide..... <i>For Brass Push Bar, Add</i>	223.06 34.07	6.81

08	<b>08</b>	<b>Openings</b>
	08 70	Hardware
	08 71	Door Hardware



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2101 EA 1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide..... <i>For Brass Push Bar, Add</i>	418.89 68.15	6.81
<b>08 71 11 00-2102 Push Plates</b> <small>(08 71 11 00-2096)</small>		
<b>08 71 11 00-2103 Aluminum Push Plates</b> <small>(08 71 11 00-2102)</small>		
<b>08 71 11 00-2104 Clear Anodized Finish, Aluminum Push Plates</b> <small>(08 71 11 00-2103)</small> Note: Ives 8200 Series.		
08 71 11 00-2105 EA 3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware .....	41.18	6.81
08 71 11 00-2106 EA 4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware .....	41.18	6.81
08 71 11 00-2107 EA 6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware .....	41.18	6.81
08 71 11 00-2108 EA 8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware .....	44.71	6.81
<b>08 71 11 00-2109 Stainless Steel Push Plates</b> <small>(08 71 11 00-2102)</small>		
<b>08 71 11 00-2110 Satin Finish, Stainless Steel Push Plates</b> <small>(08 71 11 00-2109)</small> Note: Ives 8200 Series.		
08 71 11 00-2111 EA 3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware .....	41.18	6.81
08 71 11 00-2112 EA 4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware .....	43.90	6.81
08 71 11 00-2113 EA 6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware .....	50.09	6.81
08 71 11 00-2114 EA 8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware .....	59.26	6.81
<b>08 71 11 00-2115 Brass Push Plates</b> <small>(08 71 11 00-2102)</small>		
<b>08 71 11 00-2116 Bright/Satin Brass Finish, Brass Push Plates</b> <small>(08 71 11 00-2115)</small> Note: Ives 8200 Series.		
08 71 11 00-2117 EA 3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware .....	49.47	6.81
08 71 11 00-2118 EA 4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware .....	56.43	6.81
08 71 11 00-2119 EA 6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware .....	73.20	6.81
08 71 11 00-2120 EA 8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware .....	84.22	6.81
<b>08 71 11 00-2121 Bright/Satin Chrome Finish, Brass Push Plates</b> <small>(08 71 11 00-2115)</small> Note: Ives 8200 Series.		
08 71 11 00-2122 EA 3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware .....	55.04	6.81
08 71 11 00-2123 EA 4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware .....	60.70	6.81
08 71 11 00-2124 EA 6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware .....	76.06	6.81
08 71 11 00-2125 EA 8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware .....	91.21	6.81
<b>08 71 11 00-2126 Satin/Dark Bronze Finish, Brass Push Plates</b> <small>(08 71 11 00-2115)</small> Note: Ives 8200 Series.		
08 71 11 00-2127 EA 3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	55.04	6.81
08 71 11 00-2128 EA 4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	60.70	6.81
08 71 11 00-2129 EA 6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	78.77	6.81
08 71 11 00-2130 EA 8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	92.72	6.81
<b>08 71 11 00-2131 Satin Nickel Finish, Brass Push Plates</b> <small>(08 71 11 00-2115)</small> Note: Ives 8200 Series.		
08 71 11 00-2132 EA 3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware .....	55.04	6.81
08 71 11 00-2133 EA 4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware .....	62.11	6.81
08 71 11 00-2134 EA 6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware .....	83.06	6.81
08 71 11 00-2135 EA 8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware .....	97.01	6.81
<b>08 71 11 00-2136 Anti-Vandal Pull</b> <small>(08 71 11 00-2096)</small>		
08 71 11 00-2137 EA Anti-Vandal Pull With Astragal (Trimco 1096HA) .....	289.98	13.63
08 71 11 00-2138 EA Anti-Vandal Pull Without Astragal (Trimco 1097HA) .....	289.98	13.63
<b>08 71 11 00-2139 Exit Devices</b> <small>(08 71 11)</small>		
<b>08 71 11 00-2140 Push Bar Exit Device, Von Duprin Series 22</b> <small>(08 71 11 00-2139)</small> Note: Grade 1, BHMA 156.3.		
08 71 11 00-2141 EA 3" Push Bar, Rim Type, Exit Device .....	685.10	122.59
Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22. <i>For 4" Push Bar, Add</i>	13.00	
08 71 11 00-2142 EA 3" Push Bar, Fire Rated, Rim Type, Exit Device .....	755.97	122.59
Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22-F. <i>For 4" Push Bar, Add</i>	13.00	
08 71 11 00-2143 EA 3" Push Bar, Surface Vertical Rods, Exit Device .....	979.90	147.12
Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227. <i>For 4" Push Bar, Add</i>	13.00	
08 71 11 00-2144 EA 3" Push Bar, Fire Rated, Surface Vertical Rods, Exit Device .....	1,156.42	136.22
Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227-F. <i>For 4" Push Bar, Add</i>	13.00	
08 71 11 00-2145 EA Dummy Trim (Von Duprin Series 22, 210DT) .....	94.53	20.43
Note: Anodized finish: aluminum or dark brown.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2146	EA		Night Latch Trim With Cylinder (Von Duprin Series 22, 210NL) ..... Note: Anodized finish: aluminum or dark brown.	202.95	27.24
08 71 11 00-2147	EA		Knob Trim With Cylinder (Von Duprin Series 22, 210K) ..... Note: Anodized finish: aluminum or dark brown.	369.66	40.87
08 71 11 00-2148	EA		Lever Trim With Cylinder (Von Duprin Series 22, 230L) ..... Note: Anodized finish: aluminum or dark brown.	366.40	40.87
08 71 11 00-2149	EA		Thumbpiece Trim With Cylinder (Von Duprin Series 22, 230TP) ..... Note: Anodized finish: aluminum or dark brown.	365.58	40.87
08 71 11 00-2150	EA		Blank Escutcheon Knob (Von Duprin Series 22, 210K-BE) ..... Note: Anodized finish: aluminum or dark brown.	289.57	40.87
08 71 11 00-2151	EA		Exit Only Trim Plate (Von Duprin Series 22, 230EO) ..... Note: Anodized finish: aluminum or dark brown.	117.14	16.35
08 71 11 00-2152	EA		Dummy Trim (Von Duprin Series 22, 230DT) ..... Note: Anodized finish: aluminum or dark brown.	136.20	20.43
08 71 11 00-2153	EA		Night Latch Trim With Cylinder (Von Duprin Series 22, 230NL) ..... Note: Anodized finish: aluminum or dark brown.	246.26	27.24
08 71 11 00-2154	EA		Blank Escutcheon Lever (Von Duprin Series 22, 230L-BE) ..... Note: Anodized finish: aluminum or dark brown.	286.31	40.87
08 71 11 00-2155	EA		Blank Escutcheon Thumbpiece (Von Duprin Series 22, 230TP-BE) ..... Note: Anodized finish: aluminum or dark brown.	285.49	40.87
<b>08 71 11 00-2156</b>			<b>Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35</b> <small>(08 71 11 00-2139)</small> Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 11 00-2157	EA		3' Push Bar, Rim Type, Narrow Stile Exit Device ..... Note: Aluminum anodized finish. Von Duprin Series 33/35.	1,238.13	122.59
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	93.31	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	179.05	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	34.63	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	266.07	
			<i>For Accessible Device (AX), Add</i>	91.12	
08 71 11 00-2158	EA		3' Push Bar, Surface Vertical Rods, Narrow Stile Exit Device ..... Note: Aluminum anodized finish. Von Duprin Series 3327/3527.	1,673.72	147.12
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	131.22	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	251.80	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	48.69	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	374.17	
			<i>For Accessible Device (AX), Add</i>	128.14	
08 71 11 00-2159	EA		3' Push Bar, Fire Rated, Surface Vertical Rods, Narrow Stile Exit Device ..... Note: Aluminum anodized finish. Von Duprin Series 3327-F/3527-F.	1,704.77	147.12
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	134.40	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	257.90	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	49.87	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	383.24	
			<i>For Accessible Device (AX), Add</i>	131.25	
08 71 11 00-2160	EA		3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device ..... Note: Aluminum anodized finish. Von Duprin Series 3347/3547.	1,745.09	168.91
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	132.39	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	254.05	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	49.13	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	377.51	
			<i>For Accessible Device (AX), Add</i>	129.29	
08 71 11 00-2161	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device ..... Note: Aluminum anodized finish. Von Duprin Series 3347-F/3547-F.	1,825.18	168.91
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	140.59	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	269.78	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	52.17	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	400.90	
			<i>For Accessible Device (AX), Add</i>	137.29	
08 71 11 00-2162	EA		3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device ..... Note: Aluminum anodized finish. Von Duprin Series 3348/3548.	1,937.14	168.91
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	152.05	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	291.78	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	56.43	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	433.59	
			<i>For Accessible Device (AX), Add</i>	148.49	
08 71 11 00-2163	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device ..... Note: Aluminum anodized finish. Von Duprin Series 3348-F/3548-F.	2,017.23	168.91
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	160.25	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	307.52	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	59.47	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	456.98	
			<i>For Accessible Device (AX), Add</i>	156.50	
08 71 11 00-2164	EA		Dummy Trim (Von Duprin Series 33/35, DT) ..... Note: Anodized finish: aluminum or dark brown.	273.49	20.43
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	43.04	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	8.32	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	63.95	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2165	EA		Night Latch With Cylinder, Less Pull (Von Duprin Series 33/35, NL-OP).....	345.96	27.24
			Note: Anodized finish: aluminum or dark brown.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	52.99	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.25	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	78.75	
08 71 11 00-2166	EA		Night Latch With Cylinder (Von Duprin Series 33/35, NL).....	542.91	27.24
			Note: Anodized finish: aluminum or dark brown.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	91.69	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	17.73	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	136.26	
08 71 11 00-2167	EA		Lever Trim With Cylinder (Von Duprin Series 33/35, 360L).....	682.67	40.87
			Note: Anodized finish: aluminum or dark brown.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	112.73	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	21.80	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	167.52	
08 71 11 00-2168	EA		Blank Escutcheon Lever With Cylinder (Von Duprin Series 33/35, 360L-BE).....	656.51	40.87
			Note: Anodized finish: aluminum or dark brown.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	107.59	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	20.81	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	159.88	
08 71 11 00-2169	EA		Lever Dummy Trim With Cylinder (Von Duprin Series 33/35, 360L-DT).....	644.25	40.87
			Note: Anodized finish: aluminum or dark brown.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	105.18	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	20.34	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	156.30	
08 71 11 00-2170	EA		Thumbturn Trim With Cylinder (Von Duprin Series 33/35, 360T).....	649.97	40.87
			Note: Anodized finish: aluminum or dark brown.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	106.31	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	20.56	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	157.97	
08 71 11 00-2171			<b>Push Bar Exit Device, Von Duprin Series 98/99</b> <small>(08 71 11 00-2 139)</small>		
			Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.		
08 71 11 00-2172	EA		3' Push Bar, Rim Type, Exit Device (Von Duprin Series 98/99).....	1,102.47	122.59
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	47.31	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	75.23	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	120.21	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	245.85	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	77.56	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	114.01	
			For Standard Baseplate Cylinder Dogging (CD), Add	51.69	
			For Special Center Case Dogging (SD), Add	216.41	
			For Cylinder Dogging Indicator (CI), Add	144.05	
			For Dogging Indicator (DI), Add	132.33	
			For Accessible Device (AX), Add	77.56	
			For Quiet Electric Latch Retraction (QEL), Add	644.41	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
			For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2173	EA		3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 98-F/99-F).....	1,238.13	122.59
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	55.58	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	88.39	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	141.24	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	288.85	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	91.12	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	133.95	
			For Accessible Device (AX), Add	91.12	
			For Quiet Electric Latch Retraction (QEL), Add	644.41	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
			For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2174	EA		3' Push Bar, Rim Type, Exit Device (Von Duprin Series XP98/XP99).....	1,193.18	122.59
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	52.84	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	84.03	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	134.27	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	274.60	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	86.63	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	127.34	
			For Standard Baseplate Cylinder Dogging (CD), Add	51.69	
			For Special Center Case Dogging (SD), Add	216.41	
			For Cylinder Dogging Indicator (CI), Add	144.05	
			For Dogging Indicator (DI), Add	132.33	
			For Accessible Device (AX), Add	86.63	
			For Quiet Electric Latch Retraction (QEL), Add	644.41	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
			For Safety Glow Touchpad, Add	241.22	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Door Hardware</b>	<b>08 71</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2175 EA 3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series XP98-F/XP99-F).....	1,325.57	122.59
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	60.92	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	96.87	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	154.79	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	316.57	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	99.87	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	146.80	
For Accessible Device (AX), Add	99.87	
For Quiet Electric Latch Retraction (QEL), Add	644.41	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2176 EA 3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 9827/9927).....	1,550.32	147.12
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	70.64	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	112.33	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	179.49	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	367.09	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	115.80	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	170.23	
For Standard Baseplate Cylinder Dogging (CD), Add	51.69	
For Special Center Case Dogging (SD), Add	216.41	
For Cylinder Dogging Indicator (CI), Add	144.05	
For Dogging Indicator (DI), Add	132.33	
For Accessible Device (AX), Add	115.80	
For Quiet Electric Latch Retraction (QEL), Add	644.41	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2177 EA 3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 9827-F/9927-F).....	1,734.20	147.12
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	81.86	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	130.16	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	207.99	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	425.38	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	134.19	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	197.26	
For Accessible Device (AX), Add	134.19	
For Quiet Electric Latch Retraction (QEL), Add	644.41	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2178 EA 3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847/9947).....	1,640.49	168.91
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	110.51	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	115.26	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	184.18	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	376.68	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	118.83	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	174.67	
For Standard Baseplate Cylinder Dogging (CD), Add	51.69	
For Special Center Case Dogging (SD), Add	216.41	
For Cylinder Dogging Indicator (CI), Add	144.05	
For Dogging Indicator (DI), Add	132.33	
For Accessible Device (AX), Add	118.83	
For Quiet Electric Latch Retraction (QEL), Add	644.41	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2179 EA 3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847-F/9947-F).....	1,828.45	168.91
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	127.99	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	133.49	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	213.31	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	436.26	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	137.62	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	202.30	
For Accessible Device (AX), Add	137.62	
For Quiet Electric Latch Retraction (QEL), Add	644.41	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
For Safety Glow Touchpad, Add	241.22	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2180	EA	3'	Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848/9948) ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,832.54	168.91
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	128.37	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	133.89	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	213.95	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	437.56	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	138.03	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	202.90	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	51.69	
			<i>For Special Center Case Dogging (SD), Add</i>	216.41	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	144.05	
			<i>For Dogging Indicator (DI), Add</i>	132.33	
			<i>For Accessible Device (AX), Add</i>	138.03	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	644.41	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	66.86	
			<i>For Safety Glow Touchpad, Add</i>	241.22	
08 71 11 00-2181	EA	3'	Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848-F/9948-F)..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,020.50	168.91
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	145.85	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	152.12	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	243.08	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	497.14	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	156.83	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	230.53	
			<i>For Accessible Device (AX), Add</i>	156.83	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	644.41	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	66.86	
			<i>For Safety Glow Touchpad, Add</i>	241.22	
08 71 11 00-2182	EA	3'	Push Bar, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC/9947WDC)..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,776.96	168.91
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	123.20	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	128.50	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	205.33	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	419.94	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	132.47	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	194.73	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	51.69	
			<i>For Special Center Case Dogging (SD), Add</i>	216.41	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	144.05	
			<i>For Dogging Indicator (DI), Add</i>	132.33	
			<i>For Accessible Device (AX), Add</i>	132.47	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	644.41	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	66.86	
			<i>For Safety Glow Touchpad, Add</i>	241.22	
08 71 11 00-2183	EA	3'	Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC-F/9947WDC-F) ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,988.63	168.91
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	142.88	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	149.03	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	238.14	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	487.04	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	153.64	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	225.85	
			<i>For Accessible Device (AX), Add</i>	153.64	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	644.41	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	66.86	
			<i>For Safety Glow Touchpad, Add</i>	241.22	
08 71 11 00-2184	EA	3'	Push Bar, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857/9957)..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,908.27	147.12
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	92.47	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	147.05	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	234.97	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	480.56	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	151.60	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	222.85	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	51.69	
			<i>For Special Center Case Dogging (SD), Add</i>	216.41	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	144.05	
			<i>For Dogging Indicator (DI), Add</i>	132.33	
			<i>For Accessible Device (AX), Add</i>	151.60	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	644.41	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	66.86	
			<i>For Safety Glow Touchpad, Add</i>	241.22	



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2185 EA 3' Push Bar, Fire Rated, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857-F/9957-F) .....	2,030.04	147.12
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
<i>For 4' Push Bar, Add</i>	13.00	
<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	99.90	
<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	158.86	
<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	253.85	
<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	519.16	
<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	163.77	
<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	240.75	
<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	51.69	
<i>For Special Center Case Dogging (SD), Add</i>	216.41	
<i>For Cylinder Dogging Indicator (CI), Add</i>	144.05	
<i>For Dogging Indicator (DI), Add</i>	132.33	
<i>For Accessible Device (AX), Add</i>	163.77	
<i>For Quiet Electric Latch Retraction (QEL), Add</i>	644.41	
<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	66.86	
<i>For Safety Glow Touchpad, Add</i>	241.22	
08 71 11 00-2186 EA 3' Push Bar, Mortise Lock, Exit Device (Von Duprin Series 9875/9975) .....	1,542.15	152.57
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
<i>For 4' Push Bar, Add</i>	13.00	
<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	41.94	
<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	109.95	
<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	175.69	
<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	359.32	
<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	113.35	
<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	166.62	
<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	51.69	
<i>For Special Center Case Dogging (SD), Add</i>	216.41	
<i>For Cylinder Dogging Indicator (CI), Add</i>	144.05	
<i>For Dogging Indicator (DI), Add</i>	132.33	
<i>For Accessible Device (AX), Add</i>	113.35	
<i>For Quiet Electric Latch Retraction (QEL), Add</i>	644.41	
<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	66.86	
<i>For Safety Glow Touchpad, Add</i>	241.22	
08 71 11 00-2187 EA 3' Push Bar, Fire Rated, Mortise Lock, Exit Device (Von Duprin Series 9875-F/9975-F) .....	1,680.25	152.57
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
<i>For 4' Push Bar, Add</i>	13.00	
<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	47.05	
<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	123.35	
<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	197.10	
<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	403.10	
<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	127.16	
<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	186.93	
<i>For Accessible Device (AX), Add</i>	127.16	
<i>For Quiet Electric Latch Retraction (QEL), Add</i>	644.41	
<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	66.86	
<i>For Safety Glow Touchpad, Add</i>	241.22	
08 71 11 00-2188 EA 3' Push Bar, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849/9949) .....	1,698.51	168.91
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
<i>For 4' Push Bar, Add</i>	13.00	
<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	115.90	
<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	120.89	
<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	193.17	
<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	395.07	
<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	124.63	
<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	183.20	
<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	51.69	
<i>For Special Center Case Dogging (SD), Add</i>	216.41	
<i>For Cylinder Dogging Indicator (CI), Add</i>	144.05	
<i>For Dogging Indicator (DI), Add</i>	132.33	
<i>For Accessible Device (AX), Add</i>	124.63	
<i>For Quiet Electric Latch Retraction (QEL), Add</i>	644.41	
<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	66.86	
<i>For Safety Glow Touchpad, Add</i>	241.22	
08 71 11 00-2189 EA 3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849-F/9949-F) .....	1,835.80	168.91
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
<i>For 4' Push Bar, Add</i>	13.00	
<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	128.67	
<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	134.21	
<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	214.45	
<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	438.59	
<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	138.36	
<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	203.38	
<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	51.69	
<i>For Special Center Case Dogging (SD), Add</i>	216.41	
<i>For Cylinder Dogging Indicator (CI), Add</i>	144.05	
<i>For Dogging Indicator (DI), Add</i>	132.33	
<i>For Accessible Device (AX), Add</i>	138.36	
<i>For Quiet Electric Latch Retraction (QEL), Add</i>	644.41	
<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	66.86	
<i>For Safety Glow Touchpad, Add</i>	241.22	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2190	EA	3'	Push Bar, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC/9949WDC)..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,840.70	168.91
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	129.13	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	134.68	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	215.21	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	440.14	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	138.85	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	204.10	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	51.69	
			<i>For Special Center Case Dogging (SD), Add</i>	216.41	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	144.05	
			<i>For Dogging Indicator (DI), Add</i>	132.33	
			<i>For Accessible Device (AX), Add</i>	138.85	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	644.41	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	66.86	
			<i>For Safety Glow Touchpad, Add</i>	241.22	
08 71 11 00-2191	EA	3'	Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC-F/9949WDC-F) ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,085.87	168.91
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	151.93	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	158.46	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	253.21	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	517.86	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	163.36	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	240.14	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	51.69	
			<i>For Special Center Case Dogging (SD), Add</i>	216.41	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	144.05	
			<i>For Dogging Indicator (DI), Add</i>	132.33	
			<i>For Accessible Device (AX), Add</i>	163.36	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	644.41	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	66.86	
			<i>For Safety Glow Touchpad, Add</i>	241.22	
08 71 11 00-2192	EA	3'	Push Bar, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98/CX99) ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,345.20	141.67
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	304.39	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	622.52	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	196.38	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	73.05	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	82.09	
			<i>For Center Case Dogging (CD-CX), Add</i>	233.64	
			<i>For Accessible Device (AX), Add</i>	196.38	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	644.41	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	66.86	
			<i>For Safety Glow Touchpad, Add</i>	241.22	
08 71 11 00-2193	EA	3'	Push Bar, Fire Rated, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98-F/CX99-F) ..... Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	2,480.86	141.67
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	325.41	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	665.53	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	209.95	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	78.10	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	87.76	
			<i>For Accessible Device (AX), Add</i>	209.95	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	644.41	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	66.86	
			<i>For Safety Glow Touchpad, Add</i>	241.22	
08 71 11 00-2194	EA	3'	Push Bar, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875/CX9975) ..... Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	2,795.77	174.36
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	359.87	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	735.99	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	232.17	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	86.37	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	97.05	
			<i>For Center Case Dogging (CD-CX), Add</i>	233.64	
			<i>For Accessible Device (AX), Add</i>	232.17	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	644.41	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	66.86	
			<i>For Safety Glow Touchpad, Add</i>	241.22	
08 71 11 00-2195	EA	3'	Push Bar, Fire Rated, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875-F/CX9975-F) ..... Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	2,933.88	174.36
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	381.28	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	779.77	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	245.99	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	91.51	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	102.82	
			<i>For Accessible Device (AX), Add</i>	245.99	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	644.41	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	66.86	
			<i>For Safety Glow Touchpad, Add</i>	241.22	





<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Door Hardware</b>	<b>08 71</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2196 EA 3' Push Bar, Electric Latch Retraction, Exit Device (Von Duprin Series E98/E99).....	1,544.33	141.67
Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	180.25	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	368.65	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	116.29	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	43.26	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	66.75	
For Standard Baseplate Cylinder Dogging (CD), Add	51.69	
For Special Center Case Dogging (SD), Add	216.41	
For Dogging Indicator (DI), Add	132.33	
For Accessible Device (AX), Add	116.29	
For Quiet Electric Latch Retraction (QEL), Add	644.41	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2197 EA 3' Push Bar, Fire Rated, Electric Latch Retraction, Exit Device (Von Duprin Series E98-F/E99-F).....	1,679.99	141.67
Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	201.28	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	411.65	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	129.86	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	48.31	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	74.54	
For Accessible Device (AX), Add	129.86	
For Quiet Electric Latch Retraction (QEL), Add	644.41	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2198 EA 3' Push Bar, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875/E9975).....	1,994.89	174.36
Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	235.73	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	482.11	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	152.09	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	56.58	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	87.30	
For Standard Baseplate Cylinder Dogging (CD), Add	51.69	
For Special Center Case Dogging (SD), Add	216.41	
For Dogging Indicator (DI), Add	132.33	
For Accessible Device (AX), Add	152.09	
For Quiet Electric Latch Retraction (QEL), Add	644.41	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2199 EA 3' Push Bar, Fire Rated, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875-F/E9975-F).....	2,133.00	174.36
Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	257.14	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	525.89	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	165.90	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	61.71	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	95.22	
For Accessible Device (AX), Add	165.90	
For Quiet Electric Latch Retraction (QEL), Add	644.41	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2200 EA Exit Only Trim Plate (Von Duprin Series 98/99, EO).....	130.43	16.35
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	2.61	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	3.91	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	14.76	
08 71 11 00-2201 EA Dummy Trim (Von Duprin Series 98/99, 990DT).....	189.56	20.43
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	4.05	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	6.08	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	22.96	
08 71 11 00-2202 EA Night Latch Pull Trim With 110NL Cylinder (Von Duprin Series 98/99, 990NL).....	301.10	27.24
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.74	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.12	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	38.22	
08 71 11 00-2203 EA Night Latch Pull Trim Without Cylinder (Von Duprin Series 98/99, 990NL).....	221.01	27.24
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	4.34	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	6.51	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	24.60	
08 71 11 00-2204 EA Lever Trim With 110NL Cylinder (Von Duprin Series 98/99, 996L).....	501.26	40.87
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	11.77	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	17.65	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	66.69	
For Electric Unlocking (E), Add	679.96	
08 71 11 00-2205 EA Lever Trim Without Cylinder (Von Duprin Series 98/99, 996L).....	421.18	40.87
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	9.37	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	14.05	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	53.08	
For Electric Unlocking (E), Add	679.96	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2206	EA		Blank Escutcheon, Lever (Von Duprin Series 98/99, 996L-BE).....	421.18	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	9.37	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	14.05	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	53.08	
08 71 11 00-2207	EA		Night Latch, Lever With 110NL Cylinder (Von Duprin Series 98/99, 996L-NL).....	432.34	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	9.70	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	14.55	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	54.97	
			For Electric Unlocking (E), Add	679.96	
08 71 11 00-2208	EA		Night Latch, Lever Without Cylinder (Von Duprin Series 98/99, 996L-NL).....	352.26	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	7.30	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.95	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	41.36	
			For Electric Unlocking (E), Add	679.96	
08 71 11 00-2209	EA		Lever Dummy Trim (Von Duprin Series 98/99, 996L-DT).....	352.26	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	7.30	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.95	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	41.36	
08 71 11 00-2210	EA		Knob Trim With 110NL Cylinder (Von Duprin Series 98/99, K).....	421.32	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	9.37	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	14.06	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	53.10	
08 71 11 00-2211	EA		Knob Trim Without Cylinder (Von Duprin Series 98/99, K).....	341.24	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.97	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.45	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	39.49	
08 71 11 00-2212	EA		Blank Escutcheon, Knob (Von Duprin Series 98/99, K-BE).....	341.24	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.97	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.45	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	39.49	
08 71 11 00-2213	EA		Night Latch, Knob With 110NL Cylinder (Von Duprin Series 98/99, K-NL).....	415.12	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	9.18	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	13.78	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	52.05	
08 71 11 00-2214	EA		Night Latch, Knob Without Cylinder (Von Duprin Series 98/99, K-NL).....	335.03	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.78	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.17	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	38.43	
08 71 11 00-2215	EA		Dummy Trim For Knob Without Cylinder (Von Duprin Series 98/99, K-DT).....	335.03	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.78	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.17	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	38.43	
08 71 11 00-2216	EA		Thumbpiece Trim With 110NL Cylinder (Von Duprin Series 98/99, TP).....	381.34	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.17	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	12.26	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	46.30	
08 71 11 00-2217	EA		Thumbpiece Trim Without Cylinder (Von Duprin Series 98/99, TP).....	301.26	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.77	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.65	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	32.69	
08 71 11 00-2218	EA		Blank Escutcheon, Thumbpiece (Von Duprin Series 98/99, T-BE).....	301.26	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.77	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.65	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	32.69	
08 71 11 00-2219	EA		Push/Pull Hospital Latch Trim With 110NL Cylinder (Von Duprin Series 98/99, HL).....	323.08	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.42	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.63	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	36.40	
08 71 11 00-2220			<b>Option And Kits For Series 22, 33, 35, 98 Or 99</b> (08 71 11 00-2139)		
08 71 11 00-2221	EA		Alarm Kit With Switch And 9 Volt Battery Back-up.....	820.76	40.87
08 71 11 00-2222	EA		4 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914).....	727.54	40.87
			For Battery Backup (Includes Board And 2 Batteries), Add	58.09	
			For Fire Alarm Interface, Add	29.05	
			For 2 Relay Panic Device Control Board, Add	67.39	
			For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	79.00	
			For 4 Relay Output Board, Add	65.06	
			For 4 Relay Logic Board, Add	178.45	
			For Fused 8 Zone Distribution Board, Add	23.24	
08 71 11 00-2223	EA		Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10).....	679.52	40.87



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2224	EA		2 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS902).....	374.20	40.87
			<i>For Battery Backup (Includes Board And 2 Batteries), Add</i>	58.09	
			<i>For Fire Alarm Interface, Add</i>	29.05	
			<i>For 2 Relay Quiet Electric Latch Panic Device Control Board, Add</i>	79.00	
			<i>For 4 Relay Output Board, Add</i>	65.06	
			<i>For 4 Relay Logic Board, Add</i>	178.45	
			<i>For Fused 8 Zone Distribution Board, Add</i>	23.24	
08 71 11 00-2225	EA		4 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS904).....	608.91	40.87
			<i>For Battery Backup (Includes Board And 2 Batteries), Add</i>	58.09	
			<i>For Fire Alarm Interface, Add</i>	29.05	
			<i>For 2 Relay Quiet Electric Latch Panic Device Control Board, Add</i>	79.00	
			<i>For 4 Relay Output Board, Add</i>	65.06	
			<i>For 4 Relay Logic Board, Add</i>	178.45	
			<i>For Fused 8 Zone Distribution Board, Add</i>	23.24	
08 71 11 00-2226	EA		6 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS906) .....	718.28	41.41
			<i>For Owner Furnished Material, Deduct</i>	-609.31	
08 71 11 00-2227	EA		4 Amperes (3 Amperes Wet) Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914 x 900-2RS) .....	790.07	41.41
			<i>For Owner Furnished Material, Deduct</i>	-681.10	
08 71 11 00-2228	EA		Request to Exit Push Pad Monitor Switch (RX) .....	186.12	27.24
<b>08 71 11 00-2229</b>			<b>Removable Verticals, Mullions (Von Duprin)</b> <small>(08 71 11 00-2139)</small>		
08 71 11 00-2230	EA		7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72) .....	484.89	27.24
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-375.92	
08 71 11 00-2231	EA		8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82) .....	514.31	27.24
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-405.34	
08 71 11 00-2232	EA		10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102) .....	831.65	27.24
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-722.68	
08 71 11 00-2233	EA		7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76) .....	820.51	32.69
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-689.74	
08 71 11 00-2234	EA		8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86) .....	849.93	32.69
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-719.16	
08 71 11 00-2235	EA		10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106) .....	914.49	32.69
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-783.72	
08 71 11 00-2236	EA		7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73).....	680.83	27.24
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-581.86	
08 71 11 00-2237	EA		8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83).....	721.07	27.24
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-612.10	
08 71 11 00-2238	EA		10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103).....	782.36	27.24
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-673.39	
08 71 11 00-2239	EA		7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75).....	1,058.32	32.69
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-927.55	
08 71 11 00-2240	EA		8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85).....	1,088.56	32.69
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-957.79	
08 71 11 00-2241	EA		10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105).....	2,038.75	32.69
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-1,907.98	
08 71 11 00-2242	EA		Mullion Stabilizer Set (Von Duprin 154) .....	104.88	21.79
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-61.29	
<b>08 71 11 00-2243</b>			<b>Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55</b> <small>(08 71 11 00-2139)</small>		
			Note: Grade 1, BHMA 156.3.		
08 71 11 00-2244	EA		42" Crossbar Exit Device, Rim Type, Narrow Stile .....	1,887.82	122.59
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	196.67	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	226.33	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	298.13	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	324.67	
08 71 11 00-2245	EA		42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile .....	2,435.65	168.91
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	249.91	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	287.59	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	378.83	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	412.55	
08 71 11 00-2246	EA		42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated .....	2,657.12	168.91
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	277.81	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	319.71	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	421.13	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	458.62	

**08 Openings**

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2247	EA		42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile.....	2,490.40	168.91
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	256.81	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	295.53	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	389.29	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	423.94	
08 71 11 00-2248	EA		42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated.....	2,705.33	168.91
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	283.89	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	326.70	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	430.34	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	468.64	
08 71 11 00-2249	EA		42" Crossbar Exit Device, Mortise Lock, Narrow Stile.....	1,897.63	152.57
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	187.61	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	215.90	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	284.40	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	309.71	
08 71 11 00-2250	EA		42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated.....	2,042.28	152.57
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	205.84	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	236.88	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	312.02	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	339.80	
08 71 11 00-2251	EA		Dummy Trim (DT) Pull Bracket, Von Duprin Series 55.....	323.35	20.43
			Note: Anodized finish: dull brass or dull bronze.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	33.88	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	38.99	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	51.35	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	55.92	
08 71 11 00-2252	EA		Cylinder Assembly, Von Duprin Series 55.....	152.28	28.87
			Note: Anodized finish: dull brass or dull bronze.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	9.58	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	11.02	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	14.52	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	15.81	
08 71 11 00-2253	EA		Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55.....	543.73	28.87
			Note: Anodized finish: dull brass or dull bronze.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	58.90	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	67.78	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	89.28	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	97.23	
08 71 11 00-2254	EA		Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55.....	586.23	40.87
			Note: Anodized finish: dull brass or dull bronze.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	60.13	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	69.20	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	91.16	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	99.27	
08 71 11 00-2255	EA		Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55.....	479.99	40.87
			Note: Anodized finish: dull brass or dull bronze.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	46.75	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	53.80	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	70.86	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	77.17	
08 71 11 00-2256	EA		Lever Trim (371L) With Cylinder, Von Duprin Series 55.....	586.23	40.87
			Note: Anodized finish: dull brass or dull bronze.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	60.13	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	69.20	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	91.16	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	99.27	
08 71 11 00-2257	EA		Lever Trim (575L) With Cylinder, Von Duprin Series 55.....	672.86	40.87
			Note: Anodized finish: dull brass or dull bronze.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	71.05	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	81.76	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	107.70	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	117.29	
08 71 11 00-2258			<b>Cross Bar Exit Device, Von Duprin Series 88</b> (08 71 11 00-2139)		
			Note: Grade 1, BHMA 156.3.		
08 71 11 00-2259	EA		42" Crossbar, Rim Type, Exit Device.....	1,211.98	122.59
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	27.44	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	28.32	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	241.62	
08 71 11 00-2260	EA		42" Crossbar, Fire Rated, Rim Type, Exit Device.....	1,407.30	122.59
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	33.49	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	34.57	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	294.94	
08 71 11 00-2261	EA		42" Crossbar, Surface Vertical Rods, Exit Device.....	1,564.22	147.12
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	36.33	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	37.50	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	319.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2262 EA 42" Crossbar, Fire Rated, Surface Vertical Rods, Exit Device.....	1,986.71	147.12
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	49.43	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	51.02	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	435.27	
08 71 11 00-2263 EA 42" Crossbar, Concealed Vertical Rods, Exit Device.....	1,517.82	168.91
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	33.03	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	34.10	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	290.90	
08 71 11 00-2264 EA 42" Crossbar, Fire Rated, Concealed Vertical Rods, Exit Device.....	1,902.00	168.91
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	44.94	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	46.39	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	395.78	
08 71 11 00-2265 EA 42" Crossbar, Mortise Lock, Exit Device.....	1,618.14	152.57
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	37.49	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	38.70	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	330.19	
08 71 11 00-2266 EA 42" Crossbar, Fire Rated, Mortise Lock, Exit Device.....	1,717.85	152.57
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	40.59	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	41.89	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	357.41	
08 71 11 00-2267 EA Dummy Trim (Von Duprin Series 88, DT).....	183.61	20.43
Note: Anodized finish: dull brass or dull bronze.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	4.00	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	4.13	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	35.25	
08 71 11 00-2268 EA Night Latch Pull Trim With Cylinder (Von Duprin Series 88, NL).....	292.84	27.24
Note: Anodized finish: dull brass or dull bronze.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	6.71	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	6.93	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	59.12	
08 71 11 00-2269 EA Thumbturn Trim With Cylinder (Von Duprin Series 88, 376T Or 377T).....	506.15	40.87
Note: Anodized finish: dull brass or dull bronze.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	12.31	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	12.71	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	108.43	
08 71 11 00-2270 EA Lever Trim With Cylinder (Von Duprin Series 88, 373L).....	473.45	40.87
Note: Anodized finish: dull brass or dull bronze.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	11.30	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	11.66	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	99.50	
08 71 11 00-2271 EA Knob Trim With Cylinder (Von Duprin Series 88, K).....	363.13	40.87
Note: Anodized finish: dull brass or dull bronze.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	7.88	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	8.13	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	69.39	
08 71 11 00-2272 EA Thumpiece Trim With Cylinder (Von Duprin Series 88, TP).....	363.13	40.87
Note: Anodized finish: dull brass or dull bronze.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	7.88	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	8.13	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	69.39	
<b>08 71 11 00-2273 Push Bar Exit Device, Precision Hardware Apex 2000 Series</b> (08 71 11 00-2139)		
Note: Grade 1, BHMA 156.3. Anodized Aluminum Finish.		
08 71 11 00-2274 EA 3' Push Bar Exit Device, Rim Type (Precision Hardware 2100 Series).....	1,722.88	122.59
For 4' Push Bar, Add	13.00	
For Owner Furnished Material, Deduct	-1,395.96	
08 71 11 00-2275 EA 3' Push Bar Exit Device, Rim Type, Fire Rated (Precision Hardware 2100 Series).....	1,818.80	122.59
For 4' Push Bar, Add	13.00	
For Owner Furnished Material, Deduct	-1,491.88	
08 71 11 00-2276 EA 3' Push Bar Exit Device, Surface Vertical Rod (Top Only) (Precision Hardware 2200 Series).....	2,362.55	147.12
For 4' Push Bar, Add	13.00	
For Owner Furnished Material, Deduct	-1,970.24	
08 71 11 00-2277 EA 3' Push Bar Exit Device, Surface Vertical Rod (Top Only), Fire Rated (Precision Hardware 2200 Series).....	2,458.47	147.12
For 4' Push Bar, Add	13.00	
For Owner Furnished Material, Deduct	-2,066.16	
08 71 11 00-2278 EA Exit Only, Cover Plate, Lever/Knob Trim (Precision 4901).....	210.20	16.35
For Owner Furnished Material, Deduct	-166.61	
08 71 11 00-2279 EA Exit Only, Dummy Trim, Lever/Knob Trim (Precision 4902A).....	560.61	20.43
For Owner Furnished Material, Deduct	-506.13	
08 71 11 00-2280 EA Key Retracts Latchbolt, Lever/Knob Trim (Precision 4903A).....	615.10	40.87
For Owner Furnished Material, Deduct	-506.13	
08 71 11 00-2281 EA Key Controls Lever/Knob, Lever/Knob Trim (Precision 4908A).....	741.32	40.87
For Owner Furnished Material, Deduct	-632.35	
08 71 11 00-2282 EA Key Controls Lever, Lever/Knob Trim (Precision V4908A).....	741.32	40.87
For Owner Furnished Material, Deduct	-632.35	
08 71 11 00-2283 EA Lever/Knob Always Active, Lever/Knob Trim (Precision 4914A).....	741.32	40.87
For Owner Furnished Material, Deduct	-632.35	
08 71 11 00-2284 EA Exit Only, Cover Plate, Pull Trim (Precision 1701).....	154.65	16.35
For Owner Furnished Material, Deduct	-111.06	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2285	EA		Exit Only, Dummy Trim, Pull Trim (Precision 1702A).....	329.63	20.43
			<i>For Owner Furnished Material, Deduct</i>	-275.15	
08 71 11 00-2286	EA		Key Retracts Latchbolt, Pull Trim (Precision 1703A) .....	351.43	27.24
			<i>For Owner Furnished Material, Deduct</i>	-275.15	
08 71 11 00-2287	EA		Key Controls Thumb Piece, Pull Trim (Precision 1705A).....	495.18	40.87
			<i>For Owner Furnished Material, Deduct</i>	-386.21	
08 71 11 00-2288	EA		Thumb Piece Always Active, Pull Trim (Precision 1715A) .....	495.18	40.87
			<i>For Owner Furnished Material, Deduct</i>	-386.21	
<b>08 71 11 00-2289</b>			<b>Push Bar Exit Device, Stanley</b> <small>(08 71 11 00-2139)</small>		
08 71 11 00-2290	EA		Electric Rim Device With Lever (Stanley Percision ELR-TS2108 x 4908A) .....	2,808.54	
<b>08 71 11 00-2291</b>			<b>Door Closers</b> <small>(08 71 11)</small>		
			Note: Includes standard cover and arm.		
08 71 11 00-2292	EA		Surface Mounted Standard Duty Door Closer (LCN 1460 Series) .....	424.74	31.60
			<i>For Delayed Action, Add</i>	12.60	
			<i>For AVB (5 LB Per Push), Add</i>	6.60	
			<i>For Fusible Link Arm, Add</i>	39.60	
			<i>For Shock Absorbing Arm, Add</i>	19.80	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
			<i>For Parallel Arm, Add</i>	22.40	
08 71 11 00-2293	EA		Surface Mounted Heavy Duty Door Closer (LCN 4010/4020/4110 Series).....	513.66	31.60
			<i>For Delayed Action, Add</i>	12.60	
			<i>For AVB (5 LB Per Push), Add</i>	6.60	
			<i>For Fusible Link Arm, Add</i>	39.60	
			<i>For Shock Absorbing Arm, Add</i>	19.80	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 11 00-2294	EA		Surface Mounted Heavy Duty Door Closer (LCN 4040XP/4041 Series).....	527.79	31.60
			<i>For Delayed Action, Add</i>	12.60	
			<i>For AVB (5 LB Per Push), Add</i>	6.60	
			<i>For Fusible Link Arm, Add</i>	39.60	
			<i>For Shock Absorbing Arm, Add</i>	19.80	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
			<i>For Spring Cush Arm, Add</i>	67.20	
			<i>For Parallel Arm And PA Shoe, Add</i>	22.40	
			<i>For Stainless Steel Finish, Add</i>	145.00	
08 71 11 00-2295	EA		Surface Mounted High Security Door Closer With Metal Cover (LCN 4510) .....	545.49	31.60
			<i>For Delayed Action, Add</i>	12.60	
			<i>For AVB (5 LB Per Push), Add</i>	6.60	
			<i>For Fusible Link Arm, Add</i>	39.60	
			<i>For Shock Absorbing Arm, Add</i>	19.80	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 11 00-2296	EA		Surface Mounted Standard Duty Door Closer (Norton 8301).....	358.14	31.60
			<i>For Parallel Arm, Add</i>	22.40	
08 71 11 00-2297	EA		Surface Mounted Standard Duty Door Closer (Norton 8501).....	361.12	31.60
			<i>For Parallel Arm, Add</i>	22.40	
08 71 11 00-2298	EA		Screen Door - Closer .....	53.96	11.85
08 71 11 00-2299	EA		Screen Door - Locking Handle.....	58.88	17.02
<b>08 71 11 00-2300</b>			<b>Concealed Door Closers</b> <small>(08 71 11)</small>		
08 71 11 00-2301	EA		Non Hold Open, Floor Concealed Door Closer (Rixson 27/28).....	1,200.74	93.72
08 71 11 00-2302	EA		Selective Hold Open, Floor Concealed Door Closer (Rixson 27/27).....	1,284.08	93.72
08 71 11 00-2303	EA		Concealed (In Door) Overhead Door Closer (LCN 3130) .....	606.92	38.14
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 11 00-2304	EA		Concealed (In Frame) Overhead Door Closer (LCN 5010).....	655.67	38.14
			<i>For Delayed Action, Add</i>	12.60	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
<b>08 71 11 00-2305</b>			<b>Locks And Latches</b> <small>(08 71 11)</small>		
			Note: All locksets are supplied with knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.		
<b>08 71 11 00-2306</b>			<b>Locksmith Services</b> <small>(08 71 11 00-2305)</small>		
08 71 11 00-2307	EA		Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys.....	1.49	
			<i>For &gt;50, Deduct</i>	-0.30	
08 71 11 00-2308	EA		Rekey Existing Cylinder To Match Existing Cylinders Or Master Key.....	130.82	
			<i>For &gt;5, Deduct</i>	-13.08	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Door Hardware</b>	<b>08 71</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2309 EA Removal And Replacement Of Cylinder With Owner Supplied Cylinder.....	130.82	
For >5, Deduct	-13.08	
08 71 11 00-2310 EA Removal And Replacement Of Cylinder With New Cylinder.....	146.72	
Note: Excludes core.		
For >5, Deduct	-13.08	
08 71 11 00-2311 EA Open Locked Doors.....	130.82	
08 71 11 00-2312 EA Install Owner Furnished Cores And Cylinders.....	54.88	
<b>08 71 11 00-2313 Mortise Locksets And Latchsets</b> <small>(08 71 11 00-2305)</small>		
Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.		
08 71 11 00-2314 EA Passage/Closet F01 Mortise Latchset.....	707.97	27.24
Note: Both sides always unlocked.		
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	19.77	
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	17.97	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	29.95	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	211.45	
08 71 11 00-2315 EA Bath/Bedroom Privacy F02/F19 Mortise Lockset.....	841.06	27.24
Note: Locked with thumb knob inside.		
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	24.16	
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	21.96	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	36.60	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	258.43	
08 71 11 00-2316 EA Entrance/Office F04 Mortise Lockset.....	935.20	27.24
Note: Locked with key outside and thumb knob inside.		
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	27.27	
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	24.79	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	41.31	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	291.66	
08 71 11 00-2317 EA Classroom F05 Mortise Lockset.....	873.37	27.24
Note: Locked with key outside. Inside always unlocked.		
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	25.23	
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	22.93	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	38.22	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	269.83	
For Security Function (Double Cylinder) With Visual Indicator, Add	75.97	
08 71 11 00-2318 EA Storeroom/Closet F07 Mortise Lockset.....	873.37	27.24
Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	25.23	
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	22.93	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	38.22	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	269.83	
08 71 11 00-2319 EA Entrance F08 Mortise Lockset.....	974.62	27.24
Note: Locked with key outside and thumb knob inside.		
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	28.57	
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	25.97	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	43.28	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	305.57	
08 71 11 00-2320 EA Dormitory/Exit F13 Mortise Lockset.....	840.13	27.24
Note: Locked with key outside and thumb knob inside.		
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	24.13	
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	21.93	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	36.56	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	258.10	
<b>08 71 11 00-2321 Locks And Latches</b> <small>(08 71 11 00-2305)</small>		
<b>08 71 11 00-2322 Preassembled Locks And Latches</b> <small>(08 71 11 00-2321)</small>		
Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.		
08 71 11 00-2323 EA Passage/Closet F36 Pre-Assembled Latchset (Corbin Russwin UT5210).....	1,351.16	27.24
Note: Both sides always unlocked.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	38.08	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	63.47	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	448.11	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	236.11	
For Grade 2, Deduct	-493.81	
08 71 11 00-2324 EA Bath/Bedroom Privacy F37 Pre-Assembled Lockset (Corbin Russwin UT5220).....	1,462.14	27.24
Note: Locked with push button inside.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	41.41	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	69.02	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	487.28	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	256.76	
For Grade 2, Deduct	-536.98	
08 71 11 00-2325 EA Entrance/Office F41 Pre-Assembled Lockset (Corbin Russwin UT5261).....	1,661.14	27.24
Note: Locked with key outside and push button inside.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	47.38	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	78.97	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	557.53	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	293.77	
For Grade 2, Deduct	-614.39	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2326	EA		Classroom F42 Pre-Assembled Lockset (Corbin Russwin UT5255).....	1,661.14	27.24
			Note: Locked with key outside. Inside always unlocked.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	47.38	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	78.97	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	557.53	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	293.77	
			For Grade 2, Deduct	-614.39	
08 71 11 00-2327	EA		Storeroom/Closet F44 Pre-Assembled Lockset (Corbin Russwin UT5257).....	1,661.14	27.24
			Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	47.38	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	78.97	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	557.53	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	293.77	
			For Grade 2, Deduct	-614.39	
<b>08 71 11 00-2328</b>			<b>Bored Locks And Latches</b> <small>(08 71 11 00-2321)</small>		
			Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.		
08 71 11 00-2329	EA		Passage/Closet F75 Bored Latchset.....	257.36	27.24
			Note: Both sides always unlocked.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	4.45	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	7.42	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	52.38	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	27.60	
			For Grade 2, Deduct	-7.42	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	2.97	
			For Interchangeable Core, Add	9.45	
08 71 11 00-2330	EA		Bath/Bedroom Privacy F76 Bored Lockset.....	292.74	27.24
			Note: Locked with push button inside.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	5.51	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	9.19	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	64.87	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	34.18	
			For Grade 2, Deduct	-9.19	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.68	
			For Interchangeable Core, Add	9.45	
08 71 11 00-2331	EA		Entrance/Office F82 Bored Lockset.....	321.27	27.24
			Note: Locked with key outside and push button inside.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	6.37	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	10.62	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	74.94	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	39.49	
			For Grade 2, Deduct	-10.62	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	4.25	
			For Interchangeable Core, Add	9.45	
08 71 11 00-2332	EA		Classroom F84 Bored Lockset.....	321.27	27.24
			Note: Locked with key outside. Inside always unlocked.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	6.37	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	10.62	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	74.94	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	39.49	
			For Grade 2, Deduct	-10.62	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	4.25	
			For Interchangeable Core, Add	9.45	
08 71 11 00-2333	EA		Storeroom/Closet F86 Bored Lockset.....	321.27	27.24
			Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	6.37	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	10.62	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	74.94	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	39.49	
			For Grade 2, Deduct	-10.62	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	4.25	
			For Interchangeable Core, Add	9.45	
08 71 11 00-2334	EA		Corridor/Dormitory F90 Bored Lockset.....	321.27	27.24
			Note: Locked with key outside and push button inside.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	6.37	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	10.62	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	74.94	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	39.49	
			For Grade 2, Deduct	-10.62	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	4.25	
			For Interchangeable Core, Add	9.45	
<b>08 71 11 00-2335</b>			<b>Locks And Latches (Schlage ND Series)</b> <small>(08 71 11 00-2321)</small>		
			Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1		
08 71 11 00-2336	EA		Exit Door Lever Set with Exterior Blank Plate, Satin Chrome Finish (Schlage ND25D-RHO).....	422.58	27.24
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	10.23	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	17.04	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	6.82	
08 71 11 00-2337	EA		Passage Door Lever Set, Satin Chrome Finish (Schlage ND10S-RHO).....	398.93	27.24
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	9.52	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	15.86	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	6.34	





<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2338 EA Privacy Door Lever Set, Satin Chrome Finish (Schlage ND40S-RHO).....	450.83	27.24
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	11.07	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	18.46	
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	7.38	
08 71 11 00-2339 EA Hospital Privacy Door Lever Set, Satin Chrome Finish (Schlage ND44S-RHO).....	440.79	27.24
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	10.77	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	17.95	
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	7.18	
08 71 11 00-2340 EA Entrance/Office Door Lever Set, Satin Chrome Finish (Schlage ND50PD-RHO).....	520.58	27.24
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	13.17	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	21.94	
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	8.78	
08 71 11 00-2341 EA Entrance Door Lever Set, Satin Chrome Finish (Schlage ND53PD-RHO).....	517.68	27.24
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	13.08	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	21.80	
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	8.72	
08 71 11 00-2342 EA Classroom Door Lever Set, Satin Chrome Finish (Schlage ND70D-RHO).....	545.82	27.24
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	13.92	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	23.20	
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	9.28	
08 71 11 00-2343 EA Corridor Door Lever Set, Satin Chrome Finish (Schlage ND73D-RHO).....	517.68	27.24
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	13.08	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	21.80	
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	8.72	
08 71 11 00-2344 EA Storeroom Door Lever Set, Satin Chrome Finish (Schlage ND80PD-RHO).....	496.92	27.24
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	12.46	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	20.76	
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	8.30	
08 71 11 00-2345 EA ND Series 6-Pin Cylinder with "C" Keyway, Satin Chrome (Schlage 23-065 C).....	72.92	
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	1.37	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	2.28	
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	0.91	
08 71 11 00-2346 EA Commercial Full Size Interchangeable Core "C" Keyway (Schlage 23-030 C).....	85.10	
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	1.74	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	2.89	
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	1.16	
<b>08 71 11 00-2347 Other Locks (08 71 11 00-2305)</b>		
Note: BHMA A156.5.		
08 71 11 00-2348 EA Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421 .....	847.28	141.67
08 71 11 00-2349 EA Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461 .....	1,896.17	283.33
08 71 11 00-2350 EA One Sided Deadbolt For Restroom Or Public Toilet .....	104.02	
Note: No exterior plate.		
08 71 11 00-2351 EA Firehose Extinguisher Cabinet Lock .....	92.22	
<b>08 71 11 00-2352 Pushbutton Combination Locks (08 71 11 00-2305)</b>		
<b>08 71 11 00-2353 Mechanical Pushbutton Combination Locks (08 71 11 00-2352)</b>		
Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.		
<b>08 71 11 00-2354 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series)</b>		
(08 71 11 00-2353)		
Note: Satin chrome or antique brass finish.		
08 71 11 00-2355 EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series) .....	669.03	68.60
For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2356 EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series).....	715.46	68.60
For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2357 EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series) .....	734.03	68.60
For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2358 EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series) .....	780.46	68.60
For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2359 EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series) .....	747.96	68.60
For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2360 EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series).....	794.39	68.60
For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2361 EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series).....	812.96	68.60
For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2362 EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series).....	859.39	68.60
For Bright Chrome Or Bright Brass Finish, Add	17.50	
<b>08 71 11 00-2363 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series)</b>		
(08 71 11 00-2353)		
Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.		

**08 Openings****08 70 Hardware**

08 71 Door Hardware



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-2364	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	736.82	68.60
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2365	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	773.96	68.60
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2366	EA	Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	848.24	68.60
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2367	EA	Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	876.10	68.60
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2368	EA	Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	876.10	68.60
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2369	EA	Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	829.67	68.60
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
<b>08 71 11 00-2370</b>		<b>Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series)</b>		
		<small>(08 71 11 00-2353)</small> Note: Satin chrome or antique brass finish.		
08 71 11 00-2371	EA	Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	882.60	68.60
		<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2372	EA	Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	910.46	68.60
		<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
<b>08 71 11 00-2373</b>		<b>Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470)</b>		
		<small>(08 71 11 00-2353)</small> Note: Satin stainless, bright brass or antique brass finish.		
08 71 11 00-2374	EA	Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series).....	402.54	68.60
08 71 11 00-2375	EA	Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series).....	525.11	68.60
<b>08 71 11 00-2376</b>		<b>Electrical Pushbutton Combination Locks</b> <small>(08 71 11 00-2352)</small>		
		Note: Privacy option limits access to privileged users (master codes).		
<b>08 71 11 00-2377</b>		<b>Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series)</b> <small>(08 71 11 00-2376)</small>		
		Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.		
08 71 11 00-2378	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	692.25	68.60
		<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2379	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	803.67	68.60
		<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2380	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	831.53	68.60
		<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2381	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	785.10	68.60
		<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2382	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	738.68	68.60
		<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2383	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	831.53	68.60
		<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2384	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	850.10	68.60
		<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2385	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	877.96	68.60
		<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2386	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	831.53	68.60
		<i>For Satin Brass Finish, Add</i>	17.50	
<b>08 71 11 00-2387</b>		<b>Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series)</b> <small>(08 71 11 00-2376)</small>		
		Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.		



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2388	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	877.96	68.60
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	97.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2389	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	877.96	68.60
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	97.16	
			<i>Note: Excludes momentary contact switch.</i>		
<b>08 71 11 00-2390</b>			<b>Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series)</b> <small>(08 71 11 00-2376)</small>		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2391	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	1,021.88	68.60
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	97.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2392	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	1,021.88	68.60
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	97.16	
			<i>Note: Excludes momentary contact switch.</i>		
<b>08 71 11 00-2393</b>			<b>Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series)</b> <small>(08 71 11 00-2376)</small>		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2394	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,096.17	68.60
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	97.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2395	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,189.02	68.60
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	97.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2396	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,207.59	68.60
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	97.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2397	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,235.45	68.60
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	97.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2398	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,189.02	68.60
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	97.16	
			<i>Note: Excludes momentary contact switch.</i>		
<b>08 71 11 00-2399</b>			<b>Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series)</b> <small>(08 71 11 00-2376)</small>		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2400	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,537.23	68.60
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	97.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2401	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,630.08	68.60
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	97.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2402	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,648.65	68.60
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	97.16	
			<i>Note: Excludes momentary contact switch.</i>		

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2403	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,676.51	68.60
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	97.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2404	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,630.08	68.60
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	97.16	
			<i>Note: Excludes momentary contact switch.</i>		
<b>08 71 11 00-2405</b>			<b>Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series)</b> <small>(08 71 11 00-2376)</small>		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2406	EA		Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series).....	2,168.64	68.60
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	35.00	
<b>08 71 11 00-2407</b>			<b>Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series)</b> <small>(08 71 11 00-2376)</small>		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2408	EA		Twelve Button, Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series).....	1,374.73	68.60
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
<b>08 71 11 00-2409</b>			<b>Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®)</b> <small>(08 71 11 00-2376)</small>		
08 71 11 00-2410	EA		Standard Software Implementation Kit (Kaba® E-Plex®).....	683.79	
08 71 11 00-2411	EA		Enterprise Software Implementation Kit (Kaba® E-Plex®).....	869.49	
08 71 11 00-2412	EA		E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®).....	1,148.06	
08 71 11 00-2413	EA		USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®).....	346.53	
08 71 11 00-2414	EA		High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series).....	105.44	
			<i>Note: Includes 4 C-cell battery pack.</i>		
08 71 11 00-2415	EA		12-24 Volt DC Power Interface Kit (Kaba® E-Plex® E5x00 Series).....	124.94	
<b>08 71 11 00-2416</b>			<b>Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series)</b> <small>(08 71 11 00-2376)</small>		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome finish.</i>		
08 71 11 00-2417	EA		Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	854.74	68.60
			<i>For Owner Furnished Material, Deduct</i>	-580.34	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2418	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	966.17	68.60
			<i>For Owner Furnished Material, Deduct</i>	-691.77	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2419	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	994.03	68.60
			<i>For Owner Furnished Material, Deduct</i>	-719.63	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2420	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	947.60	68.60
			<i>For Owner Furnished Material, Deduct</i>	-673.20	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2421	EA		Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	901.17	68.60
			<i>For Owner Furnished Material, Deduct</i>	-626.77	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2422	EA		Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	994.03	68.60
			<i>For Owner Furnished Material, Deduct</i>	-719.63	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2423	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	1,012.60	68.60
			<i>For Owner Furnished Material, Deduct</i>	-738.20	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2424	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	1,040.45	68.60
			<i>For Owner Furnished Material, Deduct</i>	-766.05	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2425	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	994.03	68.60
			<i>For Owner Furnished Material, Deduct</i>	-719.63	
			<i>For Satin Brass Finish, Add</i>	17.50	



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 71 11 00-2426 Electrical Pushbutton Combination Locks (Schlage)</b> <small>(08 71 11 00-2376)</small>		
Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2427 EA Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D) .....	981.48	68.11
<i>For Owner Furnished Material, Deduct</i>	-709.05	
08 71 11 00-2428 EA Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D) .....	1,140.65	68.11
<i>For Owner Furnished Material, Deduct</i>	-868.22	
08 71 11 00-2429 EA Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626) .....	1,290.53	68.11
<i>For Owner Furnished Material, Deduct</i>	-1,018.10	
08 71 11 00-2430 EA Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626) .....	1,693.63	68.11
<i>For Owner Furnished Material, Deduct</i>	-1,421.20	
08 71 11 00-2431 EA Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626) .....	1,853.84	68.11
<i>For Owner Furnished Material, Deduct</i>	-1,581.41	
08 71 11 00-2432 EA Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626) .....	2,041.95	68.11
<i>For Owner Furnished Material, Deduct</i>	-1,769.52	
08 71 11 00-2433 EA Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626) .....	1,874.51	68.11
<i>For Owner Furnished Material, Deduct</i>	-1,602.08	
<b>08 71 11 00-2434 Residential Locks And Latchsets</b> <small>(08 71 11 00-2305)</small>		
08 71 11 00-2435 EA Residential Entry Lockset With Knobs (Master Keyed) .....	81.39	16.47
08 71 11 00-2436 EA Residential Privacy Lockset With Knobs .....	79.64	16.47
08 71 11 00-2437 EA Residential Passage Lockset With Knobs .....	79.41	16.47
08 71 11 00-2438 EA Residential Dummy Lockset With Knobs .....	62.92	13.72
08 71 11 00-2439 EA Residential Entry Lockset With Levers (Master Keyed) .....	93.46	16.47
08 71 11 00-2440 EA Residential Privacy Lockset With Levers .....	89.45	16.47
08 71 11 00-2441 EA Residential Passage Lockset With Levers .....	86.55	16.47
08 71 11 00-2442 EA Residential Dummy Lockset With Levers .....	64.30	13.72
<b>08 71 11 00-2443 Deadbolts</b> <small>(08 71 11 00-2305)</small>		
<b>08 71 11 00-2444 Cylindrical Deadbolts, Grade 1, ANSI 156.5</b> <small>(08 71 11 00-2443)</small>		
Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2445 EA Single Cylinder Deadbolt, Key One Side, Knob One Side .....	168.36	27.24
Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2446 EA Double Cylinder Deadbolt, Key Both Sides .....	189.85	27.24
Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
<b>08 71 11 00-2447 Cylindrical Deadbolts, Grade 2, ANSI 156.5</b> <small>(08 71 11 00-2443)</small>		
Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2448 EA Single Cylinder Deadbolt, Key One Side, Knob One Side .....	153.64	27.24
Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2449 EA Double Cylinder Deadbolt, Key Both Sides .....	177.12	27.24
Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
<b>08 71 11 00-2450 Small Case Mortised Deadbolts, Grade 1, ANSI 156.5</b> <small>(08 71 11 00-2443)</small>		
Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.		
08 71 11 00-2451 EA Small Case Mortised Deadbolt, Key One Side, Knob One Side .....	217.21	27.24
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		
08 71 11 00-2452 EA Small Case Mortised Deadbolt, Key Both Sides .....	237.11	27.24
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.		
08 71 11 00-2453 EA Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side .....	213.23	27.24
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		
<b>08 71 11 00-2454 Mortised Deadbolts, Grade 1, ANSI 156.5</b> <small>(08 71 11 00-2443)</small>		
Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.		
08 71 11 00-2455 EA Mortised Deadbolt, Key One Side, Knob One Side .....	271.33	27.24
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).		
08 71 11 00-2456 EA Mortised Deadbolt, Key Both Sides .....	303.97	27.24
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.		
08 71 11 00-2457 EA Mortised Deadbolt, Key One Side, Cover Plate One Side .....	243.48	27.24
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).		
<b>08 71 11 00-2458 Surface Mounted Deadbolts</b> <small>(08 71 11 00-2443)</small>		

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2459 EA Single Cylinder Surface Mounted Deadbolt ..... Note: Key one side, knob one side, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	121.58 10.50	27.24
08 71 11 00-2460 EA Double Cylinder Surface Mounted Deadbolt ..... Note: Key both sides, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	135.96 10.50	27.24
08 71 11 00-2461 EA Single Cylinder Surface Mounted Interlocking Deadbolt ..... Note: Jimmy proof, key one side, knob one side, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	147.39 10.50	27.24
08 71 11 00-2462 EA Double Cylinder Surface Mounted Interlocking Deadbolt ..... Note: Jimmy proof, key both sides, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	161.77 10.50	27.24
<b>08 71 11 00-2463 Surface Mounted Deadlatches</b> (08 71 11 00-2305)		
08 71 11 00-2464 EA Single Cylinder Surface Mounted Deadlatch ..... Note: Key one side, knob one side, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	122.70 10.50	27.24
08 71 11 00-2465 EA Single Cylinder Surface Mounted Interlocking Deadlatch ..... Note: Jimmy proof, key one side, knob one side, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	147.44 10.50	27.24
<b>08 71 11 00-2466 Electric Strikes</b> (08 71 11 00-2305)		
08 71 11 00-2467 EA 12/24 Volt DC, Fail Safe/Fail Secure, Aluminum/Steel Body Electric Strike (Von Duprin 5100) .....	355.18	54.48
08 71 11 00-2468 EA 12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6111) ..... Note: For rim mounted lock	1,067.23	54.48
08 71 11 00-2469 EA 12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6112) ..... Note: For rim mounted lock	1,019.04	54.48
08 71 11 00-2470 EA 24 Volt DC, Fail Secure, Stainless Steel Body Electric Strike (Von Duprin 6211) ..... Note: For mortise or cylindrical locks	782.30	54.48
08 71 11 00-2471 EA 24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6212) ..... Note: For mortise or cylindrical locks	1,072.36	54.48
08 71 11 00-2472 EA 24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6213) ..... Note: For mortise or cylindrical locks	1,051.46	54.48
08 71 11 00-2473 EA 24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6214) ..... Note: For mortise or cylindrical locks	1,147.91	54.48
08 71 11 00-2474 EA 24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6215) ..... Note: For mortise or cylindrical locks	1,068.10	54.48
08 71 11 00-2475 EA 12/24 Volt DC, 3,070 LB Static Strength, Stainless Steel Body, Dual Voltage Electric Strike (HES 1006) .....	650.43	54.48
08 71 11 00-2476 EA 12/24 Volt DC, 3,000 LB Static Strength, Stainless Steel Body, Fire Rated Electric Strike (HES 4500) .....	646.52	54.48
08 71 11 00-2477 EA 12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Low Profile Electric Strike (HES 5000) .....	310.66	54.48
08 71 11 00-2478 EA 12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Adjustable Electric Strike (HES 5200) .....	310.66	54.48
08 71 11 00-2479 EA 12/24 Volt DC, 1,500 LB Static Strength, Cylindrical Or Rim Exit Device, Stainless Steel Body, Electric Strike With Preload (HES 7000).....	401.88	54.48
08 71 11 00-2480 EA 12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Cylindrical Lock Electric Strike (HES 7500).....	724.53	54.48
08 71 11 00-2481 EA 12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Compact Concealed Electric Strike (HES 8000) .....	352.91	54.48
08 71 11 00-2482 EA 12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Fire Rated Compact Concealed Electric Strike (HES 8300).....	664.94	54.48
08 71 11 00-2483 EA 12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Fire Rated Concealed Electric Strike (HES 8500).....	586.29	54.48
08 71 11 00-2484 EA 12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Slim Line Surface Mounted Electric Strike (HES 9400) .....	694.80	71.92
08 71 11 00-2485 EA 12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Fire Rated Surface Mounted Electric Strike (HES 9500) .....	792.89	71.92
08 71 11 00-2486 EA 12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Surface Mounted Electric Strike (HES 9600).....	695.32	71.92
<b>08 71 11 00-2487 Electric Hardware</b> (08 71 11 00-2305)		
08 71 11 00-2488 EA Electrified Cylindrical Lock Option.....	195.61	
Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.		
08 71 11 00-2489 EA Electrified Mortise Lock Option .....	228.40	
Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.		
08 71 11 00-2490 EA 24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop .....	116.44	27.24
08 71 11 00-2491 EA 1 Ampere At 12/24 Volt DC, Door Hardware Power Supply .....	381.10	27.24
08 71 11 00-2492 EA 3 Amperes At 12 Volt DC, 2 Amperes At 24 Volt DC, Door Hardware Power Supply .....	671.67	27.24
08 71 11 00-2493 EA 4-1/2 Amperes At 12 Volt DC, 3 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,036.35	27.24
08 71 11 00-2494 EA 6 Amperes At 12 Volt DC, 4 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,145.87	27.24
08 71 11 00-2495 EA 9 Amperes At 12 Volt DC, 6 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,370.86	27.24
08 71 11 00-2496 EA 15 Amperes At 12 Volt DC, 10 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,665.70	27.24
08 71 11 00-2497 EA 18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop .....	97.35	27.24
08 71 11 00-2498 EA 24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop .....	99.60	27.24
08 71 11 00-2499 EA 30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop .....	113.41	27.24
08 71 11 00-2500 EA 45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop .....	116.15	27.24
08 71 11 00-2501 EA 60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop .....	117.55	27.24
08 71 11 00-2502 EA 72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop .....	125.47	27.24
08 71 11 00-2503 EA 12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop .....	98.78	27.24
08 71 11 00-2504 EA 18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop .....	109.85	27.24
08 71 11 00-2505 EA 36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop .....	118.62	27.24
08 71 11 00-2506 EA 49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop .....	133.77	27.24
08 71 11 00-2507 EA 60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop .....	137.98	27.24
08 71 11 00-2508 EA 12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop .....	112.62	27.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2509 EA 18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop .....	128.12	27.24
08 71 11 00-2510 EA 18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop .....	75.79	27.24
08 71 11 00-2511 EA 24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop .....	87.78	27.24
08 71 11 00-2512 EA 30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop .....	94.13	27.24
08 71 11 00-2513 EA 36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop .....	100.91	27.24
08 71 11 00-2514 EA 60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop .....	136.24	27.24
08 71 11 00-2515 EA 72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop .....	150.99	27.24
08 71 11 00-2516 EA 12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop .....	80.69	27.24
08 71 11 00-2517 EA 18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop .....	85.32	27.24
08 71 11 00-2518 EA 24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop .....	99.09	27.24
08 71 11 00-2519 EA 36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop .....	121.00	27.24
08 71 11 00-2520 EA 48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop .....	140.60	27.24
08 71 11 00-2521 EA 60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop .....	172.79	27.24
08 71 11 00-2522 EA 12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop .....	88.40	27.24
08 71 11 00-2523 EA 18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop .....	95.49	27.24
08 71 11 00-2524 EA Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	709.58	27.24
08 71 11 00-2525 EA Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	770.02	38.14
08 71 11 00-2526 EA 6 Amp At 12/24 Volt DC, Door Hardware Power Supply (Schlage PS 906) .....	903.50	27.24
<b>08 71 11 00-2527 Magnetic Locks (08 71 11 00-2305)</b>		
08 71 11 00-2528 EA Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40).....	802.45	130.77
08 71 11 00-2529 EA Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ).....	967.00	147.12
08 71 11 00-2530 EA Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70).....	948.07	130.77
08 71 11 00-2531 EA Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ).....	1,112.32	147.12
08 71 11 00-2532 EA Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420) .....	990.19	141.67
08 71 11 00-2533 EA Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450) .....	1,090.06	141.67
08 71 11 00-2534 EA Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490) .....	1,167.80	141.67
08 71 11 00-2535 EA Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P) .....	1,279.57	163.46
Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2536 EA Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P) .....	1,412.33	163.46
Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2537 EA Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490P) .....	1,472.13	163.46
Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2538 EA 2 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902) .....	438.63	54.48
08 71 11 00-2539 EA 4 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904) .....	736.89	54.48
08 71 11 00-2540 EA 6 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906) .....	891.90	54.48
<b>08 71 11 00-2541 Door Coordinators (08 71 11)</b>		
08 71 11 00-2542 EA 32" Satin Chrome Finish, Door Coordinator (Ives COR 32" Series) .....	496.03	34.05
Note: Satin chrome finish. Includes two mounting brackets.		
<i>For Anodized Aluminum Finish, Deduct</i>	-143.92	
08 71 11 00-2543 EA 42" Satin Chrome Finish, Door Coordinator (Ives COR 42" Series) .....	521.13	35.42
Note: Satin chrome finish. Includes two mounting brackets.		
<i>For Anodized Aluminum Finish, Deduct</i>	-151.78	
08 71 11 00-2544 EA 52" Satin Chrome Finish, Door Coordinator (Ives COR 52" Series) .....	533.21	36.78
Note: Satin chrome finish. Includes two mounting brackets.		
<i>For Anodized Aluminum Finish, Deduct</i>	-154.44	
08 71 11 00-2545 EA 60" Satin Chrome Finish, Door Coordinator (Ives COR 60" Series) .....	556.56	38.14
Note: Satin chrome finish. Includes two mounting brackets.		
<i>For Anodized Aluminum Finish, Deduct</i>	-161.60	
08 71 11 00-2546 EA 72" Satin Chrome Finish, Door Coordinator (Ives COR 72" Series) .....	597.53	39.50
Note: Satin chrome finish. Includes two mounting brackets.		
<i>For Anodized Aluminum Finish, Deduct</i>	-175.81	
08 71 11 00-2547 EA Up To 20", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 20").....	115.04	10.90
<i>For Anodized Aluminum Finish, Deduct</i>	-28.58	
08 71 11 00-2548 EA Up To 32", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 32").....	126.55	12.26
<i>For Anodized Aluminum Finish, Deduct</i>	-31.00	
08 71 11 00-2549 EA Up To 44", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 44").....	145.67	13.63
<i>For Anodized Aluminum Finish, Deduct</i>	-36.48	
08 71 11 00-2550 EA Satin Chrome Finish, Carry Bar For Door Coordinator (Ives CB1) .....	105.27	13.63
08 71 11 00-2551 EA 7" Projection COR Series Gravity Type Door Coordinator.....	155.42	20.43
<i>For Anodized Aluminum Finish, Deduct</i>	-29.48	
08 71 11 00-2552 EA 9" Projection COR Series Gravity Type Door Coordinator.....	167.21	20.43
<i>For Anodized Aluminum Finish, Deduct</i>	-34.19	
<b>08 71 11 00-2553 Removal And Reinstallation Of Door Hardware (08 71 11)</b>		
Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0050 for removal and reinstallation of door.		
08 71 11 00-2554 EA Removal And Reinstallation Of Door Lockset, Entrance.....	81.73	
08 71 11 00-2555 EA Removal And Reinstallation Of Door Lockset, Mortise .....	130.76	
08 71 11 00-2556 EA Removal And Reinstallation Of Deadbolt Lock .....	87.18	
08 71 11 00-2557 PR Removal And Reinstallation Of Butts/Hinges.....	21.79	
08 71 11 00-2558 EA Removal And Reinstallation Of Door Bumper.....	7.62	
08 71 11 00-2559 EA Removal And Reinstallation Of Surface Mounted Panic Device .....	217.95	
08 71 11 00-2560 EA Removal And Reinstallation Of Kick Plate .....	27.24	
08 71 11 00-2561 EA Removal And Reinstallation Of Push Plate.....	21.79	
08 71 11 00-2562 EA Removal And Reinstallation Of Surface Mounted Door Closer Or Holder .....	108.97	
08 71 11 00-2563 EA Removal And Reinstallation Of Door Handles.....	16.36	

**08 Openings****08 70 Hardware****08 71 Door Hardware**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2564			<b>Electromagnetic Door Release</b> <small>(08 71 11)</small>		
08 71 11 00-2565	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Surface Wiring, Electro-Magnetic Door Release .....	574.58	68.65
08 71 11 00-2566	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release .....	559.92	68.65
08 71 11 00-2567	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Adjustable, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release .....	633.78	68.65
08 71 11 00-2568	EA		24 Volt AC/DC, High Hold, Wall Mount, Surface Or Recessed Wiring, Electro-Magnetic Door Release .....	1,069.74	68.65
08 71 11 00-2569	EA		24 Volt DC, Sliding Door, Electro-Magnetic Door Release .....	1,030.86	68.65
08 71 11 00-2570	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Overhead Door, Electro-Magnetic Door Release .....	1,030.86	68.65
08 71 11 00-2571	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Single Door, Electro-Magnetic Door Release .....	935.78	68.65
08 71 11 00-2572	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Back-to-Back Door, Electro-Magnetic Door Release .....	1,176.18	68.65
08 71 11 00-2573	EA		Photo Electric Smoke Detector Suitable For Door Holder Release .....	1,113.78	68.65
08 71 11 00-2574	EA		Ionization Type Smoke Detector Suitable For Door Holder Release .....	1,384.41	68.65
08 71 11 00-2575	EA		Surface Wall Mount, Electromagnetic Door Holder (Sargent 1560) .....	647.67	68.65
			Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2576	EA		Flush Mount, Electromagnetic Door Holder (Sargent 1561) .....	636.32	68.65
			Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2577	EA		Floor Mount, Electromagnetic Door Holder (LCN SEM7820) .....	991.37	68.65
			Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2578	EA		Surface Wall Mount, Electromagnetic Door Holder (LCN SEM7830) .....	683.98	68.65
			Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2579	EA		Low Profile Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7840) .....	683.98	68.65
			Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2580	EA		Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7850) .....	683.98	68.65
			Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2581			<b>University Hardware Standard</b> <small>(08 71 11)</small>		
08 71 11 00-2582	EA		Unit Lock X Less Cylinder X 626 Finish X LH (Corbin Russwin UT5257ESE) .....	1,321.69	81.73
08 71 11 00-2583	EA		Von Duprin #CD99L Exit Device X 994LR X 626 Finish .....	2,281.15	170.54
08 71 11 00-2584	EA		LCN #L4041EDA Surface Mounted Closer X Aluminum .....	674.55	83.91
08 71 11 00-2585	EA		Schlage #L9453 Mortise Lockset X 626 X Less Cylinder X 03A .....	832.88	54.48
08 71 11 00-2586	EA		Alarm Lock Mortise Combination Lockset #DL3500 X 626 Finish .....	2,082.18	136.22
08 71 11 00-2587	EA		Medeco #10W0500 Mortise Lock Cylinder X 626 E3M Keyway .....	186.50	13.63
08 71 11 00-2588	EA		Corbin #1000-114-A01-6 Br 6 Mortise Cylinder X 626 Finish .....	99.63	13.63
08 71 11 00-2589	EA		Quality #431ES Door Stop X 626 Finish .....	30.48	10.90
08 71 11 00-2590	EA		Quality #48 Kick Plate 10x34, 626 Finish .....	76.12	16.35
08 71 11 00-2591	EA		Medeco 20W5005 X 626 Finish X E3M Keyway .....	268.23	54.48
08 71 11 00-2592	EA		Panel Interface Module (Schlage PIM400-485) .....	3,461.93	435.90
08 71 13			<b>Automatic Door Operators</b> <small>(08 71)</small>		
08 71 13 00-0001			<b>Automatic Door Operators (LCN)</b> <small>(08 71 13)</small>		
08 71 13 00-0002	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Arm (LCN 9131) .....	3,110.03	136.22
08 71 13 00-0003	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Arm (LCN 9142) .....	3,110.03	136.22
08 71 13 00-0004	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator With Arms (LCN 9153) .....	6,110.11	217.95
08 71 13 00-0005	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Pull Arm (LCN 9531) .....	3,900.42	136.22
			Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.		
08 71 13 00-0006	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Push Arm (LCN 9542) .....	3,900.42	136.22
			Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.		
08 71 13 00-0007	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator with Arms (LCN 9553) .....	6,705.14	217.95
08 71 13 00-0008	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator with Arms (LCN 9563) .....	7,895.20	217.95
08 71 13 00-0009	EA		Door Position Switch (LCN 8310-805) .....	64.65	
08 71 13 00-0010	EA		3-Position Key Switch (LCN 8310-806K) .....	351.50	
08 71 13 00-0011	EA		4-3/4" x 4-3/4" Wall Mount Actuator (LCN 8310-813) .....	844.21	
08 71 13 00-0012	EA		1-1/2" x 4-3/4" Jamb Mount Actuator (LCN 8310-818) .....	188.04	
08 71 13 00-0013	EA		36" High Full Length Actuator (LCN 8310-836T) .....	770.98	
08 71 13 00-0014	EA		6" Round Wall Mount Actuator (LCN 8310-852) .....	259.80	
08 71 13 00-0015	EA		42" x 4" x 6" Post Bollard (LCN 8310-866) .....	918.63	
08 71 13 00-0016	EA		Small Format Interchangeable Core (SFIC) Horizontal Tailpiece Rim Cylinder (Schlage 80-116-ICX) .....	101.71	
08 71 13 00-0017	EA		Small Format Interchangeable Core (SFIC) 7 Pin Interchangeable Core (Falcon C607) .....	128.96	
08 71 13 00-0018	EA		Automatic Door Operator, 120 Volt, Surface Mount With Arm (LCN 4640 Series) .....	5,015.20	
08 71 13 00-0019			<b>Automatic Door Operators (Stanley)</b> <small>(08 71 13)</small>		
08 71 13 00-0020	EA		Automatic Door Operator, Surface Mount With Key Switch (Stanley D-4990) .....	3,924.35	217.95
08 71 13 00-0021	EA		6" Round Stainless Steel Actuator (Stanley CL2216) .....	241.53	
08 71 13 00-0022	EA		Power Supply (Stanley Precision ELR151) .....	843.34	
08 71 13 00-0023	EA		Low Energy Door Operator, Push Side Mount Application With Standard Arm (Stanley D-4990) .....	3,001.87	108.97
			Note: Includes control box with conduit access, motor, operator and D-4550 door closer. Excludes electrical connections		
08 71 13 00-0024	EA		Door Operator Free Standing Push Plate Post (Stanley CL2247) .....	477.35	72.68
			Note: Includes mounting post only		





<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 13 00-0025	EA		Dual Vestibule Push Plate Door Operator (Stanley CL2388).....310.78 Note: Includes 4-3/4" Dual Vestibule Push Plate and electrical connection. Excludes junction Box	310.78	32.05
08 71 13 00-0026	EA		Jamb Mount, Push Plate Door Operator (Stanley CL2055).....189.96 Note: Includes 4-3/4" Jamb Mount Push Plate and Electrical Connections. Excludes junction Box	189.96	32.05
08 71 13 00-0027	EA		Touchless Plate Door Operator (Stanley CL2025).....306.64 Note: Includes Touchless Plate and Electrical Connection. Excludes junction Box	306.64	32.05
08 71 13 00-0028	EA		Door Operator Push Plate Assembly (Stanley CL4976) .....1,065.73 Note: Includes 2 Push Plates, 2 Surface Boxes, 2 Transmitters and 1 Receiver	1,065.73	48.12
<b>08 71 13 00-0029    Miscellaneous Devices (08 71 13)</b>					
08 71 13 00-0030	EA		Electric Power Transformer (Von Duprin EPT-2) For Magnetic Monitor Switches.....447.84	447.84	40.87
08 71 13 00-0031	EA		Magnetic Monitor Switch, SS Finish (Von Duprin MS 764).....136.59	136.59	24.52
08 71 13 00-0032	EA		24 Volt AC, 3 Amperes, Transformer (Von Duprin PT 750).....171.61	171.61	24.52
08 71 13 00-0033	EA		Automatic Door Bottoms, Fully Mortise Cam Bottom Type To Fit 1-1/2" x 3/4" Mortise Channel At Door Bottom (National Guard Products 320S).....99.41	99.41	24.52
<b>08 71 53    Security Door Hardware (08 71)</b>					
<b>08 71 53 00-0001    Door Exit Alarm Hardware (08 71 53)</b>					
08 71 53 00-0002	EA		Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500) .....367.26	367.26	40.87
08 71 53 00-0003	EA		Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W).....511.57	511.57	40.87
08 71 53 00-0004	EA		Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300) .....428.90 Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	428.90	40.87
08 71 53 00-0005	EA		Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W).....556.53 Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	556.53	40.87
08 71 53 00-0006	EA		Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500) .....645.04	645.04	54.48
08 71 53 00-0007	EA		Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S).....112.85 Note: For use with Detex EAX exit alarms.	112.85	54.48
<b>08 72    Weatherstripping, Thresholds and Seals (08 72)</b>					
<b>08 72 33    Weatherstripping and Seals (08 72)</b>					
<b>08 72 33 00-0001    Weather-Stripping And Seals (08 72 33)</b>					
<b>08 72 33 00-0002    Astragals (08 72 33 00-0001)</b> Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.					
<b>08 72 33 00-0003    Adhesive Backed Astragals (08 72 33 00-0002)</b>					
08 72 33 00-0004	LF		7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771).....4.31	4.31	0.82
08 72 33 00-0005	LF		1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772) .....4.78	4.78	0.82
08 72 33 00-0006	LF		1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110) .....3.70	3.70	0.82
<b>08 72 33 00-0007    Overlapping Astragals (08 72 33 00-0002)</b>					
<b>08 72 33 00-0008    Aluminum, Overlapping Astragals (08 72 33 00-0007)</b>					
08 72 33 00-0009	LF		2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C) .....17.58 <i>For Color Anodized Finish, Add</i> 2.37	17.58 2.37	4.90
<b>08 72 33 00-0010    Stainless Steel, Overlapping Astragals (08 72 33 00-0007)</b>					
08 72 33 00-0011	LF		2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS).....34.39	34.39	4.90
<b>08 72 33 00-0012    "T" Astragals (08 72 33 00-0002)</b>					
<b>08 72 33 00-0013    Aluminum, "T" Astragals (08 72 33 00-0012)</b>					
08 72 33 00-0014	LF		1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A).....11.81 <i>For Color Anodized Finish, Add</i> 0.74	11.81 0.74	4.90
08 72 33 00-0015	LF		Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV).....14.58 <i>For Color Anodized Finish, Add</i> 0.98	14.58 0.98	4.90
08 72 33 00-0016	LF		Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP) .....15.01 <i>For Color Anodized Finish, Add</i> 1.86 <i>For Silicone Insert, Add</i> 0.63	15.01 1.86 0.63	4.90
08 72 33 00-0017	LF		Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR) .....26.86 <i>For Color Anodized Finish, Add</i> 6.01	26.86 6.01	4.90
08 72 33 00-0018	LF		Silicon Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BS).....84.07	84.07	4.90
08 72 33 00-0019	LF		Silicon Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CS).....18.64	18.64	4.90
08 72 33 00-0020	LF		Silicon Insert, 1-3/8" Width, 1/4" Height, Satin Nickel Anodized Aluminum, "T" Astragal (Pemko 355SNS).....21.73	21.73	4.90
<b>08 72 33 00-0021    Brass/Bronze, "T" Astragals (08 72 33 00-0012)</b>					
08 72 33 00-0022	LF		Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP).....76.96 <i>For Silicone Insert, Add</i> 0.63	76.96 0.63	4.90
<b>08 72 33 00-0023    Locking Astragals (08 72 33 00-0002)</b>					

<b>08</b>	<b>08</b>	<b>Openings</b>
	<b>08 70</b>	<b>Hardware</b>
	<b>08 72</b>	<b>Weatherstripping, Thresholds and Seals</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 72 33 00-0024	<b>Outswing Locking Astragals</b> <small>(08 72 33 00-0023)</small> Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.		
08 72 33 00-0025	<b>Aluminum, Outswing Locking Astragals</b> <small>(08 72 33 00-0024)</small>		
08 72 33 00-0026	LF Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS) ..... Note: Includes pile seal at inner door edge and neoprene bottom seal.	35.59	4.90
	<i>For Color Anodized Finish, Add</i>	5.18	
08 72 33 00-0027	LF Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS) ..... Note: Includes pile seal at inner door edge and neoprene bottom seal.	41.14	4.90
	<i>For Color Anodized Finish, Add</i>	6.29	
08 72 33 00-0028	LF Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ) ..... Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	39.79	4.90
	<i>For Thermal Break, Add</i>	1.81	
08 72 33 00-0029	LF Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ) ..... Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	44.30	4.90
	<i>For Thermal Break, Add</i>	2.08	
08 72 33 00-0030	<b>Inswing Locking Astragals</b> <small>(08 72 33 00-0023)</small> Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
08 72 33 00-0031	<b>Wood, Inswing Locking Astragals</b> <small>(08 72 33 00-0030)</small>		
08 72 33 00-0032	LF Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832).....	41.48	4.90
08 72 33 00-0033	LF Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q)..... Note: Includes kerf-in foam seal.	41.28	4.90
08 72 33 00-0034	<b>Aluminum, Inswing Locking Astragals</b> <small>(08 72 33 00-0030)</small>		
08 72 33 00-0035	LF Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV) ..... Note: Includes pile seal at inner door edge and neoprene bottom seal.	23.95	4.90
	<i>For Silicone Insert, Add</i>	0.63	
	<i>For Color Anodized Finish, Add</i>	2.85	
08 72 33 00-0036	LF Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV) ..... Note: Includes pile seal at inner door edge and neoprene bottom seal.	28.59	4.90
	<i>For Silicone Insert, Add</i>	0.63	
	<i>For Color Anodized Finish, Add</i>	3.78	
08 72 33 00-0037	LF Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ)..... Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	25.71	4.90
	<i>For Magnetic Kerf-In Insert, Add</i>	0.47	
	<i>For Color Anodized Finish, Add</i>	3.20	
08 72 33 00-0038	LF Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ)..... Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	30.31	4.90
	<i>For Magnetic Kerf-In Insert, Add</i>	0.47	
	<i>For Color Anodized Finish, Add</i>	4.12	
08 72 33 00-0039	<b>Security Astragals</b> <small>(08 72 33 00-0002)</small>		
08 72 33 00-0040	LF Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C)..... <i>For Color Anodized Finish, Add</i>	22.41	4.90
08 72 33 00-0041	LF 2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP) .....	37.01	4.90
08 72 33 00-0042	<b>Meeting Stile Astragals</b> <small>(08 72 33 00-0002)</small>		
08 72 33 00-0043	<b>One Piece, Meeting Stile Astragals</b> <small>(08 72 33 00-0042)</small> Note: Includes an astragal for one door only.		
08 72 33 00-0044	LF 1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP)..... <i>For Color Anodized Finish, Add</i>	14.42	4.90
	<i>For Color Anodized Finish, Add</i>	1.42	
08 72 33 00-0045	LF 1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN) .....	22.44	7.30
	<i>For Color Anodized Finish, Add</i>	3.16	
08 72 33 00-0046	LF 9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN) .....	29.30	7.30
	<i>For Color Anodized Finish, Add</i>	1.48	
08 72 33 00-0047	LF 15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN)..... <i>For Color Anodized Finish, Add</i>	30.18	7.30
	<i>For Color Anodized Finish, Add</i>	3.91	
08 72 33 00-0048	LF 1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71).....	44.89	7.30
08 72 33 00-0049	LF 1.50" Wide x 0.093" High, Stainless Steel Astragal, Meeting Stile Astragal (Zero 44STST).....	30.38	7.30
08 72 33 00-0050	<b>Two Piece, Meeting Stile Split Astragals</b> <small>(08 72 33 00-0042)</small> Note: Includes one astragal for each door.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0051 LF 1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV) .....	18.18	7.30
<i>For Silicone Insert, Add</i> .....	0.95	
<i>For Color Anodized Finish, Add</i> .....	3.63	
08 72 33 00-0052 LF 1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV) .....	18.18	7.30
<i>For Color Anodized Finish, Add</i> .....	3.63	
08 72 33 00-0053 LF 1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV) .....	18.18	7.30
<i>For Silicone Insert, Add</i> .....	0.95	
<i>For Color Anodized Finish, Add</i> .....	3.63	
08 72 33 00-0054 LF 3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN) .....	27.80	7.30
<i>For Silicone Insert, Add</i> .....	0.63	
<i>For Color Anodized Finish, Add</i> .....	2.65	
08 72 33 00-0055 LF 3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB) .....	23.07	7.30
<i>For Color Anodized Finish, Add</i> .....	3.41	
08 72 33 00-0056 LF 5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB) .....	23.70	7.30
<i>For Color Anodized Finish, Add</i> .....	3.66	
08 72 33 00-0057 LF 3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV) .....	28.43	7.30
<i>For Color Anodized Finish, Add</i> .....	6.94	
<i>For Silicone Insert, Add</i> .....	0.95	
08 72 33 00-0058 LF 3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB) .....	29.06	7.30
<i>For Color Anodized Finish, Add</i> .....	5.80	
08 72 33 00-0059 LF 5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB) .....	29.69	7.30
<i>For Color Anodized Finish, Add</i> .....	6.06	
<b>08 72 33 00-0060 Two Piece, Adjustable Meeting Stile Split Astragals (08 72 33 00-0042)</b>		
Note: Includes one astragal for each door.		
<b>08 72 33 00-0061 Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (08 72 33 00-0060)</b>		
08 72 33 00-0062 LF 3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP) .....	52.09	7.30
<i>For Color Anodized Finish, Add</i> .....	9.39	
<i>For Silicone Insert, Add</i> .....	0.63	
08 72 33 00-0063 LF 3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP) .....	53.08	7.30
<i>For Silicone Insert, Add</i> .....	0.63	
<i>For Color Anodized Finish, Add</i> .....	7.71	
<b>08 72 33 00-0064 Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (08 72 33 00-0060)</b>		
08 72 33 00-0065 LF 3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP) .....	242.39	7.30
<i>For Silicone Insert, Add</i> .....	0.63	
08 72 33 00-0066 LF 3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP) .....	226.45	7.30
<i>For Silicone Insert, Add</i> .....	0.63	
<b>08 72 33 00-0067 Door Sweeps (08 72 33 00-0001)</b>		
<b>08 72 33 00-0068 Tack On Door Sweeps (08 72 33 00-0067)</b>		
08 72 33 00-0069 LF For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365) .....	6.56	2.73
08 72 33 00-0070 LF For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364) .....	6.66	2.73
08 72 33 00-0071 LF For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V) .....	6.93	2.73
<b>08 72 33 00-0072 Aluminum Retainer Door Sweeps (08 72 33 00-0067)</b>		
<b>08 72 33 00-0073 35 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0072)</b>		
Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0074 LF 5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB) .....	15.46	5.45
<i>For Color Anodized Finish, Add</i> .....	1.83	
08 72 33 00-0075 LF 1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB) .....	15.94	5.45
<i>For Color Anodized Finish, Add</i> .....	1.77	
<b>08 72 33 00-0076 45 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0072)</b>		
Note: The retainer mounts to the door face with the sweep positioned 45 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0077 LF 1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB) .....	23.51	5.45
<i>For Color Anodized Finish, Add</i> .....	5.05	
08 72 33 00-0078 LF 2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB) .....	25.40	5.45
<i>For Color Anodized Finish, Add</i> .....	5.80	
08 72 33 00-0079 LF 4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB) .....	29.50	5.45
<i>For Color Anodized Finish, Add</i> .....	7.44	

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0080			<b>90 Degree, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0072) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0081	LF		3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB).....	17.04	5.45
			<i>For Color Anodized Finish, Add</i>	0.62	
08 72 33 00-0082	LF		5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB).....	16.88	5.45
			<i>For Color Anodized Finish, Add</i>	0.60	
08 72 33 00-0083	LF		1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB).....	17.99	5.45
			<i>For Color Anodized Finish, Add</i>	2.49	
08 72 33 00-0084	LF		1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB) .....	18.46	5.45
			<i>For Color Anodized Finish, Add</i>	3.03	
08 72 33 00-0085	LF		7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN).....	16.57	5.45
			<i>For Color Anodized Finish, Add</i>	1.42	
08 72 33 00-0086	LF		11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN).....	20.98	5.45
			<i>For Color Anodized Finish, Add</i>	2.02	
08 72 33 00-0087	LF		15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN).....	17.51	5.45
			<i>For Color Anodized Finish, Add</i>	1.32	
08 72 33 00-0088	LF		9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV) .....	13.37	5.45
			Note: Includes mill finish.		
			<i>For Color Anodized Finish, Add</i>	1.24	
08 72 33 00-0089	LF		1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV) .....	13.49	5.45
			Note: Includes mill finish.		
			<i>For Color Anodized Finish, Add</i>	1.30	
08 72 33 00-0090	LF		1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV).....	14.83	5.45
			Note: Includes mill finish.		
			<i>For Color Anodized Finish, Add</i>	1.38	
08 72 33 00-0091			<b>180 Degree, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0072) Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0092			<b>180 Degree, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0091)		
08 72 33 00-0093	LF		3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB).....	15.15	5.45
			<i>For Color Anodized Finish, Add</i>	1.70	
08 72 33 00-0094	LF		5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB).....	15.46	5.45
			<i>For Color Anodized Finish, Add</i>	1.83	
08 72 33 00-0095	LF		1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB).....	17.99	5.45
			<i>For Color Anodized Finish, Add</i>	2.49	
08 72 33 00-0096			<b>180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0091)		
08 72 33 00-0097	LF		3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB).....	18.14	5.45
			<i>For Color Anodized Finish, Add</i>	2.90	
08 72 33 00-0098	LF		5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB).....	18.46	5.45
			<i>For Color Anodized Finish, Add</i>	3.03	
08 72 33 00-0099	LF		1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB).....	19.79	5.45
			<i>For Color Anodized Finish, Add</i>	3.56	
08 72 33 00-0100			<b>Mortised, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0072) Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 72 33 00-0101	LF		1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB) .....	13.73	5.45
08 72 33 00-0102	LF		13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB) .....	13.73	5.45
08 72 33 00-0103	LF		5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB) .....	13.89	5.45
08 72 33 00-0104			<b>Aluminum Retainer Door Sweeps With Rain Drip</b> (08 72 33 00-0067)		
08 72 33 00-0105			<b>90 Degree, Aluminum Retainer Door Sweeps With Rain Drip</b> (08 72 33 00-0104) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
08 72 33 00-0106	LF		1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV) .....	13.41	5.45
			<i>For Color Anodized Finish, Add</i>	1.76	
08 72 33 00-0107	LF		1/4" Vinyl Insert, 90 Degree, Clear Anodized Aluminum Retainer Door Sweep (Pemko 3452CV) .....	16.03	5.45
08 72 33 00-0108	LF		1/4" Vinyl Insert, 90 Degree, Satin Nickel Anodized Aluminum Retainer Door Sweep (Pemko 3452SNV).....	16.36	5.45
08 72 33 00-0109	LF		1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV) .....	15.46	5.45
			<i>For Color Anodized Finish, Add</i>	1.83	
08 72 33 00-0110	LF		3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB).....	17.00	5.45
			Note: Includes clear anodized finish.		
			<i>For Color Anodized Finish, Add</i>	1.22	
08 72 33 00-0111	LF		7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB) .....	17.28	5.45
			<i>For Color Anodized Finish, Add</i>	1.28	
08 72 33 00-0112			<b>Brass/Bronze Retainer Door Sweeps</b> (08 72 33 00-0067)		
08 72 33 00-0113			<b>90 Degree, Brass/Bronze Retainer Door Sweeps</b> (08 72 33 00-0112) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0114	LF		7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN) .....	20.35	5.45



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Weatherstripping, Thresholds and Seals</b>	<b>08 72</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 72 33 00-0115</b> Oak Retainer Door Sweeps <small>(08 72 33 00-0067)</small>		
<b>08 72 33 00-0116</b> 90 Degree, Oak Retainer Door Sweeps <small>(08 72 33 00-0115)</small> Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0117 LF 9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB).....	16.73	5.45
08 72 33 00-0118 LF 15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB).....	19.21	5.45
<b>08 72 33 00-0119</b> Door Shoes And Bottoms <small>(08 72 33 00-0001)</small>		
<b>08 72 33 00-0120</b> Door Shoes <small>(08 72 33 00-0119)</small>		
<b>08 72 33 00-0121</b> Aluminum Retainer Door Shoes <small>(08 72 33 00-0120)</small>		
<b>08 72 33 00-0122</b> Bottom Mount, Aluminum Retainer Door Shoes <small>(08 72 33 00-0121)</small>		
08 72 33 00-0123 LF Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV).....	14.68	5.45
For Color Anodized Finish, Add	1.52	
For Thermo-Plastic Elastomer Insert, Add	0.68	
08 72 33 00-0124 LF Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV).....	15.15	5.45
For Color Anodized Finish, Add	1.70	
08 72 33 00-0125 LF Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV).....	19.72	5.45
For Color Anodized Finish, Add	1.77	
<b>08 72 33 00-0126</b> Side Mount, Aluminum Retainer Door Shoes <small>(08 72 33 00-0121)</small>		
08 72 33 00-0127 LF Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV).....	16.73	5.45
For Color Anodized Finish, Add	2.34	
For Thermo-Plastic Elastomer Insert, Add	0.68	
<b>08 72 33 00-0128</b> L Or U Shaped, Aluminum Retainer Door Shoes <small>(08 72 33 00-0121)</small>		
08 72 33 00-0129 LF Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV).....	15.46	5.45
For Color Anodized Finish, Add	2.29	
For Thermo-Plastic Elastomer Insert, Add	0.42	
08 72 33 00-0130 LF Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV).....	16.41	5.45
For Color Anodized Finish, Add	2.21	
For Thermo-Plastic Elastomer Insert, Add	0.42	
08 72 33 00-0131 LF Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV).....	16.73	5.45
For Color Anodized Finish, Add	2.34	
For Thermo-Plastic Elastomer Insert, Add	0.42	
08 72 33 00-0132 LF Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV).....	23.14	5.45
For Color Anodized Finish, Add	2.45	
08 72 33 00-0133 LF Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV).....	23.45	5.45
For Color Anodized Finish, Add	2.51	
08 72 33 00-0134 LF PemkoPrene Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216APK).....	22.02	5.45
08 72 33 00-0135 LF PemkoPrene Insert, 1-3/4" Width, U-Shaped With Rain Drip, Satin Nickel Anodized Aluminum Retainer Door Shoe (Pemko 216SNPK).....	27.63	5.45
08 72 33 00-0136 LF PemkoPrene Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217APK).....	20.13	5.45
08 72 33 00-0137 LF PemkoPrene Insert, 1-3/4" Width, U-Shaped, Satin Nickel Anodized Aluminum Retainer Door Shoe (Pemko 217SNPK).....	27.68	5.45
<b>08 72 33 00-0138</b> L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes <small>(08 72 33 00-0121)</small>		
08 72 33 00-0139 LF Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV).....	15.78	5.45
For Color Anodized Finish, Add	2.45	
For Thermo-Plastic Elastomer Insert, Add	0.42	
08 72 33 00-0140 LF Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV).....	16.73	5.45
For Color Anodized Finish, Add	2.34	
For Thermo-Plastic Elastomer Insert, Add	0.42	
08 72 33 00-0141 LF Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV).....	16.88	5.45
For Color Anodized Finish, Add	2.40	
For Thermo-Plastic Elastomer Insert, Add	0.42	
<b>08 72 33 00-0142</b> Vinyl Door Shoes <small>(08 72 33 00-0120)</small>		
08 72 33 00-0143 LF 1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80).....	18.86	5.45
08 72 33 00-0144 LF 1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV).....	22.46	5.45
<b>08 72 33 00-0145</b> Door Bottoms <small>(08 72 33 00-0119)</small>		
<b>08 72 33 00-0146</b> Automatic Door Bottoms <small>(08 72 33 00-0145)</small>		
<b>08 72 33 00-0147</b> Aluminum Automatic Door Bottoms <small>(08 72 33 00-0146)</small>		
08 72 33 00-0148 LF Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL).....	31.66	5.45
For Color Anodized Finish, Add	4.15	
08 72 33 00-0149 LF Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL).....	44.66	5.45
For Color Anodized Finish, Add	6.75	
08 72 33 00-0150 LF Closed-cell Sponge Neoprene Insert, 1.575" Height Mortised, Heavy Duty, Clear Anodized Aluminum, Sill Protection Automatic Door Bottom (Zero 360AA).....	35.85	5.45

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0151			<b>Door Top Protection</b> (08 72 33 00-0001)		
08 72 33 00-0152	LF		Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343).....	12.18	4.36
			<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	0.95	
08 72 33 00-0153	LF		Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344).....	12.18	4.36
			<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	0.95	
08 72 33 00-0154	LF		2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C).....	19.34	4.36
			<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	2.91	
08 72 33 00-0155	EA		For 20 Oz Copper Drip Cap For Exterior Door.....	72.52	
08 72 33 00-0156	LF		2.50" Width, 0.088" Thickness, Aluminum Extruded Drip Cap (Zero 142A).....	15.29	4.36
08 72 33 00-0157			<b>Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0001)		
			Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 72 33 00-0158			<b>Adhesive Backed Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0157)		
08 72 33 00-0159	LF		3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33) .....	3.85	2.73
			<i>For Intumescent Seal, Add</i>	1.50	
08 72 33 00-0160	LF		1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55) .....	3.89	2.73
			<i>For Intumescent Seal, Add</i>	1.50	
08 72 33 00-0161	LF		1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88).....	5.69	2.73
08 72 33 00-0162	LF		7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44) .....	4.19	2.73
08 72 33 00-0163	LF		5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77) .....	5.41	2.73
			<i>For Intumescent Seal, Add</i>	1.50	
08 72 33 00-0164	LF		1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773).....	5.04	2.73
			<i>For Intumescent Seal, Add</i>	1.50	
08 72 33 00-0165	LF		7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44).....	6.56	2.73
08 72 33 00-0166	LF		1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88).....	6.09	2.73
08 72 33 00-0167	LF		3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Zero 488S-Bk) .....	3.95	2.73
08 72 33 00-0168			<b>Kerf-In Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0157)		
08 72 33 00-0169	LF		3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50).....	3.46	2.73
08 72 33 00-0170	LF		7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52).....	5.01	2.73
08 72 33 00-0171	LF		3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103).....	3.84	2.73
08 72 33 00-0172	LF		5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102).....	3.79	2.73
08 72 33 00-0173	LF		3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349) .....	4.85	2.73
08 72 33 00-0174			<b>Cushion/Spring Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0157)		
08 72 33 00-0175			<b>Spring Bronze Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0174)		
08 72 33 00-0176	LF		1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C).....	9.80	2.73
08 72 33 00-0177	LF		1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D).....	9.80	2.73
08 72 33 00-0178	LF		1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E).....	10.67	2.73
08 72 33 00-0179	LF		1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F).....	10.85	2.73
08 72 33 00-0180			<b>Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0174)		
08 72 33 00-0181	LF		5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73).....	9.33	2.73
08 72 33 00-0182	LF		7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74).....	10.67	2.73
08 72 33 00-0183	LF		1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75) .....	12.14	2.73
08 72 33 00-0184			<b>Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0157)		
08 72 33 00-0185			<b>Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0184)		
08 72 33 00-0186	LF		1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV).....	7.26	2.73
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	1.81	
08 72 33 00-0187	LF		1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV).....	7.26	2.73
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	1.81	
08 72 33 00-0188	LF		1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV).....	7.26	2.73
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	1.81	
08 72 33 00-0189	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN).....	12.07	2.73
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	1.32	
08 72 33 00-0190	LF		3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV) .....	12.39	2.73
			<i>For Color Anodized Finish, Add</i>	3.47	
			<i>For Silicone Insert, Add</i>	0.95	
08 72 33 00-0191	LF		Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR).....	12.39	2.73
			<i>For Color Anodized Finish, Add</i>	2.43	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Weatherstripping, Thresholds and Seals</b>	<b>08 72</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0192	LF		1.00" Wide x 0.219" High, Clear Anodized Aluminum Seal with Solid Neoprene (Zero 328AA) .....	13.19	2.73
08 72 33 00-0193	LF		1.00" Wide x 0.219" High, Clear Anodized Aluminum Seal with Solid Neoprene (Zero 326AA) .....	13.46	2.73
<b>08 72 33 00-0194</b>			<b>Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0184)		
<b>08 72 33 00-0195</b>			<b>Standard Jamb, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0194)		
08 72 33 00-0196	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV) .....	11.84	2.73
			<i>For Silicone Insert, Add</i>	0.95	
<b>08 72 33 00-0197</b>			<b>Head Section, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0194)		
08 72 33 00-0198	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV) .....	13.09	2.73
<b>08 72 33 00-0199</b>			<b>Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0157)		
<b>08 72 33 00-0200</b>			<b>Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0199)		
08 72 33 00-0201	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR) .....	31.56	2.73
			<i>For Silicone Insert, Add</i>	1.58	
08 72 33 00-0202	LF		Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR) .....	54.96	2.73
<b>08 72 33 00-0203</b>			<b>Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0199)		
<b>08 72 33 00-0204</b>			<b>Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0203)		
08 72 33 00-0205	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV) .....	47.18	2.73
			<i>For Silicone Insert, Add</i>	0.63	
<b>08 72 33 00-0206</b>			<b>Aluminum Interlock, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0157)		
08 72 33 00-0207	LF		Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A) .....	17.42	5.45
			Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.		
			<i>For Color Anodized Finish, Add</i>	2.61	
08 72 33 00-0208	LF		Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR) .....	17.97	5.45
			Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.		
			<i>For Color Anodized Finish, Add</i>	2.83	
<b>08 72 33 00-0209</b>			<b>Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0157)		
			Note: Seals gaps from 1/16" to 1/4".		
08 72 33 00-0210	LF		Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR) .....	21.00	2.73
			<i>For Color Anodized Finish, Add</i>	3.11	
08 72 33 00-0211	LF		Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR) .....	22.10	2.73
			<i>For Color Anodized Finish, Add</i>	3.33	
<b>08 72 33 00-0212</b>			<b>Perimeter Gasketing Weather-Strip Applied To Header</b> (08 72 33 00-0157)		
08 72 33 00-0213	LF		1-1/2" Wide x 1/4" High, Silicon Insert, Perimeter Gasketing (Pemko 2891AS) .....	17.52	5.45
08 72 33 00-0214	LF		1" Wide x 0.094" High, Closed Cell Sponge Neoprene Self-Adhesive Gasketing (Zero 8780N) .....	7.74	5.45
<b>08 72 33 00-0215</b>			<b>Aluminum Gasketing Protection for Closer Bracket or Door Coordinator Set</b> (08 72 33 00-0157)		
08 72 33 00-0216	LF		1.50" Wide x 0.250" High, Door Gasket, Aluminum for Door Closer Application (Zero 429A) .....	14.84	2.73
<b>08 72 33 00-0217</b>			<b>Perimeter Gasketing Smoke Seals</b> (08 72 33 00-0001)		
			Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 72 33 00-0218	LF		Compression Bulb, Adhesive Backed Perimeter Gasketing Smoke Seal (Pemko HSS2000) .....	5.59	2.73
08 72 33 00-0219	LF		Compression Bulb, Adhesive Backed Perimeter Gasketing Smoke Seal And S88 Silicon Seal Combination (Pemko HSS2000xS88) .....	7.26	2.73
08 72 33 00-0220	LF		3/8" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Smoke Seal (NGP 2525B) .....	5.24	2.73
<b>08 72 43</b>			<b>Thresholds</b> (08 72)		
<b>08 72 43 00-0001</b>			<b>Thresholds</b> (08 72 43)		
			Note: Includes material, fasteners, installation, caulk and sealants.		

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 72 43 00-0002	Metal Thresholds (08 72 43 00-0001)		
08 72 43 00-0003	Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0004	Aluminum Saddle Thresholds (08 72 43 00-0003)		
	Note: Includes mill finish.		
08 72 43 00-0005	3/16" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0006	LF 2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A)	27.77	8.72
	For Color Anodized Finish, Add	2.40	
08 72 43 00-0007	1/4" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0008	LF 3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A)	30.45	8.72
	For Color Anodized Finish, Add	3.47	
08 72 43 00-0009	LF 4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A)	35.75	10.89
	For Color Anodized Finish, Add	5.96	
08 72 43 00-0010	LF 5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A)	38.76	10.89
	For Color Anodized Finish, Add	5.77	
08 72 43 00-0011	LF 6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A)	42.37	10.89
	For Color Anodized Finish, Add	5.30	
08 72 43 00-0012	LF 7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A)	47.73	10.89
	For Color Anodized Finish, Add	5.13	
08 72 43 00-0013	LF 8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A)	57.29	13.07
	For Color Anodized Finish, Add	6.15	
08 72 43 00-0014	LF 9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A)	60.92	13.07
	For Color Anodized Finish, Add	7.06	
08 72 43 00-0015	LF 10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A)	66.70	13.07
	For Color Anodized Finish, Add	8.50	
08 72 43 00-0016	5/16" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0017	LF 2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A)	29.98	8.72
	For Color Anodized Finish, Add	2.87	
08 72 43 00-0018	1/2" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0019	LF 3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A)	30.14	8.72
	For Color Anodized Finish, Add	4.18	
08 72 43 00-0020	LF 4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A)	37.01	10.89
	For Color Anodized Finish, Add	6.85	
08 72 43 00-0021	LF 5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A)	40.08	10.89
	For Color Anodized Finish, Add	6.43	
08 72 43 00-0022	LF 6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A)	42.69	10.89
	For Color Anodized Finish, Add	5.41	
08 72 43 00-0023	LF 7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A)	47.73	10.89
	For Color Anodized Finish, Add	5.13	
08 72 43 00-0024	LF 8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A)	59.19	13.07
	For Color Anodized Finish, Add	9.28	
08 72 43 00-0025	LF 9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A)	62.50	13.07
	For Color Anodized Finish, Add	11.92	
08 72 43 00-0026	LF 10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A)	65.81	13.07
	For Color Anodized Finish, Add	13.25	
08 72 43 00-0027	LF 4" Width, 1/2" Height, Aluminum Saddle Threshold (Zero 654A)	39.74	10.89
08 72 43 00-0028	LF 5" Width, 1/2" Height, Aluminum Saddle Threshold (Zero 655A)	42.20	10.89
	For Color Anodized Finish, Add	7.49	
08 72 43 00-0029	Brass/Bronze Saddle Thresholds (08 72 43 00-0003)		
08 72 43 00-0030	3/16" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0029)		
08 72 43 00-0031	LF 2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B)	92.81	8.72
08 72 43 00-0032	1/4" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0029)		
08 72 43 00-0033	LF 3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B)	147.13	8.72
08 72 43 00-0034	LF 4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B)	177.65	10.89
08 72 43 00-0035	LF 5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B)	215.25	10.89
08 72 43 00-0036	LF 6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B)	251.82	10.89
08 72 43 00-0037	LF 7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B)	293.60	10.89
08 72 43 00-0038	LF 8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B)	377.40	13.07
08 72 43 00-0039	1/2" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0029)		
08 72 43 00-0040	LF 4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B)	194.36	10.89
08 72 43 00-0041	LF 5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B)	236.15	10.89
08 72 43 00-0042	LF 6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B)	277.93	10.89
08 72 43 00-0043	LF 7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B)	330.16	10.89
08 72 43 00-0044	LF 8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B)	469.67	13.07
08 72 43 00-0045	LF 10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B)	445.72	13.07





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 72 43 00-0046</b> <b>Stainless Steel Saddle Thresholds</b> <small>(08 72 43 00-0003)</small>		
<b>08 72 43 00-0047</b> <b>1/2" Height, Stainless Steel Saddle Thresholds</b> <small>(08 72 43 00-0046)</small>		
08 72 43 00-0048    LF    4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS) .....	163.03	10.89
08 72 43 00-0049    LF    5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS) .....	173.47	10.89
<b>08 72 43 00-0050</b> <b>Half Saddle Thresholds</b> <small>(08 72 43 00-0002)</small>		
<b>08 72 43 00-0051</b> <b>Aluminum Half Saddle Thresholds</b> <small>(08 72 43 00-0050)</small>		
Note: Includes mill finish.		
<b>08 72 43 00-0052</b> <b>3/4" Height, Aluminum Half Saddle Thresholds</b> <small>(08 72 43 00-0051)</small>		
08 72 43 00-0053    LF    5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A) .....	43.05	10.89
For Color Anodized Finish, Add		
	6.33	
08 72 43 00-0054    LF    7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A) .....	54.51	10.89
For Color Anodized Finish, Add		
	2.73	
<b>08 72 43 00-0055</b> <b>1/2" Height, Aluminum Half Saddle Thresholds</b> <small>(08 72 43 00-0051)</small>		
08 72 43 00-0056    LF    2.94" Width, 1/2" Height, Aluminum Butt (Half Saddle) Threshold (Zero 623A) .....	35.82	10.89
<b>08 72 43 00-0057</b> <b>Offset Saddle Thresholds</b> <small>(08 72 43 00-0002)</small>		
<b>08 72 43 00-0058</b> <b>Aluminum Offset Saddle Thresholds</b> <small>(08 72 43 00-0057)</small>		
Note: Includes mill finish.		
<b>08 72 43 00-0059</b> <b>1/2" Height, Aluminum Offset Saddle Thresholds</b> <small>(08 72 43 00-0058)</small>		
08 72 43 00-0060    LF    5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A) .....	43.16	10.89
For Color Anodized Finish, Add		
	7.97	
08 72 43 00-0061    LF    7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A) .....	47.26	10.89
For Color Anodized Finish, Add		
	7.01	
<b>08 72 43 00-0062</b> <b>3/4" Height, Aluminum Offset Saddle Thresholds</b> <small>(08 72 43 00-0058)</small>		
08 72 43 00-0063    LF    5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A) .....	43.16	10.89
For Color Anodized Finish, Add		
	7.97	
<b>08 72 43 00-0064</b> <b>1" Height, Aluminum Offset Saddle Thresholds</b> <small>(08 72 43 00-0058)</small>		
08 72 43 00-0065    LF    7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A) .....	48.84	10.89
For Color Anodized Finish, Add		
	7.56	
<b>08 72 43 00-0066</b> <b>Modular Ramp Thresholds</b> <small>(08 72 43 00-0001)</small>		
Note: Includes mill finish.		
<b>08 72 43 00-0067</b> <b>Flush, Aluminum Modular Ramp Thresholds</b> <small>(08 72 43 00-0066)</small>		
08 72 43 00-0068    LF    6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA) .....	44.63	10.89
For Non-Slip Surfacing, Add		
	68.55	
08 72 43 00-0069    LF    9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA) .....	55.25	11.98
For Non-Slip Surfacing, Add		
	87.61	
08 72 43 00-0070    LF    12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA) .....	69.80	13.62
For Non-Slip Surfacing, Add		
	119.20	
08 72 43 00-0071    LF    15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA) .....	87.83	14.16
For Non-Slip Surfacing, Add		
	160.88	
08 72 43 00-0072    LF    18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA) .....	101.88	15.25
For Non-Slip Surfacing, Add		
	214.14	
08 72 43 00-0073    LF    21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA) .....	125.62	16.88
For Non-Slip Surfacing, Add		
	238.84	
08 72 43 00-0074    LF    24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA) .....	140.03	18.51
For Non-Slip Surfacing, Add		
	267.77	
08 72 43 00-0075    LF    28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA) .....	148.51	19.61
For Non-Slip Surfacing, Add		
	273.25	
<b>08 72 43 00-0076</b> <b>3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds</b> <small>(08 72 43 00-0066)</small>		
08 72 43 00-0077    LF    12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA) .....	74.16	13.62
For Non-Slip Surfacing, Add		
	126.71	
08 72 43 00-0078    LF    15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA) .....	86.53	14.16
For Non-Slip Surfacing, Add		
	157.17	
08 72 43 00-0079    LF    18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA) .....	107.83	16.34
For Non-Slip Surfacing, Add		
	195.39	
08 72 43 00-0080    LF    22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA) .....	126.21	17.43
For Non-Slip Surfacing, Add		
	237.54	
08 72 43 00-0081    LF    25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA) .....	144.54	18.51
For Non-Slip Surfacing, Add		
	279.50	
08 72 43 00-0082    LF    28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA) .....	157.84	19.61
For Non-Slip Surfacing, Add		
	308.44	
08 72 43 00-0083    LF    31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA) .....	192.43	20.70
For Non-Slip Surfacing, Add		
	392.70	

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 72 43 00-0084	7" Top Plate, Offset, Aluminum Modular Ramp Thresholds <small>(08 72 43 00-0066)</small>		
08 72 43 00-0085	LF 16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA) .....	85.50	14.71
	<i>For Non-Slip Surfacing, Add</i>	157.02	
08 72 43 00-0086	LF 19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA) .....	100.04	16.34
	<i>For Non-Slip Surfacing, Add</i>	188.61	
08 72 43 00-0087	LF 22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA) .....	119.15	17.43
	<i>For Non-Slip Surfacing, Add</i>	227.61	
08 72 43 00-0088	LF 25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA) .....	133.21	18.51
	<i>For Non-Slip Surfacing, Add</i>	259.66	
08 72 43 00-0089	LF 28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA) .....	155.85	19.61
	<i>For Non-Slip Surfacing, Add</i>	303.26	
08 72 43 00-0090	LF 31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA) .....	169.16	20.70
	<i>For Non-Slip Surfacing, Add</i>	332.20	
08 72 43 00-0091	LF 35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA) .....	194.61	21.78
	<i>For Non-Slip Surfacing, Add</i>	377.60	
08 72 43 00-0092	Accessories For Aluminum Modular Ramp Thresholds <small>(08 72 43 00-0066)</small>		
08 72 43 00-0093	Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <small>(08 72 43 00-0092)</small>		
08 72 43 00-0094	PR Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds .....	196.77	13.62
	<i>For Non-Slip Surfacing, Add</i>	20.34	
08 72 43 00-0095	PR >1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds .....	300.60	13.62
	<i>For Non-Slip Surfacing, Add</i>	32.80	
08 72 43 00-0096	PR >1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds .....	592.75	19.07
	<i>For Non-Slip Surfacing, Add</i>	66.56	
08 72 43 00-0097	Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds <small>(08 72 43 00-0092)</small>		
08 72 43 00-0098	PR Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds .....	196.77	13.62
	<i>For Non-Slip Surfacing, Add</i>	20.34	
08 72 43 00-0099	PR >1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds .....	300.60	13.62
	<i>For Non-Slip Surfacing, Add</i>	32.80	
08 72 43 00-0100	PR >1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds .....	592.75	19.07
	<i>For Non-Slip Surfacing, Add</i>	66.56	
08 72 43 00-0101	Latching Panic Exit Saddle Thresholds <small>(08 72 43 00-0001)</small>		
	Note: Includes vinyl or pile seal.		
08 72 43 00-0102	Aluminum, Latching Panic Exit Saddle Thresholds <small>(08 72 43 00-0101)</small>		
	Note: Includes mill finish.		
08 72 43 00-0103	Aluminum, Latching Panic Exit Saddle Thresholds <small>(08 72 43 00-0102)</small>		
08 72 43 00-0104	7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds <small>(08 72 43 00-0103)</small>		
08 72 43 00-0105	LF 4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP) .....	51.36	10.89
	<i>For Color Anodized Finish, Add</i>	8.45	
	<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0106	LF 5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP) .....	43.32	10.89
	<i>For Color Anodized Finish, Add</i>	8.05	
	<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0107	LF 6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP) .....	56.41	10.89
	<i>For Color Anodized Finish, Add</i>	10.21	
	<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0108	LF 7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP) .....	58.61	10.89
	<i>For Color Anodized Finish, Add</i>	10.98	
	<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0109	1" Height, Aluminum, Latching Panic Exit Saddle Thresholds <small>(08 72 43 00-0103)</small>		
08 72 43 00-0110	LF 3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP) .....	41.42	10.89
	<i>For Color Anodized Finish, Add</i>	7.10	
	<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0111	LF 5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP) .....	43.63	10.89
	<i>For Color Anodized Finish, Add</i>	8.20	
	<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0112	Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds <small>(08 72 43 00-0102)</small>		
08 72 43 00-0113	7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds <small>(08 72 43 00-0112)</small>		
08 72 43 00-0114	LF 4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP) .....	46.00	10.89
	<i>For Color Anodized Finish, Add</i>	7.51	
	<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0115	LF 5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP) .....	48.05	10.89
	<i>For Color Anodized Finish, Add</i>	8.33	
	<i>For Thermoseal, Add</i>	0.63	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Weatherstripping, Thresholds and Seals</b>	<b>08 72</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0116 LF 6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP).....	51.04	10.89
<i>For Color Anodized Finish, Add</i>	8.33	
<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0117 LF 7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP).....	54.44	10.89
<i>For Color Anodized Finish, Add</i>	9.52	
<i>For Thermoseal, Add</i>	0.63	
<b>08 72 43 00-0118 Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0101)</b>		
<b>08 72 43 00-0119 Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0118)</b>		
<b>08 72 43 00-0120 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0119)</b>		
08 72 43 00-0121 LF 4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV).....	280.02	10.89
<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0122 LF 5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV).....	259.13	10.89
<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0123 LF 6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV).....	376.12	10.89
<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0124 LF 7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV).....	335.59	10.89
<i>For Thermoseal, Add</i>	0.63	
<b>08 72 43 00-0125 1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0119)</b>		
08 72 43 00-0126 LF 5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV).....	275.42	10.89
<i>For Thermoseal, Add</i>	0.63	
<b>08 72 43 00-0127 Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0118)</b>		
<b>08 72 43 00-0128 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0127)</b>		
08 72 43 00-0129 LF 4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV).....	282.41	11.98
<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0130 LF 5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV).....	296.83	11.98
<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0131 LF 6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV).....	374.75	11.98
<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0132 LF 7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV).....	339.63	12.52
<i>For Thermoseal, Add</i>	0.63	
<b>08 72 43 00-0133 Carpet Separator Thresholds (08 72 43 00-0001)</b>		
<b>08 72 43 00-0134 Aluminum, Carpet Separator Thresholds (08 72 43 00-0133)</b>		
Note: Includes mill finish.		
<b>08 72 43 00-0135 3/8" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0134)</b>		
08 72 43 00-0136 LF 2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C).....	31.40	8.72
<i>For Color Anodized Finish, Add</i>	3.85	
<b>08 72 43 00-0137 7/16" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0134)</b>		
08 72 43 00-0138 LF 1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A).....	25.69	7.62
<i>For Color Anodized Finish, Add</i>	2.32	
08 72 43 00-0139 LF 4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A).....	39.06	8.72
<i>For Color Anodized Finish, Add</i>	4.73	
08 72 43 00-0140 LF 6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A).....	45.68	8.72
<i>For Color Anodized Finish, Add</i>	7.38	
<b>08 72 43 00-0141 1/2" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0134)</b>		
08 72 43 00-0142 LF 1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A).....	23.64	7.62
<i>For Color Anodized Finish, Add</i>	1.14	
<b>08 72 43 00-0143 3/4" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0134)</b>		
08 72 43 00-0144 LF 1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A).....	25.69	7.62
<i>For Color Anodized Finish, Add</i>	1.99	
08 72 43 00-0145 LF 3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A).....	39.53	10.89
<i>For Color Anodized Finish, Add</i>	4.92	
08 72 43 00-0146 LF 4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A).....	41.42	10.89
<i>For Color Anodized Finish, Add</i>	4.26	
<b>08 72 43 00-0147 Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0133)</b>		

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 72 43 00-0148		<b>3/8" Height, Brass/Bronze, Carpet Separator Thresholds</b> (08 72 43 00-0147)		
08 72 43 00-0149	LF	2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B) .....	149.43	8.72
08 72 43 00-0150		<b>7/16" Height, Brass/Bronze, Carpet Separator Thresholds</b> (08 72 43 00-0147)		
08 72 43 00-0151	LF	1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B) .....	200.04	7.62
08 72 43 00-0152	LF	4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B) .....	178.69	10.89
08 72 43 00-0153		<b>Vinyl Transition Thresholds</b> (08 72 43 00-0001) Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 72 43 00-0154		<b>Carpet To Carpet, Vinyl Transition Thresholds</b> (08 72 43 00-0153) Note: Serves as a transition where carpet meets carpet beneath a door.		
08 72 43 00-0155	LF	2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL).....	37.18	8.72
08 72 43 00-0156		<b>Carpet To Tile, Vinyl Transition Thresholds</b> (08 72 43 00-0153) Note: Serves as a transition where carpet meets tile beneath a door.		
08 72 43 00-0157	LF	2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL).....	37.18	8.72
08 72 43 00-0158		<b>Carpet To Concrete, Vinyl Transition Thresholds</b> (08 72 43 00-0153) Note: Serves as a transition where carpet meets concrete beneath a door.		
08 72 43 00-0159	LF	3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL).....	40.34	10.89
08 72 43 00-0160		<b>Carpet To VCT Tile, Vinyl Transition Thresholds</b> (08 72 43 00-0153) Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 72 43 00-0161	LF	3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL).....	42.90	10.89
08 72 43 00-0162		<b>Residential Thresholds</b> (08 72 43 00-0001)		
08 72 43 00-0163		<b>Wood Residential Thresholds</b> (08 72 43 00-0162)		
08 72 43 00-0164	LF	1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W).....	16.51	5.45
08 72 43 00-0165	LF	1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W).....	17.04	5.45
08 72 43 00-0166	LF	3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W).....	22.52	5.80
08 72 43 00-0167	LF	3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W).....	22.92	6.01
08 72 43 00-0168	LF	5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W).....	33.86	6.19
08 72 43 00-0169		<b>Vinyl Top, Wood Residential Thresholds</b> (08 72 43 00-0162)		
08 72 43 00-0170	LF	1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK).....	19.40	5.45
08 72 43 00-0171	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK).....	23.39	6.01
08 72 43 00-0172	LF	3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK).....	41.84	6.01
08 72 43 00-0173		<b>Vinyl Top, Aluminum Residential Thresholds</b> (08 72 43 00-0162)		
08 72 43 00-0174	LF	1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV).....	19.46	5.45
		<i>For Color Anodized Finish, Add</i>	2.34	
08 72 43 00-0175	LF	3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV).....	22.60	6.01
		<i>For Color Anodized Finish, Add</i>	3.03	
08 72 43 00-0176	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV).....	23.86	6.01
		<i>For Color Anodized Finish, Add</i>	3.53	
08 72 43 00-0177		<b>Interlocking Residential Thresholds</b> (08 72 43 00-0162)		
08 72 43 00-0178		<b>Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0177)		
08 72 43 00-0179		<b>1/2" Height, Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0178)		
08 72 43 00-0180	LF	4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A).....	41.17	6.19
		<i>For Color Anodized Finish, Add</i>	7.71	
08 72 43 00-0181		<b>5/8" Height, Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0178)		
08 72 43 00-0182	LF	3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A).....	27.90	5.80
		<i>For Color Anodized Finish, Add</i>	4.02	
08 72 43 00-0183	LF	3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A).....	25.60	6.01
		<i>For Color Anodized Finish, Add</i>	5.29	
08 72 43 00-0184	LF	4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A).....	29.50	6.19
		<i>For Color Anodized Finish, Add</i>	4.21	
08 72 43 00-0185		<b>7/8" Height, Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0178)		
08 72 43 00-0186	LF	4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A).....	32.02	6.19
		<i>For Color Anodized Finish, Add</i>	8.28	
08 72 43 00-0187		<b>Brass/Bronze Interlocking Residential Thresholds</b> (08 72 43 00-0177)		



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Weatherstripping, Thresholds and Seals</b>	<b>08 72</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 72 43 00-0188</b> 1/2" Height, Brass/Bronze Interlocking Residential Thresholds <small>(08 72 43 00-0187)</small>		
08 72 43 00-0189 LF 4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B) .....	208.71	6.19
<b>08 72 43 00-0190</b> 5/8" Height, Brass/Bronze Interlocking Residential Thresholds <small>(08 72 43 00-0187)</small>		
08 72 43 00-0191 LF 3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B) .....	156.05	6.01
<b>08 72 43 00-0192</b> 7/8" Height, Brass/Bronze Interlocking Residential Thresholds <small>(08 72 43 00-0187)</small>		
08 72 43 00-0193 LF 4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B) .....	213.93	6.19
08 72 43 00-0194 LF 5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B) .....	308.39	6.36
<b>08 72 43 00-0195</b> Residential Door Sills <small>(08 72 43 00-0001)</small>		
<b>08 72 43 00-0196</b> Fixed Aluminum Residential Door Sills <small>(08 72 43 00-0195)</small>		
08 72 43 00-0197 LF 4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A) .....	24.45	6.19
<i>For Color Anodized Finish, Add</i>	4.50	
08 72 43 00-0198 LF 5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A) .....	26.14	6.36
<i>For Color Anodized Finish, Add</i>	4.09	
<b>08 72 43 00-0199</b> Adjustable Aluminum Top, Aluminum Residential Door Sills <small>(08 72 43 00-0195)</small>		
08 72 43 00-0200 LF 4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A) .....	34.08	6.19
<i>For Color Anodized Finish, Add</i>	6.52	
08 72 43 00-0201 LF 5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A) .....	35.00	6.36
<i>For Color Anodized Finish, Add</i>	6.68	
<b>08 72 43 00-0202</b> Adjustable Wood Top, Aluminum Residential Door Sills <small>(08 72 43 00-0195)</small>		
08 72 43 00-0203 LF 3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW) .....	34.40	6.01
<i>For Color Anodized Finish, Add</i>	6.78	
08 72 43 00-0204 LF 4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW) .....	34.84	6.19
<i>For Color Anodized Finish, Add</i>	4.85	
08 72 43 00-0205 LF 5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW) .....	36.34	6.36
<i>For Color Anodized Finish, Add</i>	5.11	
<b>08 72 43 00-0206</b> Extenders For Aluminum Residential Door Sills <small>(08 72 43 00-0195)</small>		
08 72 43 00-0207 LF 3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A) .....	14.83	5.45
<i>For Color Anodized Finish, Add</i>	2.76	
08 72 43 00-0208 LF 2" Extender For Aluminum Residential Door Sills (Pemko EXT2A) .....	16.09	5.45
<i>For Color Anodized Finish, Add</i>	2.60	
08 72 43 00-0209 LF 3" Extender For Aluminum Residential Door Sills (Pemko EXT3A) .....	17.36	5.45
<i>For Color Anodized Finish, Add</i>	1.62	
<b>08 72 43 00-0210</b> Stone Thresholds <small>(08 72 43 00-0001)</small>		
<b>08 72 43 00-0211</b> Marble Thresholds <small>(08 72 43 00-0210)</small>		
08 72 43 00-0212 LF 2" Width, 5/8" Height, Plain Marble Threshold .....	18.77	7.42
08 72 43 00-0213 LF 4" Width, 5/8" Height, Plain Marble Threshold .....	20.46	7.42
08 72 43 00-0214 LF 6" Width, 5/8" Height, Plain Marble Threshold .....	22.70	7.42
08 72 43 00-0215 LF 4" Width, 7/8" Height, Plain Marble Threshold .....	27.78	7.42
08 72 43 00-0216 LF 6" Width, 7/8" Height, Plain Marble Threshold .....	33.71	7.42
<b>08 72 43 00-0217</b> Corian Thresholds <small>(08 72 43 00-0210)</small>		
08 72 43 00-0218 LF Up To 5-3/4" Width, Corian Threshold .....	85.73	9.04
<b>08 75</b> Window Hardware <small>(08 70)</small>		
<b>08 75 13</b> Automatic Window Equipment <small>(08 75)</small>		
<b>08 75 13 00-0001</b> Window Opener Electric, With 1/2 HP Motor <small>(08 75 13)</small>		
08 75 13 00-0002 EA Gym Window Electronic Opener .....	1,657.21	232.12
<b>08 78</b> Special Function Hardware <small>(08 70)</small>		
<b>08 78 00 00-0001</b> Pad Locks <small>(08 78)</small>		
08 78 00 00-0002 EA Combination Padlock .....	21.80	5.45
08 78 00 00-0003 EA Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height .....	49.73	5.45
08 78 00 00-0004 EA Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height .....	45.94	5.45
08 78 00 00-0005 EA Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height .....	50.63	5.45
08 78 00 00-0006 EA Commercial U-Bar Lock .....	61.48	5.45



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 78 00 00-0007	EA		Weather Tough Padlocks Keyed Alike.....	51.58	5.45
08 78 00 00-0008	EA		High Security Padlocks.....	46.56	5.45
08 78 00 00-0009	EA		Standard Key, Medium Security Padlock Keyed Alike.....	24.55	5.45
08 78 00 00-0010	EA		Russwin Padlock With 01H Padlock.....	69.62	5.45

## 08 79 Hardware Accessories (08 70)

### 08 79 13 Key Storage Equipment (08 79)

#### 08 79 13 00-0001 Key Cabinet (08 79 13)

#### 08 79 13 00-0002 Key Cabinets (08 79 13 00-0001)

08 79 13 00-0003	EA		Wall Mounted Key Cabinet, Up To 30 Keys.....	496.39	19.61
08 79 13 00-0004	EA		Wall Mounted Key Cabinet, Up To 60 Keys.....	671.31	21.78
08 79 13 00-0005	EA		Wall Mounted Key Cabinet, Up To 240 Keys.....	1,511.76	32.68
08 79 13 00-0006	EA		Wall Mounted Key Cabinet, Up To 1,200 Keys.....	3,909.53	43.57
08 79 13 00-0007	EA		Drawer Type Key Cabinet, Up To 600 Keys.....	4,177.43	28.86
08 79 13 00-0008	EA		Drawer Type Key Cabinet, Up To 2,400 Keys.....	9,450.95	21.78
08 79 13 00-0009	EA		Tray Type Key Cabinet, Up To 20 Keys.....	208.55	8.72
08 79 13 00-0010	EA		Tray Type Key Cabinet, Up To 50 Keys.....	297.84	10.89

#### 08 79 13 00-0011 Key Boxes Wall Mounted On Any Type Wall, With Anchor (08 79 13 00-0001)

08 79 13 00-0012	EA		Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High.....	283.27	16.35
08 79 13 00-0013	EA		Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High.....	321.49	16.35
08 79 13 00-0014	EA		Relocate 10" Wide x 12" High x 3" Deep Metal Key Box.....	55.57	
			Note: Including Storage And Cleaning		
08 79 13 00-0015	EA		Relocate Heavy Duty Key Box, With Combo Lock Door.....	125.32	
			Note: Including Storage And Cleaning		

## 08 80 Glazing (08)

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks. Demolition for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

### 08 81 Glass Glazing (08 80)

#### 08 81 23 Exterior Glass Glazing (08 81)

##### 08 81 23 13 Factory Installed Glass Glazing (08 81 23)

##### 08 81 23 13-0001 Clear Float Factory Installed Glass (08 81 23 13)

##### 08 81 23 13-0002 Clear Float Factory Installed Glass (08 81 23 13-0001)

08 81 23 13-0003	SF		1/8" Thick, Clear Float Factory Installed Glass.....	7.60	
			For >50 To 200, Deduct	-0.23	
			For >200 To 400, Deduct	-0.46	
			For >400, Deduct	-0.68	
			For Tinted Glass, Add	1.90	
			For Reflective Coated Glass, Add	3.42	
			For Low-E Coated Glass, Add	1.90	
08 81 23 13-0004	SF		3/16" Thick, Clear Float Factory Installed Glass.....	8.15	
			For >50 To 200, Deduct	-0.24	
			For >200 To 400, Deduct	-0.49	
			For >400, Deduct	-0.73	
			For Tinted Glass, Add	2.04	
			For Reflective Coated Glass, Add	3.67	
			For Low-E Coated Glass, Add	2.04	
08 81 23 13-0005	SF		1/4" Thick, Clear Float Factory Installed Glass.....	9.88	
			For >50 To 200, Deduct	-0.30	
			For >200 To 400, Deduct	-0.59	
			For >400, Deduct	-0.89	
			For Tinted Glass, Add	2.47	
			For Reflective Coated Glass, Add	4.45	
			For Low-E Coated Glass, Add	2.47	
08 81 23 13-0006	SF		5/16" Thick, Clear Float Factory Installed Glass.....	16.42	
			For >50 To 200, Deduct	-0.49	
			For >200 To 400, Deduct	-0.99	
			For >400, Deduct	-1.48	
			For Tinted Glass, Add	4.11	
			For Reflective Coated Glass, Add	7.39	
			For Low-E Coated Glass, Add	4.11	
08 81 23 13-0007	SF		3/8" Thick, Clear Float Factory Installed Glass.....	23.89	
			For >50 To 200, Deduct	-0.72	
			For >200 To 400, Deduct	-1.43	
			For >400, Deduct	-2.15	
			For Tinted Glass, Add	5.97	
			For Reflective Coated Glass, Add	10.75	
			For Low-E Coated Glass, Add	5.97	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Glazing</b>	<b>08 80</b>	
<b>Glass Glazing</b>	<b>08 81</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0008 SF 1/2" Thick, Clear Float Factory Installed Glass.....	26.26	
For >50 To 200, Deduct	-0.79	
For >200 To 400, Deduct	-1.58	
For >400, Deduct	-2.36	
For Tinted Glass, Add	6.57	
For Reflective Coated Glass, Add	11.82	
For Low-E Coated Glass, Add	6.57	
08 81 23 13-0009 SF 5/8" Thick, Clear Float Factory Installed Glass.....	31.41	
For >50 To 200, Deduct	-0.94	
For >200 To 400, Deduct	-1.88	
For >400, Deduct	-2.83	
For Tinted Glass, Add	7.85	
For Reflective Coated Glass, Add	14.13	
For Low-E Coated Glass, Add	7.85	
08 81 23 13-0010 SF 3/4" Thick, Clear Float Factory Installed Glass.....	38.80	
For >50 To 200, Deduct	-1.16	
For >200 To 400, Deduct	-2.33	
For >400, Deduct	-3.49	
For Tinted Glass, Add	9.70	
For Reflective Coated Glass, Add	17.46	
For Low-E Coated Glass, Add	9.70	
<b>08 81 23 13-0011 Heat Treated Factory Installed Glass (08 81 23 13)</b>		
<b>08 81 23 13-0012 Tempered, Clear Float Factory Installed Glass (08 81 23 13-0011)</b>		
Note: Type I, Class I, Quality Q3.		
08 81 23 13-0013 SF 1/8" Thick, Tempered, Clear Float Factory Installed Glass.....	11.30	
For >50 To 200, Deduct	-0.34	
For >200 To 400, Deduct	-0.68	
For >400, Deduct	-1.02	
For Tinted Glass, Add	2.83	
For Reflective Coated Glass, Add	5.09	
For Low-E Coated Glass, Add	2.83	
08 81 23 13-0014 SF 3/16" Thick, Tempered, Clear Float Factory Installed Glass.....	12.08	
For >50 To 200, Deduct	-0.36	
For >200 To 400, Deduct	-0.72	
For >400, Deduct	-1.09	
For Tinted Glass, Add	3.02	
For Reflective Coated Glass, Add	5.44	
For Low-E Coated Glass, Add	3.02	
08 81 23 13-0015 SF 1/4" Thick, Tempered, Clear Float Factory Installed Glass.....	14.69	
For >50 To 200, Deduct	-0.44	
For >200 To 400, Deduct	-0.88	
For >400, Deduct	-1.32	
For Tinted Glass, Add	3.67	
For Reflective Coated Glass, Add	6.61	
For Low-E Coated Glass, Add	3.67	
08 81 23 13-0016 SF 5/16" Thick, Tempered, Clear Float Factory Installed Glass.....	24.46	
For >50 To 200, Deduct	-0.73	
For >200 To 400, Deduct	-1.47	
For >400, Deduct	-2.20	
For Tinted Glass, Add	6.12	
For Reflective Coated Glass, Add	11.01	
For Low-E Coated Glass, Add	6.12	
08 81 23 13-0017 SF 3/8" Thick, Tempered, Clear Float Factory Installed Glass.....	35.54	
For >50 To 200, Deduct	-1.07	
For >200 To 400, Deduct	-2.13	
For >400, Deduct	-3.20	
For Tinted Glass, Add	8.89	
For Reflective Coated Glass, Add	15.99	
For Low-E Coated Glass, Add	8.89	
08 81 23 13-0018 SF 1/2" Thick, Tempered, Clear Float Factory Installed Glass.....	39.05	
For >50 To 200, Deduct	-1.17	
For >200 To 400, Deduct	-2.34	
For >400, Deduct	-3.51	
For Tinted Glass, Add	9.76	
For Reflective Coated Glass, Add	17.57	
For Low-E Coated Glass, Add	9.76	
08 81 23 13-0019 SF 5/8" Thick, Tempered, Clear Float Factory Installed Glass.....	46.71	
For >50 To 200, Deduct	-1.40	
For >200 To 400, Deduct	-2.80	
For >400, Deduct	-4.20	
For Tinted Glass, Add	11.68	
For Reflective Coated Glass, Add	21.02	
For Low-E Coated Glass, Add	11.68	
08 81 23 13-0020 SF 3/4" Thick, Tempered, Clear Float Factory Installed Glass.....	57.71	
For >50 To 200, Deduct	-1.73	
For >200 To 400, Deduct	-3.46	
For >400, Deduct	-5.19	
For Tinted Glass, Add	14.43	
For Reflective Coated Glass, Add	25.97	
For Low-E Coated Glass, Add	14.43	

08 81 23 13-0021 Patterned Factory Installed Glass (08 81 23 13)

<b>08</b>	<b>08</b>	<b>Openings</b>
	<b>08 80</b>	<b>Glazing</b>
	<b>08 81</b>	<b>Glass Glazing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 81 23 13-0022</b> <b>Rough Obscure, Factory Installed Glass</b> <small>(08 81 23 13-0021)</small> Note: Class II, Form 3, Finish F1.		
08 81 23 13-0023    SF    1/4" Thick, Rough Obscure, Factory Installed Glass.....	16.16	
<b>08 81 23 13-0024</b> <b>Patterned, Figured Factory Installed Glass</b> <small>(08 81 23 13-0021)</small> Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 13-0025    SF    1/8" Thick, Patterned, Figured Factory Installed Glass.....	9.82	
08 81 23 13-0026    SF    7/32" Thick, Patterned, Figured Factory Installed Glass.....	9.82	
<b>08 81 23 13-0027</b> <b>Wired Factory Installed Glass</b> <small>(08 81 23 13)</small>		
<b>08 81 23 13-0028</b> <b>Square Or Diamond Pattern, Wired Factory Installed Glass</b> <small>(08 81 23 13-0027)</small> Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 13-0029    SF    1/4" Thick, Square Pattern, Wired Factory Installed Glass.....	25.41	
08 81 23 13-0030    SF    1/4" Thick, Diamond Pattern, Wired Factory Installed Glass.....	34.85	
<b>08 81 23 13-0031</b> <b>Polished, Wired Factory Installed Glass</b> <small>(08 81 23 13-0027)</small>		
08 81 23 13-0032    SF    1/4" Thick, Polished, Wired Factory Installed Glass.....	38.10	
<b>08 81 23 13-0033</b> <b>Frosted Factory Installed Glass</b> <small>(08 81 23 13)</small>		
<b>08 81 23 13-0034</b> <b>Frosted Factory Installed Glass</b> <small>(08 81 23 13-0033)</small>		
08 81 23 13-0035    SF    1/8" Thick, Frosted Factory Installed Glass.....	12.85	
For >50 To 200, Deduct	-0.39	
For >200 To 400, Deduct	-0.77	
For >400, Deduct	-1.16	
08 81 23 13-0036    SF    3/16" Thick, Frosted Factory Installed Glass.....	16.85	
For >50 To 200, Deduct	-0.51	
For >200 To 400, Deduct	-1.01	
For >400, Deduct	-1.52	
08 81 23 13-0037    SF    1/4" Thick, Frosted Factory Installed Glass.....	21.30	
For >50 To 200, Deduct	-0.64	
For >200 To 400, Deduct	-1.28	
For >400, Deduct	-1.92	
08 81 23 13-0038    SF    3/8" Thick, Frosted Factory Installed Glass.....	31.84	
For >50 To 200, Deduct	-0.96	
For >200 To 400, Deduct	-1.91	
For >400, Deduct	-2.87	
<b>08 81 23 13-0039</b> <b>Fire Rated Factory Installed Glass</b> <small>(08 81 23 13)</small>		
<b>08 81 23 13-0040</b> <b>Fire Rated Factory Installed Glass</b> <small>(08 81 23 13-0039)</small>		
08 81 23 13-0041    SF    20 Minute, Fire Rated Factory Installed Glass.....	46.65	
08 81 23 13-0042    SF    45 Minute, Fire Rated Factory Installed Glass.....	92.88	
08 81 23 13-0043    SF    60 Minute, Fire Rated Factory Installed Glass.....	143.54	
08 81 23 13-0044    SF    90 Minute, Fire Rated Factory Installed Glass.....	189.98	
<b>08 81 23 13-0045</b> <b>Laminated Factory Installed Glass</b> <small>(08 81 23 13)</small>		
<b>08 81 23 13-0046</b> <b>Laminated Glass With PVB Interlayer, Factory Installed Glass</b> <small>(08 81 23 13-0045)</small> Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047    SF    1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	27.68	
For >50 To 200, Deduct	-0.83	
For >200 To 400, Deduct	-1.66	
For >400, Deduct	-2.49	
For Tinted Glass, Add	5.54	
For Reflective Coated Glass, Add	8.30	
For Low-E Coated Glass, Add	6.92	
For One Piece Heat Strengthened Glass, Add	5.54	
For One Piece Fully Tempered Glass, Add	5.54	
08 81 23 13-0048    SF    3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	34.56	
For >50 To 200, Deduct	-1.04	
For >200 To 400, Deduct	-2.07	
For >400, Deduct	-3.11	
For Tinted Glass, Add	6.91	
For Reflective Coated Glass, Add	10.37	
For Low-E Coated Glass, Add	8.64	
For One Piece Heat Strengthened Glass, Add	6.91	
For One Piece Fully Tempered Glass, Add	6.91	
08 81 23 13-0049    SF    1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	39.92	
For >50 To 200, Deduct	-1.20	
For >200 To 400, Deduct	-2.40	
For >400, Deduct	-3.59	
For Tinted Glass, Add	7.98	
For Reflective Coated Glass, Add	11.98	
For Low-E Coated Glass, Add	9.98	
For One Piece Heat Strengthened Glass, Add	7.98	
For One Piece Fully Tempered Glass, Add	7.98	





<b>Openings</b>	<b>08</b>	<b>08</b>
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0050 Insulated Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0051 Insulated, Factory Installed Glass <small>(08 81 23 13-0050)</small> Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052 3/16" Air Space, Insulated, Factory Installed Glass <small>(08 81 23 13-0051)</small> Note: Type I, Class I, Quality Q3.		
08 81 23 13-0053 SF 3/8" Thick, Insulated Factory Installed Glass..... 16.25 Note: Two 3/32" lites with 3/16" air space.		
For >50 To 200, Deduct	-0.49	
For >200 To 400, Deduct	-0.98	
For >400, Deduct	-1.46	
For Tinted Glass, Add	2.44	
For Reflective Coated Glass, Add	4.88	
For Low-E Coated Glass, Add	4.06	
For One Piece Heat Strengthened Glass, Add	3.25	
For One Piece Fully Tempered Glass, Add	3.25	
For One Piece Obscure Glass, Add	6.91	
For Argon Gas, Add	2.23	
08 81 23 13-0054 SF 1/2" Thick, Insulated Factory Installed Glass..... 17.75 Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
For >50 To 200, Deduct	-0.53	
For >200 To 400, Deduct	-1.07	
For >400, Deduct	-1.60	
For Tinted Glass, Add	2.66	
For Reflective Coated Glass, Add	5.33	
For Low-E Coated Glass, Add	4.44	
For One Piece Heat Strengthened Glass, Add	3.55	
For One Piece Fully Tempered Glass, Add	3.55	
For One Piece Obscure Glass, Add	7.54	
For Argon Gas, Add	2.44	
08 81 23 13-0055 SF 9/16" Thick, Insulated Factory Installed Glass..... 17.78 Note: Two 3/16" lites with 3/16" air space.		
For >50 To 200, Deduct	-0.53	
For >200 To 400, Deduct	-1.07	
For >400, Deduct	-1.60	
For Tinted Glass, Add	2.67	
For Reflective Coated Glass, Add	5.33	
For Low-E Coated Glass, Add	4.45	
For One Piece Heat Strengthened Glass, Add	3.56	
For One Piece Fully Tempered Glass, Add	3.56	
For One Piece Obscure Glass, Add	7.56	
For Argon Gas, Add	2.44	
08 81 23 13-0056 1/4" Air Space, Insulated, Factory Installed Glass <small>(08 81 23 13-0051)</small> Note: Type I, Class I, Quality Q3.		
08 81 23 13-0057 SF 7/16" Thick, Insulated Factory Installed Glass..... 16.72 Note: Two 3/32" lites with 1/4" air space.		
For >50 To 200, Deduct	-0.50	
For >200 To 400, Deduct	-1.00	
For >400, Deduct	-1.50	
For Tinted Glass, Add	2.51	
For Reflective Coated Glass, Add	5.02	
For Low-E Coated Glass, Add	4.18	
For One Piece Heat Strengthened Glass, Add	3.34	
For One Piece Fully Tempered Glass, Add	3.34	
For One Piece Obscure Glass, Add	7.11	
For Argon Gas, Add	2.30	
08 81 23 13-0058 SF 1/2" Thick, Insulated Factory Installed Glass..... 17.75 Note: Two 1/8" lites with 1/4" air space.		
For >50 To 200, Deduct	-0.53	
For >200 To 400, Deduct	-1.07	
For >400, Deduct	-1.60	
For Tinted Glass, Add	2.66	
For Reflective Coated Glass, Add	5.33	
For Low-E Coated Glass, Add	4.44	
For One Piece Heat Strengthened Glass, Add	3.55	
For One Piece Fully Tempered Glass, Add	3.55	
For One Piece Obscure Glass, Add	7.54	
For Argon Gas, Add	2.44	
08 81 23 13-0059 SF 5/8" Thick, Insulated Factory Installed Glass..... 17.96 Note: Two 3/16" lites with 1/4" air space.		
For >50 To 200, Deduct	-0.54	
For >200 To 400, Deduct	-1.08	
For >400, Deduct	-1.62	
For Tinted Glass, Add	2.69	
For Reflective Coated Glass, Add	5.39	
For Low-E Coated Glass, Add	4.49	
For One Piece Heat Strengthened Glass, Add	3.59	
For One Piece Fully Tempered Glass, Add	3.59	
For One Piece Obscure Glass, Add	7.63	
For Argon Gas, Add	2.47	

08	<b>08</b>	<b>Openings</b>
	<b>08 80</b>	<b>Glazing</b>
	<b>08 81</b>	<b>Glass Glazing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0060 SF 5/8" Thick, Insulated Factory Installed Glass ..... Note: One 1/4" lite and one 1/8" lite with 1/4" air space.	17.96	
For >50 To 200, Deduct	-0.54	
For >200 To 400, Deduct	-1.08	
For >400, Deduct	-1.62	
For Tinted Glass, Add	2.69	
For Reflective Coated Glass, Add	5.39	
For Low-E Coated Glass, Add	4.49	
For One Piece Heat Strengthened Glass, Add	3.59	
For One Piece Fully Tempered Glass, Add	3.59	
For One Piece Obscure Glass, Add	7.63	
For Argon Gas, Add	2.47	
08 81 23 13-0061 SF 3/4" Thick, Insulated Factory Installed Glass ..... Note: Two 1/4" lites with 1/4" air space.	20.52	
For >50 To 200, Deduct	-0.62	
For >200 To 400, Deduct	-1.23	
For >400, Deduct	-1.85	
For Tinted Glass, Add	3.08	
For Reflective Coated Glass, Add	6.16	
For Low-E Coated Glass, Add	5.13	
For One Piece Heat Strengthened Glass, Add	4.10	
For One Piece Fully Tempered Glass, Add	4.10	
For One Piece Obscure Glass, Add	8.72	
For Argon Gas, Add	2.82	
<b>08 81 23 13-0062 3/8" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051)</b>		
Note: Type I, Class I, Quality Q3.		
08 81 23 13-0063 SF 5/8" Thick, Insulated Factory Installed Glass ..... Note: Two 1/8" lites with 3/8" air space.	17.96	
For >50 To 200, Deduct	-0.54	
For >200 To 400, Deduct	-1.08	
For >400, Deduct	-1.62	
For Tinted Glass, Add	2.69	
For Reflective Coated Glass, Add	5.39	
For Low-E Coated Glass, Add	4.49	
For One Piece Heat Strengthened Glass, Add	3.59	
For One Piece Fully Tempered Glass, Add	3.59	
For One Piece Obscure Glass, Add	7.63	
For Argon Gas, Add	2.47	
08 81 23 13-0064 SF 3/4" Thick, Insulated Factory Installed Glass ..... Note: Two 3/16" lites with 3/8" air space.	18.81	
For >50 To 200, Deduct	-0.56	
For >200 To 400, Deduct	-1.13	
For >400, Deduct	-1.69	
For Tinted Glass, Add	2.82	
For Reflective Coated Glass, Add	5.64	
For Low-E Coated Glass, Add	4.70	
For One Piece Heat Strengthened Glass, Add	3.76	
For One Piece Fully Tempered Glass, Add	3.76	
For One Piece Obscure Glass, Add	7.99	
For Argon Gas, Add	2.59	
08 81 23 13-0065 SF 7/8" Thick, Insulated Factory Installed Glass ..... Note: Two 1/4" lites with 3/8" air space.	20.86	
For >50 To 200, Deduct	-0.63	
For >200 To 400, Deduct	-1.25	
For >400, Deduct	-1.88	
For Tinted Glass, Add	3.13	
For Reflective Coated Glass, Add	6.26	
For Low-E Coated Glass, Add	5.22	
For One Piece Heat Strengthened Glass, Add	4.17	
For One Piece Fully Tempered Glass, Add	4.17	
For One Piece Obscure Glass, Add	8.87	
For Argon Gas, Add	2.87	
08 81 23 13-0066 SF 1" Thick, Insulated Factory Installed Glass ..... Note: Two 5/16" lites with 3/8" air space.	23.57	
For >50 To 200, Deduct	-0.71	
For >200 To 400, Deduct	-1.41	
For >400, Deduct	-2.12	
For Tinted Glass, Add	3.54	
For Reflective Coated Glass, Add	7.07	
For Low-E Coated Glass, Add	5.89	
For One Piece Heat Strengthened Glass, Add	4.71	
For One Piece Fully Tempered Glass, Add	4.71	
For One Piece Obscure Glass, Add	10.02	
For Argon Gas, Add	3.24	
<b>08 81 23 13-0067 1/2" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051)</b>		
Note: Type I, Class I, Quality Q3.		



<b>Openings</b>	<b>08</b>	<b>08</b>
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0068 SF 3/4" Thick, Insulated Factory Installed Glass.....	18.81	
Note: Two 1/8" lites with 1/2" air space.		
For >50 To 200, Deduct	-0.56	
For >200 To 400, Deduct	-1.13	
For >400, Deduct	-1.69	
For Tinted Glass, Add	2.82	
For Reflective Coated Glass, Add	5.64	
For Low-E Coated Glass, Add	4.70	
For One Piece Heat Strengthened Glass, Add	3.76	
For One Piece Fully Tempered Glass, Add	3.76	
For One Piece Obscure Glass, Add	7.99	
For Argon Gas, Add	2.59	
08 81 23 13-0069 SF 7/8" Thick, Insulated Factory Installed Glass.....	20.86	
Note: Two 3/16" lites with 1/2" air space.		
For >50 To 200, Deduct	-0.63	
For >200 To 400, Deduct	-1.25	
For >400, Deduct	-1.88	
For Tinted Glass, Add	3.13	
For Reflective Coated Glass, Add	6.26	
For Low-E Coated Glass, Add	5.22	
For One Piece Heat Strengthened Glass, Add	4.17	
For One Piece Fully Tempered Glass, Add	4.17	
For One Piece Obscure Glass, Add	8.87	
For Argon Gas, Add	2.87	
08 81 23 13-0070 SF 7/8" Thick, Insulated Factory Installed Glass.....	20.86	
Note: One 1/4" lite and one 1/8" lite with 1/2" air space.		
For >50 To 200, Deduct	-0.63	
For >200 To 400, Deduct	-1.25	
For >400, Deduct	-1.88	
For Tinted Glass, Add	3.13	
For Reflective Coated Glass, Add	6.26	
For Low-E Coated Glass, Add	5.22	
For One Piece Heat Strengthened Glass, Add	4.17	
For One Piece Fully Tempered Glass, Add	4.17	
For One Piece Obscure Glass, Add	8.87	
For Argon Gas, Add	2.87	
08 81 23 13-0071 SF 1" Thick, Insulated Factory Installed Glass.....	22.81	
Note: Two 1/4" lites with 1/2" air space.		
For >50 To 200, Deduct	-0.68	
For >200 To 400, Deduct	-1.37	
For >400, Deduct	-2.05	
For Tinted Glass, Add	3.42	
For Reflective Coated Glass, Add	6.84	
For Low-E Coated Glass, Add	5.70	
For One Piece Heat Strengthened Glass, Add	4.56	
For One Piece Fully Tempered Glass, Add	4.56	
For One Piece Obscure Glass, Add	9.69	
For Argon Gas, Add	3.14	
<b>08 81 23 23 Field Installed Glass Glazing (08 81 23)</b>		
08 81 23 23-0001 Clear Float Field Installed Glass (08 81 23 23)		
08 81 23 23-0002 Clear Float Field Installed Glass (08 81 23 23-0001)		
Note: Type I, Class I, Quality Q3.		
08 81 23 23-0003 SF 1/8" Thick, Clear Float Field Installed Glass.....	19.99	
For >50 To 200, Deduct	-0.23	
For >200 To 400, Deduct	-0.46	
For >400, Deduct	-0.68	
For Glass Removal And Preparing Opening For New Glazing, Add	12.39	
For Tinted Glass, Add	1.90	
For Reflective Coated Glass, Add	3.42	
For Low-E Coated Glass, Add	1.90	
08 81 23 23-0004 SF 3/16" Thick, Clear Float Field Installed Glass.....	21.49	
For >50 To 200, Deduct	-0.24	
For >200 To 400, Deduct	-0.49	
For >400, Deduct	-0.73	
For Glass Removal And Preparing Opening For New Glazing, Add	13.34	
For Tinted Glass, Add	2.04	
For Reflective Coated Glass, Add	3.67	
For Low-E Coated Glass, Add	2.04	
08 81 23 23-0005 SF 1/4" Thick, Clear Float Field Installed Glass.....	24.17	
For >50 To 200, Deduct	-0.30	
For >200 To 400, Deduct	-0.59	
For >400, Deduct	-0.89	
For Glass Removal And Preparing Opening For New Glazing, Add	14.29	
For Tinted Glass, Add	2.47	
For Reflective Coated Glass, Add	4.45	
For Low-E Coated Glass, Add	2.47	

**08 Openings****08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0006	SF		5/16" Thick, Clear Float Field Installed Glass .....	32.62	
			<i>For &gt;50 To 200, Deduct</i>	-0.49	
			<i>For &gt;200 To 400, Deduct</i>	-0.99	
			<i>For &gt;400, Deduct</i>	-1.48	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.20	
			<i>For Tinted Glass, Add</i>	4.11	
			<i>For Reflective Coated Glass, Add</i>	7.39	
			<i>For Low-E Coated Glass, Add</i>	4.11	
08 81 23 23-0007	SF		3/8" Thick, Clear Float Field Installed Glass .....	41.99	
			<i>For &gt;50 To 200, Deduct</i>	-0.72	
			<i>For &gt;200 To 400, Deduct</i>	-1.43	
			<i>For &gt;400, Deduct</i>	-2.15	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	18.10	
			<i>For Tinted Glass, Add</i>	5.97	
			<i>For Reflective Coated Glass, Add</i>	10.75	
			<i>For Low-E Coated Glass, Add</i>	5.97	
08 81 23 23-0008	SF		1/2" Thick, Clear Float Field Installed Glass .....	46.27	
			<i>For &gt;50 To 200, Deduct</i>	-0.79	
			<i>For &gt;200 To 400, Deduct</i>	-1.58	
			<i>For &gt;400, Deduct</i>	-2.36	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	20.01	
			<i>For Tinted Glass, Add</i>	6.57	
			<i>For Reflective Coated Glass, Add</i>	11.82	
			<i>For Low-E Coated Glass, Add</i>	6.57	
08 81 23 23-0009	SF		5/8" Thick, Clear Float Field Installed Glass .....	56.18	
			<i>For &gt;50 To 200, Deduct</i>	-0.94	
			<i>For &gt;200 To 400, Deduct</i>	-1.88	
			<i>For &gt;400, Deduct</i>	-2.83	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	24.77	
			<i>For Tinted Glass, Add</i>	7.85	
			<i>For Reflective Coated Glass, Add</i>	14.13	
			<i>For Low-E Coated Glass, Add</i>	7.85	
08 81 23 23-0010	SF		3/4" Thick, Clear Float Field Installed Glass .....	68.34	
			<i>For &gt;50 To 200, Deduct</i>	-1.16	
			<i>For &gt;200 To 400, Deduct</i>	-2.33	
			<i>For &gt;400, Deduct</i>	-3.49	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	29.54	
			<i>For Tinted Glass, Add</i>	9.70	
			<i>For Reflective Coated Glass, Add</i>	17.46	
			<i>For Low-E Coated Glass, Add</i>	9.70	
08 81 23 23-0011			Heat Treated Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0012			Tempered, Clear Float Field Installed Glass <small>(08 81 23 23-0011)</small>		
			Note: Type I, Class I, Quality Q3.		
08 81 23 23-0013	SF		1/8" Thick, Tempered, Clear Float Field Installed Glass .....	23.69	
			<i>For &gt;50 To 200, Deduct</i>	-0.34	
			<i>For &gt;200 To 400, Deduct</i>	-0.68	
			<i>For &gt;400, Deduct</i>	-1.02	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.39	
			<i>For Tinted Glass, Add</i>	2.83	
			<i>For Reflective Coated Glass, Add</i>	5.09	
			<i>For Low-E Coated Glass, Add</i>	2.83	
08 81 23 23-0014	SF		3/16" Thick, Tempered, Clear Float Field Installed Glass .....	25.42	
			<i>For &gt;50 To 200, Deduct</i>	-0.36	
			<i>For &gt;200 To 400, Deduct</i>	-0.72	
			<i>For &gt;400, Deduct</i>	-1.09	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.34	
			<i>For Tinted Glass, Add</i>	3.02	
			<i>For Reflective Coated Glass, Add</i>	5.44	
			<i>For Low-E Coated Glass, Add</i>	3.02	
08 81 23 23-0015	SF		1/4" Thick, Tempered, Clear Float Field Installed Glass .....	28.98	
			<i>For &gt;50 To 200, Deduct</i>	-0.44	
			<i>For &gt;200 To 400, Deduct</i>	-0.88	
			<i>For &gt;400, Deduct</i>	-1.32	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.29	
			<i>For Tinted Glass, Add</i>	3.67	
			<i>For Reflective Coated Glass, Add</i>	6.61	
			<i>For Low-E Coated Glass, Add</i>	3.67	
08 81 23 23-0016	SF		5/16" Thick, Tempered, Clear Float Field Installed Glass .....	40.66	
			<i>For &gt;50 To 200, Deduct</i>	-0.73	
			<i>For &gt;200 To 400, Deduct</i>	-1.47	
			<i>For &gt;400, Deduct</i>	-2.20	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.20	
			<i>For Tinted Glass, Add</i>	6.12	
			<i>For Reflective Coated Glass, Add</i>	11.01	
			<i>For Low-E Coated Glass, Add</i>	6.12	
08 81 23 23-0017	SF		3/8" Thick, Tempered, Clear Float Field Installed Glass .....	53.64	
			<i>For &gt;50 To 200, Deduct</i>	-1.07	
			<i>For &gt;200 To 400, Deduct</i>	-2.13	
			<i>For &gt;400, Deduct</i>	-3.20	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	18.10	
			<i>For Tinted Glass, Add</i>	8.89	
			<i>For Reflective Coated Glass, Add</i>	15.99	
			<i>For Low-E Coated Glass, Add</i>	8.89	



<b>Openings</b>	<b>08</b>	<b>08</b>
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0018 SF 1/2" Thick, Tempered, Clear Float Field Installed Glass.....	59.06	
For >50 To 200, Deduct	-1.17	
For >200 To 400, Deduct	-2.34	
For >400, Deduct	-3.51	
For Glass Removal And Preparing Opening For New Glazing, Add	20.01	
For Tinted Glass, Add	9.76	
For Reflective Coated Glass, Add	17.57	
For Low-E Coated Glass, Add	9.76	
08 81 23 23-0019 SF 5/8" Thick, Tempered, Clear Float Field Installed Glass.....	71.48	
For >50 To 200, Deduct	-1.40	
For >200 To 400, Deduct	-2.80	
For >400, Deduct	-4.20	
For Glass Removal And Preparing Opening For New Glazing, Add	24.77	
For Tinted Glass, Add	11.68	
For Reflective Coated Glass, Add	21.02	
For Low-E Coated Glass, Add	11.68	
08 81 23 23-0020 SF 3/4" Thick, Tempered, Clear Float Field Installed Glass.....	87.25	
For >50 To 200, Deduct	-1.73	
For >200 To 400, Deduct	-3.46	
For >400, Deduct	-5.19	
For Glass Removal And Preparing Opening For New Glazing, Add	29.54	
For Tinted Glass, Add	14.43	
For Reflective Coated Glass, Add	25.97	
For Low-E Coated Glass, Add	14.43	
<b>08 81 23 23-0021 Patterned Field Installed Glass (08 81 23 23)</b>		
<b>08 81 23 23-0022 Rough Obscure Field Installed Glass (08 81 23 23-0021)</b>		
Note: Class II, Form 3, Finish F1.		
08 81 23 23-0023 SF 1/4" Thick, Rough Obscure Field Installed Glass.....	30.45	
For Glass Removal And Preparing Opening For New Glazing, Add	14.29	
<b>08 81 23 23-0024 Patterned, Figured Field Installed Glass (08 81 23 23-0021)</b>		
Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 23-0025 SF 1/8" Thick, Patterned, Figured Field Installed Glass.....	22.21	
For Glass Removal And Preparing Opening For New Glazing, Add	12.39	
08 81 23 23-0026 SF 7/32" Thick, Patterned, Figured Field Installed Glass.....	23.64	
For Glass Removal And Preparing Opening For New Glazing, Add	13.82	
<b>08 81 23 23-0027 Wired Field Installed Glass (08 81 23 23)</b>		
<b>08 81 23 23-0028 Square Or Diamond Pattern, Wired Field Installed Glass (08 81 23 23-0027)</b>		
Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 23-0029 SF 1/4" Thick, Square Pattern, Wired Field Installed Glass.....	39.70	
For Glass Removal And Preparing Opening For New Glazing, Add	14.29	
08 81 23 23-0030 SF 1/4" Thick, Diamond Pattern, Wired Field Installed Glass.....	49.14	
For Glass Removal And Preparing Opening For New Glazing, Add	14.29	
<b>08 81 23 23-0031 Polished, Wired Field Installed Glass (08 81 23 23-0027)</b>		
08 81 23 23-0032 SF 1/4" Thick, Polished, Wired Field Installed Glass.....	52.39	
For Glass Removal And Preparing Opening For New Glazing, Add	14.29	
<b>08 81 23 23-0033 Frosted Field Installed Glass (08 81 23 23)</b>		
<b>08 81 23 23-0034 Frosted Field Installed Glass (08 81 23 23-0033)</b>		
08 81 23 23-0035 SF 1/8" Thick, Frosted Field Installed Glass.....	25.24	
For >50 To 200, Deduct	-0.39	
For >200 To 400, Deduct	-0.77	
For >400, Deduct	-1.16	
For Glass Removal And Preparing Opening For New Glazing, Add	12.39	
08 81 23 23-0036 SF 3/16" Thick, Frosted Field Installed Glass.....	30.19	
For >50 To 200, Deduct	-0.51	
For >200 To 400, Deduct	-1.01	
For >400, Deduct	-1.52	
For Glass Removal And Preparing Opening For New Glazing, Add	13.34	
08 81 23 23-0037 SF 1/4" Thick, Frosted Field Installed Glass.....	35.59	
For >50 To 200, Deduct	-0.64	
For >200 To 400, Deduct	-1.28	
For >400, Deduct	-1.92	
For Glass Removal And Preparing Opening For New Glazing, Add	14.29	
08 81 23 23-0038 SF 3/8" Thick, Frosted Field Installed Glass.....	49.94	
For >50 To 200, Deduct	-0.96	
For >200 To 400, Deduct	-1.91	
For >400, Deduct	-2.87	
For Glass Removal And Preparing Opening For New Glazing, Add	18.10	
<b>08 81 23 23-0039 Fire Rated Field Installed Glass (08 81 23 23)</b>		
<b>08 81 23 23-0040 Fire Rated Field Installed Glass (08 81 23 23-0039)</b>		

**08 Openings****08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0041	SF		20 Minute, Fire Rated Field Installed Glass .....	60.94	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.29	
08 81 23 23-0042	SF		45 Minute, Fire Rated Field Installed Glass .....	107.17	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.29	
08 81 23 23-0043	SF		60 Minute, Fire Rated Field Installed Glass .....	157.83	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.29	
08 81 23 23-0044	SF		90 Minute, Fire Rated Field Installed Glass .....	204.27	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.29	
<b>08 81 23 23-0045</b>			<b>Laminated Field Installed Glass</b> <small>(08 81 23 23)</small>		
<b>08 81 23 23-0046</b>			<b>Laminated Glass With PVB Interlayer, Field Installed Glass</b> <small>(08 81 23 23-0045)</small>		
			Note: Type I, Class I, Quality Q3.		
08 81 23 23-0047	SF		1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass .....	41.97	
			<i>For &gt;50 To 200, Deduct</i>	-0.83	
			<i>For &gt;200 To 400, Deduct</i>	-1.66	
			<i>For &gt;400, Deduct</i>	-2.49	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.29	
			<i>For Tinted Glass, Add</i>	5.54	
			<i>For Reflective Coated Glass, Add</i>	8.30	
			<i>For Low-E Coated Glass, Add</i>	6.92	
			<i>For One Piece Heat Strengthened Glass, Add</i>	5.54	
			<i>For One Piece Fully Tempered Glass, Add</i>	5.54	
08 81 23 23-0048	SF		3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass .....	52.66	
			<i>For &gt;50 To 200, Deduct</i>	-1.04	
			<i>For &gt;200 To 400, Deduct</i>	-2.07	
			<i>For &gt;400, Deduct</i>	-3.11	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	18.10	
			<i>For Tinted Glass, Add</i>	6.91	
			<i>For Reflective Coated Glass, Add</i>	10.37	
			<i>For Low-E Coated Glass, Add</i>	8.64	
			<i>For One Piece Heat Strengthened Glass, Add</i>	6.91	
			<i>For One Piece Fully Tempered Glass, Add</i>	6.91	
08 81 23 23-0049	SF		1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass .....	59.93	
			<i>For &gt;50 To 200, Deduct</i>	-1.20	
			<i>For &gt;200 To 400, Deduct</i>	-2.40	
			<i>For &gt;400, Deduct</i>	-3.59	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	20.01	
			<i>For Tinted Glass, Add</i>	7.98	
			<i>For Reflective Coated Glass, Add</i>	11.98	
			<i>For Low-E Coated Glass, Add</i>	9.98	
			<i>For One Piece Heat Strengthened Glass, Add</i>	7.98	
			<i>For One Piece Fully Tempered Glass, Add</i>	7.98	
08 81 23 23-0050	SF		9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass .....	67.31	
			<i>For &gt;50 To 200, Deduct</i>	-1.35	
			<i>For &gt;200 To 400, Deduct</i>	-2.69	
			<i>For &gt;400, Deduct</i>	-4.04	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	22.40	
			<i>For Tinted Glass, Add</i>	8.98	
			<i>For Reflective Coated Glass, Add</i>	13.47	
			<i>For Low-E Coated Glass, Add</i>	11.23	
			<i>For One Piece Heat Strengthened Glass, Add</i>	8.98	
			<i>For One Piece Fully Tempered Glass, Add</i>	8.98	
<b>08 81 23 23-0051</b>			<b>Insulated Field Installed Glass</b> <small>(08 81 23 23)</small>		
<b>08 81 23 23-0052</b>			<b>Insulated Glass, Field Installed Glass</b> <small>(08 81 23 23-0051)</small>		
			Note: Type I, Class I, Quality Q3.		
<b>08 81 23 23-0053</b>			<b>3/16" Air Space, Insulated, Field Installed Glass</b> <small>(08 81 23 23-0052)</small>		
			Note: Type I, Class I, Quality Q3.		
08 81 23 23-0054	SF		3/8" Thick, Insulated Field Installed Glass .....	32.26	
			Note: Two 3/32" lites with 3/16" air space.		
			<i>For &gt;50 To 200, Deduct</i>	-0.49	
			<i>For &gt;200 To 400, Deduct</i>	-0.98	
			<i>For &gt;400, Deduct</i>	-1.46	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.01	
			<i>For Tinted Glass, Add</i>	2.44	
			<i>For Reflective Coated Glass, Add</i>	4.88	
			<i>For Low-E Coated Glass, Add</i>	4.06	
			<i>For One Piece Heat Strengthened Glass, Add</i>	3.25	
			<i>For One Piece Fully Tempered Glass, Add</i>	3.25	
			<i>For One Piece Obscure Glass, Add</i>	6.91	
			<i>For Argon Gas, Add</i>	2.23	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Glazing</b>	<b>08 80</b>	
<b>Glass Glazing</b>	<b>08 81</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0055 SF 1/2" Thick, Insulated Field Installed Glass ..... 34.43 Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
For >50 To 200, Deduct	-0.53	
For >200 To 400, Deduct	-1.07	
For >400, Deduct	-1.60	
For Glass Removal And Preparing Opening For New Glazing, Add	16.68	
For Tinted Glass, Add	2.66	
For Reflective Coated Glass, Add	5.33	
For Low-E Coated Glass, Add	4.44	
For One Piece Heat Strengthened Glass, Add	3.55	
For One Piece Fully Tempered Glass, Add	3.55	
For One Piece Obscure Glass, Add	7.54	
For Argon Gas, Add	2.44	
08 81 23 23-0056 SF 9/16" Thick, Insulated Field Installed Glass ..... 34.74 Note: Two 3/16" lites with 3/16" air space.		
For >50 To 200, Deduct	-0.53	
For >200 To 400, Deduct	-1.07	
For >400, Deduct	-1.60	
For Glass Removal And Preparing Opening For New Glazing, Add	16.96	
For Tinted Glass, Add	2.67	
For Reflective Coated Glass, Add	5.33	
For Low-E Coated Glass, Add	4.45	
For One Piece Heat Strengthened Glass, Add	3.56	
For One Piece Fully Tempered Glass, Add	3.56	
For One Piece Obscure Glass, Add	7.56	
For Argon Gas, Add	2.44	
<b>08 81 23 23-0057 1/4" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)</b>		
Note: Type I, Class I, Quality Q3.		
08 81 23 23-0058 SF 7/16" Thick, Insulated Field Installed Glass ..... 33.02 Note: Two 3/32" lites with 1/4" air space.		
For >50 To 200, Deduct	-0.50	
For >200 To 400, Deduct	-1.00	
For >400, Deduct	-1.50	
For Glass Removal And Preparing Opening For New Glazing, Add	16.30	
For Tinted Glass, Add	2.51	
For Reflective Coated Glass, Add	5.02	
For Low-E Coated Glass, Add	4.18	
For One Piece Heat Strengthened Glass, Add	3.34	
For One Piece Fully Tempered Glass, Add	3.34	
For One Piece Obscure Glass, Add	7.11	
For Argon Gas, Add	2.30	
08 81 23 23-0059 SF 1/2" Thick, Insulated Field Installed Glass ..... 34.43 Note: Two 1/8" lites with 1/4" air space.		
For >50 To 200, Deduct	-0.53	
For >200 To 400, Deduct	-1.07	
For >400, Deduct	-1.60	
For Glass Removal And Preparing Opening For New Glazing, Add	16.68	
For Tinted Glass, Add	2.66	
For Reflective Coated Glass, Add	5.33	
For Low-E Coated Glass, Add	4.44	
For One Piece Heat Strengthened Glass, Add	3.55	
For One Piece Fully Tempered Glass, Add	3.55	
For One Piece Obscure Glass, Add	7.54	
For Argon Gas, Add	2.44	
08 81 23 23-0060 SF 5/8" Thick, Insulated Field Installed Glass ..... 35.75 Note: Two 3/16" lites with 1/4" air space.		
For >50 To 200, Deduct	-0.54	
For >200 To 400, Deduct	-1.08	
For >400, Deduct	-1.62	
For Glass Removal And Preparing Opening For New Glazing, Add	17.79	
For Tinted Glass, Add	2.69	
For Reflective Coated Glass, Add	5.39	
For Low-E Coated Glass, Add	4.49	
For One Piece Heat Strengthened Glass, Add	3.59	
For One Piece Fully Tempered Glass, Add	3.59	
For One Piece Obscure Glass, Add	7.63	
For Argon Gas, Add	2.47	
08 81 23 23-0061 SF 5/8" Thick, Insulated Field Installed Glass ..... 35.75 Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
For >50 To 200, Deduct	-0.54	
For >200 To 400, Deduct	-1.08	
For >400, Deduct	-1.62	
For Glass Removal And Preparing Opening For New Glazing, Add	17.79	
For Tinted Glass, Add	2.69	
For Reflective Coated Glass, Add	5.39	
For Low-E Coated Glass, Add	4.49	
For One Piece Heat Strengthened Glass, Add	3.59	
For One Piece Fully Tempered Glass, Add	3.59	
For One Piece Obscure Glass, Add	7.63	
For Argon Gas, Add	2.47	

**08 Openings****08 80 Glazing****08 81 Glass Glazing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 81 23 23-0062	SF 3/4" Thick, Insulated Field Installed Glass ..... Note: Two 1/4" lites with 1/4" air space.	39.93	
	For >50 To 200, Deduct	-0.62	
	For >200 To 400, Deduct	-1.23	
	For >400, Deduct	-1.85	
	For Glass Removal And Preparing Opening For New Glazing, Add	19.41	
	For Tinted Glass, Add	3.08	
	For Reflective Coated Glass, Add	6.16	
	For Low-E Coated Glass, Add	5.13	
	For One Piece Heat Strengthened Glass, Add	4.10	
	For One Piece Fully Tempered Glass, Add	4.10	
	For One Piece Obscure Glass, Add	8.72	
	For Argon Gas, Add	2.82	
08 81 23 23-0063	<b>3/8" Air Space, Insulated, Field Installed Glass</b> (08 81 23 23-0052) Note: Type I, Class I, Quality Q3.		
08 81 23 23-0064	SF 5/8" Thick, Insulated Field Installed Glass ..... Note: Two 1/8" lites with 3/8" air space.	35.75	
	For >50 To 200, Deduct	-0.54	
	For >200 To 400, Deduct	-1.08	
	For >400, Deduct	-1.62	
	For Glass Removal And Preparing Opening For New Glazing, Add	17.79	
	For Tinted Glass, Add	2.69	
	For Reflective Coated Glass, Add	5.39	
	For Low-E Coated Glass, Add	4.49	
	For One Piece Heat Strengthened Glass, Add	3.59	
	For One Piece Fully Tempered Glass, Add	3.59	
	For One Piece Obscure Glass, Add	7.63	
	For Argon Gas, Add	2.47	
08 81 23 23-0065	SF 3/4" Thick, Insulated Field Installed Glass ..... Note: Two 3/16" lites with 3/8" air space.	38.22	
	For >50 To 200, Deduct	-0.56	
	For >200 To 400, Deduct	-1.13	
	For >400, Deduct	-1.69	
	For Glass Removal And Preparing Opening For New Glazing, Add	19.41	
	For Tinted Glass, Add	2.82	
	For Reflective Coated Glass, Add	5.64	
	For Low-E Coated Glass, Add	4.70	
	For One Piece Heat Strengthened Glass, Add	3.76	
	For One Piece Fully Tempered Glass, Add	3.76	
	For One Piece Obscure Glass, Add	7.99	
	For Argon Gas, Add	2.59	
08 81 23 23-0066	SF 7/8" Thick, Insulated Field Installed Glass ..... Note: Two 1/4" lites with 3/8" air space.	40.68	
	For >50 To 200, Deduct	-0.63	
	For >200 To 400, Deduct	-1.25	
	For >400, Deduct	-1.88	
	For Glass Removal And Preparing Opening For New Glazing, Add	19.82	
	For Tinted Glass, Add	3.13	
	For Reflective Coated Glass, Add	6.26	
	For Low-E Coated Glass, Add	5.22	
	For One Piece Heat Strengthened Glass, Add	4.17	
	For One Piece Fully Tempered Glass, Add	4.17	
	For One Piece Obscure Glass, Add	8.87	
	For Argon Gas, Add	2.87	
08 81 23 23-0067	SF 1" Thick, Insulated Field Installed Glass ..... Note: Two 5/16" lites with 3/8" air space.	43.58	
	For >50 To 200, Deduct	-0.71	
	For >200 To 400, Deduct	-1.41	
	For >400, Deduct	-2.12	
	For Glass Removal And Preparing Opening For New Glazing, Add	20.01	
	For Tinted Glass, Add	3.54	
	For Reflective Coated Glass, Add	7.07	
	For Low-E Coated Glass, Add	5.89	
	For One Piece Heat Strengthened Glass, Add	4.71	
	For One Piece Fully Tempered Glass, Add	4.71	
	For One Piece Obscure Glass, Add	10.02	
	For Argon Gas, Add	3.24	
08 81 23 23-0068	<b>1/2" Air Space, Insulated, Field Installed Glass</b> (08 81 23 23-0052) Note: Type I, Class I, Quality Q3.		
08 81 23 23-0069	SF 3/4" Thick, Insulated Field Installed Glass ..... Note: Two 1/8" lites with 1/2" air space.	38.22	
	For >50 To 200, Deduct	-0.56	
	For >200 To 400, Deduct	-1.13	
	For >400, Deduct	-1.69	
	For Glass Removal And Preparing Opening For New Glazing, Add	19.41	
	For Tinted Glass, Add	2.82	
	For Reflective Coated Glass, Add	5.64	
	For Low-E Coated Glass, Add	4.70	
	For One Piece Heat Strengthened Glass, Add	3.76	
	For One Piece Fully Tempered Glass, Add	3.76	
	For One Piece Obscure Glass, Add	7.99	
	For Argon Gas, Add	2.59	





<b>Openings</b>	<b>08</b>	<b>08</b>
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0070 SF 7/8" Thick, Insulated Field Installed Glass ..... 40.68 Note: Two 3/16" lites with 1/2" air space. For >50 To 200, Deduct -0.63 For >200 To 400, Deduct -1.25 For >400, Deduct -1.88 For Glass Removal And Preparing Opening For New Glazing, Add 19.82 For Tinted Glass, Add 3.13 For Reflective Coated Glass, Add 6.26 For Low-E Coated Glass, Add 5.22 For One Piece Heat Strengthened Glass, Add 4.17 For One Piece Fully Tempered Glass, Add 4.17 For One Piece Obscure Glass, Add 8.87 For Argon Gas, Add 2.87		
08 81 23 23-0071 SF 7/8" Thick, Insulated Field Installed Glass ..... 40.68 Note: One 1/4" lite and one 1/8" lite with 1/2" air space. For >50 To 200, Deduct -0.63 For >200 To 400, Deduct -1.25 For >400, Deduct -1.88 For Glass Removal And Preparing Opening For New Glazing, Add 19.82 For Tinted Glass, Add 3.13 For Reflective Coated Glass, Add 6.26 For Low-E Coated Glass, Add 5.22 For One Piece Heat Strengthened Glass, Add 4.17 For One Piece Fully Tempered Glass, Add 4.17 For One Piece Obscure Glass, Add 8.87 For Argon Gas, Add 2.87		
08 81 23 23-0072 SF 1" Thick, Insulated Field Installed Glass ..... 42.82 Note: Two 1/4" lites with 1/2" air space. For >50 To 200, Deduct -0.68 For >200 To 400, Deduct -1.37 For >400, Deduct -2.05 For Glass Removal And Preparing Opening For New Glazing, Add 20.01 For Tinted Glass, Add 3.42 For Reflective Coated Glass, Add 6.84 For Low-E Coated Glass, Add 5.70 For One Piece Heat Strengthened Glass, Add 4.56 For One Piece Fully Tempered Glass, Add 4.56 For One Piece Obscure Glass, Add 9.69 For Argon Gas, Add 3.14		
<b>08 81 23 23-0073 Laminated Insulated Glass, Field Installed Glass (08 81 23 23-0051)</b>		
08 81 23 23-0074 SF 1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass ..... 117.46 Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass. For >50 To 200, Deduct -2.74 For >200 To 400, Deduct -5.48 For >400, Deduct -8.21 For Glass Removal And Preparing Opening For New Glazing, Add 26.21 For Tinted Glass, Add 13.69 For Reflective Coated Glass, Add 27.38 For Low-E Coated Glass, Add 22.81 For Argon Gas, Add 12.55		
<b>08 81 23 23-0075 Spandrel Field Installed Glass (08 81 23 23)</b>		
<b>08 81 23 23-0076 Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass (08 81 23 23-0075)</b>		
08 81 23 23-0077 SF 1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass ..... 36.38 For Glass Removal And Preparing Opening For New Glazing, Add 15.88		
08 81 23 23-0078 SF 1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass ..... 31.98 For Glass Removal And Preparing Opening For New Glazing, Add 15.88		
<b>08 81 23 23-0079 Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass (08 81 23 23-0075)</b>		
<b>08 81 23 23-0080 1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass (08 81 23 23-0079)</b> Note: Also with aluminum foil vapor barrier.		
08 81 23 23-0081 SF 1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass ..... 40.96 For Glass Removal And Preparing Opening For New Glazing, Add 15.88		
08 81 23 23-0082 SF 1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass ..... 35.98 For Glass Removal And Preparing Opening For New Glazing, Add 15.88		
<b>08 81 23 23-0083 1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass (08 81 23 23-0079)</b>		
08 81 23 23-0084 SF 1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass ..... 49.62 For Glass Removal And Preparing Opening For New Glazing, Add 15.88		
08 81 23 23-0085 SF 1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass ..... 39.83 For Glass Removal And Preparing Opening For New Glazing, Add 15.88		
<b>08 83 Mirrors (08 80)</b> Note: Kind FT, Type I, Class I, Quality Q1.		

<b>08</b>	<b>08</b>	<b>Openings</b>
	<b>08 80</b>	<b>Glazing</b>
	<b>08 83</b>	<b>Mirrors</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 83 13 Mirrored Glass Glazing (08 83)**

08 83 13 00-0001	Mirror Glass (08 83 13)		
08 83 13 00-0002	One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)		
08 83 13 00-0003	SF 1/4" One-Way Vision Glass (Transparent Mirrors).....	82.51	7.15
	For >50 To 200, Deduct	-2.05	
	For >200 To 400, Deduct	-3.42	
	For >400, Deduct	-5.47	
08 83 13 00-0004	Tempered, One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)		
08 83 13 00-0005	SF 1/4" Tempered, One-Way Vision Glass (Transparent Mirrors).....	116.46	7.15
	For >50 To 200, Deduct	-3.07	
	For >200 To 400, Deduct	-5.12	
	For >400, Deduct	-8.19	
08 83 13 00-0006	Clear Mirror Glass (08 83 13 00-0001)		
08 83 13 00-0007	SF 1/8" Clear Mirror Glass.....	26.63	5.72
	For >50 To 200, Deduct	-0.46	
	For >200 To 400, Deduct	-0.76	
	For >400, Deduct	-1.22	
08 83 13 00-0008	SF 3/16" Clear Mirror Glass.....	31.55	6.67
	For >50 To 200, Deduct	-0.55	
	For >200 To 400, Deduct	-0.92	
	For >400, Deduct	-1.47	
08 83 13 00-0009	SF 1/4" Clear Mirror Glass.....	34.64	7.15
	For >50 To 200, Deduct	-0.62	
	For >200 To 400, Deduct	-1.03	
	For >400, Deduct	-1.64	
08 83 13 00-0010	Tempered, Clear Mirror Glass (08 83 13 00-0001)		
08 83 13 00-0011	SF 1/8" Tempered, Clear Mirror Glass.....	44.85	5.72
	For >50 To 200, Deduct	-1.00	
	For >200 To 400, Deduct	-1.67	
	For >400, Deduct	-2.67	
08 83 13 00-0012	SF 3/16" Tempered, Clear Mirror Glass.....	50.89	6.67
	For >50 To 200, Deduct	-1.13	
	For >200 To 400, Deduct	-1.89	
	For >400, Deduct	-3.02	
08 83 13 00-0013	SF 1/4" Tempered, Clear Mirror Glass.....	56.20	7.15
	For >50 To 200, Deduct	-1.26	
	For >200 To 400, Deduct	-2.10	
	For >400, Deduct	-3.37	
08 83 13 00-0014	Clear Mirror Glass With Laminated Safety Backing (08 83 13 00-0001)		
08 83 13 00-0015	SF 1/4" Clear Mirror Glass With Laminated Safety Backing.....	37.58	7.15
	For >50 To 200, Deduct	-0.70	
	For >200 To 400, Deduct	-1.17	
	For >400, Deduct	-1.88	
08 83 13 00-0016	Laminated Safety Mirror Glass (08 83 13 00-0001)		
	Note: Clear glass laminated to face of mirror with PVB interlayer.		
08 83 13 00-0017	SF 1/4" Laminated Safety Mirror Glass.....	74.13	7.15
	For >50 To 200, Deduct	-1.80	
	For >200 To 400, Deduct	-3.00	
	For >400, Deduct	-4.80	
08 83 13 00-0018	Accessories For Mirror Glass (08 83 13)		
08 83 13 00-0019	LF 1/8" Aluminum J-Channel For Mounting Mirror Glass.....	5.21	
08 83 13 00-0020	LF 3/16" Aluminum J-Channel For Mounting Mirror Glass.....	5.33	
08 83 13 00-0021	LF 1/4" Aluminum J-Channel For Mounting Mirror Glass.....	6.94	
08 83 13 00-0022	LF Aluminum Frame For Mounting Mirror Glass.....	9.18	

**08 84 Plastic Glazing (08 80)**

08 84 00 00-0001	Clear Polycarbonate Glazing (GE Lexan) (08 84)		
08 84 00 00-0002	SF 1/8" Thick, Clear Polycarbonate Glazing (GE Lexan).....	16.97	
	For >50 To 200, Deduct	-0.40	
	For >200 To 400, Deduct	-0.80	
	For >400, Deduct	-1.20	
	For Glass Removal And Preparing Opening For New Glazing, Add	8.99	
08 84 00 00-0003	SF 3/16" Thick, Clear Polycarbonate Glazing (GE Lexan).....	17.88	
	For >50 To 200, Deduct	-0.43	
	For >200 To 400, Deduct	-0.85	
	For >400, Deduct	-1.28	
	For Glass Removal And Preparing Opening For New Glazing, Add	9.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0004 SF 1/4" Thick, Clear Polycarbonate Glazing (GE Lexan) .....	21.29	
<i>For &gt;50 To 200, Deduct</i>	-0.58	
<i>For &gt;200 To 400, Deduct</i>	-1.16	
<i>For &gt;400, Deduct</i>	-1.74	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.71	
08 84 00 00-0005 SF 3/8" Thick, Clear Polycarbonate Glazing (GE Lexan) .....	30.78	
<i>For &gt;50 To 200, Deduct</i>	-1.04	
<i>For &gt;200 To 400, Deduct</i>	-2.08	
<i>For &gt;400, Deduct</i>	-3.12	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.99	
08 84 00 00-0006 SF 1/2" Thick, Clear Polycarbonate Glazing (GE Lexan) .....	38.98	
<i>For &gt;50 To 200, Deduct</i>	-1.41	
<i>For &gt;200 To 400, Deduct</i>	-2.83	
<i>For &gt;400, Deduct</i>	-4.24	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.72	
<b>08 84 00 00-0007 Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) <small>(08 84)</small></b>		
08 84 00 00-0008 SF 1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	25.39	
<i>For &gt;50 To 200, Deduct</i>	-0.82	
<i>For &gt;200 To 400, Deduct</i>	-1.64	
<i>For &gt;400, Deduct</i>	-2.46	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	8.99	
08 84 00 00-0009 SF 3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	29.52	
<i>For &gt;50 To 200, Deduct</i>	-1.01	
<i>For &gt;200 To 400, Deduct</i>	-2.02	
<i>For &gt;400, Deduct</i>	-3.03	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.34	
08 84 00 00-0010 SF 1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	31.18	
<i>For &gt;50 To 200, Deduct</i>	-1.07	
<i>For &gt;200 To 400, Deduct</i>	-2.15	
<i>For &gt;400, Deduct</i>	-3.22	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.71	
08 84 00 00-0011 SF 3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	51.47	
<i>For &gt;50 To 200, Deduct</i>	-2.07	
<i>For &gt;200 To 400, Deduct</i>	-4.15	
<i>For &gt;400, Deduct</i>	-6.22	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.99	
08 84 00 00-0012 SF 1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	54.68	
<i>For &gt;50 To 200, Deduct</i>	-2.20	
<i>For &gt;200 To 400, Deduct</i>	-4.40	
<i>For &gt;400, Deduct</i>	-6.59	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.72	
<b>08 84 00 00-0013 Clear Acrylic Glazing (Plexiglas) <small>(08 84)</small></b>		
08 84 00 00-0014 SF 1/10" Thick, Clear Acrylic Glazing (Plexiglas) .....	12.72	
<i>For &gt;50 To 200, Deduct</i>	-0.21	
<i>For &gt;200 To 400, Deduct</i>	-0.41	
<i>For &gt;400, Deduct</i>	-0.62	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	8.58	
<i>For Colored, Add</i>	0.83	
<i>For Shatterproof, Add</i>	2.48	
<i>For Mirrored, Add</i>	3.31	
08 84 00 00-0015 SF 1/8" Thick, Clear Acrylic Glazing (Plexiglas) .....	13.18	
<i>For &gt;50 To 200, Deduct</i>	-0.21	
<i>For &gt;200 To 400, Deduct</i>	-0.42	
<i>For &gt;400, Deduct</i>	-0.63	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	8.99	
<i>For Colored, Add</i>	0.84	
<i>For Shatterproof, Add</i>	2.51	
<i>For Mirrored, Add</i>	3.35	
08 84 00 00-0016 SF 3/16" Thick, Clear Acrylic Glazing (Plexiglas) .....	15.88	
<i>For &gt;50 To 200, Deduct</i>	-0.33	
<i>For &gt;200 To 400, Deduct</i>	-0.65	
<i>For &gt;400, Deduct</i>	-0.98	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.34	
<i>For Colored, Add</i>	1.31	
<i>For Shatterproof, Add</i>	3.92	
<i>For Mirrored, Add</i>	5.23	
08 84 00 00-0017 SF 1/4" Thick, Clear Acrylic Glazing (Plexiglas) .....	18.32	
<i>For &gt;50 To 200, Deduct</i>	-0.43	
<i>For &gt;200 To 400, Deduct</i>	-0.86	
<i>For &gt;400, Deduct</i>	-1.29	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.71	
<i>For Colored, Add</i>	1.72	
<i>For Shatterproof, Add</i>	5.17	
<i>For Mirrored, Add</i>	6.89	
08 84 00 00-0018 SF 5/16" Thick, Clear Acrylic Glazing (Plexiglas) .....	18.79	
<i>For &gt;50 To 200, Deduct</i>	-0.45	
<i>For &gt;200 To 400, Deduct</i>	-0.90	
<i>For &gt;400, Deduct</i>	-1.35	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.77	
<i>For Colored, Add</i>	1.80	
<i>For Shatterproof, Add</i>	5.41	
<i>For Mirrored, Add</i>	7.22	

<b>08</b>	<b>08</b>	<b>Openings</b>
	<b>08 80</b>	<b>Glazing</b>
	<b>08 84</b>	<b>Plastic Glazing</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0019	SF		3/8" Thick, Clear Acrylic Glazing (Plexiglas) .....	19.42	
			<i>For &gt;50 To 200, Deduct</i>	-0.47	
			<i>For &gt;200 To 400, Deduct</i>	-0.94	
			<i>For &gt;400, Deduct</i>	-1.41	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.99	
			<i>For Colored, Add</i>	1.89	
			<i>For Shatterproof, Add</i>	5.66	
			<i>For Mirrored, Add</i>	7.54	
08 84 00 00-0020	SF		1/2" Thick, Clear Acrylic Glazing (Plexiglas) .....	23.19	
			<i>For &gt;50 To 200, Deduct</i>	-0.62	
			<i>For &gt;200 To 400, Deduct</i>	-1.25	
			<i>For &gt;400, Deduct</i>	-1.87	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.72	
			<i>For Colored, Add</i>	2.49	
			<i>For Shatterproof, Add</i>	7.48	
			<i>For Mirrored, Add</i>	9.98	
08 84 00 00-0021	SF		3/4" Thick, Clear Acrylic Glazing (Plexiglas) .....	32.98	
			<i>For &gt;50 To 200, Deduct</i>	-0.97	
			<i>For &gt;200 To 400, Deduct</i>	-1.94	
			<i>For &gt;400, Deduct</i>	-2.91	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.56	
08 84 00 00-0022	SF		1" Thick, Clear Acrylic Glazing (Plexiglas) .....	44.60	
			<i>For &gt;50 To 200, Deduct</i>	-1.49	
			<i>For &gt;200 To 400, Deduct</i>	-2.99	
			<i>For &gt;400, Deduct</i>	-4.48	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.73	

### 08 85 Glazing Accessories (08 80)

Note: Applicable to reglazing tasks only, new window installation includes the gasket.

#### 08 85 00 00-0001 Framing For Glass Windscreens (08 85)

Note: Excludes glazing.

08 85 00 00-0002	LF		1-1/4" x 1-1/2" Aluminum Framed Window Walls.....	42.80	2.07
			<i>For Bronze Anodized Aluminum, Add</i>	5.57	
			<i>For Stainless Steel, Add</i>	22.55	
			<i>For Black Anodized Finish, Add</i>	10.02	
08 85 00 00-0003	LF		1-1/2" x 2" Aluminum Framed Window Walls.....	53.38	2.59
			<i>For Bronze Anodized Aluminum, Add</i>	7.08	
			<i>For Stainless Steel, Add</i>	28.61	
			<i>For Black Anodized Finish, Add</i>	12.74	
08 85 00 00-0004	LF		1-1/2" x 3" Aluminum Framed Window Walls.....	63.63	2.07
			<i>For Bronze Anodized Aluminum, Add</i>	8.46	
			<i>For Stainless Steel, Add</i>	34.19	
			<i>For Black Anodized Finish, Add</i>	15.22	
08 85 00 00-0005	LF		1-1/2" x 4" Aluminum Framed Window Walls.....	76.69	3.10
			<i>For Bronze Anodized Aluminum, Add</i>	10.11	
			<i>For Stainless Steel, Add</i>	40.89	
			<i>For Black Anodized Finish, Add</i>	18.19	
08 85 00 00-0006	LF		2" x 3" Aluminum Framed Window Walls.....	79.39	2.59
			<i>For Bronze Anodized Aluminum, Add</i>	10.74	
			<i>For Stainless Steel, Add</i>	43.37	
			<i>For Black Anodized Finish, Add</i>	19.34	
08 85 00 00-0007	LF		2" x 4" Aluminum Framed Window Walls.....	95.91	3.10
			<i>For Bronze Anodized Aluminum, Add</i>	12.83	
			<i>For Stainless Steel, Add</i>	51.85	
			<i>For Black Anodized Finish, Add</i>	23.10	

### 08 87 Glazing Surface Films (08 80)

#### 08 87 13 Solar Control Films (08 87)

Note: Applied directly to one side of glazing with adhesive.

##### 08 87 13 00-0001 Window Tinting And Film (08 87 13)

Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.

08 87 13 00-0002	SF		20% VLT, Bronze Window Tinting Film.....	9.41	
08 87 13 00-0003	SF		50% VLT, Bronze Window Tinting Film.....	9.41	
08 87 13 00-0004	SF		Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™) .....	14.95	
08 87 13 00-0005	SF		Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™) .....	15.56	

#### 08 87 23 Safety and Security Films (08 87)

##### 08 87 23 16 Security Films (08 87 23)

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

##### 08 87 23 16-0001 High Performance, Security And Safety Glazing Films (08 87 23 16)

Note: Includes cleaning of window glazing prior to installation.

##### 08 87 23 16-0002 Clear, High Performance, Security And Safety Glazing Films (08 87 23 16-0001)

08 87 23 16-0003	SF		0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150) .....	15.23	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.69	
			<i>For &gt;5,000, Deduct</i>	-1.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 87 23 16-0004 SF 0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400).....	16.38	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.73	
<i>For &gt;5,000, Deduct</i>	-1.14	
08 87 23 16-0005 SF 0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600) .....	17.98	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.78	
<i>For &gt;5,000, Deduct</i>	-1.30	
<b>08 87 23 16-0006 Tinted, High Performance Sun/Solar, Security And Safety Glazing Films</b> <small>(08 87 23 16-0001)</small>		
08 87 23 16-0007 SF 0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400).....	17.65	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.77	
<i>For &gt;5,000, Deduct</i>	-1.27	
08 87 23 16-0008 SF 0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400) .....	17.65	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.77	
<i>For &gt;5,000, Deduct</i>	-1.27	
08 87 23 16-0009 SF 0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400) .....	17.65	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.77	
<i>For &gt;5,000, Deduct</i>	-1.27	
<b>08 87 23 16-0010 Security And Safety Glazing Films</b> <small>(08 87 23 16)</small>		
<i>Note: Includes cleaning of window glazing prior to installation.</i>		
08 87 23 16-0011 SF 0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL) .....	13.97	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.64	
<i>For &gt;5,000, Deduct</i>	-0.90	
08 87 23 16-0012 SF 0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL) .....	14.27	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.65	
<i>For &gt;5,000, Deduct</i>	-0.93	
08 87 23 16-0013 SF 0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL) .....	17.16	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.76	
<i>For &gt;5,000, Deduct</i>	-1.22	
<b>08 87 23 16-0014 Anti-Graffiti Glazing Films</b> <small>(08 87 23 16)</small>		
<i>Note: Includes cleaning of window glazing prior to installation.</i>		
08 87 23 16-0015 SF 0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4).....	13.97	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.64	
<i>For &gt;5,000, Deduct</i>	-0.90	
08 87 23 16-0016 SF 0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7).....	14.27	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.65	
<i>For &gt;5,000, Deduct</i>	-0.93	
<b>08 88 Special Function Glazing</b> <small>(08 88)</small>		
<b>08 88 49 Radiation-Resistant Glazing</b> <small>(08 88)</small>		
<b>08 88 49 00-0001 Leaded Glass (X-Ray Shielding)</b> <small>(08 88 49)</small>		
08 88 49 00-0002 SF 1/4" Thick Lead Glass With 1/16" Lead Equivalence.....	351.01	
08 88 49 00-0003 SF 1/4" Thick Lead Glass With 1/8" Lead Equivalence.....	523.68	
<b>08 88 49 00-0004 Leaded Acrylic (X-Ray Shielding)</b> <small>(08 88 49)</small>		
08 88 49 00-0005 SF 7mm Thick, 0.3mm LE, 2.3 LB/SF X-Ray Viewing Panels, Clear Lead Plastic.....	369.72	5.72
08 88 49 00-0006 SF 12mm Thick, 0.5mm LE, 3.9 LB/SF X-Ray Viewing Panels, Clear Lead Plastic.....	499.69	9.53
08 88 49 00-0007 SF 18mm Thick, 0.8mm LE, 5.9 LB/SF X-Ray Viewing Panels, Clear Lead Plastic.....	557.27	14.29
08 88 49 00-0008 SF 22mm Thick, 1mm LE, 7.2 LB/SF X-Ray Viewing Panels, Clear Lead Plastic.....	576.10	17.15
08 88 49 00-0009 SF 35mm Thick, 1.5mm LE, 11.5 LB/SF X-Ray Viewing Panels, Clear Lead Plastic.....	661.65	27.16
08 88 49 00-0010 SF 46mm Thick, 2mm LE, 15 LB/SF X-Ray Viewing Panels, Clear Lead Plastic.....	872.00	36.21
<b>08 88 53 Security Glazing</b> <small>(08 88)</small>		
<b>08 88 53 00-0001 Forced Entry And/Or Ballistic Resistant All Glass Laminate</b> <small>(08 88 53)</small>		
<b>08 88 53 00-0002 Ballistic Resistant Glass</b> <small>(08 88 53 00-0001)</small>		
08 88 53 00-0003 SF 1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, Up To 15 SF.....	129.92	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	59.07	
08 88 53 00-0004 SF 1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, >15 SF.....	153.92	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	59.07	
08 88 53 00-0005 SF 1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, Up To 15 SF.....	174.62	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	66.70	
08 88 53 00-0006 SF 1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, >15 SF.....	194.67	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	66.70	
08 88 53 00-0007 SF 2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, Up To 15 SF.....	221.20	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	76.22	
08 88 53 00-0008 SF 2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, >15 SF.....	237.31	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	76.22	

<b>08</b>	<b>08</b>	<b>Openings</b>
	<b>08 80</b>	<b>Glazing</b>
	<b>08 88</b>	<b>Special Function Glazing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 88 53 00-0009</b>	<b>Forced Entry Resistant Glass</b> <small>(08 88 53 00-0001)</small>	
08 88 53 00-0010	SF 5/16" Forced Entry Resistant Laminated Glass Sheet ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	48.87 14.88
08 88 53 00-0011	SF 1/2" Forced Entry Resistant Laminated Glass Sheet ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	55.61 15.88
08 88 53 00-0012	SF 11/16" Forced Entry Resistant Laminated Glass Sheet ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	63.58 17.02
08 88 53 00-0013	SF 7/8" Forced Entry Resistant Laminated Glass Sheet ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	77.21 18.32
<b>08 88 53 00-0014</b>	<b>Glass Clad Polycarbonate</b> <small>(08 88 53)</small>	
08 88 53 00-0015	SF 0.75" Ballistic Resistant Glass/Poly, 7.84 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	191.91 72.41
08 88 53 00-0016	SF 0.8125" Ballistic Resistant Glass/Poly, 8.99 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	214.21 83.85
08 88 53 00-0017	SF 0.9375" Ballistic Resistant Glass/Poly, 11.11 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	275.30 95.28
<b>08 88 53 00-0018</b>	<b>Ballistic Resistant Acrylic</b> <small>(08 88 53)</small>	
08 88 53 00-0019	SF 1.25" Ballistic Resistant Acrylic Glass, 7.7 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	336.23 72.41
08 88 53 00-0020	SF 1.378" Ballistic Resistant Acrylic Glass, 8.5 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	394.23 83.85
08 88 53 00-0021	SF 1.25" Ballistic Resistant Acrylic Glass, 7.5 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	529.81 95.28
<b>08 88 53 00-0022</b>	<b>Ballistic Resistant Fiberglass</b> <small>(08 88 53)</small>	
08 88 53 00-0023	SF 5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	80.28 36.21
08 88 53 00-0024	SF 3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	95.09 41.92
08 88 53 00-0025	SF 7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	107.85 47.64
<b>08 88 53 00-0026</b>	<b>Forced Entry And/Or Ballistic Resistant Polycarbonate</b> <small>(08 88 53)</small>	
<b>08 88 53 00-0027</b>	<b>Forced Entry Resistant Monolithic Polycarbonate</b> <small>(08 88 53 00-0026)</small>	
	Note: GE-Lexan MR10.	
08 88 53 00-0028	SF 1/2" Overall Nominal Thickness, H.P. White TP-0500.01 ..... Note: Level 1 or ASTM F1233, Class II (Step 5). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	109.58 57.75
<b>08 88 53 00-0029</b>	<b>Forced Entry Resistant Glass Clad Polycarbonate Laminate</b> <small>(08 88 53 00-0026)</small>	
	Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.	
08 88 53 00-0030	SF 9/16" Overall Nominal Thickness, H.P. White TP-0500.01 ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	135.45 71.46
<b>08 88 53 00-0031</b>	<b>Forced Entry Resistant Polycarbonate Laminate</b> <small>(08 88 53 00-0026)</small>	
	Note: GE-Lexgard MPC-500.	
08 88 53 00-0032	SF 1/2" Overall Nominal Thickness, H.P. White TP-0500.01 ..... Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	168.59 76.22
<b>08 88 53 00-0033</b>	<b>Fire Resistant, Forced Entry Resistant Polycarbonate Laminate</b> <small>(08 88 53 00-0026)</small>	
	Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.	
08 88 53 00-0034	SF 7/8" Overall Nominal Thickness, H.P. White TP-0500.01 ..... Note: UL-9 Fire Resistant. <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	185.23 80.99
<b>08 88 53 00-0035</b>	<b>Insulated, Forced Entry Resistant Polycarbonate Laminate</b> <small>(08 88 53 00-0026)</small>	
	Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.	
08 88 53 00-0036	SF 1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 ..... Note: Level I (1/4" tempered float glass, 1/2" airspace). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	158.33 71.46
<b>08 88 53 00-0037</b>	<b>Ballistic And Forced Entry Resistant Polycarbonate Laminate</b> <small>(08 88 53 00-0026)</small>	
08 88 53 00-0038	SF 1" Nominal Thickness, Ballistic Or Forced Entry Resistant ..... Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	366.51 158.17



<b>Openings</b>	<b>08</b>	<b>08</b>
Glazing	08 80	
Special Function Glazing	08 88	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0039 SF 1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant.....	371.43	
Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun).		
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	158.17	
<b>08 88 53 00-0040 Ballistic Resistant Glass Clad Polycarbonate Laminate</b> (08 88 53 00-0026)		
Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.		
08 88 53 00-0041 SF 1-5/16" Overall Nominal Thickness, Ballistic Resistant.....	243.68	
Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard).		
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	106.72	

## 08 90 Louvers and Vents (08)

### 08 91 Louvers (08 90)

#### 08 91 13 Motorized Wall Louvers (08 91)

08 91 13 00-0001 Motorized Wall Louver Actuator (08 91 13)		
See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.		
08 91 13 00-0002 EA 115 Volt Actuator For Adjustable Intake Louver.....	1,984.04	96.08
08 91 13 00-0003 EA 230 Volt Actuator For Adjustable Intake Louver.....	3,081.58	96.08
08 91 13 00-0004 EA 24 Volt Actuator For Adjustable Intake Louver.....	2,140.48	96.08
08 91 13 00-0005 EA 115 Volt Hazardous Location Actuator For Adjustable Intake Louver.....	8,582.70	96.08

#### 08 91 16 Operable Wall Louvers (08 91)

08 91 16 00-0001 Adjustable Intake Wall Louvers (08 91 16)		
See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		
08 91 16 00-0002 EA 12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	553.19	25.43
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	50.23	
<i>For Clear Lacquer Finish, Add</i>	100.46	
<i>For Baked Enamel Standard Colors, Add</i>	150.70	
<i>For Anodized Finish, Add</i>	200.93	
<i>For Kynar® Standard Colors Finish, Add</i>	276.28	
08 91 16 00-0003 EA 12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	691.60	31.09
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	62.94	
<i>For Clear Lacquer Finish, Add</i>	125.89	
<i>For Baked Enamel Standard Colors, Add</i>	188.83	
<i>For Anodized Finish, Add</i>	251.77	
<i>For Kynar® Standard Colors Finish, Add</i>	346.19	
08 91 16 00-0004 EA 12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	817.79	36.74
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	74.43	
<i>For Clear Lacquer Finish, Add</i>	148.86	
<i>For Baked Enamel Standard Colors, Add</i>	223.30	
<i>For Anodized Finish, Add</i>	297.73	
<i>For Kynar® Standard Colors Finish, Add</i>	409.38	
08 91 16 00-0005 EA 12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	957.42	42.39
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	87.27	
<i>For Clear Lacquer Finish, Add</i>	174.53	
<i>For Baked Enamel Standard Colors, Add</i>	261.80	
<i>For Anodized Finish, Add</i>	349.06	
<i>For Kynar® Standard Colors Finish, Add</i>	479.96	
08 91 16 00-0006 EA 12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,078.73	48.04
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	98.27	
<i>For Clear Lacquer Finish, Add</i>	196.53	
<i>For Baked Enamel Standard Colors, Add</i>	294.80	
<i>For Anodized Finish, Add</i>	393.06	
<i>For Kynar® Standard Colors Finish, Add</i>	540.46	
08 91 16 00-0007 EA 12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,274.58	53.70
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	116.72	
<i>For Clear Lacquer Finish, Add</i>	233.44	
<i>For Baked Enamel Standard Colors, Add</i>	350.16	
<i>For Anodized Finish, Add</i>	466.88	
<i>For Kynar® Standard Colors Finish, Add</i>	641.96	
08 91 16 00-0008 EA 12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,453.33	59.35
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	133.46	
<i>For Clear Lacquer Finish, Add</i>	266.93	
<i>For Baked Enamel Standard Colors, Add</i>	400.39	
<i>For Anodized Finish, Add</i>	533.86	
<i>For Kynar® Standard Colors Finish, Add</i>	734.05	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	16 00-0009	EA	12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,613.28	67.83
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	147.76	
			<i>For Clear Lacquer Finish, Add</i>	295.53	
			<i>For Baked Enamel Standard Colors, Add</i>	443.29	
			<i>For Anodized Finish, Add</i>	591.06	
			<i>For Kynar® Standard Colors Finish, Add</i>	812.70	
08 91	16 00-0010	EA	12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,721.14	73.47
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	157.42	
			<i>For Clear Lacquer Finish, Add</i>	314.84	
			<i>For Baked Enamel Standard Colors, Add</i>	472.26	
			<i>For Anodized Finish, Add</i>	629.68	
			<i>For Kynar® Standard Colors Finish, Add</i>	865.80	
08 91	16 00-0011	EA	12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,857.11	79.12
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	169.89	
			<i>For Clear Lacquer Finish, Add</i>	339.77	
			<i>For Baked Enamel Standard Colors, Add</i>	509.66	
			<i>For Anodized Finish, Add</i>	679.54	
			<i>For Kynar® Standard Colors Finish, Add</i>	934.37	
08 91	16 00-0012	EA	12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,975.97	84.77
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	180.64	
			<i>For Clear Lacquer Finish, Add</i>	361.28	
			<i>For Baked Enamel Standard Colors, Add</i>	541.92	
			<i>For Anodized Finish, Add</i>	722.56	
			<i>For Kynar® Standard Colors Finish, Add</i>	993.53	
08 91	16 00-0013	EA	12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,129.05	90.42
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	194.82	
			<i>For Clear Lacquer Finish, Add</i>	389.64	
			<i>For Baked Enamel Standard Colors, Add</i>	584.46	
			<i>For Anodized Finish, Add</i>	779.28	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,071.50	
08 91	16 00-0014	EA	12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,276.01	96.08
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	208.39	
			<i>For Clear Lacquer Finish, Add</i>	416.77	
			<i>For Baked Enamel Standard Colors, Add</i>	625.16	
			<i>For Anodized Finish, Add</i>	833.54	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,146.12	
08 91	16 00-0015	EA	12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,457.97	104.56
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	224.89	
			<i>For Clear Lacquer Finish, Add</i>	449.77	
			<i>For Baked Enamel Standard Colors, Add</i>	674.66	
			<i>For Anodized Finish, Add</i>	899.54	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,236.87	
08 91	16 00-0016	EA	12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,591.03	113.03
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	236.50	
			<i>For Clear Lacquer Finish, Add</i>	472.99	
			<i>For Baked Enamel Standard Colors, Add</i>	709.49	
			<i>For Anodized Finish, Add</i>	945.98	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,300.73	
08 91	16 00-0017	EA	18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	619.49	31.09
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	55.73	
			<i>For Clear Lacquer Finish, Add</i>	111.46	
			<i>For Baked Enamel Standard Colors, Add</i>	167.20	
			<i>For Anodized Finish, Add</i>	222.93	
			<i>For Kynar® Standard Colors Finish, Add</i>	306.53	
08 91	16 00-0018	EA	18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	781.88	39.57
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	70.28	
			<i>For Clear Lacquer Finish, Add</i>	140.55	
			<i>For Baked Enamel Standard Colors, Add</i>	210.83	
			<i>For Anodized Finish, Add</i>	281.10	
			<i>For Kynar® Standard Colors Finish, Add</i>	386.52	
08 91	16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	917.85	45.22
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	82.74	
			<i>For Clear Lacquer Finish, Add</i>	165.49	
			<i>For Baked Enamel Standard Colors, Add</i>	248.23	
			<i>For Anodized Finish, Add</i>	330.97	
			<i>For Kynar® Standard Colors Finish, Add</i>	455.09	
08 91	16 00-0020	EA	18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,142.12	56.52
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	102.91	
			<i>For Clear Lacquer Finish, Add</i>	205.82	
			<i>For Baked Enamel Standard Colors, Add</i>	308.73	
			<i>For Anodized Finish, Add</i>	411.64	
			<i>For Kynar® Standard Colors Finish, Add</i>	566.00	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0021	EA			18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,300.10	62.17
				<i>For Flange Frame, Add</i>	117.58	
				<i>For Clear Lacquer Finish, Add</i>	235.15	
				<i>For Baked Enamel Standard Colors, Add</i>	352.73	
				<i>For Anodized Finish, Add</i>	470.30	
				<i>For Kynar® Standard Colors Finish, Add</i>	646.67	
08 91 16 00-0022	EA			18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,458.06	67.83
				<i>For Flange Frame, Add</i>	132.24	
				<i>For Clear Lacquer Finish, Add</i>	264.48	
				<i>For Baked Enamel Standard Colors, Add</i>	396.73	
				<i>For Anodized Finish, Add</i>	528.97	
				<i>For Kynar® Standard Colors Finish, Add</i>	727.33	
08 91 16 00-0023	EA			18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,647.81	73.47
				<i>For Flange Frame, Add</i>	150.09	
				<i>For Clear Lacquer Finish, Add</i>	300.17	
				<i>For Baked Enamel Standard Colors, Add</i>	450.26	
				<i>For Anodized Finish, Add</i>	600.34	
				<i>For Kynar® Standard Colors Finish, Add</i>	825.47	
08 91 16 00-0024	EA			18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,827.31	81.95
				<i>For Flange Frame, Add</i>	166.34	
				<i>For Clear Lacquer Finish, Add</i>	332.68	
				<i>For Baked Enamel Standard Colors, Add</i>	499.02	
				<i>For Anodized Finish, Add</i>	665.36	
				<i>For Kynar® Standard Colors Finish, Add</i>	914.88	
08 91 16 00-0025	EA			18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,970.16	90.42
				<i>For Flange Frame, Add</i>	178.93	
				<i>For Clear Lacquer Finish, Add</i>	357.86	
				<i>For Baked Enamel Standard Colors, Add</i>	536.79	
				<i>For Anodized Finish, Add</i>	715.72	
				<i>For Kynar® Standard Colors Finish, Add</i>	984.12	
08 91 16 00-0026	EA			18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,108.57	96.08
				<i>For Flange Frame, Add</i>	191.64	
				<i>For Clear Lacquer Finish, Add</i>	383.28	
				<i>For Baked Enamel Standard Colors, Add</i>	574.92	
				<i>For Anodized Finish, Add</i>	766.56	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,054.03	
08 91 16 00-0027	EA			18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,238.43	101.73
				<i>For Flange Frame, Add</i>	203.50	
				<i>For Clear Lacquer Finish, Add</i>	406.99	
				<i>For Baked Enamel Standard Colors, Add</i>	610.49	
				<i>For Anodized Finish, Add</i>	813.98	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,119.23	
08 91 16 00-0028	EA			18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,407.40	107.38
				<i>For Flange Frame, Add</i>	219.26	
				<i>For Clear Lacquer Finish, Add</i>	438.53	
				<i>For Baked Enamel Standard Colors, Add</i>	657.79	
				<i>For Anodized Finish, Add</i>	877.05	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,205.95	
08 91 16 00-0029	EA			18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,570.25	113.03
				<i>For Flange Frame, Add</i>	234.42	
				<i>For Clear Lacquer Finish, Add</i>	468.84	
				<i>For Baked Enamel Standard Colors, Add</i>	703.25	
				<i>For Anodized Finish, Add</i>	937.67	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,289.30	
08 91 16 00-0030	EA			18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,768.09	121.51
				<i>For Flange Frame, Add</i>	252.51	
				<i>For Clear Lacquer Finish, Add</i>	505.01	
				<i>For Baked Enamel Standard Colors, Add</i>	757.52	
				<i>For Anodized Finish, Add</i>	1,010.03	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,388.79	
08 91 16 00-0031	EA			18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,917.04	129.99
				<i>For Flange Frame, Add</i>	265.71	
				<i>For Clear Lacquer Finish, Add</i>	531.41	
				<i>For Baked Enamel Standard Colors, Add</i>	797.12	
				<i>For Anodized Finish, Add</i>	1,062.82	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,461.38	
08 91 16 00-0032	EA			24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	691.90	36.74
				<i>For Flange Frame, Add</i>	61.84	
				<i>For Clear Lacquer Finish, Add</i>	123.69	
				<i>For Baked Enamel Standard Colors, Add</i>	185.53	
				<i>For Anodized Finish, Add</i>	247.37	
				<i>For Kynar® Standard Colors Finish, Add</i>	340.14	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0033 EA 24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	878.74	45.22
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	78.83	
For Clear Lacquer Finish, Add	157.66	
For Baked Enamel Standard Colors, Add	236.50	
For Anodized Finish, Add	315.33	
For Kynar® Standard Colors Finish, Add	433.58	
08 91 16 00-0034 EA 24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,090.03	53.70
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	98.27	
For Clear Lacquer Finish, Add	196.53	
For Baked Enamel Standard Colors, Add	294.80	
For Anodized Finish, Add	393.06	
For Kynar® Standard Colors Finish, Add	540.46	
08 91 16 00-0035 EA 24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,284.97	65.00
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	115.50	
For Clear Lacquer Finish, Add	231.00	
For Baked Enamel Standard Colors, Add	346.49	
For Anodized Finish, Add	461.99	
For Kynar® Standard Colors Finish, Add	635.24	
08 91 16 00-0036 EA 24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,458.82	70.65
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	131.75	
For Clear Lacquer Finish, Add	263.51	
For Baked Enamel Standard Colors, Add	395.26	
For Anodized Finish, Add	527.01	
For Kynar® Standard Colors Finish, Add	724.64	
08 91 16 00-0037 EA 24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,642.46	76.29
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	148.99	
For Clear Lacquer Finish, Add	297.97	
For Baked Enamel Standard Colors, Add	446.96	
For Anodized Finish, Add	595.94	
For Kynar® Standard Colors Finish, Add	819.42	
08 91 16 00-0038 EA 24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,868.42	84.77
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	169.89	
For Clear Lacquer Finish, Add	339.77	
For Baked Enamel Standard Colors, Add	509.66	
For Anodized Finish, Add	679.54	
For Kynar® Standard Colors Finish, Add	934.37	
08 91 16 00-0039 EA 24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,057.24	96.08
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	186.51	
For Clear Lacquer Finish, Add	373.02	
For Baked Enamel Standard Colors, Add	559.52	
For Anodized Finish, Add	746.03	
For Kynar® Standard Colors Finish, Add	1,025.79	
08 91 16 00-0040 EA 24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,205.43	101.73
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	200.20	
For Clear Lacquer Finish, Add	400.39	
For Baked Enamel Standard Colors, Add	600.59	
For Anodized Finish, Add	800.78	
For Kynar® Standard Colors Finish, Add	1,101.08	
08 91 16 00-0041 EA 24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,364.92	113.03
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	213.89	
For Clear Lacquer Finish, Add	427.77	
For Baked Enamel Standard Colors, Add	641.66	
For Anodized Finish, Add	855.54	
For Kynar® Standard Colors Finish, Add	1,176.37	
08 91 16 00-0042 EA 24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,515.55	118.69
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	227.82	
For Clear Lacquer Finish, Add	455.64	
For Baked Enamel Standard Colors, Add	683.45	
For Anodized Finish, Add	911.27	
For Kynar® Standard Colors Finish, Add	1,253.00	
08 91 16 00-0043 EA 24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,721.19	124.34
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	247.25	
For Clear Lacquer Finish, Add	494.50	
For Baked Enamel Standard Colors, Add	741.75	
For Anodized Finish, Add	989.00	
For Kynar® Standard Colors Finish, Add	1,359.88	
08 91 16 00-0044 EA 24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,895.04	129.99
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	263.51	
For Clear Lacquer Finish, Add	527.01	
For Baked Enamel Standard Colors, Add	790.52	
For Anodized Finish, Add	1,054.02	
For Kynar® Standard Colors Finish, Add	1,449.28	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0045	EA 24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	Note: Includes bird screen. Excludes actuator.	3,113.67	138.47
	<i>For Flange Frame, Add</i>		283.67	
	<i>For Clear Lacquer Finish, Add</i>		567.35	
	<i>For Baked Enamel Standard Colors, Add</i>		851.02	
	<i>For Anodized Finish, Add</i>		1,134.69	
	<i>For Kynar® Standard Colors Finish, Add</i>		1,560.20	
08 91 16 00-0046	EA 24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	Note: Includes bird screen. Excludes actuator.	3,273.61	146.95
	<i>For Flange Frame, Add</i>		297.97	
	<i>For Clear Lacquer Finish, Add</i>		595.94	
	<i>For Baked Enamel Standard Colors, Add</i>		893.92	
	<i>For Anodized Finish, Add</i>		1,191.89	
	<i>For Kynar® Standard Colors Finish, Add</i>		1,638.85	
08 91 16 00-0047	EA 30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	Note: Includes bird screen. Excludes actuator.	770.42	42.39
	<i>For Flange Frame, Add</i>		68.57	
	<i>For Clear Lacquer Finish, Add</i>		137.13	
	<i>For Baked Enamel Standard Colors, Add</i>		205.70	
	<i>For Anodized Finish, Add</i>		274.26	
	<i>For Kynar® Standard Colors Finish, Add</i>		377.11	
08 91 16 00-0048	EA 30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	Note: Includes bird screen. Excludes actuator.	1,026.01	56.52
	<i>For Flange Frame, Add</i>		91.30	
	<i>For Clear Lacquer Finish, Add</i>		182.60	
	<i>For Baked Enamel Standard Colors, Add</i>		273.89	
	<i>For Anodized Finish, Add</i>		365.19	
	<i>For Kynar® Standard Colors Finish, Add</i>		502.14	
08 91 16 00-0049	EA 30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	Note: Includes bird screen. Excludes actuator.	1,218.97	65.00
	<i>For Flange Frame, Add</i>		108.90	
	<i>For Clear Lacquer Finish, Add</i>		217.80	
	<i>For Baked Enamel Standard Colors, Add</i>		326.69	
	<i>For Anodized Finish, Add</i>		435.59	
	<i>For Kynar® Standard Colors Finish, Add</i>		598.94	
08 91 16 00-0050	EA 30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	Note: Includes bird screen. Excludes actuator.	1,430.26	73.47
	<i>For Flange Frame, Add</i>		128.33	
	<i>For Clear Lacquer Finish, Add</i>		256.66	
	<i>For Baked Enamel Standard Colors, Add</i>		384.99	
	<i>For Anodized Finish, Add</i>		513.32	
	<i>For Kynar® Standard Colors Finish, Add</i>		705.82	
08 91 16 00-0051	EA 30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	Note: Includes bird screen. Excludes actuator.	1,620.00	79.12
	<i>For Flange Frame, Add</i>		146.18	
	<i>For Clear Lacquer Finish, Add</i>		292.35	
	<i>For Baked Enamel Standard Colors, Add</i>		438.53	
	<i>For Anodized Finish, Add</i>		584.70	
	<i>For Kynar® Standard Colors Finish, Add</i>		803.96	
08 91 16 00-0052	EA 30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	Note: Includes bird screen. Excludes actuator.	1,815.40	87.60
	<i>For Flange Frame, Add</i>		164.02	
	<i>For Clear Lacquer Finish, Add</i>		328.04	
	<i>For Baked Enamel Standard Colors, Add</i>		492.06	
	<i>For Anodized Finish, Add</i>		656.08	
	<i>For Kynar® Standard Colors Finish, Add</i>		902.10	
08 91 16 00-0053	EA 30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	Note: Includes bird screen. Excludes actuator.	2,051.59	93.25
	<i>For Flange Frame, Add</i>		186.51	
	<i>For Clear Lacquer Finish, Add</i>		373.02	
	<i>For Baked Enamel Standard Colors, Add</i>		559.52	
	<i>For Anodized Finish, Add</i>		746.03	
	<i>For Kynar® Standard Colors Finish, Add</i>		1,025.79	
08 91 16 00-0054	EA 30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	Note: Includes bird screen. Excludes actuator.	2,251.88	101.73
	<i>For Flange Frame, Add</i>		204.84	
	<i>For Clear Lacquer Finish, Add</i>		409.68	
	<i>For Baked Enamel Standard Colors, Add</i>		614.52	
	<i>For Anodized Finish, Add</i>		819.36	
	<i>For Kynar® Standard Colors Finish, Add</i>		1,126.63	
08 91 16 00-0055	EA 30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	Note: Includes bird screen. Excludes actuator.	2,417.17	107.38
	<i>For Flange Frame, Add</i>		220.24	
	<i>For Clear Lacquer Finish, Add</i>		440.48	
	<i>For Baked Enamel Standard Colors, Add</i>		660.72	
	<i>For Anodized Finish, Add</i>		880.96	
	<i>For Kynar® Standard Colors Finish, Add</i>		1,211.32	
08 91 16 00-0056	EA 30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	Note: Includes bird screen. Excludes actuator.	2,596.22	118.69
	<i>For Flange Frame, Add</i>		235.89	
	<i>For Clear Lacquer Finish, Add</i>		471.77	
	<i>For Baked Enamel Standard Colors, Add</i>		707.66	
	<i>For Anodized Finish, Add</i>		943.54	
	<i>For Kynar® Standard Colors Finish, Add</i>		1,297.37	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0057	EA	30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,768.40	127.16
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	251.41	
		For Clear Lacquer Finish, Add	502.81	
		For Baked Enamel Standard Colors, Add	754.22	
		For Anodized Finish, Add	1,005.63	
		For Kynar® Standard Colors Finish, Add	1,382.74	
08 91 16 00-0058	EA	30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,987.47	132.82
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	272.18	
		For Clear Lacquer Finish, Add	544.37	
		For Baked Enamel Standard Colors, Add	816.55	
		For Anodized Finish, Add	1,088.74	
		For Kynar® Standard Colors Finish, Add	1,497.01	
08 91 16 00-0059	EA	30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,177.22	138.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	290.03	
		For Clear Lacquer Finish, Add	580.06	
		For Baked Enamel Standard Colors, Add	870.08	
		For Anodized Finish, Add	1,160.11	
		For Kynar® Standard Colors Finish, Add	1,595.15	
08 91 16 00-0060	EA	30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,406.83	146.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	311.29	
		For Clear Lacquer Finish, Add	622.59	
		For Baked Enamel Standard Colors, Add	933.88	
		For Anodized Finish, Add	1,245.18	
		For Kynar® Standard Colors Finish, Add	1,712.12	
08 91 16 00-0061	EA	30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,588.79	155.42
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	327.79	
		For Clear Lacquer Finish, Add	655.59	
		For Baked Enamel Standard Colors, Add	983.38	
		For Anodized Finish, Add	1,311.18	
		For Kynar® Standard Colors Finish, Add	1,802.87	
08 91 16 00-0062	EA	36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	842.84	48.04
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	74.68	
		For Clear Lacquer Finish, Add	149.35	
		For Baked Enamel Standard Colors, Add	224.03	
		For Anodized Finish, Add	298.70	
		For Kynar® Standard Colors Finish, Add	410.72	
08 91 16 00-0063	EA	36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,142.43	62.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	101.81	
		For Clear Lacquer Finish, Add	203.62	
		For Baked Enamel Standard Colors, Add	305.43	
		For Anodized Finish, Add	407.24	
		For Kynar® Standard Colors Finish, Add	559.95	
08 91 16 00-0064	EA	36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,336.60	70.65
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	119.53	
		For Clear Lacquer Finish, Add	239.06	
		For Baked Enamel Standard Colors, Add	358.59	
		For Anodized Finish, Add	478.12	
		For Kynar® Standard Colors Finish, Add	657.42	
08 91 16 00-0065	EA	36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,568.67	79.12
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	141.04	
		For Clear Lacquer Finish, Add	282.08	
		For Baked Enamel Standard Colors, Add	423.13	
		For Anodized Finish, Add	564.17	
		For Kynar® Standard Colors Finish, Add	775.73	
08 91 16 00-0066	EA	36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,783.89	85.90
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	161.21	
		For Clear Lacquer Finish, Add	322.42	
		For Baked Enamel Standard Colors, Add	483.62	
		For Anodized Finish, Add	644.83	
		For Kynar® Standard Colors Finish, Add	886.64	
08 91 16 00-0067	EA	36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,985.59	93.25
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	179.91	
		For Clear Lacquer Finish, Add	359.82	
		For Baked Enamel Standard Colors, Add	539.72	
		For Anodized Finish, Add	719.63	
		For Kynar® Standard Colors Finish, Add	989.49	
08 91 16 00-0068	EA	36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,249.89	98.90
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	205.21	
		For Clear Lacquer Finish, Add	410.41	
		For Baked Enamel Standard Colors, Add	615.62	
		For Anodized Finish, Add	820.83	
		For Kynar® Standard Colors Finish, Add	1,128.64	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	16 00-0069	EA		36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,475.84	107.38
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	226.11	
				For Clear Lacquer Finish, Add	452.21	
				For Baked Enamel Standard Colors, Add	678.32	
				For Anodized Finish, Add	904.43	
				For Kynar® Standard Colors Finish, Add	1,243.59	
08 91	16 00-0070	EA		36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,659.01	115.86
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	242.73	
				For Clear Lacquer Finish, Add	485.46	
				For Baked Enamel Standard Colors, Add	728.19	
				For Anodized Finish, Add	970.92	
				For Kynar® Standard Colors Finish, Add	1,335.01	
08 91	16 00-0071	EA		36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,847.08	124.34
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	259.84	
				For Clear Lacquer Finish, Add	519.68	
				For Baked Enamel Standard Colors, Add	779.52	
				For Anodized Finish, Add	1,039.36	
				For Kynar® Standard Colors Finish, Add	1,429.12	
08 91	16 00-0072	EA		36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,041.25	132.82
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	277.56	
				For Clear Lacquer Finish, Add	555.12	
				For Baked Enamel Standard Colors, Add	832.69	
				For Anodized Finish, Add	1,110.25	
				For Kynar® Standard Colors Finish, Add	1,526.59	
08 91	16 00-0073	EA		36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,281.11	138.47
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	300.42	
				For Clear Lacquer Finish, Add	600.83	
				For Baked Enamel Standard Colors, Add	901.25	
				For Anodized Finish, Add	1,201.67	
				For Kynar® Standard Colors Finish, Add	1,652.29	
08 91	16 00-0074	EA		36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,485.52	144.12
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	319.73	
				For Clear Lacquer Finish, Add	639.46	
				For Baked Enamel Standard Colors, Add	959.18	
				For Anodized Finish, Add	1,278.91	
				For Kynar® Standard Colors Finish, Add	1,758.50	
08 91	16 00-0075	EA		36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,745.69	152.60
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	344.05	
				For Clear Lacquer Finish, Add	688.10	
				For Baked Enamel Standard Colors, Add	1,032.15	
				For Anodized Finish, Add	1,376.20	
				For Kynar® Standard Colors Finish, Add	1,892.27	
08 91	16 00-0076	EA		36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,938.64	161.08
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	361.65	
				For Clear Lacquer Finish, Add	723.30	
				For Baked Enamel Standard Colors, Add	1,084.95	
				For Anodized Finish, Add	1,446.60	
				For Kynar® Standard Colors Finish, Add	1,989.07	
08 91	16 00-0077	EA		42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	965.36	53.70
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	85.80	
				For Clear Lacquer Finish, Add	171.60	
				For Baked Enamel Standard Colors, Add	257.39	
				For Anodized Finish, Add	343.19	
				For Kynar® Standard Colors Finish, Add	471.89	
08 91	16 00-0078	EA		42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,231.95	67.83
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	109.63	
				For Clear Lacquer Finish, Add	219.26	
				For Baked Enamel Standard Colors, Add	328.89	
				For Anodized Finish, Add	438.52	
				For Kynar® Standard Colors Finish, Add	602.97	
08 91	16 00-0079	EA		42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,448.13	76.29
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	129.55	
				For Clear Lacquer Finish, Add	259.11	
				For Baked Enamel Standard Colors, Add	388.66	
				For Anodized Finish, Add	518.21	
				For Kynar® Standard Colors Finish, Add	712.54	
08 91	16 00-0080	EA		42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,694.40	87.60
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	151.92	
				For Clear Lacquer Finish, Add	303.84	
				For Baked Enamel Standard Colors, Add	455.76	
				For Anodized Finish, Add	607.68	
				For Kynar® Standard Colors Finish, Add	835.55	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0081	EA		42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,924.48	93.25
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	173.80	
			<i>For Clear Lacquer Finish, Add</i>	347.59	
			<i>For Baked Enamel Standard Colors, Add</i>	521.39	
			<i>For Anodized Finish, Add</i>	695.19	
			<i>For Kynar® Standard Colors Finish, Add</i>	955.88	
08 91 16 00-0082	EA		42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,142.34	98.90
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	194.45	
			<i>For Clear Lacquer Finish, Add</i>	388.90	
			<i>For Baked Enamel Standard Colors, Add</i>	583.36	
			<i>For Anodized Finish, Add</i>	777.81	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,069.49	
08 91 16 00-0083	EA		42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,429.86	104.56
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	222.07	
			<i>For Clear Lacquer Finish, Add</i>	444.15	
			<i>For Baked Enamel Standard Colors, Add</i>	666.22	
			<i>For Anodized Finish, Add</i>	888.30	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,221.41	
08 91 16 00-0084	EA		42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,659.47	113.03
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	243.34	
			<i>For Clear Lacquer Finish, Add</i>	486.68	
			<i>For Baked Enamel Standard Colors, Add</i>	730.02	
			<i>For Anodized Finish, Add</i>	973.36	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,338.37	
08 91 16 00-0085	EA		42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,865.86	121.51
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	262.28	
			<i>For Clear Lacquer Finish, Add</i>	524.57	
			<i>For Baked Enamel Standard Colors, Add</i>	786.85	
			<i>For Anodized Finish, Add</i>	1,049.14	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,442.56	
08 91 16 00-0086	EA		42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	3,058.82	129.99
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	279.88	
			<i>For Clear Lacquer Finish, Add</i>	559.77	
			<i>For Baked Enamel Standard Colors, Add</i>	839.65	
			<i>For Anodized Finish, Add</i>	1,119.54	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,539.36	
08 91 16 00-0087	EA		42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,270.11	138.47
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	299.32	
			<i>For Clear Lacquer Finish, Add</i>	598.63	
			<i>For Baked Enamel Standard Colors, Add</i>	897.95	
			<i>For Anodized Finish, Add</i>	1,197.27	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,646.24	
08 91 16 00-0088	EA		42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,528.29	144.12
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	324.01	
			<i>For Clear Lacquer Finish, Add</i>	648.01	
			<i>For Baked Enamel Standard Colors, Add</i>	972.02	
			<i>For Anodized Finish, Add</i>	1,296.02	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,782.03	
08 91 16 00-0089	EA		42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,752.27	149.77
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	345.27	
			<i>For Clear Lacquer Finish, Add</i>	690.54	
			<i>For Baked Enamel Standard Colors, Add</i>	1,035.82	
			<i>For Anodized Finish, Add</i>	1,381.09	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,899.00	
08 91 16 00-0090	EA		42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	4,044.21	158.25
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	372.77	
			<i>For Clear Lacquer Finish, Add</i>	745.54	
			<i>For Baked Enamel Standard Colors, Add</i>	1,118.31	
			<i>For Anodized Finish, Add</i>	1,491.08	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,050.24	
08 91 16 00-0091	EA		42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	4,245.72	166.73
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	391.23	
			<i>For Clear Lacquer Finish, Add</i>	782.45	
			<i>For Baked Enamel Standard Colors, Add</i>	1,173.68	
			<i>For Anodized Finish, Add</i>	1,564.90	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,151.74	
08 91 16 00-0092	EA		48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	1,043.90	59.35
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	92.52	
			<i>For Clear Lacquer Finish, Add</i>	185.04	
			<i>For Baked Enamel Standard Colors, Add</i>	277.56	
			<i>For Anodized Finish, Add</i>	370.08	
			<i>For Kynar® Standard Colors Finish, Add</i>	508.87	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0093	EA			48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,327.60	73.47
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	118.07	
				For Clear Lacquer Finish, Add	236.13	
				For Baked Enamel Standard Colors, Add	354.20	
				For Anodized Finish, Add	472.26	
				For Kynar® Standard Colors Finish, Add	649.36	
08 91 16 00-0094	EA			48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,572.65	84.77
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	140.31	
				For Clear Lacquer Finish, Add	280.62	
				For Baked Enamel Standard Colors, Add	420.93	
				For Anodized Finish, Add	561.24	
				For Kynar® Standard Colors Finish, Add	771.70	
08 91 16 00-0095	EA			48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,826.70	93.25
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	164.02	
				For Clear Lacquer Finish, Add	328.04	
				For Baked Enamel Standard Colors, Add	492.06	
				For Anodized Finish, Add	656.08	
				For Kynar® Standard Colors Finish, Add	902.10	
08 91 16 00-0096	EA			48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	2,081.23	98.90
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	188.34	
				For Clear Lacquer Finish, Add	376.68	
				For Baked Enamel Standard Colors, Add	565.02	
				For Anodized Finish, Add	753.36	
				For Kynar® Standard Colors Finish, Add	1,035.88	
08 91 16 00-0097	EA			48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,327.19	104.56
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	211.81	
				For Clear Lacquer Finish, Add	423.61	
				For Baked Enamel Standard Colors, Add	635.42	
				For Anodized Finish, Add	847.23	
				For Kynar® Standard Colors Finish, Add	1,164.94	
08 91 16 00-0098	EA			48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,632.58	113.03
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	240.65	
				For Clear Lacquer Finish, Add	481.30	
				For Baked Enamel Standard Colors, Add	721.95	
				For Anodized Finish, Add	962.60	
				For Kynar® Standard Colors Finish, Add	1,323.58	
08 91 16 00-0099	EA			48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,884.19	121.51
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	264.12	
				For Clear Lacquer Finish, Add	528.23	
				For Baked Enamel Standard Colors, Add	792.35	
				For Anodized Finish, Add	1,056.47	
				For Kynar® Standard Colors Finish, Add	1,452.64	
08 91 16 00-0100	EA			48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	3,101.60	129.99
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	284.16	
				For Clear Lacquer Finish, Add	568.32	
				For Baked Enamel Standard Colors, Add	852.49	
				For Anodized Finish, Add	1,136.65	
				For Kynar® Standard Colors Finish, Add	1,562.89	
08 91 16 00-0101	EA			48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	3,322.66	138.47
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	304.57	
				For Clear Lacquer Finish, Add	609.14	
				For Baked Enamel Standard Colors, Add	913.72	
				For Anodized Finish, Add	1,218.29	
				For Kynar® Standard Colors Finish, Add	1,675.15	
08 91 16 00-0102	EA			48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,538.83	146.95
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	324.49	
				For Clear Lacquer Finish, Add	648.99	
				For Baked Enamel Standard Colors, Add	973.48	
				For Anodized Finish, Add	1,297.98	
				For Kynar® Standard Colors Finish, Add	1,784.72	
08 91 16 00-0103	EA			48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,831.25	152.60
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	352.61	
				For Clear Lacquer Finish, Add	705.21	
				For Baked Enamel Standard Colors, Add	1,057.82	
				For Anodized Finish, Add	1,410.42	
				For Kynar® Standard Colors Finish, Add	1,939.33	
08 91 16 00-0104	EA			48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	4,073.54	158.25
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	375.70	
				For Clear Lacquer Finish, Add	751.41	
				For Baked Enamel Standard Colors, Add	1,127.11	
				For Anodized Finish, Add	1,502.82	
				For Kynar® Standard Colors Finish, Add	2,066.37	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0105 EA 48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum .....	4,373.29	163.90
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	404.55	
For Clear Lacquer Finish, Add	809.10	
For Baked Enamel Standard Colors, Add	1,213.64	
For Anodized Finish, Add	1,618.19	
For Kynar® Standard Colors Finish, Add	2,225.01	
08 91 16 00-0106 EA 48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum .....	4,595.57	172.38
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	425.08	
For Clear Lacquer Finish, Add	850.16	
For Baked Enamel Standard Colors, Add	1,275.24	
For Anodized Finish, Add	1,700.32	
For Kynar® Standard Colors Finish, Add	2,337.95	
08 91 16 00-0107 EA 54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum .....	1,212.40	67.83
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	107.68	
For Clear Lacquer Finish, Add	215.35	
For Baked Enamel Standard Colors, Add	323.03	
For Anodized Finish, Add	430.70	
For Kynar® Standard Colors Finish, Add	592.22	
08 91 16 00-0108 EA 54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum .....	1,557.21	81.95
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	139.33	
For Clear Lacquer Finish, Add	278.66	
For Baked Enamel Standard Colors, Add	417.99	
For Anodized Finish, Add	557.32	
For Kynar® Standard Colors Finish, Add	766.32	
08 91 16 00-0109 EA 54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum .....	1,825.02	96.08
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	163.29	
For Clear Lacquer Finish, Add	326.57	
For Baked Enamel Standard Colors, Add	489.86	
For Anodized Finish, Add	653.14	
For Kynar® Standard Colors Finish, Add	898.07	
08 91 16 00-0110 EA 54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum .....	2,101.55	101.73
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	189.81	
For Clear Lacquer Finish, Add	379.62	
For Baked Enamel Standard Colors, Add	569.42	
For Anodized Finish, Add	759.23	
For Kynar® Standard Colors Finish, Add	1,043.94	
08 91 16 00-0111 EA 54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum .....	2,402.51	107.38
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	218.77	
For Clear Lacquer Finish, Add	437.55	
For Baked Enamel Standard Colors, Add	656.32	
For Anodized Finish, Add	875.10	
For Kynar® Standard Colors Finish, Add	1,203.26	
08 91 16 00-0112 EA 54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum .....	2,671.69	113.03
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	244.56	
For Clear Lacquer Finish, Add	489.12	
For Baked Enamel Standard Colors, Add	733.69	
For Anodized Finish, Add	978.25	
For Kynar® Standard Colors Finish, Add	1,345.09	
08 91 16 00-0113 EA 54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum .....	3,027.19	121.51
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	278.42	
For Clear Lacquer Finish, Add	556.83	
For Baked Enamel Standard Colors, Add	835.25	
For Anodized Finish, Add	1,113.67	
For Kynar® Standard Colors Finish, Add	1,531.29	
08 91 16 00-0114 EA 54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum .....	3,372.92	129.99
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	311.29	
For Clear Lacquer Finish, Add	622.59	
For Baked Enamel Standard Colors, Add	933.88	
For Anodized Finish, Add	1,245.18	
For Kynar® Standard Colors Finish, Add	1,712.12	
08 91 16 00-0115 EA 54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum .....	3,630.66	138.47
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	335.37	
For Clear Lacquer Finish, Add	670.74	
For Baked Enamel Standard Colors, Add	1,006.12	
For Anodized Finish, Add	1,341.49	
For Kynar® Standard Colors Finish, Add	1,844.55	
08 91 16 00-0116 EA 54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum .....	3,884.71	146.95
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	359.08	
For Clear Lacquer Finish, Add	718.16	
For Baked Enamel Standard Colors, Add	1,077.25	
For Anodized Finish, Add	1,436.33	
For Kynar® Standard Colors Finish, Add	1,974.95	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0117	EA			54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	4,130.69	152.60
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	382.55	
				For Clear Lacquer Finish, Add	765.10	
				For Baked Enamel Standard Colors, Add	1,147.65	
				For Anodized Finish, Add	1,530.20	
				For Kynar® Standard Colors Finish, Add	2,104.02	
08 91 16 00-0118	EA			54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	4,457.31	158.25
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	414.08	
				For Clear Lacquer Finish, Add	828.16	
				For Baked Enamel Standard Colors, Add	1,242.24	
				For Anodized Finish, Add	1,656.32	
				For Kynar® Standard Colors Finish, Add	2,277.45	
08 91 16 00-0119	EA			54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	4,728.95	163.90
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	440.11	
				For Clear Lacquer Finish, Add	880.23	
				For Baked Enamel Standard Colors, Add	1,320.34	
				For Anodized Finish, Add	1,760.46	
				For Kynar® Standard Colors Finish, Add	2,420.63	
08 91 16 00-0120	EA			54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	5,080.02	169.56
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	474.09	
				For Clear Lacquer Finish, Add	948.18	
				For Baked Enamel Standard Colors, Add	1,422.27	
				For Anodized Finish, Add	1,896.36	
				For Kynar® Standard Colors Finish, Add	2,607.50	
08 91 16 00-0121	EA			54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	5,340.20	178.03
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	498.41	
				For Clear Lacquer Finish, Add	996.83	
				For Baked Enamel Standard Colors, Add	1,495.24	
				For Anodized Finish, Add	1,993.65	
				For Kynar® Standard Colors Finish, Add	2,741.27	
08 91 16 00-0122	EA			60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	1,286.04	73.47
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	113.91	
				For Clear Lacquer Finish, Add	227.82	
				For Baked Enamel Standard Colors, Add	341.73	
				For Anodized Finish, Add	455.64	
				For Kynar® Standard Colors Finish, Add	626.50	
08 91 16 00-0123	EA			60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,658.50	90.42
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	147.76	
				For Clear Lacquer Finish, Add	295.53	
				For Baked Enamel Standard Colors, Add	443.29	
				For Anodized Finish, Add	591.06	
				For Kynar® Standard Colors Finish, Add	812.70	
08 91 16 00-0124	EA			60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,934.11	101.73
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	173.06	
				For Clear Lacquer Finish, Add	346.13	
				For Baked Enamel Standard Colors, Add	519.19	
				For Anodized Finish, Add	692.26	
				For Kynar® Standard Colors Finish, Add	951.85	
08 91 16 00-0125	EA			60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	2,238.73	107.38
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	202.40	
				For Clear Lacquer Finish, Add	404.79	
				For Baked Enamel Standard Colors, Add	607.19	
				For Anodized Finish, Add	809.58	
				For Kynar® Standard Colors Finish, Add	1,113.18	
08 91 16 00-0126	EA			60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	2,556.34	115.86
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	232.46	
				For Clear Lacquer Finish, Add	464.92	
				For Baked Enamel Standard Colors, Add	697.39	
				For Anodized Finish, Add	929.85	
				For Kynar® Standard Colors Finish, Add	1,278.54	
08 91 16 00-0127	EA			60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,841.42	121.51
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	259.84	
				For Clear Lacquer Finish, Add	519.68	
				For Baked Enamel Standard Colors, Add	779.52	
				For Anodized Finish, Add	1,039.36	
				For Kynar® Standard Colors Finish, Add	1,429.12	
08 91 16 00-0128	EA			60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	3,222.59	129.99
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	296.26	
				For Clear Lacquer Finish, Add	592.52	
				For Baked Enamel Standard Colors, Add	888.78	
				For Anodized Finish, Add	1,185.04	
				For Kynar® Standard Colors Finish, Add	1,629.44	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0129	EA		60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	3,578.10	138.47
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	330.12	
			For Clear Lacquer Finish, Add	660.23	
			For Baked Enamel Standard Colors, Add	990.35	
			For Anodized Finish, Add	1,320.46	
			For Kynar® Standard Colors Finish, Add	1,815.64	
08 91 16 00-0130	EA		60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	3,854.16	146.95
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	356.03	
			For Clear Lacquer Finish, Add	712.05	
			For Baked Enamel Standard Colors, Add	1,068.08	
			For Anodized Finish, Add	1,424.11	
			For Kynar® Standard Colors Finish, Add	1,958.15	
08 91 16 00-0131	EA		60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	4,125.34	155.42
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	381.45	
			For Clear Lacquer Finish, Add	762.90	
			For Baked Enamel Standard Colors, Add	1,144.35	
			For Anodized Finish, Add	1,525.80	
			For Kynar® Standard Colors Finish, Add	2,097.97	
08 91 16 00-0132	EA		60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	4,387.19	161.08
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	406.50	
			For Clear Lacquer Finish, Add	813.01	
			For Baked Enamel Standard Colors, Add	1,219.51	
			For Anodized Finish, Add	1,626.02	
			For Kynar® Standard Colors Finish, Add	2,235.77	
08 91 16 00-0133	EA		60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	4,741.94	166.73
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	440.85	
			For Clear Lacquer Finish, Add	881.70	
			For Baked Enamel Standard Colors, Add	1,322.54	
			For Anodized Finish, Add	1,763.39	
			For Kynar® Standard Colors Finish, Add	2,424.66	
08 91 16 00-0134	EA		60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	5,027.01	172.38
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	468.23	
			For Clear Lacquer Finish, Add	936.45	
			For Baked Enamel Standard Colors, Add	1,404.68	
			For Anodized Finish, Add	1,872.90	
			For Kynar® Standard Colors Finish, Add	2,575.24	
08 91 16 00-0135	EA		60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	5,396.42	178.03
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	504.04	
			For Clear Lacquer Finish, Add	1,008.07	
			For Baked Enamel Standard Colors, Add	1,512.11	
			For Anodized Finish, Add	2,016.14	
			For Kynar® Standard Colors Finish, Add	2,772.19	
08 91 16 00-0136	EA		60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	5,666.82	183.69
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	529.95	
			For Clear Lacquer Finish, Add	1,059.89	
			For Baked Enamel Standard Colors, Add	1,589.84	
			For Anodized Finish, Add	2,119.78	
			For Kynar® Standard Colors Finish, Add	2,914.70	

### 08 91 16 00-0137 Adjustable Intake Wall Louvers Operators (08 91 16)

08 91 16 00-0138	EA		5' Chain Actuator For Adjustable Intake Louver.....	320.52	28.26
08 91 16 00-0139	EA		Panel Crank For Adjustable Intake Louver.....	729.04	11.30

### 08 91 19 Fixed Louvers (08 91)

#### 08 91 19 00-0001 Fixed Intake Wall Louvers (08 91 19)

08 91 19 00-0002	EA		12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	419.97	25.43
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	36.91	
			For Clear Lacquer Finish, Add	73.82	
			For Baked Enamel Standard Colors, Add	110.73	
			For Anodized Finish, Add	147.64	
			For Kynar® Standard Colors Finish, Add	203.01	
08 91 19 00-0003	EA		12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	498.50	31.09
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	43.63	
			For Clear Lacquer Finish, Add	87.27	
			For Baked Enamel Standard Colors, Add	130.90	
			For Anodized Finish, Add	174.53	
			For Kynar® Standard Colors Finish, Add	239.98	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0004	EA		12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	578.24	36.74
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	50.48	
				For Clear Lacquer Finish, Add	100.95	
				For Baked Enamel Standard Colors, Add	151.43	
				For Anodized Finish, Add	201.91	
				For Kynar® Standard Colors Finish, Add	277.62	
08 91	19 00-0005	EA		12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	678.76	42.39
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	59.40	
				For Clear Lacquer Finish, Add	118.80	
				For Baked Enamel Standard Colors, Add	178.20	
				For Anodized Finish, Add	237.60	
				For Kynar® Standard Colors Finish, Add	326.69	
08 91	19 00-0006	EA		12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	763.40	48.04
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	66.73	
				For Clear Lacquer Finish, Add	133.46	
				For Baked Enamel Standard Colors, Add	200.20	
				For Anodized Finish, Add	266.93	
				For Kynar® Standard Colors Finish, Add	367.03	
08 91	19 00-0007	EA		12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	901.81	53.70
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	79.44	
				For Clear Lacquer Finish, Add	158.89	
				For Baked Enamel Standard Colors, Add	238.33	
				For Anodized Finish, Add	317.77	
				For Kynar® Standard Colors Finish, Add	436.94	
08 91	19 00-0008	EA		12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	976.67	59.35
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	85.80	
				For Clear Lacquer Finish, Add	171.60	
				For Baked Enamel Standard Colors, Add	257.39	
				For Anodized Finish, Add	343.19	
				For Kynar® Standard Colors Finish, Add	471.89	
08 91	19 00-0009	EA		12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,091.40	67.83
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	95.58	
				For Clear Lacquer Finish, Add	191.15	
				For Baked Enamel Standard Colors, Add	286.73	
				For Anodized Finish, Add	382.30	
				For Kynar® Standard Colors Finish, Add	525.67	
08 91	19 00-0010	EA		12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,160.15	73.47
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	101.32	
				For Clear Lacquer Finish, Add	202.64	
				For Baked Enamel Standard Colors, Add	303.96	
				For Anodized Finish, Add	405.28	
				For Kynar® Standard Colors Finish, Add	557.26	
08 91	19 00-0011	EA		12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,254.56	79.12
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	109.63	
				For Clear Lacquer Finish, Add	219.26	
				For Baked Enamel Standard Colors, Add	328.89	
				For Anodized Finish, Add	438.52	
				For Kynar® Standard Colors Finish, Add	602.97	
08 91	19 00-0012	EA		12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,336.76	84.77
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	116.72	
				For Clear Lacquer Finish, Add	233.44	
				For Baked Enamel Standard Colors, Add	350.16	
				For Anodized Finish, Add	466.88	
				For Kynar® Standard Colors Finish, Add	641.96	
08 91	19 00-0013	EA		12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,434.84	90.42
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	125.40	
				For Clear Lacquer Finish, Add	250.80	
				For Baked Enamel Standard Colors, Add	376.19	
				For Anodized Finish, Add	501.59	
				For Kynar® Standard Colors Finish, Add	689.69	
08 91	19 00-0014	EA		12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,526.80	96.08
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	133.46	
				For Clear Lacquer Finish, Add	266.93	
				For Baked Enamel Standard Colors, Add	400.39	
				For Anodized Finish, Add	533.86	
				For Kynar® Standard Colors Finish, Add	734.05	
08 91	19 00-0015	EA		12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,607.32	104.56
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	139.82	
				For Clear Lacquer Finish, Add	279.64	
				For Baked Enamel Standard Colors, Add	419.46	
				For Anodized Finish, Add	559.28	
				For Kynar® Standard Colors Finish, Add	769.01	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,715.93	113.03
			<i>For Flange Frame, Add</i>	148.99	
			<i>For Clear Lacquer Finish, Add</i>	297.97	
			<i>For Baked Enamel Standard Colors, Add</i>	446.96	
			<i>For Anodized Finish, Add</i>	595.94	
			<i>For Kynar® Standard Colors Finish, Add</i>	819.42	
08 91	19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	487.50	31.09
			<i>For Flange Frame, Add</i>	42.53	
			<i>For Clear Lacquer Finish, Add</i>	85.07	
			<i>For Baked Enamel Standard Colors, Add</i>	127.60	
			<i>For Anodized Finish, Add</i>	170.13	
			<i>For Kynar® Standard Colors Finish, Add</i>	233.93	
08 91	19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	583.89	39.57
			<i>For Flange Frame, Add</i>	50.48	
			<i>For Clear Lacquer Finish, Add</i>	100.95	
			<i>For Baked Enamel Standard Colors, Add</i>	151.43	
			<i>For Anodized Finish, Add</i>	201.91	
			<i>For Kynar® Standard Colors Finish, Add</i>	277.62	
08 91	19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	677.08	45.22
			<i>For Flange Frame, Add</i>	58.67	
			<i>For Clear Lacquer Finish, Add</i>	117.33	
			<i>For Baked Enamel Standard Colors, Add</i>	176.00	
			<i>For Anodized Finish, Add</i>	234.66	
			<i>For Kynar® Standard Colors Finish, Add</i>	322.66	
08 91	19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	848.79	56.52
			<i>For Flange Frame, Add</i>	73.58	
			<i>For Clear Lacquer Finish, Add</i>	147.15	
			<i>For Baked Enamel Standard Colors, Add</i>	220.73	
			<i>For Anodized Finish, Add</i>	294.30	
			<i>For Kynar® Standard Colors Finish, Add</i>	404.67	
08 91	19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	974.99	62.17
			<i>For Flange Frame, Add</i>	85.07	
			<i>For Clear Lacquer Finish, Add</i>	170.13	
			<i>For Baked Enamel Standard Colors, Add</i>	255.20	
			<i>For Anodized Finish, Add</i>	340.26	
			<i>For Kynar® Standard Colors Finish, Add</i>	467.86	
08 91	19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,086.51	67.83
			<i>For Flange Frame, Add</i>	95.09	
			<i>For Clear Lacquer Finish, Add</i>	190.17	
			<i>For Baked Enamel Standard Colors, Add</i>	285.26	
			<i>For Anodized Finish, Add</i>	380.35	
			<i>For Kynar® Standard Colors Finish, Add</i>	522.98	
08 91	19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,165.04	73.47
			<i>For Flange Frame, Add</i>	101.81	
			<i>For Clear Lacquer Finish, Add</i>	203.62	
			<i>For Baked Enamel Standard Colors, Add</i>	305.43	
			<i>For Anodized Finish, Add</i>	407.24	
			<i>For Kynar® Standard Colors Finish, Add</i>	559.95	
08 91	19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,296.88	81.95
			<i>For Flange Frame, Add</i>	113.30	
			<i>For Clear Lacquer Finish, Add</i>	226.60	
			<i>For Baked Enamel Standard Colors, Add</i>	339.89	
			<i>For Anodized Finish, Add</i>	453.19	
			<i>For Kynar® Standard Colors Finish, Add</i>	623.14	
08 91	19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,388.39	90.42
			<i>For Flange Frame, Add</i>	120.75	
			<i>For Clear Lacquer Finish, Add</i>	241.51	
			<i>For Baked Enamel Standard Colors, Add</i>	362.26	
			<i>For Anodized Finish, Add</i>	483.01	
			<i>For Kynar® Standard Colors Finish, Add</i>	664.14	
08 91	19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,509.69	96.08
			<i>For Flange Frame, Add</i>	131.75	
			<i>For Clear Lacquer Finish, Add</i>	263.51	
			<i>For Baked Enamel Standard Colors, Add</i>	395.26	
			<i>For Anodized Finish, Add</i>	527.01	
			<i>For Kynar® Standard Colors Finish, Add</i>	724.64	
08 91	19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,601.67	101.73
			<i>For Flange Frame, Add</i>	139.82	
			<i>For Clear Lacquer Finish, Add</i>	279.64	
			<i>For Baked Enamel Standard Colors, Add</i>	419.46	
			<i>For Anodized Finish, Add</i>	559.28	
			<i>For Kynar® Standard Colors Finish, Add</i>	769.01	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0028	EA		18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,704.63	107.38
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	148.99	
				For Clear Lacquer Finish, Add	297.97	
				For Baked Enamel Standard Colors, Add	446.96	
				For Anodized Finish, Add	595.94	
				For Kynar® Standard Colors Finish, Add	819.42	
08 91	19 00-0029	EA		18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,812.49	113.03
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	158.64	
				For Clear Lacquer Finish, Add	317.28	
				For Baked Enamel Standard Colors, Add	475.93	
				For Anodized Finish, Add	634.57	
				For Kynar® Standard Colors Finish, Add	872.53	
08 91	19 00-0030	EA		18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,906.43	121.51
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	166.34	
				For Clear Lacquer Finish, Add	332.68	
				For Baked Enamel Standard Colors, Add	499.02	
				For Anodized Finish, Add	665.36	
				For Kynar® Standard Colors Finish, Add	914.88	
08 91	19 00-0031	EA		18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,038.28	129.99
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	177.83	
				For Clear Lacquer Finish, Add	355.66	
				For Baked Enamel Standard Colors, Add	533.49	
				For Anodized Finish, Add	711.32	
				For Kynar® Standard Colors Finish, Add	978.07	
08 91	19 00-0032	EA		24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	563.57	36.74
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	49.01	
				For Clear Lacquer Finish, Add	98.02	
				For Baked Enamel Standard Colors, Add	147.03	
				For Anodized Finish, Add	196.04	
				For Kynar® Standard Colors Finish, Add	269.56	
08 91	19 00-0033	EA		24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	670.96	45.22
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	58.05	
				For Clear Lacquer Finish, Add	116.11	
				For Baked Enamel Standard Colors, Add	174.16	
				For Anodized Finish, Add	232.22	
				For Kynar® Standard Colors Finish, Add	319.30	
08 91	19 00-0034	EA		24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	832.14	53.70
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	72.48	
				For Clear Lacquer Finish, Add	144.95	
				For Baked Enamel Standard Colors, Add	217.43	
				For Anodized Finish, Add	289.90	
				For Kynar® Standard Colors Finish, Add	398.62	
08 91	19 00-0035	EA		24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	980.64	65.00
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	85.07	
				For Clear Lacquer Finish, Add	170.13	
				For Baked Enamel Standard Colors, Add	255.20	
				For Anodized Finish, Add	340.26	
				For Kynar® Standard Colors Finish, Add	467.86	
08 91	19 00-0036	EA		24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,123.94	70.65
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	98.27	
				For Clear Lacquer Finish, Add	196.53	
				For Baked Enamel Standard Colors, Add	294.80	
				For Anodized Finish, Add	393.06	
				For Kynar® Standard Colors Finish, Add	540.46	
08 91	19 00-0037	EA		24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,256.25	76.29
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	110.37	
				For Clear Lacquer Finish, Add	220.73	
				For Baked Enamel Standard Colors, Add	331.10	
				For Anodized Finish, Add	441.46	
				For Kynar® Standard Colors Finish, Add	607.01	
08 91	19 00-0038	EA		24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,364.87	84.77
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	119.53	
				For Clear Lacquer Finish, Add	239.06	
				For Baked Enamel Standard Colors, Add	358.59	
				For Anodized Finish, Add	478.12	
				For Kynar® Standard Colors Finish, Add	657.42	
08 91	19 00-0039	EA		24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,509.69	96.08
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	131.75	
				For Clear Lacquer Finish, Add	263.51	
				For Baked Enamel Standard Colors, Add	395.26	
				For Anodized Finish, Add	527.01	
				For Kynar® Standard Colors Finish, Add	724.64	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0040	EA	24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,606.56	101.73
			<i>For Flange Frame, Add</i>	140.31	
			<i>For Clear Lacquer Finish, Add</i>	280.62	
			<i>For Baked Enamel Standard Colors, Add</i>	420.93	
			<i>For Anodized Finish, Add</i>	561.24	
			<i>For Kynar® Standard Colors Finish, Add</i>	771.70	
08 91	19 00-0041	EA	24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,764.82	113.03
			<i>For Flange Frame, Add</i>	153.88	
			<i>For Clear Lacquer Finish, Add</i>	307.75	
			<i>For Baked Enamel Standard Colors, Add</i>	461.63	
			<i>For Anodized Finish, Add</i>	615.50	
			<i>For Kynar® Standard Colors Finish, Add</i>	846.31	
08 91	19 00-0042	EA	24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,865.34	118.69
			<i>For Flange Frame, Add</i>	162.80	
			<i>For Clear Lacquer Finish, Add</i>	325.59	
			<i>For Baked Enamel Standard Colors, Add</i>	488.39	
			<i>For Anodized Finish, Add</i>	651.19	
			<i>For Kynar® Standard Colors Finish, Add</i>	895.38	
08 91	19 00-0043	EA	24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,996.43	124.34
			<i>For Flange Frame, Add</i>	174.78	
			<i>For Clear Lacquer Finish, Add</i>	349.55	
			<i>For Baked Enamel Standard Colors, Add</i>	524.33	
			<i>For Anodized Finish, Add</i>	699.10	
			<i>For Kynar® Standard Colors Finish, Add</i>	961.26	
08 91	19 00-0044	EA	24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,125.06	129.99
			<i>For Flange Frame, Add</i>	186.51	
			<i>For Clear Lacquer Finish, Add</i>	373.02	
			<i>For Baked Enamel Standard Colors, Add</i>	559.52	
			<i>For Anodized Finish, Add</i>	746.03	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,025.79	
08 91	19 00-0045	EA	24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,221.46	138.47
			<i>For Flange Frame, Add</i>	194.45	
			<i>For Clear Lacquer Finish, Add</i>	388.90	
			<i>For Baked Enamel Standard Colors, Add</i>	583.36	
			<i>For Anodized Finish, Add</i>	777.81	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,069.49	
08 91	19 00-0046	EA	24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,382.63	146.95
			<i>For Flange Frame, Add</i>	208.87	
			<i>For Clear Lacquer Finish, Add</i>	417.75	
			<i>For Baked Enamel Standard Colors, Add</i>	626.62	
			<i>For Anodized Finish, Add</i>	835.50	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,148.81	
08 91	19 00-0047	EA	30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	631.09	42.39
			<i>For Flange Frame, Add</i>	54.63	
			<i>For Clear Lacquer Finish, Add</i>	109.26	
			<i>For Baked Enamel Standard Colors, Add</i>	163.90	
			<i>For Anodized Finish, Add</i>	218.53	
			<i>For Kynar® Standard Colors Finish, Add</i>	300.48	
08 91	19 00-0048	EA	30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	815.79	56.52
			<i>For Flange Frame, Add</i>	70.28	
			<i>For Clear Lacquer Finish, Add</i>	140.55	
			<i>For Baked Enamel Standard Colors, Add</i>	210.83	
			<i>For Anodized Finish, Add</i>	281.10	
			<i>For Kynar® Standard Colors Finish, Add</i>	386.52	
08 91	19 00-0049	EA	30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	952.53	65.00
			<i>For Flange Frame, Add</i>	82.25	
			<i>For Clear Lacquer Finish, Add</i>	164.51	
			<i>For Baked Enamel Standard Colors, Add</i>	246.76	
			<i>For Anodized Finish, Add</i>	329.02	
			<i>For Kynar® Standard Colors Finish, Add</i>	452.40	
08 91	19 00-0050	EA	30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,112.49	73.47
			<i>For Flange Frame, Add</i>	96.55	
			<i>For Clear Lacquer Finish, Add</i>	193.11	
			<i>For Baked Enamel Standard Colors, Add</i>	289.66	
			<i>For Anodized Finish, Add</i>	386.22	
			<i>For Kynar® Standard Colors Finish, Add</i>	531.05	
08 91	19 00-0051	EA	30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,285.12	79.12
			<i>For Flange Frame, Add</i>	112.69	
			<i>For Clear Lacquer Finish, Add</i>	225.37	
			<i>For Baked Enamel Standard Colors, Add</i>	338.06	
			<i>For Anodized Finish, Add</i>	450.75	
			<i>For Kynar® Standard Colors Finish, Add</i>	619.78	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0052	EA		30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,429.19	87.60
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	125.40	
				For Clear Lacquer Finish, Add	250.80	
				For Baked Enamel Standard Colors, Add	376.19	
				For Anodized Finish, Add	501.59	
				For Kynar® Standard Colors Finish, Add	689.69	
08 91	19 00-0053	EA		30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,537.04	93.25
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	135.05	
				For Clear Lacquer Finish, Add	270.11	
				For Baked Enamel Standard Colors, Add	405.16	
				For Anodized Finish, Add	540.21	
				For Kynar® Standard Colors Finish, Add	742.79	
08 91	19 00-0054	EA		30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,688.44	101.73
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	148.50	
				For Clear Lacquer Finish, Add	296.99	
				For Baked Enamel Standard Colors, Add	445.49	
				For Anodized Finish, Add	593.99	
				For Kynar® Standard Colors Finish, Add	816.73	
08 91	19 00-0055	EA		30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,809.74	107.38
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	159.50	
				For Clear Lacquer Finish, Add	318.99	
				For Baked Enamel Standard Colors, Add	478.49	
				For Anodized Finish, Add	637.99	
				For Kynar® Standard Colors Finish, Add	877.23	
08 91	19 00-0056	EA		30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,993.67	118.69
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	175.63	
				For Clear Lacquer Finish, Add	351.26	
				For Baked Enamel Standard Colors, Add	526.89	
				For Anodized Finish, Add	702.52	
				For Kynar® Standard Colors Finish, Add	965.97	
08 91	19 00-0057	EA		30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,110.85	127.16
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	185.65	
				For Clear Lacquer Finish, Add	371.30	
				For Baked Enamel Standard Colors, Add	556.96	
				For Anodized Finish, Add	742.61	
				For Kynar® Standard Colors Finish, Add	1,021.09	
08 91	19 00-0058	EA		30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,250.48	132.82
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	198.49	
				For Clear Lacquer Finish, Add	396.97	
				For Baked Enamel Standard Colors, Add	595.46	
				For Anodized Finish, Add	793.94	
				For Kynar® Standard Colors Finish, Add	1,091.67	
08 91	19 00-0059	EA		30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,388.90	138.47
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	211.20	
				For Clear Lacquer Finish, Add	422.39	
				For Baked Enamel Standard Colors, Add	633.59	
				For Anodized Finish, Add	844.78	
				For Kynar® Standard Colors Finish, Add	1,161.58	
08 91	19 00-0060	EA		30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,503.63	146.95
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	220.97	
				For Clear Lacquer Finish, Add	441.95	
				For Baked Enamel Standard Colors, Add	662.92	
				For Anodized Finish, Add	883.90	
				For Kynar® Standard Colors Finish, Add	1,215.36	
08 91	19 00-0061	EA		30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,686.81	155.42
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	237.60	
				For Clear Lacquer Finish, Add	475.19	
				For Baked Enamel Standard Colors, Add	712.79	
				For Anodized Finish, Add	950.38	
				For Kynar® Standard Colors Finish, Add	1,306.78	
08 91	19 00-0062	EA		36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	699.85	48.04
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	60.38	
				For Clear Lacquer Finish, Add	120.75	
				For Baked Enamel Standard Colors, Add	181.13	
				For Anodized Finish, Add	241.51	
				For Kynar® Standard Colors Finish, Add	332.07	
08 91	19 00-0063	EA		36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	918.77	62.17
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	79.44	
				For Clear Lacquer Finish, Add	158.89	
				For Baked Enamel Standard Colors, Add	238.33	
				For Anodized Finish, Add	317.77	
				For Kynar® Standard Colors Finish, Add	436.94	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,062.83	70.65
			<i>For Flange Frame, Add</i>	92.15	
			<i>For Clear Lacquer Finish, Add</i>	184.31	
			<i>For Baked Enamel Standard Colors, Add</i>	276.46	
			<i>For Anodized Finish, Add</i>	368.62	
			<i>For Kynar® Standard Colors Finish, Add</i>	506.85	
08 91	19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,235.01	79.12
			<i>For Flange Frame, Add</i>	107.68	
			<i>For Clear Lacquer Finish, Add</i>	215.35	
			<i>For Baked Enamel Standard Colors, Add</i>	323.03	
			<i>For Anodized Finish, Add</i>	430.70	
			<i>For Kynar® Standard Colors Finish, Add</i>	592.22	
08 91	19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,429.45	85.90
			<i>For Flange Frame, Add</i>	125.76	
			<i>For Clear Lacquer Finish, Add</i>	251.53	
			<i>For Baked Enamel Standard Colors, Add</i>	377.29	
			<i>For Anodized Finish, Add</i>	503.06	
			<i>For Kynar® Standard Colors Finish, Add</i>	691.70	
08 91	19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,579.82	93.25
			<i>For Flange Frame, Add</i>	139.33	
			<i>For Clear Lacquer Finish, Add</i>	278.66	
			<i>For Baked Enamel Standard Colors, Add</i>	417.99	
			<i>For Anodized Finish, Add</i>	557.32	
			<i>For Kynar® Standard Colors Finish, Add</i>	766.32	
08 91	19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,709.68	98.90
			<i>For Flange Frame, Add</i>	151.19	
			<i>For Clear Lacquer Finish, Add</i>	302.37	
			<i>For Baked Enamel Standard Colors, Add</i>	453.56	
			<i>For Anodized Finish, Add</i>	604.74	
			<i>For Kynar® Standard Colors Finish, Add</i>	831.52	
08 91	19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,883.07	107.38
			<i>For Flange Frame, Add</i>	166.83	
			<i>For Clear Lacquer Finish, Add</i>	333.66	
			<i>For Baked Enamel Standard Colors, Add</i>	500.49	
			<i>For Anodized Finish, Add</i>	667.32	
			<i>For Kynar® Standard Colors Finish, Add</i>	917.57	
08 91	19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,013.69	115.86
			<i>For Flange Frame, Add</i>	178.20	
			<i>For Clear Lacquer Finish, Add</i>	356.39	
			<i>For Baked Enamel Standard Colors, Add</i>	534.59	
			<i>For Anodized Finish, Add</i>	712.79	
			<i>For Kynar® Standard Colors Finish, Add</i>	980.08	
08 91	19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,222.53	124.34
			<i>For Flange Frame, Add</i>	197.39	
			<i>For Clear Lacquer Finish, Add</i>	394.77	
			<i>For Baked Enamel Standard Colors, Add</i>	592.16	
			<i>For Anodized Finish, Add</i>	789.54	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,085.62	
08 91	19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,359.26	132.82
			<i>For Flange Frame, Add</i>	209.36	
			<i>For Clear Lacquer Finish, Add</i>	418.73	
			<i>For Baked Enamel Standard Colors, Add</i>	628.09	
			<i>For Anodized Finish, Add</i>	837.45	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,151.50	
08 91	19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,508.68	138.47
			<i>For Flange Frame, Add</i>	223.17	
			<i>For Clear Lacquer Finish, Add</i>	446.35	
			<i>For Baked Enamel Standard Colors, Add</i>	669.52	
			<i>For Anodized Finish, Add</i>	892.70	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,227.46	
08 91	19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,664.20	144.12
			<i>For Flange Frame, Add</i>	237.60	
			<i>For Clear Lacquer Finish, Add</i>	475.19	
			<i>For Baked Enamel Standard Colors, Add</i>	712.79	
			<i>For Anodized Finish, Add</i>	950.38	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,306.78	
08 91	19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,796.04	152.60
			<i>For Flange Frame, Add</i>	249.08	
			<i>For Clear Lacquer Finish, Add</i>	498.17	
			<i>For Baked Enamel Standard Colors, Add</i>	747.25	
			<i>For Anodized Finish, Add</i>	996.34	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,369.96	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0076	EA		36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,003.66	161.08
				<i>For Flange Frame, Add</i>	268.15	
				<i>For Clear Lacquer Finish, Add</i>	536.30	
				<i>For Baked Enamel Standard Colors, Add</i>	804.45	
				<i>For Anodized Finish, Add</i>	1,072.60	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,474.83	
08 91	19 00-0077	EA		42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	815.03	53.70
				<i>For Flange Frame, Add</i>	70.77	
				<i>For Clear Lacquer Finish, Add</i>	141.53	
				<i>For Baked Enamel Standard Colors, Add</i>	212.30	
				<i>For Anodized Finish, Add</i>	283.06	
				<i>For Kynar® Standard Colors Finish, Add</i>	389.21	
08 91	19 00-0078	EA		42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	998.51	67.83
				<i>For Flange Frame, Add</i>	86.29	
				<i>For Clear Lacquer Finish, Add</i>	172.57	
				<i>For Baked Enamel Standard Colors, Add</i>	258.86	
				<i>For Anodized Finish, Add</i>	345.15	
				<i>For Kynar® Standard Colors Finish, Add</i>	474.58	
08 91	19 00-0079	EA		42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,158.47	76.29
				<i>For Flange Frame, Add</i>	100.59	
				<i>For Clear Lacquer Finish, Add</i>	201.17	
				<i>For Baked Enamel Standard Colors, Add</i>	301.76	
				<i>For Anodized Finish, Add</i>	402.35	
				<i>For Kynar® Standard Colors Finish, Add</i>	553.23	
08 91	19 00-0080	EA		42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,355.86	87.60
				<i>For Flange Frame, Add</i>	118.07	
				<i>For Clear Lacquer Finish, Add</i>	236.13	
				<i>For Baked Enamel Standard Colors, Add</i>	354.20	
				<i>For Anodized Finish, Add</i>	472.26	
				<i>For Kynar® Standard Colors Finish, Add</i>	649.36	
08 91	19 00-0081	EA		42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,567.60	93.25
				<i>For Flange Frame, Add</i>	138.11	
				<i>For Clear Lacquer Finish, Add</i>	276.22	
				<i>For Baked Enamel Standard Colors, Add</i>	414.33	
				<i>For Anodized Finish, Add</i>	552.44	
				<i>For Kynar® Standard Colors Finish, Add</i>	759.60	
08 91	19 00-0082	EA		42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,736.57	98.90
				<i>For Flange Frame, Add</i>	153.88	
				<i>For Clear Lacquer Finish, Add</i>	307.75	
				<i>For Baked Enamel Standard Colors, Add</i>	461.63	
				<i>For Anodized Finish, Add</i>	615.50	
				<i>For Kynar® Standard Colors Finish, Add</i>	846.31	
08 91	19 00-0083	EA		42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,882.31	104.56
				<i>For Flange Frame, Add</i>	167.32	
				<i>For Clear Lacquer Finish, Add</i>	334.64	
				<i>For Baked Enamel Standard Colors, Add</i>	501.96	
				<i>For Anodized Finish, Add</i>	669.28	
				<i>For Kynar® Standard Colors Finish, Add</i>	920.25	
08 91	19 00-0084	EA		42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,055.70	113.03
				<i>For Flange Frame, Add</i>	182.96	
				<i>For Clear Lacquer Finish, Add</i>	365.93	
				<i>For Baked Enamel Standard Colors, Add</i>	548.89	
				<i>For Anodized Finish, Add</i>	731.85	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,006.30	
08 91	19 00-0085	EA		42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,203.43	121.51
				<i>For Flange Frame, Add</i>	196.04	
				<i>For Clear Lacquer Finish, Add</i>	392.08	
				<i>For Baked Enamel Standard Colors, Add</i>	588.12	
				<i>For Anodized Finish, Add</i>	784.16	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,078.23	
08 91	19 00-0086	EA		42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,435.50	129.99
				<i>For Flange Frame, Add</i>	217.55	
				<i>For Clear Lacquer Finish, Add</i>	435.10	
				<i>For Baked Enamel Standard Colors, Add</i>	652.66	
				<i>For Anodized Finish, Add</i>	870.21	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,196.54	
08 91	19 00-0087	EA		42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,583.23	138.47
				<i>For Flange Frame, Add</i>	230.63	
				<i>For Clear Lacquer Finish, Add</i>	461.26	
				<i>For Baked Enamel Standard Colors, Add</i>	691.89	
				<i>For Anodized Finish, Add</i>	922.52	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,268.46	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,752.20	144.12
			Note: Includes bird screen.		
			For Flange Frame, Add	246.40	
			For Clear Lacquer Finish, Add	492.79	
			For Baked Enamel Standard Colors, Add	739.19	
			For Anodized Finish, Add	985.58	
			For Kynar® Standard Colors Finish, Add	1,355.18	
08 91	19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,922.39	149.77
			Note: Includes bird screen.		
			For Flange Frame, Add	262.28	
			For Clear Lacquer Finish, Add	524.57	
			For Baked Enamel Standard Colors, Add	786.85	
			For Anodized Finish, Add	1,049.14	
			For Kynar® Standard Colors Finish, Add	1,442.56	
08 91	19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,078.67	158.25
			Note: Includes bird screen.		
			For Flange Frame, Add	276.22	
			For Clear Lacquer Finish, Add	552.43	
			For Baked Enamel Standard Colors, Add	828.65	
			For Anodized Finish, Add	1,104.87	
			For Kynar® Standard Colors Finish, Add	1,519.19	
08 91	19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,302.18	166.73
			Note: Includes bird screen.		
			For Flange Frame, Add	296.87	
			For Clear Lacquer Finish, Add	593.74	
			For Baked Enamel Standard Colors, Add	890.62	
			For Anodized Finish, Add	1,187.49	
			For Kynar® Standard Colors Finish, Add	1,632.80	
08 91	19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	891.12	59.35
			Note: Includes bird screen.		
			For Flange Frame, Add	77.24	
			For Clear Lacquer Finish, Add	154.49	
			For Baked Enamel Standard Colors, Add	231.73	
			For Anodized Finish, Add	308.97	
			For Kynar® Standard Colors Finish, Add	424.84	
08 91	19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,091.71	73.47
			Note: Includes bird screen.		
			For Flange Frame, Add	94.48	
			For Clear Lacquer Finish, Add	188.95	
			For Baked Enamel Standard Colors, Add	283.43	
			For Anodized Finish, Add	377.90	
			For Kynar® Standard Colors Finish, Add	519.62	
08 91	19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,279.32	84.77
			Note: Includes bird screen.		
			For Flange Frame, Add	110.98	
			For Clear Lacquer Finish, Add	221.95	
			For Baked Enamel Standard Colors, Add	332.93	
			For Anodized Finish, Add	443.90	
			For Kynar® Standard Colors Finish, Add	610.37	
08 91	19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,474.71	93.25
			Note: Includes bird screen.		
			For Flange Frame, Add	128.82	
			For Clear Lacquer Finish, Add	257.64	
			For Baked Enamel Standard Colors, Add	386.46	
			For Anodized Finish, Add	515.28	
			For Kynar® Standard Colors Finish, Add	708.51	
08 91	19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,717.01	98.90
			Note: Includes bird screen.		
			For Flange Frame, Add	151.92	
			For Clear Lacquer Finish, Add	303.84	
			For Baked Enamel Standard Colors, Add	455.76	
			For Anodized Finish, Add	607.68	
			For Kynar® Standard Colors Finish, Add	835.55	
08 91	19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,912.87	104.56
			Note: Includes bird screen.		
			For Flange Frame, Add	170.38	
			For Clear Lacquer Finish, Add	340.75	
			For Baked Enamel Standard Colors, Add	511.13	
			For Anodized Finish, Add	681.50	
			For Kynar® Standard Colors Finish, Add	937.06	
08 91	19 00-0098	EA	48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,072.81	113.03
			Note: Includes bird screen.		
			For Flange Frame, Add	184.67	
			For Clear Lacquer Finish, Add	369.35	
			For Baked Enamel Standard Colors, Add	554.02	
			For Anodized Finish, Add	738.70	
			For Kynar® Standard Colors Finish, Add	1,015.71	
08 91	19 00-0099	EA	48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,326.87	121.51
			Note: Includes bird screen.		
			For Flange Frame, Add	208.39	
			For Clear Lacquer Finish, Add	416.77	
			For Baked Enamel Standard Colors, Add	625.16	
			For Anodized Finish, Add	833.54	
			For Kynar® Standard Colors Finish, Add	1,146.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0100 EA 48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,435.50	129.99
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	217.55	
<i>For Clear Lacquer Finish, Add</i>	435.10	
<i>For Baked Enamel Standard Colors, Add</i>	652.66	
<i>For Anodized Finish, Add</i>	870.21	
<i>For Kynar® Standard Colors Finish, Add</i>	1,196.54	
08 91 19 00-0101 EA 48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,683.45	138.47
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	240.65	
<i>For Clear Lacquer Finish, Add</i>	481.30	
<i>For Baked Enamel Standard Colors, Add</i>	721.95	
<i>For Anodized Finish, Add</i>	962.60	
<i>For Kynar® Standard Colors Finish, Add</i>	1,323.58	
08 91 19 00-0102 EA 48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,854.40	146.95
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	256.05	
<i>For Clear Lacquer Finish, Add</i>	512.10	
<i>For Baked Enamel Standard Colors, Add</i>	768.15	
<i>For Anodized Finish, Add</i>	1,024.20	
<i>For Kynar® Standard Colors Finish, Add</i>	1,408.28	
08 91 19 00-0103 EA 48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,042.93	152.60
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	273.77	
<i>For Clear Lacquer Finish, Add</i>	547.55	
<i>For Baked Enamel Standard Colors, Add</i>	821.32	
<i>For Anodized Finish, Add</i>	1,095.09	
<i>For Kynar® Standard Colors Finish, Add</i>	1,505.75	
08 91 19 00-0104 EA 48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,231.45	158.25
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	291.50	
<i>For Clear Lacquer Finish, Add</i>	582.99	
<i>For Baked Enamel Standard Colors, Add</i>	874.49	
<i>For Anodized Finish, Add</i>	1,165.98	
<i>For Kynar® Standard Colors Finish, Add</i>	1,603.22	
08 91 19 00-0105 EA 48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,388.20	163.90
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	306.04	
<i>For Clear Lacquer Finish, Add</i>	612.08	
<i>For Baked Enamel Standard Colors, Add</i>	918.12	
<i>For Anodized Finish, Add</i>	1,224.16	
<i>For Kynar® Standard Colors Finish, Add</i>	1,683.21	
08 91 19 00-0106 EA 48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,645.92	172.38
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	330.12	
<i>For Clear Lacquer Finish, Add</i>	660.23	
<i>For Baked Enamel Standard Colors, Add</i>	990.35	
<i>For Anodized Finish, Add</i>	1,320.46	
<i>For Kynar® Standard Colors Finish, Add</i>	1,815.64	
08 91 19 00-0107 EA 54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	986.29	67.83
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	85.07	
<i>For Clear Lacquer Finish, Add</i>	170.13	
<i>For Baked Enamel Standard Colors, Add</i>	255.20	
<i>For Anodized Finish, Add</i>	340.26	
<i>For Kynar® Standard Colors Finish, Add</i>	467.86	
08 91 19 00-0108 EA 54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,211.33	81.95
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	104.74	
<i>For Clear Lacquer Finish, Add</i>	209.49	
<i>For Baked Enamel Standard Colors, Add</i>	314.23	
<i>For Anodized Finish, Add</i>	418.97	
<i>For Kynar® Standard Colors Finish, Add</i>	576.09	
08 91 19 00-0109 EA 54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,418.03	96.08
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	122.59	
<i>For Clear Lacquer Finish, Add</i>	245.17	
<i>For Baked Enamel Standard Colors, Add</i>	367.76	
<i>For Anodized Finish, Add</i>	490.35	
<i>For Kynar® Standard Colors Finish, Add</i>	674.23	
08 91 19 00-0110 EA 54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,628.56	101.73
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	142.51	
<i>For Clear Lacquer Finish, Add</i>	285.02	
<i>For Baked Enamel Standard Colors, Add</i>	427.53	
<i>For Anodized Finish, Add</i>	570.04	
<i>For Kynar® Standard Colors Finish, Add</i>	783.80	
08 91 19 00-0111 EA 54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,918.52	107.38
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	170.38	
<i>For Clear Lacquer Finish, Add</i>	340.75	
<i>For Baked Enamel Standard Colors, Add</i>	511.13	
<i>For Anodized Finish, Add</i>	681.50	
<i>For Kynar® Standard Colors Finish, Add</i>	937.06	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0112	EA	54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,119.26	113.03
			<i>For Flange Frame, Add</i>	189.32	
			<i>For Clear Lacquer Finish, Add</i>	378.64	
			<i>For Baked Enamel Standard Colors, Add</i>	567.96	
			<i>For Anodized Finish, Add</i>	757.28	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,041.25	
08 91	19 00-0113	EA	54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,307.32	121.51
			<i>For Flange Frame, Add</i>	206.43	
			<i>For Clear Lacquer Finish, Add</i>	412.86	
			<i>For Baked Enamel Standard Colors, Add</i>	619.29	
			<i>For Anodized Finish, Add</i>	825.72	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,135.37	
08 91	19 00-0114	EA	54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,584.60	129.99
			<i>For Flange Frame, Add</i>	232.46	
			<i>For Clear Lacquer Finish, Add</i>	464.92	
			<i>For Baked Enamel Standard Colors, Add</i>	697.39	
			<i>For Anodized Finish, Add</i>	929.85	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,278.54	
08 91	19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,778.78	138.47
			<i>For Flange Frame, Add</i>	250.18	
			<i>For Clear Lacquer Finish, Add</i>	500.37	
			<i>For Baked Enamel Standard Colors, Add</i>	750.55	
			<i>For Anodized Finish, Add</i>	1,000.74	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,376.01	
08 91	19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,069.51	146.95
			<i>For Flange Frame, Add</i>	277.56	
			<i>For Clear Lacquer Finish, Add</i>	555.12	
			<i>For Baked Enamel Standard Colors, Add</i>	832.69	
			<i>For Anodized Finish, Add</i>	1,110.25	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,526.59	
08 91	19 00-0117	EA	54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,256.81	152.60
			<i>For Flange Frame, Add</i>	295.16	
			<i>For Clear Lacquer Finish, Add</i>	590.32	
			<i>For Baked Enamel Standard Colors, Add</i>	885.48	
			<i>For Anodized Finish, Add</i>	1,180.64	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,623.39	
08 91	19 00-0118	EA	54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,471.00	158.25
			<i>For Flange Frame, Add</i>	315.45	
			<i>For Clear Lacquer Finish, Add</i>	630.90	
			<i>For Baked Enamel Standard Colors, Add</i>	946.35	
			<i>For Anodized Finish, Add</i>	1,261.80	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,734.98	
08 91	19 00-0119	EA	54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,676.64	163.90
			<i>For Flange Frame, Add</i>	334.88	
			<i>For Clear Lacquer Finish, Add</i>	669.77	
			<i>For Baked Enamel Standard Colors, Add</i>	1,004.65	
			<i>For Anodized Finish, Add</i>	1,339.53	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,841.86	
08 91	19 00-0120	EA	54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,846.82	169.56
			<i>For Flange Frame, Add</i>	350.77	
			<i>For Clear Lacquer Finish, Add</i>	701.54	
			<i>For Baked Enamel Standard Colors, Add</i>	1,052.31	
			<i>For Anodized Finish, Add</i>	1,403.08	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,929.24	
08 91	19 00-0121	EA	54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,147.33	178.03
			<i>For Flange Frame, Add</i>	379.13	
			<i>For Clear Lacquer Finish, Add</i>	758.25	
			<i>For Baked Enamel Standard Colors, Add</i>	1,137.38	
			<i>For Anodized Finish, Add</i>	1,516.50	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,085.19	
08 91	19 00-0122	EA	60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,059.93	73.47
			<i>For Flange Frame, Add</i>	91.30	
			<i>For Clear Lacquer Finish, Add</i>	182.60	
			<i>For Baked Enamel Standard Colors, Add</i>	273.89	
			<i>For Anodized Finish, Add</i>	365.19	
			<i>For Kynar® Standard Colors Finish, Add</i>	502.14	
08 91	19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,307.73	90.42
			<i>For Flange Frame, Add</i>	112.69	
			<i>For Clear Lacquer Finish, Add</i>	225.37	
			<i>For Baked Enamel Standard Colors, Add</i>	338.06	
			<i>For Anodized Finish, Add</i>	450.75	
			<i>For Kynar® Standard Colors Finish, Add</i>	619.78	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0124	EA		60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,521.00	101.73
				Note: Includes bird screen.		
				For Flange Frame, Add	131.75	
				For Clear Lacquer Finish, Add	263.51	
				For Baked Enamel Standard Colors, Add	395.26	
				For Anodized Finish, Add	527.01	
				For Kynar® Standard Colors Finish, Add	724.64	
08 91	19 00-0125	EA		60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,764.52	107.38
				Note: Includes bird screen.		
				For Flange Frame, Add	154.98	
				For Clear Lacquer Finish, Add	309.95	
				For Baked Enamel Standard Colors, Add	464.93	
				For Anodized Finish, Add	619.90	
				For Kynar® Standard Colors Finish, Add	852.36	
08 91	19 00-0126	EA		60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,066.24	115.86
				Note: Includes bird screen.		
				For Flange Frame, Add	183.45	
				For Clear Lacquer Finish, Add	366.90	
				For Baked Enamel Standard Colors, Add	550.36	
				For Anodized Finish, Add	733.81	
				For Kynar® Standard Colors Finish, Add	1,008.99	
08 91	19 00-0127	EA		60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,291.43	121.51
				Note: Includes bird screen.		
				For Flange Frame, Add	204.84	
				For Clear Lacquer Finish, Add	409.68	
				For Baked Enamel Standard Colors, Add	614.52	
				For Anodized Finish, Add	819.36	
				For Kynar® Standard Colors Finish, Add	1,126.63	
08 91	19 00-0128	EA		60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,488.05	129.99
				Note: Includes bird screen.		
				For Flange Frame, Add	222.81	
				For Clear Lacquer Finish, Add	445.61	
				For Baked Enamel Standard Colors, Add	668.42	
				For Anodized Finish, Add	891.23	
				For Kynar® Standard Colors Finish, Add	1,225.44	
08 91	19 00-0129	EA		60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,784.89	138.47
				Note: Includes bird screen.		
				For Flange Frame, Add	250.80	
				For Clear Lacquer Finish, Add	501.59	
				For Baked Enamel Standard Colors, Add	752.39	
				For Anodized Finish, Add	1,003.18	
				For Kynar® Standard Colors Finish, Add	1,379.37	
08 91	19 00-0130	EA		60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,993.73	146.95
				Note: Includes bird screen.		
				For Flange Frame, Add	269.98	
				For Clear Lacquer Finish, Add	539.97	
				For Baked Enamel Standard Colors, Add	809.95	
				For Anodized Finish, Add	1,079.94	
				For Kynar® Standard Colors Finish, Add	1,484.91	
08 91	19 00-0131	EA		60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	3,308.91	155.42
				Note: Includes bird screen.		
				For Flange Frame, Add	299.81	
				For Clear Lacquer Finish, Add	599.61	
				For Baked Enamel Standard Colors, Add	899.42	
				For Anodized Finish, Add	1,199.22	
				For Kynar® Standard Colors Finish, Add	1,648.93	
08 91	19 00-0132	EA		60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,508.43	161.08
				Note: Includes bird screen.		
				For Flange Frame, Add	318.63	
				For Clear Lacquer Finish, Add	637.26	
				For Baked Enamel Standard Colors, Add	955.88	
				For Anodized Finish, Add	1,274.51	
				For Kynar® Standard Colors Finish, Add	1,752.45	
08 91	19 00-0133	EA		60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,736.06	166.73
				Note: Includes bird screen.		
				For Flange Frame, Add	340.26	
				For Clear Lacquer Finish, Add	680.52	
				For Baked Enamel Standard Colors, Add	1,020.78	
				For Anodized Finish, Add	1,361.04	
				For Kynar® Standard Colors Finish, Add	1,871.43	
08 91	19 00-0134	EA		60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,958.81	172.38
				Note: Includes bird screen.		
				For Flange Frame, Add	361.41	
				For Clear Lacquer Finish, Add	722.81	
				For Baked Enamel Standard Colors, Add	1,084.22	
				For Anodized Finish, Add	1,445.62	
				For Kynar® Standard Colors Finish, Add	1,987.73	
08 91	19 00-0135	EA		60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	4,147.33	178.03
				Note: Includes bird screen.		
				For Flange Frame, Add	379.13	
				For Clear Lacquer Finish, Add	758.25	
				For Baked Enamel Standard Colors, Add	1,137.38	
				For Anodized Finish, Add	1,516.50	
				For Kynar® Standard Colors Finish, Add	2,085.19	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,462.95	183.69
			<i>For Flange Frame, Add</i>	409.56	
			<i>For Clear Lacquer Finish, Add</i>	819.12	
			<i>For Baked Enamel Standard Colors, Add</i>	1,228.68	
			<i>For Anodized Finish, Add</i>	1,638.24	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,252.57	
08 91	19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,224.01	79.12
			<i>For Flange Frame, Add</i>	106.58	
			<i>For Clear Lacquer Finish, Add</i>	213.15	
			<i>For Baked Enamel Standard Colors, Add</i>	319.73	
			<i>For Anodized Finish, Add</i>	426.30	
			<i>For Kynar® Standard Colors Finish, Add</i>	586.17	
08 91	19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,514.58	96.08
			<i>For Flange Frame, Add</i>	132.24	
			<i>For Clear Lacquer Finish, Add</i>	264.48	
			<i>For Baked Enamel Standard Colors, Add</i>	396.73	
			<i>For Anodized Finish, Add</i>	528.97	
			<i>For Kynar® Standard Colors Finish, Add</i>	727.33	
08 91	19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,764.82	113.03
			<i>For Flange Frame, Add</i>	153.88	
			<i>For Clear Lacquer Finish, Add</i>	307.75	
			<i>For Baked Enamel Standard Colors, Add</i>	461.63	
			<i>For Anodized Finish, Add</i>	615.50	
			<i>For Kynar® Standard Colors Finish, Add</i>	846.31	
08 91	19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,030.34	118.69
			<i>For Flange Frame, Add</i>	179.30	
			<i>For Clear Lacquer Finish, Add</i>	358.59	
			<i>For Baked Enamel Standard Colors, Add</i>	537.89	
			<i>For Anodized Finish, Add</i>	717.19	
			<i>For Kynar® Standard Colors Finish, Add</i>	986.13	
08 91	19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,383.86	124.34
			<i>For Flange Frame, Add</i>	213.52	
			<i>For Clear Lacquer Finish, Add</i>	427.04	
			<i>For Baked Enamel Standard Colors, Add</i>	640.55	
			<i>For Anodized Finish, Add</i>	854.07	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,174.35	
08 91	19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,629.83	129.99
			<i>For Flange Frame, Add</i>	236.99	
			<i>For Clear Lacquer Finish, Add</i>	473.97	
			<i>For Baked Enamel Standard Colors, Add</i>	710.96	
			<i>For Anodized Finish, Add</i>	947.94	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,303.42	
08 91	19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,865.56	138.47
			<i>For Flange Frame, Add</i>	258.86	
			<i>For Clear Lacquer Finish, Add</i>	517.72	
			<i>For Baked Enamel Standard Colors, Add</i>	776.59	
			<i>For Anodized Finish, Add</i>	1,035.45	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,423.74	
08 91	19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,142.84	146.95
			<i>For Flange Frame, Add</i>	284.90	
			<i>For Clear Lacquer Finish, Add</i>	569.79	
			<i>For Baked Enamel Standard Colors, Add</i>	854.69	
			<i>For Anodized Finish, Add</i>	1,139.58	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,566.92	
08 91	19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,377.35	155.42
			<i>For Flange Frame, Add</i>	306.65	
			<i>For Clear Lacquer Finish, Add</i>	613.30	
			<i>For Baked Enamel Standard Colors, Add</i>	919.95	
			<i>For Anodized Finish, Add</i>	1,226.60	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,686.58	
08 91	19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,738.51	166.73
			<i>For Flange Frame, Add</i>	340.51	
			<i>For Clear Lacquer Finish, Add</i>	681.01	
			<i>For Baked Enamel Standard Colors, Add</i>	1,021.52	
			<i>For Anodized Finish, Add</i>	1,362.02	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,872.78	
08 91	19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,964.46	175.21
			<i>For Flange Frame, Add</i>	361.41	
			<i>For Clear Lacquer Finish, Add</i>	722.81	
			<i>For Baked Enamel Standard Colors, Add</i>	1,084.22	
			<i>For Anodized Finish, Add</i>	1,445.62	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,987.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0148 EA 66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	4,205.53	180.86
Note: Includes bird screen.		
For Flange Frame, Add	384.38	
For Clear Lacquer Finish, Add	768.76	
For Baked Enamel Standard Colors, Add	1,153.15	
For Anodized Finish, Add	1,537.53	
For Kynar® Standard Colors Finish, Add	2,114.10	
08 91 19 00-0149 EA 66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	4,451.49	186.51
Note: Includes bird screen.		
For Flange Frame, Add	407.85	
For Clear Lacquer Finish, Add	815.70	
For Baked Enamel Standard Colors, Add	1,223.54	
For Anodized Finish, Add	1,631.39	
For Kynar® Standard Colors Finish, Add	2,243.16	
08 91 19 00-0150 EA 66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	4,664.46	192.16
Note: Includes bird screen.		
For Flange Frame, Add	428.01	
For Clear Lacquer Finish, Add	856.03	
For Baked Enamel Standard Colors, Add	1,284.04	
For Anodized Finish, Add	1,712.06	
For Kynar® Standard Colors Finish, Add	2,354.08	
08 91 19 00-0151 EA 66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	5,016.76	197.82
Note: Includes bird screen.		
For Flange Frame, Add	462.11	
For Clear Lacquer Finish, Add	924.23	
For Baked Enamel Standard Colors, Add	1,386.34	
For Anodized Finish, Add	1,848.46	
For Kynar® Standard Colors Finish, Add	2,541.63	
08 91 19 00-0152 EA 72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,291.54	84.77
Note: Includes bird screen.		
For Flange Frame, Add	112.20	
For Clear Lacquer Finish, Add	224.40	
For Baked Enamel Standard Colors, Add	336.59	
For Anodized Finish, Add	448.79	
For Kynar® Standard Colors Finish, Add	617.09	
08 91 19 00-0153 EA 72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,596.78	101.73
Note: Includes bird screen.		
For Flange Frame, Add	139.33	
For Clear Lacquer Finish, Add	278.66	
For Baked Enamel Standard Colors, Add	417.99	
For Anodized Finish, Add	557.32	
For Kynar® Standard Colors Finish, Add	766.32	
08 91 19 00-0154 EA 72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,860.45	118.69
Note: Includes bird screen.		
For Flange Frame, Add	162.31	
For Clear Lacquer Finish, Add	324.62	
For Baked Enamel Standard Colors, Add	486.92	
For Anodized Finish, Add	649.23	
For Kynar® Standard Colors Finish, Add	892.69	
08 91 19 00-0155 EA 72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,147.52	127.16
Note: Includes bird screen.		
For Flange Frame, Add	189.32	
For Clear Lacquer Finish, Add	378.64	
For Baked Enamel Standard Colors, Add	567.96	
For Anodized Finish, Add	757.28	
For Kynar® Standard Colors Finish, Add	1,041.25	
08 91 19 00-0156 EA 72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,526.70	132.82
Note: Includes bird screen.		
For Flange Frame, Add	226.11	
For Clear Lacquer Finish, Add	452.21	
For Baked Enamel Standard Colors, Add	678.32	
For Anodized Finish, Add	904.43	
For Kynar® Standard Colors Finish, Add	1,243.59	
08 91 19 00-0157 EA 72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,786.12	138.47
Note: Includes bird screen.		
For Flange Frame, Add	250.92	
For Clear Lacquer Finish, Add	501.84	
For Baked Enamel Standard Colors, Add	752.75	
For Anodized Finish, Add	1,003.67	
For Kynar® Standard Colors Finish, Add	1,380.05	
08 91 19 00-0158 EA 72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,037.73	146.95
Note: Includes bird screen.		
For Flange Frame, Add	274.38	
For Clear Lacquer Finish, Add	548.77	
For Baked Enamel Standard Colors, Add	823.15	
For Anodized Finish, Add	1,097.54	
For Kynar® Standard Colors Finish, Add	1,509.11	
08 91 19 00-0159 EA 72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	3,325.26	152.60
Note: Includes bird screen.		
For Flange Frame, Add	302.01	
For Clear Lacquer Finish, Add	604.01	
For Baked Enamel Standard Colors, Add	906.02	
For Anodized Finish, Add	1,208.02	
For Kynar® Standard Colors Finish, Add	1,661.03	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,570.76	161.08
			<i>For Flange Frame, Add</i>	324.86	
			<i>For Clear Lacquer Finish, Add</i>	649.72	
			<i>For Baked Enamel Standard Colors, Add</i>	974.58	
			<i>For Anodized Finish, Add</i>	1,299.44	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,786.74	
08 91	19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,964.46	175.21
			<i>For Flange Frame, Add</i>	361.41	
			<i>For Clear Lacquer Finish, Add</i>	722.81	
			<i>For Baked Enamel Standard Colors, Add</i>	1,084.22	
			<i>For Anodized Finish, Add</i>	1,445.62	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,987.73	
08 91	19 00-0162	EA	72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,213.62	183.69
			<i>For Flange Frame, Add</i>	384.63	
			<i>For Clear Lacquer Finish, Add</i>	769.25	
			<i>For Baked Enamel Standard Colors, Add</i>	1,153.88	
			<i>For Anodized Finish, Add</i>	1,538.50	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,115.44	
08 91	19 00-0163	EA	72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,462.04	189.34
			<i>For Flange Frame, Add</i>	408.34	
			<i>For Clear Lacquer Finish, Add</i>	816.67	
			<i>For Baked Enamel Standard Colors, Add</i>	1,225.01	
			<i>For Anodized Finish, Add</i>	1,633.35	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,245.85	
08 91	19 00-0164	EA	72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,714.11	194.99
			<i>For Flange Frame, Add</i>	432.41	
			<i>For Clear Lacquer Finish, Add</i>	864.83	
			<i>For Baked Enamel Standard Colors, Add</i>	1,297.24	
			<i>For Anodized Finish, Add</i>	1,729.66	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,378.28	
08 91	19 00-0165	EA	72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,950.30	200.64
			<i>For Flange Frame, Add</i>	454.90	
			<i>For Clear Lacquer Finish, Add</i>	909.81	
			<i>For Baked Enamel Standard Colors, Add</i>	1,364.71	
			<i>For Anodized Finish, Add</i>	1,819.61	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,501.97	
08 91	19 00-0166	EA	72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	5,325.82	206.29
			<i>For Flange Frame, Add</i>	491.32	
			<i>For Clear Lacquer Finish, Add</i>	982.65	
			<i>For Baked Enamel Standard Colors, Add</i>	1,473.97	
			<i>For Anodized Finish, Add</i>	1,965.30	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,702.28	
08 91	19 00-0167	EA	78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,373.73	90.42
			<i>For Flange Frame, Add</i>	119.29	
			<i>For Clear Lacquer Finish, Add</i>	238.57	
			<i>For Baked Enamel Standard Colors, Add</i>	357.86	
			<i>For Anodized Finish, Add</i>	477.15	
			<i>For Kynar® Standard Colors Finish, Add</i>	656.08	
08 91	19 00-0168	EA	78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,687.52	107.38
			<i>For Flange Frame, Add</i>	147.28	
			<i>For Clear Lacquer Finish, Add</i>	294.55	
			<i>For Baked Enamel Standard Colors, Add</i>	441.83	
			<i>For Anodized Finish, Add</i>	589.10	
			<i>For Kynar® Standard Colors Finish, Add</i>	810.01	
08 91	19 00-0169	EA	78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,957.32	124.34
			<i>For Flange Frame, Add</i>	170.86	
			<i>For Clear Lacquer Finish, Add</i>	341.73	
			<i>For Baked Enamel Standard Colors, Add</i>	512.59	
			<i>For Anodized Finish, Add</i>	683.46	
			<i>For Kynar® Standard Colors Finish, Add</i>	939.75	
08 91	19 00-0170	EA	78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,263.93	132.82
			<i>For Flange Frame, Add</i>	199.83	
			<i>For Clear Lacquer Finish, Add</i>	399.66	
			<i>For Baked Enamel Standard Colors, Add</i>	599.49	
			<i>For Anodized Finish, Add</i>	799.32	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,099.07	
08 91	19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,665.12	138.47
			<i>For Flange Frame, Add</i>	238.82	
			<i>For Clear Lacquer Finish, Add</i>	477.64	
			<i>For Baked Enamel Standard Colors, Add</i>	716.45	
			<i>For Anodized Finish, Add</i>	955.27	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,313.50	





<b>Openings</b>	<b>08</b>
<b>Louvers and Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,935.53 264.73 529.46 794.19 1,058.92 1,456.01	144.12
08 91	19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,205.48 290.03 580.06 870.08 1,160.11 1,595.15	152.60
08 91	19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,510.11 319.36 638.72 958.08 1,277.44 1,756.49	158.25
08 91	19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,773.95 344.05 688.10 1,032.15 1,376.20 1,892.27	166.73
08 91	19 00-0176	EA	78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,193.31 383.16 766.32 1,149.48 1,532.64 2,107.38	180.86
08 91	19 00-0177	EA	78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,454.71 407.60 815.21 1,222.81 1,630.42 2,241.82	189.34
08 91	19 00-0178	EA	78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,728.32 433.27 866.54 1,299.81 1,733.08 2,382.99	197.82
08 91	19 00-0179	EA	78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,980.40 457.35 914.69 1,372.04 1,829.39 2,515.41	203.47
08 91	19 00-0180	EA	78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,232.48 481.43 962.85 1,444.28 1,925.70 2,647.84	209.12
08 91	19 00-0181	EA	78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,632.45 520.29 1,040.58 1,560.87 2,081.16 2,861.60	214.77
08 91	19 00-0182	EA	84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,440.03 124.79 249.57 374.36 499.15 686.33	96.08
08 91	19 00-0183	EA	84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,767.26 154.12 308.24 462.36 616.48 847.65	113.03

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0184	EA	84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,066.39	129.99
			<i>For Flange Frame, Add</i>	180.64	
			<i>For Clear Lacquer Finish, Add</i>	361.28	
			<i>For Baked Enamel Standard Colors, Add</i>	541.92	
			<i>For Anodized Finish, Add</i>	722.56	
			<i>For Kynar® Standard Colors Finish, Add</i>	993.53	
08 91	19 00-0185	EA	84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,382.79	138.47
			<i>For Flange Frame, Add</i>	210.59	
			<i>For Clear Lacquer Finish, Add</i>	421.17	
			<i>For Baked Enamel Standard Colors, Add</i>	631.76	
			<i>For Anodized Finish, Add</i>	842.34	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,158.22	
08 91	19 00-0186	EA	84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,809.64	144.12
			<i>For Flange Frame, Add</i>	252.14	
			<i>For Clear Lacquer Finish, Add</i>	504.28	
			<i>For Baked Enamel Standard Colors, Add</i>	756.42	
			<i>For Anodized Finish, Add</i>	1,008.56	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,386.77	
08 91	19 00-0187	EA	84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,095.94	149.77
			<i>For Flange Frame, Add</i>	279.64	
			<i>For Clear Lacquer Finish, Add</i>	559.28	
			<i>For Baked Enamel Standard Colors, Add</i>	838.92	
			<i>For Anodized Finish, Add</i>	1,118.56	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,538.01	
08 91	19 00-0188	EA	84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,372.00	158.25
			<i>For Flange Frame, Add</i>	305.55	
			<i>For Clear Lacquer Finish, Add</i>	611.10	
			<i>For Baked Enamel Standard Colors, Add</i>	916.65	
			<i>For Anodized Finish, Add</i>	1,222.20	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,680.53	
08 91	19 00-0189	EA	84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,701.08	163.90
			<i>For Flange Frame, Add</i>	337.33	
			<i>For Clear Lacquer Finish, Add</i>	674.65	
			<i>For Baked Enamel Standard Colors, Add</i>	1,011.98	
			<i>For Anodized Finish, Add</i>	1,349.31	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,855.30	
08 91	19 00-0190	EA	84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,978.36	172.38
			<i>For Flange Frame, Add</i>	363.36	
			<i>For Clear Lacquer Finish, Add</i>	726.72	
			<i>For Baked Enamel Standard Colors, Add</i>	1,090.08	
			<i>For Anodized Finish, Add</i>	1,453.44	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,998.48	
08 91	19 00-0191	EA	84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,423.38	186.51
			<i>For Flange Frame, Add</i>	405.04	
			<i>For Clear Lacquer Finish, Add</i>	810.07	
			<i>For Baked Enamel Standard Colors, Add</i>	1,215.11	
			<i>For Anodized Finish, Add</i>	1,620.15	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,227.70	
08 91	19 00-0192	EA	84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,694.56	194.99
			<i>For Flange Frame, Add</i>	430.46	
			<i>For Clear Lacquer Finish, Add</i>	860.92	
			<i>For Baked Enamel Standard Colors, Add</i>	1,291.38	
			<i>For Anodized Finish, Add</i>	1,721.84	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,367.52	
08 91	19 00-0193	EA	84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,992.62	203.47
			<i>For Flange Frame, Add</i>	458.57	
			<i>For Clear Lacquer Finish, Add</i>	917.14	
			<i>For Baked Enamel Standard Colors, Add</i>	1,375.71	
			<i>For Anodized Finish, Add</i>	1,834.28	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,522.13	
08 91	19 00-0194	EA	84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	5,313.14	209.12
			<i>For Flange Frame, Add</i>	489.49	
			<i>For Clear Lacquer Finish, Add</i>	978.98	
			<i>For Baked Enamel Standard Colors, Add</i>	1,468.47	
			<i>For Anodized Finish, Add</i>	1,957.96	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,692.20	
08 91	19 00-0195	EA	84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	5,601.89	214.77
			<i>For Flange Frame, Add</i>	517.24	
			<i>For Clear Lacquer Finish, Add</i>	1,034.47	
			<i>For Baked Enamel Standard Colors, Add</i>	1,551.71	
			<i>For Anodized Finish, Add</i>	2,068.94	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,844.79	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0196	EA		84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	6,032.40	220.41
				<i>For Flange Frame, Add</i>	559.16	
				<i>For Clear Lacquer Finish, Add</i>	1,118.31	
				<i>For Baked Enamel Standard Colors, Add</i>	1,677.47	
				<i>For Anodized Finish, Add</i>	2,236.62	
				<i>For Kynar® Standard Colors Finish, Add</i>	3,075.36	
08 91	19 00-0197	EA		90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,526.65	104.56
				<i>For Flange Frame, Add</i>	131.75	
				<i>For Clear Lacquer Finish, Add</i>	263.51	
				<i>For Baked Enamel Standard Colors, Add</i>	395.26	
				<i>For Anodized Finish, Add</i>	527.01	
				<i>For Kynar® Standard Colors Finish, Add</i>	724.64	
08 91	19 00-0198	EA		90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,858.77	121.51
				<i>For Flange Frame, Add</i>	161.58	
				<i>For Clear Lacquer Finish, Add</i>	323.15	
				<i>For Baked Enamel Standard Colors, Add</i>	484.73	
				<i>For Anodized Finish, Add</i>	646.30	
				<i>For Kynar® Standard Colors Finish, Add</i>	888.66	
08 91	19 00-0199	EA		90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,170.13	138.47
				<i>For Flange Frame, Add</i>	189.32	
				<i>For Clear Lacquer Finish, Add</i>	378.64	
				<i>For Baked Enamel Standard Colors, Add</i>	567.96	
				<i>For Anodized Finish, Add</i>	757.28	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,041.25	
08 91	19 00-0200	EA		90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,496.29	146.95
				<i>For Flange Frame, Add</i>	220.24	
				<i>For Clear Lacquer Finish, Add</i>	440.48	
				<i>For Baked Enamel Standard Colors, Add</i>	660.72	
				<i>For Anodized Finish, Add</i>	880.96	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,211.32	
08 91	19 00-0201	EA		90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,952.49	152.60
				<i>For Flange Frame, Add</i>	264.73	
				<i>For Clear Lacquer Finish, Add</i>	529.46	
				<i>For Baked Enamel Standard Colors, Add</i>	794.19	
				<i>For Anodized Finish, Add</i>	1,058.92	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,456.01	
08 91	19 00-0202	EA		90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,248.56	158.25
				<i>For Flange Frame, Add</i>	293.21	
				<i>For Clear Lacquer Finish, Add</i>	586.41	
				<i>For Baked Enamel Standard Colors, Add</i>	879.62	
				<i>For Anodized Finish, Add</i>	1,172.82	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,612.63	
08 91	19 00-0203	EA		90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,531.20	163.90
				<i>For Flange Frame, Add</i>	320.34	
				<i>For Clear Lacquer Finish, Add</i>	640.68	
				<i>For Baked Enamel Standard Colors, Add</i>	961.02	
				<i>For Anodized Finish, Add</i>	1,281.36	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,761.86	
08 91	19 00-0204	EA		90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,878.60	169.56
				<i>For Flange Frame, Add</i>	353.95	
				<i>For Clear Lacquer Finish, Add</i>	707.90	
				<i>For Baked Enamel Standard Colors, Add</i>	1,061.85	
				<i>For Anodized Finish, Add</i>	1,415.80	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,946.72	
08 91	19 00-0205	EA		90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,170.56	178.03
				<i>For Flange Frame, Add</i>	381.45	
				<i>For Clear Lacquer Finish, Add</i>	762.90	
				<i>For Baked Enamel Standard Colors, Add</i>	1,144.35	
				<i>For Anodized Finish, Add</i>	1,525.80	
				<i>For Kynar® Standard Colors Finish, Add</i>	2,097.97	
08 91	19 00-0206	EA		90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,641.24	192.16
				<i>For Flange Frame, Add</i>	425.69	
				<i>For Clear Lacquer Finish, Add</i>	851.38	
				<i>For Baked Enamel Standard Colors, Add</i>	1,277.08	
				<i>For Anodized Finish, Add</i>	1,702.77	
				<i>For Kynar® Standard Colors Finish, Add</i>	2,341.31	
08 91	19 00-0207	EA		90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,924.63	200.64
				<i>For Flange Frame, Add</i>	452.34	
				<i>For Clear Lacquer Finish, Add</i>	904.67	
				<i>For Baked Enamel Standard Colors, Add</i>	1,357.01	
				<i>For Anodized Finish, Add</i>	1,809.34	
				<i>For Kynar® Standard Colors Finish, Add</i>	2,487.85	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0208 EA 90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	5,249.59	209.12
Note: Includes bird screen.		
For Flange Frame, Add	483.14	
For Clear Lacquer Finish, Add	966.27	
For Baked Enamel Standard Colors, Add	1,449.41	
For Anodized Finish, Add	1,932.54	
For Kynar® Standard Colors Finish, Add	2,657.25	
08 91 19 00-0209 EA 90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	5,589.67	214.77
Note: Includes bird screen.		
For Flange Frame, Add	516.01	
For Clear Lacquer Finish, Add	1,032.03	
For Baked Enamel Standard Colors, Add	1,548.04	
For Anodized Finish, Add	2,064.05	
For Kynar® Standard Colors Finish, Add	2,838.07	
08 91 19 00-0210 EA 90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	5,876.72	223.24
Note: Includes bird screen.		
For Flange Frame, Add	543.02	
For Clear Lacquer Finish, Add	1,086.05	
For Baked Enamel Standard Colors, Add	1,629.07	
For Anodized Finish, Add	2,172.09	
For Kynar® Standard Colors Finish, Add	2,986.63	
08 91 19 00-0211 EA 90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	6,332.92	228.89
Note: Includes bird screen.		
For Flange Frame, Add	587.51	
For Clear Lacquer Finish, Add	1,175.02	
For Baked Enamel Standard Colors, Add	1,762.54	
For Anodized Finish, Add	2,350.05	
For Kynar® Standard Colors Finish, Add	3,231.32	
08 91 19 00-0212 EA 96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,601.05	113.03
Note: Includes bird screen.		
For Flange Frame, Add	137.50	
For Clear Lacquer Finish, Add	275.00	
For Baked Enamel Standard Colors, Add	412.49	
For Anodized Finish, Add	549.99	
For Kynar® Standard Colors Finish, Add	756.24	
08 91 19 00-0213 EA 96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,945.39	129.99
Note: Includes bird screen.		
For Flange Frame, Add	168.54	
For Clear Lacquer Finish, Add	337.08	
For Baked Enamel Standard Colors, Add	505.62	
For Anodized Finish, Add	674.16	
For Kynar® Standard Colors Finish, Add	926.98	
08 91 19 00-0214 EA 96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	2,272.63	146.95
Note: Includes bird screen.		
For Flange Frame, Add	197.87	
For Clear Lacquer Finish, Add	395.75	
For Baked Enamel Standard Colors, Add	593.62	
For Anodized Finish, Add	791.50	
For Kynar® Standard Colors Finish, Add	1,088.31	
08 91 19 00-0215 EA 96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,617.14	155.42
Note: Includes bird screen.		
For Flange Frame, Add	230.63	
For Clear Lacquer Finish, Add	461.26	
For Baked Enamel Standard Colors, Add	691.89	
For Anodized Finish, Add	922.52	
For Kynar® Standard Colors Finish, Add	1,268.46	
08 91 19 00-0216 EA 96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	3,087.99	161.08
Note: Includes bird screen.		
For Flange Frame, Add	276.58	
For Clear Lacquer Finish, Add	553.17	
For Baked Enamel Standard Colors, Add	829.75	
For Anodized Finish, Add	1,106.34	
For Kynar® Standard Colors Finish, Add	1,521.21	
08 91 19 00-0217 EA 96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	3,434.18	166.73
Note: Includes bird screen.		
For Flange Frame, Add	310.07	
For Clear Lacquer Finish, Add	620.14	
For Baked Enamel Standard Colors, Add	930.22	
For Anodized Finish, Add	1,240.29	
For Kynar® Standard Colors Finish, Add	1,705.40	
08 91 19 00-0218 EA 96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,735.14	172.38
Note: Includes bird screen.		
For Flange Frame, Add	339.04	
For Clear Lacquer Finish, Add	678.08	
For Baked Enamel Standard Colors, Add	1,017.11	
For Anodized Finish, Add	1,356.15	
For Kynar® Standard Colors Finish, Add	1,864.71	
08 91 19 00-0219 EA 96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	4,065.45	178.03
Note: Includes bird screen.		
For Flange Frame, Add	370.94	
For Clear Lacquer Finish, Add	741.88	
For Baked Enamel Standard Colors, Add	1,112.81	
For Anodized Finish, Add	1,483.75	
For Kynar® Standard Colors Finish, Add	2,040.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0220 EA 96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	4,371.29	183.69
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	400.39	
<i>For Clear Lacquer Finish, Add</i>	800.79	
<i>For Baked Enamel Standard Colors, Add</i>	1,201.18	
<i>For Anodized Finish, Add</i>	1,601.57	
<i>For Kynar® Standard Colors Finish, Add</i>	2,202.16	
08 91 19 00-0221 EA 96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	4,877.43	197.82
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	448.18	
<i>For Clear Lacquer Finish, Add</i>	896.36	
<i>For Baked Enamel Standard Colors, Add</i>	1,344.54	
<i>For Anodized Finish, Add</i>	1,792.72	
<i>For Kynar® Standard Colors Finish, Add</i>	2,465.00	
08 91 19 00-0222 EA 96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,855.52	206.29
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	344.29	
<i>For Clear Lacquer Finish, Add</i>	688.59	
<i>For Baked Enamel Standard Colors, Add</i>	1,032.88	
<i>For Anodized Finish, Add</i>	1,377.18	
<i>For Kynar® Standard Colors Finish, Add</i>	1,893.62	
08 91 19 00-0223 EA 96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	5,502.89	214.77
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	507.34	
<i>For Clear Lacquer Finish, Add</i>	1,014.67	
<i>For Baked Enamel Standard Colors, Add</i>	1,522.01	
<i>For Anodized Finish, Add</i>	2,029.34	
<i>For Kynar® Standard Colors Finish, Add</i>	2,790.34	
08 91 19 00-0224 EA 96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	5,855.19	220.41
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	541.44	
<i>For Clear Lacquer Finish, Add</i>	1,082.87	
<i>For Baked Enamel Standard Colors, Add</i>	1,624.31	
<i>For Anodized Finish, Add</i>	2,165.74	
<i>For Kynar® Standard Colors Finish, Add</i>	2,977.89	
08 91 19 00-0225 EA 96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	6,156.92	228.89
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	569.91	
<i>For Clear Lacquer Finish, Add</i>	1,139.82	
<i>For Baked Enamel Standard Colors, Add</i>	1,709.74	
<i>For Anodized Finish, Add</i>	2,279.65	
<i>For Kynar® Standard Colors Finish, Add</i>	3,134.52	
08 91 19 00-0226 EA 96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	6,646.86	237.37
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	617.21	
<i>For Clear Lacquer Finish, Add</i>	1,234.42	
<i>For Baked Enamel Standard Colors, Add</i>	1,851.63	
<i>For Anodized Finish, Add</i>	2,468.84	
<i>For Kynar® Standard Colors Finish, Add</i>	3,394.66	
<b>08 91 19 00-0227 Gable Louver Vents (08 91 19)</b>		
Note: 1" deep, residential/light commercial grade louvers.		
<b>08 91 19 00-0228 Aluminum Gable Louver Vents (08 91 19 00-0227)</b>		
Note: Includes screen.		
<b>08 91 19 00-0229 Rectangular Aluminum Gable Louver Vents (08 91 19 00-0228)</b>		
Note: Includes screen.		
08 91 19 00-0230 EA 12" x 18" Rectangular Fixed Aluminum Gable Louver Vent.....	259.10	10.36
08 91 19 00-0231 EA 12" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	283.23	11.90
08 91 19 00-0232 EA 18" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	326.88	13.43
08 91 19 00-0233 EA 18" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	358.68	14.28
08 91 19 00-0234 EA 24" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	409.99	15.12
08 91 19 00-0235 EA 24" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	458.10	18.14
08 91 19 00-0236 EA 30" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	530.27	22.67
08 91 19 00-0237 EA 30" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	590.42	26.45
08 91 19 00-0238 EA 36" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	674.61	31.74
08 91 19 00-0239 EA 42" x 48" Rectangular Fixed Aluminum Gable Louver Vent.....	842.99	42.32
<b>08 91 19 00-0240 Square Aluminum Gable Louver Vents (08 91 19 00-0228)</b>		
Note: Includes screen.		
08 91 19 00-0241 EA 12" x 12" Square Fixed Aluminum Gable Louver Vent .....	237.13	9.54
08 91 19 00-0242 EA 18" x 18" Square Fixed Aluminum Gable Louver Vent .....	293.55	12.09
08 91 19 00-0243 EA 24" x 24" Square Fixed Aluminum Gable Louver Vent .....	368.43	14.26
08 91 19 00-0244 EA 30" x 30" Square Fixed Aluminum Gable Louver Vent .....	470.13	18.89
08 91 19 00-0245 EA 36" x 36" Square Fixed Aluminum Gable Louver Vent .....	602.43	27.21
08 91 19 00-0246 EA 42" x 42" Square Fixed Aluminum Gable Louver Vent .....	758.72	37.01
08 91 19 00-0247 EA 48" x 48" Square Fixed Aluminum Gable Louver Vent .....	939.22	48.36
<b>08 91 19 00-0248 Round Aluminum Gable Louver Vents (08 91 19 00-0228)</b>		
Note: Includes screen.		
08 91 19 00-0249 EA 12" Diameter Round Fixed Aluminum Gable Louver Vent.....	237.13	9.54
08 91 19 00-0250 EA 18" Diameter Round Fixed Aluminum Gable Louver Vent.....	293.55	12.09



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 91 19 00-0251	EA	24" Diameter Round Fixed Aluminum Gable Louver Vent.....	368.43	14.26
08 91 19 00-0252	EA	30" Diameter Round Fixed Aluminum Gable Louver Vent.....	470.13	18.89
08 91 19 00-0253	EA	36" Diameter Round Fixed Aluminum Gable Louver Vent.....	602.43	27.21
08 91 19 00-0254	EA	42" Diameter Round Fixed Aluminum Gable Louver Vent.....	758.81	37.03

### 08 91 19 00-0255 Octagonal Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0256	EA	12" x 12" Octagonal Fixed Aluminum Gable Louver Vent.....	237.13	9.54
08 91 19 00-0257	EA	12" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	259.10	10.36
08 91 19 00-0258	EA	12" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	283.23	11.90
08 91 19 00-0259	EA	18" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	293.55	12.09
08 91 19 00-0260	EA	18" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	326.88	13.43
08 91 19 00-0261	EA	18" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	358.68	14.28
08 91 19 00-0262	EA	24" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	368.43	14.26
08 91 19 00-0263	EA	24" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	409.99	15.12
08 91 19 00-0264	EA	24" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	458.10	18.14
08 91 19 00-0265	EA	30" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	470.13	18.89
08 91 19 00-0266	EA	30" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	530.27	22.67
08 91 19 00-0267	EA	30" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	590.42	26.45
08 91 19 00-0268	EA	36" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	602.43	27.21
08 91 19 00-0269	EA	36" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	674.61	31.74
08 91 19 00-0270	EA	36" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	746.77	36.27
08 91 19 00-0271	EA	42" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	758.81	37.03
08 91 19 00-0272	EA	42" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	842.99	42.32
08 91 19 00-0273	EA	48" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	939.22	48.36

### 08 91 19 00-0274 Round Top Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0275	EA	12" x 12" Round Top Fixed Aluminum Gable Louver Vent.....	237.13	9.54
08 91 19 00-0276	EA	12" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	259.10	10.36
08 91 19 00-0277	EA	12" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	283.23	11.90
08 91 19 00-0278	EA	18" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	293.55	12.09
08 91 19 00-0279	EA	18" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	326.88	13.43
08 91 19 00-0280	EA	18" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	358.68	14.28
08 91 19 00-0281	EA	24" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	368.43	14.26
08 91 19 00-0282	EA	24" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	409.99	15.12
08 91 19 00-0283	EA	24" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	458.10	18.14
08 91 19 00-0284	EA	30" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	470.13	18.89
08 91 19 00-0285	EA	30" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	530.27	22.67
08 91 19 00-0286	EA	30" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	590.42	26.45
08 91 19 00-0287	EA	36" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	602.43	27.21
08 91 19 00-0288	EA	36" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	674.61	31.74
08 91 19 00-0289	EA	36" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	746.77	36.27
08 91 19 00-0290	EA	42" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	758.81	37.03
08 91 19 00-0291	EA	42" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	842.99	42.32
08 91 19 00-0292	EA	48" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	939.22	48.36

### 08 91 19 00-0293 Triangle Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0294	EA	36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	497.92	11.90
08 91 19 00-0295	EA	36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	563.60	14.26
08 91 19 00-0296	EA	48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	605.17	15.12
08 91 19 00-0297	EA	48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	692.31	18.14
08 91 19 00-0298	EA	48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	772.65	18.89
08 91 19 00-0299	EA	60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	627.86	22.67
08 91 19 00-0300	EA	60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	736.80	26.45
08 91 19 00-0301	EA	60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	836.65	27.21
08 91 19 00-0302	EA	60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	947.86	31.74
08 91 19 00-0303	EA	72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	746.77	36.27
08 91 19 00-0304	EA	72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	866.16	37.03
08 91 19 00-0305	EA	72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	999.13	42.32
08 91 19 00-0306	EA	72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	1,134.40	48.36
08 91 19 00-0307	EA	72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent.....	1,273.16	55.58

### 08 91 19 00-0308 Vinyl Gable Louver Vents (08 91 19 00-0227)

Note: Includes screen.

08 91 19 00-0309	EA	12" x 12" Square Fixed Vinyl Gable Louver Vent.....	73.71	9.54
08 91 19 00-0310	EA	12" x 18" Rectangular Fixed Vinyl Gable Louver Vent.....	89.72	10.36
08 91 19 00-0311	EA	18" x 24" Rectangular Fixed Vinyl Gable Louver Vent.....	122.80	13.43
08 91 19 00-0312	EA	24" x 30" Rectangular Fixed Vinyl Gable Louver Vent.....	170.00	15.12
08 91 19 00-0313	EA	18" Diameter Round Fixed Vinyl Gable Louver Vent.....	119.39	12.09
08 91 19 00-0314	EA	22" Diameter Round Fixed Vinyl Gable Louver Vent.....	137.81	14.26
08 91 19 00-0315	EA	30" Diameter Round Fixed Vinyl Gable Louver Vent.....	194.98	18.89
08 91 19 00-0316	EA	36" Diameter Round Fixed Vinyl Gable Louver Vent.....	285.18	27.21
08 91 19 00-0317	EA	18" x 18" Octagonal Fixed Vinyl Gable Louver Vent.....	119.39	12.09
08 91 19 00-0318	EA	22" x 22" Octagonal Fixed Vinyl Gable Louver Vent.....	135.30	13.43
08 91 19 00-0319	EA	27" x 27" Octagonal Fixed Vinyl Gable Louver Vent.....	175.76	15.12



<b>Openings</b>	<b>08</b>	<b>08</b>
Louvers and Vents	08 90	
Louvers	08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0320	EA	32" x 32" Octagonal Fixed Vinyl Gable Louver Vent.....	248.94	22.67
08 91	19 00-0321	EA	40" x 40" Octagonal Fixed Vinyl Gable Louver Vent.....	601.20	36.27
08 91	19 00-0322	EA	14" x 22" Round Top Fixed Vinyl Gable Louver Vent.....	116.99	11.90
08 91	19 00-0323	EA	22" x 32" Round Top Fixed Vinyl Gable Louver Vent.....	163.83	15.12
08 91	19 00-0324	EA	34" x 22" Half Round Fixed Vinyl Gable Louver Vent.....	168.40	18.14
08 91	19 00-0325	EA	52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	396.74	22.67
08 91	19 00-0326	EA	56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	396.74	22.67
08 91	19 00-0327	EA	56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	396.74	22.67
08 91	19 00-0328	EA	62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	396.74	22.67
08 91	19 00-0329	EA	62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent.....	396.74	22.67
08 91	19 00-0330	EA	70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent.....	437.58	36.27
08 91	19 00-0331	EA	70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	437.58	36.27
08 91	19 00-0332	EA	72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent.....	437.58	36.27
08 91	19 00-0333	EA	74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	437.58	36.27
<b>08 95 Vents</b> <small>(08 90)</small>					
<b>08 95 13 Soffit Vents</b> <small>(08 95)</small>					
<b>08 95 13 00-0001 Aluminum Soffit Vents</b> <small>(08 95 13)</small>					
	08 95 13 00-0002	LF	2-1/2" Wide Aluminum Soffit Vent.....	7.50	2.60
	08 95 13 00-0003	LF	3" Wide Aluminum Soffit Vent.....	13.26	5.09
	08 95 13 00-0004	EA	4" x 16" Under Eave Vent, Mill Finish.....	22.34	6.78
	08 95 13 00-0005	EA	8" x 16" Under Eave Vent, Mill Finish.....	23.26	6.78
<b>08 95 13 00-0006 Vinyl Soffit Vents</b> <small>(08 95 13)</small>					
	08 95 13 00-0007	LF	Up To 2" Vinyl Soffit Vent, Perforated, White.....	6.02	2.45
			<i>For Colors, Add</i>	<i>0.11</i>	
	08 95 13 00-0008	LF	3" To 4" Vinyl Soffit Vent, Perforated, White.....	5.91	2.45
			<i>For Colors, Add</i>	<i>0.10</i>	
<b>08 95 16 Wall Vents</b> <small>(08 95)</small>					
<b>08 95 16 00-0001 Foundation Vents</b> <small>(08 95 16)</small>					
	08 95 16 00-0002	SI	Galvanized Steel Foundation Vent.....	0.49	0.19
	08 95 16 00-0003	SI	Aluminum Foundation Vent.....	0.94	0.19
	08 95 16 00-0004	SI	Stainless Steel Foundation Vent.....	0.87	0.19
	08 95 16 00-0005	SI	Plastic Foundation Vent.....	0.53	0.19

**END OF SECTION 08**

08	<b>08</b>	<b>Openings</b>
	08 90	Louvers and Vents
	08 95	Vents



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 09 Finishes

### 09 01 Maintenance of Finishes (09)

#### 09 01 20 Maintenance of Plaster and Gypsum Board (09 01)

##### 09 01 20 91 Plaster Restoration (09 01 20)

09 01 20 91-0001	SF	Cut And Patch Hole In Gypsum Board To Match Existing <small>(09 01 20 91)</small> Note: Includes cutting of existing gypsum board, cutting new board to fit opening, taping, gypsum board finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.	
09 01 20 91-0002	SF	Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing ..... Note: Per location.	19.96
09 01 20 91-0003	SF	>2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing ..... Note: Per location.	16.10
09 01 20 91-0004	SF	>4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing ..... Note: Per location.	14.45
09 01 20 91-0005	SF	>8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing ..... Note: Per location.	12.73
09 01 20 91-0006	SF	>16 To 32 SF, Cut And Patch Hole In Gypsum Board To Match Existing ..... Note: Per location. See CSI section 09 29 10 00-0001 for "Gypsum Board" repairs > 32 SF.	11.39
09 01 20 91-0007		Patch/Finish Gypsum Board To Match Existing <small>(09 01 20 91)</small> Note: Includes taping, gypsum board finishing. Per location. See CSI section 09 01 20 91-0001 for patching walls requiring gypsum board to be cut and installed.	
09 01 20 91-0008	EA	Tape, Spackle And Finish Gypsum Board To Patch/Finish Small Diameter Holes Or Screw Head Pops ..... <i>For ASTM C840 Level 1 Finish, Deduct</i> ..... <i>For ASTM C840 Level 2 Finish, Deduct</i> ..... <i>For ASTM C840 Level 3 Finish, Deduct</i> ..... <i>For ASTM C840 Level 5 High Quality Finish, Add</i> .....	1.84 -0.89 -0.45 -0.18 1.37
09 01 20 91-0009		Plaster/Stucco Repair <small>(09 01 20 91)</small> Note: Per location.	
09 01 20 91-0010		Clean And Repair Crack In Plaster/Stucco <small>(09 01 20 91-0009)</small> Note: Includes plaster weld.	
09 01 20 91-0011	LF	Up To 10', Chip, Clean And Repair Crack In Plaster/Stucco .....	19.55
09 01 20 91-0012	LF	>10' To 50', Chip, Clean And Repair Crack In Plaster/Stucco .....	15.69
09 01 20 91-0013	LF	>50' To 100', Chip, Clean And Repair Crack In Plaster/Stucco .....	12.79
09 01 20 91-0014	LF	>100' To 250', Chip, Clean And Repair Crack In Plaster/Stucco .....	9.91
09 01 20 91-0015	LF	>250' To 500', Chip, Clean And Repair Crack In Plaster/Stucco .....	7.98
09 01 20 91-0016	LF	>500', Chip, Clean And Repair Crack In Plaster/Stucco .....	6.05
09 01 20 91-0017		Cut And Patch Hole In Plaster/Stucco To Match Existing <small>(09 01 20 91-0009)</small> Note: Includes plaster weld.	
09 01 20 91-0018	SF	Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing .....	18.75
09 01 20 91-0019	SF	>10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing .....	16.60
09 01 20 91-0020	SF	>50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing .....	15.30
09 01 20 91-0021	SF	>100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing .....	14.22
09 01 20 91-0022	SF	>250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing .....	13.28
09 01 20 91-0023	SF	>500 SF, Cut And Patch Hole In Plaster To Match Existing .....	12.24
09 01 20 91-0024		Chip, Clean And Repair Plaster/Stucco <small>(09 01 20 91-0009)</small> Note: Includes plaster weld.	
09 01 20 91-0025	SF	Up To 10 SF, Chip, Clean And Repair Plaster/Stucco .....	35.28
09 01 20 91-0026	SF	>10 To 50 SF, Chip, Clean And Repair Plaster/Stucco .....	25.64
09 01 20 91-0027	SF	>50 To 250 SF, Chip, Clean And Repair Plaster/Stucco .....	18.88
09 01 20 91-0028	SF	>250 SF, Chip, Clean And Repair Plaster/Stucco .....	15.03

#### 09 01 30 Maintenance of Tiling (09 01)

##### 09 01 30 91 Tile Restoration (09 01 30)

09 01 30 91-0001	SF	RegROUT Floor Tile Including Removal Of Loose Grout .....	7.22
09 01 30 91-0002	SF	RegROUT Wall Tile Including Removal Of Loose Grout .....	9.00
09 01 30 91-0003	SF	Up To 1 SF, Cut And Patch Hole In Wall Tile To Match Existing ..... Note: Per location.	48.16

#### 09 01 60 Maintenance of Flooring (09 01)

##### 09 01 60 91 Flooring Restoration (09 01 60)

09 01 60 91-0001	CSF	Grinding, Polishing And Sealing Terrazzo <small>(09 01 60 91)</small>	
09 01 60 91-0002	CSF	Grinding, Polishing And Sealing Existing Terrazzo .....	315.06

**09 Finishes****09 01 Maintenance of Finishes****09 01 60 Maintenance of Flooring**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 60 91-0003 SF Removal Of Setting Bed And Clean Area For Terrazzo Repair .....	4.79	
09 01 60 91-0004 SF Repair Existing Terrazzo.....	22.07	
09 01 60 91-0005 LF Repair Cracks In Existing Terrazzo.....	4.95	
<b>09 01 60 91-0006 Standard Flooring Maintenance (09 01 60 91)</b>		
09 01 60 91-0007 CSF Steam Clean Carpet .....	41.34	
09 01 60 91-0008 CSF Wax And Polish Tile And VCT Flooring .....	46.09	
For Additional Coat, Add	38.77	
For Stripping Existing Wax From Floor, Add	44.29	
09 01 60 91-0009 CSF Wax And Polish Wood Flooring .....	29.02	
For Additional Coat, Add	25.77	
For Stripping Existing Wax From Floor, Add	44.29	
09 01 60 91-0010 MSF Vacuum Floors.....	22.67	
<b>09 01 60 91-0011 Prepare Existing Concrete Floor Prior To Installation Of Flooring (09 01 60 91)</b>		
09 01 60 91-0012 SY Grinding Of Existing Concrete Floor Prior To Installation Of Flooring.....	8.73	
Note: Up to 1/8" of material per pass		
09 01 60 91-0013 LF Up To 6" Wide, Hand Detail Work/Grinding At Wall Of Existing Concrete Floor Prior To Installation Of Flooring.....	17.05	
Note: Up to 1/4" of material per pass		
09 01 60 91-0014 SY Chemical Prepare Existing Concrete Floor Prior To Installation Of Flooring.....	7.26	
<b>09 01 60 91-0015 Floor Sealants (09 01 60 91)</b>		
09 01 60 91-0016 SF Water-Based Emulsion, Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat.....	1.28	
Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.		
09 01 60 91-0017 SF Water-Based, Clear Acrylic, Concrete Floor Sealant/Finish, Per Coat.....	1.44	
Note: For interior/exterior concrete surfaces.		
09 01 60 91-0018 SF Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant .....	1.39	
09 01 60 91-0019 GAL Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner).....	44.11	
<b>09 01 80 Maintenance of Acoustic Treatment (09 01)</b>		
<b>09 01 80 00-0001 Removal Of Acoustical Ceiling Treatment (09 01 80)</b>		
09 01 80 00-0002 SF Removal Of Acoustical And Popcorn Ceilings Treatment.....	2.46	
<b>09 01 90 Maintenance of Painting and Coating (09 01)</b>		
<b>09 01 90 52 Maintenance Repainting (09 01 90)</b>		
<b>09 01 90 52-0001 Cleaning And Preparation Of Painted And Unpainted Surfaces (09 01 90 52)</b>		
Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Sand blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment.		
<b>09 01 90 52-0002 Concrete And Masonry Surfaces, Surface Preparation (09 01 90 52-0001)</b>		
09 01 90 52-0003 SF Trisodium Phosphate (TSP), Clean Concrete Or Masonry Surfaces, Surface Preparation .....	0.43	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.09	
09 01 90 52-0004 SF Calcimine Removal/Washing, Concrete And Masonry Surfaces, Surface Preparation.....	0.45	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.09	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.09	
09 01 90 52-0005 SF Chemical Clean, Brush And Wash, Concrete And Masonry Surfaces, Surface Preparation .....	0.71	
For Up To 100, Add	1.08	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.14	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.10	
For >30,000, Deduct	-0.13	
09 01 90 52-0006 SF Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation.....	0.57	
For Up To 100, Add	1.14	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.14	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.09	
For >30,000, Deduct	-0.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0007 SF Steam Clean, Concrete And Masonry Surfaces, Surface Preparation.....	0.76	
For Up To 100, Add	1.22	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.15	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.07	
For >15,000 To 30,000, Deduct	-0.11	
For >30,000, Deduct	-0.14	
09 01 90 52-0008 SF Up To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation .....	0.50	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.09	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.07	
For >30,000, Deduct	-0.09	
09 01 90 52-0009 SF 10,000 To 12,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation .....	1.37	
For Up To 100, Add	2.34	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.29	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 15,000, Deduct	-0.13	
For >15,000 To 30,000, Deduct	-0.20	
For >30,000, Deduct	-0.26	
09 01 90 52-0010 SF 30,000 To 40,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation .....	2.24	
For Up To 100, Add	4.08	
For >100 To 250, Add	1.02	
For >250 To 500, Add	0.51	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 15,000, Deduct	-0.22	
For >15,000 To 30,000, Deduct	-0.33	
For >30,000, Deduct	-0.44	
09 01 90 52-0011 SF Sand Blasting, Concrete And Masonry Surfaces, Surface Preparation .....	3.40	
Note: 3 lbs of sand per SF		
For 4.5 lbs Of Sand per SF, Where Multiple Pass Is Required, Add	1.98	
For 6 lbs Of Sand per SF, Where Multiple Pass Is Required, Add	4.09	
For 9 lbs Of Sand per SF, Where Multiple Pass Is Required, Add	6.80	
For Up To 100, Add	5.52	
For >100 To 250, Add	1.38	
For >250 To 500, Add	0.69	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 15,000, Deduct	-0.31	
For >15,000 To 30,000, Deduct	-0.49	
For >30,000, Deduct	-0.65	
<b>09 01 90 52-0012 Drywall Surfaces, Surface Preparation</b> (09 01 90 52-0001)		
See CSI section 09 01 20 91-0007 for Patch holes other than nail/screw holes and greater than 1/2" diameter.		
09 01 90 52-0013 SF Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping), Surface Preparation .....	0.33	
For Up To 100, Add	0.66	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
09 01 90 52-0014 SF Hand Wash, Minor Repair And Light Sanding Drywall Surfaces, Surface Preparation.....	0.55	
For Up To 100, Add	1.10	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.14	
09 01 90 52-0015 SF Scrape, Repair And Sand Severely Damaged Drywall Surfaces, Surface Preparation .....	1.04	
For Up To 100, Add	1.94	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.24	
<b>09 01 90 52-0016 Metal Surfaces, Surface Preparation</b> (09 01 90 52-0001)		
09 01 90 52-0017 SF Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation.....	0.41	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.08	
09 01 90 52-0018 SF Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation .....	0.71	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.10	
For >30,000, Deduct	-0.13	

**09 Finishes****09 01 Maintenance of Finishes****09 01 90 Maintenance of Painting and Coating**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0019	SF		Hand Scraping And Sanding, Metal Surfaces, Surface Preparation .....	0.57	
			For Up To 100, Add	0.43	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.09	
			For >30,000, Deduct	-0.11	
09 01 90 52-0020	SF		Up To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation .....	0.47	
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.07	
			For >30,000, Deduct	-0.09	
09 01 90 52-0021	SF		Power Tool Cleaning, Metal Surfaces, Surface Preparation .....	1.18	
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 15,000, Deduct	-0.12	
			For >15,000 To 30,000, Deduct	-0.18	
			For >30,000, Deduct	-0.24	
09 01 90 52-0022	SF		Steam Cleaning, Metal Surfaces, Surface Preparation.....	0.48	
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.07	
			For >30,000, Deduct	-0.09	
09 01 90 52-0023	SF		Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation .....	1.04	
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 15,000, Deduct	-0.10	
			For >15,000 To 30,000, Deduct	-0.15	
			For >30,000, Deduct	-0.20	
09 01 90 52-0024	SF		Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation .....	1.42	
			For Up To 100, Add	0.84	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 15,000, Deduct	-0.13	
			For >15,000 To 30,000, Deduct	-0.20	
			For >30,000, Deduct	-0.27	
09 01 90 52-0025	SF		Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation .....	2.08	
			For Up To 100, Add	1.26	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.25	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 15,000, Deduct	-0.19	
			For >15,000 To 30,000, Deduct	-0.30	
			For >30,000, Deduct	-0.40	
09 01 90 52-0026	SF		Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation.....	3.46	
			For Up To 100, Add	2.09	
			For >100 To 250, Add	0.98	
			For >250 To 500, Add	0.42	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 15,000, Deduct	-0.32	
			For >15,000 To 30,000, Deduct	-0.50	
			For >30,000, Deduct	-0.66	
09 01 90 52-0027	SF		Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation .....	2.65	
			For Up To 100, Add	1.58	
			For >100 To 250, Add	0.74	
			For >250 To 500, Add	0.32	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 15,000, Deduct	-0.24	
			For >15,000 To 30,000, Deduct	-0.38	
			For >30,000, Deduct	-0.50	
09 01 90 52-0028	SF		Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation .....	3.28	
			For Up To 100, Add	1.94	
			For >100 To 250, Add	0.90	
			For >250 To 500, Add	0.39	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 15,000, Deduct	-0.30	
			For >15,000 To 30,000, Deduct	-0.47	
			For >30,000, Deduct	-0.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0029 SF Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation.....	4.24	
<i>For Up To 100, Add</i>	2.51	
<i>For &gt;100 To 250, Add</i>	1.17	
<i>For &gt;250 To 500, Add</i>	0.50	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.19	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.39	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.61	
<i>For &gt;30,000, Deduct</i>	-0.80	
09 01 90 52-0030 SF Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation.....	5.31	
<i>For Up To 100, Add</i>	3.14	
<i>For &gt;100 To 250, Add</i>	1.47	
<i>For &gt;250 To 500, Add</i>	0.63	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.24	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.49	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.76	
<i>For &gt;30,000, Deduct</i>	-1.01	
<b>09 01 90 52-0031 Tile Surfaces, Surface Preparation (09 01 90 52-0001)</b>		
09 01 90 52-0032 SF Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation.....	0.37	
<i>For Up To 100, Add</i>	0.26	
<i>For &gt;100 To 250, Add</i>	0.12	
<i>For &gt;250 To 500, Add</i>	0.05	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.04	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.05	
<i>For &gt;30,000, Deduct</i>	-0.07	
09 01 90 52-0033 CSF Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation .....	36.61	
<i>For Up To 100, Add</i>	27.20	
<i>For &gt;100 To 250, Add</i>	12.69	
<i>For &gt;250 To 500, Add</i>	5.44	
<i>For &gt;5,000 To 10,000, Deduct</i>	-1.82	
<i>For &gt;10,000 To 15,000, Deduct</i>	-3.65	
<i>For &gt;15,000 To 30,000, Deduct</i>	-5.48	
<i>For &gt;30,000, Deduct</i>	-7.30	
09 01 90 52-0034 SF Up To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation .....	0.34	
<i>For Up To 100, Add</i>	0.20	
<i>For &gt;100 To 250, Add</i>	0.09	
<i>For &gt;250 To 500, Add</i>	0.04	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.03	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.05	
<i>For &gt;30,000, Deduct</i>	-0.06	
<b>09 01 90 52-0035 Wood Surfaces, Surface Preparation (09 01 90 52-0001)</b>		
09 01 90 52-0036 SF Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening.....	1.44	
<i>For Up To 100, Add</i>	1.02	
<i>For &gt;100 To 250, Add</i>	0.48	
<i>For &gt;250 To 500, Add</i>	0.20	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.14	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.21	
<i>For &gt;30,000, Deduct</i>	-0.28	
09 01 90 52-0037 SF Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation.....	0.39	
<i>For Up To 100, Add</i>	0.28	
<i>For &gt;100 To 250, Add</i>	0.13	
<i>For &gt;250 To 500, Add</i>	0.06	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.04	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.06	
<i>For &gt;30,000, Deduct</i>	-0.08	
09 01 90 52-0038 SF Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation .....	0.60	
<i>For Up To 100, Add</i>	0.32	
<i>For &gt;100 To 250, Add</i>	0.15	
<i>For &gt;250 To 500, Add</i>	0.06	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.05	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.08	
<i>For &gt;30,000, Deduct</i>	-0.11	
09 01 90 52-0039 SF Hand Scrape Wood Surfaces, Surface Preparation.....	0.76	
<i>For Up To 100, Add</i>	0.57	
<i>For &gt;100 To 250, Add</i>	0.27	
<i>For &gt;250 To 500, Add</i>	0.11	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.04	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.08	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.11	
<i>For &gt;30,000, Deduct</i>	-0.15	
09 01 90 52-0040 SF Steam Clean Wood Surfaces, Surface Preparation.....	0.74	
<i>For Up To 100, Add</i>	0.44	
<i>For &gt;100 To 250, Add</i>	0.21	
<i>For &gt;250 To 500, Add</i>	0.09	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.07	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.11	
<i>For &gt;30,000, Deduct</i>	-0.14	

**09 Finishes****09 01 Maintenance of Finishes****09 01 90 Maintenance of Painting and Coating**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0041 SF Up To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation.....	0.51	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.05	
For >15,000 To 30,000, Deduct	-0.07	
For >30,000, Deduct	-0.10	
09 01 90 52-0042 SF Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation.....	0.78	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.07	
For >15,000 To 30,000, Deduct	-0.11	
For >30,000, Deduct	-0.15	
09 01 90 52-0043 SF Sanding Wood Trim Surfaces, Surface Preparation .....	1.05	
For Up To 100, Add	0.73	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 15,000, Deduct	-0.10	
For >15,000 To 30,000, Deduct	-0.16	
For >30,000, Deduct	-0.21	
09 01 90 52-0044 SF Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	0.70	
For Up To 100, Add	0.43	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.10	
For >30,000, Deduct	-0.13	
09 01 90 52-0045 SF Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	0.81	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.08	
For >15,000 To 30,000, Deduct	-0.12	
For >30,000, Deduct	-0.16	
<b>09 01 90 52-0046 Vinyl Siding Surfaces, Surface Preparation (09 01 90 52-0001)</b>		
09 01 90 52-0047 SF Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation.....	0.37	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.07	
09 01 90 52-0048 SF Hand Wash, Vinyl Siding Surfaces, Surface Preparation.....	0.59	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.09	
For >30,000, Deduct	-0.12	
09 01 90 52-0049 SF Up To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation .....	0.42	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.08	
09 01 90 52-0050 SF Steam Clean, Vinyl Siding Surfaces, Surface Preparation.....	0.79	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.07	
For >15,000 To 30,000, Deduct	-0.11	
For >30,000, Deduct	-0.15	

**09 01 90 52-0051 Plaster/Stucco Surfaces, Surface Preparation (09 01 90 52-0001)**

Note: Based on total project quantity.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0052 SF Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation .....	0.43	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.09	
09 01 90 52-0053 SF Up To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation.....	0.55	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.05	
For >15,000 To 30,000, Deduct	-0.08	
For >30,000, Deduct	-0.10	

<b>09 01 90 52-0054</b>	<b>Prep Work</b> <small>(09 01 90 52-0001)</small>	
09 01 90 52-0055 SF Citrus Strip, Single Applications.....	1.05	
Note: For removal of up to 40 mils each application (average 5 layers at 8 mils per layer) dried latex and oil-based paint, varnish, lacquer, polyurethane and shellac from wood, metal, and masonry surfaces. Multiple applications may be necessary, refer to manufacturer recommendations		

**09 01 90 61 Repainting** (09 01 90)

09 01 90 61-0001	Touchup and "Spot" Painting Of Surfaces <small>(09 01 90 61)</small>	
Note: For use on individual areas less than 10 SF.		
09 01 90 61-0002 SF "Spot" Paint Drywall, Plaster, Wood And Concrete Surfaces, Per Coat .....	1.32	

**09 01 90 91 Paint Restoration** (09 01 90)

09 01 90 91-0001	Paint Removal, Strip To Bare Wood <small>(09 01 90 91)</small>	
09 01 90 91-0002 SF Flat Surfaces, Paint Removal, Strip To Bare Wood .....	6.66	
09 01 90 91-0003 SF Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood.....	7.09	

**09 05 Common Work Results for Finishes** (09)

**09 05 61 Common Work Results for Flooring Preparation** (09 05)

**09 05 61 13 Moisture Vapor Emission Control** (09 05 61)

09 05 61 13-0001	Moisture Vapor Reduction System (Koester VAP) <small>(09 05 61 13)</small>	
09 05 61 13-0002 EA Up To 200 SF, Water Vapor Emission Control System (Koester VAP 1-2000) .....	2,906.20	
Note: Clear		
09 05 61 13-0003 SF >200 To 500 SF, Water Vapor Emission Control System (Koester VAP 1-2001) .....	15.38	
Note: Clear		
09 05 61 13-0004 SF >500 To 1,000 SF, Water Vapor Emission Control System (Koester VAP 1-2002) .....	10.25	
Note: Clear		
09 05 61 13-0005 SF >1,000 To 3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2003) .....	8.55	
Note: Clear		
09 05 61 13-0006 SF >3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2004) .....	6.84	
Note: Clear		
09 05 61 13-0007	Moisture Vapor Transmission Control (Dependable Cutdown® II) <small>(09 05 61 13)</small>	
09 05 61 13-0008 SF 8# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II) .....	4.57	
09 05 61 13-0009 SF 15# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II) .....	6.32	

**09 05 71 Acoustic Underlayment** (09 05)

09 05 71 00-0001	Tile And Stone Acoustical Underlayment <small>(09 05 71)</small>	
09 05 71 00-0002 SF 5 Mil Tile And Stone Acoustical Underlayment (EasyMat) .....	4.26	
For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add		
	0.48	
09 05 71 00-0003	Resilient Floor Acoustical Underlayment <small>(09 05 71)</small>	
09 05 71 00-0004 SF Vinyl, Linoleum, LVT And Vinyl Strip Flooring Acoustical Underlayment (Impacta, Soundseal VC300) .....	3.20	
09 05 71 00-0005 SF 2 MM Thick Resilient Plank Floor Acoustical Underlayment (Floormuffler) .....	1.80	
09 05 71 00-0006 SF 0.055" Thick High Density Polyurethane Foam Floor Acoustical Underlayment (Silencer LVT) .....	2.26	

**09 20 Plaster and Gypsum Board** (09)

**09 22 Supports for Plaster and Gypsum Board** (09 20)

Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.

**09 22 13 Metal Furring** (09 22)



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

**09 22 13 13 Metal Channel Furring** (09 22 13)

09 22 13 13-0001	Hat Furring Channel (09 22 13 13)		
	Note: Includes clips where required.		
09 22 13 13-0002	Installed On Walls, Hat Furring Channel (09 22 13 13-0001)		
09 22 13 13-0003	SF 7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel .....	4.51	1.68
	For Walls >10' High, Add	0.50	
	For 24" On Center, Deduct	-0.57	
	For 12" On Center, Add	0.73	
	For 22 Gauge, Add	0.58	
	For 20 Gauge, Add	1.27	
09 22 13 13-0004	SF 1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel .....	4.97	1.68
	For Walls >10' High, Add	0.50	
	For 24" On Center, Deduct	-0.66	
	For 12" On Center, Add	0.83	
	For 22 Gauge, Add	0.81	
	For 20 Gauge, Add	1.57	
09 22 13 13-0005	Installed On Columns And Beams, Hat Furring Channel (09 22 13 13-0001)		
09 22 13 13-0006	SF 7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel .....	6.32	2.57
	For Columns And Beams >10' High, Add	1.03	
	For 24" On Center, Deduct	-0.75	
	For 12" On Center, Add	1.01	
	For 22 Gauge, Add	0.58	
	For 20 Gauge, Add	1.54	
09 22 13 13-0007	SF 1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel .....	6.79	2.57
	For Columns And Beams >10' High, Add	1.03	
	For 24" On Center, Deduct	-0.84	
	For 12" On Center, Add	1.10	
	For 22 Gauge, Add	0.82	
	For 20 Gauge, Add	1.85	
09 22 13 13-0008	Installed On Ceilings, Hat Furring Channel (09 22 13 13-0001)		
09 22 13 13-0009	SF 7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel .....	6.05	2.06
	For Ceilings >10' High, Add	0.62	
	For 24" On Center, Deduct	-0.80	
	For 12" On Center, Add	1.00	
	For 22 Gauge, Add	0.97	
	For 20 Gauge, Add	1.89	
09 22 13 13-0010	SF 1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel .....	6.51	2.06
	For Ceilings >10' High, Add	0.62	
	For 24" On Center, Deduct	-0.89	
	For 12" On Center, Add	1.10	
	For 22 Gauge, Add	1.20	
	For 20 Gauge, Add	2.20	
09 22 13 13-0011	Z Furring Channel (09 22 13 13)		
09 22 13 13-0012	Installed On Walls, Z Furring Channel (09 22 13 13-0011)		
09 22 13 13-0013	SF 1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	3.65	1.68
	For Walls >10' High, Add	0.50	
	For 24" On Center, Deduct	-0.40	
	For 12" On Center, Add	0.56	
	For 22 Gauge, Add	0.15	
	For 20 Gauge, Add	0.70	
09 22 13 13-0014	SF 1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	3.71	1.68
	For Walls >10' High, Add	0.50	
	For 24" On Center, Deduct	-0.41	
	For 12" On Center, Add	0.57	
	For 22 Gauge, Add	0.18	
	For 20 Gauge, Add	0.74	
09 22 13 13-0015	SF 2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	3.77	1.68
	For Walls >10' High, Add	0.50	
	For 24" On Center, Deduct	-0.42	
	For 12" On Center, Add	0.59	
	For 22 Gauge, Add	0.21	
	For 20 Gauge, Add	0.78	
09 22 13 13-0016	SF 2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	3.81	1.68
	For Walls >10' High, Add	0.50	
	For 24" On Center, Deduct	-0.43	
	For 12" On Center, Add	0.59	
	For 22 Gauge, Add	0.23	
	For 20 Gauge, Add	0.81	
09 22 13 13-0017	SF 3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	3.85	1.68
	For Walls >10' High, Add	0.50	
	For 24" On Center, Deduct	-0.44	
	For 12" On Center, Add	0.60	
	For 22 Gauge, Add	0.25	
	For 20 Gauge, Add	0.83	





<b>Finishes</b>	<b>09</b>	<b>CSU</b>
Plaster and Gypsum Board	09 20	
Supports for Plaster and Gypsum Board	09 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 22 13 23 Resilient Channel Furring</b> <small>(09 22 13)</small>		
09 22 13 23-0001 Single-Leg Resilient Channel, RC1 Furring Channel <small>(09 22 13 23)</small> Note: Includes clips where required.		
09 22 13 23-0002 Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel <small>(09 22 13 23-0001)</small>		
09 22 13 23-0003 SF 25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel.....	4.00	1.68
For Walls >10' High, Add	0.50	
For 24" On Center, Deduct	-0.47	
For 12" On Center, Add	0.63	
For 20 Gauge, Add	0.93	
09 22 13 23-0004 Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel <small>(09 22 13 23-0001)</small>		
09 22 13 23-0005 SF 25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel.....	4.77	2.06
For Ceilings >10' High, Add	0.62	
For 24" On Center, Deduct	-0.54	
For 12" On Center, Add	0.75	
For 20 Gauge, Add	1.05	
09 22 13 23-0006 Double-Leg Resilient Channel, RC2 Furring Channel <small>(09 22 13 23)</small> Note: Includes clips where required.		
09 22 13 23-0007 Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel <small>(09 22 13 23-0006)</small>		
09 22 13 23-0008 SF 25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel .....	4.24	1.68
For Walls >10' High, Add	0.50	
For 24" On Center, Deduct	-0.51	
For 12" On Center, Add	0.68	
For 20 Gauge, Add	1.09	
09 22 13 23-0009 Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel <small>(09 22 13 23-0006)</small>		
09 22 13 23-0010 SF 25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel .....	5.01	2.06
For Ceilings >10' High, Add	0.62	
For 24" On Center, Deduct	-0.59	
For 12" On Center, Add	0.80	
For 20 Gauge, Add	1.21	
<b>09 22 16 Non-Structural Metal Framing</b> <small>(09 22)</small> Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.		
<b>09 22 16 13 Non-Structural Metal Stud Framing</b> <small>(09 22 16)</small>		
09 22 16 13-0001 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners <small>(09 22 16 13)</small>		
09 22 16 13-0002 SF 1-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners .....	3.00	0.70
For Powder-Actuated Fasteners Every 2', Add	0.05	
For Walls >10' High, Add	0.60	
For Soffit, Columns Or Beams Up To 10' High, Add	1.69	
For Soffit, Columns Or Beams >10' High, Add	2.21	
For Horizontal Installation Up To 10' High, Add	0.56	
For Horizontal Installation >10' High, Add	0.74	
For Curved Wall, Add	0.52	
For 12" On Center, Add	0.51	
For 24" On Center, Deduct	-0.51	
For Up To 100, Add	0.95	
For >100 To 300, Add	0.47	
For >1,000, Deduct	-0.28	
09 22 16 13-0003 SF 2-1/2" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners .....	3.24	0.73
For Powder-Actuated Fasteners Every 2', Add	0.05	
For Walls >10' High, Add	0.65	
For Soffit, Columns Or Beams Up To 10' High, Add	1.79	
For Soffit, Columns Or Beams >10' High, Add	2.34	
For Horizontal Installation Up To 10' High, Add	0.60	
For Horizontal Installation >10' High, Add	0.78	
For Curved Wall, Add	0.55	
For 12" On Center, Add	0.56	
For 24" On Center, Deduct	-0.56	
For Up To 100, Add	1.01	
For >100 To 300, Add	0.51	
For >1,000, Deduct	-0.30	

**09 Finishes**  
**09 20 Plaster and Gypsum Board**  
**09 22 Supports for Plaster and Gypsum Board**



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 22 16 13-0004	SF	3-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....		3.55	0.76
		<i>For Powder-Actuated Fasteners Every 2', Add</i>		0.05	
		<i>For Walls &gt;10' High, Add</i>		0.71	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>		1.89	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>		2.47	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.64	
		<i>For Horizontal Installation &gt;10' High, Add</i>		0.84	
		<i>For Curved Wall, Add</i>		0.58	
		<i>For 12" On Center, Add</i>		0.61	
		<i>For 24" On Center, Deduct</i>		-0.61	
		<i>For Up To 100, Add</i>		1.09	
		<i>For &gt;100 To 300, Add</i>		0.55	
		<i>For &gt;1,000, Deduct</i>		-0.34	
09 22 16 13-0005	SF	4" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....		3.80	0.80
		<i>For Powder-Actuated Fasteners Every 2', Add</i>		0.05	
		<i>For Walls &gt;10' High, Add</i>		0.76	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>		1.99	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>		2.59	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.68	
		<i>For Horizontal Installation &gt;10' High, Add</i>		0.88	
		<i>For Curved Wall, Add</i>		0.60	
		<i>For 12" On Center, Add</i>		0.66	
		<i>For 24" On Center, Deduct</i>		-0.66	
		<i>For Up To 100, Add</i>		1.16	
		<i>For &gt;100 To 300, Add</i>		0.58	
		<i>For &gt;1,000, Deduct</i>		-0.37	
09 22 16 13-0006	SF	6" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....		4.31	0.84
		<i>For Powder-Actuated Fasteners Every 2', Add</i>		0.05	
		<i>For Walls &gt;10' High, Add</i>		0.86	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>		2.12	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>		2.75	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.75	
		<i>For Horizontal Installation &gt;10' High, Add</i>		0.96	
		<i>For Curved Wall, Add</i>		0.63	
		<i>For 12" On Center, Add</i>		0.76	
		<i>For 24" On Center, Deduct</i>		-0.76	
		<i>For Up To 100, Add</i>		1.28	
		<i>For &gt;100 To 300, Add</i>		0.64	
		<i>For &gt;1,000, Deduct</i>		-0.44	
09 22 16 13-0007		<b>20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners</b> <small>(09 22 16 13)</small>			
09 22 16 13-0008	SF	1-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....		3.47	0.71
		<i>For Powder-Actuated Fasteners Every 2', Add</i>		0.05	
		<i>For Walls &gt;10' High, Add</i>		0.69	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>		1.77	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>		2.31	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.61	
		<i>For Horizontal Installation &gt;10' High, Add</i>		0.79	
		<i>For Curved Wall, Add</i>		0.53	
		<i>For 12" On Center, Add</i>		0.61	
		<i>For 24" On Center, Deduct</i>		-0.61	
		<i>For Up To 100, Add</i>		1.05	
		<i>For &gt;100 To 300, Add</i>		0.53	
		<i>For &gt;1,000, Deduct</i>		-0.34	
09 22 16 13-0009	SF	2-1/2" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....		3.86	0.75
		<i>For Powder-Actuated Fasteners Every 2', Add</i>		0.05	
		<i>For Walls &gt;10' High, Add</i>		0.77	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>		1.89	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>		2.45	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.67	
		<i>For Horizontal Installation &gt;10' High, Add</i>		0.86	
		<i>For Curved Wall, Add</i>		0.56	
		<i>For 12" On Center, Add</i>		0.68	
		<i>For 24" On Center, Deduct</i>		-0.68	
		<i>For Up To 100, Add</i>		1.15	
		<i>For &gt;100 To 300, Add</i>		0.57	
		<i>For &gt;1,000, Deduct</i>		-0.39	



<b>Finishes</b>	<b>09</b>	<b>CSU</b>
Plaster and Gypsum Board	09 20	
Supports for Plaster and Gypsum Board	09 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0010 SF 3-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.32	0.78
For Powder-Actuated Fasteners Every 2', Add	0.05	
For Walls >10' High, Add	0.86	
For Soffit, Columns Or Beams Up To 10' High, Add	2.01	
For Soffit, Columns Or Beams >10' High, Add	2.60	
For Horizontal Installation Up To 10' High, Add	0.73	
For Horizontal Installation >10' High, Add	0.92	
For Curved Wall, Add	0.59	
For 12" On Center, Add	0.77	
For 24" On Center, Deduct	-0.77	
For Up To 100, Add	1.26	
For >100 To 300, Add	0.63	
For >1,000, Deduct	-0.45	
09 22 16 13-0011 SF 4" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Structural, Galvanized Steel Framing With Tracks And Runners.....	4.61	0.82
For Powder-Actuated Fasteners Every 2', Add	0.05	
For Walls >10' High, Add	0.92	
For Soffit, Columns Or Beams Up To 10' High, Add	2.11	
For Soffit, Columns Or Beams >10' High, Add	2.73	
For Horizontal Installation Up To 10' High, Add	0.77	
For Horizontal Installation >10' High, Add	0.98	
For Curved Wall, Add	0.62	
For 12" On Center, Add	0.82	
For 24" On Center, Deduct	-0.82	
For Up To 100, Add	1.33	
For >100 To 300, Add	0.67	
For >1,000, Deduct	-0.49	
09 22 16 13-0012 SF 6" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.74	0.86
For Powder-Actuated Fasteners Every 2', Add	0.05	
For Walls >10' High, Add	1.35	
For Soffit, Columns Or Beams Up To 10' High, Add	2.40	
For Soffit, Columns Or Beams >10' High, Add	3.05	
For Horizontal Installation Up To 10' High, Add	1.00	
For Horizontal Installation >10' High, Add	1.21	
For Curved Wall, Add	0.65	
For 12" On Center, Add	1.24	
For 24" On Center, Deduct	-1.24	
For Up To 100, Add	1.78	
For >100 To 300, Add	0.89	
For >1,000, Deduct	-0.80	
<b>09 22 16 13-0013 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners</b> (09 22 16 13)		
09 22 16 13-0014 SF 2-1/2" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	5.64	0.76
For Powder-Actuated Fasteners Every 2', Add	0.05	
For Walls >10' High, Add	1.13	
For Soffit, Columns Or Beams Up To 10' High, Add	2.10	
For Soffit, Columns Or Beams >10' High, Add	2.68	
For Horizontal Installation Up To 10' High, Add	0.85	
For Horizontal Installation >10' High, Add	1.04	
For Curved Wall, Add	0.58	
For 12" On Center, Add	1.03	
For 24" On Center, Deduct	-1.03	
For Up To 100, Add	1.51	
For >100 To 300, Add	0.76	
For >1,000, Deduct	-0.65	
09 22 16 13-0015 SF 3-5/8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.29	0.80
For Powder-Actuated Fasteners Every 2', Add	0.05	
For Walls >10' High, Add	1.26	
For Soffit, Columns Or Beams Up To 10' High, Add	2.25	
For Soffit, Columns Or Beams >10' High, Add	2.85	
For Horizontal Installation Up To 10' High, Add	0.93	
For Horizontal Installation >10' High, Add	1.13	
For Curved Wall, Add	0.61	
For 12" On Center, Add	1.16	
For 24" On Center, Deduct	-1.16	
For Up To 100, Add	1.66	
For >100 To 300, Add	0.83	
For >1,000, Deduct	-0.74	

**09 Finishes**

**09 20 Plaster and Gypsum Board**

**09 22 Supports for Plaster and Gypsum Board**



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 22 16 13-0016	SF	4" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....		6.77	0.84
		<i>For Powder-Actuated Fasteners Every 2', Add</i>		0.05	
		<i>For Walls &gt;10' High, Add</i>		1.35	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>		2.37	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>		3.00	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.99	
		<i>For Horizontal Installation &gt;10' High, Add</i>		1.20	
		<i>For Curved Wall, Add</i>		0.63	
		<i>For 12" On Center, Add</i>		1.25	
		<i>For 24" On Center, Deduct</i>		-1.25	
		<i>For Up To 100, Add</i>		1.78	
		<i>For &gt;100 To 300, Add</i>		0.89	
		<i>For &gt;1,000, Deduct</i>		-0.80	
09 22 16 13-0017	SF	6" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....		9.10	0.88
		<i>For Powder-Actuated Fasteners Every 2', Add</i>		0.05	
		<i>For Walls &gt;10' High, Add</i>		1.82	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>		2.69	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>		3.36	
		<i>For Horizontal Installation Up To 10' High, Add</i>		1.24	
		<i>For Horizontal Installation &gt;10' High, Add</i>		1.47	
		<i>For Curved Wall, Add</i>		0.67	
		<i>For 12" On Center, Add</i>		1.71	
		<i>For 24" On Center, Deduct</i>		-1.71	
		<i>For Up To 100, Add</i>		2.27	
		<i>For &gt;100 To 300, Add</i>		1.13	
		<i>For &gt;1,000, Deduct</i>		-1.14	
09 22 16 13-0018	SF	8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....		9.94	0.94
		<i>For Powder-Actuated Fasteners Every 2', Add</i>		0.05	
		<i>For Walls &gt;10' High, Add</i>		1.99	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>		2.86	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>		3.56	
		<i>For Horizontal Installation Up To 10' High, Add</i>		1.34	
		<i>For Horizontal Installation &gt;10' High, Add</i>		1.58	
		<i>For Curved Wall, Add</i>		0.70	
		<i>For 12" On Center, Add</i>		1.87	
		<i>For 24" On Center, Deduct</i>		-1.87	
		<i>For Up To 100, Add</i>		2.45	
		<i>For &gt;100 To 300, Add</i>		1.23	
		<i>For &gt;1,000, Deduct</i>		-1.26	
09 22 16 13-0019		<b>16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners</b> <small>(09 22 16 13)</small>			
09 22 16 13-0020	SF	2-1/2" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....		6.03	0.78
		<i>For Powder-Actuated Fasteners Every 2', Add</i>		0.05	
		<i>For Walls &gt;10' High, Add</i>		1.21	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>		2.18	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>		2.77	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.90	
		<i>For Horizontal Installation &gt;10' High, Add</i>		1.10	
		<i>For Curved Wall, Add</i>		0.59	
		<i>For 12" On Center, Add</i>		1.11	
		<i>For 24" On Center, Deduct</i>		-1.11	
		<i>For Up To 100, Add</i>		1.60	
		<i>For &gt;100 To 300, Add</i>		0.80	
		<i>For &gt;1,000, Deduct</i>		-0.71	
09 22 16 13-0021	SF	3-5/8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....		7.21	0.82
		<i>For Powder-Actuated Fasteners Every 2', Add</i>		0.05	
		<i>For Walls &gt;10' High, Add</i>		1.44	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>		2.37	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>		2.99	
		<i>For Horizontal Installation Up To 10' High, Add</i>		1.03	
		<i>For Horizontal Installation &gt;10' High, Add</i>		1.24	
		<i>For Curved Wall, Add</i>		0.62	
		<i>For 12" On Center, Add</i>		1.34	
		<i>For 24" On Center, Deduct</i>		-1.34	
		<i>For Up To 100, Add</i>		1.85	
		<i>For &gt;100 To 300, Add</i>		0.93	
		<i>For &gt;1,000, Deduct</i>		-0.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0022 SF 4" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	7.63	0.86
<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
<i>For Walls &gt;10' High, Add</i>	1.53	
<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.49	
<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.14	
<i>For Horizontal Installation Up To 10' High, Add</i>	1.09	
<i>For Horizontal Installation &gt;10' High, Add</i>	1.30	
<i>For Curved Wall, Add</i>	0.65	
<i>For 12" On Center, Add</i>	1.42	
<i>For 24" On Center, Deduct</i>	-1.42	
<i>For Up To 100, Add</i>	1.96	
<i>For &gt;100 To 300, Add</i>	0.98	
<i>For &gt;1,000, Deduct</i>	-0.93	
09 22 16 13-0023 SF 6" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	9.87	0.91
<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
<i>For Walls &gt;10' High, Add</i>	1.97	
<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.81	
<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.50	
<i>For Horizontal Installation Up To 10' High, Add</i>	1.33	
<i>For Horizontal Installation &gt;10' High, Add</i>	1.56	
<i>For Curved Wall, Add</i>	0.68	
<i>For 12" On Center, Add</i>	1.86	
<i>For 24" On Center, Deduct</i>	-1.86	
<i>For Up To 100, Add</i>	2.43	
<i>For &gt;100 To 300, Add</i>	1.22	
<i>For &gt;1,000, Deduct</i>	-1.25	
09 22 16 13-0024 SF 8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	10.92	0.96
<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
<i>For Walls &gt;10' High, Add</i>	2.18	
<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	3.00	
<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.72	
<i>For Horizontal Installation Up To 10' High, Add</i>	1.45	
<i>For Horizontal Installation &gt;10' High, Add</i>	1.69	
<i>For Curved Wall, Add</i>	0.72	
<i>For 12" On Center, Add</i>	2.06	
<i>For 24" On Center, Deduct</i>	-2.06	
<i>For Up To 100, Add</i>	2.66	
<i>For &gt;100 To 300, Add</i>	1.33	
<i>For &gt;1,000, Deduct</i>	-1.40	
<b>09 22 16 13-0025 Galvanized Steel Backing Plates</b> <small>(09 22 16 13)</small>		
<i>Note: Used to attach fixtures, cabinets, shelves or handrails to metal stud walls.</i>		
09 22 16 13-0026 LF 3" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.44	
09 22 16 13-0027 LF 4" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.76	
09 22 16 13-0028 LF 6" Wide, 25 Gauge Galvanized Steel Backing Plate.....	2.28	
09 22 16 13-0029 LF 8" Wide, 25 Gauge Galvanized Steel Backing Plate.....	2.80	
09 22 16 13-0030 LF 10" Wide, 25 Gauge Galvanized Steel Backing Plate.....	3.31	
09 22 16 13-0031 LF 12" Wide, 25 Gauge Galvanized Steel Backing Plate.....	3.95	
09 22 16 13-0032 LF 3" Wide, 20 Gauge Galvanized Steel Backing Plate.....	1.86	
09 22 16 13-0033 LF 4" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.32	
09 22 16 13-0034 LF 6" Wide, 20 Gauge Galvanized Steel Backing Plate.....	3.11	
09 22 16 13-0035 LF 8" Wide, 20 Gauge Galvanized Steel Backing Plate.....	3.89	
09 22 16 13-0036 LF 10" Wide, 20 Gauge Galvanized Steel Backing Plate.....	4.70	
09 22 16 13-0037 LF 12" Wide, 20 Gauge Galvanized Steel Backing Plate.....	5.59	
09 22 16 13-0038 LF 3" Wide, 16 Gauge Galvanized Steel Backing Plate.....	2.55	
09 22 16 13-0039 LF 4" Wide, 16 Gauge Galvanized Steel Backing Plate.....	3.19	
09 22 16 13-0040 LF 6" Wide, 16 Gauge Galvanized Steel Backing Plate.....	4.35	
09 22 16 13-0041 LF 8" Wide, 16 Gauge Galvanized Steel Backing Plate.....	5.50	
09 22 16 13-0042 LF 10" Wide, 16 Gauge Galvanized Steel Backing Plate.....	6.75	
09 22 16 13-0043 LF 12" Wide, 16 Gauge Galvanized Steel Backing Plate.....	7.96	
09 22 16 13-0044 LF 3" Wide, 14 Gauge Galvanized Steel Backing Plate.....	3.02	
09 22 16 13-0045 LF 4" Wide, 14 Gauge Galvanized Steel Backing Plate.....	3.81	
09 22 16 13-0046 LF 6" Wide, 14 Gauge Galvanized Steel Backing Plate.....	5.28	
09 22 16 13-0047 LF 8" Wide, 14 Gauge Galvanized Steel Backing Plate.....	6.74	
09 22 16 13-0048 LF 10" Wide, 14 Gauge Galvanized Steel Backing Plate.....	8.30	
09 22 16 13-0049 LF 12" Wide, 14 Gauge Galvanized Steel Backing Plate.....	9.82	
<b>09 22 36 Lath</b> <small>(09 22)</small>		
<b>09 22 36 13 Gypsum Lath</b> <small>(09 22 36)</small>		
<b>09 22 36 13-0001 Plaster Base Gypsum Panels</b> <small>(09 22 36 13)</small>		
09 22 36 13-0002 SF 3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.45	0.46
<i>For Walls &gt;10' High, Add</i>	0.12	
<i>For Up To 100, Add</i>	0.47	
<i>For &gt;100 To 500, Add</i>	0.23	
<i>For &gt;5,000, Deduct</i>	-0.09	

**09 Finishes****09 20 Plaster and Gypsum Board****09 22 Supports for Plaster and Gypsum Board**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0003	SF		1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	2.04	0.53
			<i>For Walls &gt;10' High, Add</i>	0.14	
			<i>For Up To 100, Add</i>	0.54	
			<i>For &gt;100 To 500, Add</i>	0.27	
			<i>For &gt;5,000, Deduct</i>	-0.11	
09 22 36 13-0004	SF		5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	2.62	0.62
			<i>For Walls &gt;10' High, Add</i>	0.15	
			<i>For Up To 100, Add</i>	0.62	
			<i>For &gt;100 To 500, Add</i>	0.31	
			<i>For &gt;5,000, Deduct</i>	-0.12	
09 22 36 13-0005	SF		3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel .....	1.82	0.65
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
			<i>For Up To 100, Add</i>	0.65	
			<i>For &gt;100 To 500, Add</i>	0.33	
			<i>For &gt;5,000, Deduct</i>	-0.13	
09 22 36 13-0006	SF		1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel .....	2.46	0.75
			<i>For Ceilings &gt;10' High, Add</i>	0.23	
			<i>For Up To 100, Add</i>	0.75	
			<i>For &gt;100 To 500, Add</i>	0.38	
			<i>For &gt;5,000, Deduct</i>	-0.15	
09 22 36 13-0007	SF		5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel .....	3.11	0.86
			<i>For Ceilings &gt;10' High, Add</i>	0.26	
			<i>For Up To 100, Add</i>	0.86	
			<i>For &gt;100 To 500, Add</i>	0.43	
			<i>For &gt;5,000, Deduct</i>	-0.17	
09 22 36 13-0008	SF		3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	2.19	0.83
			<i>For Columns And Beams &gt;10' High, Add</i>	0.25	
			<i>For Up To 100, Add</i>	0.84	
			<i>For &gt;100 To 500, Add</i>	0.42	
			<i>For &gt;5,000, Deduct</i>	-0.17	
09 22 36 13-0009	SF		1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	2.89	0.97
			<i>For Columns And Beams &gt;10' High, Add</i>	0.29	
			<i>For Up To 100, Add</i>	0.97	
			<i>For &gt;100 To 500, Add</i>	0.48	
			<i>For &gt;5,000, Deduct</i>	-0.19	
09 22 36 13-0010	SF		5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	3.60	1.12
			<i>For Columns And Beams &gt;10' High, Add</i>	0.33	
			<i>For Up To 100, Add</i>	1.11	
			<i>For &gt;100 To 500, Add</i>	0.55	
			<i>For &gt;5,000, Deduct</i>	-0.22	
<b>09 22 36 13-0011</b>			<b>Firestop Plaster Base Gypsum Panels</b> <small>(09 22 36 13)</small>		
09 22 36 13-0012	SF		3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel .....	2.08	0.46
			<i>For Walls &gt;10' High, Add</i>	0.12	
			<i>For Up To 100, Add</i>	0.47	
			<i>For &gt;100 To 500, Add</i>	0.23	
			<i>For &gt;5,000, Deduct</i>	-0.09	
09 22 36 13-0013	SF		1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel .....	2.43	0.53
			<i>For Walls &gt;10' High, Add</i>	0.14	
			<i>For Up To 100, Add</i>	0.54	
			<i>For &gt;100 To 500, Add</i>	0.27	
			<i>For &gt;5,000, Deduct</i>	-0.11	
09 22 36 13-0014	SF		3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	2.45	0.65
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
			<i>For Up To 100, Add</i>	0.65	
			<i>For &gt;100 To 500, Add</i>	0.33	
			<i>For &gt;5,000, Deduct</i>	-0.13	
09 22 36 13-0015	SF		1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	2.85	0.75
			<i>For Ceilings &gt;10' High, Add</i>	0.23	
			<i>For Up To 100, Add</i>	0.75	
			<i>For &gt;100 To 500, Add</i>	0.38	
			<i>For &gt;5,000, Deduct</i>	-0.15	
09 22 36 13-0016	SF		3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel.....	2.82	0.83
			<i>For Columns And Beams &gt;10' High, Add</i>	0.25	
			<i>For Up To 100, Add</i>	0.84	
			<i>For &gt;100 To 500, Add</i>	0.42	
			<i>For &gt;5,000, Deduct</i>	-0.17	
09 22 36 13-0017	SF		1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel.....	3.28	0.97
			<i>For Columns And Beams &gt;10' High, Add</i>	0.29	
			<i>For Up To 100, Add</i>	0.97	
			<i>For &gt;100 To 500, Add</i>	0.48	
			<i>For &gt;5,000, Deduct</i>	-0.19	
<b>09 22 36 13-0018</b>			<b>Foil Back Plaster Base Gypsum Panels</b> <small>(09 22 36 13)</small>		
09 22 36 13-0019	SF		3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel .....	2.08	0.46
			<i>For Walls &gt;10' High, Add</i>	0.12	
			<i>For Up To 100, Add</i>	0.47	
			<i>For &gt;100 To 500, Add</i>	0.23	
			<i>For &gt;5,000, Deduct</i>	-0.09	
09 22 36 13-0020	SF		1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel .....	2.43	0.53
			<i>For Walls &gt;10' High, Add</i>	0.14	
			<i>For Up To 100, Add</i>	0.54	
			<i>For &gt;100 To 500, Add</i>	0.27	
			<i>For &gt;5,000, Deduct</i>	-0.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0021 SF 3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel.....	2.45	0.65
<i>For Ceilings &gt;10' High, Add</i>	0.20	
<i>For Up To 100, Add</i>	0.65	
<i>For &gt;100 To 500, Add</i>	0.33	
<i>For &gt;5,000, Deduct</i>	-0.13	
09 22 36 13-0022 SF 1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel.....	2.85	0.75
<i>For Ceilings &gt;10' High, Add</i>	0.23	
<i>For Up To 100, Add</i>	0.75	
<i>For &gt;100 To 500, Add</i>	0.38	
<i>For &gt;5,000, Deduct</i>	-0.15	
09 22 36 13-0023 SF 3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel.....	2.82	0.83
<i>For Columns And Beams &gt;10' High, Add</i>	0.25	
<i>For Up To 100, Add</i>	0.84	
<i>For &gt;100 To 500, Add</i>	0.42	
<i>For &gt;5,000, Deduct</i>	-0.17	
09 22 36 13-0024 SF 1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel.....	3.28	0.97
<i>For Columns And Beams &gt;10' High, Add</i>	0.29	
<i>For Up To 100, Add</i>	0.97	
<i>For &gt;100 To 500, Add</i>	0.48	
<i>For &gt;5,000, Deduct</i>	-0.19	

**09 22 36 23 Metal Lath** (09 22 36)

**09 22 36 23-0001 Flat Diamond, Expanded Metal Lath** (09 22 36 23)

09 22 36 23-0002 SF 1.75 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath .....	2.40	0.64
<i>For Walls &gt;10' High, Add</i>	0.18	
<i>For Paper Backed Lath, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.72	
<i>For &gt;100 To 500, Add</i>	0.36	
<i>For &gt;5,000, Deduct</i>	-0.14	
09 22 36 23-0003 SF 2 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath .....	2.52	0.64
<i>For Walls &gt;10' High, Add</i>	0.18	
<i>For Paper Backed Lath, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.72	
<i>For &gt;100 To 500, Add</i>	0.36	
<i>For &gt;5,000, Deduct</i>	-0.14	
09 22 36 23-0004 SF 2.5 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath .....	2.65	0.64
<i>For Walls &gt;10' High, Add</i>	0.18	
<i>For Paper Backed Lath, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.72	
<i>For &gt;100 To 500, Add</i>	0.36	
<i>For &gt;5,000, Deduct</i>	-0.14	
09 22 36 23-0005 SF 3.4 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath .....	3.06	0.68
<i>For Walls &gt;10' High, Add</i>	0.19	
<i>For Paper Backed Lath, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.77	
<i>For &gt;100 To 500, Add</i>	0.38	
<i>For &gt;5,000, Deduct</i>	-0.15	
09 22 36 23-0006 SF 1.75 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	2.61	0.73
<i>For Ceilings &gt;10' High, Add</i>	0.25	
<i>For Paper Backed Lath, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.82	
<i>For &gt;100 To 500, Add</i>	0.41	
<i>For &gt;5,000, Deduct</i>	-0.16	
09 22 36 23-0007 SF 2 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	2.73	0.73
<i>For Ceilings &gt;10' High, Add</i>	0.25	
<i>For Paper Backed Lath, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.82	
<i>For &gt;100 To 500, Add</i>	0.41	
<i>For &gt;5,000, Deduct</i>	-0.16	
09 22 36 23-0008 SF 2.5 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	2.86	0.73
<i>For Ceilings &gt;10' High, Add</i>	0.25	
<i>For Paper Backed Lath, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.82	
<i>For &gt;100 To 500, Add</i>	0.41	
<i>For &gt;5,000, Deduct</i>	-0.16	
09 22 36 23-0009 SF 3.4 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	3.17	0.73
<i>For Ceilings &gt;10' High, Add</i>	0.25	
<i>For Paper Backed Lath, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.82	
<i>For &gt;100 To 500, Add</i>	0.41	
<i>For &gt;5,000, Deduct</i>	-0.16	
09 22 36 23-0010 SF 1.75 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	3.42	1.04
<i>For Columns And Beams &gt;10' High, Add</i>	0.34	
<i>For Paper Backed Lath, Add</i>	0.06	
<i>For Up To 100, Add</i>	1.15	
<i>For &gt;100 To 500, Add</i>	0.57	
<i>For &gt;5,000, Deduct</i>	-0.23	
09 22 36 23-0011 SF 2 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	3.55	1.04
<i>For Columns And Beams &gt;10' High, Add</i>	0.34	
<i>For Paper Backed Lath, Add</i>	0.06	
<i>For Up To 100, Add</i>	1.15	
<i>For &gt;100 To 500, Add</i>	0.57	
<i>For &gt;5,000, Deduct</i>	-0.23	

**09 Finishes**

**09 20 Plaster and Gypsum Board**

**09 22 Supports for Plaster and Gypsum Board**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 22 36 23-0012	SF 2.5 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath ..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.67 0.34 0.06 1.15 0.57 -0.23	1.04
09 22 36 23-0013	SF 3.4 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath ..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	4.57 0.43 0.06 1.44 0.72 -0.29	1.30
<b>09 22 36 23-0014 Self Furring, Flat Diamond, Expanded Metal Lath (09 22 36 23)</b>			
09 22 36 23-0015	SF 1.75 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath ..... <i>For Walls &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.50 0.19 0.06 0.77 0.38 -0.15	0.68
09 22 36 23-0016	SF 2.0 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath ..... <i>For Walls &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.62 0.19 0.06 0.77 0.38 -0.15	0.68
09 22 36 23-0017	SF 2.5 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath ..... <i>For Walls &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.75 0.19 0.06 0.77 0.38 -0.15	0.68
09 22 36 23-0018	SF 3.4 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath ..... <i>For Walls &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.06 0.19 0.06 0.77 0.38 -0.15	0.68
09 22 36 23-0019	SF 1.75 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath ..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	4.00 0.43 0.06 1.44 0.72 -0.29	1.30
09 22 36 23-0020	SF 2.0 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath ..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	4.13 0.43 0.06 1.44 0.72 -0.29	1.30
09 22 36 23-0021	SF 2.5 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath ..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	4.25 0.43 0.06 1.44 0.72 -0.29	1.30
09 22 36 23-0022	SF 3.4 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath ..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	4.98 0.49 0.06 1.64 0.82 -0.33	1.48
<b>09 22 36 23-0023 High Rib Metal Lath (09 22 36 23)</b>			
09 22 36 23-0024	SF 2.75 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath ..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.96 0.25 0.82 0.41 -0.16	0.73
09 22 36 23-0025	SF 3.4 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath ..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.14 0.25 0.82 0.41 -0.16	0.73
09 22 36 23-0026	SF 3.4 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath ..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.25 0.25 0.82 0.41 -0.16	0.73
09 22 36 23-0027	SF 4.0 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath ..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.45 0.25 0.82 0.41 -0.16	0.73





<b>Finishes</b>	<b>09</b>	<b>CSU</b>
<b>Plaster and Gypsum Board</b>	<b>09 20</b>	
<b>Supports for Plaster and Gypsum Board</b>	<b>09 22</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**09 22 36 33 Fiberglass Lath** (09 22 36)

**09 22 36 33-0001 Non-Metallic, Fiberglass Lath** (09 22 36 33)

09 22 36 33-0002	SF 1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath.....	3.24	0.73
	<i>For Ceilings &gt;10' High, Add</i>	0.25	
	<i>For Up To 100, Add</i>	0.82	
	<i>For &gt;100 To 500, Add</i>	0.41	
	<i>For &gt;5,000, Deduct</i>	-0.16	
09 22 36 33-0003	SF 1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath.....	3.48	0.73
	<i>For Ceilings &gt;10' High, Add</i>	0.25	
	<i>For Up To 100, Add</i>	0.82	
	<i>For &gt;100 To 500, Add</i>	0.41	
	<i>For &gt;5,000, Deduct</i>	-0.16	
09 22 36 33-0004	SF 1/8" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath .....	3.13	0.68
	<i>For Walls &gt;10' High, Add</i>	0.19	
	<i>For Up To 100, Add</i>	0.77	
	<i>For &gt;100 To 500, Add</i>	0.38	
	<i>For &gt;5,000, Deduct</i>	-0.15	
09 22 36 33-0005	SF 1/4" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath .....	3.37	0.68
	<i>For Walls &gt;10' High, Add</i>	0.19	
	<i>For Up To 100, Add</i>	0.77	
	<i>For &gt;100 To 500, Add</i>	0.38	
	<i>For &gt;5,000, Deduct</i>	-0.15	

**09 23 Gypsum Plastering** (09 20)

**09 23 13 Acoustical Gypsum Plastering** (09 23)

Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.

**09 23 13 00-0001 Casing And Corner Beads** (09 23 13)

09 23 13 00-0002	LF Galvanized Expanded Flange Casing Bead For Plaster Applications.....	4.32	1.04
09 23 13 00-0003	LF Zinc Expanded Flange Casing Bead For Plaster Applications.....	4.33	1.04
09 23 13 00-0004	LF Vinyl Expanded Flange Casing Bead For Plaster Applications.....	4.27	1.04
09 23 13 00-0005	LF Galvanized Corner Bead For Plaster Applications.....	4.13	1.04
09 23 13 00-0006	LF Vinyl Corner Bead For Plaster Applications.....	4.02	1.04

**09 23 13 00-0007 Trim** (09 23 13)

09 23 13 00-0008	LF Galvanized "J" Trim For Plaster Applications.....	4.67	1.04
	<i>For Vinyl Instead Of Galvanized, Add</i>	0.31	
	<i>For Zinc Instead Of Galvanized, Add</i>	2.04	
09 23 13 00-0009	LF Galvanized "L" Trim For Plaster Applications .....	4.67	1.04
	<i>For Vinyl Instead Of Galvanized, Add</i>	0.31	
	<i>For Zinc Instead Of Galvanized, Add</i>	2.04	
09 23 13 00-0010	LF Galvanized "U" Trim For Plaster Applications.....	4.67	1.04
	<i>For Vinyl Instead Of Galvanized, Add</i>	0.31	
	<i>For Zinc Instead Of Galvanized, Add</i>	2.04	

**09 23 13 00-0011 Plaster Forms And Expansion Joints** (09 23 13)

09 23 13 00-0012	LF 3/4" Galvanized Expansion Joint For Plaster Applications.....	5.19	1.04
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**09 23 13 00-0013 One Skim Coat Gypsum Plaster On Walls** (09 23 13)

09 23 13 00-0014	SF Skim Coat One Coat Gypsum Plaster On Walls .....	1.23	
	<i>For Walls &gt;10' High, Add</i>	0.11	
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.16	
	<i>For Horizontal Installation &gt;10' High, Add</i>	0.32	
	<i>For Columns Or Beams Up To 10' High, Add</i>	0.33	
	<i>For Columns Or Beams &gt;10' High, Add</i>	0.49	
	<i>For Up To 100, Add</i>	0.54	
	<i>For &gt;100 To 500, Add</i>	0.27	
	<i>For &gt;5,000, Deduct</i>	-0.21	
09 23 13 00-0015	SF For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls .....	0.89	
	<i>For Walls &gt;10' High, Add</i>	0.08	
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.12	
	<i>For Horizontal Installation &gt;10' High, Add</i>	0.23	
	<i>For Columns Or Beams Up To 10' High, Add</i>	0.24	
	<i>For Columns Or Beams &gt;10' High, Add</i>	0.35	
	<i>For Up To 100, Add</i>	0.39	
	<i>For &gt;100 To 500, Add</i>	0.19	
	<i>For &gt;5,000, Deduct</i>	-0.15	

**09 23 13 00-0016 Two Coats Gypsum Plaster On Walls** (09 23 13)

<b>09</b>	<b>09 Finishes</b>
	<b>09 20 Plaster and Gypsum Board</b>
	<b>09 23 Gypsum Plastering</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0017 SF Smooth Finish Two Coats Gypsum Plaster On Walls.....	6.18	3.57
For Walls >10' High, Add	0.59	
For Horizontal Installation Up To 10' High, Add	0.88	
For Horizontal Installation >10' High, Add	1.76	
For Columns Or Beams Up To 10' High, Add	1.82	
For Columns Or Beams >10' High, Add	2.70	
For Up To 100, Add	2.94	
For >100 To 500, Add	1.47	
For >5,000, Deduct	-1.18	
09 23 13 00-0018 SF Sand Aggregate Two Coats Gypsum Plaster On Walls.....	6.32	3.37
For Walls >10' High, Add	0.55	
For Horizontal Installation Up To 10' High, Add	0.83	
For Horizontal Installation >10' High, Add	1.66	
For Columns Or Beams Up To 10' High, Add	1.71	
For Columns Or Beams >10' High, Add	2.54	
For Up To 100, Add	2.76	
For >100 To 500, Add	1.38	
For >5,000, Deduct	-1.10	
09 23 13 00-0019 SF Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls.....	6.30	3.37
For Walls >10' High, Add	0.55	
For Horizontal Installation Up To 10' High, Add	0.83	
For Horizontal Installation >10' High, Add	1.66	
For Columns Or Beams Up To 10' High, Add	1.71	
For Columns Or Beams >10' High, Add	2.54	
For Up To 100, Add	2.76	
For >100 To 500, Add	1.38	
For >5,000, Deduct	-1.10	
<b>09 23 13 00-0020 Three Coats Gypsum Plaster On Walls (09 23 13)</b>		
09 23 13 00-0021 SF Smooth Finish Three Coats Gypsum Plaster On Walls.....	7.45	4.34
For Walls >10' High, Add	0.70	
For Horizontal Installation Up To 10' High, Add	1.05	
For Horizontal Installation >10' High, Add	2.11	
For Columns Or Beams Up To 10' High, Add	2.18	
For Columns Or Beams >10' High, Add	3.23	
For Up To 100, Add	3.51	
For >100 To 500, Add	1.76	
For >5,000, Deduct	-1.40	
09 23 13 00-0022 SF Sand Aggregate Three Coats Gypsum Plaster On Walls.....	7.45	3.95
For Walls >10' High, Add	0.65	
For Horizontal Installation Up To 10' High, Add	0.98	
For Horizontal Installation >10' High, Add	1.96	
For Columns Or Beams Up To 10' High, Add	2.02	
For Columns Or Beams >10' High, Add	3.00	
For Up To 100, Add	3.26	
For >100 To 500, Add	1.63	
For >5,000, Deduct	-1.30	
09 23 13 00-0023 SF Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls.....	7.02	3.95
For Walls >10' High, Add	0.65	
For Horizontal Installation Up To 10' High, Add	0.97	
For Horizontal Installation >10' High, Add	1.95	
For Columns Or Beams Up To 10' High, Add	2.01	
For Columns Or Beams >10' High, Add	2.99	
For Up To 100, Add	3.25	
For >100 To 500, Add	1.62	
For >5,000, Deduct	-1.30	
<b>09 23 13 00-0024 Plaster Bonding Agent (09 23 13)</b>		
09 23 13 00-0025 SF 1 Coat, Brush/Roller Applied Plaster Bonding Agent.....	0.72	
For Walls >10' High, Add	0.06	
For Columns Or Beams Up To 10' High, Add	0.17	
For Columns Or Beams >10' High, Add	0.25	
For Ceiling Application Up To 10' High, Add	0.07	
For Ceiling Application >10' High, Add	0.13	
<b>09 24 Cement Plastering (09 20)</b>		
<b>09 24 13 Acoustical Cement Plastering (09 24)</b>		
<b>09 24 13 00-0001 Keene's Cement Plaster, Quick Setting, White Hard Plaster (09 24 13)</b>		
Note: Used for areas with higher than normal moisture.		
09 24 13 00-0002 SF 1 Coat Keene's Cement Plaster On Walls.....	4.90	2.41
For Walls >10' High, Add	0.39	
For Horizontal Installation Up To 10' High, Add	0.58	
For Horizontal Installation >10' High, Add	1.16	
For Columns Or Beams Up To 10' High, Add	1.20	
For Columns Or Beams >10' High, Add	1.78	
For Up To 100, Add	1.93	
For >100 To 500, Add	0.97	
For >5,000, Deduct	-0.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 24 13 00-0003 SF 2 Coat Keene's Cement Plaster On Walls .....	7.42	3.76
<i>For Walls &gt;10' High, Add</i>	0.61	
<i>For Horizontal Installation Up To 10' High, Add</i>	0.92	
<i>For Horizontal Installation &gt;10' High, Add</i>	1.83	
<i>For Columns Or Beams Up To 10' High, Add</i>	1.89	
<i>For Columns Or Beams &gt;10' High, Add</i>	2.81	
<i>For Up To 100, Add</i>	3.06	
<i>For &gt;100 To 500, Add</i>	1.53	
<i>For &gt;5,000, Deduct</i>	-1.22	
09 24 13 00-0004 SF 3 Coat Keene's Cement Plaster On Walls .....	8.40	4.25
<i>For Walls &gt;10' High, Add</i>	0.69	
<i>For Horizontal Installation Up To 10' High, Add</i>	1.04	
<i>For Horizontal Installation &gt;10' High, Add</i>	2.07	
<i>For Columns Or Beams Up To 10' High, Add</i>	2.14	
<i>For Columns Or Beams &gt;10' High, Add</i>	3.18	
<i>For Up To 100, Add</i>	3.46	
<i>For &gt;100 To 500, Add</i>	1.73	
<i>For &gt;5,000, Deduct</i>	-1.38	
<b>09 24 23 Cement Stucco (09 24)</b>		
Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.		
<b>09 24 23 00-0001 Stucco (09 24 23)</b>		
Note: Excludes wall scaffolding or lifting equipment.		
09 24 23 00-0002 SF Scratch/Brown/Finish, Three Coat Troweled Stucco .....	9.36	2.99
Note: Excludes lath and felt. Interior or exterior, one side.		
<i>For Walls &gt;10' High, Add</i>	0.82	
<i>For Horizontal Installation Up To 10' High, Add</i>	1.23	
<i>For Horizontal Installation &gt;10' High, Add</i>	2.45	
<i>For Columns Or Beams Up To 10' High, Add</i>	2.53	
<i>For Columns Or Beams &gt;10' High, Add</i>	3.76	
<i>For Color Added To Finish Coat, Add</i>	0.15	
<i>For Smooth Float Finish, Add</i>	1.72	
<i>For Up To 100, Add</i>	4.09	
<i>For &gt;100 To 500, Add</i>	2.04	
<i>For &gt;5,000, Deduct</i>	-1.63	
09 24 23 00-0003 SF Scratch/Brown, Two Coat Troweled Stucco .....	4.04	1.45
Note: Excludes lath and felt. Interior or exterior, one side.		
<i>For Walls &gt;10' High, Add</i>	0.30	
<i>For Horizontal Installation Up To 10' High, Add</i>	0.45	
<i>For Horizontal Installation &gt;10' High, Add</i>	0.90	
<i>For Columns Or Beams Up To 10' High, Add</i>	0.93	
<i>For Columns Or Beams &gt;10' High, Add</i>	1.38	
<i>For Up To 100, Add</i>	1.50	
<i>For &gt;100 To 500, Add</i>	0.75	
<i>For &gt;5,000, Deduct</i>	-0.60	
09 24 23 00-0004 SF Scratch/Finish, Two Coat Troweled Stucco .....	6.18	1.45
Note: Excludes lath and felt. Interior or exterior, one side.		
<i>For Walls &gt;10' High, Add</i>	0.53	
<i>For Horizontal Installation Up To 10' High, Add</i>	0.80	
<i>For Horizontal Installation &gt;10' High, Add</i>	1.59	
<i>For Columns Or Beams Up To 10' High, Add</i>	1.65	
<i>For Columns Or Beams &gt;10' High, Add</i>	2.44	
<i>For Color Added To Finish Coat, Add</i>	0.15	
<i>For Smooth Float Finish, Add</i>	1.46	
<i>For Up To 100, Add</i>	2.66	
<i>For &gt;100 To 500, Add</i>	1.33	
<i>For &gt;5,000, Deduct</i>	-1.06	
09 24 23 00-0005 SF Finish Coat Troweled Stucco .....	4.01	0.96
Note: Excludes lath and felt. Interior or exterior, one side.		
<i>For Walls &gt;10' High, Add</i>	0.39	
<i>For Horizontal Installation Up To 10' High, Add</i>	0.58	
<i>For Horizontal Installation &gt;10' High, Add</i>	1.16	
<i>For Columns Or Beams Up To 10' High, Add</i>	1.20	
<i>For Columns Or Beams &gt;10' High, Add</i>	1.78	
<i>For Color Added To Finish Coat, Add</i>	0.15	
<i>For Smooth Float Finish, Add</i>	1.46	
<i>For Up To 100, Add</i>	1.93	
<i>For &gt;100 To 500, Add</i>	0.97	
<i>For &gt;5,000, Deduct</i>	-0.77	
<b>09 24 33 Cement Parging (09 24)</b>		
<b>09 24 33 00-0001 Cement Parging (09 24 33)</b>		
09 24 33 00-0002 SF 1/8" Thick Sand And Cement Parging .....	3.60	
09 24 33 00-0003 SF 1/4" Thick Sand And Cement Parging .....	4.60	
09 24 33 00-0004 SF 1/2" Thick Sand And Cement Parging .....	5.76	

**09 28 Backing Boards and Underlayments (09 20)**

**09 28 13 Cementitious Backing Boards (09 28)**

**09 Finishes****09 20 Plaster and Gypsum Board****09 28 Backing Boards and Underlayments**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 28 13 00-0001			<b>Cementitious Backer Units</b> <small>(09 28 13)</small> Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.		
09 28 13 00-0002	SF		1/4" Cementitious Backer Units For Installation On Floors .....	4.04	0.68
			For Up To 50, Add	3.06	
			For >50 To 250, Add	0.55	
			For >1,000, Deduct	-0.27	
			For Installation On Wall, Add	0.55	
			For Installation On Ceiling, Add	1.37	
09 28 13 00-0003	SF		1/2" Cementitious Backer Units For Installation On Floors .....	4.62	0.82
			For Up To 50, Add	3.61	
			For >50 To 250, Add	0.65	
			For >1,000, Deduct	-0.33	
			For Installation On Wall, Add	0.65	
			For Installation On Ceiling, Add	1.64	
09 28 13 00-0004	SF		5/8" Cementitious Backer Units For Installation On Floors .....	5.73	0.96
			For Up To 50, Add	4.30	
			For >50 To 250, Add	0.76	
			For >1,000, Deduct	-0.38	
			For Installation On Wall, Add	0.76	
			For Installation On Ceiling, Add	1.91	
<b>09 28 16</b>			<b>Glass-Mat Faced Gypsum Backing Boards</b> <small>(09 28)</small>		
09 28 16 00-0001			<b>Glass Mat Faced Backer Units, DensShield</b> <small>(09 28 16)</small> Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.		
09 28 16 00-0002	SF		1/2" DensShield Tile Backer For Installation On Floors .....	3.34	0.77
			For Up To 50, Add	2.31	
			For >50 To 250, Add	0.39	
			For >1,000, Deduct	-0.20	
			For Installation On Wall, Add	0.39	
			For Installation On Ceiling, Add	0.98	
09 28 16 00-0003	SF		5/8" DensShield Tile Backer For Installation On Floors .....	3.78	0.88
			For Up To 50, Add	2.58	
			For >50 To 250, Add	0.44	
			For >1,000, Deduct	-0.22	
			For Installation On Wall, Add	0.44	
			For Installation On Ceiling, Add	1.09	
09 29			<b>Gypsum Board</b> <small>(09 29)</small> Note: Do not deduct for opens of less than 25 SF when calculating total wall square footage.		
<b>09 29 10</b>			<b>Gypsum Board</b> <small>(09 29)</small>		
09 29 10 00-0001			<b>Standard Gypsum Board Application</b> <small>(09 29 10)</small> Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc.. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0036 for finishing gypsum board, 09 29 10 00-0049 for casing and corner bead.		
09 29 10 00-0002			<b>Standard Gypsum Board Application</b> <small>(09 29 10 00-0001)</small>		
09 29 10 00-0003	SF		1/4" Gypsum Board .....	1.28	0.43
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.21	
			For Adhesive Applied Sheets, Add	0.10	
			Note: Includes bracing until adhesive is bonded		
			For Horizontal Installation Up To 10' High, Add	0.30	
			For Horizontal Installation >10' High, Add	0.44	
			For Walls >10' High, Add	0.07	
			For Up To 128, Add	0.43	
			For >128 To 320, Add	0.26	
			For >1,536, Deduct	-0.10	
09 29 10 00-0004	SF		3/8" Gypsum Board .....	1.38	0.49
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.23	
			For Adhesive Applied Sheets, Add	0.11	
			Note: Includes bracing until adhesive is bonded		
			For Horizontal Installation Up To 10' High, Add	0.33	
			For Horizontal Installation >10' High, Add	0.49	
			For Walls >10' High, Add	0.08	
			For Up To 128, Add	0.47	
			For >128 To 320, Add	0.29	
			For >1,536, Deduct	-0.11	
			For Foil Back Board, Add	0.10	
09 29 10 00-0005	SF		1/2" Gypsum Board .....	1.53	0.56
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.26	
			For Adhesive Applied Sheets, Add	0.12	
			Note: Includes bracing until adhesive is bonded		
			For Horizontal Installation Up To 10' High, Add	0.38	
			For Horizontal Installation >10' High, Add	0.57	
			For Walls >10' High, Add	0.09	
			For Up To 128, Add	0.53	
			For >128 To 320, Add	0.32	
			For >1,536, Deduct	-0.12	
			For Foil Back Board, Add	0.10	



<b>Finishes</b>	<b>09</b>	<b>CSU</b>
Plaster and Gypsum Board	09 20	
Gypsum Board	09 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0006 SF 5/8" Gypsum Board.....	1.80	0.64
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.30	
For Adhesive Applied Sheets, Add	0.13	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.44	
For Horizontal Installation >10' High, Add	0.65	
For Walls >10' High, Add	0.10	
For Up To 128, Add	0.62	
For >128 To 320, Add	0.38	
For >1,536, Deduct	-0.14	
For Foil Back Board, Add	0.10	
<b>09 29 10 00-0007 Fire Rated Gypsum Board Application (09 29 10 00-0001)</b>		
<b>09 29 10 00-0008 Type X, Fire Rated Gypsum Board (09 29 10 00-0007)</b>		
09 29 10 00-0009 SF 5/8" Type X Fire Rated Gypsum Board.....	1.92	0.64
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.33	
For Adhesive Applied Sheets, Add	0.13	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.49	
For Horizontal Installation >10' High, Add	0.72	
For Walls >10' High, Add	0.11	
For Up To 128, Add	0.67	
For >128 To 320, Add	0.41	
For >1,536, Deduct	-0.15	
For Foil Back Board, Add	0.10	
<b>09 29 10 00-0010 Type C, Fire Rated Gypsum Board (09 29 10 00-0007)</b>		
09 29 10 00-0011 SF 1/2" Type C Fire Rated Gypsum Board.....	1.75	0.56
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.29	
For Adhesive Applied Sheets, Add	0.12	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.42	
For Horizontal Installation >10' High, Add	0.62	
For Walls >10' High, Add	0.10	
For Up To 128, Add	0.60	
For >128 To 320, Add	0.36	
For >1,536, Deduct	-0.14	
For Foil Back Board, Add	0.10	
09 29 10 00-0012 SF 5/8" Type C Fire Rated Gypsum Board.....	1.97	0.64
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.33	
For Adhesive Applied Sheets, Add	0.13	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.49	
For Horizontal Installation >10' High, Add	0.72	
For Walls >10' High, Add	0.11	
For Up To 128, Add	0.68	
For >128 To 320, Add	0.41	
For >1,536, Deduct	-0.15	
For Foil Back Board, Add	0.10	
<b>09 29 10 00-0013 Fire Rated Gypsum Board (Sheetrock® Ultracode®) (09 29 10 00-0007)</b>		
09 29 10 00-0014 SF 3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®).....	2.66	0.64
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.34	
For Adhesive Applied Sheets, Add	0.13	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.49	
For Horizontal Installation >10' High, Add	0.72	
For Walls >10' High, Add	0.11	
For Up To 128, Add	0.82	
For >128 To 320, Add	0.48	
For >1,536, Deduct	-0.26	
<b>09 29 10 00-0015 Moisture Resistant Gypsum Board Application (09 29 10 00-0001)</b>		
Note: Water-resistant gypsum core.		
09 29 10 00-0016 SF 1/2" Moisture Resistant Gypsum Board.....	1.66	0.56
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.27	
For Adhesive Applied Sheets, Add	0.12	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.38	
For Horizontal Installation >10' High, Add	0.57	
For Walls >10' High, Add	0.09	
For Up To 128, Add	0.56	
For >128 To 320, Add	0.34	
For >1,536, Deduct	-0.14	

**09 Finishes**

**09 20 Plaster and Gypsum Board**

**09 29 Gypsum Board**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0017	SF		5/8" Moisture Resistant Gypsum Board .....	2.13	0.56
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.31	
			<i>For Adhesive Applied Sheets, Add</i>	0.13	
			<i>Note: Includes bracing until adhesive is bonded</i>		
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.44	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.65	
			<i>For Walls &gt;10' High, Add</i>	0.10	
			<i>For Up To 128, Add</i>	0.69	
			<i>For &gt;128 To 320, Add</i>	0.41	
			<i>For &gt;1,536, Deduct</i>	-0.19	
<b>09 29 10 00-0018</b>			<b>Vinyl Faced Gypsum Board Application (09 29 10 00-0001)</b>		
			<i>Note: Includes clips and adhesive.</i>		
09 29 10 00-0019	SF		3/8" Prefinished, Vinyl Faced Gypsum Board .....	3.24	0.43
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.25	
			<i>For Adhesive Applied Sheets, Add</i>	0.11	
			<i>Note: Includes bracing until adhesive is bonded</i>		
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.33	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.49	
			<i>For Walls &gt;10' High, Add</i>	0.08	
			<i>For Up To 128, Add</i>	0.84	
			<i>For &gt;128 To 320, Add</i>	0.47	
			<i>For &gt;1,536, Deduct</i>	-0.39	
09 29 10 00-0020	SF		1/2" Prefinished, Vinyl Faced Gypsum Board .....	3.39	0.56
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.28	
			<i>For Adhesive Applied Sheets, Add</i>	0.12	
			<i>Note: Includes bracing until adhesive is bonded</i>		
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.38	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.57	
			<i>For Walls &gt;10' High, Add</i>	0.09	
			<i>For Up To 128, Add</i>	0.90	
			<i>For &gt;128 To 320, Add</i>	0.51	
			<i>For &gt;1,536, Deduct</i>	-0.40	
09 29 10 00-0021	SF		5/8" Prefinished, Vinyl Faced Gypsum Board .....	3.56	0.64
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.32	
			<i>For Adhesive Applied Sheets, Add</i>	0.13	
			<i>Note: Includes bracing until adhesive is bonded</i>		
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.44	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.65	
			<i>For Walls &gt;10' High, Add</i>	0.10	
			<i>For Up To 128, Add</i>	0.97	
			<i>For &gt;128 To 320, Add</i>	0.55	
			<i>For &gt;1,536, Deduct</i>	-0.40	
09 29 10 00-0022	SF		1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board.....	3.89	0.56
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.31	
			<i>For Adhesive Applied Sheets, Add</i>	0.12	
			<i>Note: Includes bracing until adhesive is bonded</i>		
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.42	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.62	
			<i>For Walls &gt;10' High, Add</i>	0.10	
			<i>For Up To 128, Add</i>	1.03	
			<i>For &gt;128 To 320, Add</i>	0.58	
			<i>For &gt;1,536, Deduct</i>	-0.46	
09 29 10 00-0023	SF		5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board.....	5.78	0.64
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.37	
			<i>For Adhesive Applied Sheets, Add</i>	0.13	
			<i>Note: Includes bracing until adhesive is bonded</i>		
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.49	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.72	
			<i>For Walls &gt;10' High, Add</i>	0.11	
			<i>For Up To 128, Add</i>	1.44	
			<i>For &gt;128 To 320, Add</i>	0.79	
			<i>For &gt;1,536, Deduct</i>	-0.72	
<b>09 29 10 00-0024</b>			<b>Moisture And Mold Resistant Gypsum Board Application (09 29 10 00-0001)</b>		
09 29 10 00-0025	SF		1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™) .....	1.92	0.54
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.27	
			<i>For Adhesive Applied Sheets, Add</i>	0.12	
			<i>Note: Includes bracing until adhesive is bonded</i>		
			<i>For Non-reinforced Board, Deduct</i>	-0.08	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.38	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.57	
			<i>For Walls &gt;10' High, Add</i>	0.09	
			<i>For Up To 128, Add</i>	0.61	
			<i>For &gt;128 To 320, Add</i>	0.36	
			<i>For &gt;1,536, Deduct</i>	-0.18	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 29 10 00-0026	SF		5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™).....	2.27	0.62
				For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.31	
				For Adhesive Applied Sheets, Add	0.13	
				Note: Includes bracing until adhesive is bonded		
				For Non-reinforced Board, Deduct	-0.08	
				For Horizontal Installation Up To 10' High, Add	0.44	
				For Horizontal Installation >10' High, Add	0.65	
				For Walls >10' High, Add	0.10	
				For Up To 128, Add	0.71	
				For >128 To 320, Add	0.42	
				For >1,536, Deduct	-0.21	
	09 29 10 00-0027	SF		1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™).....	2.26	0.54
				For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.30	
				For Adhesive Applied Sheets, Add	0.12	
				Note: Includes bracing until adhesive is bonded		
				For Horizontal Installation Up To 10' High, Add	0.42	
				For Horizontal Installation >10' High, Add	0.62	
				For Walls >10' High, Add	0.10	
				For Up To 128, Add	0.70	
				For >128 To 320, Add	0.41	
				For >1,536, Deduct	-0.22	
	09 29 10 00-0028	SF		5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™).....	2.54	0.62
				For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.34	
				For Adhesive Applied Sheets, Add	0.13	
				Note: Includes bracing until adhesive is bonded		
				For Horizontal Installation Up To 10' High, Add	0.49	
				For Horizontal Installation >10' High, Add	0.72	
				For Walls >10' High, Add	0.11	
				For Up To 128, Add	0.79	
				For >128 To 320, Add	0.47	
				For >1,536, Deduct	-0.24	
	09 29 10 00-0029			<b>Impact Resistant Gypsum Board</b> (09 29 10 00-0001)		
				Note: Includes tapered edge, mold and moisture resistant, fire-resistant, Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
	09 29 10 00-0030	SF		5/8" Fire Rated, Impact Resistant Gypsum Board (National Gypsum Hi-Impact®).....	3.87	0.62
				For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.32	
				For Adhesive Applied Sheets, Add	0.12	
				Note: Includes bracing until adhesive is bonded		
				For Horizontal Installation Up To 10' High, Add	0.44	
				For Horizontal Installation >10' High, Add	0.65	
				For Walls >10' High, Add	0.10	
				For Up To 128, Add	1.03	
				For >128 To 320, Add	0.58	
				For >1,536, Deduct	-0.45	
	09 29 10 00-0031			<b>Abuse Resistant Gypsum Board</b> (09 29 10 00-0001)		
				Note: Includes tapered edge, mold and moisture resistant, fire-resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
	09 29 10 00-0032	SF		5/8" Fire Rated, Abuse Resistant Gypsum Board (National Gypsum Hi-Abuse®).....	2.32	0.62
				For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.31	
				For Adhesive Applied Sheets, Add	0.12	
				Note: Includes bracing until adhesive is bonded		
				For Horizontal Installation Up To 10' High, Add	0.44	
				For Horizontal Installation >10' High, Add	0.65	
				For Walls >10' High, Add	0.10	
				For Up To 128, Add	0.72	
				For >128 To 320, Add	0.43	
				For >1,536, Deduct	-0.22	
	09 29 10 00-0033			<b>Noise Reducing Gypsum Board</b> (09 29 10 00-0001)		
	09 29 10 00-0034	SF		1/2" Noise Reducing Gypsum Board (National Gypsum SoundBreak).....	4.51	0.65
				For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.33	
				For Adhesive Applied Sheets, Add	0.13	
				Note: Includes bracing until adhesive is bonded		
				For Horizontal Installation Up To 10' High, Add	0.45	
				For Horizontal Installation >10' High, Add	0.66	
				For Walls >10' High, Add	0.10	
				For Up To 128, Add	1.16	
				For >128 To 320, Add	0.65	
				For >1,536, Deduct	-0.55	

09	<b>09 Finishes</b>
	<b>09 20 Plaster and Gypsum Board</b>
	<b>09 29 Gypsum Board</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0035 SF 5/8" Noise Reducing Gypsum Board (National Gypsum SoundBreak) .....	5.42	0.65
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.34	
For Adhesive Applied Sheets, Add	0.13	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.45	
For Horizontal Installation >10' High, Add	0.66	
For Walls >10' High, Add	0.10	
For Up To 128, Add	1.35	
For >128 To 320, Add	0.74	
For >1,536, Deduct	-0.68	
<b>09 29 10 00-0036 Finishing Gypsum Board Applications</b> (09 29 10)		
Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.		
<b>09 29 10 00-0037 Finish Gypsum Board Walls, ASTM C840 Level 4</b> (09 29 10 00-0036)		
09 29 10 00-0038 SF Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board.....	0.76	
For Up To 128, Add	0.29	
For >128 To 320, Add	0.18	
For >5,400, Deduct	-0.08	
For ASTM C840 Level 1 Finish, Deduct	-0.36	
For ASTM C840 Level 2 Finish, Deduct	-0.18	
For ASTM C840 Level 3 Finish, Deduct	-0.07	
For ASTM C840 Level 5 High Quality Finish, Add	0.56	
For Spray Applied Textured Or Orange Peel Finish, Add	0.56	
09 29 10 00-0039 SF >10' High, Walls, Tape, Spackle And Finish Gypsum Board .....	1.00	
Note: Use this task for the entire wall area when the wall is >10' high.		
For Up To 128, Add	0.39	
For >128 To 320, Add	0.24	
For >5,400, Deduct	-0.10	
For ASTM C840 Level 1 Finish, Deduct	-0.48	
For ASTM C840 Level 2 Finish, Deduct	-0.24	
For ASTM C840 Level 3 Finish, Deduct	-0.10	
For ASTM C840 Level 5 High Quality Finish, Add	0.74	
For Spray Applied Textured Or Orange Peel Finish, Add	0.74	
<b>09 29 10 00-0040 Finish Gypsum Board Ceilings, ASTM C840 Level 4</b> (09 29 10 00-0036)		
09 29 10 00-0041 SF Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	0.98	
For Up To 128, Add	0.38	
For >128 To 320, Add	0.23	
For >5,400, Deduct	-0.10	
For ASTM C840 Level 1 Finish, Deduct	-0.47	
For ASTM C840 Level 2 Finish, Deduct	-0.23	
For ASTM C840 Level 3 Finish, Deduct	-0.09	
For ASTM C840 Level 5 High Quality Finish, Add	0.72	
For Spray Applied Textured Or Orange Peel Finish, Add	0.72	
09 29 10 00-0042 SF >10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	1.31	
Note: Use this task for the entire wall area when the wall is >10' high.		
For Up To 128, Add	0.51	
For >128 To 320, Add	0.32	
For >5,400, Deduct	-0.13	
For ASTM C840 Level 1 Finish, Deduct	-0.63	
For ASTM C840 Level 2 Finish, Deduct	-0.32	
For ASTM C840 Level 3 Finish, Deduct	-0.13	
For ASTM C840 Level 5 High Quality Finish, Add	0.97	
For Spray Applied Textured Or Orange Peel Finish, Add	0.97	
<b>09 29 10 00-0043 Finish Gypsum Board Vertical Corners, ASTM C840 Level 4</b> (09 29 10 00-0036)		
Note: Inside or outside gypsum board corners.		
09 29 10 00-0044 LF Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....	1.49	
For ASTM C840 Level 1 Finish, Deduct	-0.69	
For ASTM C840 Level 2 Finish, Deduct	-0.35	
For ASTM C840 Level 3 Finish, Deduct	-0.14	
For ASTM C840 Level 5 High Quality Finish, Add	1.09	
09 29 10 00-0045 LF >10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....	1.78	
Note: Use this task for the entire wall area when the wall is >10' high.		
For ASTM C840 Level 1 Finish, Deduct	-0.84	
For ASTM C840 Level 2 Finish, Deduct	-0.42	
For ASTM C840 Level 3 Finish, Deduct	-0.17	
For ASTM C840 Level 5 High Quality Finish, Add	1.31	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 29 10 00-0046</b> <b>Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4</b> <small>(09 29 10 00-0036)</small>		
<i>Note: Inside or outside gypsum board corners.</i>		
09 29 10 00-0047    LF    Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board.....	1.73	
<i>For ASTM C840 Level 1 Finish, Deduct</i>		
<i>For ASTM C840 Level 2 Finish, Deduct</i>		
<i>For ASTM C840 Level 3 Finish, Deduct</i>		
<i>For ASTM C840 Level 5 High Quality Finish, Add</i>		
09 29 10 00-0048    LF    >10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board .....	2.08	
<i>Note: Use this task for the entire wall area when the wall is &gt;10' high.</i>		
<i>For ASTM C840 Level 1 Finish, Deduct</i>		
<i>For ASTM C840 Level 2 Finish, Deduct</i>		
<i>For ASTM C840 Level 3 Finish, Deduct</i>		
<i>For ASTM C840 Level 5 High Quality Finish, Add</i>		
<b>09 29 10 00-0049</b> <b>Casing And Corner Beads</b> <small>(09 29 10)</small>		
09 29 10 00-0050    LF    Casing, Galvanized Steel J-Bead For Gypsum Board.....	4.22	1.09
<i>For Up To 100, Add</i>		
<i>For &gt;500, Deduct</i>		
09 29 10 00-0051    LF    Corner Bead, Galvanized Steel For Gypsum Board .....	3.88	1.09
<i>For Up To 100, Add</i>		
<i>For &gt;500, Deduct</i>		
<b>09 29 10 00-0052</b> <b>Preformed Architectural Profiles</b> <small>(09 29 10)</small>		
<b>09 29 10 00-0053</b> <b>Trim Reveals For Gypsum Board</b> <small>(09 29 10 00-0052)</small>		
09 29 10 00-0054    LF    1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.69	1.31
09 29 10 00-0055    LF    1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.74	1.31
09 29 10 00-0056    LF    3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.93	1.31
09 29 10 00-0057    LF    1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.02	1.31
09 29 10 00-0058    LF    5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.26	1.31
09 29 10 00-0059    LF    3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.49	1.31
09 29 10 00-0060    LF    1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.73	1.31
09 29 10 00-0061    LF    1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board .....	7.48	1.31
09 29 10 00-0062    LF    2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	8.24	1.31
09 29 10 00-0063    LF    1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.81	1.42
09 29 10 00-0064    LF    1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.81	1.42
09 29 10 00-0065    LF    3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.33	1.42
09 29 10 00-0066    LF    1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.43	1.42
09 29 10 00-0067    LF    5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.76	1.42
09 29 10 00-0068    LF    3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.90	1.42
09 29 10 00-0069    LF    1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.09	1.42
09 29 10 00-0070    LF    1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.94	1.42
09 29 10 00-0071    LF    2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	8.79	1.42
09 29 10 00-0072    LF    3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	12.15	1.63
09 29 10 00-0073    LF    4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	13.56	1.63
<b>09 29 10 00-0074</b> <b>Edge Trim For Gypsum Board</b> <small>(09 29 10 00-0052)</small>		
09 29 10 00-0075    LF    1/2" Aluminum Extrusions, Edge Trim For Gypsum Board .....	5.19	1.36
09 29 10 00-0076    LF    5/8" Aluminum Extrusions, Edge Trim For Gypsum Board .....	5.56	1.36
09 29 10 00-0077    LF    1" Aluminum Extrusions, Edge Trim For Gypsum Board .....	6.52	1.50
09 29 10 00-0078    LF    1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board .....	6.84	1.63
09 29 10 00-0079    LF    1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board .....	9.91	1.36
09 29 10 00-0080    LF    5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board .....	10.29	1.36
09 29 10 00-0081    LF    1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board .....	11.25	1.50
09 29 10 00-0082    LF    1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	11.56	1.63
<b>09 29 10 00-0083</b> <b>Bevel Trim For Gypsum Board</b> <small>(09 29 10 00-0052)</small>		
09 29 10 00-0084    LF    5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	5.56	1.36
09 29 10 00-0085    LF    5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	6.38	1.50
<b>09 29 10 00-0086</b> <b>Trim/Wainscot Caps For Gypsum Board</b> <small>(09 29 10 00-0052)</small>		
09 29 10 00-0087    LF    1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board .....	7.64	1.63
<b>09 29 10 00-0088</b> <b>Single Fin Wall/Trim Reveals For Gypsum Board</b> <small>(09 29 10 00-0052)</small>		
09 29 10 00-0089    LF    1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.52	0.88
09 29 10 00-0090    LF    1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.58	0.98
09 29 10 00-0091    LF    3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.43	1.09
09 29 10 00-0092    LF    1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.82	1.20
09 29 10 00-0093    LF    5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.20	1.31
09 29 10 00-0094    LF    3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.34	1.31
09 29 10 00-0095    LF    1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.77	1.31
09 29 10 00-0096    LF    1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.57	1.31
09 29 10 00-0097    LF    2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.85	1.31
09 29 10 00-0098    LF    1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.76	1.42
09 29 10 00-0099    LF    1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.85	1.42

**09 Finishes****09 20 Plaster and Gypsum Board****09 29 Gypsum Board**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 29 10 00-0100	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.37	1.42
09 29 10 00-0101	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.61	1.42
09 29 10 00-0102	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.80	1.42
09 29 10 00-0103	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.03	1.42
09 29 10 00-0104	LF	1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.36	1.42
09 29 10 00-0105	LF	1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	9.21	1.42
09 29 10 00-0106	LF	2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	9.92	1.42
09 29 10 00-0107	LF	3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	12.19	1.42
09 29 10 00-0108	LF	4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	16.53	1.42
09 29 10 00-0109	LF	3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	11.34	1.42
09 29 10 00-0110	LF	3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	11.72	1.42
09 29 10 00-0111	LF	4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	12.99	1.42
09 29 10 00-0112	LF	4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	13.13	1.42
09 29 10 00-0113	LF	9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board.....	14.98	1.42
09 29 10 00-0114	LF	5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board.....	12.24	1.42
<b>09 29 10 00-0115</b>		<b>'V' Groove Wall Reveals For Gypsum Board (09 29 10 00-0052)</b>		
09 29 10 00-0116	LF	1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	8.38	1.96
09 29 10 00-0117	LF	3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	9.59	2.18
09 29 10 00-0118	LF	1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	10.91	2.62
09 29 10 00-0119	LF	9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	11.06	2.83
<b>09 29 10 00-0120</b>		<b>Double Fin Wall Reveals For Gypsum Board (09 29 10 00-0052)</b>		
09 29 10 00-0121	LF	3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	7.96	1.31
09 29 10 00-0122	LF	1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	8.05	1.31
09 29 10 00-0123	LF	1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	8.14	1.31
09 29 10 00-0124	LF	3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	8.14	1.31
09 29 10 00-0125	LF	1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	8.57	1.31
09 29 10 00-0126	LF	5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	8.76	1.29
09 29 10 00-0127	LF	3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	8.95	1.31
09 29 10 00-0128	LF	1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.37	1.31
09 29 10 00-0129	LF	1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	10.08	1.31
09 29 10 00-0130	LF	2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	10.84	1.31
09 29 10 00-0131	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	8.41	1.42
09 29 10 00-0132	LF	1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	8.51	1.42
09 29 10 00-0133	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	8.70	1.42
09 29 10 00-0134	LF	1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.12	1.42
09 29 10 00-0135	LF	5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.31	1.42
09 29 10 00-0136	LF	3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.45	1.42
09 29 10 00-0137	LF	1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.92	1.42
09 29 10 00-0138	LF	1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	10.68	1.42
09 29 10 00-0139	LF	2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	11.43	1.42
09 29 10 00-0140	LF	3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	13.46	1.42
09 29 10 00-0141	LF	4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	17.71	1.42
09 29 10 00-0142	LF	1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	15.84	1.55
09 29 10 00-0143	LF	3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	18.00	1.89
09 29 10 00-0144	LF	1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	18.62	1.89
09 29 10 00-0145	LF	1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board.....	14.42	1.29
09 29 10 00-0146	LF	1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board.....	13.23	1.89
09 29 10 00-0147	LF	1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board.....	9.51	1.29
<b>09 29 10 00-0148</b>		<b>Special Conditions Reveals For Gypsum Board (09 29 10 00-0052)</b>		
<b>09 29 10 00-0149</b>		<b>Radius Conditions (09 29 10 00-0148)</b>		
09 29 10 00-0150	EA	8' Long Inside Radius For Gypsum Board..... Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	118.05	
09 29 10 00-0151	EA	8' Long Outside Radius For Gypsum Board..... Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	118.05	
09 29 10 00-0152	EA	8' Long Circular / Arched Radius For Gypsum Board..... Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	118.05	
<b>09 29 10 00-0153</b>		<b>Knee Brace Kit (09 29 10 00-0148)</b>		
09 29 10 00-0154	EA	46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board.....	253.89	13.62
<b>09 29 10 00-0155</b>		<b>Wall Bumper Rail (09 29 10 00-0148)</b>		
09 29 10 00-0156	LF	2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board.....	34.50	5.45
<b>09 29 10 00-0157</b>		<b>Corners For Gypsum Board (09 29 10 00-0052)</b>		
09 29 10 00-0158	LF	1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	7.34	1.31
09 29 10 00-0159	LF	5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	7.85	1.42
09 29 10 00-0160	LF	3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	8.72	1.48
09 29 10 00-0161	LF	1"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	9.75	1.55
09 29 10 00-0162	LF	1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	11.82	1.89
09 29 10 00-0163	LF	2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	13.70	2.12



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0164	LF		2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	16.66	2.44
09 29 10 00-0165	LF		3" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	20.27	2.84
09 29 10 00-0166	LF		4" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	27.86	3.79
09 29 10 00-0167	LF		90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board.....	7.34	1.26
09 29 10 00-0168	LF		90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board.....	13.60	1.70
09 29 10 00-0169	LF		90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board.....	9.68	1.70
09 29 10 00-0170	LF		90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board.....	17.75	1.70
09 29 10 00-0171	LF		45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board.....	25.32	2.12
09 29 10 00-0172	LF		60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board.....	24.28	2.12
09 29 10 00-0173	LF		3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board.....	7.16	1.48
09 29 10 00-0174	LF		5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board.....	7.23	1.42
09 29 10 00-0175	LF		1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	7.29	1.31
09 29 10 00-0176	LF		5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	7.66	1.42
09 29 10 00-0177	LF		1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	10.36	1.55
09 29 10 00-0178	LF		1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	9.14	1.31
09 29 10 00-0179	LF		5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	9.64	1.42
09 29 10 00-0180	LF		1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	14.23	1.55
09 29 10 00-0181	LF		1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board.....	15.75	1.31
09 29 10 00-0182	LF		3" Aluminum Extrusions, Bullnose For Gypsum Board.....	26.93	2.84
09 29 10 00-0183	LF		3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board.....	28.82	2.84
09 29 10 00-0184	LF		5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board.....	53.46	4.73
09 29 10 00-0185	LF		7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board.....	88.95	6.70
09 29 10 00-0186	LF		3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	8.77	1.46
09 29 10 00-0187	LF		1" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	10.03	1.53
09 29 10 00-0188	LF		1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	12.05	1.86
09 29 10 00-0189	LF		2"R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	14.84	2.09
09 29 10 00-0190	LF		2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	21.15	2.40
09 29 10 00-0191	LF		3"R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	22.82	2.80
09 29 10 00-0192	LF		4" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	25.79	3.72
09 29 10 00-0193	LF		3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	16.30	2.80
09 29 10 00-0194	LF		3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	16.54	2.80
09 29 10 00-0195	LF		4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	18.05	2.80
09 29 10 00-0196	LF		5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	18.52	2.80

**09 29 82 Gypsum Board Fire Protection (09 29)**

09 29 82 00-0001			<b>Shaft Wall</b> <small>(09 29 82)</small>		
			See CSI section 09 29 10 00-0036 for finishing drywall.		
09 29 82 00-0002	SF		3/4" Fire Rated Shaft Wall Assembly.....	7.13	2.73
			Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.		
			<i>For Horizontal Installation Up To 10' High, Add</i>	1.85	
			<i>For Horizontal Installation &gt;10' High, Add</i>	2.73	
			<i>For Walls &gt;10' High, Add</i>	0.44	
			<i>For Up To 128, Add</i>	2.52	
			<i>For &gt;128 To 320, Add</i>	1.53	
			<i>For &gt;1,536, Deduct</i>	-0.52	
09 29 82 00-0003	SF		7/8" Fire Rated Shaft Wall Assembly.....	8.25	3.27
			Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.		
			<i>For Horizontal Installation Up To 10' High, Add</i>	2.22	
			<i>For Horizontal Installation &gt;10' High, Add</i>	3.27	
			<i>For Walls &gt;10' High, Add</i>	0.52	
			<i>For Up To 128, Add</i>	2.96	
			<i>For &gt;128 To 320, Add</i>	1.81	
			<i>For &gt;1,536, Deduct</i>	-0.58	
09 29 82 00-0004	SF		2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly.....	7.40	2.10
			Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
			<i>For Horizontal Installation Up To 10' High, Add</i>	1.43	
			<i>For Horizontal Installation &gt;10' High, Add</i>	2.10	
			<i>For Walls &gt;10' High, Add</i>	0.34	
			<i>For Up To 128, Add</i>	2.32	
			<i>For &gt;128 To 320, Add</i>	1.37	
			<i>For Glass Mat Surfaces, Add</i>	0.28	
09 29 82 00-0005	SF		4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly.....	8.00	2.21
			Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
			<i>For Horizontal Installation Up To 10' High, Add</i>	1.50	
			<i>For Horizontal Installation &gt;10' High, Add</i>	2.20	
			<i>For Walls &gt;10' High, Add</i>	0.35	
			<i>For Up To 128, Add</i>	2.48	
			<i>For &gt;128 To 320, Add</i>	1.46	
			<i>For Glass Mat Surfaces, Add</i>	0.28	
09 29 82 00-0006	SF		2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly.....	9.03	2.21
			Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
			<i>For Horizontal Installation Up To 10' High, Add</i>	1.50	
			<i>For Horizontal Installation &gt;10' High, Add</i>	2.20	
			<i>For Walls &gt;10' High, Add</i>	0.35	
			<i>For Up To 128, Add</i>	2.69	
			<i>For &gt;128 To 320, Add</i>	1.56	
			<i>For Glass Mat Surfaces, Add</i>	0.28	

**09 Finishes**  
**09 20 Plaster and Gypsum Board**  
**09 29 Gypsum Board**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 82 00-0007	SF		4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly .....9.66		2.31
			Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
			For Horizontal Installation Up To 10' High, Add	1.57	
			For Horizontal Installation >10' High, Add	2.31	
			For Walls >10' High, Add	0.37	
			For Up To 128, Add	2.86	
			For >128 To 320, Add	1.66	
			For Glass Mat Surfaces, Add	0.28	

**09 30 Tiling**<sup>(09)</sup>

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods. Includes initial wax and seal.

**09 30 13 Ceramic Tiling**<sup>(09 30)</sup>

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

**09 30 13 00-0001 Ceramic Tiling**<sup>(09 30 13)</sup>

09 30 13 00-0002	SF		2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Floor Tile .....16.07		2.78
			Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
			For Up To 50, Add	8.18	
			For >50 To 250, Add	1.11	
			For >1,000, Deduct	-0.56	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.21	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.38	
09 30 13 00-0003	SF		Less Than 8" x 8", Mounted, Ceramic Floor Tile .....12.76		2.78
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
			For Up To 50, Add	7.35	
			For >50 To 250, Add	1.11	
			For >1,000, Deduct	-0.56	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.21	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.38	
09 30 13 00-0004	SF		8" x 8" And Larger Unmounted Ceramic Floor Tile .....14.15		1.73
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
			For Up To 50, Add	8.74	
			For >50 To 250, Add	1.39	
			For >1,000, Deduct	-0.69	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.59	
09 30 13 00-0005	SF		2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Wall Tile .....17.25		3.36
			Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
			For Up To 50, Add	9.36	
			For >50 To 250, Add	1.35	
			For >1,000, Deduct	-0.67	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.39	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.56	
09 30 13 00-0006	SF		Less than 8" x 8" Mounted Ceramic Wall Tile .....13.94		3.36
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
			For Up To 50, Add	8.53	
			For >50 To 250, Add	1.35	
			For >1,000, Deduct	-0.67	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.39	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.56	
09 30 13 00-0007	SF		8" x 8" And Larger Unmounted Ceramic Wall Tile .....15.72		2.13
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
			For Up To 50, Add	10.31	
			For >50 To 250, Add	1.70	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.66	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.83	
09 30 13 00-0008	SF		Less than 8" x 8" Mounted Ceramic Ceiling Tile .....18.87		5.83
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
			For High-Modulus, High-Strength Epoxy Grout, Add	2.13	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	2.30	
			For Up To 50, Add	13.46	
			For >50 To 250, Add	2.33	
			For >1,000, Deduct	-1.17	
09 30 13 00-0009	SF		8" x 8" And Larger Unmounted Ceramic Ceiling Tile .....21.21		3.49
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
			For High-Modulus, High-Strength Epoxy Grout, Add	2.48	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	2.65	
			For Up To 50, Add	15.80	
			For >50 To 250, Add	2.80	
			For >1,000, Deduct	-1.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 13 00-0010 LF 4-1/4" To 4-1/2" High, Ceramic Cove Base Or Trim ..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.65 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 1.74	11.49	2.42
09 30 13 00-0011 LF 6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio) ..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.65 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 1.74	19.01	2.42
09 30 13 00-0012 LF 6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio) ..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.65 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 1.74	21.55	2.42
09 30 13 00-0013 EA 6" High, Unpolished Ceramic Cove Base Outer Corner.....	17.73	0.53
<b>09 30 13 00-0014 Residential Ceramic Tiling (09 30 13)</b>		
09 30 13 00-0015 SF Mounted Ceramic Floor Tile, Residential Grade ..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> 6.69 <i>For &gt;50 To 250, Add</i> 1.11 <i>For &gt;1,000, Deduct</i> -0.56 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.21	10.09	2.78
09 30 13 00-0016 SF Mounted Ceramic Wall Tile, Residential Grade ..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> 7.87 <i>For &gt;50 To 250, Add</i> 1.35 <i>For &gt;1,000, Deduct</i> -0.67 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.39	11.27	3.36
09 30 13 00-0017 SF 2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade ..... Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets. <i>For Up To 50, Add</i> 6.95 <i>For &gt;50 To 250, Add</i> 1.11 <i>For &gt;1,000, Deduct</i> -0.56 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.21	11.16	2.78
<b>09 30 16 Quarry Tiling (09 30)</b>		
Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.		
09 30 16 00-0001 SF Unglazed Quarry Floor Tile..... Note: With or without embedded abrasive grit. <i>For Up To 50, Add</i> 8.52 <i>For &gt;50 To 250, Add</i> 1.55 <i>For &gt;1,000, Deduct</i> -0.78 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.55 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 1.72	10.76	1.96
09 30 16 00-0002 SF Glazed Quarry Floor Tile..... <i>For Up To 50, Add</i> 10.81 <i>For &gt;50 To 250, Add</i> 1.55 <i>For &gt;1,000, Deduct</i> -0.78 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.55 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 1.72	19.94	1.96
09 30 16 00-0003 SF Unglazed Quarry Wall Tile..... Note: With or without embedded abrasive grit. <i>For Up To 50, Add</i> 10.08 <i>For &gt;50 To 250, Add</i> 1.87 <i>For &gt;1,000, Deduct</i> -0.93 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.78 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 1.95	12.32	2.31
09 30 16 00-0004 SF Glazed Quarry Wall Tile..... <i>For Up To 50, Add</i> 12.37 <i>For &gt;50 To 250, Add</i> 1.87 <i>For &gt;1,000, Deduct</i> -0.93 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.78 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 1.95	21.50	2.31
09 30 16 00-0005 LF 6" High Unglazed Quarry Tile Cove Base Or Trim..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.73 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 1.82	14.91	2.57
09 30 16 00-0006 LF 6" High Glazed Quarry Tile Cove Base Or Trim ..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.73 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 1.82	29.96	2.57
<b>09 30 33 Stone Tiling (09 30)</b>		
Note: Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.		
<b>09 30 33 00-0001 Marble Floor Tile (09 30 33)</b>		
09 30 33 00-0002 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cherry Blossom"..... <i>For Up To 50, Add</i> 8.17 <i>For &gt;50 To 250, Add</i> 1.39 <i>For &gt;1,000, Deduct</i> -0.69 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.42 <i>For Heavy Duty Floors With A PEI 5 Rating, Add</i> 1.00	11.85	1.73

## 09 Finishes

## 09 30 Tiling

## 09 30 33 Stone Tiling



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0003	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Laurent Brown" .....	12.31	1.73
			For Up To 50, Add	8.28	
			For >50 To 250, Add	1.39	
			For >1,000, Deduct	-0.69	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0004	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Temple Gray" .....	12.55	1.73
			For Up To 50, Add	8.34	
			For >50 To 250, Add	1.39	
			For >1,000, Deduct	-0.69	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0005	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Cafe" .....	12.66	1.73
			For Up To 50, Add	8.37	
			For >50 To 250, Add	1.39	
			For >1,000, Deduct	-0.69	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0006	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "China Black" .....	12.73	1.73
			For Up To 50, Add	8.39	
			For >50 To 250, Add	1.39	
			For >1,000, Deduct	-0.69	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0007	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Sea Grass Honed" .....	12.83	1.73
			For Up To 50, Add	8.41	
			For >50 To 250, Add	1.39	
			For >1,000, Deduct	-0.69	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0008	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Gris Magma or Gris Nebula" .....	13.08	1.73
			For Up To 50, Add	8.48	
			For >50 To 250, Add	1.39	
			For >1,000, Deduct	-0.69	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0009	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Dark Green" .....	14.67	1.73
			For Up To 50, Add	8.87	
			For >50 To 250, Add	1.39	
			For >1,000, Deduct	-0.69	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0010	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cappuccino Light" .....	14.85	1.73
			For Up To 50, Add	8.92	
			For >50 To 250, Add	1.39	
			For >1,000, Deduct	-0.69	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0011	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Cream" .....	15.18	1.73
			For Up To 50, Add	9.00	
			For >50 To 250, Add	1.39	
			For >1,000, Deduct	-0.69	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0012	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Classic" .....	15.55	1.73
			For Up To 50, Add	9.09	
			For >50 To 250, Add	1.39	
			For >1,000, Deduct	-0.69	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0013	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato Carrara" .....	15.81	1.73
			For Up To 50, Add	9.16	
			For >50 To 250, Add	1.39	
			For >1,000, Deduct	-0.69	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0014	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Giallo Crystal Onyx" .....	16.69	1.73
			For Up To 50, Add	9.38	
			For >50 To 250, Add	1.39	
			For >1,000, Deduct	-0.69	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0015	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cafe Forest or Rain Forest" .....	18.34	1.73
			For Up To 50, Add	9.79	
			For >50 To 250, Add	1.39	
			For >1,000, Deduct	-0.69	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0016	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato" .....	18.44	1.73
			For Up To 50, Add	9.82	
			For >50 To 250, Add	1.39	
			For >1,000, Deduct	-0.69	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0017 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Carrara White" .....	19.67	1.73
For Up To 50, Add	10.12	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0018 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Select Or Sahara Gold" .....	20.09	1.73
For Up To 50, Add	10.23	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0019 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Fiorito Or Michelangelo" .....	20.27	1.73
For Up To 50, Add	10.27	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0020 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Antique" .....	20.55	1.73
For Up To 50, Add	10.34	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0021 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Dark Or Super Thassos Glass" .....	22.83	1.73
For Up To 50, Add	10.91	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0022 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rosa Verona" .....	24.12	1.73
For Up To 50, Add	11.24	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0023 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rojo Alicante" .....	24.47	1.73
For Up To 50, Add	11.32	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0024 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Light" .....	24.65	1.73
For Up To 50, Add	11.37	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
<b>09 30 33 00-0025 Granite Floor Tile</b> <small>(09 30 33)</small>		
09 30 33 00-0026 SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Crystal Gray" .....	10.62	1.73
For Up To 50, Add	7.86	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0027 SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Peach Flower" .....	11.50	1.73
For Up To 50, Add	8.08	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0028 SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Golden Yellow" .....	12.20	1.73
For Up To 50, Add	8.26	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0029 SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Absolute Black" .....	15.01	1.73
For Up To 50, Add	8.96	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0030 SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tan Brown" .....	15.55	1.73
For Up To 50, Add	9.09	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	

**09 Finishes****09 30 Tiling****09 30 33 Stone Tiling**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 30 33 00-0031	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Black Galaxy" .....	16.06	1.73
	For Up To 50, Add	9.22	
	For >50 To 250, Add	1.39	
	For >1,000, Deduct	-0.69	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0032	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Kashmir White Or Gold" .....	16.58	1.73
	For Up To 50, Add	9.35	
	For >50 To 250, Add	1.39	
	For >1,000, Deduct	-0.69	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0033	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Giallo Santa Cecelia" .....	17.22	1.73
	For Up To 50, Add	9.51	
	For >50 To 250, Add	1.39	
	For >1,000, Deduct	-0.69	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0034	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Verde UbaTuba" .....	17.81	1.73
	For Up To 50, Add	9.66	
	For >50 To 250, Add	1.39	
	For >1,000, Deduct	-0.69	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0035	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "New Venetian Gold" .....	18.44	1.73
	For Up To 50, Add	9.82	
	For >50 To 250, Add	1.39	
	For >1,000, Deduct	-0.69	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0036	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tropic Brown" .....	19.04	1.73
	For Up To 50, Add	9.97	
	For >50 To 250, Add	1.39	
	For >1,000, Deduct	-0.69	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0037	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Baltic Brown Or Indian Dakota" .....	19.74	1.73
	For Up To 50, Add	10.14	
	For >50 To 250, Add	1.39	
	For >1,000, Deduct	-0.69	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0038	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Dynamic Blue" .....	20.44	1.73
	For Up To 50, Add	10.32	
	For >50 To 250, Add	1.39	
	For >1,000, Deduct	-0.69	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0039	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Blue Pearl Or Emerald Pearl" .....	22.90	1.73
	For Up To 50, Add	10.93	
	For >50 To 250, Add	1.39	
	For >1,000, Deduct	-0.69	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
<b>09 30 33 00-0040</b>	<b>Slate Floor Tile</b> <small>(09 30 33)</small>		
09 30 33 00-0041	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Raja Classic" .....	9.57	1.73
	For Up To 50, Add	7.60	
	For >50 To 250, Add	1.39	
	For >1,000, Deduct	-0.69	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0042	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Rustic Gold" .....	10.03	1.73
	For Up To 50, Add	7.71	
	For >50 To 250, Add	1.39	
	For >1,000, Deduct	-0.69	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0043	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "California Gold Or Black Rust" .....	10.27	1.73
	For Up To 50, Add	7.77	
	For >50 To 250, Add	1.39	
	For >1,000, Deduct	-0.69	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0044	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Indian Autumn" .....	10.27	1.73
	For Up To 50, Add	7.77	
	For >50 To 250, Add	1.39	
	For >1,000, Deduct	-0.69	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	





<b>Finishes</b>	<b>09</b>	<b>09</b>
Tiling	09 30	
Stone Tiling	09 30 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0045 SF 12" x 12" And Larger Unmounted Slate Floor Tile, "China Multi, Earth, Or Autumn Blend".....	10.45	1.73
For Up To 50, Add	7.82	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0046 SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Lilac Kashmir Or Madras Yellow".....	10.97	1.73
For Up To 50, Add	7.95	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0047 SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Montauk Blue, Copper Quartzite, Montauk Black, San Rio Rustic, Or Gold Green Quartzite".....	11.50	1.73
For Up To 50, Add	8.08	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0048 SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Ocean Green Quartzite Or Golden White Quartzite".....	11.68	1.73
For Up To 50, Add	8.13	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
<b>09 30 33 00-0049 Travertine Floor Tile</b> <small>(09 30 33)</small>		
09 30 33 00-0050 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Noce Rustic".....	11.50	1.73
For Up To 50, Add	8.08	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0051 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Denizli Beige Or Oasis Walnut".....	12.03	1.73
For Up To 50, Add	8.21	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0052 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Gold".....	12.38	1.73
For Up To 50, Add	8.30	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0053 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Navona Light - Ivory".....	12.90	1.73
For Up To 50, Add	8.43	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0054 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Noce".....	13.08	1.73
For Up To 50, Add	8.48	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0055 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Antique".....	13.25	1.73
For Up To 50, Add	8.52	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0056 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Cream".....	14.94	1.73
For Up To 50, Add	8.94	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
<b>09 30 33 00-0057 Limestone Floor Tile</b> <small>(09 30 33)</small>		
09 30 33 00-0058 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Isis Gold".....	14.83	1.73
For Up To 50, Add	8.91	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0059 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Tiara Beige".....	15.36	1.73
For Up To 50, Add	9.05	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
For High-Modulus, High-Strength Epoxy Grout, Add	1.42	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	

<b>09</b>	<b>09 Finishes</b>
	<b>09 30 Tiling</b>
	<b>09 30 33 Stone Tiling</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0060	SF		12" x 12" And Larger Unmounted Limestone Floor Tile, "Halila Cream".....	18.09	1.73
			<i>For Up To 50, Add</i>	9.73	
			<i>For &gt;50 To 250, Add</i>	1.39	
			<i>For &gt;1,000, Deduct</i>	-0.69	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.42	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0061	SF		12" x 12" And Larger Unmounted Limestone Floor Tile, "Ramon Gold".....	19.74	1.73
			<i>For Up To 50, Add</i>	10.14	
			<i>For &gt;50 To 250, Add</i>	1.39	
			<i>For &gt;1,000, Deduct</i>	-0.69	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.42	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0062	SF		12" x 12" And Larger Unmounted Limestone Floor Tile, "Chestnut Brown Or Jerusalem Bone".....	19.74	1.73
			<i>For Up To 50, Add</i>	10.14	
			<i>For &gt;50 To 250, Add</i>	1.39	
			<i>For &gt;1,000, Deduct</i>	-0.69	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.42	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0063	SF		12" x 12" And Larger Unmounted Limestone Floor Tile, "Lagos Blue".....	20.27	1.73
			<i>For Up To 50, Add</i>	10.27	
			<i>For &gt;50 To 250, Add</i>	1.39	
			<i>For &gt;1,000, Deduct</i>	-0.69	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.42	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0064	SF		12" x 12" And Larger Unmounted Limestone Floor Tile, "Jura Gray".....	22.20	1.73
			<i>For Up To 50, Add</i>	10.76	
			<i>For &gt;50 To 250, Add</i>	1.39	
			<i>For &gt;1,000, Deduct</i>	-0.69	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.42	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	

**09 31 Thin-Set Tiling** (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

**09 31 13 Thin-Set Ceramic Tiling** (09 31)

**09 31 13 00-0001 Thin-Set Ceramic Tiling** (09 31 13)

09 31 13 00-0002	SF		Thin Set - Latex Portland Cement Mortar.....	1.70	0.92
			<i>For Up To 50, Add</i>	1.47	
			<i>For &gt;50 To 250, Add</i>	0.28	
			<i>For &gt;1,000, Deduct</i>	-0.14	
09 31 13 00-0003	SF		Clean And Scarify Existing Tile For Installation Of New Tile Over Existing.....	0.88	
			<i>For Up To 50, Add</i>	0.88	
			<i>For &gt;50 To 250, Add</i>	0.18	
			<i>For &gt;1,000, Deduct</i>	-0.09	

**09 32 Mortar-Bed Tiling** (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

**09 32 13 Mortar-Bed Ceramic Tiling** (09 32)

**09 32 13 00-0001 Mortar-Bed Ceramic Tiling** (09 32 13)

09 32 13 00-0002	SF		3/4" Minimum Thickness Portland Cement Mortar Setting Bed.....	4.69	1.85
			Note: For residential floors. Includes 15 LB felt and wire reinforcement.		
			<i>For Up To 50, Add</i>	3.25	
			<i>For &gt;50 To 250, Add</i>	0.55	
			<i>For &gt;1,000, Deduct</i>	-0.28	
			<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
09 32 13 00-0003	SF		1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed.....	6.48	2.47
			Note: For commercial floors. Includes 15 LB felt and wire reinforcement.		
			<i>For Up To 50, Add</i>	4.40	
			<i>For &gt;50 To 250, Add</i>	0.74	
			<i>For &gt;1,000, Deduct</i>	-0.37	
			<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
09 32 13 00-0004	SF		3/4" Portland Cement Plaster Scratch Coat for Walls.....	13.33	5.55
			Note: Includes 15 LB felt and expanded metal lath.		
			<i>For Up To 50, Add</i>	11.66	
			<i>For &gt;50 To 250, Add</i>	2.22	
			<i>For &gt;1,000, Deduct</i>	-1.11	
			<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
			<i>For Installation Without Felt And Metal Lath, Deduct</i>	-2.08	

**09 34 Waterproofing-Membrane Tiling** (09 30)

**09 34 00 00-0001 Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds** (09 34)

**09 34 00 00-0002 Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST)** (09 34 00 00-0001)

Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.



<b>Finishes</b>	<b>09</b>	
Tiling	09 30	09
Waterproofing-Membrane Tiling	09 34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 34 00 00-0003 EA 48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	1,322.33	
09 34 00 00-0004 EA 32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	1,538.36	
09 34 00 00-0005 EA 72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	2,286.99	
<b>09 34 00 00-0006 Prefabricated Polystyrene Shower Curbs And Ramps</b> (09 34 00 00-0001)		
Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.		
09 34 00 00-0007 EA 15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122).....	160.33	
09 34 00 00-0008 EA 4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122).....	153.72	
<b>09 34 00 00-0009 Prefabricated Polystyrene Shower Benches</b> (09 34 00 00-0001)		
Note: Prefabricated shower bench for tiling over. Excludes tile.		
09 34 00 00-0010 EA 16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41).....	335.96	
09 34 00 00-0011 EA 32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181).....	677.25	
09 34 00 00-0012 EA 48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122).....	836.51	
09 34 00 00-0013 EA 32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981).....	608.99	
09 34 00 00-0014 EA 42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107).....	677.25	
09 34 00 00-0015 EA 48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122).....	722.75	
<b>09 34 00 00-0016 Prefabricated Polystyrene Shower Tray</b> (09 34 00 00-0001)		
Note: Prefabricated shower tray for tiling over. Excludes tile.		
09 34 00 00-0017 EA 32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152).....	285.47	
09 34 00 00-0018 EA 48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122).....	285.47	
09 34 00 00-0019 EA 72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183).....	444.74	
<b>09 34 00 00-0020 Waterproofing, Uncoupling And Vapor Management Membranes</b> <b>(Schluter® DITRA)</b> (09 34 00 00-0001)		
09 34 00 00-0021 SF 1/8" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA).....	4.92	
09 34 00 00-0022 SF 5/16" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL).....	5.71	
<b>09 34 00 00-0023 Bonded Waterproof Underlayment Membranes (Schluter® KERDI)</b> (09 34 00 00-0001)		
09 34 00 00-0024 SF 0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M).....	4.30	
<b>09 35 Chemical-Resistant Tiling</b> (09 30)		
Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.		
<b>09 35 13 Chemical-Resistant Ceramic Tiling</b> (09 35)		
<b>09 35 13 00-0001 Chemical-Resistant Ceramic Tiling</b> (09 35 13)		
09 35 13 00-0002 SF Thin Set - Epoxy Mortar.....	5.65	1.22
Note: Impact and chemical resistant.		
For Up To 50, Add	2.80	
For >50 To 250, Add	0.37	
For >1,000, Deduct	-0.19	
<b>09 39 Tiling Transitions</b> (09 30)		
<b>09 39 00 00-0001 Tile Waterproofing And Crack Prevention</b> (09 39)		
09 39 00 00-0002 CSF 30 Mil Waterproofing And Crack Prevention Membrane; RedGard.....	119.26	
<b>09 39 00 00-0003 Waterproof Strip Membranes (Schluter® KERDI)</b> (09 39)		
09 39 00 00-0004 LF 5" Wide, 4 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI BAND).....	5.16	
09 39 00 00-0005 LF 10" Wide, 12 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI FLEX).....	11.22	
<b>09 39 00 00-0006 Coved Shaped Transition Profiles For Floor To Wall For Tile</b> (09 39)		
09 39 00 00-0007 LF 5/16" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK).....	7.37	
09 39 00 00-0008 LF 3/8" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK).....	7.35	
09 39 00 00-0009 LF 1/2" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK).....	7.63	
09 39 00 00-0010 LF 5/16" Height, PVC Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK).....	6.99	
09 39 00 00-0011 LF 3/8" Height, Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK).....	7.28	
<b>09 39 00 00-0012 Coved Shaped Inside Edge Protection And Transition Profiles For Wall To Wall For Tile</b> (09 39)		
09 39 00 00-0013 LF 9/32" x 9/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK).....	15.39	
09 39 00 00-0014 LF 11/32" x 11/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK).....	15.84	
09 39 00 00-0015 LF 7/16" x 7/16" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK).....	16.33	

<b>09</b>	<b>09 Finishes</b>
	<b>09 30 Tiling</b>
	<b>09 39 Tiling Transitions</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>09 39 00 00-0016</b>	<b>Tile Substrate (Schluter® KERDI BOARD) <small>(09 39)</small></b>		
09 39 00 00-0017	SF 1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD) .....	8.98	0.77
09 39 00 00-0018	SF 5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD) .....	10.11	0.88

<b>09 39 00 00-0019</b>	<b>Floor Edge Protection And Transition Profiles For Tile <small>(09 39)</small></b>		
09 39 00 00-0020	LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE) .....	3.75	
09 39 00 00-0021	LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE) .....	3.87	
09 39 00 00-0022	LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE) .....	4.00	
09 39 00 00-0023	LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE) .....	4.21	
09 39 00 00-0024	LF 1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS) .....	5.04	
09 39 00 00-0025	LF 5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS) .....	5.21	
09 39 00 00-0026	LF 3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS) .....	5.33	
09 39 00 00-0027	LF 1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS) .....	5.46	
09 39 00 00-0028	LF 9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T) .....	3.94	
09 39 00 00-0029	LF 1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T) .....	5.46	
09 39 00 00-0030	LF 1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK) .....	5.07	
09 39 00 00-0031	LF 5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK) .....	5.34	
09 39 00 00-0032	LF 3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK) .....	5.61	
09 39 00 00-0033	LF 1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK) .....	6.82	
09 39 00 00-0034	LF 5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U) .....	5.25	
09 39 00 00-0035	LF 3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U) .....	5.52	
09 39 00 00-0036	LF 1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U) .....	6.74	

<b>09 39 00 00-0037</b>	<b>Outside Wall Edge Protection And Transition Profiles For Tile <small>(09 39)</small></b>		
09 39 00 00-0038	LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC) .....	5.22	
09 39 00 00-0039	LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC) .....	5.51	
09 39 00 00-0040	LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC) .....	5.92	
09 39 00 00-0041	LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC) .....	6.35	
09 39 00 00-0042	LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC) .....	5.80	
09 39 00 00-0043	LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC) .....	6.34	
09 39 00 00-0044	LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC) .....	6.87	
09 39 00 00-0045	LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC) .....	7.82	

**09 50 Ceilings (09)**

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

**09 51 Acoustical Ceilings (09 51)**

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

**09 51 13 Acoustical Panel Ceilings (09 51)**

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

**09 51 13 00-0001 Fiberglass Panels (09 51 13)**

**09 51 13 00-0002 Fiberglass Acoustical Panels (09 51 13 00-0001)**

Note: Includes square or tegular edge and class A fire rating.

09 51 13 00-0003	SF 2' x 2' x 3/4" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3150) .....	6.98	0.43
	For Up To 50, Add	1.62	
	For >50 To 200, Add	0.98	
	For >200 To 500, Add	0.42	
	For >2,500 To 4,000, Deduct	-0.17	
	For >4,000 To 5,000, Deduct	-0.35	
	For >5,000, Deduct	-0.56	
	For Individual Room Quantities <495, Add	0.98	
	Note: For use with projects >500 SF		
	For Ceilings >10' High, Add	0.11	
09 51 13 00-0004	SF 2' x 4' x 3/4" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3151) .....	7.23	0.43
	For Up To 50, Add	1.65	
	For >50 To 200, Add	1.01	
	For >200 To 500, Add	0.43	
	For >2,500 To 4,000, Deduct	-0.18	
	For >4,000 To 5,000, Deduct	-0.36	
	For >5,000, Deduct	-0.58	
	For Individual Room Quantities <495, Add	1.01	
	Note: For use with projects >500 SF		
	For Ceilings >10' High, Add	0.11	
09 51 13 00-0005	SF 2' x 2' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3152) .....	7.79	0.54
	For Up To 50, Add	1.78	
	For >50 To 200, Add	1.08	
	For >200 To 500, Add	0.47	
	For >2,500 To 4,000, Deduct	-0.19	
	For >4,000 To 5,000, Deduct	-0.39	
	For >5,000, Deduct	-0.62	
	For Individual Room Quantities <495, Add	1.08	
	Note: For use with projects >500 SF		
	For Ceilings >10' High, Add	0.11	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0006 SF 2' x 4' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3153) .....	7.75	0.54
For Up To 50, Add	1.77	
For >50 To 200, Add	1.08	
For >200 To 500, Add	0.46	
For >2,500 To 4,000, Deduct	-0.19	
For >4,000 To 5,000, Deduct	-0.39	
For >5,000, Deduct	-0.62	
For Individual Room Quantities <495, Add	1.08	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.11	
09 51 13 00-0007 SF 2' x 2' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™ 8372) .....	12.42	0.54
For Up To 50, Add	2.47	
For >50 To 200, Add	1.55	
For >200 To 500, Add	0.70	
For >2,500 To 4,000, Deduct	-0.31	
For >4,000 To 5,000, Deduct	-0.62	
For >5,000, Deduct	-0.97	
For Individual Room Quantities <495, Add	1.55	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.11	
09 51 13 00-0008 SF 2' x 4' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™ 8373) .....	12.42	0.54
For Up To 50, Add	2.47	
For >50 To 200, Add	1.55	
For >200 To 500, Add	0.70	
For >2,500 To 4,000, Deduct	-0.31	
For >4,000 To 5,000, Deduct	-0.62	
For >5,000, Deduct	-0.97	
For Individual Room Quantities <495, Add	1.55	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.11	
<b>09 51 13 00-0009 Mineral Fiber Panels (09 51 13)</b>		
<b>09 51 13 00-0010 Mineral Fiber Acoustical Ceiling Panels (09 51 13 00-0009)</b>		
Note: Includes square or tegular edge and class A fire rating.		
09 51 13 00-0011 SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured) .....	2.69	0.43
For Up To 50, Add	0.97	
For >50 To 200, Add	0.55	
For >200 To 500, Add	0.21	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.13	
For >5,000, Deduct	-0.24	
For Individual Room Quantities <495, Add	0.55	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.64	
For Ceilings >10' High, Add	0.11	
09 51 13 00-0012 SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured) .....	2.49	0.43
For Up To 50, Add	0.94	
For >50 To 200, Add	0.53	
For >200 To 500, Add	0.20	
For >2,500 To 4,000, Deduct	-0.06	
For >4,000 To 5,000, Deduct	-0.12	
For >5,000, Deduct	-0.22	
For Individual Room Quantities <495, Add	0.53	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.64	
For Ceilings >10' High, Add	0.11	
09 51 13 00-0013 SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™) .....	3.01	0.43
For Up To 50, Add	1.02	
For >50 To 200, Add	0.59	
For >200 To 500, Add	0.22	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.15	
For >5,000, Deduct	-0.26	
For Individual Room Quantities <495, Add	0.59	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.64	
For Ceilings >10' High, Add	0.11	
09 51 13 00-0014 SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™) .....	2.91	0.43
For Up To 50, Add	1.00	
For >50 To 200, Add	0.58	
For >200 To 500, Add	0.22	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.15	
For >5,000, Deduct	-0.25	
For Individual Room Quantities <495, Add	0.58	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.64	
For Ceilings >10' High, Add	0.11	

## 09 Finishes

## 09 50 Ceilings

## 09 51 Acoustical Ceilings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0015	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	4.48	0.43
			For Up To 50, Add	1.24	
			For >50 To 200, Add	0.73	
			For >200 To 500, Add	0.30	
			For >2,500 To 4,000, Deduct	-0.11	
			For >4,000 To 5,000, Deduct	-0.22	
			For >5,000, Deduct	-0.37	
			For Individual Room Quantities <495, Add	0.73	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.64	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0016	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	3.57	0.43
			For Up To 50, Add	1.10	
			For >50 To 200, Add	0.64	
			For >200 To 500, Add	0.25	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.18	
			For >5,000, Deduct	-0.30	
			For Individual Room Quantities <495, Add	0.64	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.64	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0017	SF		2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.81	0.43
			For Up To 50, Add	1.14	
			For >50 To 200, Add	0.67	
			For >200 To 500, Add	0.26	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.19	
			For >5,000, Deduct	-0.32	
			For Individual Room Quantities <495, Add	0.67	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.64	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0018	SF		2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.38	0.43
			For Up To 50, Add	1.08	
			For >50 To 200, Add	0.62	
			For >200 To 500, Add	0.24	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.17	
			For >5,000, Deduct	-0.29	
			For Individual Room Quantities <495, Add	0.62	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.64	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0019	SF		2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®) .....	4.89	0.43
			For Up To 50, Add	1.30	
			For >50 To 200, Add	0.77	
			For >200 To 500, Add	0.32	
			For >2,500 To 4,000, Deduct	-0.12	
			For >4,000 To 5,000, Deduct	-0.24	
			For >5,000, Deduct	-0.40	
			For Individual Room Quantities <495, Add	0.77	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.64	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0020	SF		2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®) .....	4.88	0.43
			For Up To 50, Add	1.30	
			For >50 To 200, Add	0.77	
			For >200 To 500, Add	0.32	
			For >2,500 To 4,000, Deduct	-0.12	
			For >4,000 To 5,000, Deduct	-0.24	
			For >5,000, Deduct	-0.40	
			For Individual Room Quantities <495, Add	0.77	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.64	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0021	SF		2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™/High Washability) .....	6.53	0.43
			For Up To 50, Add	1.55	
			For >50 To 200, Add	0.94	
			For >200 To 500, Add	0.40	
			For >2,500 To 4,000, Deduct	-0.16	
			For >4,000 To 5,000, Deduct	-0.33	
			For >5,000, Deduct	-0.53	
			For Individual Room Quantities <495, Add	0.94	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.64	
			For Ceilings >10' High, Add	0.11	



		<b>Finishes</b>	<b>09</b>
		Ceilings	09 50
		Acoustical Ceilings	09 51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0022 SF 2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™/High Washability).....	7.16	0.43
For Up To 50, Add	1.64	
For >50 To 200, Add	1.00	
For >200 To 500, Add	0.43	
For >2,500 To 4,000, Deduct	-0.18	
For >4,000 To 5,000, Deduct	-0.36	
For >5,000, Deduct	-0.57	
For Individual Room Quantities <495, Add	1.00	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.64	
For Ceilings >10' High, Add	0.11	
09 51 13 00-0023 SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL Perforated).....	6.25	0.43
For Up To 50, Add	1.51	
For >50 To 200, Add	0.91	
For >200 To 500, Add	0.38	
For >2,500 To 4,000, Deduct	-0.16	
For >4,000 To 5,000, Deduct	-0.31	
For >5,000, Deduct	-0.50	
For Individual Room Quantities <495, Add	0.91	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.64	
For Ceilings >10' High, Add	0.11	
09 51 13 00-0024 SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL Perforated).....	6.22	0.43
For Up To 50, Add	1.50	
For >50 To 200, Add	0.91	
For >200 To 500, Add	0.38	
For >2,500 To 4,000, Deduct	-0.16	
For >4,000 To 5,000, Deduct	-0.31	
For >5,000, Deduct	-0.50	
For Individual Room Quantities <495, Add	0.91	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.64	
For Ceilings >10' High, Add	0.11	
09 51 13 00-0025 SF 20" x 60" x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™2617).....	3.05	0.43
For Ceilings >10' High, Add	0.11	
09 51 13 00-0026 SF 20" x 60" x 5/8" Thick, Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™2627).....	3.38	0.43
For Ceilings >10' High, Add	0.11	
<b>09 51 13 00-0027 Wood Fiber Panels</b> <small>(09 51 13)</small>		
09 51 13 00-0028 SF 2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels.....	5.09	0.65
For Up To 50, Add	1.54	
For >50 To 200, Add	0.90	
For >200 To 500, Add	0.35	
For >2,500 To 4,000, Deduct	-0.13	
For >4,000 To 5,000, Deduct	-0.25	
For >5,000, Deduct	-0.43	
For Individual Room Quantities <495, Add	0.90	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.15	
09 51 13 00-0029 SF 2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels.....	4.89	0.65
For Up To 50, Add	1.43	
For >50 To 200, Add	0.84	
For >200 To 500, Add	0.33	
For >2,500 To 4,000, Deduct	-0.12	
For >4,000 To 5,000, Deduct	-0.24	
For >5,000, Deduct	-0.41	
For Individual Room Quantities <495, Add	0.84	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.13	
09 51 13 00-0030 SF 2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels.....	6.49	0.65
For Up To 50, Add	1.75	
For >50 To 200, Add	1.04	
For >200 To 500, Add	0.42	
For >2,500 To 4,000, Deduct	-0.16	
For >4,000 To 5,000, Deduct	-0.32	
For >5,000, Deduct	-0.54	
For Individual Room Quantities <495, Add	1.04	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.15	
09 51 13 00-0031 SF 2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels.....	6.29	0.65
For Up To 50, Add	1.64	
For >50 To 200, Add	0.98	
For >200 To 500, Add	0.40	
For >2,500 To 4,000, Deduct	-0.16	
For >4,000 To 5,000, Deduct	-0.31	
For >5,000, Deduct	-0.52	
For Individual Room Quantities <495, Add	0.98	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.13	

**09 Finishes****09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0032	SF		2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels .....	7.85	0.65
			For Up To 50, Add	1.95	
			For >50 To 200, Add	1.17	
			For >200 To 500, Add	0.49	
			For >2,500 To 4,000, Deduct	-0.20	
			For >4,000 To 5,000, Deduct	-0.39	
			For >5,000, Deduct	-0.64	
			For Individual Room Quantities <495, Add	1.17	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.15	
09 51 13 00-0033	SF		2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels .....	7.65	0.65
			For Up To 50, Add	1.84	
			For >50 To 200, Add	1.11	
			For >200 To 500, Add	0.47	
			For >2,500 To 4,000, Deduct	-0.19	
			For >4,000 To 5,000, Deduct	-0.38	
			For >5,000, Deduct	-0.62	
			For Individual Room Quantities <495, Add	1.11	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0034	SF		2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels .....	5.91	0.65
			For Up To 50, Add	1.66	
			For >50 To 200, Add	0.98	
			For >200 To 500, Add	0.39	
			For >2,500 To 4,000, Deduct	-0.15	
			For >4,000 To 5,000, Deduct	-0.30	
			For >5,000, Deduct	-0.49	
			For Individual Room Quantities <495, Add	0.98	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.15	
09 51 13 00-0035	SF		2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels .....	5.71	0.65
			For Up To 50, Add	1.55	
			For >50 To 200, Add	0.92	
			For >200 To 500, Add	0.37	
			For >2,500 To 4,000, Deduct	-0.14	
			For >4,000 To 5,000, Deduct	-0.29	
			For >5,000, Deduct	-0.47	
			For Individual Room Quantities <495, Add	0.92	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.13	
<b>09 51 13 00-0036</b>			<b>Removal And Reinstallation Of Acoustical Ceiling Panels</b> (09 51 13)		
			Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		
09 51 13 00-0037	SF		Removal And Reinstallation Of Acoustical Panels Only.....	2.23	
			For Up To 50, Add	1.23	
			For >50 To 200, Add	0.67	
			For >200 To 500, Add	0.22	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.11	
			For >5,000, Deduct	-0.22	
			For Ceilings >10' High, Add	0.17	
<b>09 51 23</b>			<b>Acoustical Tile Ceilings</b> (09 51)		
			Note: Includes fastening with staples and/or adhesive.		
<b>09 51 23 00-0001</b>			<b>Mineral Fiber Acoustical Tile Ceilings</b> (09 51 23)		
09 51 23 00-0002	SF		12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile.....	5.83	1.20
			For Furring 1 x 3 Strips 12" On Center, Add	0.50	
			For Up To 50, Add	1.97	
			For >50 To 200, Add	1.13	
			For >200 To 500, Add	0.43	
			For >2,500, Deduct	-0.29	
			For Ceilings >10' High, Add	0.20	
09 51 23 00-0003	SF		12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile.....	6.99	1.20
			For Furring 1 x 3 Strips 12" On Center, Add	0.50	
			For Up To 50, Add	2.14	
			For >50 To 200, Add	1.25	
			For >200 To 500, Add	0.49	
			For >2,500, Deduct	-0.35	
			For Placing Tiles In Suspended Ceiling System, Deduct	-0.50	
			For Ceilings >10' High, Add	0.20	
09 51 23 00-0004	SF		12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile.....	7.92	1.20
			For Furring 1 x 3 Strips 12" On Center, Add	0.50	
			For Up To 50, Add	2.28	
			For >50 To 200, Add	1.34	
			For >200 To 500, Add	0.53	
			For >2,500, Deduct	-0.40	
			For Placing Tiles In Suspended Ceiling System, Deduct	-0.50	
			For Ceilings >10' High, Add	0.20	
<b>09 51 23 00-0005</b>			<b>Wood Fiber Acoustical Tile Ceilings</b> (09 51 23)		





<b>Finishes</b>	<b>09</b>	<b>CSU</b>
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 23 00-0006 SF 12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile.....	5.35	1.20
For Furring 1 x 3 Strips 12" On Center, Add	0.50	
For Up To 50, Add	1.89	
For >50 To 200, Add	1.08	
For >200 To 500, Add	0.40	
For >2,500, Deduct	-0.27	
For Ceilings >10' High, Add	0.20	
<b>09 51 33 Acoustical Metal Pan Ceilings (09 51)</b>		
<b>09 51 33 13 Acoustical Snap-in Metal Pan Ceilings (09 51 33)</b>		
09 51 33 13-0001 Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13)		
09 51 33 13-0002 SF 24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™).....	22.29	0.96
09 51 33 13-0003 SF 24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™).....	23.87	0.96
<b>09 51 33 13-0004 Aluminum, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13)</b>		
09 51 33 13-0005 SF 24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	16.51	1.09
09 51 33 13-0006 SF 24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	28.23	1.09
09 51 33 13-0007 SF 24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	55.54	1.09
09 51 33 13-0008 SF 24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	24.98	1.09
09 51 33 13-0009 SF 24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	17.45	1.09
09 51 33 13-0010 SF 24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	27.50	1.09
09 51 33 13-0011 SF 24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	55.12	1.09
09 51 33 13-0012 SF 24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	24.78	1.09
09 51 33 13-0013 SF 30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	22.58	1.09
09 51 33 13-0014 SF 30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	29.80	1.09
09 51 33 13-0015 SF 30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	61.30	1.09
09 51 33 13-0016 SF 30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	29.48	1.09
09 51 33 13-0017 SF 30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	23.94	1.09
09 51 33 13-0018 SF 30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	30.53	1.09
09 51 33 13-0019 SF 30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	63.39	1.09
09 51 33 13-0020 SF 30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	30.22	1.09
09 51 33 13-0021 SF 12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	20.38	1.09
09 51 33 13-0022 SF 12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	33.57	1.09
09 51 33 13-0023 SF 12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	59.94	1.09
09 51 33 13-0024 SF 12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	28.75	1.09
09 51 33 13-0025 SF 12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	21.95	1.09
09 51 33 13-0026 SF 12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	33.98	1.09
09 51 33 13-0027 SF 12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	62.14	1.09
09 51 33 13-0028 SF 12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	29.69	1.09
09 51 33 13-0029 SF 24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	16.07	1.09
09 51 33 13-0030 SF 24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	24.86	1.09
09 51 33 13-0031 SF 24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	52.07	1.09
09 51 33 13-0032 SF 24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	23.60	1.09
09 51 33 13-0033 SF 24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	17.11	1.09
09 51 33 13-0034 SF 24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	24.65	1.09
09 51 33 13-0035 SF 24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	52.17	1.09

<b>09</b>	<b>09 Finishes</b>
	<b>09 50 Ceilings</b>
	<b>09 51 Acoustical Ceilings</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 51 33 13-0036	SF	24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	23.60	1.09
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**09 51 33 23 Acoustical Lay-in Metal Pan Ceilings (09 51 33)**

<b>09 51 33 23-0001 Acoustical Lay-In Metal Pan Ceilings (09 51 33 23)</b>				
<b>09 51 33 23-0002 Aluminum, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)</b>				
09 51 33 23-0003	SF	24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	17.33	0.82
09 51 33 23-0004	SF	24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	19.68	0.82
09 51 33 23-0005	SF	24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	29.10	0.82
09 51 33 23-0006	SF	24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	24.65	0.82
09 51 33 23-0007	SF	24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	26.49	0.82
09 51 33 23-0008	SF	24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	41.92	0.82
09 51 33 23-0009	SF	30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	26.08	0.82
09 51 33 23-0010	SF	30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	32.44	0.82
09 51 33 23-0011	SF	48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	26.22	0.82
09 51 33 23-0012	SF	48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	32.63	0.82
09 51 33 23-0013	SF	12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	26.35	0.82
09 51 33 23-0014	SF	12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	32.50	0.82
09 51 33 23-0015	SF	24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	26.35	0.82
09 51 33 23-0016	SF	24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	32.76	0.82

**09 51 33 23-0017 Steel, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)**

09 51 33 23-0018	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	22.48	0.82
09 51 33 23-0019	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	26.87	0.82
09 51 33 23-0020	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	28.86	0.82
09 51 33 23-0021	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	27.08	0.82
09 51 33 23-0022	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	27.81	0.82
09 51 33 23-0023	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	29.49	0.82

**09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings (09 51 33)**

<b>09 51 33 33-0001 Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33)</b>				
<b>09 51 33 33-0002 Steel, Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33-0001)</b>				
09 51 33 33-0003	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.30	0.82
09 51 33 33-0004	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.40	0.82
09 51 33 33-0005	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.14	0.82
09 51 33 33-0006	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.60	0.82
09 51 33 33-0007	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	21.12	0.82
09 51 33 33-0008	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	28.55	0.82

**09 53 Acoustical Ceiling Suspension Assemblies (09 50)**

**09 53 13 Curved Profile Ceiling Suspension (09 53)**

<b>09 53 13 00-0001 Perimeter Trim (09 53 13)</b>				
09 53 13 00-0002	LF	2" Straight Section Axiom Perimeter Trim	22.79	
09 53 13 00-0003	LF	4" Straight Section Axiom Perimeter Trim	27.79	
09 53 13 00-0004	LF	6" Straight Section Axiom Perimeter Trim	31.13	
09 53 13 00-0005	EA	2" Corner Section Axiom Perimeter Trim	42.02	
09 53 13 00-0006	EA	4" Corner Section Axiom Perimeter Trim	54.03	
09 53 13 00-0007	EA	6" Corner Section Axiom Perimeter Trim	61.04	

**09 53 23 Metal Acoustical Ceiling Suspension Assemblies (09 53)**

<b>09 53 23 00-0001 Ceiling Suspension Systems (09 53 23)</b>				
Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4" on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.				



<b>Finishes</b>	<b>09</b>	<b>09</b>
<b>Ceilings</b>	<b>09 50</b>	
<b>Acoustical Ceiling Suspension Assemblies</b>	<b>09 53</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0002 SF 1' x 1' Grid, Concealed, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System .....	4.21	0.54
Note: Excludes ceiling tile.		
For Fastening To Concrete, Add	1.31	
For Fastening To Steel, Add	1.44	
For Vertical Application, Add	2.07	
For Individual Room Quantities <495, Add	0.45	
Note: For use with projects >500 SF		
For Up To 50, Add	1.58	
For >50 To 200, Add	0.90	
For >200 To 500, Add	0.33	
For >2,500 To 4,000, Deduct	-0.10	
For >4,000 To 5,000, Deduct	-0.17	
For >5,000, Deduct	-0.25	
For Ceilings >10' High, Add	0.18	
09 53 23 00-0003 SF 1' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	3.40	0.54
For UL Listed (Fire Guard), Add	0.21	
For 1-1/2" Wide Faced Grid, Add	0.40	
For Fastening To Concrete, Add	1.27	
For Fastening To Steel, Add	1.40	
For Vertical Application, Add	1.73	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For Individual Room Quantities <495, Add	0.37	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.64	
For Up To 50, Add	1.30	
For >50 To 200, Add	0.74	
For >200 To 500, Add	0.27	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.14	
For >5,000, Deduct	-0.21	
For Ceilings >10' High, Add	0.15	
09 53 23 00-0004 SF 2' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	2.85	0.54
For UL Listed (Fire Guard), Add	0.15	
For 1-1/2" Wide Faced Grid, Add	0.29	
For Fastening To Concrete, Add	1.25	
For Fastening To Steel, Add	1.38	
For Vertical Application, Add	1.59	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For Individual Room Quantities <495, Add	0.32	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.46	
For Up To 50, Add	1.16	
For >50 To 200, Add	0.65	
For >200 To 500, Add	0.23	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.12	
For >5,000, Deduct	-0.18	
For Black Grid, Add	0.13	
For Ceilings >10' High, Add	0.14	
For Concealed Spline Grid, Add	0.44	
09 53 23 00-0005 SF 2' x 4' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	2.36	0.54
For UL Listed (Fire Guard), Add	0.13	
For 1-1/2" Wide Faced Grid, Add	0.24	
For Fastening To Concrete, Add	1.22	
For Fastening To Steel, Add	1.35	
For Vertical Application, Add	1.52	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For Individual Room Quantities <495, Add	0.27	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.38	
For Up To 50, Add	0.96	
For >50 To 200, Add	0.54	
For >200 To 500, Add	0.19	
For >2,500 To 4,000, Deduct	-0.05	
For >4,000 To 5,000, Deduct	-0.10	
For >5,000, Deduct	-0.15	
For Black Grid, Add	0.11	
For Ceilings >10' High, Add	0.11	
For Concealed Spline Grid, Add	0.36	
09 53 23 00-0006 SF 1'-8" To 2' x 5' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System .....	2.08	0.54
For UL Listed (Fire Guard), Add	0.12	
For 1-1/2" Wide Faced Grid, Add	0.22	
For Fastening To Concrete, Add	1.20	
For Fastening To Steel, Add	1.33	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For Individual Room Quantities <495, Add	0.24	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.35	
For Up To 50, Add	0.84	
For >50 To 200, Add	0.47	
For >200 To 500, Add	0.17	
For >2,500 To 4,000, Deduct	-0.05	
For >4,000 To 5,000, Deduct	-0.09	
For >5,000, Deduct	-0.13	
For Ceilings >10' High, Add	0.10	

<b>09</b>	<b>09</b>	<b>Finishes</b>
	<b>09 50</b>	<b>Ceilings</b>
	<b>09 53</b>	<b>Acoustical Ceiling Suspension Assemblies</b>



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
09 53 23 00-0007	SF 2' x 2' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System.....3.07	0.54
	<i>For UL Listed (Fire Guard), Add</i>	0.19
	<i>For Fastening To Concrete, Add</i>	1.25
	<i>For Fastening To Steel, Add</i>	1.38
	<i>For Vertical Application, Add</i>	1.59
	<i>For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add</i>	2.50
	<i>For Individual Room Quantities &lt;495, Add</i>	0.34
	<i>Note: For use with projects &gt;500 SF</i>	
	<i>For Up To 50, Add</i>	1.19
	<i>For &gt;50 To 200, Add</i>	0.67
	<i>For &gt;200 To 500, Add</i>	0.24
	<i>For &gt;2,500 To 4,000, Deduct</i>	-0.07
	<i>For &gt;4,000 To 5,000, Deduct</i>	-0.13
	<i>For &gt;5,000, Deduct</i>	-0.19
	<i>For Black Grid, Add</i>	0.16
	<i>For Ceilings &gt;10' High, Add</i>	0.14
09 53 23 00-0008	SF 2' x 4' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System.....2.53	0.54
	<i>For UL Listed (Fire Guard), Add</i>	0.15
	<i>For Fastening To Concrete, Add</i>	1.22
	<i>For Fastening To Steel, Add</i>	1.35
	<i>For Vertical Application, Add</i>	1.52
	<i>For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add</i>	2.50
	<i>For Individual Room Quantities &lt;495, Add</i>	0.28
	<i>Note: For use with projects &gt;500 SF</i>	
	<i>For Up To 50, Add</i>	0.99
	<i>For &gt;50 To 200, Add</i>	0.56
	<i>For &gt;200 To 500, Add</i>	0.20
	<i>For &gt;2,500 To 4,000, Deduct</i>	-0.06
	<i>For &gt;4,000 To 5,000, Deduct</i>	-0.11
	<i>For &gt;5,000, Deduct</i>	-0.15
	<i>For Black Grid, Add</i>	0.13
	<i>For Ceilings &gt;10' High, Add</i>	0.11
<b>09 53 23 00-0009</b>	<b>Ceiling Suspension System Accessories (09 53 23)</b>	
09 53 23 00-0010	LF Pencil Rod Support For Suspended Ceiling with Accessories.....1.38	
09 53 23 00-0011	LF 1" x 1/8" Flat Bar Bracing For Suspended Ceiling.....3.33	1.52
	<i>For 304 Stainless Steel, Add</i>	2.96
	<i>For 316 Stainless Steel, Add</i>	3.33
	<i>For Aluminum, Add</i>	0.19
	<i>For Galvanized Steel, Add</i>	0.64
09 53 23 00-0012	LF 1" x 3/16" Flat Bar Bracing For Suspended Ceiling.....4.76	1.63
	<i>For 304 Stainless Steel, Add</i>	4.50
	<i>For 316 Stainless Steel, Add</i>	5.06
	<i>For Aluminum, Add</i>	0.28
	<i>For Galvanized Steel, Add</i>	0.98
09 53 23 00-0013	LF 1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling .....6.75	1.74
	<i>For 304 Stainless Steel, Add</i>	9.01
	<i>For 316 Stainless Steel, Add</i>	10.11
	<i>For Aluminum, Add</i>	0.57
	<i>For Galvanized Steel, Add</i>	1.96
09 53 23 00-0014	EA 2', Exposed 15/16" Hot-dipped Galvanized Steel, Suspended Ceiling Cross Tee.....6.66	0.31
	<i>Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.</i>	
09 53 23 00-0015	EA Lateral Support For Suspended Ceiling Channel, Installed 12'-0" On Center Maximum .....29.70	8.69
	<i>Note: Includes vertical centerl strut and four 12 gauge diagonal wires.</i>	
09 53 23 00-0016	EA Up To 30" Compression Posts, Telescopic, With Splay Wires, Attached To Structure.....72.03	22.15
09 53 23 00-0017	EA >30" To 48" Compression Posts, Telescopic, With Splay Wires, Attached To Structure.....74.61	22.57
09 53 23 00-0018	EA >48" To 84" Compression Posts, Telescopic, With Splay Wires, Attached To Structure .....83.44	22.57
<b>09 53 23 00-0019</b>	<b>Removal And Reinstallation Of Acoustical Ceiling Suspension Assembly (09 53 23)</b>	
	<i>Note: 2'x2' Or 2'x4'. Includes storage and cleaning.</i>	
09 53 23 00-0020	SF Removal And Reinstallation Of Acoustical Ceiling Tile And Grid, 2' x 2' Or 2' x 4' .....3.01	
	<i>Note: Suspension system tie wire, wall angles and bracing to remain in place.</i>	
	<i>For Up To 50, Add</i>	1.66
	<i>For &gt;50 To 200, Add</i>	0.90
	<i>For &gt;200 To 500, Add</i>	0.30
	<i>For &gt;2,500 To 4,000, Deduct</i>	-0.08
	<i>For &gt;4,000 To 5,000, Deduct</i>	-0.15
	<i>For &gt;5,000, Deduct</i>	-0.23
	<i>For Ceilings &gt;10' High, Add</i>	0.23
09 53 23 00-0021	SF Removal And Reinstallation Of Grid System Only .....1.31	
	<i>Note: Suspension system tie wire, wall angles and bracing to remain in place.</i>	
	<i>For Up To 50, Add</i>	0.72
	<i>For &gt;50 To 200, Add</i>	0.39
	<i>For &gt;200 To 500, Add</i>	0.13
	<i>For &gt;2,500 To 4,000, Deduct</i>	-0.03
	<i>For &gt;4,000 To 5,000, Deduct</i>	-0.07
	<i>For &gt;5,000, Deduct</i>	-0.10
	<i>For Ceilings &gt;10' High, Add</i>	0.10

09 54 Specialty Ceilings (09 50)



<b>Finishes</b>	<b>09</b>	<b>CSU</b>
Ceilings	09 50	
Specialty Ceilings	09 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 54 16 Luminous Ceilings</b> (09 54)		
<b>09 54 16 00-0001 Translucent Ceiling Panels</b> (09 54 16)		
09 54 16 00-0002 SF 2' x 2' x 0.013" Thick, Rigid Vinyl Plastic, Translucent Ceiling Panel .....	3.63	0.54
For Ceilings >10' High, Add	0.09	
For >100 To 200, Deduct	-0.17	
For >200 To 300, Deduct	-0.42	
For >300, Deduct	-0.72	
<b>09 54 23 Linear Metal Ceilings</b> (09 54)		
<b>09 54 23 00-0001 Linear Ceiling Systems</b> (09 54 23)		
<b>09 54 23 00-0002 0.032" Aluminum, Linear Ceiling Systems</b> (09 54 23 00-0001)		
Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.		
09 54 23 00-0003 SF 4" Panel Width, 0.032" Aluminum, Linear Ceiling System .....	21.60	2.23
For Up To 50, Add	5.38	
For >50 To 200, Add	3.23	
For >200 To 500, Add	1.35	
For >2,500, Deduct	-1.08	
For Ceilings >10' High, Add	0.40	
For Linear Ceiling Systems Without Filler Strips, Deduct	-4.02	
For Curved Ceilings, Add	1.29	
09 54 23 00-0004 SF 8" Panel Width, 0.032" Aluminum, Linear Ceiling System .....	17.32	2.23
For Up To 50, Add	4.69	
For >50 To 200, Add	2.78	
For >200 To 500, Add	1.13	
For >2,500, Deduct	-0.87	
For Ceilings >10' High, Add	0.39	
For Linear Ceiling Systems Without Filler Strips, Deduct	-2.00	
For Curved Ceilings, Add	1.27	
09 54 23 00-0005 SF 12" Panel Width, 0.032" Aluminum, Linear Ceiling System .....	15.67	2.23
For Up To 50, Add	4.40	
For >50 To 200, Add	2.59	
For >200 To 500, Add	1.04	
For >2,500, Deduct	-0.78	
For Ceilings >10' High, Add	0.38	
For Linear Ceiling Systems Without Filler Strips, Deduct	-1.33	
For Curved Ceilings, Add	1.25	
<b>09 54 23 00-0006 Tin Ceilings</b> (09 54 23)		
09 54 23 00-0007 SF 2' x 2' Tin Ceiling Embossed Panels .....	21.49	3.46
For Up To 50, Add	4.89	
For >50 To 200, Add	2.98	
For >200 To 500, Add	1.28	
For >2,500, Deduct	-1.07	
For Ceilings >10' High, Add	0.31	
09 54 23 00-0008 SF 12" x 12" Tin Ceiling Embossed Plates .....	32.01	2.23
For Up To 50, Add	6.56	
For >50 To 200, Add	4.08	
For >200 To 500, Add	1.82	
For >2,500, Deduct	-1.60	
For Ceilings >10' High, Add	0.33	
09 54 23 00-0009 SF 12" x 24" Tin Ceiling Embossed Plates .....	23.23	2.23
For Up To 50, Add	5.24	
For >50 To 200, Add	3.20	
For >200 To 500, Add	1.38	
For >2,500, Deduct	-1.16	
For Ceilings >10' High, Add	0.33	
09 54 23 00-0010 SF 24" x 24" Tin Ceiling Embossed Plates .....	21.33	2.23
For Up To 50, Add	4.82	
For >50 To 200, Add	2.95	
For >200 To 500, Add	1.27	
For >2,500, Deduct	-1.07	
For Ceilings >10' High, Add	0.30	
09 54 23 00-0011 SF 24" x 48" Tin Ceiling Embossed Plates .....	18.61	1.67
For Up To 50, Add	4.21	
For >50 To 200, Add	2.57	
For >200 To 500, Add	1.11	
For >2,500, Deduct	-0.93	
For Ceilings >10' High, Add	0.27	
09 54 23 00-0012 LF 3" Or 4" Wide Embossed Molding .....	14.14	3.35
09 54 23 00-0013 LF 6" Wide Embossed Molding .....	17.80	3.90
09 54 23 00-0014 LF 12" Wide Embossed Molding .....	23.95	4.58
09 54 23 00-0015 EA 3", 4" Or 6" Wide Embossed Cross, Tee Or Ell .....	40.77	10.60
09 54 23 00-0016 EA 12" Wide Embossed Cross, Tee Or Ell .....	56.97	12.39

**09 57 Special Function Ceilings** (09 50)

**09 57 63 High Impact Ceilings** (09 57)

<b>09</b>	<b>09 Finishes</b>
	<b>09 50 Ceilings</b>
	<b>09 57 Special Function Ceilings</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>09 57 63 00-0001</b>	<b>High Impact Ceilings</b> <small>(09 57 63)</small>		
09 57 63 00-0002	SF Polyvinyl Chloride Face High Impact Ceiling Panels..... <i>For Ceilings &gt;10' High, Add</i>	6.82 0.13	1.09
09 57 63 00-0003	EA High Impact Clips..... <i>For Ceilings &gt;10' High, Add</i>	4.05 0.20	0.88

**09 60 Flooring** (09)

Note: Perform moisture testing as recommended by manufacturer.

**09 61 Flooring Treatment** (09 60)

**09 61 13 Slip-Resistant Flooring Treatment** (09 61)

<b>09 61 13 00-0001</b>	<b>Anti-Slip Tape</b> <small>(09 61 13)</small>		
	Note: Grit sandpaper surface with adhesive back.		
09 61 13 00-0002	LF 1" Anti-Slip Tape.....	2.91	2.17
09 61 13 00-0003	LF 2" Anti-Slip Tape.....	3.72	2.40
09 61 13 00-0004	LF 3" Anti-Slip Tape.....	4.50	2.64
09 61 13 00-0005	LF 4" Anti-Slip Tape.....	5.23	2.90
09 61 13 00-0006	LF 6" Anti-Slip Tape.....	6.71	3.19
09 61 13 00-0007	LF 12" Anti-Slip Tape.....	11.78	4.78
09 61 13 00-0008	LF 24" Anti-Slip Tape.....	16.64	7.18

**09 63 Masonry Flooring** (09 60)

**09 63 13 Brick Flooring** (09 63)

<b>09 63 13 00-0001</b>	<b>Clay Bricks</b> <small>(09 63 13)</small>		
09 63 13 00-0002	SF 2-1/4" Thick Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	27.44 1.99 2.65 5.03	9.29
09 63 13 00-0003	SF 3" Thick Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	30.96 1.99 2.65 5.03	9.29
09 63 13 00-0004	SF 1/2" Thick Unglazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	17.51 1.99 2.65 5.03	9.29
09 63 13 00-0005	SF 1/2" Thick Glazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	20.71 1.99 2.65 5.03	9.29
09 63 13 00-0006	SF 3/4" Thick Unglazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	18.95 1.99 2.65 5.03	9.29
09 63 13 00-0007	SF 3/4" Thick Glazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	23.19 1.99 2.65 5.03	9.29
09 63 13 00-0008	SF 15/16" Thick Unglazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	20.32 1.99 2.65 5.03	9.29
09 63 13 00-0009	SF 15/16" Thick Glazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	25.70 1.99 2.65 5.03	9.29

**09 63 43 Composition Stone Flooring** (09 63)

<b>09 63 43 00-0001</b>	<b>Cupric Oxchloride Cement, Seamless Flooring System</b> <small>(09 63 43)</small>		
	Note: Chemical and slip resistant. OSHA and USDA approved.		
09 63 43 00-0002	SF 3/8" Thick, Cupric Oxchloride Cement, Seamless Flooring System, Trowel Applied.....	17.74	5.33

**09 64 Wood Flooring** (09 60)

**09 64 13 Wood Flooring Underlayment** (09 64)

<b>09 64 13 00-0001</b>	<b>Wood Flooring Underlayment</b> <small>(09 64 13)</small>		
09 64 13 00-0002	SF Regular Weight Red Rosin Paper, Wood Flooring Underlayment.....	0.48	
09 64 13 00-0003	SF Heavy Weight Red Rosin Paper, Wood Flooring Underlayment.....	0.49	
09 64 13 00-0004	SF 30 LB, Waxed Paper, Wood Flooring Underlayment.....	0.52	
09 64 13 00-0005	SF 15 LB, Asphalt Saturated Organic Felt, Wood Flooring Underlayment.....	0.58	
09 64 13 00-0006	SF 6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment.....	0.52	
09 64 13 00-0007	SF 8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment.....	0.58	
09 64 13 00-0008	SF 1/8" Thick, Natural Cork, Wood Flooring Underlayment.....	2.30	0.33



<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Wood Flooring	09 64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 13 00-0009 SF 1/4" Thick, Natural Cork, Wood Flooring Underlayment .....	2.41	0.33
09 64 13 00-0010 SF 3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15) .....	0.86	
09 64 13 00-0011 SF 2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180) .....	1.07	
09 64 13 00-0012 SF 4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193) .....	1.15	
09 64 13 00-0013 SF 2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026) .....	1.40	
09 64 13 00-0014 SF 1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105) .....	1.42	0.22
<b>09 64 23 Wood Parquet Flooring (09 64)</b>		
Note: All wood parquet flooring is prefinished at factory.		
<b>09 64 23 00-0001 Hardwood Parquet Flooring (09 64 23)</b>		
09 64 23 00-0002 SF 5/16" Thick Oak Parquet Flooring .....	12.41	1.09
For Up To 20, Add	4.93	
For >20 To 50, Add	2.60	
For >50 To 100, Add	1.30	
For >100 To 300, Add	0.65	
<b>09 64 29 Wood Strip and Plank Flooring (09 64)</b>		
Note: All wood strip flooring is unfinished, tongue and groove.		
<b>09 64 29 00-0001 Unfinished Fir, Wood Strip Flooring (09 64 29)</b>		
09 64 29 00-0002 SF 3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring .....	13.54	1.09
For Factory Finish, Add	0.86	
For Random Width Floor, Add	3.14	
For Up To 20, Add	4.24	
For >20 To 50, Add	2.33	
For >50 To 100, Add	1.17	
For >100 To 300, Add	0.58	
<b>09 64 29 00-0003 Unfinished Oak, Wood Strip Flooring (09 64 29)</b>		
<b>09 64 29 00-0004 Unfinished White Oak, Wood Strip Flooring (09 64 29 00-0003)</b>		
09 64 29 00-0005 SF 2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring .....	10.91	1.09
For Factory Finish, Add	0.45	
For Random Width Floor, Add	2.41	
For Up To 20, Add	4.52	
For >20 To 50, Add	2.37	
For >50 To 100, Add	1.19	
For >100 To 300, Add	0.59	
09 64 29 00-0006 SF 2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring .....	11.50	1.09
For Factory Finish, Add	0.51	
For Random Width Floor, Add	2.56	
For Up To 20, Add	4.61	
For >20 To 50, Add	2.43	
For >50 To 100, Add	1.22	
For >100 To 300, Add	0.61	
09 64 29 00-0007 SF 2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring .....	12.38	1.09
For Factory Finish, Add	0.60	
For Random Width Floor, Add	2.78	
For Up To 20, Add	4.74	
For >20 To 50, Add	2.52	
For >50 To 100, Add	1.26	
For >100 To 300, Add	0.63	
09 64 29 00-0008 SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring .....	9.61	1.09
For Factory Finish, Add	0.47	
For Random Width Floor, Add	2.16	
For Up To 20, Add	3.65	
For >20 To 50, Add	1.94	
For >50 To 100, Add	0.97	
For >100 To 300, Add	0.49	
09 64 29 00-0009 SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring .....	10.08	1.09
For Factory Finish, Add	0.52	
For Random Width Floor, Add	2.28	
For Up To 20, Add	3.72	
For >20 To 50, Add	1.99	
For >50 To 100, Add	0.99	
For >100 To 300, Add	0.50	
09 64 29 00-0010 SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring .....	10.98	1.09
For Factory Finish, Add	0.61	
For Random Width Floor, Add	2.50	
For Up To 20, Add	3.85	
For >20 To 50, Add	2.08	
For >50 To 100, Add	1.04	
For >100 To 300, Add	0.52	
<b>09 64 29 00-0011 Unfinished Red Oak, Wood Strip Flooring (09 64 29 00-0003)</b>		

09	<b>09 Finishes</b>
	<b>09 60 Flooring</b>
	<b>09 64 Wood Flooring</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0012 SF 2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	11.01	1.09
For Factory Finish, Add	0.46	
For Random Width Floor, Add	2.43	
For Up To 20, Add	4.53	
For >20 To 50, Add	2.38	
For >50 To 100, Add	1.19	
For >100 To 300, Add	0.60	
09 64 29 00-0013 SF 2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	11.60	1.09
For Factory Finish, Add	0.52	
For Random Width Floor, Add	2.58	
For Up To 20, Add	4.62	
For >20 To 50, Add	2.44	
For >50 To 100, Add	1.22	
For >100 To 300, Add	0.61	
09 64 29 00-0014 SF 2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring .....	12.48	1.09
For Factory Finish, Add	0.61	
For Random Width Floor, Add	2.80	
For Up To 20, Add	4.75	
For >20 To 50, Add	2.53	
For >50 To 100, Add	1.26	
For >100 To 300, Add	0.63	
09 64 29 00-0015 SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	9.70	1.09
For Factory Finish, Add	0.48	
For Random Width Floor, Add	2.18	
For Up To 20, Add	3.66	
For >20 To 50, Add	1.95	
For >50 To 100, Add	0.98	
For >100 To 300, Add	0.49	
09 64 29 00-0016 SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	10.29	1.09
For Factory Finish, Add	0.54	
For Random Width Floor, Add	2.33	
For Up To 20, Add	3.75	
For >20 To 50, Add	2.01	
For >50 To 100, Add	1.00	
For >100 To 300, Add	0.50	
09 64 29 00-0017 SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring .....	11.08	1.09
For Factory Finish, Add	0.62	
For Random Width Floor, Add	2.53	
For Up To 20, Add	3.87	
For >20 To 50, Add	2.09	
For >50 To 100, Add	1.04	
For >100 To 300, Add	0.52	
<b>09 64 29 00-0018 Unfinished Maple, Wood Strip Flooring (09 64 29)</b>		
<b>09 64 29 00-0019 25/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)</b>		
09 64 29 00-0020 SF 2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	13.16	1.09
For Factory Finish, Add	0.68	
For Random Width Floor, Add	2.97	
For Up To 20, Add	4.85	
For >20 To 50, Add	2.60	
For >50 To 100, Add	1.30	
For >100 To 300, Add	0.65	
09 64 29 00-0021 SF 2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	12.18	1.09
For Factory Finish, Add	0.58	
For Random Width Floor, Add	2.73	
For Up To 20, Add	4.71	
For >20 To 50, Add	2.50	
For >50 To 100, Add	1.25	
For >100 To 300, Add	0.62	
09 64 29 00-0022 SF 3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	12.06	1.09
For Factory Finish, Add	0.72	
For Random Width Floor, Add	2.77	
For Up To 20, Add	4.01	
For >20 To 50, Add	2.19	
For >50 To 100, Add	1.09	
For >100 To 300, Add	0.55	
09 64 29 00-0023 SF 3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	11.08	1.09
For Factory Finish, Add	0.62	
For Random Width Floor, Add	2.53	
For Up To 20, Add	3.87	
For >20 To 50, Add	2.09	
For >50 To 100, Add	1.04	
For >100 To 300, Add	0.52	

09 64 29 00-0024 33/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)





<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Wood Flooring	09 64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0025 SF 2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring .....	15.28	1.09
For Factory Finish, Add	0.89	
For Random Width Floor, Add	3.50	
For Up To 20, Add	5.17	
For >20 To 50, Add	2.81	
For >50 To 100, Add	1.40	
For >100 To 300, Add	0.70	
09 64 29 00-0026 SF 2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring .....	13.97	1.09
For Factory Finish, Add	0.76	
For Random Width Floor, Add	3.17	
For Up To 20, Add	4.98	
For >20 To 50, Add	2.68	
For >50 To 100, Add	1.34	
For >100 To 300, Add	0.67	
09 64 29 00-0027 SF 3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring .....	14.31	1.09
For Factory Finish, Add	0.94	
For Random Width Floor, Add	3.33	
For Up To 20, Add	4.35	
For >20 To 50, Add	2.41	
For >50 To 100, Add	1.21	
For >100 To 300, Add	0.60	
09 64 29 00-0028 SF 3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring .....	13.00	1.09
For Factory Finish, Add	0.81	
For Random Width Floor, Add	3.01	
For Up To 20, Add	4.16	
For >20 To 50, Add	2.28	
For >50 To 100, Add	1.14	
For >100 To 300, Add	0.57	
<b>09 64 29 00-0029 Prefinished Engineered Wood Flooring (09 64 29)</b>		
Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.		
09 64 29 00-0030 SF 1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring .....	16.49	1.09
For Up To 20, Add	4.40	
For >20 To 50, Add	2.50	
For >50 To 100, Add	1.25	
For >100 To 300, Add	0.63	
09 64 29 00-0031 SF 1/2" Thick, White Oak, Prefinished Engineered Wood Flooring .....	16.49	1.09
For Up To 20, Add	4.40	
For >20 To 50, Add	2.50	
For >50 To 100, Add	1.25	
For >100 To 300, Add	0.63	
09 64 29 00-0032 SF 1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring .....	15.95	1.09
For Up To 20, Add	4.31	
For >20 To 50, Add	2.45	
For >50 To 100, Add	1.22	
For >100 To 300, Add	0.61	
09 64 29 00-0033 SF 1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring .....	16.36	1.09
For Up To 20, Add	4.38	
For >20 To 50, Add	2.49	
For >50 To 100, Add	1.25	
For >100 To 300, Add	0.62	
<b>09 64 33 Laminated Wood Flooring (09 64)</b>		
<b>09 64 33 00-0001 Laminate Flooring Without Underlayment (09 64 33)</b>		
09 64 33 00-0002 SF Laminate Floor, Blocked - Beech, Oak, Red Oak, And Dark Cherry .....	14.71	3.47
09 64 33 00-0003 SF Laminate Floor, Mature Pine, Light Maple .....	15.53	3.47
Note: Planked - cherry, and oak.		
09 64 33 00-0004 SF 10mm x 11.57" x 46.3" Laminate Flooring .....	16.19	1.73
Note: DuPont Saltillo		
For Up To 50, Add	9.25	
For >50 To 250, Add	1.39	
For >1,000, Deduct	-0.69	
<b>09 64 33 00-0005 Laminate Flooring With Underlayment (09 64 33)</b>		
09 64 33 00-0006 SF Laminate Floor, With Attached Underlayment, Antique Amber Oak .....	17.31	3.47
Note: Also comes in Rustic Red Oak.		
09 64 33 00-0007 SF Laminate Floor, With Attached Underlayment, Renovation Pine .....	18.11	3.47
Note: Also comes in Weathered Wheat Oak.		
<b>09 64 33 00-0008 Sound Control Matting (09 64 33)</b>		
09 64 33 00-0009 SF Sound Control Matting .....	3.48	0.52
<b>09 64 53 Resilient Wood Flooring Assemblies (09 64)</b>		
<b>09 64 53 00-0001 Stage Floors (09 64 53)</b>		
Note: Includes shims, sleepers and/or screeds, damp proofing membrane, and finish.		

<b>09</b>	<b>09</b>	<b>Finishes</b>
	<b>09 60</b>	<b>Flooring</b>
	<b>09 64</b>	<b>Wood Flooring</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 53 00-0002 SF 1-1/2" Thick Tongue And Groove Resilient Wood Stage Flooring ..... Note: Includes 6 mil polyethylene damp proofing membrane, 3/8" thick hollow rubber or neoprene resilient mounts, 1-1/2" thick x 3" wide wood sleepers, 1-1/2" thick fiberglass insulation board between sleepers, fasteners, wood filler, and finish.	47.56	10.89
<b>09 64 53 00-0003 Dance And Aerobic Floors (09 64 53)</b> Note: Includes vapor barrier, resilient pads, sub-floor, and finish.		
09 64 53 00-0004 SF 25/32" x 2-1/4" Resilient Wood Dance Or Aerobic Flooring..... Note: Tongue and groove, northern hard maple. Includes 6 mil polyethylene vapor barrier, 3/4"thick hemispherical two stage polyurethane resilient pads, 2 layers of 15/32" subflooring, fasteners, wood filler and seven-coat finish.	44.13	7.89
<b>09 64 66 Wood Athletic Flooring (09 64)</b> Note: 1-1/2" or 2-1/4" widths. Excludes finish.		
<b>09 64 66 00-0001 Wood Gym/Stage/Dance Floors Applied On Existing Subfloor (09 64 66)</b> Note: Includes sanding. Excludes concrete repairs to subbase, subflooring, thresholds, and finishing.		
09 64 66 00-0002 SF 25/32" Maple Wood Gym/Stage/Dance Floor ..... <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	15.21 -0.20 -0.30 0.50	5.45
09 64 66 00-0003 SF 33/32" Maple Wood Gym/Stage/Dance Floor ..... <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	18.20 -0.20 -0.30 0.50	5.67
<b>09 64 66 00-0004 Wood Gym/Stage/Dance Floor Systems (09 64 66)</b> Note: Includes sanding. Excludes concrete repairs to subbase, thresholds, and finishing.		
09 64 66 00-0005 SF Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion)..... Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads. <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	20.30 -0.20 -0.30 0.50	7.08
09 64 66 00-0006 SF Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok)..... Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads. <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	21.48 -0.20 -0.30 0.50	7.08
09 64 66 00-0007 SF Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex)..... Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper. <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	24.01 -0.20 -0.30 0.50	7.08
09 64 66 00-0008 SF Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus)..... Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips. <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	22.86 -0.20 -0.30 0.50	7.08
09 64 66 00-0009 SF Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock)..... Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel. <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	25.83 -0.20 -0.30 0.50	7.08
<b>09 65 Resilient Flooring (09 60)</b> See CSI section 03 54 16 00-0001 for self leveling underlayment for uneven floors.		
<b>09 65 13 Resilient Base and Accessories (09 65)</b>		
<b>09 65 13 13 Resilient Base (09 65 13)</b>		
<b>09 65 13 13-0001 Type TV Thermoplastic Vinyl Wall Base (09 65 13 13)</b> Note: Includes inside and outside corners.		
09 65 13 13-0002 LF 2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors ..... <i>For Up To 20, Add</i> <i>For &gt;20 To 40, Add</i> <i>For &gt;40 To 80, Add</i> <i>For &gt;240 To 960, Deduct</i> <i>For &gt;960, Deduct</i>	3.66 1.47 0.83 0.30 -0.25 -0.38	1.16



<b>Finishes</b>	<b>09</b>	<b>09</b>
<b>Flooring</b>	<b>09 60</b>	
<b>Resilient Flooring</b>	<b>09 65</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0003 LF 4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors .....	4.18	1.16
For Up To 20, Add	1.55	
For >20 To 40, Add	0.88	
For >40 To 80, Add	0.32	
For >240 To 960, Deduct	-0.30	
For >960, Deduct	-0.45	
09 65 13 13-0004 LF 6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors .....	5.28	1.16
For Up To 20, Add	1.71	
For >20 To 40, Add	0.99	
For >40 To 80, Add	0.38	
For >240 To 960, Deduct	-0.41	
For >960, Deduct	-0.62	
<b>09 65 13 13-0005 Type TP Thermoplastic Rubber Wall Base (09 65 13 13)</b>		
Note: Includes inside and outside corners.		
09 65 13 13-0006 LF 2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	3.99	1.16
For Up To 20, Add	1.52	
For >20 To 40, Add	0.86	
For >40 To 80, Add	0.31	
For >240 To 960, Deduct	-0.28	
For >960, Deduct	-0.43	
09 65 13 13-0007 LF 4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	4.38	1.16
For Up To 20, Add	1.58	
For >20 To 40, Add	0.90	
For >40 To 80, Add	0.33	
For >240 To 960, Deduct	-0.32	
For >960, Deduct	-0.48	
09 65 13 13-0008 LF 6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	5.45	1.16
For Up To 20, Add	1.74	
For >20 To 40, Add	1.01	
For >40 To 80, Add	0.39	
For >240 To 960, Deduct	-0.43	
For >960, Deduct	-0.65	
09 65 13 13-0009 LF 2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	6.95	1.16
For Up To 20, Add	1.96	
For >20 To 40, Add	1.16	
For >40 To 80, Add	0.46	
For >240 To 960, Deduct	-0.58	
For >960, Deduct	-0.87	
09 65 13 13-0010 LF 3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	7.28	1.16
For Up To 20, Add	2.01	
For >20 To 40, Add	1.19	
For >40 To 80, Add	0.48	
For >240 To 960, Deduct	-0.61	
For >960, Deduct	-0.92	
09 65 13 13-0011 LF 4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	8.96	1.16
For Up To 20, Add	2.26	
For >20 To 40, Add	1.36	
For >40 To 80, Add	0.56	
For >240 To 960, Deduct	-0.78	
For >960, Deduct	-1.17	
09 65 13 13-0012 LF 6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	12.31	1.16
For Up To 20, Add	2.77	
For >20 To 40, Add	1.69	
For >40 To 80, Add	0.73	
For >240 To 960, Deduct	-1.12	
For >960, Deduct	-1.67	
<b>09 65 13 13-0013 Type TS Thermoset Vulcanized Rubber Wall Base (09 65 13 13)</b>		
Note: Includes inside and outside corners.		
09 65 13 13-0014 LF 2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors .....	4.42	1.39
For Up To 20, Add	1.58	
For >20 To 40, Add	0.90	
For >40 To 80, Add	0.34	
For >240 To 960, Deduct	-0.33	
For >960, Deduct	-0.49	
09 65 13 13-0015 LF 4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors .....	4.43	1.16
For Up To 20, Add	1.58	
For >20 To 40, Add	0.90	
For >40 To 80, Add	0.34	
For >240 To 960, Deduct	-0.33	
For >960, Deduct	-0.49	
09 65 13 13-0016 LF 6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors .....	6.46	1.39
For Up To 20, Add	2.08	
For >20 To 40, Add	1.20	
For >40 To 80, Add	0.46	
For >240 To 960, Deduct	-0.51	
For >960, Deduct	-0.76	

**09 65 13 23 Resilient Stair Treads and Risers (09 65 13)**

Note: All treads have integral nosing. Abrasive strip modifier includes either 1 or 2 strips running the length of the tread. All colors.

<b>09</b>	<b>09 Finishes</b>
	<b>09 60 Flooring</b>
	<b>09 65 Resilient Flooring</b>



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 65 13 23-0001		<b>Rubber Stair Treads and Risers</b> (09 65 13 23)			
09 65 13 23-0002		<b>Raised Disc Or Other Patterned Rubber Stair Tread</b> (09 65 13 23-0001)			
09 65 13 23-0003	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread ..... Note: Raised disc or other pattern.	15.49		1.85
		For Abrasive Strip, Add	2.75		
		For Photo Luminescent Abrasive Strip, Add	3.75		
09 65 13 23-0004	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread ..... Note: Raised disc or other pattern.	16.65		1.98
		For Abrasive Strip, Add	2.75		
		For Photo Luminescent Abrasive Strip, Add	3.75		
09 65 13 23-0005	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread ..... Note: Raised disc or other pattern.	20.25		2.12
		For Abrasive Strip, Add	2.75		
		For Photo Luminescent Abrasive Strip, Add	3.75		
09 65 13 23-0006		<b>Smooth Surface Rubber Stair Tread</b> (09 65 13 23-0001)			
09 65 13 23-0007	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread ..... Note: Smooth surface.	14.58		1.85
		For Abrasive Strip, Add	2.75		
		For Photo Luminescent Abrasive Strip, Add	3.75		
09 65 13 23-0008	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread ..... Note: Smooth surface.	15.51		1.98
		For Abrasive Strip, Add	2.75		
		For Photo Luminescent Abrasive Strip, Add	3.75		
09 65 13 23-0009	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread ..... Note: Smooth surface.	18.91		2.13
		For Abrasive Strip, Add	2.75		
		For Photo Luminescent Abrasive Strip, Add	3.75		
09 65 13 23-0010		<b>Smooth Surface Rubber Stair Riser</b> (09 65 13 23-0001)			
09 65 13 23-0011	LF	1/8" Thick, Smooth Surface Rubber Stair Riser ..... Note: Smooth surface.	8.50		1.11
09 65 13 23-0012		<b>Smooth, Raised Disc or Other Patterned Rubber Landing Mats</b> (09 65 13 23-0001)			
09 65 13 23-0013	SF	1/8" Thick, Rubber Landing Mats ..... Note: Smooth, raised disc or other patterned surface.	25.31		1.71
09 65 13 23-0014	SF	3/16" Thick, Rubber Landing Mats ..... Note: Smooth, raised disc or other patterned surface.	30.37		1.85
09 65 13 23-0015	SF	7/32" Thick, Rubber Landing Mats ..... Note: Smooth, raised disc or other patterned surface.	33.05		2.08
09 65 13 23-0016		<b>Vinyl Stair Treads and Risers</b> (09 65 13 23)			
09 65 13 23-0017		<b>Ribbed Vinyl Stair Tread</b> (09 65 13 23-0016)			
09 65 13 23-0018	LF	1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread ..... For Abrasive Strip, Add	16.99		1.68
			2.75		
09 65 13 23-0019	LF	3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread ..... For Abrasive Strip, Add	18.80		1.85
			2.75		
09 65 13 23-0020	LF	1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread ..... For Abrasive Strip, Add	22.75		1.99
			2.75		
09 65 13 23-0021		<b>Smooth Surface Vinyl Stair Riser</b> (09 65 13 23-0016)			
09 65 13 23-0022	LF	1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser ..... Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.	9.36		1.11
<b>09 65 13 33</b>		<b>Resilient Accessories</b> (09 65 13)			
09 65 13 33-0001		<b>Flexible Self Leveling Cementitious Underlayments</b> (09 65 13 33)			
09 65 13 33-0002	SF	1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers ..... Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.	1.73		0.93
09 65 13 33-0003	SF	1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers ..... Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.	2.68		0.93
09 65 13 33-0004		<b>Concrete Floor Prep</b> (09 65 13 33)			
09 65 13 33-0005	SF	Removal Of Glue From Concrete Floor ..... Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.	1.16		
<b>09 65 13 36</b>		<b>Resilient Carpet Transitions</b> (09 65 13)			
09 65 13 36-0001		<b>Vinyl Transition Strip</b> (09 65 13 36)			
09 65 13 36-0002	LF	Vinyl Transition Strip, Brown Or Black ..... For Up To 20, Add	2.08		0.84
			0.78		
		For >20 To 40, Add	0.44		
		For >40 To 80, Add	0.16		
		For >240 To 960, Deduct	-0.15		
		For >960, Deduct	-0.23		



<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Resilient Flooring	09 65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0003 LF Vinyl Floor Tile Reducer Strip, Brown Or Black .....	1.88	0.84
For Up To 20, Add	0.75	
For >20 To 40, Add	0.42	
For >40 To 80, Add	0.15	
For >240 To 960, Deduct	-0.13	
For >960, Deduct	-0.20	
09 65 13 36-0004 LF Vinyl Floor Tile Feature Strip, Brown Or Black.....	1.65	0.84
For Up To 20, Add	0.71	
For >20 To 40, Add	0.40	
For >40 To 80, Add	0.14	
For >240 To 960, Deduct	-0.11	
For >960, Deduct	-0.16	
09 65 13 36-0005 LF 1/4" To 1/8" Material, Narrow, Vinyl, Slim Line Transition (Johnsonite SLT-XX-A).....	3.02	1.16
For Up To 20, Add	1.19	
For >20 To 40, Add	0.67	
For >40 To 80, Add	0.24	
For >240 To 960, Deduct	-0.21	
For >960, Deduct	-0.31	
<b>09 65 13 36-0006 Vinyl, Wheeled Traffic Transitions (09 65 13 36)</b>		
09 65 13 36-0007 LF 1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A) .....	3.78	1.16
For Up To 20, Add	1.31	
For >20 To 40, Add	0.75	
For >40 To 80, Add	0.28	
For >240 To 960, Deduct	-0.29	
For >960, Deduct	-0.43	
09 65 13 36-0008 LF 1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C) .....	3.78	1.16
For Up To 20, Add	1.31	
For >20 To 40, Add	0.75	
For >40 To 80, Add	0.28	
For >240 To 960, Deduct	-0.29	
For >960, Deduct	-0.43	
09 65 13 36-0009 LF 5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D) .....	4.63	1.16
For Up To 20, Add	1.43	
For >20 To 40, Add	0.83	
For >40 To 80, Add	0.32	
For >240 To 960, Deduct	-0.37	
For >960, Deduct	-0.56	
09 65 13 36-0010 LF 1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H) .....	7.67	1.16
For Up To 20, Add	1.89	
For >20 To 40, Add	1.14	
For >40 To 80, Add	0.48	
For >240 To 960, Deduct	-0.67	
For >960, Deduct	-1.01	
09 65 13 36-0011 LF 1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL) .....	7.69	1.16
For Up To 20, Add	1.89	
For >20 To 40, Add	1.14	
For >40 To 80, Add	0.48	
For >240 To 960, Deduct	-0.68	
For >960, Deduct	-1.01	
09 65 13 36-0012 LF 1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT) .....	5.08	1.16
For Up To 20, Add	1.50	
For >20 To 40, Add	0.88	
For >40 To 80, Add	0.35	
For >240 To 960, Deduct	-0.42	
For >960, Deduct	-0.62	
09 65 13 36-0013 LF 1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J) .....	7.47	1.16
For Up To 20, Add	1.86	
For >20 To 40, Add	1.12	
For >40 To 80, Add	0.47	
For >240 To 960, Deduct	-0.65	
For >960, Deduct	-0.98	
09 65 13 36-0014 LF 1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL) .....	7.75	1.16
For Up To 20, Add	1.90	
For >20 To 40, Add	1.15	
For >40 To 80, Add	0.48	
For >240 To 960, Deduct	-0.68	
For >960, Deduct	-1.02	
09 65 13 36-0015 LF 3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K) .....	6.52	1.16
For Up To 20, Add	1.72	
For >20 To 40, Add	1.02	
For >40 To 80, Add	0.42	
For >240 To 960, Deduct	-0.56	
For >960, Deduct	-0.84	
09 65 13 36-0016 LF 3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L).....	7.12	1.16
For Up To 20, Add	1.81	
For >20 To 40, Add	1.08	
For >40 To 80, Add	0.45	
For >240 To 960, Deduct	-0.62	
For >960, Deduct	-0.93	

**09 Finishes****09 60 Flooring****09 65 Resilient Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0017	LF		1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M).....	7.75	1.16
			For Up To 20, Add	1.90	
			For >20 To 40, Add	1.15	
			For >40 To 80, Add	0.48	
			For >240 To 960, Deduct	-0.68	
			For >960, Deduct	-1.02	
09 65 13 36-0018	LF		1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N) .....	6.40	1.16
			For Up To 20, Add	1.70	
			For >20 To 40, Add	1.01	
			For >40 To 80, Add	0.41	
			For >240 To 960, Deduct	-0.55	
			For >960, Deduct	-0.82	
09 65 13 36-0019	LF		3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P).....	5.41	1.16
			For Up To 20, Add	1.55	
			For >20 To 40, Add	0.91	
			For >40 To 80, Add	0.36	
			For >240 To 960, Deduct	-0.45	
			For >960, Deduct	-0.67	
09 65 13 36-0020	LF		3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL).....	7.96	1.16
			For Up To 20, Add	1.93	
			For >20 To 40, Add	1.17	
			For >40 To 80, Add	0.49	
			For >240 To 960, Deduct	-0.70	
			For >960, Deduct	-1.06	
09 65 13 36-0021	LF		1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q) .....	10.26	1.16
			For Up To 20, Add	2.28	
			For >20 To 40, Add	1.40	
			For >40 To 80, Add	0.61	
			For >240 To 960, Deduct	-0.93	
			For >960, Deduct	-1.40	
09 65 13 36-0022	LF		0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X).....	5.25	1.16
			For Up To 20, Add	1.53	
			For >20 To 40, Add	0.90	
			For >40 To 80, Add	0.36	
			For >240 To 960, Deduct	-0.43	
			For >960, Deduct	-0.65	
09 65 13 36-0023	LF		0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y).....	5.33	1.16
			For Up To 20, Add	1.54	
			For >20 To 40, Add	0.90	
			For >40 To 80, Add	0.36	
			For >240 To 960, Deduct	-0.44	
			For >960, Deduct	-0.66	
09 65 13 36-0024	LF		0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z).....	6.05	1.16
			For Up To 20, Add	1.65	
			For >20 To 40, Add	0.98	
			For >40 To 80, Add	0.40	
			For >240 To 960, Deduct	-0.51	
			For >960, Deduct	-0.77	

**09 65 16 Resilient Sheet Flooring (09 65)**

Note: Includes mastic and cleaning floor after installation is complete.

**09 65 16 23 Vinyl Sheet Flooring (09 65 16)****09 65 16 23-0001 Vinyl Sheet Flooring (09 65 16 23)**

Note: For flash cove application, add additional square foot of material to form cove base.

09 65 16 23-0002	SF		0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medintech®).....	10.74	0.69
			For Up To 40, Add	3.98	
			For >40 To 100, Add	1.99	
			For >1,000, Deduct	-0.93	
09 65 16 23-0003	SF		0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medley™).....	8.74	0.69
			For Up To 40, Add	3.58	
			For >40 To 100, Add	1.79	
			For >1,000, Deduct	-0.73	
09 65 16 23-0004	SF		0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Connection Corlon®).....	5.64	0.69
			For Up To 40, Add	2.96	
			For >40 To 100, Add	1.48	
			For >1,000, Deduct	-0.42	
09 65 16 23-0005	SF		0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Possibilities® Petit Point™).....	7.37	0.69
			For Up To 40, Add	3.31	
			For >40 To 100, Add	1.65	
			For >1,000, Deduct	-0.60	
09 65 16 23-0006	SF		0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring (Armstrong® Medintech Tandem®).....	9.94	0.69
			For Up To 40, Add	3.82	
			For >40 To 100, Add	1.91	
			For >1,000, Deduct	-0.85	
09 65 16 23-0007	SF		0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring (Armstrong® Safeguard®).....	13.80	0.69
			For Up To 40, Add	4.59	
			For >40 To 100, Add	2.30	
			For >1,000, Deduct	-1.24	



<b>Finishes</b>	<b>09</b>	<b>CSU</b>
Flooring	09 60	
Resilient Flooring	09 65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 65 16 23-0008	<b>Heat Welding Vinyl Sheet Flooring Seams</b> <small>(09 65 16 23)</small> Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.		
09 65 16 23-0009	LF Heat Weld Non-Patterned Vinyl Sheet Flooring Seams.....	6.56	
09 65 16 23-0010	LF Heat Weld Patterned Vinyl Sheet Flooring Seams .....	6.98	
09 65 16 23-0011	<b>Forming Vinyl Sheet Flooring Inside/Outside Cove Corners</b> <small>(09 65 16 23)</small> Note: Excludes heat welding.		
09 65 16 23-0012	EA Forming Vinyl Sheet Flooring Inside/Outside Cove Corners.....	15.40	
09 65 16 23-0013	<b>Vinyl Sheet Flooring Accessories</b> <small>(09 65 16 23)</small>		
09 65 16 23-0014	LF 1/2" Radius Vinyl Cove Filler Strip .....	4.12	
09 65 16 23-0015	LF 1-1/4" Radius Vinyl Cove Filler Strip .....	3.69	
09 65 16 23-0016	LF 1-1/2" Radius Vinyl Cove Filler Strip .....	5.69	
09 65 16 23-0017	LF 1/8" Aluminum Cove Cap.....	2.84	

**09 65 19 Resilient Tile Flooring** (09 65)  
Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.

**09 65 19 19 Vinyl Composition Tile Flooring** (09 65 19)

09 65 19 19-0001	<b>Vinyl Composition Tile (VCT)</b> <small>(09 65 19 19)</small> Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.		
09 65 19 19-0002	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®) .....	3.34	1.39
	<i>For 3/32" Thick, Deduct</i>	-0.16	
	<i>For Extra Stock, Material Only, Deduct</i>	-1.62	
	<i>For &gt;40 To 80, Add</i>	0.25	
	<i>For &gt;1,000 To 3,000, Deduct</i>	-0.08	
	<i>For &gt;3,000 To 6,000, Deduct</i>	-0.19	
	<i>For &gt;6,000, Deduct</i>	-0.35	
	<i>For Wax And Polish, Add</i>	0.47	
09 65 19 19-0003	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™) .....	3.23	1.39
	<i>For Extra Stock, Material Only, Deduct</i>	-1.62	
	<i>For &gt;40 To 80, Add</i>	0.25	
	<i>For &gt;1,000 To 3,000, Deduct</i>	-0.07	
	<i>For &gt;3,000 To 6,000, Deduct</i>	-0.19	
	<i>For &gt;6,000, Deduct</i>	-0.35	
	<i>For Wax And Polish, Add</i>	0.47	
09 65 19 19-0004	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®).....	3.23	1.39
	<i>For Extra Stock, Material Only, Deduct</i>	-1.62	
	<i>For &gt;40 To 80, Add</i>	0.25	
	<i>For &gt;1,000 To 3,000, Deduct</i>	-0.07	
	<i>For &gt;3,000 To 6,000, Deduct</i>	-0.19	
	<i>For &gt;6,000, Deduct</i>	-0.35	
	<i>For Wax And Polish, Add</i>	0.47	
09 65 19 19-0005	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™) .....	4.67	1.39
	<i>For Extra Stock, Material Only, Deduct</i>	-1.62	
	<i>For &gt;40 To 80, Add</i>	0.32	
	<i>For &gt;1,000 To 3,000, Deduct</i>	-0.10	
	<i>For &gt;3,000 To 6,000, Deduct</i>	-0.25	
	<i>For &gt;6,000, Deduct</i>	-0.43	
	<i>For Wax And Polish, Add</i>	0.47	
09 65 19 19-0006	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®).....	4.68	1.39
	<i>For Extra Stock, Material Only, Deduct</i>	-1.62	
	<i>For &gt;40 To 80, Add</i>	0.32	
	<i>For &gt;1,000 To 3,000, Deduct</i>	-0.10	
	<i>For &gt;3,000 To 6,000, Deduct</i>	-0.25	
	<i>For &gt;6,000, Deduct</i>	-0.43	
	<i>For Wax And Polish, Add</i>	0.47	
09 65 19 19-0007	SF 1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®) .....	4.95	1.39
	<i>For Extra Stock, Material Only, Deduct</i>	-1.62	
	<i>For &gt;40 To 80, Add</i>	0.33	
	<i>For &gt;1,000 To 3,000, Deduct</i>	-0.11	
	<i>For &gt;3,000 To 6,000, Deduct</i>	-0.26	
	<i>For &gt;6,000, Deduct</i>	-0.45	
	<i>For Wax And Polish, Add</i>	0.47	
09 65 19 19-0008	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®) .....	5.00	1.39
	<i>For Extra Stock, Material Only, Deduct</i>	-1.62	
	<i>For &gt;40 To 80, Add</i>	0.34	
	<i>For &gt;1,000 To 3,000, Deduct</i>	-0.11	
	<i>For &gt;3,000 To 6,000, Deduct</i>	-0.26	
	<i>For &gt;6,000, Deduct</i>	-0.45	
	<i>For Wax And Polish, Add</i>	0.47	

<b>09</b>	<b>09</b>	<b>Finishes</b>
	<b>09 60</b>	<b>Flooring</b>
	<b>09 65</b>	<b>Resilient Flooring</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 19-0009	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™) .....	5.17	1.39
			<i>For Extra Stock, Material Only, Deduct</i>	-1.62	
			<i>For &gt;40 To 80, Add</i>	0.34	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.11	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.27	
			<i>For &gt;6,000, Deduct</i>	-0.46	
			<i>For Wax And Polish, Add</i>	0.47	
09 65 19 19-0010	SF		1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™).....	6.73	1.39
			<i>For Extra Stock, Material Only, Deduct</i>	-1.62	
			<i>For &gt;40 To 80, Add</i>	0.42	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.14	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.33	
			<i>For &gt;6,000, Deduct</i>	-0.56	
			<i>For Wax And Polish, Add</i>	0.47	
09 65 19 19-0011	SF		1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™).....	7.35	1.39
			<i>For Extra Stock, Material Only, Deduct</i>	-1.62	
			<i>For &gt;40 To 80, Add</i>	0.45	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.16	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.35	
			<i>For &gt;6,000, Deduct</i>	-0.59	
			<i>For Wax And Polish, Add</i>	0.47	
<b>09 65 19 19-0012</b>			<b>Static Dissipative Vinyl Composition Tile (VCT)</b> <small>(09 65 19 19)</small>		
			Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 2 through pattern tile as listed in the task description.		
09 65 19 19-0013	SF		1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™) .....	17.98	1.39
			<i>For Extra Stock, Material Only, Deduct</i>	-2.75	
			<i>For &gt;40 To 80, Add</i>	1.04	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.37	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.82	
			<i>For &gt;6,000, Deduct</i>	-1.34	
			<i>For Wax And Polish, Add</i>	0.47	
09 65 19 19-0014	SF		1/8" Thick, Static Dissipative, Solid Vinyl Composition Tile (VCT) (Staticworx, Ameriworx® ESD) .....	14.58	1.39
			<i>For Extra Stock, Material Only, Deduct</i>	-2.75	
			<i>For Up To 20, Add</i>	3.34	
			<i>For &gt;20 To 40, Add</i>	2.04	
			<i>For &gt;40 To 80, Add</i>	0.87	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.31	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.68	
			<i>For &gt;6,000, Deduct</i>	-1.13	
<b>09 65 19 23</b>			<b>Vinyl Tile Flooring</b> <small>(09 65 19)</small>		
09 65 19 23-0001			<b>Vinyl Tile</b> <small>(09 65 19 23)</small>		
			Note: Any size.		
09 65 19 23-0002			<b>Solid Vinyl Tile (SVT)</b> <small>(09 65 19 23-0001)</small>		
			Note: The following solid vinyl tiles are certified to ASTM F 1700.		
09 65 19 23-0003	SF		1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande).....	8.20	1.39
			<i>For &gt;40 To 80, Add</i>	0.53	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.18	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.41	
			<i>For &gt;6,000, Deduct</i>	-0.70	
09 65 19 23-0004	SF		1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Karim Kolors).....	8.41	1.39
			<i>For &gt;40 To 80, Add</i>	0.54	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.18	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.42	
			<i>For &gt;6,000, Deduct</i>	-0.72	
09 65 19 23-0005	SF		1/8" Thick, Slip Retardant, Class 1 Type B, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande SR) .....	8.56	1.39
			<i>For &gt;40 To 80, Add</i>	0.55	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.18	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.43	
			<i>For &gt;6,000, Deduct</i>	-0.73	
09 65 19 23-0006			<b>Luxury Vinyl Tile (LVT)</b> <small>(09 65 19 23-0001)</small>		
09 65 19 23-0007	SF		2.5mm Thick, Luxury Vinyl Tile (LVT) (Mannington Amtico) .....	13.08	1.39
			<i>For Up To 20, Add</i>	2.91	
			<i>For &gt;20 To 40, Add</i>	1.78	
			<i>For &gt;40 To 80, Add</i>	0.77	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.27	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.61	
			<i>For &gt;6,000, Deduct</i>	-1.00	
<b>09 65 19 33</b>			<b>Rubber Tile Flooring</b> <small>(09 65 19)</small>		
09 65 19 33-0001			<b>Rubber Tile</b> <small>(09 65 19 33)</small>		
09 65 19 33-0002			<b>Rubber Tile With Raised Discs, Assorted Colors</b> <small>(09 65 19 33-0001)</small>		





<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Resilient Flooring	09 65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 33-0003	SF		1/8" Thick Rubber Tile With Raised Discs ..... Note: Smooth, raised disc or other patterned surface.	22.03	0.84
			For Up To 20, Add	3.99	
			For >20 To 40, Add	2.55	
			For >40 To 100, Add	1.19	
09 65 19 33-0004	SF		3/16" Thick Rubber Tile With Raised Discs ..... Note: Smooth, raised disc or other patterned surface.	26.77	0.93
			For Up To 20, Add	4.76	
			For >20 To 40, Add	3.05	
			For >40 To 100, Add	1.43	
09 65 19 33-0005	SF		7/32" Thick Rubber Tile With Raised Discs ..... Note: Smooth, raised disc or other patterned surface.	29.72	1.11
			For Up To 20, Add	5.34	
			For >20 To 40, Add	3.41	
			For >40 To 100, Add	1.60	
<b>09 65 19 43 Polyester Composition Tile Flooring (09 65 19)</b>					
09 65 19 43-0001			<b>Polyester Composition Floor Tile (09 65 19 43)</b>		
			Note: Any size.		
09 65 19 43-0002	SF		1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®)..... For Extra Stock, Material Only, Deduct	7.10 -1.62	1.39
			For >40 To 80, Add	0.44	
			For >1,000 To 3,000, Deduct	-0.15	
			For >3,000 To 6,000, Deduct	-0.34	
			For >6,000, Deduct	-0.58	
09 65 19 43-0003	SF		1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®) ..... For Extra Stock, Material Only, Deduct	5.38 -1.62	1.39
			For >40 To 80, Add	0.35	
			For >1,000 To 3,000, Deduct	-0.12	
			For >3,000 To 6,000, Deduct	-0.28	
			For >6,000, Deduct	-0.48	
<b>09 65 23 Resilient Plank Flooring (09 65)</b>					
			Note: Includes mastic and cleaning floor after installation is complete.		
09 65 23 00-0001			<b>Vinyl Plank Flooring (09 65 23)</b>		
09 65 23 00-0002	SF		0.110" Overall Thickness, 0.012" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™) ..... For Up To 40, Add	8.02 3.44	0.69
			For >40 To 100, Add	1.72	
			For >1,000, Deduct	-0.66	
09 65 23 00-0003	SF		0.135" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™) ..... For Up To 40, Add	10.15 3.86	0.69
			For >40 To 100, Add	1.93	
			For >1,000, Deduct	-0.87	
09 65 23 00-0004	SF		0.16" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™) ..... For Up To 40, Add	11.47 4.13	0.69
			For >40 To 100, Add	2.06	
			For >1,000, Deduct	-1.01	
<b>09 65 43 Linoleum Flooring (09 65)</b>					
			Note: Includes mastic and cleaning floor after installation is complete.		
09 65 43 00-0001			<b>Linoleum Flooring (09 65 43)</b>		
09 65 43 00-0002	SF		Linoleum Tile (Forbo Marmoleum Composition Tile, MCT)..... For Up To 20, Add	6.80 1.96	1.39
			For >20 To 40, Add	1.15	
			For >40 To 100, Add	0.46	
09 65 43 00-0003	SF		2.5 mm, Linoleum Sheet (Forbo Marmoleum) ..... For Up To 20, Add	5.10 1.33	0.69
			For >20 To 40, Add	0.79	
			For >40 To 100, Add	0.33	
			For 3.2mm Thickness, Add	0.74	
			For 2mm Thickness, Deduct	-0.35	
09 65 43 00-0004	LF		Heat Weld Linoleum Sheet Flooring Seams ..... Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.	6.57	
<b>09 65 66 Resilient Athletic Flooring (09 65)</b>					
09 65 66 00-0001			<b>Recycled Rubber, Interlocking Athletic Tiles (09 65 66)</b>		
09 65 66 00-0002	SF		3/8" Height, Recycled Rubber, Interlocking Athletic Tile..... For Colors, Add	7.35 1.28	0.64
09 65 66 00-0003	SF		1/2" Height, Recycled Rubber, Interlocking Athletic Tile..... For Colors, Add	8.54 1.48	0.81
09 65 66 00-0004	SF		3/4" Height, Recycled Rubber, Interlocking Athletic Tile..... For Colors, Add	9.88 1.61	1.30
09 65 66 00-0005	SF		1" Height, Recycled Rubber, Interlocking Athletic Tile..... For Colors, Add	14.37 2.43	1.57

<b>09</b>	<b>09 Finishes</b>
	<b>09 60 Flooring</b>
	<b>09 65 Resilient Flooring</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>09 65 66 00-0006</b>	<b>Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tiles</b> <small>(09 65 66)</small>		
09 65 66 00-0007	SF 3/8" Height, Black Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-155).....	39.41	0.64
	<i>For Colors, Add</i>	4.81	
09 65 66 00-0008	SF 9/16" Height, Black Raised Squares Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-100).....	57.06	0.64
	<i>For Colors, Add</i>	7.02	
09 65 66 00-0009	SF 3/8" Height, Black Raised Discs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-100).....	41.63	0.64
	<i>For Colors, Add</i>	5.09	
09 65 66 00-0010	SF 9/16" Height, Black Raised Nubs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-200).....	51.25	0.64
	<i>For Colors, Add</i>	6.29	
09 65 66 00-0011	SF 7/16" Height, Black Reversible Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling FL-150).....	42.81	0.64
	<i>For Colors, Add</i>	5.24	

<b>09 65 66 00-0012</b>	<b>Sheet Goods For Gym</b> <small>(09 65 66)</small>		
09 65 66 00-0013	SF 1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor.....	16.28	2.77
09 65 66 00-0014	SF 9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor.....	17.22	2.87
09 65 66 00-0015	SF 3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor.....	18.05	2.96
09 65 66 00-0016	SF 1/8" Rubber Sheet Good For Gym Floor Base.....	4.91	2.26
09 65 66 00-0017	SF 3/16" Rubber Sheet Good For Gym Floor Base.....	5.52	2.59
09 65 66 00-0018	SF 1/4" Rubber Sheet Good For Gym Floor Base.....	6.39	2.77
09 65 66 00-0019	SF 3/8" Rubber Sheet Good For Gym Floor Base.....	7.03	2.96
09 65 66 00-0020	SF 1/2" Rubber Sheet Good For Gym Floor Base.....	7.45	3.14

<b>09 65 66 00-0021</b>	<b>Polyurethane Floor Systems</b> <small>(09 65 66)</small>		
	See CSI section 09 93 23 53-0015 for game lines.		
09 65 66 00-0022	SF 9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic).....	22.64	1.85

**09 66 Terrazzo Flooring** (09 60)

**09 66 13 Portland Cement Terrazzo Flooring** (09 66)  
Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.

**09 66 13 13 Sand Cushion Terrazzo Flooring** (09 66 13)

<b>09 66 13 13-0001</b>	<b>Floors Not Bonded To Concrete</b> <small>(09 66 13 13)</small>		
	Note: 3" Thick - 5/8" topping and 1/4" sand cushion.		
09 66 13 13-0002	SF Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion.....	32.29	2.87
	<i>For Venetian Type Terrazzo, Add</i>	8.48	
	<i>For Abrasive Heavy Duty Terrazzo, Add</i>	8.48	
	<i>For Colors, Add</i>	4.24	
	<i>For Up To 100, Add</i>	7.83	
	<i>For &gt;100 To 250, Add</i>	3.92	
09 66 13 13-0003	SF Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion.....	32.45	2.87
	<i>For Venetian Type Terrazzo, Add</i>	8.56	
	<i>For Abrasive Heavy Duty Terrazzo, Add</i>	8.56	
	<i>For Colors, Add</i>	4.28	
	<i>For Up To 100, Add</i>	7.85	
	<i>For &gt;100 To 250, Add</i>	3.92	

**09 66 13 16 Monolithic Terrazzo Flooring** (09 66 13)

<b>09 66 13 16-0001</b>	<b>Monolithic Terrazzo</b> <small>(09 66 13 16)</small>		
09 66 13 16-0002	SF Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4' To 5' Square Panels Topping.....	17.91	2.87
	Note: Including Mesh And Felt		
	<i>For Venetian Type Terrazzo, Add</i>	6.17	
	<i>For Abrasive Heavy Duty Terrazzo, Add</i>	6.17	
	<i>For Colors, Add</i>	3.09	
	<i>For Up To 100, Add</i>	3.46	
	<i>For &gt;100 To 250, Add</i>	1.73	

**09 66 13 19 Bonded Terrazzo Flooring** (09 66 13)

<b>09 66 13 19-0001</b>	<b>Floors Bonded To Concrete</b> <small>(09 66 13 19)</small>		
	Note: 1-3/4" Thick - 5/8" topping.		
09 66 13 19-0002	SF Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping.....	25.76	2.87
	<i>For Venetian Type Terrazzo, Add</i>	6.99	
	<i>For Abrasive Heavy Duty Terrazzo, Add</i>	6.99	
	<i>For Colors, Add</i>	3.50	
	<i>For Up To 100, Add</i>	6.11	
	<i>For &gt;100 To 250, Add</i>	3.06	



<b>Finishes</b>	<b>09</b>	<b>CSU</b>
<b>Flooring</b>	<b>09 60</b>	
<b>Terrazzo Flooring</b>	<b>09 66</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 19-0003 SF Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping..... <i>For Venetian Type Terrazzo, Add</i> <i>For Abrasive Heavy Duty Terrazzo, Add</i> <i>For Colors, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i>	25.93 7.08 7.08 3.54 6.13 3.06	2.87
<b>09 66 13 19-0004 Terrazzo Wainscot</b> <small>(09 66 13 19)</small>		
09 66 13 19-0005 SF 1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry ..... <i>For Venetian Type Terrazzo, Add</i>	34.59 4.53	3.83
<b>09 66 13 19-0006 Terrazzo Base</b> <small>(09 66 13 19)</small>		
09 66 13 19-0007 SF 6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry ..... <i>For Venetian Type Terrazzo, Add</i>	36.74 9.87	3.06
<b>09 66 13 19-0008 Terrazzo Curb</b> <small>(09 66 13 19)</small>		
09 66 13 19-0009 LF 6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces ..... <i>For Venetian Type Terrazzo, Add</i>	94.30 13.16	20.40
<b>09 66 13 19-0010 Stairs Cast In Place</b> <small>(09 66 13 19)</small> Note: Topping applied to concrete or metal.		
09 66 13 19-0011 LF 1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal ..... <i>For Each SF Of Abrasive Surface Finish, Add</i> <i>For Each LF Of Embedded Abrasive Strips, Add</i> <i>For Each LF Of Abrasive Metal Nosing, Add</i> <i>For Each SF Of Landings, Add</i>	35.26 0.35 0.56 3.90 1.50	5.75
09 66 13 19-0012 LF Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal ..... <i>For Each SF Of Abrasive Surface Finish, Add</i> <i>For Each LF Of Embedded Abrasive Strips, Add</i> <i>For Each LF Of Abrasive Metal Nosing, Add</i> <i>For Each SF Of Landings, Add</i>	87.97 0.35 0.56 3.90 1.50	19.15
09 66 13 19-0013 SF Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal ..... <i>For Each SF Of Abrasive Surface Finish, Add</i> <i>For Each LF Of Embedded Abrasive Strips, Add</i> <i>For Each LF Of Abrasive Metal Nosing, Add</i> <i>For Each SF Of Landings, Add</i>	35.76 0.35 0.56 3.90 1.50	5.75
<b>09 66 13 19-0014 Divider Strips</b> <small>(09 66 13 19)</small>		
09 66 13 19-0015 LF 1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip.....	5.86	0.96
09 66 13 19-0016 LF 1-1/4" Deep, 14 Gauge, Brass, Divider Strip .....	5.55	0.96
09 66 13 19-0017 LF 1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip .....	9.15	0.96
09 66 13 19-0018 LF 1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip.....	13.68	0.96
09 66 13 19-0019 LF 1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors.....	5.59	0.96
09 66 13 19-0020 LF 1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors.....	8.44	0.96
09 66 13 19-0021 LF Vinyl Plastic, Divider Strip For Floor .....	4.96	0.96
<b>09 66 16 Terrazzo Floor Tile</b> <small>(09 66)</small>		
<b>09 66 16 13 Portland Cement Terrazzo Floor Tile</b> <small>(09 66 16)</small>		
<b>09 66 16 13-0001 Flooring Tiles</b> <small>(09 66 16 13)</small> Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".		
<b>09 66 16 13-0002 Terrazzo Tiles With Non Slip Surface</b> <small>(09 66 16 13-0001)</small>		
09 66 16 13-0003 SF 9" x 9" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	29.11 0.36 2.00	2.66
09 66 16 13-0004 SF 12" x 12" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	29.77 0.36 2.00	2.66
09 66 16 13-0005 SF 12" x 12" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	34.48 0.36 2.00	2.66
09 66 16 13-0006 SF 18" x 18" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	36.93 0.36 2.00	2.66
09 66 16 13-0007 SF 24" x 24" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	38.68 0.36 2.00	2.66
<b>09 66 16 13-0008 Terrazzo Tile Thin Set</b> <small>(09 66 16 13-0001)</small>		
09 66 16 13-0009 SF Precast Terrazzo, 1/4"-1/2" Chips Floor Tiles, Thin Set Gray Cement Bed ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	28.84 0.36 2.00	2.66
09 66 16 13-0010 SF Precast Terrazzo, 3/8"-1" Chips Floor Tiles, Thin Set Gray Cement Bed ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	30.78 0.36 2.00	2.66

<b>09</b>	<b>09 Finishes</b>
	<b>09 60 Flooring</b>
	<b>09 66 Terrazzo Flooring</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 66 16 13-0011 Thin Set Terrazzo Wainscot</b> <small>(09 66 16 13-0001)</small>		
09 66 16 13-0012 SF 12" x 12" x 1" Terrazzo Tile Wainscot Thin Set.....	47.02	6.11
For Each LF Of White Cement, Add	0.50	
For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0013 SF 18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set.....	53.67	6.11
For Each LF Of White Cement, Add	0.50	
For Each LF Of Zinc Toe Strip, Add	1.00	
<b>09 66 16 13-0014 Thin Set Terrazzo Base, Gray Cement</b> <small>(09 66 16 13-0001)</small>		
09 66 16 13-0015 LF 6" High, Straight Terrazzo Base Thin Set, Gray Cement .....	15.66	3.06
For Each LF Of White Cement, Add	0.50	
For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0016 LF 6" High, Cove Terrazzo Base Thin Set, Gray Cement .....	17.45	3.06
For Each LF Of White Cement, Add	0.50	
For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0017 LF 8" High, Straight Terrazzo Base Thin Set, Gray Cement .....	18.22	3.06
For Each LF Of White Cement, Add	0.50	
For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0018 LF 8" High, Cove Terrazzo Base Thin Set, Gray Cement .....	19.11	3.06
For Each LF Of White Cement, Add	0.50	
For Each LF Of Zinc Toe Strip, Add	1.00	
<b>09 66 16 13-0019 Terrazzo Curbs</b> <small>(09 66 16 13-0001)</small>		
09 66 16 13-0020 LF 8" x 8" Curb, Terrazzo Tile.....	31.66	4.08
For Each LF Of White Cement, Add	0.50	
For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0021 LF 6" x 6" Curb, Terrazzo Tile.....	30.76	4.08
For Each LF Of White Cement, Add	0.50	
For Each LF Of Zinc Toe Strip, Add	1.00	
<b>09 66 16 13-0022 Precast Terrazzo Stair Treads 12" Wide</b> <small>(09 66 16 13-0001)</small>		
09 66 16 13-0023 LF 1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern.....	75.12	4.08
09 66 16 13-0024 LF 1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non Slip Surface.....	64.38	4.08
09 66 16 13-0025 LF 2" Precast Terrazzo Straight Stair Tread.....	57.23	4.08
09 66 16 13-0026 LF 2" Precast Terrazzo Curved Stair Tread.....	66.96	4.08
<b>09 66 16 13-0027 Stair Risers, 1" Thick To 6" High, Straight</b> <small>(09 66 16 13-0001)</small>		
09 66 16 13-0028 LF 1"-6" High Precast Terrazzo Stair Riser Straight Section, Thin Set .....	34.22	3.06
09 66 16 13-0029 LF 1"-6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set.....	39.59	3.06
<b>09 66 16 13-0030 Stair Risers, 1" Thick To 6" High, Curved</b> <small>(09 66 16 13-0001)</small>		
09 66 16 13-0031 LF 1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set .....	50.18	3.06
09 66 16 13-0032 LF 1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set.....	53.76	3.06
<b>09 66 16 13-0033 Tread And Riser</b> <small>(09 66 16 13)</small>		
<b>09 66 16 13-0034 Stair Stringers, Notched For Treads And Risers</b> <small>(09 66 16 13-0033)</small>		
09 66 16 13-0035 LF 1" Precast Terrazzo Stair Stringers Notched For Treads And Risers.....	84.24	8.16
09 66 16 13-0036 LF 2" Precast Terrazzo Stair Stringers Notched For Treads And Risers.....	101.63	8.16
<b>09 66 16 13-0037 Structural Non-Slip Landings</b> <small>(09 66 16 13-0033)</small>		
09 66 16 13-0038 SF 1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non Slip.....	60.57	4.08
09 66 16 13-0039 SF 3" Thick Precast Terrazzo Stair Landing Structural, Non Slip.....	74.43	4.08
<b>09 66 16 13-0040 Combined Tread And Riser</b> <small>(09 66 16 13-0033)</small>		
<b>09 66 16 13-0041 Straight Sections</b> <small>(09 66 16 13-0040)</small>		
09 66 16 13-0042 LF Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section.....	131.58	8.16
09 66 16 13-0043 LF Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section.....	156.63	8.16
<b>09 66 16 13-0044 Curved Sections</b> <small>(09 66 16 13-0040)</small>		
09 66 16 13-0045 LF Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section.....	164.61	8.16
09 66 16 13-0046 LF Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section.....	207.55	8.16
<b>09 66 23 Resinous Matrix Terrazzo Flooring</b> <small>(09 66)</small>		
<b>09 66 23 16 Epoxy-Resin Terrazzo Flooring</b> <small>(09 66 23)</small>		
09 66 23 16-0001 Epoxy Terrazzo <small>(09 66 23 16)</small>		



<b>Finishes</b>	<b>09</b>	<b>CSU</b>
Flooring	09 60	
Terrazzo Flooring	09 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 23 16-0002 SF Chemical Resistant Epoxy Terrazzo, 1/4" Thick.....	24.59	2.87
<b>09 66 33 Conductive Terrazzo Flooring (09 66)</b>		
Note: For anti-static areas.		
<b>09 66 33 13 Conductive Epoxy-Resin Terrazzo (09 66 33)</b>		
09 66 33 13-0001 SF Terrazzo, Epoxy System, Floor Sparkproof, Conductive, Industrial.....	26.08	5.10
09 66 33 13-0002 SF Terrazzo, Epoxy System, Base Sparkproof, Conductive, Industrial.....	47.29	5.10
<b>09 66 33 16 Conductive Polyester-Resin Terrazzo Flooring (09 66 33)</b>		
09 66 33 16-0001 SF Terrazzo, Polyester System, Floor Sparkproof, Conductive, Industrial.....	19.96	5.10
09 66 33 16-0002 SF Terrazzo, Polyester System, Base Sparkproof, Conductive, Industrial.....	34.09	5.10
<b>09 66 33 19 Conductive Plastic-Matrix Terrazzo Flooring (09 66 33)</b>		
09 66 33 19-0001 SF Terrazzo, Polyacrylate System, Floor Sparkproof, Conductive, Industrial.....	22.32	5.10
09 66 33 19-0002 SF Terrazzo, Polyacrylate System, Base Sparkproof, Conductive, Industrial.....	42.63	5.10
09 66 33 19-0003 SF Terrazzo, Synthetic Latex Mastic System, Floor Sparkproof, Conductive, Industrial.....	32.24	5.10
09 66 33 19-0004 SF Terrazzo, Synthetic Latex Mastic System, Base Sparkproof, Conductive, Industrial.....	36.68	5.10
<b>09 67 Fluid-Applied Flooring (09 60)</b>		
<b>09 67 16 Epoxy-Marble Chip Flooring (09 67)</b>		
<b>09 67 16 00-0001 Epoxy Marble Chip Flooring (09 67 16)</b>		
09 67 16 00-0002 SF Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base.....	16.98	2.87
Note: Includes primer, 1/4" epoxy marble coat with quartz chips and top seal coat.		
<i>For Skid Resistant Abrasive Sand Finish, Add</i>		
	0.08	
<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>		
	0.08	
09 67 16 00-0003 SF Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy Duty Epoxy.....	18.15	2.87
Note: Includes primer, 3/16" marble chip coat and top seal coat.		
<i>For Skid Resistant Abrasive Sand Finish, Add</i>		
	0.09	
<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>		
	0.09	
<b>09 67 23 Resinous Flooring (09 67)</b>		
<b>09 67 23 00-0001 Epoxy Resin Flooring (09 67 23)</b>		
Note: Includes primer, slurry coat(s) and top coat(s) (assorted colors). Excludes existing floor preparation of sand/bead blasting or two pass floor grinding, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes. See CSI section 03 01 30 51-0001 for bead blasting, 03 35 43 00-0001 for additional floor polish grinding, 09 01 60 91-0011 for degreasing.		
09 67 23 00-0002 SF 3/16" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	13.17	6.52
Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
<i>For Skid Resistant Abrasive Sand Finish, Add</i>		
	0.06	
<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>		
	0.06	
<i>For Up To 500, Add</i>		
	2.53	
<i>For &gt;500 To 1,000, Add</i>		
	1.59	
<i>For &gt;1,000 To 2,000, Add</i>		
	0.80	
<i>For &gt;10,000, Deduct</i>		
	-0.85	
09 67 23 00-0003 SF 3/16" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	19.81	6.52
Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
<i>For Skid Resistant Abrasive Sand Finish, Add</i>		
	0.12	
<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>		
	0.12	
<i>For Up To 500, Add</i>		
	4.19	
<i>For &gt;500 To 1,000, Add</i>		
	2.59	
<i>For &gt;1,000 To 2,000, Add</i>		
	1.29	
<i>For &gt;10,000, Deduct</i>		
	-1.18	
09 67 23 00-0004 SF 1/4" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	15.69	7.28
Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
<i>For Skid Resistant Abrasive Sand Finish, Add</i>		
	0.06	
<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>		
	0.06	
<i>For Up To 500, Add</i>		
	2.96	
<i>For &gt;500 To 1,000, Add</i>		
	1.87	
<i>For &gt;1,000 To 2,000, Add</i>		
	0.94	
<i>For &gt;10,000, Deduct</i>		
	-1.02	
09 67 23 00-0005 SF 1/4" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	23.30	7.28
Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
<i>For Skid Resistant Abrasive Sand Finish, Add</i>		
	0.14	
<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>		
	0.14	
<i>For Up To 500, Add</i>		
	4.87	
<i>For &gt;500 To 1,000, Add</i>		
	3.02	
<i>For &gt;1,000 To 2,000, Add</i>		
	1.51	
<i>For &gt;10,000, Deduct</i>		
	-1.40	

<b>09</b>	<b>09</b>	<b>Finishes</b>
	<b>09 60</b>	<b>Flooring</b>
	<b>09 67</b>	<b>Fluid-Applied Flooring</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 67	23 00-0006	SF	3/8" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	17.73	8.14
			Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
			For Skid Resistant Abrasive Sand Finish, Add	0.07	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.07	
			For Up To 500, Add	3.37	
			For >500 To 1,000, Add	2.13	
			For >1,000 To 2,000, Add	1.06	
			For >10,000, Deduct	-1.15	
09 67	23 00-0007	SF	3/8" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound .....	25.80	8.14
			Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
			For Skid Resistant Abrasive Sand Finish, Add	0.15	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.15	
			For Up To 500, Add	5.39	
			For >500 To 1,000, Add	3.34	
			For >1,000 To 2,000, Add	1.67	
			For >10,000, Deduct	-1.56	

**09 68** **Carpeting** (09 60)

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

**09 68 13** **Tile Carpeting** (09 68)

**09 68 13 00-0001** **Tufted Carpet Tiles** (09 68 13)

Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue or peel and stick backing.

**09 68 13 00-0002** **Non-Patterned Carpet Tiles** (09 68 13 00-0001)

09 68	13 00-0003	SY	18 Ounce, Non Patterned, Nylon Carpet Tile.....	37.04	5.56
			For Up To 15, Add	2.73	
			For >15 To 33, Add	1.36	
			For >200 To 400, Deduct	-0.47	
			For >400 To 600, Deduct	-0.70	
			For >600 To 900, Deduct	-1.37	
			For >900 To 1,500, Deduct	-2.05	
			For >1,500 To 2,200, Deduct	-3.02	
			For >2,200 To 3,500, Deduct	-3.95	
			For >3,500, Deduct	-4.87	
			For Cushion Backed Tile, Add	6.00	
09 68	13 00-0004	SY	20 Ounce, Non Patterned, Nylon Carpet Tile.....	38.46	5.56
			For Up To 15, Add	2.73	
			For >15 To 33, Add	1.36	
			For >200 To 400, Deduct	-0.50	
			For >400 To 600, Deduct	-0.74	
			For >600 To 900, Deduct	-1.45	
			For >900 To 1,500, Deduct	-2.15	
			For >1,500 To 2,200, Deduct	-3.16	
			For >2,200 To 3,500, Deduct	-4.13	
			For >3,500, Deduct	-5.09	
			For Cushion Backed Tile, Add	6.00	
09 68	13 00-0005	SY	22 Ounce, Non Patterned, Nylon Carpet Tile.....	42.96	5.56
			For Up To 15, Add	2.73	
			For >15 To 33, Add	1.36	
			For >200 To 400, Deduct	-0.59	
			For >400 To 600, Deduct	-0.88	
			For >600 To 900, Deduct	-1.67	
			For >900 To 1,500, Deduct	-2.46	
			For >1,500 To 2,200, Deduct	-3.61	
			For >2,200 To 3,500, Deduct	-4.69	
			For >3,500, Deduct	-5.76	
			For Cushion Backed Tile, Add	6.00	
09 68	13 00-0006	SY	24 Ounce, Non Patterned, Nylon Carpet Tile.....	47.35	5.56
			For Up To 15, Add	2.73	
			For >15 To 33, Add	1.36	
			For >200 To 400, Deduct	-0.67	
			For >400 To 600, Deduct	-1.01	
			For >600 To 900, Deduct	-1.89	
			For >900 To 1,500, Deduct	-2.77	
			For >1,500 To 2,200, Deduct	-4.05	
			For >2,200 To 3,500, Deduct	-5.24	
			For >3,500, Deduct	-6.42	
			For Cushion Backed Tile, Add	6.00	
09 68	13 00-0007	SY	26 Ounce, Non Patterned, Nylon Carpet Tile.....	49.92	5.56
			For Up To 15, Add	2.73	
			For >15 To 33, Add	1.36	
			For >200 To 400, Deduct	-0.73	
			For >400 To 600, Deduct	-1.09	
			For >600 To 900, Deduct	-2.02	
			For >900 To 1,500, Deduct	-2.95	
			For >1,500 To 2,200, Deduct	-4.31	
			For >2,200 To 3,500, Deduct	-5.56	
			For >3,500, Deduct	-6.81	
			For Cushion Backed Tile, Add	6.00	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0008 SY 28 Ounce, Non Patterned, Nylon Carpet Tile.....	52.55	5.56
For Up To 15, Add	2.73	
For >15 To 33, Add	1.36	
For >200 To 400, Deduct	-0.78	
For >400 To 600, Deduct	-1.17	
For >600 To 900, Deduct	-2.15	
For >900 To 1,500, Deduct	-3.13	
For >1,500 To 2,200, Deduct	-4.57	
For >2,200 To 3,500, Deduct	-5.89	
For >3,500, Deduct	-7.20	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0009 SY 30 Ounce, Non Patterned, Nylon Carpet Tile.....	53.33	5.56
For Up To 15, Add	2.73	
For >15 To 33, Add	1.36	
For >200 To 400, Deduct	-0.79	
For >400 To 600, Deduct	-1.19	
For >600 To 900, Deduct	-2.19	
For >900 To 1,500, Deduct	-3.19	
For >1,500 To 2,200, Deduct	-4.65	
For >2,200 To 3,500, Deduct	-5.98	
For >3,500, Deduct	-7.32	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0010 SY 32 Ounce, Non Patterned, Nylon Carpet Tile.....	53.82	5.56
For Up To 15, Add	2.73	
For >15 To 33, Add	1.36	
For >200 To 400, Deduct	-0.80	
For >400 To 600, Deduct	-1.21	
For >600 To 900, Deduct	-2.21	
For >900 To 1,500, Deduct	-3.22	
For >1,500 To 2,200, Deduct	-4.70	
For >2,200 To 3,500, Deduct	-6.05	
For >3,500, Deduct	-7.39	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0011 SY 34 Ounce, Non Patterned, Nylon Carpet Tile.....	54.23	5.56
For Up To 15, Add	2.73	
For >15 To 33, Add	1.36	
For >200 To 400, Deduct	-0.81	
For >400 To 600, Deduct	-1.22	
For >600 To 900, Deduct	-2.23	
For >900 To 1,500, Deduct	-3.25	
For >1,500 To 2,200, Deduct	-4.74	
For >2,200 To 3,500, Deduct	-6.10	
For >3,500, Deduct	-7.45	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0012 SY 36 Ounce, Non Patterned, Nylon Carpet Tile.....	55.63	5.56
For Up To 15, Add	2.73	
For >15 To 33, Add	1.36	
For >200 To 400, Deduct	-0.84	
For >400 To 600, Deduct	-1.26	
For >600 To 900, Deduct	-2.30	
For >900 To 1,500, Deduct	-3.35	
For >1,500 To 2,200, Deduct	-4.88	
For >2,200 To 3,500, Deduct	-6.27	
For >3,500, Deduct	-7.66	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0013 SY 38 Ounce, Non Patterned, Nylon Carpet Tile.....	58.41	5.56
For Up To 15, Add	2.73	
For >15 To 33, Add	1.36	
For >200 To 400, Deduct	-0.90	
For >400 To 600, Deduct	-1.34	
For >600 To 900, Deduct	-2.44	
For >900 To 1,500, Deduct	-3.54	
For >1,500 To 2,200, Deduct	-5.16	
For >2,200 To 3,500, Deduct	-6.62	
For >3,500, Deduct	-8.08	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0014 SY 40 Ounce, Non Patterned, Nylon Carpet Tile.....	61.39	5.56
For Up To 15, Add	2.73	
For >15 To 33, Add	1.36	
For >200 To 400, Deduct	-0.96	
For >400 To 600, Deduct	-1.43	
For >600 To 900, Deduct	-2.59	
For >900 To 1,500, Deduct	-3.75	
For >1,500 To 2,200, Deduct	-5.46	
For >2,200 To 3,500, Deduct	-6.99	
For >3,500, Deduct	-8.53	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	6.00	

09	<b>09 Finishes</b>
	<b>09 60 Flooring</b>
	<b>09 68 Carpeting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0015 SY 42 Ounce, Non Patterned, Nylon Carpet Tile.....	67.12	5.56
For Up To 15, Add	2.73	
For >15 To 33, Add	1.36	
For >200 To 400, Deduct	-1.07	
For >400 To 600, Deduct	-1.60	
For >600 To 900, Deduct	-2.88	
For >900 To 1,500, Deduct	-4.15	
For >1,500 To 2,200, Deduct	-6.03	
For >2,200 To 3,500, Deduct	-7.71	
For >3,500, Deduct	-9.39	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0016 SY Installation Of Owner Provided Non Patterned Carpet Tiles.....	13.47	
<b>09 68 13 00-0017 Patterned Carpet Tiles</b> <small>(09 68 13 00-0001)</small>		
<small>Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.</small>		
09 68 13 00-0018 SY 15 Ounce, Patterned, Nylon Carpet Tile.....	38.00	5.56
For Up To 15, Add	3.00	
For >15 To 33, Add	1.50	
For >200 To 400, Deduct	-0.46	
For >400 To 600, Deduct	-0.69	
For >600 To 900, Deduct	-1.37	
For >900 To 1,500, Deduct	-2.06	
For >1,500 To 2,200, Deduct	-3.05	
For >2,200 To 3,500, Deduct	-4.00	
For >3,500, Deduct	-4.95	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0019 SY 18 Ounce, Patterned, Nylon Carpet Tile.....	38.76	5.56
For Up To 15, Add	3.00	
For >15 To 33, Add	1.50	
For >200 To 400, Deduct	-0.48	
For >400 To 600, Deduct	-0.71	
For >600 To 900, Deduct	-1.41	
For >900 To 1,500, Deduct	-2.11	
For >1,500 To 2,200, Deduct	-3.13	
For >2,200 To 3,500, Deduct	-4.09	
For >3,500, Deduct	-5.06	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0020 SY 20 Ounce, Patterned, Nylon Carpet Tile.....	40.20	5.56
For Up To 15, Add	3.00	
For >15 To 33, Add	1.50	
For >200 To 400, Deduct	-0.50	
For >400 To 600, Deduct	-0.76	
For >600 To 900, Deduct	-1.48	
For >900 To 1,500, Deduct	-2.21	
For >1,500 To 2,200, Deduct	-3.27	
For >2,200 To 3,500, Deduct	-4.27	
For >3,500, Deduct	-5.28	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0021 SY 22 Ounce, Patterned, Nylon Carpet Tile.....	44.77	5.56
For Up To 15, Add	3.00	
For >15 To 33, Add	1.50	
For >200 To 400, Deduct	-0.60	
For >400 To 600, Deduct	-0.89	
For >600 To 900, Deduct	-1.71	
For >900 To 1,500, Deduct	-2.53	
For >1,500 To 2,200, Deduct	-3.73	
For >2,200 To 3,500, Deduct	-4.85	
For >3,500, Deduct	-5.97	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0022 SY 24 Ounce, Patterned, Nylon Carpet Tile.....	49.23	5.56
For Up To 15, Add	3.00	
For >15 To 33, Add	1.50	
For >200 To 400, Deduct	-0.68	
For >400 To 600, Deduct	-1.03	
For >600 To 900, Deduct	-1.94	
For >900 To 1,500, Deduct	-2.85	
For >1,500 To 2,200, Deduct	-4.17	
For >2,200 To 3,500, Deduct	-5.40	
For >3,500, Deduct	-6.63	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0023 SY 26 Ounce, Patterned, Nylon Carpet Tile.....	51.83	5.56
For Up To 15, Add	3.00	
For >15 To 33, Add	1.50	
For >200 To 400, Deduct	-0.74	
For >400 To 600, Deduct	-1.10	
For >600 To 900, Deduct	-2.07	
For >900 To 1,500, Deduct	-3.03	
For >1,500 To 2,200, Deduct	-4.43	
For >2,200 To 3,500, Deduct	-5.73	
For >3,500, Deduct	-7.02	
For Cushion Backed Tile, Add	6.00	





<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0024 SY 28 Ounce, Patterned, Nylon Carpet Tile .....	54.50	5.56
For Up To 15, Add	3.00	
For >15 To 33, Add	1.50	
For >200 To 400, Deduct	-0.79	
For >400 To 600, Deduct	-1.18	
For >600 To 900, Deduct	-2.20	
For >900 To 1,500, Deduct	-3.21	
For >1,500 To 2,200, Deduct	-4.70	
For >2,200 To 3,500, Deduct	-6.06	
For >3,500, Deduct	-7.42	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0025 SY 30 Ounce, Patterned, Nylon Carpet Tile .....	55.29	5.56
For Up To 15, Add	3.00	
For >15 To 33, Add	1.50	
For >200 To 400, Deduct	-0.81	
For >400 To 600, Deduct	-1.21	
For >600 To 900, Deduct	-2.24	
For >900 To 1,500, Deduct	-3.27	
For >1,500 To 2,200, Deduct	-4.78	
For >2,200 To 3,500, Deduct	-6.16	
For >3,500, Deduct	-7.54	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0026 SY 32 Ounce, Patterned, Nylon Carpet Tile .....	55.79	5.56
For Up To 15, Add	3.00	
For >15 To 33, Add	1.50	
For >200 To 400, Deduct	-0.82	
For >400 To 600, Deduct	-1.22	
For >600 To 900, Deduct	-2.26	
For >900 To 1,500, Deduct	-3.30	
For >1,500 To 2,200, Deduct	-4.83	
For >2,200 To 3,500, Deduct	-6.22	
For >3,500, Deduct	-7.62	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0027 SY 34 Ounce, Patterned, Nylon Carpet Tile .....	56.21	5.56
For Up To 15, Add	3.00	
For >15 To 33, Add	1.50	
For >200 To 400, Deduct	-0.82	
For >400 To 600, Deduct	-1.24	
For >600 To 900, Deduct	-2.29	
For >900 To 1,500, Deduct	-3.33	
For >1,500 To 2,200, Deduct	-4.87	
For >2,200 To 3,500, Deduct	-6.28	
For >3,500, Deduct	-7.68	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0028 SY 36 Ounce, Patterned, Nylon Carpet Tile .....	57.63	5.56
For Up To 15, Add	3.00	
For >15 To 33, Add	1.50	
For >200 To 400, Deduct	-0.85	
For >400 To 600, Deduct	-1.28	
For >600 To 900, Deduct	-2.36	
For >900 To 1,500, Deduct	-3.43	
For >1,500 To 2,200, Deduct	-5.01	
For >2,200 To 3,500, Deduct	-6.45	
For >3,500, Deduct	-7.89	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0029 SY 38 Ounce, Patterned, Nylon Carpet Tile .....	60.45	5.56
For Up To 15, Add	3.00	
For >15 To 33, Add	1.50	
For >200 To 400, Deduct	-0.91	
For >400 To 600, Deduct	-1.36	
For >600 To 900, Deduct	-2.50	
For >900 To 1,500, Deduct	-3.63	
For >1,500 To 2,200, Deduct	-5.29	
For >2,200 To 3,500, Deduct	-6.81	
For >3,500, Deduct	-8.32	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0030 SY 40 Ounce, Patterned, Nylon Carpet Tile .....	63.48	5.56
For Up To 15, Add	3.00	
For >15 To 33, Add	1.50	
For >200 To 400, Deduct	-0.97	
For >400 To 600, Deduct	-1.45	
For >600 To 900, Deduct	-2.65	
For >900 To 1,500, Deduct	-3.84	
For >1,500 To 2,200, Deduct	-5.60	
For >2,200 To 3,500, Deduct	-7.18	
For >3,500, Deduct	-8.77	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	6.00	

<b>09</b>	<b>09 Finishes</b>
	<b>09 60 Flooring</b>
	<b>09 68 Carpeting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0031 SY 42 Ounce, Patterned, Nylon Carpet Tile .....	69.29	5.56
For Up To 15, Add	3.00	
For >15 To 33, Add	1.50	
For >200 To 400, Deduct	-1.09	
For >400 To 600, Deduct	-1.63	
For >600 To 900, Deduct	-2.94	
For >900 To 1,500, Deduct	-4.25	
For >1,500 To 2,200, Deduct	-6.18	
For >2,200 To 3,500, Deduct	-7.91	
For >3,500, Deduct	-9.64	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0032 SY Installation Of Owner Provided Patterned Carpet Tiles.....	15.46	
<b>09 68 13 00-0033 ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery ECO Series) (09 68 13 00-0001)</b>		
Note: Includes conductive ESD releasable adhesive and grounding clips.		
09 68 13 00-0034 SY 24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series) .....	87.01	5.56
For Up To 15, Add	3.00	
For >15 To 33, Add	1.50	
For >200 To 400, Deduct	-1.44	
For >400 To 600, Deduct	-2.16	
For >600 To 900, Deduct	-3.83	
For >900 To 1,500, Deduct	-5.49	
For >1,500 To 2,200, Deduct	-7.95	
For >2,200 To 3,500, Deduct	-10.13	
For >3,500, Deduct	-12.30	
<b>09 68 16 Sheet Carpeting (09 68)</b>		
Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.		
09 68 16 00-0001 Carpet Cushion (09 68 16)		
09 68 16 00-0002 Carpet Padding (09 68 16 00-0001)		
09 68 16 00-0003 Prime Polyurethane Foam Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0004 SY 7/16" Thick, Prime Polyurethane Foam Carpet Padding.....	16.47	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.25	
For >400 To 600, Deduct	-0.38	
For >600 To 900, Deduct	-0.69	
For >900 To 1,500, Deduct	-1.00	
For >1,500 To 2,200, Deduct	-1.45	
For >2,200 To 3,500, Deduct	-1.86	
For >3,500, Deduct	-2.28	
09 68 16 00-0005 SY 1/2" Thick, Prime Polyurethane Foam Carpet Padding.....	17.22	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.27	
For >400 To 600, Deduct	-0.40	
For >600 To 900, Deduct	-0.72	
For >900 To 1,500, Deduct	-1.05	
For >1,500 To 2,200, Deduct	-1.53	
For >2,200 To 3,500, Deduct	-1.96	
For >3,500, Deduct	-2.39	
09 68 16 00-0006 Bonded (Rebond) Polyurethane Foam Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0007 SY 1/4" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	10.04	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.12	
For >400 To 600, Deduct	-0.18	
For >600 To 900, Deduct	-0.37	
For >900 To 1,500, Deduct	-0.55	
For >1,500 To 2,200, Deduct	-0.81	
For >2,200 To 3,500, Deduct	-1.06	
For >3,500, Deduct	-1.31	
09 68 16 00-0008 SY 5/16" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	10.55	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.13	
For >400 To 600, Deduct	-0.20	
For >600 To 900, Deduct	-0.39	
For >900 To 1,500, Deduct	-0.58	
For >1,500 To 2,200, Deduct	-0.86	
For >2,200 To 3,500, Deduct	-1.12	
For >3,500, Deduct	-1.39	



<b>Finishes</b>	<b>09</b>	<b>CSU</b>
Flooring	09 60	
Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0009 SY 3/8" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	8.16	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.09	
For >400 To 600, Deduct	-0.13	
For >600 To 900, Deduct	-0.27	
For >900 To 1,500, Deduct	-0.42	
For >1,500 To 2,200, Deduct	-0.62	
For >2,200 To 3,500, Deduct	-0.83	
For >3,500, Deduct	-1.03	
09 68 16 00-0010 SY 3/8" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	10.21	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.13	
For >400 To 600, Deduct	-0.19	
For >600 To 900, Deduct	-0.37	
For >900 To 1,500, Deduct	-0.56	
For >1,500 To 2,200, Deduct	-0.83	
For >2,200 To 3,500, Deduct	-1.08	
For >3,500, Deduct	-1.34	
09 68 16 00-0011 SY 7/16" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	10.21	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.13	
For >400 To 600, Deduct	-0.19	
For >600 To 900, Deduct	-0.37	
For >900 To 1,500, Deduct	-0.56	
For >1,500 To 2,200, Deduct	-0.83	
For >2,200 To 3,500, Deduct	-1.08	
For >3,500, Deduct	-1.34	
09 68 16 00-0012 SY 7/16" Thick, 6 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	10.21	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.13	
For >400 To 600, Deduct	-0.19	
For >600 To 900, Deduct	-0.37	
For >900 To 1,500, Deduct	-0.56	
For >1,500 To 2,200, Deduct	-0.83	
For >2,200 To 3,500, Deduct	-1.08	
For >3,500, Deduct	-1.34	
09 68 16 00-0013 SY 7/16" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	11.43	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.15	
For >400 To 600, Deduct	-0.23	
For >600 To 900, Deduct	-0.44	
For >900 To 1,500, Deduct	-0.64	
For >1,500 To 2,200, Deduct	-0.95	
For >2,200 To 3,500, Deduct	-1.23	
For >3,500, Deduct	-1.52	
09 68 16 00-0014 SY 1/2" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	10.10	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.12	
For >400 To 600, Deduct	-0.19	
For >600 To 900, Deduct	-0.37	
For >900 To 1,500, Deduct	-0.55	
For >1,500 To 2,200, Deduct	-0.82	
For >2,200 To 3,500, Deduct	-1.07	
For >3,500, Deduct	-1.32	
09 68 16 00-0015 SY 1/2" Thick, 6 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	10.50	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.13	
For >400 To 600, Deduct	-0.20	
For >600 To 900, Deduct	-0.39	
For >900 To 1,500, Deduct	-0.58	
For >1,500 To 2,200, Deduct	-0.86	
For >2,200 To 3,500, Deduct	-1.12	
For >3,500, Deduct	-1.38	
09 68 16 00-0016 SY 1/2" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	11.94	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.16	
For >400 To 600, Deduct	-0.24	
For >600 To 900, Deduct	-0.46	
For >900 To 1,500, Deduct	-0.68	
For >1,500 To 2,200, Deduct	-1.00	
For >2,200 To 3,500, Deduct	-1.30	
For >3,500, Deduct	-1.60	

09 68 16 00-0017 Froth Polyurethane Foam Carpet Padding (09 68 16 00-0002)

09	<b>09 Finishes</b>
	<b>09 60 Flooring</b>
	<b>09 68 Carpeting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0018 SY 0.175" Thick, 16 LB/CF Froth Polyurethane Foam Rubber Carpet Padding.....	17.59	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.27	
For >400 To 600, Deduct	-0.41	
For >600 To 900, Deduct	-0.74	
For >900 To 1,500, Deduct	-1.08	
For >1,500 To 2,200, Deduct	-1.56	
For >2,200 To 3,500, Deduct	-2.00	
For >3,500, Deduct	-2.44	
09 68 16 00-0019 SY 0.250" Thick, 12 LB/CF Froth Polyurethane Foam Rubber Carpet Padding.....	19.72	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.32	
For >400 To 600, Deduct	-0.47	
For >600 To 900, Deduct	-0.85	
For >900 To 1,500, Deduct	-1.22	
For >1,500 To 2,200, Deduct	-1.78	
For >2,200 To 3,500, Deduct	-2.27	
For >3,500, Deduct	-2.76	
09 68 16 00-0020 SY 0.250" Thick, 16 LB/CF Froth Polyurethane Foam Rubber Carpet Padding.....	21.35	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.35	
For >400 To 600, Deduct	-0.52	
For >600 To 900, Deduct	-0.93	
For >900 To 1,500, Deduct	-1.34	
For >1,500 To 2,200, Deduct	-1.94	
For >2,200 To 3,500, Deduct	-2.47	
For >3,500, Deduct	-3.01	
<b>09 68 16 00-0021 Waffle Rubber Carpet Padding</b> <small>(09 68 16 00-0002)</small>		
09 68 16 00-0022 SY 3/8" Thick, 90 OZ/SY Waffle Rubber Carpet Padding.....	20.29	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.33	
For >400 To 600, Deduct	-0.49	
For >600 To 900, Deduct	-0.88	
For >900 To 1,500, Deduct	-1.26	
For >1,500 To 2,200, Deduct	-1.83	
For >2,200 To 3,500, Deduct	-2.34	
For >3,500, Deduct	-2.85	
<b>09 68 16 00-0023 Flat Sponge Rubber Carpet Padding</b> <small>(09 68 16 00-0002)</small>		
09 68 16 00-0024 SY 0.156" Thick, 62 OZ/SY Flat Sponge Rubber Carpet Padding.....	12.05	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.16	
For >400 To 600, Deduct	-0.24	
For >600 To 900, Deduct	-0.47	
For >900 To 1,500, Deduct	-0.69	
For >1,500 To 2,200, Deduct	-1.01	
For >2,200 To 3,500, Deduct	-1.31	
For >3,500, Deduct	-1.61	
09 68 16 00-0025 SY 0.250" Thick, 68 OZ/SY Flat Sponge Rubber Carpet Padding.....	12.93	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.18	
For >400 To 600, Deduct	-0.27	
For >600 To 900, Deduct	-0.51	
For >900 To 1,500, Deduct	-0.75	
For >1,500 To 2,200, Deduct	-1.10	
For >2,200 To 3,500, Deduct	-1.42	
For >3,500, Deduct	-1.75	
09 68 16 00-0026 SY 0.250" Thick, 80 OZ/SY Flat Sponge Rubber Carpet Padding.....	13.57	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.19	
For >400 To 600, Deduct	-0.29	
For >600 To 900, Deduct	-0.54	
For >900 To 1,500, Deduct	-0.79	
For >1,500 To 2,200, Deduct	-1.16	
For >2,200 To 3,500, Deduct	-1.50	
For >3,500, Deduct	-1.84	
09 68 16 00-0027 SY 0.250" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding.....	15.58	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.23	
For >400 To 600, Deduct	-0.35	
For >600 To 900, Deduct	-0.64	
For >900 To 1,500, Deduct	-0.94	
For >1,500 To 2,200, Deduct	-1.36	
For >2,200 To 3,500, Deduct	-1.75	
For >3,500, Deduct	-2.14	



<b>Finishes</b>	<b>09</b>	<b>CSU</b>
Flooring	09 60	
Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0028 SY 0.370" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding .....	15.75	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.24	
For >400 To 600, Deduct	-0.36	
For >600 To 900, Deduct	-0.65	
For >900 To 1,500, Deduct	-0.95	
For >1,500 To 2,200, Deduct	-1.38	
For >2,200 To 3,500, Deduct	-1.77	
For >3,500, Deduct	-2.17	
<b>09 68 16 00-0029 Synthetic Fiber Carpet Padding (09 68 16 00-0002)</b>		
09 68 16 00-0030 SY 0.235" Thick, 20 OZ/SY Synthetic Fiber Carpet Padding.....	5.58	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.03	
For >400 To 600, Deduct	-0.05	
For >600 To 900, Deduct	-0.14	
For >900 To 1,500, Deduct	-0.24	
For >1,500 To 2,200, Deduct	-0.36	
For >2,200 To 3,500, Deduct	-0.50	
For >3,500, Deduct	-0.64	
09 68 16 00-0031 SY 0.235" Thick, 24 OZ/SY Synthetic Fiber Carpet Padding.....	6.91	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.06	
For >400 To 600, Deduct	-0.09	
For >600 To 900, Deduct	-0.21	
For >900 To 1,500, Deduct	-0.33	
For >1,500 To 2,200, Deduct	-0.50	
For >2,200 To 3,500, Deduct	-0.67	
For >3,500, Deduct	-0.84	
09 68 16 00-0032 SY 0.275" Thick, 28 OZ/SY Synthetic Fiber Carpet Padding.....	6.30	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.05	
For >400 To 600, Deduct	-0.07	
For >600 To 900, Deduct	-0.18	
For >900 To 1,500, Deduct	-0.29	
For >1,500 To 2,200, Deduct	-0.44	
For >2,200 To 3,500, Deduct	-0.59	
For >3,500, Deduct	-0.75	
09 68 16 00-0033 SY 0.300" Thick, 32 OZ/SY Synthetic Fiber Carpet Padding.....	6.53	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.05	
For >400 To 600, Deduct	-0.08	
For >600 To 900, Deduct	-0.19	
For >900 To 1,500, Deduct	-0.30	
For >1,500 To 2,200, Deduct	-0.46	
For >2,200 To 3,500, Deduct	-0.62	
For >3,500, Deduct	-0.79	
09 68 16 00-0034 SY 0.350" Thick, 40 OZ/SY Synthetic Fiber Carpet Padding.....	7.90	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.08	
For >400 To 600, Deduct	-0.12	
For >600 To 900, Deduct	-0.26	
For >900 To 1,500, Deduct	-0.40	
For >1,500 To 2,200, Deduct	-0.60	
For >2,200 To 3,500, Deduct	-0.79	
For >3,500, Deduct	-0.99	
<b>09 68 16 00-0035 Double Stick Synthetic Fiber Carpet Padding (09 68 16 00-0002)</b>		
09 68 16 00-0036 SY 0.300" Thick, 32 OZ/SY Double Stick Synthetic Fiber Carpet Padding.....	8.31	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.09	
For >400 To 600, Deduct	-0.13	
For >600 To 900, Deduct	-0.28	
For >900 To 1,500, Deduct	-0.43	
For >1,500 To 2,200, Deduct	-0.64	
For >2,200 To 3,500, Deduct	-0.84	
For >3,500, Deduct	-1.05	
09 68 16 00-0037 SY 0.375" Thick, 40 OZ/SY Double Stick Synthetic Fiber Carpet Padding.....	9.38	2.56
For Up To 15, Add	0.78	
For >15 To 33, Add	0.39	
For >200 To 400, Deduct	-0.11	
For >400 To 600, Deduct	-0.16	
For >600 To 900, Deduct	-0.33	
For >900 To 1,500, Deduct	-0.50	
For >1,500 To 2,200, Deduct	-0.74	
For >2,200 To 3,500, Deduct	-0.98	
For >3,500, Deduct	-1.21	

**09 Finishes****09 60 Flooring****09 68 Carpeting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

09 68 16 00-0038	Residential Broadloom Carpet <sup>(09 68 16)</sup>		
	Note: Includes tacks. See CSI section 09 68 16 00-0001 for padding.		
09 68 16 00-0039	SY 25 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	36.19	6.84
	For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.03	
	For Up To 15, Add	3.51	
	For >15 To 33, Add	1.75	
	For >200 To 400, Deduct	-0.37	
	For >400 To 600, Deduct	-0.56	
	For >600 To 900, Deduct	-1.20	
	For >900, Deduct	-1.83	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0040	SY 30 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	40.59	6.84
	For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.03	
	For Up To 15, Add	3.51	
	For >15 To 33, Add	1.75	
	For >200 To 400, Deduct	-0.46	
	For >400 To 600, Deduct	-0.69	
	For >600 To 900, Deduct	-1.42	
	For >900, Deduct	-2.14	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0041	SY 32 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	46.62	6.84
	For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.03	
	For Up To 15, Add	3.51	
	For >15 To 33, Add	1.75	
	For >200 To 400, Deduct	-0.58	
	For >400 To 600, Deduct	-0.87	
	For >600 To 900, Deduct	-1.72	
	For >900, Deduct	-2.56	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0042	SY 34 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	52.94	6.84
	For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.03	
	For Up To 15, Add	3.51	
	For >15 To 33, Add	1.75	
	For >200 To 400, Deduct	-0.71	
	For >400 To 600, Deduct	-1.06	
	For >600 To 900, Deduct	-2.03	
	For >900, Deduct	-3.00	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0043	SY 40 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	54.03	6.84
	For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.03	
	For Up To 15, Add	3.51	
	For >15 To 33, Add	1.75	
	For >200 To 400, Deduct	-0.73	
	For >400 To 600, Deduct	-1.10	
	For >600 To 900, Deduct	-2.09	
	For >900, Deduct	-3.08	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0044	SY 45 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	55.80	7.52
	For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.21	
	For Up To 15, Add	3.74	
	For >15 To 33, Add	1.87	
	For >200 To 400, Deduct	-0.74	
	For >400 To 600, Deduct	-1.11	
	For >600 To 900, Deduct	-2.14	
	For >900, Deduct	-3.16	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0045	SY 48 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	57.68	7.52
	For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.21	
	For Up To 15, Add	3.74	
	For >15 To 33, Add	1.87	
	For >200 To 400, Deduct	-0.78	
	For >400 To 600, Deduct	-1.17	
	For >600 To 900, Deduct	-2.23	
	For >900, Deduct	-3.29	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0046	SY 50 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	62.35	7.52
	For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.21	
	For Up To 15, Add	3.74	
	For >15 To 33, Add	1.87	
	For >200 To 400, Deduct	-0.87	
	For >400 To 600, Deduct	-1.31	
	For >600 To 900, Deduct	-2.46	
	For >900, Deduct	-3.62	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0047	SY 60 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	62.90	7.52
	For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.21	
	For Up To 15, Add	3.74	
	For >15 To 33, Add	1.87	
	For >200 To 400, Deduct	-0.88	
	For >400 To 600, Deduct	-1.33	
	For >600 To 900, Deduct	-2.49	
	For >900, Deduct	-3.65	
	For Installation On Stairs, Each Riser, Add	6.00	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0048 SY 65 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	65.10	7.52
For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.21	
For Up To 15, Add	3.74	
For >15 To 33, Add	1.87	
For >200 To 400, Deduct	-0.93	
For >400 To 600, Deduct	-1.39	
For >600 To 900, Deduct	-2.60	
For >900, Deduct	-3.81	
For Installation On Stairs, Each Riser, Add	6.00	
 09 68 16 00-0049 Commercial Broadloom Carpet <sup>(09 68 16)</sup>		
Note: Level-loop pile or textured-loop pile broadloom carpet.		
 09 68 16 00-0050 Non-Patterned Broadloom Carpet <sup>(09 68 16 00-0049)</sup>		
09 68 16 00-0051 SY 22 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	46.74	22.85
For Up To 15, Add	3.05	
For >15 To 33, Add	1.52	
For >200 To 400, Deduct	-0.63	
For >400 To 600, Deduct	-0.95	
For >600 To 900, Deduct	-1.80	
For >900, Deduct	-2.66	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0052 SY 24 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	46.74	22.85
For Up To 15, Add	3.05	
For >15 To 33, Add	1.52	
For >200 To 400, Deduct	-0.63	
For >400 To 600, Deduct	-0.95	
For >600 To 900, Deduct	-1.80	
For >900, Deduct	-2.66	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0053 SY 26 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	46.74	22.85
For Up To 15, Add	3.05	
For >15 To 33, Add	1.52	
For >200 To 400, Deduct	-0.63	
For >400 To 600, Deduct	-0.95	
For >600 To 900, Deduct	-1.80	
For >900, Deduct	-2.66	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0054 SY 28 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	50.67	24.76
For Up To 15, Add	3.30	
For >15 To 33, Add	1.65	
For >200 To 400, Deduct	-0.68	
For >400 To 600, Deduct	-1.03	
For >600 To 900, Deduct	-1.96	
For >900, Deduct	-2.89	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0055 SY 30 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	51.63	24.76
For Up To 15, Add	3.30	
For >15 To 33, Add	1.65	
For >200 To 400, Deduct	-0.70	
For >400 To 600, Deduct	-1.05	
For >600 To 900, Deduct	-2.00	
For >900, Deduct	-2.95	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0056 SY 32 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	51.80	24.76
For Up To 15, Add	3.30	
For >15 To 33, Add	1.65	
For >200 To 400, Deduct	-0.71	
For >400 To 600, Deduct	-1.06	
For >600 To 900, Deduct	-2.01	
For >900, Deduct	-2.97	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0057 SY 34 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	56.91	26.65
For Up To 15, Add	3.55	
For >15 To 33, Add	1.78	
For >200 To 400, Deduct	-0.78	
For >400 To 600, Deduct	-1.17	
For >600 To 900, Deduct	-2.22	
For >900, Deduct	-3.27	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	

09	<b>09 Finishes</b>
	<b>09 60 Flooring</b>
	<b>09 68 Carpeting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0058 SY 36 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet .....	57.61	26.65
For Up To 15, Add	3.55	
For >15 To 33, Add	1.78	
For >200 To 400, Deduct	-0.80	
For >400 To 600, Deduct	-1.20	
For >600 To 900, Deduct	-2.26	
For >900, Deduct	-3.32	
For Cut Pile Carpet, Add	1.50	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0059 SY 38 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet .....	58.46	26.65
For Up To 15, Add	3.55	
For >15 To 33, Add	1.78	
For >200 To 400, Deduct	-0.81	
For >400 To 600, Deduct	-1.22	
For >600 To 900, Deduct	-2.30	
For >900, Deduct	-3.38	
For Cut Pile Carpet, Add	1.50	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
<b>09 68 16 00-0060      Patterned Broadloom Carpet</b> <small>(09 68 16 00-0049)</small>		
Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.		
09 68 16 00-0061 SY 22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet .....	48.74	22.85
For Up To 15, Add	3.35	
For >15 To 33, Add	1.68	
For >200 To 400, Deduct	-0.64	
For >400 To 600, Deduct	-0.96	
For >600 To 900, Deduct	-1.85	
For >900, Deduct	-2.74	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0062 SY 24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet .....	48.74	22.85
For Up To 15, Add	3.35	
For >15 To 33, Add	1.68	
For >200 To 400, Deduct	-0.64	
For >400 To 600, Deduct	-0.96	
For >600 To 900, Deduct	-1.85	
For >900, Deduct	-2.74	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0063 SY 26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet .....	48.74	22.85
For Up To 15, Add	3.35	
For >15 To 33, Add	1.68	
For >200 To 400, Deduct	-0.64	
For >400 To 600, Deduct	-0.96	
For >600 To 900, Deduct	-1.85	
For >900, Deduct	-2.74	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0064 SY 28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet .....	52.83	24.76
For Up To 15, Add	3.63	
For >15 To 33, Add	1.82	
For >200 To 400, Deduct	-0.69	
For >400 To 600, Deduct	-1.04	
For >600 To 900, Deduct	-2.01	
For >900, Deduct	-2.97	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0065 SY 30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet .....	53.81	24.76
For Up To 15, Add	3.63	
For >15 To 33, Add	1.82	
For >200 To 400, Deduct	-0.71	
For >400 To 600, Deduct	-1.07	
For >600 To 900, Deduct	-2.06	
For >900, Deduct	-3.04	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0066 SY 32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet .....	53.98	24.76
For Up To 15, Add	3.63	
For >15 To 33, Add	1.82	
For >200 To 400, Deduct	-0.72	
For >400 To 600, Deduct	-1.07	
For >600 To 900, Deduct	-2.06	
For >900, Deduct	-3.05	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	





<b>Finishes</b>	<b>09</b>	
Flooring	09 60	09
Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0067 SY 34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	59.28	26.65
For Up To 15, Add	3.91	
For >15 To 33, Add	1.96	
For >200 To 400, Deduct	-0.79	
For >400 To 600, Deduct	-1.19	
For >600 To 900, Deduct	-2.28	
For >900, Deduct	-3.37	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0068 SY 36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	59.99	26.65
For Up To 15, Add	3.91	
For >15 To 33, Add	1.96	
For >200 To 400, Deduct	-0.81	
For >400 To 600, Deduct	-1.21	
For >600 To 900, Deduct	-2.32	
For >900, Deduct	-3.42	
For Cut Pile Carpet, Add	1.50	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0069 SY 38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	60.85	26.65
For Up To 15, Add	3.91	
For >15 To 33, Add	1.96	
For >200 To 400, Deduct	-0.83	
For >400 To 600, Deduct	-1.24	
For >600 To 900, Deduct	-2.36	
For >900, Deduct	-3.48	
For Cut Pile Carpet, Add	1.50	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
<b>09 68 16 00-0070 Indoor/Outdoor Carpet (09 68 16)</b>		
Note: Includes waterproof glue.		
09 68 16 00-0071 SY Nylon Indoor/Outdoor Carpet.....	48.65	5.12
09 68 16 00-0072 SY Ozite Indoor/Outdoor Carpet.....	39.21	5.12
<b>09 68 16 00-0073 Carpet Accessories (09 68 16)</b>		
09 68 16 00-0074 LF Metal Carpet Saddle Strip, Up To 4" Wide.....	7.22	0.79
<b>09 68 16 00-0075 Removal And Reinstallation Of Carpet And Pad (09 68 16)</b>		
Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0076 SY Removal And Reinstallation Of Carpet And Pad.....	32.17	
<b>09 68 16 00-0077 Carpeting Support Functions (09 68 16)</b>		
<b>09 68 16 00-0078 Relocate Partitions, Modular Work Stations (09 68 16 00-0077)</b>		
Note: Includes disassembly and reassembly of work station. Excludes electrical disconnection or reconnection.		
09 68 16 00-0079 EA Relocate Modular Work Station .....	277.71	
<b>09 68 16 00-0080 Installation Of Owner Provided Broadloom Carpet (09 68 16)</b>		
09 68 16 00-0081 SY Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet.....	13.64	
Note: Includes adhesive for glue-down or tack strip for padded installations.		
For Up To 15, Add	2.65	
For >15 To 33, Add	1.33	
09 68 16 00-0082 SY >24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet .....	15.85	
Note: Includes adhesive for glue-down or tack strip for padded installations.		
For Up To 15, Add	3.09	
For >15 To 33, Add	1.55	
09 68 16 00-0083 SY >34 Oz, Installation Of Owner Provided Broadloom Carpet.....	18.94	
Note: Includes adhesive for glue-down or tack strip for padded installations.		
For Up To 15, Add	3.71	
For >15 To 33, Add	1.86	
<b>09 69 Access Flooring (09 60)</b>		
<b>09 69 13 Rigid-Grid Access Flooring (09 69)</b>		
<b>09 69 13 00-0001 Panels, No Covering (09 69 13)</b>		
09 69 13 00-0002 SF 2' x 2' Panels - No Covering Access And Pedestal Floors.....	17.26	0.79
For Carpet Covering, Add	2.77	
For Vinyl Floor Covering, Add	1.91	
<b>09 69 13 00-0003 Pedestals (09 69 13)</b>		
09 69 13 00-0004 EA 2-1/2" To 4" Finished Floor Height, Pedestal Assembly.....	27.89	3.97
09 69 13 00-0005 EA 6" To 12" Finished Floor Height, Pedestal Assembly.....	35.26	3.97

<b>09</b>	<b>09 Finishes</b>
	<b>09 60 Flooring</b>
	<b>09 69 Access Flooring</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 69 13 00-0006 EA 30" To 36" Finished Floor Height, Pedestal Assembly.....	42.30	3.97
<b>09 69 13 00-0007 Stringers</b> <small>(09 69 13)</small>		
09 69 13 00-0008 EA 2' Bolted Stringers, Access And Pedestal Floors.....	17.11	4.76
09 69 13 00-0009 EA 6' Bolted Stringers, Access And Pedestal Floors.....	47.65	11.90
<b>09 69 13 00-0010 Understructure</b> <small>(09 69 13)</small>		
09 69 13 00-0011 SF Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height.....	7.84	1.19
<b>09 69 53 Access Flooring Accessories</b> <small>(09 69)</small>		
<b>09 69 53 00-0001 Accessories</b> <small>(09 69 53)</small>		
09 69 53 00-0002 EA 54" x 35" Ramp Assembly.....	441.29	
09 69 53 00-0003 LF 36" Handrail.....	42.43	
09 69 53 00-0004 LF 60" Handrail.....	61.55	5.55
09 69 53 00-0005 LF Accessories, Fascia Plate Access And Pedestal Floors.....	23.34	5.55
09 69 53 00-0006 EA Machine Cutouts.....	190.39	
09 69 53 00-0007 SF Hammered Aluminum Finish Fascia.....	43.65	2.62
<small>Note: Includes trim angles and hardware (8", 12", 18", 24").</small>		
09 69 53 00-0008 EA Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material.....	41.64	
09 69 53 00-0009 EA Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003).....	41.64	
09 69 53 00-0010 EA Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4.....	196.39	9.92
09 69 53 00-0011 EA Flush Mounted Telephone Box (Grey/Black/Communications).....	135.66	9.92
<small>Note: Includes cut hole.</small>		
09 69 53 00-0012 EA Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4.....	196.39	9.92
09 69 53 00-0013 EA Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2.....	103.92	1.59
<b>09 69 53 00-0014 Final Cleaning For Computer Room Raised Floor System</b> <small>(09 69 53)</small>		
<small>Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.</small>		
09 69 53 00-0015 SF Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor.....	2.85	
09 69 53 00-0016 SF Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath.....	2.97	
09 69 53 00-0017 SF Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor.....	2.93	
<b>09 70 Wall Finishes</b> <small>(09)</small>		
<b>09 72 Wall Coverings</b> <small>(09 70)</small>		
<b>09 72 13 Cork Wall Coverings</b> <small>(09 72)</small>		
<b>09 72 13 00-0001 Cork Wall Covering</b> <small>(09 72 13)</small>		
09 72 13 00-0002 SF 1/8" Cork Wall Covering.....	4.45	0.76
09 72 13 00-0003 SF 1/4" Cork Wall Covering.....	5.52	0.76
09 72 13 00-0004 SF 1/2" Cork Wall Covering.....	6.38	0.76
09 72 13 00-0005 SF 3/4" Cork Wall Covering.....	8.87	0.76
<b>09 72 16 Vinyl-Coated Fabric Wall Coverings</b> <small>(09 72)</small>		
<b>09 72 16 13 Flexible Vinyl Wall Coverings</b> <small>(09 72 16)</small>		
<b>09 72 16 13-0001 Vinyl Wall Coverings</b> <small>(09 72 16 13)</small>		
<small>Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.</small>		
09 72 16 13-0002 SF 7-10 Oz/SY Vinyl Wall Covering.....	2.89	0.76
<small>For Owner Furnished Material, Deduct</small>		
	-1.70	
09 72 16 13-0003 SF 11-14 Oz/SY Vinyl Wall Covering.....	3.74	0.76
<small>For Owner Furnished Material, Deduct</small>		
	-2.48	
09 72 16 13-0004 SF 15-19 Oz/SY Vinyl Wall Covering.....	4.37	0.76
<small>For Owner Furnished Material, Deduct</small>		
	-3.11	
09 72 16 13-0005 SF 20 To 25 Ounces/SY Vinyl Wall Covering.....	5.17	0.76
<small>For Owner Furnished Material, Deduct</small>		
	-3.58	
09 72 16 13-0006 SF 26-32 Oz/SY Vinyl Wall Covering.....	6.02	0.76
<small>For Owner Furnished Material, Deduct</small>		
	-4.36	
09 72 16 13-0007 SF 33-38 Oz/SY Vinyl Wall Covering.....	7.24	0.76
<small>For Owner Furnished Material, Deduct</small>		
	-5.51	
<b>09 72 23 Wallpapering</b> <small>(09 72)</small>		
<b>09 72 23 00-0001 Wallpaper Coverings</b> <small>(09 72 23)</small>		
<small>Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.</small>		
09 72 23 00-0002 SF Average Quality Wallpaper (Standard Grade).....	2.14	1.01
09 72 23 00-0003 SF High Quality Wallpaper (Designer Grade).....	3.61	1.29
09 72 23 00-0004 SF Textured Paintable Paper Installed On Ceiling.....	2.96	1.91



<b>Finishes</b>		<b>09</b>
Wall Finishes		09 70
Wall Carpeting		09 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 73 Wall Carpeting (09 70)

09 73 00 00-0001 Carpet Wall Covering (09 73)

09 73 00 00-0002	SY	28 Ounce, Nylon Carpet Wall Covering	47.26	25.37
09 73 00 00-0003	SY	32 Ounce, Nylon Carpet Wall Covering	48.44	25.37
09 73 00 00-0004	SY	34 Ounce, Nylon Carpet Wall Covering	52.39	27.33
09 73 00 00-0005	SY	35 Ounce, Nylon Carpet Wall Covering	55.43	27.33
09 73 00 00-0006	SY	36 Ounce, Nylon Carpet Wall Covering	58.57	27.33
09 73 00 00-0007	SY	38 Ounce, Nylon Carpet Wall Covering	59.99	27.33
09 73 00 00-0008	SY	40 Ounce, Nylon Carpet Wall Covering	62.48	29.51
09 73 00 00-0009	SY	42 Ounce, Nylon Carpet Wall Covering	65.20	29.51

09 74 Flexible Wood Sheets (09 70)

09 74 16 Flexible Wood Veneers (09 74)

09 74 16 00-0001 Flexible Wood Veneer (09 74 16)

09 74 16 00-0002	SF	1/32" Thick, Flexible Maple Wood Veneer	9.45	3.05
09 74 16 00-0003	SF	1/32" Thick, Flexible Oak Wood Veneer	9.67	3.05
09 74 16 00-0004	SF	1/32" Thick, Flexible Mahogany Wood Veneer	9.67	3.05
09 74 16 00-0005	SF	1/32" Thick, Flexible Birch Wood Veneer	9.88	3.05
09 74 16 00-0006	SF	1/32" Thick, Flexible Walnut Wood Veneer	10.94	3.05
09 74 16 00-0007	SF	1/32" Thick, Flexible Bamboo Wood Veneer	12.21	3.05
09 74 16 00-0008	SF	1/32" Thick, Flexible Fir Wood Veneer	13.69	3.05

09 74 16 00-0009 Flexible Exotic Wood Veneer (09 74 16)

09 74 16 00-0010	SF	1/32" Thick, Flexible Exotic Wood Veneer	17.35	3.05
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09 77 Special Wall Surfacing (09 70)

09 77 11 Special Wall Panels (09 77)

09 77 11 00-0001 Sanitary Wall Panels (09 77 11)

09 77 11 00-0002	SF	0.09" Thick Fire-X Glassboard With Surfseal	6.62	1.36
		Note: Attached with adhesive.		
		For Mechanical Fastening, Add	0.87	
09 77 11 00-0003	SF	0.12" Thick Fire-X Glassboard With Surfseal	7.70	1.63
		Note: Attached with adhesive.		
		For Mechanical Fastening, Add	1.05	

09 80 Acoustic Treatment (09)

09 81 Acoustic Insulation (09 80)

09 81 16 Acoustic Blanket Insulation (09 81)

09 81 16 00-0001 Sound Attenuation Fire Blankets (SAFB) (09 81 16)

09 81 16 00-0002 2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) (09 81 16 00-0001)

09 81 16 00-0003	SF	1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.92	0.32
09 81 16 00-0004	SF	2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.07	0.32
09 81 16 00-0005	SF	2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.29	0.32
09 81 16 00-0006	SF	3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.46	0.32
09 81 16 00-0007	SF	3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.68	0.32
09 81 16 00-0008	SF	4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.89	0.32
09 81 16 00-0009	SF	5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.17	0.32
09 81 16 00-0010	SF	6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.49	0.32

09 81 16 00-0011 4 PCF Density, Sound Attenuation Fire Blankets (SAFB) (09 81 16 00-0001)

09 81 16 00-0012	SF	1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.87	0.32
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09 81 16 00-0013 Sound Attenuation Batts (09 81 16)

Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.

09 81 16 00-0014	SF	2-1/2" Thick, Unfaced Sound Attenuation Batt	1.19	0.43
09 81 16 00-0015	SF	3-1/2" Thick, Unfaced Sound Attenuation Batt	1.28	0.43
09 81 16 00-0016	SF	3-1/2" Thick, Kraft Faced Sound Attenuation Batt	1.34	0.43
09 81 16 00-0017	SF	5-1/2" Thick, Unfaced Sound Attenuation Batt	1.50	0.43
09 81 16 00-0018	SF	5-1/2" Thick, Kraft Faced Sound Attenuation Batt	1.55	0.43
09 81 16 00-0019	SF	6-1/4" Thick, Unfaced Sound Attenuation Batt	1.53	0.43
09 81 16 00-0020	SF	6-1/4" Thick, Kraft Faced Sound Attenuation Batt	1.59	0.43

09 84 Acoustic Room Components (09 80)

<b>09</b>	<b>09 Finishes</b>
	<b>09 80 Acoustic Treatment</b>
	<b>09 84 Acoustic Room Components</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**09 84 13 Fixed Sound-Absorptive Panels** (09 84)

<b>09 84 13 00-0001</b>	<b>Sound Absorbing Panels And Attenuation Blankets</b> <small>(09 84 13)</small>		
	Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system.		
09 84 13 00-0002	SF 3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler .....	10.83	2.17
09 84 13 00-0003	SF 1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls.....	15.86	2.17

<b>09 84 13 00-0004</b>	<b>Sound Absorbing Acoustical Wall Panel System</b> <small>(09 84 13)</small>		
	See CSI section 06 11 16 00-0211 for wood furring.		

<b>09 84 13 00-0005</b>	<b>Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®)</b> <small>(09 84 13 00-0004)</small>		
	Note: Includes tackable surface, molding and mounting hardware for flush mount.		
09 84 13 00-0006	SF 5/8" Panel Thickness, Vinyl Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Signature Vinyl) .....	14.01	2.45
09 84 13 00-0007	SF 3/4" Panel Thickness, Composed Fabric Surface (Non-Woven), Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Rhythms®) .....	12.94	2.45
09 84 13 00-0008	SF 3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 FR-701).....	16.33	2.45
09 84 13 00-0009	SF 3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Lido™) .....	16.36	2.45
09 84 13 00-0010	SF 3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Spinel™) .....	18.08	2.45
09 84 13 00-0011	SF 3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Zirconia™) .....	18.08	2.45

<b>09 84 13 00-0012</b>	<b>Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®)</b> <small>(09 84 13 00-0004)</small>		
	Note: Includes molding and mounting hardware for flush mount.		
09 84 13 00-0013	SF 1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®).....	16.38	2.45
09 84 13 00-0014	SF 1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701).....	19.18	2.45
09 84 13 00-0015	SF 1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™) .....	19.18	2.45
09 84 13 00-0016	SF 1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™) .....	21.98	2.45
09 84 13 00-0017	SF 1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™) .....	21.98	2.45

<b>09 84 13 00-0018</b>	<b>Fabritec Acoustical Wall Panels (Guilford)</b> <small>(09 84 13 00-0004)</small>		
09 84 13 00-0019	EA 24" x 48" x 1-1/2" Thick Fabritec Acoustical Wall Panels.....	255.51	27.23
	Note: Guilford FR701.		

<b>09 84 13 00-0020</b>	<b>Sound Absorbing Panel, Eggcrate Style</b> <small>(09 84 13)</small>		
	Note: Ceiling or wall hung back.		
09 84 13 00-0021	SF 2" Thick Polyurethane Sound Wave (Eggcrate Style).....	10.13	
	For Pyramid Style, Add	1.18	
09 84 13 00-0022	SF 3" Thick Polyurethane Sound Wave (Eggcrate Style).....	13.22	
	For Pyramid Style, Add	1.18	
09 84 13 00-0023	SF 4" Thick Polyurethane Sound Wave (Eggcrate Style).....	17.06	
	For Pyramid Style, Add	1.18	
09 84 13 00-0024	SF 2" Thick Melamine Sound Wave (Eggcrate Style) .....	12.89	
	For Eggcrate Style With Hypalon Coating, Add	1.97	
	For Pyramid Style, Add	2.05	
	For Pyramid Style With Hypalon Coating, Add	4.02	
09 84 13 00-0025	SF 3" Thick Melamine Sound Wave (Eggcrate Style) .....	30.92	
	For Eggcrate Style With Hypalon Coating, Add	1.97	
	For Pyramid Style, Add	0.42	
	For Pyramid Style With Hypalon Coating, Add	2.40	
09 84 13 00-0026	SF 4" Thick Melamine Sound Wave (Eggcrate Style) .....	39.84	
	For Eggcrate Style With Hypalon Coating, Add	1.97	
	For Pyramid Style, Add	0.42	
	For Pyramid Style With Hypalon Coating, Add	2.40	

<b>09 84 13 00-0027</b>	<b>Sound Deadening Fiberboard</b> <small>(09 84 13)</small>		
09 84 13 00-0028	SF 1/2" Sound Deadening Fiberboard.....	1.67	0.54
	For Horizontal Installation Up To 10' High, Add	0.34	
	For Horizontal Installation >10' High, Add	0.50	
	For Walls >10' High, Add	0.08	
	For Up To 128, Add	0.53	
	For >128 To 320, Add	0.32	

**09 90 Painting and Coating** (09)

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk,



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0001 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required, 09 29 10 00-0037 for finishing existing wall surfaces or small holes not requiring patching in excess of items included above.

**09 91 Painting** (09 90)

**09 91 13 Exterior Painting** (09 91)

Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

**09 91 13 00-0001 Paint Exterior Walls/Siding** (09 91 13)

**09 91 13 00-0002 Paint Exterior Brick Walls** (09 91 13 00-0001)

09 91 13 00-0003	SF 1 Coat Filler, Brush Work, Paint Exterior Brick Walls.....	0.89	
	<i>For Oil Based Paint, Add</i>	0.06	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.17	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.27	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	0.37	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.54	
	<i>For &gt;100 To 250, Add</i>	0.26	
	<i>For &gt;250 To 500, Add</i>	0.11	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
	<i>For &gt;20,000, Deduct</i>	-0.18	
09 91 13 00-0004	SF 1 Coat Paint, Brush Work, Paint Exterior Brick Walls .....	1.25	
	<i>For Oil Based Paint, Add</i>	0.07	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.15	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.25	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.40	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	0.56	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.79	
	<i>For &gt;100 To 250, Add</i>	0.38	
	<i>For &gt;250 To 500, Add</i>	0.16	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.19	
	<i>For &gt;20,000, Deduct</i>	-0.25	
09 91 13 00-0005	SF 2 Coats Paint, Brush Work, Paint Exterior Brick Walls .....	1.83	
	<i>For Oil Based Paint, Add</i>	0.12	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.20	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.34	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.54	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	0.74	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	1.08	
	<i>For &gt;100 To 250, Add</i>	0.52	
	<i>For &gt;250 To 500, Add</i>	0.23	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.18	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.27	
	<i>For &gt;20,000, Deduct</i>	-0.37	
09 91 13 00-0006	SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls .....	0.62	
	<i>For Oil Based Paint, Add</i>	0.04	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.06	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.10	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.16	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	0.23	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.34	
	<i>For &gt;100 To 250, Add</i>	0.16	
	<i>For &gt;250 To 500, Add</i>	0.07	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09	
	<i>For &gt;20,000, Deduct</i>	-0.12	

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0007	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls.....	1.00	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.28	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.56	
			<i>For &gt;100 To 250, Add</i>	0.27	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
			<i>For &gt;20,000, Deduct</i>	-0.20	
09 91 13 00-0008	SF	2	Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls.....	1.50	
			<i>For Oil Based Paint, Add</i>	0.10	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.52	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.80	
			<i>For &gt;100 To 250, Add</i>	0.39	
			<i>For &gt;250 To 500, Add</i>	0.17	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.23	
			<i>For &gt;20,000, Deduct</i>	-0.30	
09 91 13 00-0009	SF	1	Coat Filler, Sprayed, Paint Exterior Brick Walls.....	0.60	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.05	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.31	
			<i>For &gt;100 To 250, Add</i>	0.15	
			<i>For &gt;250 To 500, Add</i>	0.07	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09	
			<i>For &gt;20,000, Deduct</i>	-0.12	
09 91 13 00-0010	SF	1	Coat Paint, Sprayed, Paint Exterior Brick Walls.....	0.63	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.04	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.27	
			<i>For &gt;100 To 250, Add</i>	0.14	
			<i>For &gt;250 To 500, Add</i>	0.06	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09	
			<i>For &gt;20,000, Deduct</i>	-0.13	
09 91 13 00-0011	SF	2	Coats Paint, Sprayed, Paint Exterior Brick Walls.....	1.31	
			<i>For Oil Based Paint, Add</i>	0.09	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.40	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.63	
			<i>For &gt;100 To 250, Add</i>	0.31	
			<i>For &gt;250 To 500, Add</i>	0.14	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.20	
			<i>For &gt;20,000, Deduct</i>	-0.26	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0012 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Brick Walls.....	0.20	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.09	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.13	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	
<b>09 91 13 00-0013 Paint Exterior Concrete Walls (09 91 13 00-0001)</b>		
09 91 13 00-0014 SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Walls.....	0.75	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0015 SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Walls.....	0.80	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0016 SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Walls.....	1.51	
For Oil Based Paint, Add	0.09	
For Epoxy Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.31	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.50	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.68	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.97	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0017 SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls.....	0.61	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.24	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0018 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls.....	0.68	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 13 00-0019 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls.....	1.15	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.70	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 13 00-0020 SF 1 Coat Filler, Sprayed, Paint Exterior Concrete Walls.....	0.54	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.08	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.13	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.18	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.28	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	





<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0021 SF 1 Coat Paint, Sprayed, Paint Exterior Concrete Walls.....	0.49	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.08	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.13	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.18	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 13 00-0022 SF 2 Coats Paint, Sprayed, Paint Exterior Concrete Walls .....	0.85	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.28	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0023 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Walls .....	0.13	
For Oil Based Paint, Add	0.01	
For Epoxy Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.03	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.04	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.06	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.09	
For >100 To 250, Add	0.04	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
09 91 13 00-0024 Paint Exterior Concrete Block Walls <small>(09 91 13 00-0001)</small>		
09 91 13 00-0025 Paint Exterior Concrete Block Walls, Epoxy Paint <small>(09 91 13 00-0024)</small>		
09 91 13 00-0026 LF 1 Coat Epoxy Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls.....	0.19	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.08	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.11	
For >100 To 250, Add	0.05	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0027 SF 1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls.....	1.06	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.61	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0028 SF 1 Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls .....	1.21	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.36	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.50	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.72	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0029 SF 2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls .....	2.12	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.38	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.60	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.83	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.22	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.42	
09 91 13 00-0030 SF 1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls .....	0.88	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 13 00-0031 SF 1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls .....	0.97	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	



<b>Finishes</b>	<b>09</b>	<b>2</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0032 SF 2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.74	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.28	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.45	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.62	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.93	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.35	
09 91 13 00-0033 SF 1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls.....	0.74	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.14	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.20	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0034 SF 1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls .....	0.81	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.17	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.24	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0035 SF 2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls.....	1.56	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.70	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
<b>09 91 13 00-0036 Paint Exterior Concrete Block Walls, Acrylic Latex Paint (09 91 13 00-0024)</b>		
09 91 13 00-0037 SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls .....	0.96	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 13 00-0038	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls .....	1.13	
		<i>For Oil Based Paint, Add</i>	0.07	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.22	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.34	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.47	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.69	
		<i>For &gt;100 To 250, Add</i>	0.33	
		<i>For &gt;250 To 500, Add</i>	0.14	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.17	
		<i>For &gt;20,000, Deduct</i>	-0.23	
09 91 13 00-0039	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls .....	2.10	
		<i>For Oil Based Paint, Add</i>	0.13	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.23	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.39	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.62	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.85	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	1.25	
		<i>For &gt;100 To 250, Add</i>	0.60	
		<i>For &gt;250 To 500, Add</i>	0.26	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.11	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.21	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.32	
		<i>For &gt;20,000, Deduct</i>	-0.42	
09 91 13 00-0040	SF	1 Coat Texture Paint, Brush Work, Paint Exterior Concrete Block Walls .....	1.28	
		<i>For Oil Based Paint, Add</i>	0.08	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.15	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.24	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.39	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.53	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.77	
		<i>For &gt;100 To 250, Add</i>	0.37	
		<i>For &gt;250 To 500, Add</i>	0.16	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.19	
		<i>For &gt;20,000, Deduct</i>	-0.26	
09 91 13 00-0041	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls .....	0.77	
		<i>For Oil Based Paint, Add</i>	0.05	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.08	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.14	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.22	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.31	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.45	
		<i>For &gt;100 To 250, Add</i>	0.22	
		<i>For &gt;250 To 500, Add</i>	0.09	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
		<i>For &gt;20,000, Deduct</i>	-0.15	
09 91 13 00-0042	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls .....	0.97	
		<i>For Oil Based Paint, Add</i>	0.06	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.28	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.39	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.57	
		<i>For &gt;100 To 250, Add</i>	0.27	
		<i>For &gt;250 To 500, Add</i>	0.12	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
		<i>For &gt;20,000, Deduct</i>	-0.19	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0043 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.70	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.63	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.95	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.34	
09 91 13 00-0044 SF 1 Coat Texture Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.10	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.43	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.64	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0045 SF 1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls.....	0.75	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.40	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0046 SF 1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls.....	0.79	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.25	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0047 SF 2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls.....	1.21	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.44	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	

<b>09</b>	<b>09</b>	<b>Finishes</b>
	<b>09 90</b>	<b>Painting and Coating</b>
	<b>09 91</b>	<b>Painting</b>



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0048 SF 1Coat Texture Paint, Sprayed, Paint Exterior Concrete Block Walls .....	1.02	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0049 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls.....	0.19	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.08	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.11	
For >100 To 250, Add	0.05	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	
<b>09 91 13 00-0050 Paint Exterior Drywall/Plaster Walls</b> <small>(09 91 13 00-0001)</small> .....	<b>0.77</b>	
09 91 13 00-0051 SF 1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall.....	0.77	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.33	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.15	
For Epoxy Paint, Add	0.09	
09 91 13 00-0052 SF 1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls .....	0.83	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.38	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
For Epoxy Paint, Add	0.08	



		<b>Finishes</b>	<b>09</b>
		Painting and Coating	09 90
		Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0053 SF 2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls.....	1.51	
For Oil Based Paint, Add	0.09	
For Orange Peel Finish, Add	0.21	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.31	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.50	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.68	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.97	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
For Epoxy Paint, Add	0.16	
09 91 13 00-0054 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls.....	0.62	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.25	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
For Epoxy Paint, Add	0.08	
09 91 13 00-0055 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls.....	0.62	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
For Epoxy Paint, Add	0.07	
09 91 13 00-0056 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls.....	1.13	
For Oil Based Paint, Add	0.07	
For Orange Peel Finish, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
For Epoxy Paint, Add	0.14	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0057 SF 1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls .....	0.54	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.08	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.13	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.18	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.28	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
For Epoxy Paint, Add	0.09	
09 91 13 00-0058 SF 1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls .....	0.56	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.10	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.16	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.21	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
For Epoxy Paint, Add	0.08	
09 91 13 00-0059 SF 2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls .....	0.94	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.33	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
For Epoxy Paint, Add	0.15	
09 91 13 00-0060 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Walls .....	0.13	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.03	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.04	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.06	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.09	
For >100 To 250, Add	0.04	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
For Epoxy Paint, Add	0.01	

09 91 13 00-0061 Paint Exterior Metal Walls (09 91 13 00-0001)

09 91 13 00-0062 Paint Exterior Galvanized Walls (09 91 13 00-0061)  
Note: Linseed oil or acrylic latex paint.





<b>Finishes</b>	<b>09</b>	<b>CS</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0063 SF 1 Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	0.97	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 13 00-0064 SF 1 Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	1.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0065 SF 2 Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	1.96	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.74	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.10	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.39	
09 91 13 00-0066 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls.....	0.74	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.27	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0067 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls.....	0.84	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0068 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls .....	1.58	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.58	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.87	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 13 00-0069 SF 1 Coat Primer, Sprayed, Paint Exterior Galvanized Walls .....	0.65	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.08	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.12	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.17	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.28	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0070 SF 1 Coat Paint, Sprayed, Paint Exterior Galvanized Walls.....	0.83	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 13 00-0071 SF 2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls.....	1.40	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
<b>09 91 13 00-0072 Paint Exterior Aluminum And Aluminum Alloy Walls</b> (09 91 13 00-0061)		
Note: Alkyd enamel paint.		
09 91 13 00-0073 SF 1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	0.97	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	



<b>Finishes</b>	<b>09</b>	<b>CSU</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0074 SF 1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	1.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0075 SF 2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces .....	1.95	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.74	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.10	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.39	
09 91 13 00-0076 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	0.83	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 13 00-0077 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	0.93	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0078 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls .....	1.76	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.58	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.90	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.35	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0079	SF 1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls .....	0.71	
	For Work >15' To 20' Above Floor, Add	0.05	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.09	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.14	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.20	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.32	
	For >100 To 250, Add	0.16	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.14	
09 91 13 00-0080	SF 1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls.....	0.83	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.19	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.26	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.41	
	For >100 To 250, Add	0.20	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.17	
09 91 13 00-0081	SF 2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls.....	1.40	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.28	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.39	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.63	
	For >100 To 250, Add	0.32	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.28	
<b>09 91 13 00-0082</b>	<b>Paint Exterior Aluminum And Aluminum Alloy Roof Stacks (09 91 13 00-0081)</b>		
09 91 13 00-0083	LF 1 Coat Primer, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	12.33	
	For Work >15' To 20' Above Floor, Add	1.59	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	2.65	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	4.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	5.82	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	8.20	
	For >100 To 250, Add	3.88	
	For >250 To 500, Add	1.68	
	For >2,500 To 5,000, Deduct	-0.62	
	For >5,000 To 10,000, Deduct	-1.23	
	For >10,000 To 20,000, Deduct	-1.85	
	For >20,000, Deduct	-2.47	
09 91 13 00-0084	LF 1 Coat Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	13.73	
	For Work >15' To 20' Above Floor, Add	1.77	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	2.94	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	4.71	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	6.47	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	9.12	
	For >100 To 250, Add	4.32	
	For >250 To 500, Add	1.86	
	For >2,500 To 5,000, Deduct	-0.69	
	For >5,000 To 10,000, Deduct	-1.37	
	For >10,000 To 20,000, Deduct	-2.06	
	For >20,000, Deduct	-2.75	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0085 LF 2 Coats Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack .....	25.63	
For Work >15' To 20' Above Floor, Add	3.32	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	5.54	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	8.86	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	12.18	
Note: Applied only to work area above 40'.		
For Up To 100, Add	17.13	
For >100 To 250, Add	8.10	
For >250 To 500, Add	3.50	
For >2,500 To 5,000, Deduct	-1.28	
For >5,000 To 10,000, Deduct	-2.56	
For >10,000 To 20,000, Deduct	-3.84	
For >20,000, Deduct	-5.13	
<b>09 91 13 00-0086 Paint Exterior Corrugated Metal Walls (09 91 13 00-0061)</b>		
09 91 13 00-0087 SF 1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Walls.....	0.79	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.10	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.16	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.21	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0088 SF 1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Walls.....	1.03	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.21	
09 91 13 00-0089 SF 2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Walls.....	1.74	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.52	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.83	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.35	

09 91 13 00-0090 Paint Exterior Stucco Walls (09 91 13 00-0001)



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 13 00-0091	SF	1 Coat Primer, Brush Work, Paint Exterior Stucco Wall Surfaces.....	1.27
		<i>For Oil Based Paint, Add</i>	0.07
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.27
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.42
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.58
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.83
		<i>For &gt;100 To 250, Add</i>	0.39
		<i>For &gt;250 To 500, Add</i>	0.17
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.19
		<i>For &gt;20,000, Deduct</i>	-0.25
09 91 13 00-0092	SF	1 Coat Paint, Brush Work, Paint Exterior Stucco Wall Surfaces.....	1.40
		<i>For Oil Based Paint, Add</i>	0.08
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.17
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.29
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.46
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.64
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.91
		<i>For &gt;100 To 250, Add</i>	0.43
		<i>For &gt;250 To 500, Add</i>	0.19
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.14
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.21
		<i>For &gt;20,000, Deduct</i>	-0.28
09 91 13 00-0093	SF	2 Coats Paint, Brush Work, Paint Exterior Stucco Wall Surfaces.....	2.60
		<i>For Oil Based Paint, Add</i>	0.15
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.32
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.53
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.85
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	1.17
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	1.66
		<i>For &gt;100 To 250, Add</i>	0.79
		<i>For &gt;250 To 500, Add</i>	0.34
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.13
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.26
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.39
		<i>For &gt;20,000, Deduct</i>	-0.52
09 91 13 00-0094	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Stucco Walls.....	0.97
		<i>For Oil Based Paint, Add</i>	0.06
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.19
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.30
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.42
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.60
		<i>For &gt;100 To 250, Add</i>	0.29
		<i>For &gt;250 To 500, Add</i>	0.12
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15
		<i>For &gt;20,000, Deduct</i>	-0.19
09 91 13 00-0095	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Stucco Walls.....	1.10
		<i>For Oil Based Paint, Add</i>	0.07
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.22
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.34
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.47
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.68
		<i>For &gt;100 To 250, Add</i>	0.33
		<i>For &gt;250 To 500, Add</i>	0.14
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.17
		<i>For &gt;20,000, Deduct</i>	-0.22



<b>Finishes</b>	<b>09</b>	<b>CS</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0096 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Stucco Walls.....	2.03	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.39	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.62	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.85	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.23	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.41	
09 91 13 00-0097 SF 1 Coat Primer, Sprayed, Paint Exterior Stucco Walls.....	0.74	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.28	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0098 SF 1 Coat Paint, Sprayed, Paint Exterior Stucco Walls.....	0.91	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.33	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0099 SF 2 Coats Paint, Sprayed, Paint Exterior Stucco Walls.....	1.74	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.48	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.65	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.98	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.35	
09 91 13 00-0100 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Stucco Wall Surfaces.....	0.23	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.03	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.05	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.08	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.10	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.15	
For >100 To 250, Add	0.07	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.05	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0101	Paint Exterior Wood Siding <small>(09 91 13 00-0001)</small>		
09 91 13 00-0102	Paint Exterior Smooth Wood Siding <small>(09 91 13 00-0101)</small>		
	Note: Includes tongue and groove, beveled, drop or board and batten siding.		
09 91 13 00-0103	SF 1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding .....		1.08
	For Oil Based Paint, Add		0.07
	For Work >15' To 20' Above Floor, Add		0.13
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add		0.21
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add		0.34
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add		0.46
	Note: Applied only to work area above 40'.		
	For Up To 100, Add		0.67
	For >100 To 250, Add		0.32
	For >250 To 500, Add		0.14
	For >2,500 To 5,000, Deduct		-0.05
	For >5,000 To 10,000, Deduct		-0.11
	For >10,000 To 20,000, Deduct		-0.16
	For >20,000, Deduct		-0.22
09 91 13 00-0104	SF 1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding .....		1.14
	For Oil Based Paint, Add		0.07
	For Work >15' To 20' Above Floor, Add		0.14
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add		0.23
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add		0.37
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add		0.51
	Note: Applied only to work area above 40'.		
	For Up To 100, Add		0.73
	For >100 To 250, Add		0.35
	For >250 To 500, Add		0.15
	For >2,500 To 5,000, Deduct		-0.06
	For >5,000 To 10,000, Deduct		-0.11
	For >10,000 To 20,000, Deduct		-0.17
	For >20,000, Deduct		-0.23
09 91 13 00-0105	SF 2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding .....		2.03
	For Oil Based Paint, Add		0.12
	For Work >15' To 20' Above Floor, Add		0.24
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add		0.41
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add		0.65
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add		0.89
	Note: Applied only to work area above 40'.		
	For Up To 100, Add		1.28
	For >100 To 250, Add		0.61
	For >250 To 500, Add		0.26
	For >2,500 To 5,000, Deduct		-0.10
	For >5,000 To 10,000, Deduct		-0.20
	For >10,000 To 20,000, Deduct		-0.30
	For >20,000, Deduct		-0.41
09 91 13 00-0106	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding .....		0.85
	For Oil Based Paint, Add		0.06
	For Work >15' To 20' Above Floor, Add		0.09
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add		0.15
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add		0.23
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add		0.32
	Note: Applied only to work area above 40'.		
	For Up To 100, Add		0.48
	For >100 To 250, Add		0.23
	For >250 To 500, Add		0.10
	For >2,500 To 5,000, Deduct		-0.04
	For >5,000 To 10,000, Deduct		-0.09
	For >10,000 To 20,000, Deduct		-0.13
	For >20,000, Deduct		-0.17





<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0107 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	0.93	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.38	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.55	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0108 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	1.76	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.32	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.51	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.70	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.03	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.35	
09 91 13 00-0109 SF 1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding.....	0.70	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.17	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.24	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0110 SF 1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding.....	0.84	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0111 SF 2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding.....	1.36	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.71	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0112 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Siding.....	0.18	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.08	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.12	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	
<b>09 91 13 00-0113 Paint Exterior Rough Wood Siding (09 91 13 00-0101)</b>		
Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0114 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding.....	1.43	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.64	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.91	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.29	
09 91 13 00-0115 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding.....	1.43	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.31	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.49	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.67	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.95	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.29	
09 91 13 00-0116 SF 2 Coats Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding.....	2.63	
For Oil Based Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.33	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.56	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.89	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.22	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.73	
For >100 To 250, Add	0.82	
For >250 To 500, Add	0.35	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.26	
For >10,000 To 20,000, Deduct	-0.39	
For >20,000, Deduct	-0.53	



<b>Finishes</b>	<b>09</b>	<b>CSU</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0117 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) .....	1.31	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.71	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 13 00-0118 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) .....	1.42	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.80	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 13 00-0119 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	2.62	
For Oil Based Paint, Add	0.18	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.43	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.69	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.95	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.43	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.30	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.26	
For >10,000 To 20,000, Deduct	-0.39	
For >20,000, Deduct	-0.52	
09 91 13 00-0120 SF 1 Coat Primer, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	0.97	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 13 00-0121 SF 1 Coat Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) .....	1.08	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0122 SF 2 Coats Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) .....	2.05	
For Oil Based Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.33	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.52	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.72	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.09	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.41	
<b>09 91 13 00-0123 Paint Exterior Vinyl Siding (09 91 13 00-0001)</b>		
09 91 13 00-0124 SF 1 Coat Primer, Brush Work, Paint Exterior Vinyl Siding .....	0.82	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0125 SF 1 Coat Paint, Brush Work, Paint Exterior Vinyl Siding .....	0.90	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0126 SF 2 Coats Paint, Brush Work, Paint Exterior Vinyl Siding .....	1.67	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.64	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.95	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0127 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Vinyl Siding.....	0.75	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.40	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0128 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Vinyl Siding.....	0.75	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.40	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0129 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Vinyl Siding.....	1.41	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.73	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 13 00-0130 SF 1 Coat Primer, Sprayed, Paint Exterior Vinyl Siding.....	0.70	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.14	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.20	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.32	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0131 SF 1 Coat Paint, Sprayed, Paint Exterior Vinyl Siding.....	0.81	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.14	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.20	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.34	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0132 SF 2 Coats Paint, Sprayed, Paint Exterior Vinyl Siding.....	1.56	
For Oil Based Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
09 91 13 00-0133 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Vinyl Siding.....	0.15	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.03	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.04	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.06	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.09	
For >100 To 250, Add	0.04	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
<b>09 91 13 00-0134 Paint Exterior Ceilings (09 91 13)</b>		
<b>09 91 13 00-0135 Paint Exterior Concrete Ceilings (09 91 13 00-0134)</b>		
09 91 13 00-0136 SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Ceiling.....	0.84	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0137 SF 1 Coat Paint, Brush Work, Paint Exterior Concrete Ceiling.....	0.91	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0138 SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling.....	1.62	
For Oil Based Paint, Add	0.09	
For Epoxy Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.74	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.05	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 13 00-0139 SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling.....	0.66	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.27	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0140 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling.....	0.72	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0141 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling.....	1.34	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.59	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.84	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	

<b>09</b>	<b>09</b>	<b>Finishes</b>
	<b>09 90</b>	<b>Painting and Coating</b>
	<b>09 91</b>	<b>Painting</b>



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0142 SF 1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling .....	0.57	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.14	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.20	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.30	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	
09 91 13 00-0143 SF 1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling .....	0.65	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0144 SF 2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling .....	1.04	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0145 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Ceiling .....	0.15	
For Oil Based Paint, Add	0.01	
For Epoxy Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.03	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.05	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.07	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.10	
For >100 To 250, Add	0.05	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	

09 91 13 00-0146 Drywall/Plaster (09 91 13 00-0134)





<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0147 SF 1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	0.85	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.12	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
For Epoxy Paint, Add	0.09	
09 91 13 00-0148 SF 1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	0.91	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.13	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
For Epoxy Paint, Add	0.09	
09 91 13 00-0149 SF 2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	1.62	
For Oil Based Paint, Add	0.09	
For Orange Peel Finish, Add	0.23	
For Epoxy Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.74	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.05	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
For Epoxy Paint, Add	0.16	
09 91 13 00-0150 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling.....	0.64	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.08	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
For Epoxy Paint, Add	0.08	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0151 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling.....	0.72	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.10	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
For Epoxy Paint, Add	0.08	
09 91 13 00-0152 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling .....	1.33	
For Oil Based Paint, Add	0.08	
For Orange Peel Finish, Add	0.18	
For Epoxy Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.58	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.84	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
For Epoxy Paint, Add	0.15	
09 91 13 00-0153 SF 1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling .....	0.56	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.14	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.19	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
For Epoxy Paint, Add	0.09	
09 91 13 00-0154 SF 1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling.....	0.65	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
For Epoxy Paint, Add	0.08	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0155 SF 2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling.....	1.05	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
For Epoxy Paint, Add	0.15	
09 91 13 00-0156 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	0.15	
For Oil Based Paint, Add	0.01	
For Epoxy Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.03	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.05	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.07	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.10	
For >100 To 250, Add	0.05	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
For Epoxy Paint, Add	0.01	
<b>09 91 13 00-0157 Paint Exterior Wood Ceilings (09 91 13 00-0134)</b>		
<b>09 91 13 00-0158 Paint Exterior Smooth Wood Ceilings (09 91 13 00-0157)</b>		
09 91 13 00-0159 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Ceiling.....	1.04	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.44	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.64	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0160 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Ceiling .....	1.07	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 13 00-0161	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Ceiling.....	1.96
		<i>For Oil Based Paint, Add</i>	0.12
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.23
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.39
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.62
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.85
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	1.22
		<i>For &gt;100 To 250, Add</i>	0.58
		<i>For &gt;250 To 500, Add</i>	0.25
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.10
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.20
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.29
		<i>For &gt;20,000, Deduct</i>	-0.39
09 91 13 00-0162	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	0.85
		<i>For Oil Based Paint, Add</i>	0.06
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.15
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.23
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.32
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.48
		<i>For &gt;100 To 250, Add</i>	0.23
		<i>For &gt;250 To 500, Add</i>	0.10
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13
		<i>For &gt;20,000, Deduct</i>	-0.17
09 91 13 00-0163	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	0.91
		<i>For Oil Based Paint, Add</i>	0.06
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.17
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.27
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.37
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.54
		<i>For &gt;100 To 250, Add</i>	0.26
		<i>For &gt;250 To 500, Add</i>	0.11
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14
		<i>For &gt;20,000, Deduct</i>	-0.18
09 91 13 00-0164	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	1.64
		<i>For Oil Based Paint, Add</i>	0.11
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.17
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.29
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.46
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.64
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.94
		<i>For &gt;100 To 250, Add</i>	0.45
		<i>For &gt;250 To 500, Add</i>	0.20
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.16
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.25
		<i>For &gt;20,000, Deduct</i>	-0.33
09 91 13 00-0165	SF	1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Ceiling.....	0.69
		<i>For Oil Based Paint, Add</i>	0.05
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.07
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.12
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.19
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.26
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.39
		<i>For &gt;100 To 250, Add</i>	0.19
		<i>For &gt;250 To 500, Add</i>	0.08
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10
		<i>For &gt;20,000, Deduct</i>	-0.14



<b>Finishes</b>	<b>09</b>	<b>CSU</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0166 SF 1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Ceiling.....	0.69	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 13 00-0167 SF 2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Ceiling.....	1.23	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.25	
09 91 13 00-0168 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Ceiling.....	0.17	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.08	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.11	
For >100 To 250, Add	0.05	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.03	
<b>09 91 13 00-0169 Paint Exterior Rough Wood Ceilings (09 91 13 00-0157)</b>		
09 91 13 00-0170 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Rough Ceiling.....	1.55	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.48	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.67	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.96	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0171	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Rough Ceiling .....	1.56	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.54	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.74	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.04	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.31	
09 91	13 00-0172	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough Ceiling .....	2.73	
			For Oil Based Paint, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.35	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.58	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.93	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.28	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.80	
			For >100 To 250, Add	0.85	
			For >250 To 500, Add	0.37	
			For >2,500 To 5,000, Deduct	-0.14	
			For >5,000 To 10,000, Deduct	-0.27	
			For >10,000 To 20,000, Deduct	-0.41	
			For >20,000, Deduct	-0.55	
09 91	13 00-0173	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	1.42	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91	13 00-0174	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling .....	1.51	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.42	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.58	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.86	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.30	
09 91	13 00-0175	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling .....	2.71	
			For Oil Based Paint, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.27	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.46	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.73	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.00	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.50	
			For >100 To 250, Add	0.73	
			For >250 To 500, Add	0.32	
			For >2,500 To 5,000, Deduct	-0.14	
			For >5,000 To 10,000, Deduct	-0.27	
			For >10,000 To 20,000, Deduct	-0.41	
			For >20,000, Deduct	-0.54	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0176 SF 1 Coat Primer, Sprayed, Paint Exterior Rough Wood Ceiling.....	1.08	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 13 00-0177 SF 1 Coat Paint, Sprayed, Paint Exterior Rough Wood Ceiling.....	1.20	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.67	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0178 SF 2 Coats Paint, Sprayed, Paint Exterior Rough Wood Ceiling.....	2.17	
For Oil Based Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.21	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.36	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.57	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.78	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.18	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.43	
<b>09 91 13 00-0179 Paint Exterior Metal Ceilings (09 91 13 00-0134)</b>		
<b>09 91 13 00-0180 Paint Exterior Galvanized Ceilings (09 91 13 00-0179)</b>		
Note: Linseed oil or acrylic latex paint.		
09 91 13 00-0181 SF 1 Coat Primer, Brush Work, Paint Exterior Galvanized Ceiling.....	1.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 13 00-0182	SF	1 Coat Paint, Brush Work, Paint Exterior Galvanized Ceiling .....	1.16	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.22	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.47	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.69	
		For >100 To 250, Add	0.33	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.23	
09 91 13 00-0183	SF	2 Coats Paint, Brush Work, Paint Exterior Galvanized Ceiling .....	2.15	
		For Work >15' To 20' Above Floor, Add	0.23	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.39	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.62	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.85	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.25	
		For >100 To 250, Add	0.60	
		For >250 To 500, Add	0.26	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.22	
		For >10,000 To 20,000, Deduct	-0.32	
		For >20,000, Deduct	-0.43	
09 91 13 00-0184	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Ceiling.....	0.83	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.23	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.32	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.47	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.17	
09 91 13 00-0185	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling.....	0.92	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.27	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.37	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.54	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.18	
09 91 13 00-0186	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling.....	1.66	
		For Work >15' To 20' Above Floor, Add	0.17	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.29	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.46	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.64	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.95	
		For >100 To 250, Add	0.46	
		For >250 To 500, Add	0.20	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.17	
		For >10,000 To 20,000, Deduct	-0.25	
		For >20,000, Deduct	-0.33	





<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0187 SF 1 Coat Primer, Sprayed, Paint Exterior Galvanized Ceiling .....	0.83	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 13 00-0188 SF 1 Coat Paint, Sprayed, Paint Exterior Galvanized Ceiling .....	0.93	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0189 SF 2 Coats Paint, Sprayed, Paint Exterior Galvanized Ceiling .....	1.52	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.72	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
<b>09 91 13 00-0190 Paint Exterior Aluminum And Aluminum Alloy Ceilings (09 91 13 00-0179)</b>		
Note: Alkyd enamel paint.		
09 91 13 00-0191 SF 1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling .....	1.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0192 SF 1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling .....	1.16	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0193 SF 2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	2.15	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.39	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.62	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.85	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.25	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.43	
09 91 13 00-0194 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	0.93	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0195 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.02	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0196 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.86	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.64	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.98	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.37	
09 91 13 00-0197 SF 1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	0.83	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	



<b>Finishes</b>	<b>09</b>	<b>CS</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0198 SF 1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling .....	0.83	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 13 00-0199 SF 2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.52	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.72	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
<b>09 91 13 00-0200 Paint Exterior Corrugated Metal Ceilings (09 91 13 00-0179)</b>		
09 91 13 00-0201 SF 1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Ceiling .....	0.90	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.28	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0202 SF 1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling.....	1.03	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.21	
09 91 13 00-0203 SF 2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling.....	1.89	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.44	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.60	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.94	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.38	

09 91 13 00-0204 Paint Exterior Floors (09 91 13)

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 91 13 00-0205 Paint Exterior Concrete Floors</b> <small>(09 91 13 00-0204)</small>		
09 91 13 00-0206 SF 1 Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks .....	0.65	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0207 SF 1 Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks .....	0.72	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0208 SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks.....	1.33	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.15	
For Up To 100, Add	0.84	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 13 00-0209 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	0.55	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0210 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	0.62	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0211 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	1.02	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.13	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0212 SF 1 Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks .....	0.45	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0213 SF 1 Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks.....	0.53	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0214 SF 2 Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks.....	0.93	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.15	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0215 SF 1 Coat Non Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	2.02	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.40	
09 91 13 00-0216 SF 1 Coat Anti-Slip Paint, Single Component Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	4.97	
For Up To 100, Add	1.03	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.30	
For >2,500 To 5,000, Deduct	-0.25	
For >5,000 To 10,000, Deduct	-0.50	
For >10,000 To 20,000, Deduct	-0.75	
For >20,000, Deduct	-0.99	
09 91 13 00-0217 SF 1 Coat Anti-Slip Paint, High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	6.21	
For Up To 100, Add	1.22	
For >100 To 250, Add	0.74	
For >250 To 500, Add	0.36	
For >2,500 To 5,000, Deduct	-0.31	
For >5,000 To 10,000, Deduct	-0.62	
For >10,000 To 20,000, Deduct	-0.93	
For >20,000, Deduct	-1.24	
09 91 13 00-0218 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Floors And Decks.....	0.11	
For Up To 100, Add	0.07	
For >100 To 250, Add	0.03	
For >250 To 500, Add	0.01	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.02	
<b>09 91 13 00-0219 Paint Exterior Wood Floors (09 91 13 00-0204)</b> .....	<b>0.82</b>	
09 91 13 00-0220 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Floors And Decks .....	0.82	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0221 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Floors And Decks .....	0.88	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 13 00-0222 SF 2 Coats Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	1.66	
For Oil Based Paint, Add	0.10	
For Up To 100, Add	1.00	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
09 91 13 00-0223 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Floors And Decks.....	0.76	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0224	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks .....	0.82	
	<i>For Oil Based Paint, Add</i>	0.05	
	<i>For Up To 100, Add</i>	0.47	
	<i>For &gt;100 To 250, Add</i>	0.23	
	<i>For &gt;250 To 500, Add</i>	0.10	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
	<i>For &gt;20,000, Deduct</i>	-0.16	
09 91 13 00-0225	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks .....	1.34	
	<i>For Oil Based Paint, Add</i>	0.09	
	<i>For Up To 100, Add</i>	0.72	
	<i>For &gt;100 To 250, Add</i>	0.35	
	<i>For &gt;250 To 500, Add</i>	0.15	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.20	
	<i>For &gt;20,000, Deduct</i>	-0.27	
09 91 13 00-0226	SF 1 Coat Primer, Sprayed, Paint Exterior Wood Floors And Decks .....	0.57	
	<i>For Oil Based Paint, Add</i>	0.04	
	<i>For Up To 100, Add</i>	0.30	
	<i>For &gt;100 To 250, Add</i>	0.15	
	<i>For &gt;250 To 500, Add</i>	0.06	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09	
	<i>For &gt;20,000, Deduct</i>	-0.11	
09 91 13 00-0227	SF 1 Coat Paint, Sprayed, Paint Exterior Wood Floors And Decks .....	0.69	
	<i>For Oil Based Paint, Add</i>	0.05	
	<i>For Up To 100, Add</i>	0.39	
	<i>For &gt;100 To 250, Add</i>	0.19	
	<i>For &gt;250 To 500, Add</i>	0.08	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10	
	<i>For &gt;20,000, Deduct</i>	-0.14	
09 91 13 00-0228	SF 2 Coats Paint, Sprayed, Paint Exterior Wood Floors And Decks .....	1.11	
	<i>For Oil Based Paint, Add</i>	0.08	
	<i>For Up To 100, Add</i>	0.59	
	<i>For &gt;100 To 250, Add</i>	0.29	
	<i>For &gt;250 To 500, Add</i>	0.13	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.17	
	<i>For &gt;20,000, Deduct</i>	-0.22	
09 91 13 00-0229	SF 1 Coat Non Slip Paint, Brush Work, Paint Exterior Wood Floors And Decks .....	2.12	
	<i>For Up To 100, Add</i>	0.67	
	<i>For &gt;100 To 250, Add</i>	0.36	
	<i>For &gt;250 To 500, Add</i>	0.16	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.11	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.21	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.32	
	<i>For &gt;20,000, Deduct</i>	-0.42	
09 91 13 00-0230	SF 1 Coat Non Slip Epoxy Paint, Brush Work, Paint Exterior Wood Floors And Decks .....	6.31	
	<i>For Up To 100, Add</i>	1.29	
	<i>For &gt;100 To 250, Add</i>	0.78	
	<i>For &gt;250 To 500, Add</i>	0.37	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.32	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.63	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.95	
	<i>For &gt;20,000, Deduct</i>	-1.26	
09 91 13 00-0231	LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Floors And Decks .....	0.14	
	<i>For Up To 100, Add</i>	0.09	
	<i>For &gt;100 To 250, Add</i>	0.04	
	<i>For &gt;250 To 500, Add</i>	0.02	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.01	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.02	
	<i>For &gt;20,000, Deduct</i>	-0.03	
09 91 13 00-0232	Paint Exterior Doors And Windows <small>(09 91 13)</small>		
09 91 13 00-0233	Paint Exterior Door Frames <small>(09 91 13 00-0232)</small>		
09 91 13 00-0234	LF 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim .....	1.05	
	<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.28	
09 91 13 00-0235	LF 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim .....	1.35	
	<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.36	
09 91 13 00-0236	LF 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim .....	2.29	
	<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.60	
09 91 13 00-0237	LF 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim .....	1.07	
	<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.29	
09 91 13 00-0238	LF 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim .....	1.37	
	<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.36	
09 91 13 00-0239	LF 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim .....	2.31	
	<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.61	



		<b>Finishes</b>	<b>09</b>
		Painting and Coating	09 90
		Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>09 91 13 00-0240 Paint Exterior Metal Doors</b> <small>(09 91 13 00-0232)</small>		
09 91 13 00-0241 EA 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door.....		48.57
Note: One face		
For Half Louvered Door, Add		4.19
For Full Louvered Door, Add		6.99
For Electrostatic Painting, Add		7.95
For >5 To 10, Deduct		-2.43
For >10 To 25, Deduct		-4.86
For >25, Deduct		-7.29
09 91 13 00-0242 EA 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door.....		48.57
Note: One face		
For Half Louvered Door, Add		4.19
For Full Louvered Door, Add		6.99
For Electrostatic Painting, Add		7.95
For >5 To 10, Deduct		-2.43
For >10 To 25, Deduct		-4.86
For >25, Deduct		-7.29
09 91 13 00-0243 EA 2 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door.....		88.18
Note: One face		
For Half Louvered Door, Add		7.08
For Full Louvered Door, Add		11.81
For Electrostatic Painting, Add		14.96
For >5 To 10, Deduct		-4.41
For >10 To 25, Deduct		-8.82
For >25, Deduct		-13.23
09 91 13 00-0244 EA 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door.....		87.17
Note: Both faces		
For Half Louvered Door, Add		7.52
For Full Louvered Door, Add		12.54
For Electrostatic Painting, Add		14.27
For >5 To 10, Deduct		-4.36
For >10 To 25, Deduct		-8.72
For >25, Deduct		-13.08
09 91 13 00-0245 EA 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door.....		87.17
Note: Both faces		
For Half Louvered Door, Add		7.52
For Full Louvered Door, Add		12.54
For Electrostatic Painting, Add		14.27
For >5 To 10, Deduct		-4.36
For >10 To 25, Deduct		-8.72
For >25, Deduct		-13.08
09 91 13 00-0246 EA 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door.....		158.88
Note: Both faces		
For Half Louvered Door, Add		12.72
For Full Louvered Door, Add		21.21
For Electrostatic Painting, Add		27.00
For >5 To 10, Deduct		-7.94
For >10 To 25, Deduct		-15.89
For >25, Deduct		-23.83
09 91 13 00-0247 EA 1 Coat Primer, Sprayed, Paint Exterior Metal Door.....		45.49
Note: One face		
For Half Louvered Door, Add		3.42
For Full Louvered Door, Add		5.71
For Electrostatic Painting, Add		7.95
For >5 To 10, Deduct		-2.27
For >10 To 25, Deduct		-4.55
For >25, Deduct		-6.82
09 91 13 00-0248 EA 1 Coat Paint, Sprayed, Paint Exterior Metal Door.....		45.49
Note: One face		
For Half Louvered Door, Add		3.42
For Full Louvered Door, Add		5.71
For Electrostatic Painting, Add		7.95
For >5 To 10, Deduct		-2.27
For >10 To 25, Deduct		-4.55
For >25, Deduct		-6.82
09 91 13 00-0249 EA 2 Coats Paint, Sprayed, Paint Exterior Metal Door.....		83.59
Note: One face		
For Half Louvered Door, Add		5.78
For Full Louvered Door, Add		9.64
For Electrostatic Painting, Add		15.12
For >5 To 10, Deduct		-4.18
For >10 To 25, Deduct		-8.36
For >25, Deduct		-12.54
09 91 13 00-0250 EA 1 Coat Primer, Sprayed, Paint Exterior Metal Door.....		81.65
Note: Both faces		
For Half Louvered Door, Add		6.14
For Full Louvered Door, Add		10.23
For Electrostatic Painting, Add		14.27
For >5 To 10, Deduct		-4.08
For >10 To 25, Deduct		-8.17
For >25, Deduct		-12.25

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 91 13 00-0251	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door.....		81.65	
		Note: Both faces			
		For Half Louvered Door, Add		6.14	
		For Full Louvered Door, Add		10.23	
		For Electrostatic Painting, Add		14.27	
		For >5 To 10, Deduct		-4.08	
		For >10 To 25, Deduct		-8.17	
		For >25, Deduct		-12.25	
09 91 13 00-0252	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door.....		150.71	
		Note: Both faces			
		For Half Louvered Door, Add		10.39	
		For Full Louvered Door, Add		17.31	
		For Electrostatic Painting, Add		27.29	
		For >5 To 10, Deduct		-7.54	
		For >10 To 25, Deduct		-15.07	
		For >25, Deduct		-22.61	
09 91 13 00-0253	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....		2.26	
		For Electrostatic Painting, Add		0.28	
09 91 13 00-0254	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....		2.39	
		For Electrostatic Painting, Add		0.31	
09 91 13 00-0255	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Section Door, Or Roll Up Door.....		4.89	
		For Electrostatic Painting, Add		0.62	
09 91 13 00-0256	SF	1 Coat Primer, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....		2.49	
		For Electrostatic Painting, Add		0.30	
09 91 13 00-0257	SF	1 Coat Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....		2.62	
		For Electrostatic Painting, Add		0.33	
09 91 13 00-0258	SF	2 Coats Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....		5.09	
		For Electrostatic Painting, Add		0.65	
<b>09 91 13 00-0259</b>		<b>Paint Exterior Wood Doors</b> <small>(09 91 13 00-0232)</small>			
09 91 13 00-0260	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door.....		44.18	
		Note: One face			
		For Half Louvered Door, Add		4.19	
		For Full Louvered Door, Add		6.99	
		For >5 To 10, Deduct		-2.21	
		For >10 To 25, Deduct		-4.42	
		For >25, Deduct		-6.63	
09 91 13 00-0261	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door.....		44.18	
		Note: One face			
		For Half Louvered Door, Add		4.19	
		For Full Louvered Door, Add		6.99	
		For >5 To 10, Deduct		-2.21	
		For >10 To 25, Deduct		-4.42	
		For >25, Deduct		-6.63	
09 91 13 00-0262	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door.....		79.46	
		Note: One face			
		For Half Louvered Door, Add		7.08	
		For Full Louvered Door, Add		11.81	
		For >5 To 10, Deduct		-3.97	
		For >10 To 25, Deduct		-7.95	
		For >25, Deduct		-11.92	
09 91 13 00-0263	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door.....		79.29	
		Note: Both faces			
		For Half Louvered Door, Add		7.52	
		For Full Louvered Door, Add		12.54	
		For >5 To 10, Deduct		-3.96	
		For >10 To 25, Deduct		-7.93	
		For >25, Deduct		-11.89	
09 91 13 00-0264	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door.....		79.29	
		Note: Both faces			
		For Half Louvered Door, Add		7.52	
		For Full Louvered Door, Add		12.54	
		For >5 To 10, Deduct		-3.96	
		For >10 To 25, Deduct		-7.93	
		For >25, Deduct		-11.89	
09 91 13 00-0265	EA	2 Coats Paint, Brush Roller Work, Paint Exterior Wood Door.....		143.11	
		Note: Both faces			
		For Half Louvered Door, Add		12.72	
		For Full Louvered Door, Add		21.21	
		For >5 To 10, Deduct		-7.16	
		For >10 To 25, Deduct		-14.31	
		For >25, Deduct		-21.47	
09 91 13 00-0266	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door.....		40.66	
		Note: One face			
		For Half Louvered Door, Add		3.42	
		For Full Louvered Door, Add		5.71	
		For >5 To 10, Deduct		-2.03	
		For >10 To 25, Deduct		-4.07	
		For >25, Deduct		-6.10	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0267 EA 1 Coat Paint, Sprayed, Paint Exterior Wood Door .....	40.66	
Note: One face		
<i>For Half Louvered Door, Add</i>	3.42	
<i>For Full Louvered Door, Add</i>	5.71	
<i>For &gt;5 To 10, Deduct</i>	-2.03	
<i>For &gt;10 To 25, Deduct</i>	-4.07	
<i>For &gt;25, Deduct</i>	-6.10	
09 91 13 00-0268 EA 2 Coats Paint, Sprayed, Paint Exterior Wood Door .....	74.01	
Note: One face		
<i>For Half Louvered Door, Add</i>	5.78	
<i>For Full Louvered Door, Add</i>	9.64	
<i>For &gt;5 To 10, Deduct</i>	-3.70	
<i>For &gt;10 To 25, Deduct</i>	-7.40	
<i>For &gt;25, Deduct</i>	-11.10	
09 91 13 00-0269 EA 1 Coat Primer, Sprayed, Paint Exterior Wood Door .....	72.98	
Note: Both faces		
<i>For Half Louvered Door, Add</i>	6.14	
<i>For Full Louvered Door, Add</i>	10.23	
<i>For &gt;5 To 10, Deduct</i>	-3.65	
<i>For &gt;10 To 25, Deduct</i>	-7.30	
<i>For &gt;25, Deduct</i>	-10.95	
09 91 13 00-0270 EA 1 Coat Paint, Sprayed, Paint Exterior Wood Door .....	72.98	
Note: Both faces		
<i>For Half Louvered Door, Add</i>	6.14	
<i>For Full Louvered Door, Add</i>	10.23	
<i>For &gt;5 To 10, Deduct</i>	-3.65	
<i>For &gt;10 To 25, Deduct</i>	-7.30	
<i>For &gt;25, Deduct</i>	-10.95	
09 91 13 00-0271 EA 2 Coats Paint, Sprayed, Paint Exterior Wood Door .....	133.36	
Note: Both faces		
<i>For Half Louvered Door, Add</i>	10.39	
<i>For Full Louvered Door, Add</i>	17.31	
<i>For &gt;5 To 10, Deduct</i>	-6.67	
<i>For &gt;10 To 25, Deduct</i>	-13.34	
<i>For &gt;25, Deduct</i>	-20.00	
09 91 13 00-0272 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....	2.20	
09 91 13 00-0273 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....	2.29	
09 91 13 00-0274 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....	4.71	
09 91 13 00-0275 SF 1 Coat Primer, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....	2.41	
09 91 13 00-0276 SF 1 Coat Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....	2.52	
09 91 13 00-0277 SF 2 Coats Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....	4.89	
<b>09 91 13 00-0278 Paint Exterior Metal Windows</b> <small>(09 91 13 00-0232)</small>		
Note: Two finish coats paint over rust inhibitive primer.		
09 91 13 00-0279 EA Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....	76.36	
<i>For Electrostatic Painting, Add</i>	9.69	
<i>For &gt;5 To 10, Deduct</i>	-3.82	
<i>For &gt;10 To 25, Deduct</i>	-7.64	
<i>For &gt;25, Deduct</i>	-11.45	
09 91 13 00-0280 EA >8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....	93.46	
<i>For Electrostatic Painting, Add</i>	12.52	
<i>For &gt;5 To 10, Deduct</i>	-4.67	
<i>For &gt;10 To 25, Deduct</i>	-9.35	
<i>For &gt;25, Deduct</i>	-14.02	
09 91 13 00-0281 EA >14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....	126.45	
<i>For Electrostatic Painting, Add</i>	17.15	
<i>For &gt;5 To 10, Deduct</i>	-6.32	
<i>For &gt;10 To 25, Deduct</i>	-12.65	
<i>For &gt;25, Deduct</i>	-18.97	
09 91 13 00-0282 EA >20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....	142.44	
<i>For Electrostatic Painting, Add</i>	19.34	
<i>For &gt;5 To 10, Deduct</i>	-7.12	
<i>For &gt;10 To 25, Deduct</i>	-14.24	
<i>For &gt;25, Deduct</i>	-21.37	
09 91 13 00-0283 EA >26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....	157.89	
<i>For Electrostatic Painting, Add</i>	21.39	
<i>For &gt;5 To 10, Deduct</i>	-7.89	
<i>For &gt;10 To 25, Deduct</i>	-15.79	
<i>For &gt;25, Deduct</i>	-23.68	
09 91 13 00-0284 SF >34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....	5.01	
<i>For Electrostatic Painting, Add</i>	0.68	
<b>09 91 13 00-0285 Paint Exterior Wood Windows</b> <small>(09 91 13 00-0232)</small>		
Note: Two finish coats paint over primer.		
09 91 13 00-0286 EA Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim .....	73.45	
<i>For &gt;5 To 10, Deduct</i>	-3.67	
<i>For &gt;10 To 25, Deduct</i>	-7.35	
<i>For &gt;25, Deduct</i>	-11.02	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0287 EA >8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim .....	88.96	
For >5 To 10, Deduct	-4.45	
For >10 To 25, Deduct	-8.90	
For >25, Deduct	-13.34	
09 91 13 00-0288 EA >14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim .....	120.06	
For >5 To 10, Deduct	-6.00	
For >10 To 25, Deduct	-12.01	
For >25, Deduct	-18.01	
09 91 13 00-0289 EA >20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim .....	135.21	
For >5 To 10, Deduct	-6.76	
For >10 To 25, Deduct	-13.52	
For >25, Deduct	-20.28	
09 91 13 00-0290 EA >26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim .....	149.94	
For >5 To 10, Deduct	-7.50	
For >10 To 25, Deduct	-14.99	
For >25, Deduct	-22.49	
09 91 13 00-0291 SF >34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim.....	5.01	
<b>09 91 13 00-0292 Paint Exterior Security Screens (09 91 13 00-0232)</b>		
09 91 13 00-0293 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Security Screen .....	1.32	
For Electrostatic Painting, Add	0.18	
09 91 13 00-0294 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Security Screen .....	1.33	
For Electrostatic Painting, Add	0.17	
09 91 13 00-0295 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Security Screen.....	2.20	
For Electrostatic Painting, Add	0.28	
<b>09 91 13 00-0296 Paint Exterior Window Guards (09 91 13 00-0232)</b>		
09 91 13 00-0297 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Guards .....	1.32	
09 91 13 00-0298 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Guards.....	1.33	
09 91 13 00-0299 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Guards.....	2.20	
<b>09 91 13 00-0300 Paint Exterior Window Trim (09 91 13 00-0232)</b>		
09 91 13 00-0301 LF 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim.....	1.19	
09 91 13 00-0302 LF 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim.....	1.19	
09 91 13 00-0303 LF 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim .....	1.94	
09 91 13 00-0304 LF 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim .....	1.40	
09 91 13 00-0305 LF 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim .....	1.40	
09 91 13 00-0306 LF 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim.....	2.37	
<b>09 91 13 00-0307 Paint Exterior Roofing And Trim (09 91 13)</b>		
<b>09 91 13 00-0308 Paint Stain Or Seal Wood Roofing (09 91 13 00-0307)</b>		
09 91 13 00-0309 SF 1 Coat Paint, Brush/Roller Work, Stain And Seal Shingles/Shake.....	1.73	
For Up To 100, Add	0.87	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
09 91 13 00-0310 SF 2 Coats Stain, Brush/Roller Work, Stain And Seal Shingles/Shake.....	3.18	
For Up To 100, Add	1.56	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.34	
<b>09 91 13 00-0311 Paint Metal Roofing (09 91 13 00-0307)</b>		
09 91 13 00-0312 SF 1 Coat Paint, Brush/Roller Work, Paint Metal Roofing .....	0.79	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 91 13 00-0313 SF 2 Coats Paint, Brush/Roller Work, Paint Metal Roofing .....	1.37	
For Up To 100, Add	0.64	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
<b>09 91 13 00-0314 Paint Fascia Board (09 91 13 00-0307)</b>		
09 91 13 00-0315 LF 1 Coat Primer, Brush/Roller Work, Paint Fascia Board.....	0.71	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
09 91 13 00-0316 LF 1 Coat Paint, Brush/Roller Work, Paint Fascia Board.....	0.71	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	



<b>Finishes</b>	<b>09</b>	<b>2</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0317 LF 2 Coats Paint, Brush/Roller Work, Paint Fascia Board.....	1.23	
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
<b>09 91 13 00-0318 Paint Soffit</b> (09 91 13 00-0307)		
09 91 13 00-0319 SF 1 Coat Primer, Brush/Roller Work, Paint Soffit.....	0.85	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
09 91 13 00-0320 SF 1 Coat Paint, Brush/Roller Work, Paint Soffit.....	0.85	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
09 91 13 00-0321 SF 2 Coats Paint, Brush/Roller Work, Paint Soffit.....	1.44	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
<b>09 91 13 00-0322 Paint Metal Surfaces</b> (09 91 13)		
Note: Tasks can be used for exterior or interior applications.		
<b>09 91 13 00-0323 Paint Structural Steel</b> (09 91 13 00-0322)		
<b>09 91 13 00-0324 Paint Structural Steel, Brush Work</b> (09 91 13 00-0323)		
09 91 13 00-0325 SF 1 Field Coat Primer, Brush/Roller Work, Paint Exterior Structural Steel.....	0.91	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For Epoxy Paint, Add	0.11	
09 91 13 00-0326 SF 1 Field Coat Paint, Brush/Roller Work, Paint Exterior Structural Steel.....	0.80	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For Epoxy Paint, Add	0.10	
<b>09 91 13 00-0327 Paint Structural Steel, Spray Work</b> (09 91 13 00-0323)		
09 91 13 00-0328 SF 1 Field Coat Primer, Sprayed, Paint Exterior Structural Steel.....	0.68	
For Electrostatic Painting, Add	0.10	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For Epoxy Paint, Add	0.09	
09 91 13 00-0329 SF 1 Field Coat Paint, Sprayed, Paint Exterior Structural Steel.....	0.57	
For Electrostatic Painting, Add	0.09	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For Epoxy Paint, Add	0.09	
<b>09 91 13 00-0330 Paint Metal Decking, Beams And Bar Joist</b> (09 91 13 00-0323)		
09 91 13 00-0331 SF 1 Coat Primer, Sprayed, Paint Exposed Metal Decking.....	0.77	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For Epoxy Paint, Add	0.10	
09 91 13 00-0332 SF 1 Coat Paint, Sprayed, Paint Exposed Metal Decking.....	0.77	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For Epoxy Paint, Add	0.10	
09 91 13 00-0333 SF 2 Coats Paint, Sprayed, Paint Exposed Metal Decking.....	1.29	
For Up To 100, Add	0.73	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For Epoxy Paint, Add	0.18	
09 91 13 00-0334 SF 1 Coat Primer, Brush/Roller Work, Paint Metal Beams And Bar Joists.....	1.12	
For Up To 100, Add	0.61	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For Epoxy Paint, Add	0.17	
09 91 13 00-0335 SF 1 Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists.....	1.09	
For Up To 100, Add	0.61	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For Epoxy Paint, Add	0.16	
09 91 13 00-0336 SF 2 Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists.....	2.06	
For Up To 100, Add	1.14	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
For Epoxy Paint, Add	0.31	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0337	SF		1 Coat Primer, Sprayed, Paint Metal Beams And Bar Joists .....	0.95	
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For Epoxy Paint, Add	0.13	
09 91 13 00-0338	SF		1 Coat Paint, Sprayed, Paint Metal Beams And Bar Joists.....	0.95	
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For Epoxy Paint, Add	0.13	
09 91 13 00-0339	SF		2 Coats Paint, Sprayed, Paint Metal Beams And Bar Joists.....	1.62	
			For Up To 100, Add	0.87	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.19	
			For Epoxy Paint, Add	0.26	
<b>09 91 13 00-0340</b>			<b>Steel Pipes, Tubes, Rails, Conduit</b> (09 91 13 00-0322)		
			Note: For non surface mounted unless a different color is needed.		
09 91 13 00-0341	LF		1 Coat Primer, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe.....	1.51	
			For Electrostatic Painting, Add	0.20	
			For Epoxy Paint, Add	0.17	
09 91 13 00-0342	LF		1 Coat Primer, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe.....	1.69	
			For Electrostatic Painting, Add	0.22	
			For Epoxy Paint, Add	0.19	
09 91 13 00-0343	LF		1 Coat Primer, 4" Diameter, Paint Steel Pipes.....	1.90	
			For Electrostatic Painting, Add	0.25	
			For Epoxy Paint, Add	0.22	
09 91 13 00-0344	LF		1 Coat Primer, 6" To 8" Diameter, Paint Steel Pipes .....	2.37	
			For Electrostatic Painting, Add	0.31	
			For Epoxy Paint, Add	0.26	
09 91 13 00-0345	LF		1 Coat Primer, 10" To 12" Diameter, Paint Steel Pipes .....	3.01	
			For Electrostatic Painting, Add	0.39	
			For Epoxy Paint, Add	0.33	
09 91 13 00-0346	LF		1 Coat Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe .....	1.51	
			For Electrostatic Painting, Add	0.20	
			For Epoxy Paint, Add	0.17	
09 91 13 00-0347	LF		1 Coat Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe .....	1.69	
			For Electrostatic Painting, Add	0.22	
			For Epoxy Paint, Add	0.19	
09 91 13 00-0348	LF		1 Coat Paint, 4" Diameter, Paint Steel Pipes .....	1.90	
			For Electrostatic Painting, Add	0.25	
			For Epoxy Paint, Add	0.22	
09 91 13 00-0349	LF		1 Coat Paint, 6" To 8" Diameter, Paint Steel Pipes.....	2.37	
			For Electrostatic Painting, Add	0.31	
			For Epoxy Paint, Add	0.26	
09 91 13 00-0350	LF		1 Coat Paint, 10" To 12" Diameter, Paint Steel Pipes.....	3.01	
			For Electrostatic Painting, Add	0.39	
			For Epoxy Paint, Add	0.33	
09 91 13 00-0351	LF		2 Coats Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe .....	3.08	
			For Electrostatic Painting, Add	0.43	
			For Epoxy Paint, Add	0.39	
09 91 13 00-0352	LF		2 Coats Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe .....	3.37	
			For Electrostatic Painting, Add	0.44	
			For Epoxy Paint, Add	0.38	
09 91 13 00-0353	LF		2 Coats Paint, 4" Diameter, Paint Steel Pipes .....	3.65	
			For Electrostatic Painting, Add	0.48	
			For Epoxy Paint, Add	0.42	
09 91 13 00-0354	LF		2 Coats Paint, 6" To 8" Diameter, Paint Steel Pipes .....	4.61	
			For Electrostatic Painting, Add	0.61	
			For Epoxy Paint, Add	0.52	
09 91 13 00-0355	LF		2 Coats Paint, 10" To 12" Diameter, Paint Steel Pipes.....	5.68	
			For Electrostatic Painting, Add	0.75	
			For Epoxy Paint, Add	0.65	
09 91 13 00-0356	EA		1 Coat Paint, Paint Exposed Single Or Double Gang Outlet Box .....	7.25	
			For Electrostatic Painting, Add	0.77	
			For Epoxy Paint, Add	0.46	
<b>09 91 13 00-0357</b>			<b>Paint Metal Louvers</b> (09 91 13 00-0322)		
09 91 13 00-0358	SF		1 Coat Primer, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area.....	1.24	
			For Electrostatic Painting, Add	0.15	
09 91 13 00-0359	SF		1 Coat Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area .....	1.26	
			For Electrostatic Painting, Add	0.16	
09 91 13 00-0360	SF		2 Coats Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area.....	2.60	
			For Electrostatic Painting, Add	0.33	
<b>09 91 13 00-0361</b>			<b>Paint Ladders</b> (09 91 13 00-0322)		
09 91 13 00-0362	LF		1 Coat Alkyd Primer, Brush/Roller Work, Paint Ladders.....	3.35	
			For Epoxy Paint, Add	0.21	
09 91 13 00-0363	LF		1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders .....	3.74	
			For Epoxy Paint, Add	0.23	
09 91 13 00-0364	LF		2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders .....	7.35	
			For Epoxy Paint, Add	0.43	



		<b>Finishes</b>	<b>09</b>
		Painting and Coating	09 90
		Painting	09 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**09 91 13 00-0365 Paint Handrails** (09 91 13 00-0322)

09 91 13 00-0366	LF	1	Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	1.35	
			<i>For Epoxy Paint, Add</i>	0.11	
09 91 13 00-0367	LF	1	Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	1.49	
			<i>For Epoxy Paint, Add</i>	0.12	
09 91 13 00-0368	LF	2	Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	2.44	
			<i>For Epoxy Paint, Add</i>	0.17	
09 91 13 00-0369	LF	1	Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	2.52	
			<i>For Epoxy Paint, Add</i>	0.34	
09 91 13 00-0370	LF	1	Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	2.75	
			<i>For Epoxy Paint, Add</i>	0.35	
09 91 13 00-0371	LF	2	Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	4.69	
			<i>For Epoxy Paint, Add</i>	0.55	
09 91 13 00-0372	LF	1	Coat Alkyd Primer, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	2.70	
			<i>For Epoxy Paint, Add</i>	0.35	
09 91 13 00-0373	LF	1	Coat Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	2.96	
			<i>For Epoxy Paint, Add</i>	0.36	
09 91 13 00-0374	LF	2	Coats Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	4.96	
			<i>For Epoxy Paint, Add</i>	0.56	
09 91 13 00-0375	LF	1	Coat Alkyd Primer, Brush/Roller Work, Paint Balustrades	1.51	
			<i>For Epoxy Paint, Add</i>	0.18	
09 91 13 00-0376	LF	1	Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	1.65	
			<i>For Epoxy Paint, Add</i>	0.19	
09 91 13 00-0377	LF	2	Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	3.02	
			<i>For Epoxy Paint, Add</i>	0.36	

**09 91 13 00-0378 Paint Grating** (09 91 13 00-0322)

09 91 13 00-0379	SF	1	Coat Primer, Brush/Roller Work, Paint Gratings And Frames	2.44	
			<i>For Epoxy Paint, Add</i>	0.17	
09 91 13 00-0380	SF	1	Coat Paint, Brush/Roller Work, Paint Gratings And Frames	2.49	
			<i>For Epoxy Paint, Add</i>	0.18	
09 91 13 00-0381	SF	2	Coats Paint, Brush/Roller Work, Paint Gratings And Frames	3.76	
			<i>For Epoxy Paint, Add</i>	0.31	

**09 91 13 00-0382 Equipment And Tanks** (09 91 13 00-0322)

**09 91 13 00-0383 Paint Valves** (09 91 13 00-0382)  
Note: Includes 1 coat primer and 1 coat paint finish

09 91 13 00-0384	EA		Prime And Paint 4" And Smaller Valve	25.97	
09 91 13 00-0385	EA		Prime And Paint 6" To 10" Valve	31.92	
09 91 13 00-0386	EA		Prime And Paint 12" To 18" Valve	41.93	
09 91 13 00-0387	EA		Prime And Paint 20" To 24" Valve	55.96	
09 91 13 00-0388	EA		Prime And Paint >24" To 36" Valve	75.96	
09 91 13 00-0389	EA		Prime And Paint >36" To 48" Valve	103.85	

**09 91 13 00-0390 Paint Pumps And Motors** (09 91 13 00-0382)  
Note: Includes 1 coat primer and 1 coat paint finish

09 91 13 00-0391	EA		Prime And Paint Pump Under 1 HP	79.83	
09 91 13 00-0392	EA		Prime And Paint Pump, 1 HP To 5 HP	105.63	
09 91 13 00-0393	EA		Prime And Paint Pump, >5 HP To 10 HP	127.40	
09 91 13 00-0394	EA		Prime And Paint Pump, >10 HP To 20 HP	143.22	
09 91 13 00-0395	EA		Prime And Paint Pump, >20 HP To 30 HP	167.09	
09 91 13 00-0396	EA		Prime And Paint Pump, >30 HP To 50 HP	190.95	
09 91 13 00-0397	EA		Prime And Paint Pump, >50 HP To 75 HP	210.79	
09 91 13 00-0398	EA		Prime And Paint Pump, >75 HP	238.70	

**09 91 13 00-0399 Paint Storage Tanks** (09 91 13 00-0382)

09 91 13 00-0400	SF	1	Coat Primer, Roller, Paint Storage Tank, Exterior Surface	1.02	
09 91 13 00-0401	SF	1	Coat Paint, Roller, Paint Storage Tank, Exterior Surface	1.35	
09 91 13 00-0402	SF	2	Coats Paint, Roller, Paint Storage Tank, Exterior Surface	2.57	
09 91 13 00-0403	SF	1	Coat Primer, Roller, Paint Storage Tank, Interior Surface	1.36	
09 91 13 00-0404	SF	1	Coat Paint, Roller, Paint Storage Tank, Interior Surface	1.73	
09 91 13 00-0405	SF	2	Coats Paint, Roller, Paint Storage Tank, Interior Surface	3.32	
09 91 13 00-0406	SF	1	Coat Primer, Sprayed, Paint Storage Tank, Exterior Surface	1.09	
09 91 13 00-0407	SF	1	Coat Paint, Sprayed, Paint Storage Tank, Exterior Surface	1.35	
09 91 13 00-0408	SF	2	Coats Paint, Sprayed, Paint Storage Tank, Exterior Surface	2.63	
09 91 13 00-0409	SF	1	Coat Primer, Sprayed, Paint Storage Tank, Interior Surface	1.25	
09 91 13 00-0410	SF	1	Coat Paint, Sprayed, Paint Storage Tank, Interior Surface	1.65	
09 91 13 00-0411	SF	2	Coats Paint, Sprayed, Paint Storage Tank, Interior Surface	3.20	

**09 91 13 00-0412 Other Site Work Painting** (09 91 13)

**09 91 13 00-0413 Paint Fencing** (09 91 13 00-0412)  
Note: Per side of fence. Based on gross fence area (length of fence x height of fence).



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0414	SF	1 Coat Paint, Brush/Roller, Paint Existing Chain Link Fence .....	0.75	
			For Epoxy Paint, Add	0.09	
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
09 91	13 00-0415	SF	2 Coats Paint, Brush/Roller, Paint Existing Chain Link Fence .....	1.42	
			For Epoxy Paint, Add	0.18	
			For Up To 100, Add	0.86	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
09 91	13 00-0416	SF	1 Coat Paint, Sprayed, Paint Existing Chain Link Fence .....	0.70	
			For Epoxy Paint, Add	0.10	
			For Electrostatic Painting, Add	0.10	
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
09 91	13 00-0417	SF	2 Coats Paint, Sprayed, Paint Existing Chain Link Fence.....	1.30	
			For Epoxy Paint, Add	0.20	
			For Electrostatic Painting, Add	0.20	
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
09 91	13 00-0418	SF	1 Coat Primer, Brush/Roller, Paint Wrought Iron Fence .....	0.70	
			For Epoxy Paint, Add	0.10	
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
09 91	13 00-0419	SF	1 Coat Paint, Brush/Roller, Paint Wrought Iron Fence.....	0.65	
			For Epoxy Paint, Add	0.08	
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
09 91	13 00-0420	SF	Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence .....	0.47	
			For Epoxy Paint, Add	0.07	
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
09 91	13 00-0421	SF	1 Coat Primer, Brush/Roller, Paint Picket Fence .....	0.87	
			For Epoxy Paint, Add	0.07	
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
09 91	13 00-0422	SF	1 Coat Paint, Brush/Roller, Paint Picket Fence.....	0.87	
			For Epoxy Paint, Add	0.07	
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
09 91	13 00-0423	SF	Each Additional Coat, Brush/Roller, Paint Picket Fence .....	0.62	
			For Epoxy Paint, Add	0.06	
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
09 91	13 00-0424	SF	1 Coat Paint, Brush/Roller, Paint Wood Fences .....	0.65	
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
09 91	13 00-0425	SF	2 Coats Paint, Brush/Roller, Paint Wood Fences.....	1.17	
			For Up To 100, Add	0.67	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
09 91	13 00-0426	SF	1 Coat Paint, Sprayed, Paint Wood Fences.....	0.53	
			For Up To 100, Add	0.30	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
09 91	13 00-0427	SF	2 Coats Paint, Sprayed, Paint Wood Fences.....	0.98	
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
<b>09 91</b>	<b>13 00-0428</b>		<b>Paint Shutters Or Blinds, Solid Panel</b> (09 91 13 00-0412)		
	09 91 13 00-0429	SF	1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Solid Panel.....	2.64	
	09 91 13 00-0430	SF	1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel.....	2.65	
	09 91 13 00-0431	SF	2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel .....	4.71	
	09 91 13 00-0432	SF	1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Solid Panel .....	1.67	
	09 91 13 00-0433	SF	1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel .....	1.68	
	09 91 13 00-0434	SF	2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel.....	3.11	
<b>09 91</b>	<b>13 00-0435</b>		<b>Paint Shutters Or Blinds, Louvered Panel</b> (09 91 13 00-0412)		
	09 91 13 00-0436	SF	1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Louvered Panel.....	3.26	
	09 91 13 00-0437	SF	1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel .....	3.27	
	09 91 13 00-0438	SF	2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel .....	5.81	
	09 91 13 00-0439	SF	1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Louvered Panel .....	2.03	
	09 91 13 00-0440	SF	1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel .....	2.04	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0441 SF 2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel.....	3.76	
<b>09 91 13 00-0442 Paint Flagpoles</b> <small>(09 91 13 00-0412)</small>		
09 91 13 00-0443 EA 1 Coat Paint, 20' High, Paint Steel Flagpole .....	206.69	
09 91 13 00-0444 EA 1 Coat Paint, 30' High, Paint Steel Flagpole .....	278.60	
09 91 13 00-0445 EA 1 Coat Paint, 40' High, Paint Steel Flagpole .....	350.57	
09 91 13 00-0446 EA 1 Coat Paint, 50' High, Paint Steel Flagpole .....	422.55	
09 91 13 00-0447 EA 1 Coat Paint, 70' High, Paint Steel Flagpole .....	562.13	
09 91 13 00-0448 EA 1 Coat Paint, 80' High, Paint Steel Flagpole .....	633.54	
09 91 13 00-0449 EA 1 Coat Paint, 90' High, Paint Steel Flagpole .....	704.98	
<b>09 91 13 00-0450 Paint Lattice Or Trellis</b> <small>(09 91 13 00-0412)</small>		
09 91 13 00-0451 SF 1 Coat Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis.....	1.30	
<i>For Up To 100, Add</i>	<i>0.87</i>	
<i>For &gt;100 To 250, Add</i>	<i>0.41</i>	
<i>For &gt;250 To 500, Add</i>	<i>0.18</i>	
09 91 13 00-0452 SF 2 Coats Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis.....	2.41	
<i>For Up To 100, Add</i>	<i>1.60</i>	
<i>For &gt;100 To 250, Add</i>	<i>0.76</i>	
<i>For &gt;250 To 500, Add</i>	<i>0.33</i>	
<b>09 91 13 00-0453 Paint Exterior Stairs</b> <small>(09 91 13)</small>		
<b>09 91 13 00-0454 Paint Exterior Concrete Stairs</b> <small>(09 91 13 00-0453)</small>		
09 91 13 00-0455 RSR 1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) .....	14.50	
09 91 13 00-0456 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide).....	14.50	
09 91 13 00-0457 RSR 1 Coat Non Slip Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide).....	20.35	
09 91 13 00-0458 RSR 1 Coat Non Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) .....	37.13	
09 91 13 00-0459 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide).....	29.01	
<b>09 91 13 00-0460 Paint Exterior Metal Stairs</b> <small>(09 91 13 00-0453)</small>		
09 91 13 00-0461 RSR 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide).....	7.70	
<i>For Oil Based Paint, Add</i>	<i>0.42</i>	
09 91 13 00-0462 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide) .....	7.70	
<i>For Oil Based Paint, Add</i>	<i>0.42</i>	
09 91 13 00-0463 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide).....	15.40	
<i>For Oil Based Paint, Add</i>	<i>0.84</i>	
<b>09 91 13 00-0464 Paint Exterior Wood Stairs</b> <small>(09 91 13 00-0453)</small>		
09 91 13 00-0465 RSR 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide) .....	7.55	
09 91 13 00-0466 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....	7.54	
09 91 13 00-0467 RSR 1 Coat Non Slip Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide) .....	13.39	
09 91 13 00-0468 RSR 1 Coat Non Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide) .....	30.17	
09 91 13 00-0469 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....	15.09	
<b>09 91 13 00-0470 Paint Exterior Stair Nosing</b> <small>(09 91 13 00-0453)</small>		
09 91 13 00-0471 LF 1 Coat Paint, Up To 2", Non Slip, Brush Work, Paint Exterior Yellow Stair Safety Strip .....	1.43	
<b>09 91 13 00-0472 Paint Exterior Trim</b> <small>(09 91 13)</small>		
<b>09 91 13 00-0473 Paint Exterior Metal Trim And Gutters</b> <small>(09 91 13 00-0472)</small>		
09 91 13 00-0474 SF 1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim.....	1.02	
09 91 13 00-0475 SF 1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim .....	1.11	
09 91 13 00-0476 SF 2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim .....	2.00	
09 91 13 00-0477 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Exposed Metal Trim .....	0.93	
09 91 13 00-0478 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim.....	1.01	
09 91 13 00-0479 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim .....	1.80	
09 91 13 00-0480 LF 1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout.....	1.59	
09 91 13 00-0481 LF 2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout.....	1.98	
<b>09 91 13 00-0482 Paint Exterior Wood Trim</b> <small>(09 91 13 00-0472)</small>		

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0483 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Trim .....	1.46	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.63	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.91	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 13 00-0484 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Trim.....	1.58	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.31	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.50	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.68	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.98	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 13 00-0485 SF 2 Coats Paint, Brush Work, Paint Exterior Wood Trim.....	2.89	
For Oil Based Paint, Add	0.18	
For Work >15' To 20' Above Floor, Add	0.33	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.55	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.88	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.21	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.75	
For >100 To 250, Add	0.84	
For >250 To 500, Add	0.36	
For >2,500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.29	
For >10,000 To 20,000, Deduct	-0.43	
For >20,000, Deduct	-0.58	
09 91 13 00-0486 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Trim.....	1.16	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 13 00-0487 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Trim.....	1.30	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.77	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	





<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0488 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Trim .....	2.43	
For Oil Based Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.44	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.70	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.96	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.41	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.30	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.24	
For >10,000 To 20,000, Deduct	-0.36	
For >20,000, Deduct	-0.49	
09 91 13 00-0489 SF 1 Coat Primer, Sprayed, Paint Exterior Wood Trim .....	0.97	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 13 00-0490 SF 1 Coat Paint, Sprayed, Paint Exterior Wood Trim .....	1.08	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 13 00-0491 SF 2 Coats Paint, Sprayed, Paint Exterior Wood Trim .....	2.05	
For Oil Based Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.33	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.52	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.72	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.09	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.41	
<b>09 91 13 00-0492 Paint Exterior Miscellaneous Metal Surfaces</b> <small>(09 91 13)</small> .....	<b>1.23</b>	
09 91 13 00-0493 SF 1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces .....	1.23	
For Epoxy Paint, Add	0.15	
For Electrostatic Painting, Add	0.17	
09 91 13 00-0494 SF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces .....	1.12	
For Epoxy Paint, Add	0.12	
For Electrostatic Painting, Add	0.14	
09 91 13 00-0495 SF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces .....	2.27	
For Epoxy Paint, Add	0.25	
For Electrostatic Painting, Add	0.29	

**09 91 23 Interior Painting** (09 91)

Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss. See CSI section 09 91 13 00-0322 for additional interior materials.

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0001	Paint Interior Walls <small>(09 91 23)</small>		
09 91 23 00-0002	Paint Interior Brick Walls <small>(09 91 23 00-0001)</small>		
09 91 23 00-0003	SF 1 Coat Filler, Brush Work, Paint Interior Brick Walls.....	0.96	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.30	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.41	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.59	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 23 00-0004	SF 1 Coat Paint, Brush Work, Paint Interior Brick Walls.....	1.10	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.34	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.47	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.68	
	For >100 To 250, Add	0.33	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.22	
09 91 23 00-0005	SF 2 Coat Paint, Brush Work, Paint Interior Brick Walls.....	1.98	
	For Oil Based Paint, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.23	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.38	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.60	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.83	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.20	
	For >100 To 250, Add	0.57	
	For >250 To 500, Add	0.25	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.20	
	For >10,000 To 20,000, Deduct	-0.30	
	For >20,000, Deduct	-0.40	
09 91 23 00-0006	SF 1 Coat Filler, Brush/Roller Work, Paint Interior Brick Walls.....	0.79	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.23	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.47	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0007 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Brick Walls .....	0.99	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0008 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Brick Walls .....	1.71	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.64	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.95	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.34	
09 91 23 00-0009 SF 1 Coat Filler, Sprayed, Paint Interior Brick Walls .....	0.72	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
For Backroll, Add	0.08	
09 91 23 00-0010 SF 1 Coat Paint, Sprayed, Paint Interior Brick Walls .....	0.80	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.25	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.40	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
For Backroll, Add	0.09	
09 91 23 00-0011 SF 2 Coats Paint, Sprayed, Paint Interior Brick Walls .....	1.38	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.44	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
For Backroll, Add	0.15	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0012	SF 1 Coat Bonding Agent, Brush Work, Paint Interior Brick Walls .....	0.99	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.30	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.41	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.60	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 23 00-0013	SF 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Brick Walls.....	0.82	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.23	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.47	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 23 00-0014	SF 1 Coat Bonding Agent, Sprayed, Paint Interior Brick Walls.....	0.76	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.19	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.26	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.40	
	For >100 To 250, Add	0.20	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	
	For Backroll, Add	0.09	
09 91 23 00-0015	LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Brick Walls.....	0.18	
	For Work >15' To 20' Above Floor, Add	0.02	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.04	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.06	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.08	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.11	
	For >100 To 250, Add	0.05	
	For >250 To 500, Add	0.02	
	For >2,500 To 5,000, Deduct	-0.01	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 20,000, Deduct	-0.03	
	For >20,000, Deduct	-0.04	
09 91 23 00-0016	Paint Interior Concrete Walls (09 91 23 00-0001)	0.81	
09 91 23 00-0017	SF 1 Coat Filler, Brush Work, Paint Interior Concrete Walls .....	0.81	
	For Oil Based Paint, Add	0.05	
	For Epoxy Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.35	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.51	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0018 SF 1 Coat Paint, Brush Work, Paint Interior Concrete Walls.....	0.87	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.29	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.40	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0019 SF 2 Coats Paint, Brush Work, Paint Interior Concrete Walls.....	1.61	
For Oil Based Paint, Add	0.09	
For Epoxy Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.21	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.35	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.55	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.76	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.07	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 23 00-0020 SF 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Walls.....	0.66	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.27	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0021 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Walls.....	0.74	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.33	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0022 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Walls.....	1.35	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.59	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.85	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 23 00-0023 SF 1 Coat Filler, Sprayed, Paint Interior Concrete Walls.....	0.58	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.15	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.20	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
For Backroll, Add	0.07	
09 91 23 00-0024 SF 1 Coat Paint, Sprayed, Paint Interior Concrete Walls.....	0.65	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
For Backroll, Add	0.08	
09 91 23 00-0025 SF 2 Coats Paint, Sprayed, Paint Interior Concrete Walls.....	1.04	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
For Backroll, Add	0.12	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0026 SF 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Walls.....	0.84	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0027 SF 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Walls .....	0.69	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.27	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 23 00-0028 SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Walls.....	0.61	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20' to 30'		
For Work >30' To 40' Above Floor, Add	0.15	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.20	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
For Backroll, Add	0.07	
09 91 23 00-0029 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Walls .....	0.14	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.03	
Note: Applied only to work area above 20' to 30'		
For Work >30' To 40' Above Floor, Add	0.05	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.07	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.09	
For >100 To 250, Add	0.04	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
09 91 23 00-0030 Paint Interior Concrete Block Walls (09 91 23 00-0001)		
09 91 23 00-0031 Paint Interior Concrete Block Walls, Epoxy Paint (09 91 23 00-0030)		
09 91 23 00-0032 LF 1 Coat Epoxy Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls.....	0.47	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20' to 30'		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.09	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.17	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0033 SF 1 Coat Epoxy Filler, Brush Work, Paint Interior Concrete Block Walls.....	1.14	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 23 00-0034 SF 1 Coat Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls .....	1.31	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.40	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.55	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.80	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 23 00-0035 SF 2 Coats Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls.....	2.36	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.44	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.70	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.96	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.40	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.29	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.24	
For >10,000 To 20,000, Deduct	-0.35	
For >20,000, Deduct	-0.47	
09 91 23 00-0036 SF 1 Coat Epoxy Filler, Brush/Roller Work, Paint Interior Concrete Block Walls .....	0.95	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0037 SF 1 Coat Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls .....	1.04	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.29	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.40	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	





<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0038 SF 2 Coats Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls.....	1.97	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.74	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.11	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.39	
09 91 23 00-0039 SF 1 Coat Epoxy Filler, Sprayed, Paint Interior Concrete Block Walls.....	0.81	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.17	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.24	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
For Backroll, Add	0.08	
09 91 23 00-0040 SF 1 Coat Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls.....	0.96	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
For Backroll, Add	0.11	
09 91 23 00-0041 SF 2 Coats Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.77	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.54	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.85	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.35	
For Backroll, Add	0.19	
<b>09 91 23 00-0042 Paint Interior Concrete Block Walls, Acrylic Latex Paint (09 91 23 00-0030)</b>		
09 91 23 00-0043 SF 1 Coat Filler, Brush Work, Paint Interior Concrete Block Walls.....	1.04	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 23 00-0044	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Block Walls .....	1.24
		<i>For Oil Based Paint, Add</i>	0.08
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.15
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.24
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.39
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.53
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.77
		<i>For &gt;100 To 250, Add</i>	0.37
		<i>For &gt;250 To 500, Add</i>	0.16
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.19
		<i>For &gt;20,000, Deduct</i>	-0.25
09 91 23 00-0045	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Block Walls.....	2.27
		<i>For Oil Based Paint, Add</i>	0.14
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.26
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.43
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.69
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.95
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	1.37
		<i>For &gt;100 To 250, Add</i>	0.66
		<i>For &gt;250 To 500, Add</i>	0.29
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.11
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.23
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.34
		<i>For &gt;20,000, Deduct</i>	-0.45
09 91 23 00-0046	SF	1 Coat Texture Paint, Brush Work, Paint Interior Concrete Block Walls .....	1.38
		<i>For Oil Based Paint, Add</i>	0.08
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.27
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.43
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.59
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.85
		<i>For &gt;100 To 250, Add</i>	0.41
		<i>For &gt;250 To 500, Add</i>	0.18
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.14
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.21
		<i>For &gt;20,000, Deduct</i>	-0.28
09 91 23 00-0047	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Block Walls .....	0.89
		<i>For Oil Based Paint, Add</i>	0.06
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.17
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.27
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.37
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.54
		<i>For &gt;100 To 250, Add</i>	0.26
		<i>For &gt;250 To 500, Add</i>	0.11
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13
		<i>For &gt;20,000, Deduct</i>	-0.18
09 91 23 00-0048	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Block Walls .....	1.05
		<i>For Oil Based Paint, Add</i>	0.07
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.20
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.31
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.43
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.63
		<i>For &gt;100 To 250, Add</i>	0.30
		<i>For &gt;250 To 500, Add</i>	0.13
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16
		<i>For &gt;20,000, Deduct</i>	-0.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0049 SF 2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.90	
For Oil Based Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.74	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.10	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.38	
09 91 23 00-0050 SF 1 Coat Texture Paint, Brush/Roller Work, Paint Interior Concrete Block Walls.....	1.18	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.70	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0051 SF 1 Coat Filler, Sprayed, Paint Interior Concrete Block Walls.....	0.79	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
For Backroll, Add	0.09	
09 91 23 00-0052 SF 1 Coat Paint, Sprayed, Paint Interior Concrete Block Walls.....	0.92	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
For Backroll, Add	0.10	
09 91 23 00-0053 SF 2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.30	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.36	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.49	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.73	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
For Backroll, Add	0.15	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0054 SF 1 Coat Texture Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.08	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
For Backroll, Add	0.12	
09 91 23 00-0055 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls.....	0.21	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.09	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.13	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	
<b>09 91 23 00-0056 Paint Interior Concrete Block Walls With Bonding Agent (09 91 23 00-0030)</b>		
09 91 23 00-0057 SF 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Block Walls.....	1.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0058 SF 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Block Walls.....	0.92	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 23 00-0059 SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Block Walls.....	0.84	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
For Backroll, Add	0.09	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0060 Paint Interior Plaster/Drywall Walls (09 91 23 00-0001)		
09 91 23 00-0061 Paint Interior Plaster/Drywall Walls (09 91 23 00-0060)		
09 91 23 00-0062 SF 1 Coat Primer, Brush Work, Paint Interior Plaster/Drywall Walls .....	0.85	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.12	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0063 SF 1 Coat Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	0.89	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.12	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 23 00-0064 SF 2 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	1.62	
For Oil Based Paint, Add	0.09	
For Orange Peel Finish, Add	0.23	
For Epoxy Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.74	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.05	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 23 00-0065 SF 3 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	2.32	
For Oil Based Paint, Add	0.14	
For Orange Peel Finish, Add	0.32	
For Epoxy Paint, Add	0.24	
For Work >15' To 20' Above Floor, Add	0.29	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.48	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.76	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.05	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.49	
For >100 To 250, Add	0.71	
For >250 To 500, Add	0.31	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.23	
For >10,000 To 20,000, Deduct	-0.35	
For >20,000, Deduct	-0.46	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0066 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Plaster/Drywall Walls.....	0.68	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.09	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.28	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 23 00-0067 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls.....	0.76	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.10	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0068 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls.....	1.37	
For Oil Based Paint, Add	0.08	
For Orange Peel Finish, Add	0.19	
For Epoxy Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.58	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.84	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.27	
09 91 23 00-0069 SF 1 Coat Primer, Sprayed, Paint Interior Plaster/Drywall Walls.....	0.60	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.10	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.16	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.21	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.32	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
For Backroll, Add	0.07	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0070 SF 1 Coat Paint, Sprayed, Paint Interior Plaster/Drywall Walls.....	0.65	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
For Backroll, Add	0.08	
09 91 23 00-0071 SF 2 Coats Paint, Sprayed, Paint Interior Plaster/Drywall Walls.....	1.04	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
For Backroll, Add	0.12	
09 91 23 00-0072 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Plaster/Drywall Walls.....	0.14	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.03	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.05	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.07	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.09	
For >100 To 250, Add	0.04	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
<b>09 91 23 00-0073 Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint</b> <small>(09 91 23 00-0060)</small>		
09 91 23 00-0074 SF 2 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls.....	1.86	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.78	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.37	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0075 SF 3 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls.....	2.03	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.80	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.41	
09 91 23 00-0076 SF 4 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls.....	2.20	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.83	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.44	
<b>09 91 23 00-0077 Paint Interior Plaster/Drywall Walls, Acoustic Texture (09 91 23 00-0060)</b>		
09 91 23 00-0078 SF 1 Coat Primer, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls.....	0.74	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0079 SF 1 Coat Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls.....	0.87	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.33	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0080 SF 2 Coats Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls.....	1.37	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.70	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.27	





		<b>Finishes</b>	<b>09</b>
		Painting and Coating	09 90
		Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0081 SF Stipple Finish (Drippowder), Paint Interior Plaster/Drywall Walls.....	1.32	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.48	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.67	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.92	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
 09 91 23 00-0082 Paint Interior Metal Walls (09 91 23 00-0001)		
09 91 23 00-0083 Paint Interior Galvanized Walls (09 91 23 00-0082)		
Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0084 SF 1 Coat Primer, Brush Work, Paint Interior Galvanized Wall Surfaces.....	1.05	
For Electrostatic Painting, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.61	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0085 SF 1 Coat Paint, Brush Work, Paint Interior Galvanized Wall Surfaces.....	1.15	
For Electrostatic Painting, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 23 00-0086 SF 2 Coats Paint, Brush Work, Paint Interior Galvanized Wall Surfaces.....	2.11	
For Electrostatic Painting, Add	0.30	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.38	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.60	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.83	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.22	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.42	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 23 00-0087	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Walls.....	0.79	
	For Electrostatic Painting, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.22	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.30	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.44	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 23 00-0088	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Wall.....	0.90	
	For Electrostatic Painting, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.35	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.52	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.18	
09 91 23 00-0089	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Walls.....	1.70	
	For Electrostatic Painting, Add	0.25	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.30	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.47	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.65	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.96	
	For >100 To 250, Add	0.47	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.26	
	For >20,000, Deduct	-0.34	
09 91 23 00-0090	SF 1 Coat Primer, Sprayed, Paint Interior Galvanized Walls.....	0.68	
	For Electrostatic Painting, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.05	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.08	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.13	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.18	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.30	
	For >100 To 250, Add	0.15	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.14	
	For Backroll, Add	0.07	
09 91 23 00-0091	SF 1 Coat Paint, Sprayed, Paint Interior Galvanized Walls.....	0.87	
	For Electrostatic Painting, Add	0.14	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.13	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.21	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.29	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.44	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	
	For Backroll, Add	0.10	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0092 SF 2 Coats Paint, Sprayed, Paint Interior Galvanized Walls .....	1.49	
For Electrostatic Painting, Add	0.25	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.43	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.70	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.30	
For Backroll, Add	0.15	
09 91 23 00-0093 Paint Interior Aluminum And Aluminum Alloy Walls (09 91 23 00-0082)		
Note: Alkyd enamel paint.		
09 91 23 00-0094 SF 1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces .....	1.05	
For Electrostatic Painting, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.61	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0095 SF 1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces .....	1.15	
For Electrostatic Painting, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 23 00-0096 SF 2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces .....	2.10	
For Electrostatic Painting, Add	0.30	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.38	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.60	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.83	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.22	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.42	

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0097	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls.....	0.89	
			<i>For Electrostatic Painting, Add</i>	0.14	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.46	
			<i>For &gt;100 To 250, Add</i>	0.22	
			<i>For &gt;250 To 500, Add</i>	0.10	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
			<i>For &gt;20,000, Deduct</i>	-0.18	
09 91 23 00-0098	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls.....	0.99	
			<i>For Electrostatic Painting, Add</i>	0.15	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.35	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.53	
			<i>For &gt;100 To 250, Add</i>	0.26	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
			<i>For &gt;20,000, Deduct</i>	-0.20	
09 91 23 00-0099	SF	2	Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls.....	1.88	
			<i>For Electrostatic Painting, Add</i>	0.29	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.47	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.65	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.99	
			<i>For &gt;100 To 250, Add</i>	0.48	
			<i>For &gt;250 To 500, Add</i>	0.21	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.19	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.28	
			<i>For &gt;20,000, Deduct</i>	-0.38	
09 91 23 00-0100	SF	1	Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls.....	0.74	
			<i>For Electrostatic Painting, Add</i>	0.13	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.06	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.35	
			<i>For &gt;100 To 250, Add</i>	0.17	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11	
			<i>For &gt;20,000, Deduct</i>	-0.15	
			<i>For Backroll, Add</i>	0.08	
09 91 23 00-0101	SF	1	Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls.....	0.87	
			<i>For Electrostatic Painting, Add</i>	0.14	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.44	
			<i>For &gt;100 To 250, Add</i>	0.22	
			<i>For &gt;250 To 500, Add</i>	0.10	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
			<i>For &gt;20,000, Deduct</i>	-0.17	
			<i>For Backroll, Add</i>	0.10	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0102 SF 2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls.....	1.49	
For Electrostatic Painting, Add	0.25	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.43	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.70	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.30	
For Backroll, Add	0.15	
<b>09 91 23 00-0103 Paint Interior Corrugated Metal Walls (09 91 23 00-0082)</b>		
09 91 23 00-0104 SF 1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Walls.....	0.83	
For Electrostatic Painting, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.17	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.24	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
For Backroll, Add	0.08	
09 91 23 00-0105 SF 1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Walls.....	1.10	
For Electrostatic Painting, Add	0.17	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
For Backroll, Add	0.13	
09 91 23 00-0106 SF 2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Walls.....	1.85	
For Electrostatic Painting, Add	0.31	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.58	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.91	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.37	
For Backroll, Add	0.20	

09 91 23 00-0107 Paint Interior Stucco Walls (09 91 23 00-0001)



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 23 00-0108	SF	1 Coat Primer, Brush Work, Paint Interior Stucco Wall Surfaces.....	1.39	
		<i>For Oil Based Paint, Add</i>	0.08	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.18	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.30	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.47	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.65	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.92	
		<i>For &gt;100 To 250, Add</i>	0.43	
		<i>For &gt;250 To 500, Add</i>	0.19	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.14	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.21	
		<i>For &gt;20,000, Deduct</i>	-0.28	
09 91 23 00-0109	SF	1 Coat Paint, Brush Work, Paint Interior Stucco Wall Surfaces.....	1.52	
		<i>For Oil Based Paint, Add</i>	0.09	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.19	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.32	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.51	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.70	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	1.00	
		<i>For &gt;100 To 250, Add</i>	0.47	
		<i>For &gt;250 To 500, Add</i>	0.20	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.23	
		<i>For &gt;20,000, Deduct</i>	-0.30	
09 91 23 00-0110	SF	2 Coats Paint, Brush Work, Paint Interior Stucco Wall Surfaces.....	2.70	
		<i>For Oil Based Paint, Add</i>	0.16	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.33	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.56	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.89	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	1.22	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	1.74	
		<i>For &gt;100 To 250, Add</i>	0.83	
		<i>For &gt;250 To 500, Add</i>	0.36	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.14	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.27	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.41	
		<i>For &gt;20,000, Deduct</i>	-0.54	
09 91 23 00-0111	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Stucco Wall Surfaces.....	1.06	
		<i>For Oil Based Paint, Add</i>	0.06	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.21	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.34	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.47	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.67	
		<i>For &gt;100 To 250, Add</i>	0.32	
		<i>For &gt;250 To 500, Add</i>	0.14	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16	
		<i>For &gt;20,000, Deduct</i>	-0.21	
09 91 23 00-0112	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces.....	1.20	
		<i>For Oil Based Paint, Add</i>	0.07	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.14	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.24	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.38	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.53	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.76	
		<i>For &gt;100 To 250, Add</i>	0.36	
		<i>For &gt;250 To 500, Add</i>	0.16	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.18	
		<i>For &gt;20,000, Deduct</i>	-0.24	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0113 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces.....	2.20	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.43	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.69	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.95	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.36	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.28	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.44	
09 91 23 00-0114 SF 1 Coat Primer, Sprayed, Paint Interior Stucco Wall Surfaces.....	0.79	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
For Backroll, Add	0.09	
09 91 23 00-0115 SF 1 Coat Paint, Sprayed, Paint Interior Stucco Wall Surfaces.....	0.97	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
For Backroll, Add	0.11	
09 91 23 00-0116 SF 2 Coats Paint, Sprayed, Paint Interior Stucco Wall Surfaces.....	1.87	
For Oil Based Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.33	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.53	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.73	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.07	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.37	
For Backroll, Add	0.23	
09 91 23 00-0117 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Stucco Wall Surfaces.....	0.25	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.03	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.05	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.08	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.12	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.16	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.04	
For >20,000, Deduct	-0.05	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0118	Paint Interior Wood Walls <small>(09 91 23 00-0001)</small>		
09 91 23 00-0119	Interior Wood Walls <small>(09 91 23 00-0118)</small>		
09 91 23 00-0120	SF 1 Coat Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	1.04	
	<i>For Oil Based Paint, Add</i>	0.06	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.22	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.35	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	0.48	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.68	
	<i>For &gt;100 To 250, Add</i>	0.32	
	<i>For &gt;250 To 500, Add</i>	0.14	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16	
	<i>For &gt;20,000, Deduct</i>	-0.21	
09 91 23 00-0121	SF 2 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	1.90	
	<i>For Oil Based Paint, Add</i>	0.11	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.23	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.39	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.62	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	0.86	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	1.22	
	<i>For &gt;100 To 250, Add</i>	0.58	
	<i>For &gt;250 To 500, Add</i>	0.25	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.10	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.19	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.29	
	<i>For &gt;20,000, Deduct</i>	-0.38	
09 91 23 00-0122	SF 3 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	2.71	
	<i>For Oil Based Paint, Add</i>	0.16	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.33	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.55	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.88	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	1.21	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	1.73	
	<i>For &gt;100 To 250, Add</i>	0.82	
	<i>For &gt;250 To 500, Add</i>	0.36	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.14	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.27	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.41	
	<i>For &gt;20,000, Deduct</i>	-0.54	
09 91 23 00-0123	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Walls.....	0.74	
	<i>For Oil Based Paint, Add</i>	0.05	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.14	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.23	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	0.31	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.45	
	<i>For &gt;100 To 250, Add</i>	0.22	
	<i>For &gt;250 To 500, Add</i>	0.09	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11	
	<i>For &gt;20,000, Deduct</i>	-0.15	





<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0124 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Walls.....	0.84	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0125 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Walls.....	1.50	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.64	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.92	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
09 91 23 00-0126 SF 1 Coat Primer, Sprayed, Paint Interior Wood Walls.....	0.57	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.14	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.20	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.30	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	
For Backroll, Add	0.06	
09 91 23 00-0127 SF 1 Coat Paint, Sprayed, Paint Interior Wood Walls.....	0.72	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
For Backroll, Add	0.08	
09 91 23 00-0128 SF 2 Coats Paint, Sprayed, Paint Interior Wood Walls.....	1.31	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
For Backroll, Add	0.15	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0129 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Wall Surfaces .....	0.17	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.08	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.11	
For >100 To 250, Add	0.05	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.03	
<b>09 91 23 00-0130 Paint Interior Ceilings (09 91 23)</b>		
<b>09 91 23 00-0131 Paint Interior Acoustical Ceilings (09 91 23 00-0130)</b>		
Note: Includes grid.		
09 91 23 00-0132 SF 1 Coat Primer, Brush Work, Paint Interior Acoustical Ceiling .....	0.92	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 23 00-0133 SF 1 Coat Paint, Brush Work, Paint Interior Acoustical Ceiling .....	1.00	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0134 SF 2 Coats Paint, Brush Work, Paint Interior Acoustical Ceiling .....	1.77	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.38	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.60	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.83	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.17	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.35	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0135 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	0.80	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0136 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	0.78	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0137 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	1.45	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.47	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.65	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.93	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 23 00-0138 SF 1 Coat Primer, Sprayed, Paint Interior Acoustical Ceiling.....	0.73	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
For Backroll, Add	0.09	
09 91 23 00-0139 SF 1 Coat Paint, Sprayed, Paint Interior Acoustical Ceiling.....	0.69	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
For Backroll, Add	0.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0140	SF		2 Coats Paint, Sprayed, Paint Interior Acoustical Ceiling.....	1.14	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.44	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
			For Backroll, Add	0.14	
09 91 23 00-0141	LF		1 Coat Paint, Cut-in Brush Work, Paint Interior Acoustical Ceiling .....	0.30	
			For Oil Based Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.04	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.06	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.09	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.14	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.06	
09 91 23 00-0142			<b>Paint Interior Concrete Ceilings (09 91 23 00-0130)</b>		
09 91 23 00-0143	SF		1 Coat Filler, Brush Work, Paint Interior Concrete Ceiling .....	0.92	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0144	SF		1 Coat Paint, Brush Work, Paint Interior Concrete Ceiling.....	0.99	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0145 SF 2 Coats Paint, Brush Work, Paint Interior Concrete Ceiling.....	1.76	
For Oil Based Paint, Add	0.10	
For Epoxy Paint, Add	0.17	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.37	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.60	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.82	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.16	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.35	
09 91 23 00-0146 SF 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Ceiling.....	0.71	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0147 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Ceiling.....	0.78	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0148 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Ceiling.....	1.45	
For Oil Based Paint, Add	0.09	
For Epoxy Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.47	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.65	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.93	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0149 SF 1 Coat Filler, Sprayed, Paint Interior Concrete Ceiling.....	0.69	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
For Backroll, Add	0.08	
09 91 23 00-0150 SF 1 Coat Paint, Sprayed, Paint Interior Concrete Ceiling.....	0.69	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
For Backroll, Add	0.09	
09 91 23 00-0151 SF 2 Coats Paint, Sprayed, Paint Interior Concrete Ceiling.....	1.13	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.43	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.64	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
For Backroll, Add	0.14	
09 91 23 00-0152 SF 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Ceiling.....	0.95	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0153 SF 1 Coat Bonding Agent, Brush/Roller, Paint Interior Concrete Ceiling .....	0.74	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0154 SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Ceiling.....	0.72	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
For Backroll, Add	0.08	
09 91 23 00-0155 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Ceiling.....	0.16	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.08	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.11	
For >100 To 250, Add	0.05	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
<b>09 91 23 00-0156 Paint Interior Drywall/Plaster Ceilings (09 91 23 00-0130)</b> .....	<b>0.92</b>	
09 91 23 00-0157 SF 1 Coat Primer, Brush Work, Pain Interior Drywall/Plaster Ceiling.....	0.92	
For Epoxy Paint, Add	0.10	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0158 SF 1 Coat Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling.....	1.00	
For Epoxy Paint, Add	0.09	
For Oil Based Paint, Add	0.06	
For Orange Peel Finish, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0159 SF 2 Coats Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling.....	1.77	
For Epoxy Paint, Add	0.17	
For Oil Based Paint, Add	0.10	
For Orange Peel Finish, Add	0.25	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.38	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.60	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.83	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.17	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.35	
09 91 23 00-0160 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling.....	0.80	
For Epoxy Paint, Add	0.09	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0161 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling.....	0.78	
For Epoxy Paint, Add	0.08	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	





<b>Finishes</b>	<b>09</b>	<b>CSU</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0162 SF 2 Coats Paints, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling .....	1.45	
For Epoxy Paint, Add	0.15	
For Oil Based Paint, Add	0.09	
For Orange Peel Finish, Add	0.20	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.47	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.65	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.93	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 23 00-0163 SF 1 Coat Primer, Sprayed, Paint Interior Drywall/Plaster Ceiling .....	0.73	
For Epoxy Paint, Add	0.10	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
For Backroll, Add	0.09	
09 91 23 00-0164 SF 1 Coat Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling .....	0.69	
For Epoxy Paint, Add	0.09	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
For Backroll, Add	0.09	
09 91 23 00-0165 SF 2 Coats Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling .....	1.14	
For Epoxy Paint, Add	0.16	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.44	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
For Backroll, Add	0.14	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0166 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Drywall/Plaster Ceiling.....	0.16	
For Epoxy Paint, Add	0.01	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.08	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.11	
For >100 To 250, Add	0.05	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
 09 91 23 00-0167 Paint Interior Metal Ceilings (09 91 23 00-0130)		
09 91 23 00-0168 Galvanized Surfaces, Galvanized Primer (09 91 23 00-0167)		
Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0169 SF 1 Coat Primer, Brush Work, Paint Interior Galvanized Ceiling.....	1.15	
For Electrostatic Painting, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 23 00-0170 SF 1 Coat Paint, Brush Work, Paint Interior Galvanized Ceiling.....	1.27	
For Electrostatic Painting, Add	0.17	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.77	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 23 00-0171 SF 2 Coats Paint, Brush Work, Paint Interior Galvanized Ceiling.....	2.32	
For Electrostatic Painting, Add	0.32	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.43	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.69	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.95	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.38	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.29	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.23	
For >10,000 To 20,000, Deduct	-0.35	
For >20,000, Deduct	-0.46	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0172 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Ceiling.....	0.89	
For Electrostatic Painting, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 23 00-0173 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling.....	1.00	
For Electrostatic Painting, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0174 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling .....	1.85	
For Electrostatic Painting, Add	0.26	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.74	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.09	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.37	
09 91 23 00-0175 SF 1 Coat Primer, Sprayed, Paint Interior Galvanized Ceiling .....	0.87	
For Electrostatic Painting, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
For Backroll, Add	0.10	
09 91 23 00-0176 SF 1 Coat Paint, Sprayed, Paint Interior Galvanized Ceiling.....	1.00	
For Electrostatic Painting, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
For Backroll, Add	0.12	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0177 SF 2 Coats Paint, Sprayed, Paint Interior Galvanized Ceiling.....	1.62	
For Electrostatic Painting, Add	0.27	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.80	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
For Backroll, Add	0.17	
<b>09 91 23 00-0178 Aluminum And Aluminum Alloy Surface Pretreatment Primer (09 91 23 00-0167)</b>		
Note: Alkyd enamel paint.		
09 91 23 00-0179 SF 1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.15	
For Electrostatic Painting, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 23 00-0180 SF 1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.27	
For Electrostatic Painting, Add	0.17	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.77	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 23 00-0181 SF 2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	2.32	
For Electrostatic Painting, Add	0.32	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.43	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.69	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.95	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.38	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.29	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.23	
For >10,000 To 20,000, Deduct	-0.35	
For >20,000, Deduct	-0.46	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0182 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	0.99	
For Electrostatic Painting, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0183 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling .....	1.10	
For Electrostatic Painting, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0184 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling .....	2.08	
For Electrostatic Painting, Add	0.31	
For Work >15' To 20' Above Floor, Add	0.21	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.35	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.55	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.76	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.14	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.42	
09 91 23 00-0185 SF 1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling .....	0.87	
For Electrostatic Painting, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
For Backroll, Add	0.10	
09 91 23 00-0186 SF 1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.00	
For Electrostatic Painting, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
For Backroll, Add	0.12	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0187 SF 2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.62	
For Electrostatic Painting, Add	0.27	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.80	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
For Backroll, Add	0.17	
<b>09 91 23 00-0188 Paint Interior Ceiling Tile Grid (09 91 23 00-0187)</b>		
Note: Grid only.		
09 91 23 00-0189 LF 1 Coat Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid .....	0.24	
For Electrostatic Painting, Add	0.03	
For Work >15' To 20' Above Floor, Add	0.03	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.05	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.08	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.11	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.16	
For >100 To 250, Add	0.07	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.04	
For >20,000, Deduct	-0.05	
09 91 23 00-0190 LF 2 Coats Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid.....	0.50	
For Electrostatic Painting, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.10	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.16	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.23	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
<b>09 91 23 00-0191 Paint Interior Corrugated Metal Ceilings (09 91 23 00-0187)</b>		
09 91 23 00-0192 SF 1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Ceiling.....	1.16	
For Electrostatic Painting, Add	0.19	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
For Backroll, Add	0.13	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0193 SF 1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Ceiling.....	1.33	
For Electrostatic Painting, Add	0.20	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.72	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
For Backroll, Add	0.15	
09 91 23 00-0194 SF 2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Ceiling .....	2.16	
For Electrostatic Painting, Add	0.36	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.31	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.49	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.68	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.06	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.43	
For Backroll, Add	0.23	
<b>09 91 23 00-0195 Paint Interior Wood Ceilings (09 91 23 00-0130)</b>		
<b>09 91 23 00-0196 Paint Interior Smooth Wood Ceilings (09 91 23 00-0195)</b>		
09 91 23 00-0197 SF 1 Coat Primer, Brush Work, Paint Interior Wood Smooth Ceiling .....	1.13	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.36	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.49	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.70	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 23 00-0198 SF 1 Coat Paint, Brush Work, Paint Interior Wood Smooth Ceiling.....	1.18	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.76	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

09 91 23 00-0199	SF	2 Coats Paint, Brush Work, Paint Interior Wood Smooth Ceiling.....	2.13	
		<i>For Oil Based Paint, Add</i>	0.13	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.26	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.43	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.69	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.95	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	1.35	
		<i>For &gt;100 To 250, Add</i>	0.64	
		<i>For &gt;250 To 500, Add</i>	0.28	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.11	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.21	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.32	
		<i>For &gt;20,000, Deduct</i>	-0.43	
09 91 23 00-0200	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Smooth Wood Ceiling.....	0.91	
		<i>For Oil Based Paint, Add</i>	0.06	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.16	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.26	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.35	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.52	
		<i>For &gt;100 To 250, Add</i>	0.25	
		<i>For &gt;250 To 500, Add</i>	0.11	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14	
		<i>For &gt;20,000, Deduct</i>	-0.18	
09 91 23 00-0201	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling.....	0.99	
		<i>For Oil Based Paint, Add</i>	0.06	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.19	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.30	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.41	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.60	
		<i>For &gt;100 To 250, Add</i>	0.29	
		<i>For &gt;250 To 500, Add</i>	0.12	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
		<i>For &gt;20,000, Deduct</i>	-0.20	
09 91 23 00-0202	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling.....	1.86	
		<i>For Oil Based Paint, Add</i>	0.12	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.21	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.35	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.55	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.76	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	1.11	
		<i>For &gt;100 To 250, Add</i>	0.53	
		<i>For &gt;250 To 500, Add</i>	0.23	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.19	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.28	
		<i>For &gt;20,000, Deduct</i>	-0.37	
09 91 23 00-0203	SF	1 Coat Primer, Sprayed, Paint Interior Smooth Wood Ceiling.....	0.73	
		<i>For Oil Based Paint, Add</i>	0.05	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.08	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.13	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.21	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.29	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.42	
		<i>For &gt;100 To 250, Add</i>	0.20	
		<i>For &gt;250 To 500, Add</i>	0.09	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11	
		<i>For &gt;20,000, Deduct</i>	-0.15	
		<i>For Backroll, Add</i>	0.09	





<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0204 SF 1 Coat Paint, Sprayed, Paint Interior Smooth Wood Ceiling.....	0.87	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
For Backroll, Add	0.11	
09 91 23 00-0205 SF 2 Coats Paint, Sprayed, Paint Interior Smooth Wood Ceiling.....	1.33	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
For Backroll, Add	0.16	
09 91 23 00-0206 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Smooth Ceiling.....	0.19	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.09	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.12	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	
<b>09 91 23 00-0207 Paint Interior Wood Beams (09 91 23 00-0130)</b>		
09 91 23 00-0208 SF 1 Coat Primer, Brush Work, Paint Interior Wood Beams.....	1.25	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.40	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.56	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.79	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 23 00-0209	SF	1 Coat Paint, Brush Work, Paint Interior Wood Beams.....	1.27	
		<i>For Oil Based Paint, Add</i>	0.07	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.27	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.42	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.58	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.83	
		<i>For &gt;100 To 250, Add</i>	0.39	
		<i>For &gt;250 To 500, Add</i>	0.17	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.19	
		<i>For &gt;20,000, Deduct</i>	-0.25	
09 91 23 00-0210	SF	2 Coats Paint, Brush Work, Paint Interior Wood Beams.....	2.32	
		<i>For Oil Based Paint, Add</i>	0.14	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.29	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.48	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.76	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	1.05	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	1.49	
		<i>For &gt;100 To 250, Add</i>	0.71	
		<i>For &gt;250 To 500, Add</i>	0.31	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.12	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.23	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.35	
		<i>For &gt;20,000, Deduct</i>	-0.46	
09 91 23 00-0211	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Beams.....	1.00	
		<i>For Oil Based Paint, Add</i>	0.06	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.29	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.40	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.59	
		<i>For &gt;100 To 250, Add</i>	0.28	
		<i>For &gt;250 To 500, Add</i>	0.12	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
		<i>For &gt;20,000, Deduct</i>	-0.20	
09 91 23 00-0212	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Beams.....	0.99	
		<i>For Oil Based Paint, Add</i>	0.06	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.19	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.30	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.41	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.60	
		<i>For &gt;100 To 250, Add</i>	0.29	
		<i>For &gt;250 To 500, Add</i>	0.12	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
		<i>For &gt;20,000, Deduct</i>	-0.20	
09 91 23 00-0213	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Beams.....	1.86	
		<i>For Oil Based Paint, Add</i>	0.12	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.21	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.35	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.55	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.76	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	1.11	
		<i>For &gt;100 To 250, Add</i>	0.53	
		<i>For &gt;250 To 500, Add</i>	0.23	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.19	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.28	
		<i>For &gt;20,000, Deduct</i>	-0.37	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0214 SF 1 Coat Primer, Sprayed, Paint Interior Wood Beams.....	0.87	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
For Backroll, Add	0.11	
09 91 23 00-0215 SF 1 Coat Paint, Sprayed, Paint Interior Wood Beams.....	0.87	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
For Backroll, Add	0.11	
09 91 23 00-0216 SF 2 Coats Paint, Sprayed, Paint Interior Wood Beams.....	1.44	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.41	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.57	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.83	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
For Backroll, Add	0.18	
<b>09 91 23 00-0217 Paint Interior Floors And Decks (09 91 23)</b>		
<b>09 91 23 00-0218 Paint Interior Concrete Floors And Decks (09 91 23 00-0217)</b>		
09 91 23 00-0219 SF 1 Coat Primer, Brush Work, Paint Interior Concrete Floors And Decks.....	0.71	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0220 SF 1 Coat Paint, Brush Work, Paint Interior Concrete Floors And Decks.....	0.78	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0221	SF		2 Coats Paint, Brush Work, Paint Interior Concrete Floors And Decks.....	1.53	
			<i>For Oil Based Paint, Add</i>	0.09	
			<i>For Epoxy Paint, Add</i>	0.16	
			<i>For Up To 100, Add</i>	0.99	
			<i>For &gt;100 To 250, Add</i>	0.47	
			<i>For &gt;250 To 500, Add</i>	0.20	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.23	
			<i>For &gt;20,000, Deduct</i>	-0.31	
09 91 23 00-0222	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Floors And Decks.....	0.70	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Epoxy Paint, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.42	
			<i>For &gt;100 To 250, Add</i>	0.20	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11	
			<i>For &gt;20,000, Deduct</i>	-0.14	
09 91 23 00-0223	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks .....	0.68	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Epoxy Paint, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.43	
			<i>For &gt;100 To 250, Add</i>	0.20	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10	
			<i>For &gt;20,000, Deduct</i>	-0.14	
09 91 23 00-0224	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks .....	1.10	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Epoxy Paint, Add</i>	0.14	
			<i>For Up To 100, Add</i>	0.66	
			<i>For &gt;100 To 250, Add</i>	0.32	
			<i>For &gt;250 To 500, Add</i>	0.14	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.17	
			<i>For &gt;20,000, Deduct</i>	-0.22	
09 91 23 00-0225	SF		1 Coat Primer, Sprayed, Paint Interior Concrete Floors And Decks.....	0.57	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Epoxy Paint, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.30	
			<i>For &gt;100 To 250, Add</i>	0.15	
			<i>For &gt;250 To 500, Add</i>	0.06	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09	
			<i>For &gt;20,000, Deduct</i>	-0.11	
			<i>For Backroll, Add</i>	0.06	
09 91 23 00-0226	SF		1 Coat Paint, Sprayed, Paint Interior Concrete Floors And Decks .....	0.56	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Epoxy Paint, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.32	
			<i>For &gt;100 To 250, Add</i>	0.15	
			<i>For &gt;250 To 500, Add</i>	0.07	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.08	
			<i>For &gt;20,000, Deduct</i>	-0.11	
			<i>For Backroll, Add</i>	0.07	
09 91 23 00-0227	SF		2 Coats Paint, Sprayed, Paint Interior Concrete Floors And Decks .....	1.00	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Epoxy Paint, Add</i>	0.15	
			<i>For Up To 100, Add</i>	0.55	
			<i>For &gt;100 To 250, Add</i>	0.27	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
			<i>For &gt;20,000, Deduct</i>	-0.20	
			<i>For Backroll, Add</i>	0.12	
09 91 23 00-0228	SF		1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Floors And Decks .....	0.74	
			<i>For Up To 100, Add</i>	0.44	
			<i>For &gt;100 To 250, Add</i>	0.21	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11	
			<i>For &gt;20,000, Deduct</i>	-0.15	



<b>Finishes</b>	<b>09</b>	<b>CSU</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0229 SF 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Floors And Decks.....	0.73	
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0230 SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Floors And Decks .....	0.60	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
For Backroll, Add	0.07	
09 91 23 00-0231 SF 1 Coat Non Slip Paint, Brush Work, Paint Interior Concrete Floors And Decks.....	2.18	
For Up To 100, Add	0.71	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.44	
09 91 23 00-0232 SF 1 Coat Non Slip Epoxy Paint, Brush Work, Paint Interior Concrete Floors And Decks (Rust-Oleum® AS91864251) .....	6.38	
For Up To 100, Add	1.35	
For >100 To 250, Add	0.80	
For >250 To 500, Add	0.38	
For >2,500 To 5,000, Deduct	-0.32	
For >5,000 To 10,000, Deduct	-0.64	
For >10,000 To 20,000, Deduct	-0.96	
For >20,000, Deduct	-1.28	
09 91 23 00-0233 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Floors And Decks.....	0.13	
For Up To 100, Add	0.09	
For >100 To 250, Add	0.04	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
<b>09 91 23 00-0234 Paint Interior Wood Floors And Decks (09 91 23 00-0217)</b>		
09 91 23 00-0235 SF 1 Coat Primer, Brush Work, Paint Interior Wood Floors And Decks.....	0.89	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 23 00-0236 SF 1 Coat Paint, Brush Work, Paint Interior Wood Floors And Decks.....	0.96	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0237 SF 2 Coats Paint, Brush Work, Paint Interior Wood Floors And Decks.....	1.80	
For Oil Based Paint, Add	0.11	
For Up To 100, Add	1.10	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	
09 91 23 00-0238 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Floors And Decks.....	0.72	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	

<b>09</b>	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0239 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks .....	0.78	
<i>For Oil Based Paint, Add</i>	0.05	
<i>For Up To 100, Add</i>	0.44	
<i>For &gt;100 To 250, Add</i>	0.21	
<i>For &gt;250 To 500, Add</i>	0.09	
<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
<i>For &gt;20,000, Deduct</i>	-0.16	
09 91 23 00-0240 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks.....	1.54	
<i>For Oil Based Paint, Add</i>	0.10	
<i>For Up To 100, Add</i>	0.87	
<i>For &gt;100 To 250, Add</i>	0.42	
<i>For &gt;250 To 500, Add</i>	0.18	
<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.23	
<i>For &gt;20,000, Deduct</i>	-0.31	
09 91 23 00-0241 SF 1 Coat Primer, Sprayed, Paint Interior Wood Floors And Decks.....	0.60	
<i>For Oil Based Paint, Add</i>	0.04	
<i>For Up To 100, Add</i>	0.32	
<i>For &gt;100 To 250, Add</i>	0.16	
<i>For &gt;250 To 500, Add</i>	0.07	
<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09	
<i>For &gt;20,000, Deduct</i>	-0.12	
<i>For Backroll, Add</i>	0.07	
09 91 23 00-0242 SF 1 Coat Paint, Sprayed, Paint Interior Wood Floors And Decks.....	0.73	
<i>For Oil Based Paint, Add</i>	0.05	
<i>For Up To 100, Add</i>	0.42	
<i>For &gt;100 To 250, Add</i>	0.20	
<i>For &gt;250 To 500, Add</i>	0.09	
<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11	
<i>For &gt;20,000, Deduct</i>	-0.15	
<i>For Backroll, Add</i>	0.09	
09 91 23 00-0243 SF 2 Coats Paint, Sprayed, Paint Interior Wood Floors And Decks .....	1.08	
<i>For Oil Based Paint, Add</i>	0.07	
<i>For Up To 100, Add</i>	0.56	
<i>For &gt;100 To 250, Add</i>	0.28	
<i>For &gt;250 To 500, Add</i>	0.12	
<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16	
<i>For &gt;20,000, Deduct</i>	-0.22	
<i>For Backroll, Add</i>	0.12	
09 91 23 00-0244 SF 1 Coat Non Slip Paint, Brush Work, Paint Interior Wood Floors And Decks .....	2.18	
<i>For Up To 100, Add</i>	0.71	
<i>For &gt;100 To 250, Add</i>	0.38	
<i>For &gt;250 To 500, Add</i>	0.17	
<i>For &gt;2,500 To 5,000, Deduct</i>	-0.11	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.22	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.33	
<i>For &gt;20,000, Deduct</i>	-0.44	
09 91 23 00-0245 SF 1 Coat Non Slip Epoxy Paint, Brush Work, Paint Interior Wood Floors And Decks .....	6.38	
<i>For Up To 100, Add</i>	1.35	
<i>For &gt;100 To 250, Add</i>	0.80	
<i>For &gt;250 To 500, Add</i>	0.38	
<i>For &gt;2,500 To 5,000, Deduct</i>	-0.32	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.64	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.96	
<i>For &gt;20,000, Deduct</i>	-1.28	
09 91 23 00-0246 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Floors And Decks .....	0.15	
<i>For Up To 100, Add</i>	0.09	
<i>For &gt;100 To 250, Add</i>	0.05	
<i>For &gt;250 To 500, Add</i>	0.02	
<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.02	
<i>For &gt;20,000, Deduct</i>	-0.03	
<b>09 91 23 00-0247 Paint Interior Doors And Windows <small>(09 91 23)</small></b>		
<b>09 91 23 00-0248 Paint Interior Door Frames <small>(09 91 23 00-0247)</small></b>		
09 91 23 00-0249 LF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Door Frame And Trim.....	1.05	
<i>For Oil Based Paint, Add</i>	0.06	
<i>For Painting One Face Of Frame Only, Deduct</i>	-0.28	
09 91 23 00-0250 LF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim .....	1.35	
<i>For Oil Based Paint, Add</i>	0.07	
<i>For Painting One Face Of Frame Only, Deduct</i>	-0.36	
09 91 23 00-0251 LF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trime .....	2.29	
<i>For Oil Based Paint, Add</i>	0.13	
<i>For Painting One Face Of Frame Only, Deduct</i>	-0.60	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0252 LF 1 Coat Primer, Brush/Roller Work, Paint Interior Metal Door Frame And Trim .....	1.07	
For Oil Based Paint, Add	0.06	
For Painting One Face Of Frame Only, Deduct	-0.29	
09 91 23 00-0253 LF 1 Coat Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim .....	1.37	
For Oil Based Paint, Add	0.08	
For Painting One Face Of Frame Only, Deduct	-0.36	
09 91 23 00-0254 LF 2 Coats Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim .....	2.31	
For Oil Based Paint, Add	0.13	
For Painting One Face Of Frame Only, Deduct	-0.61	
<b>09 91 23 00-0255 Paint Interior Metal Doors (09 91 23 00-0247)</b>		
09 91 23 00-0256 EA 1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Metal Door .....	51.68	
For Electrostatic Painting, Add	8.26	
For Half Louvered Door, Add	4.66	
For Full Louvered Door, Add	7.77	
For Oil Based Paint, Add	3.61	
For >5 To 10, Deduct	-2.58	
For >10 To 25, Deduct	-5.17	
For >25, Deduct	-7.75	
09 91 23 00-0257 EA 1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Metal Door .....	51.68	
For Electrostatic Painting, Add	8.26	
For Half Louvered Door, Add	4.66	
For Full Louvered Door, Add	7.77	
For Oil Based Paint, Add	3.61	
For >5 To 10, Deduct	-2.58	
For >10 To 25, Deduct	-5.17	
For >25, Deduct	-7.75	
09 91 23 00-0258 EA 2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Metal Door .....	93.43	
For Electrostatic Painting, Add	15.49	
For Half Louvered Door, Add	7.87	
For Full Louvered Door, Add	13.12	
For Oil Based Paint, Add	6.72	
For >5 To 10, Deduct	-4.67	
For >10 To 25, Deduct	-9.34	
For >25, Deduct	-14.01	
09 91 23 00-0259 EA 1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Metal Door .....	92.73	
For Electrostatic Painting, Add	14.83	
For Half Louvered Door, Add	8.36	
For Full Louvered Door, Add	13.93	
For Oil Based Paint, Add	6.49	
For >5 To 10, Deduct	-4.64	
For >10 To 25, Deduct	-9.27	
For >25, Deduct	-13.91	
09 91 23 00-0260 EA 1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door .....	92.74	
For Electrostatic Painting, Add	14.83	
For Half Louvered Door, Add	8.36	
For Full Louvered Door, Add	13.93	
For Oil Based Paint, Add	6.49	
For >5 To 10, Deduct	-4.64	
For >10 To 25, Deduct	-9.27	
For >25, Deduct	-13.91	
09 91 23 00-0261 EA 2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door .....	168.31	
For Electrostatic Painting, Add	27.94	
For Half Louvered Door, Add	14.14	
For Full Louvered Door, Add	23.56	
For Oil Based Paint, Add	12.12	
For >5 To 10, Deduct	-8.42	
For >10 To 25, Deduct	-16.83	
For >25, Deduct	-25.25	
09 91 23 00-0262 EA 1 Coat Primer, Sprayed, One Face, Paint Interior Metal Door .....	45.49	
For Electrostatic Painting, Add	7.95	
For Half Louvered Door, Add	3.42	
For Full Louvered Door, Add	5.71	
For Oil Based Paint, Add	3.41	
For >5 To 10, Deduct	-2.27	
For >10 To 25, Deduct	-4.55	
For >25, Deduct	-6.82	
For Backroll, Add	4.56	
09 91 23 00-0263 EA 1 Coat Paint, Sprayed, One Face, Paint Interior Metal Door .....	45.49	
For Electrostatic Painting, Add	7.95	
For Half Louvered Door, Add	3.42	
For Full Louvered Door, Add	5.71	
For Oil Based Paint, Add	3.41	
For >5 To 10, Deduct	-2.27	
For >10 To 25, Deduct	-4.55	
For >25, Deduct	-6.82	
For Backroll, Add	4.56	
09 91 23 00-0264 EA 2 Coats Paint, Sprayed, One Face, Paint Interior Metal Door .....	83.59	
For Electrostatic Painting, Add	15.12	
For Half Louvered Door, Add	5.78	
For Full Louvered Door, Add	9.64	
For Oil Based Paint, Add	6.43	
For >5 To 10, Deduct	-4.18	
For >10 To 25, Deduct	-8.36	
For >25, Deduct	-12.54	
For Backroll, Add	8.03	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0265 EA 1 Coat Primer, Sprayed, Both Faces, Paint Interior Metal Door.....	81.65	
For Electrostatic Painting, Add	14.27	
For Half Louvered Door, Add	6.14	
For Full Louvered Door, Add	10.23	
For Oil Based Paint, Add	6.12	
For >5 To 10, Deduct	-4.08	
For >10 To 25, Deduct	-8.17	
For >25, Deduct	-12.25	
For Backroll, Add	8.17	
09 91 23 00-0266 EA 1 Coat Paint, Sprayed, Both Faces, Paint Interior Metal Door.....	81.65	
For Electrostatic Painting, Add	14.27	
For Half Louvered Door, Add	6.14	
For Full Louvered Door, Add	10.23	
For Oil Based Paint, Add	6.12	
For >5 To 10, Deduct	-4.08	
For >10 To 25, Deduct	-8.17	
For >25, Deduct	-12.25	
For Backroll, Add	8.17	
09 91 23 00-0267 EA 2 Coats Paint, Sprayed, Both Faces, Paint Interior Metal Door.....	150.71	
For Electrostatic Painting, Add	27.29	
For Half Louvered Door, Add	10.39	
For Full Louvered Door, Add	17.31	
For Oil Based Paint, Add	11.61	
For >5 To 10, Deduct	-7.54	
For >10 To 25, Deduct	-15.07	
For >25, Deduct	-22.61	
For Backroll, Add	14.46	
<b>09 91 23 00-0268 Paint Interior Wood Doors (09 91 23 00-0247)</b>		
09 91 23 00-0269 EA 1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Wood Door.....	47.29	
For Oil Based Paint, Add	3.18	
For Half Louvered Door, Add	4.66	
For Full Louvered Door, Add	7.77	
For >5 To 10, Deduct	-2.36	
For >10 To 25, Deduct	-4.73	
For >25, Deduct	-7.09	
09 91 23 00-0270 EA 1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Wood Door.....	47.29	
For Oil Based Paint, Add	3.18	
For Half Louvered Door, Add	4.66	
For Full Louvered Door, Add	7.77	
For >5 To 10, Deduct	-2.36	
For >10 To 25, Deduct	-4.73	
For >25, Deduct	-7.09	
09 91 23 00-0271 EA 2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Wood Door.....	84.71	
For Oil Based Paint, Add	5.85	
For Half Louvered Door, Add	7.87	
For Full Louvered Door, Add	13.12	
For >5 To 10, Deduct	-4.24	
For >10 To 25, Deduct	-8.47	
For >25, Deduct	-12.71	
09 91 23 00-0272 EA 1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Wood Door.....	84.86	
For Oil Based Paint, Add	5.70	
For Half Louvered Door, Add	8.36	
For Full Louvered Door, Add	13.93	
For >5 To 10, Deduct	-4.24	
For >10 To 25, Deduct	-8.49	
For >25, Deduct	-12.73	
09 91 23 00-0273 EA 1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door.....	84.86	
For Oil Based Paint, Add	5.70	
For Half Louvered Door, Add	8.36	
For Full Louvered Door, Add	13.93	
For >5 To 10, Deduct	-4.24	
For >10 To 25, Deduct	-8.49	
For >25, Deduct	-12.73	
09 91 23 00-0274 EA 2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door.....	152.54	
For Oil Based Paint, Add	10.54	
For Half Louvered Door, Add	14.14	
For Full Louvered Door, Add	23.56	
For >5 To 10, Deduct	-7.63	
For >10 To 25, Deduct	-15.25	
For >25, Deduct	-22.88	
09 91 23 00-0275 EA 1 Coat Primer, Sprayed, One Face, Paint Interior Wood Door.....	40.66	
For Oil Based Paint, Add	2.93	
For Half Louvered Door, Add	3.42	
For Full Louvered Door, Add	5.71	
For >5 To 10, Deduct	-2.03	
For >10 To 25, Deduct	-4.07	
For >25, Deduct	-6.10	
For Backroll, Add	4.32	





<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0276 EA 1 Coat Paint, Sprayed, One Face, Paint Interior Wood Door.....	40.66	
For Oil Based Paint, Add	2.93	
For Half Louvered Door, Add	3.42	
For Full Louvered Door, Add	5.71	
For >5 To 10, Deduct	-2.03	
For >10 To 25, Deduct	-4.07	
For >25, Deduct	-6.10	
For Backroll, Add	4.32	
09 91 23 00-0277 EA 2 Coats Paint, Sprayed, One Face, Paint Interior Wood Door.....	74.01	
For Oil Based Paint, Add	5.47	
For Half Louvered Door, Add	5.78	
For Full Louvered Door, Add	9.64	
For >5 To 10, Deduct	-3.70	
For >10 To 25, Deduct	-7.40	
For >25, Deduct	-11.10	
For Backroll, Add	7.56	
09 91 23 00-0278 EA 1 Coat Primer, Sprayed, Both Faces, Paint Interior Wood Door.....	72.98	
For Oil Based Paint, Add	5.25	
For Half Louvered Door, Add	6.14	
For Full Louvered Door, Add	10.23	
For >5 To 10, Deduct	-3.65	
For >10 To 25, Deduct	-7.30	
For >25, Deduct	-10.95	
For Backroll, Add	7.74	
09 91 23 00-0279 EA 1 Coat Paint, Sprayed, Both Faces, Paint Interior Wood Door.....	72.98	
For Oil Based Paint, Add	5.25	
For Half Louvered Door, Add	6.14	
For Full Louvered Door, Add	10.23	
For >5 To 10, Deduct	-3.65	
For >10 To 25, Deduct	-7.30	
For >25, Deduct	-10.95	
For Backroll, Add	7.74	
09 91 23 00-0280 EA 2 Coats Paint, Sprayed, Both Faces, Paint Interior Wood Door.....	133.36	
For Oil Based Paint, Add	9.87	
For Half Louvered Door, Add	10.39	
For Full Louvered Door, Add	17.31	
For >5 To 10, Deduct	-6.67	
For >10 To 25, Deduct	-13.34	
For >25, Deduct	-20.00	
For Backroll, Add	13.59	
<b>09 91 23 00-0281 Paint Interior Metal Windows (09 91 23 00-0247)</b>		
Note: Two finish coats paint over rust inhibitive primer.		
09 91 23 00-0282 EA Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work.....	83.33	
For Oil Based Paint, Add	4.85	
For Electrostatic Painting, Add	10.39	
For >5 To 10, Deduct	-4.17	
For >10 To 25, Deduct	-8.33	
For >25, Deduct	-12.50	
09 91 23 00-0283 EA >8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work.....	101.49	
For Oil Based Paint, Add	6.13	
For Electrostatic Painting, Add	13.32	
For >5 To 10, Deduct	-5.07	
For >10 To 25, Deduct	-10.15	
For >25, Deduct	-15.22	
09 91 23 00-0284 EA >14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work.....	137.17	
For Oil Based Paint, Add	8.36	
For Electrostatic Painting, Add	18.22	
For >5 To 10, Deduct	-6.86	
For >10 To 25, Deduct	-13.72	
For >25, Deduct	-20.58	
09 91 23 00-0285 EA >20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work.....	154.50	
For Oil Based Paint, Add	9.42	
For Electrostatic Painting, Add	20.54	
For >5 To 10, Deduct	-7.73	
For >10 To 25, Deduct	-15.45	
For >25, Deduct	-23.18	
09 91 23 00-0286 EA >26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work.....	171.27	
For Oil Based Paint, Add	10.43	
For Electrostatic Painting, Add	22.73	
For >5 To 10, Deduct	-8.56	
For >10 To 25, Deduct	-17.13	
For >25, Deduct	-25.69	
09 91 23 00-0287 SF >34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work.....	5.44	
For Oil Based Paint, Add	0.33	
For Electrostatic Painting, Add	0.72	
<b>09 91 23 00-0288 Paint Interior Wood Windows (09 91 23 00-0247)</b>		
Note: Two finish coats paint over primer.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0289	EA		Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work .....	80.42	
			<i>For Oil Based Paint, Add</i> .....	4.56	
			<i>For &gt;5 To 10, Deduct</i> .....	-4.02	
			<i>For &gt;10 To 25, Deduct</i> .....	-8.04	
			<i>For &gt;25, Deduct</i> .....	-12.06	
09 91 23 00-0290	EA		>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work .....	96.99	
			<i>For Oil Based Paint, Add</i> .....	5.68	
			<i>For &gt;5 To 10, Deduct</i> .....	-4.85	
			<i>For &gt;10 To 25, Deduct</i> .....	-9.70	
			<i>For &gt;25, Deduct</i> .....	-14.55	
09 91 23 00-0291	EA		>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work .....	135.62	
			<i>For Oil Based Paint, Add</i> .....	7.96	
			<i>For &gt;5 To 10, Deduct</i> .....	-6.78	
			<i>For &gt;10 To 25, Deduct</i> .....	-13.56	
			<i>For &gt;25, Deduct</i> .....	-20.34	
09 91 23 00-0292	EA		>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work .....	152.71	
			<i>For Oil Based Paint, Add</i> .....	8.97	
			<i>For &gt;5 To 10, Deduct</i> .....	-7.64	
			<i>For &gt;10 To 25, Deduct</i> .....	-15.27	
			<i>For &gt;25, Deduct</i> .....	-22.91	
09 91 23 00-0293	EA		>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work .....	163.32	
			<i>For Oil Based Paint, Add</i> .....	9.64	
			<i>For &gt;5 To 10, Deduct</i> .....	-8.17	
			<i>For &gt;10 To 25, Deduct</i> .....	-16.33	
			<i>For &gt;25, Deduct</i> .....	-24.50	
09 91 23 00-0294	SF		>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work .....	5.45	
			<i>For Oil Based Paint, Add</i> .....	0.32	
<b>09 91 23 00-0295</b>			<b>Paint Interior Security Screens</b> (09 91 23 00-0247) .....		
09 91 23 00-0296	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Security Screen .....	1.32	
			<i>For Oil Based Paint, Add</i> .....	0.08	
			<i>For Electrostatic Painting, Add</i> .....	0.18	
09 91 23 00-0297	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Security Screen .....	1.33	
			<i>For Oil Based Paint, Add</i> .....	0.08	
			<i>For Electrostatic Painting, Add</i> .....	0.17	
09 91 23 00-0298	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Security Screen .....	2.20	
			<i>For Oil Based Paint, Add</i> .....	0.13	
			<i>For Electrostatic Painting, Add</i> .....	0.28	
<b>09 91 23 00-0299</b>			<b>Paint Interior Window Guards</b> (09 91 23 00-0247) .....		
09 91 23 00-0300	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Guards .....	1.32	
			<i>For Oil Based Paint, Add</i> .....	0.08	
09 91 23 00-0301	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Guards .....	1.33	
			<i>For Oil Based Paint, Add</i> .....	0.08	
09 91 23 00-0302	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Guards .....	2.20	
			<i>For Oil Based Paint, Add</i> .....	0.13	
<b>09 91 23 00-0303</b>			<b>Paint Interior Window Trim</b> (09 91 23 00-0247) .....		
09 91 23 00-0304	LF		1 Coat Primer, Brush/Roller Work, Paint Interior Wood Window Frame And Trim .....	1.29	
			<i>For Oil Based Paint, Add</i> .....	0.08	
			<i>For Painting One Face Of Frame Only, Deduct</i> .....	-0.37	
09 91 23 00-0305	LF		1 Coat Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim .....	1.29	
			<i>For Oil Based Paint, Add</i> .....	0.08	
			<i>For Painting One Face Of Frame Only, Deduct</i> .....	-0.37	
09 91 23 00-0306	LF		2 Coats Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim .....	2.80	
			<i>For Oil Based Paint, Add</i> .....	0.17	
			<i>For Painting One Face Of Frame Only, Deduct</i> .....	-0.79	
09 91 23 00-0307	LF		1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Frame And Trim .....	1.44	
			Note: Brush/roller work.		
			<i>For Painting One Face Of Frame Only, Deduct</i> .....	-0.43	
09 91 23 00-0308	LF		1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim .....	1.44	
			Note: Brush/roller work.		
			<i>For Painting One Face Of Frame Only, Deduct</i> .....	-0.43	
09 91 23 00-0309	LF		2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim .....	3.09	
			Note: Brush/roller work.		
			<i>For Painting One Face Of Frame Only, Deduct</i> .....	-0.91	
<b>09 91 23 00-0310</b>			<b>Paint Interior Cabinets And Casework</b> (09 91 23) .....		
<b>09 91 23 00-0311</b>			<b>Paint Interior Wood Cabinets And Casework</b> (09 91 23 00-0310) .....		
09 91 23 00-0312	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework .....	1.16	
			<i>For &gt;5,000 To 10,000, Deduct</i> .....	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i> .....	-0.12	
			<i>For &gt;20,000, Deduct</i> .....	-0.17	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0313 SF 1 Coat Enamel Primer And 1 Coat Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework.....	1.60	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16	
<i>For &gt;20,000, Deduct</i>	-0.24	
09 91 23 00-0314 SF 1 Coat Enamel Primer And 2 Coats Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework.....	2.65	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.27	
<i>For &gt;20,000, Deduct</i>	-0.40	
<b>09 91 23 00-0315 Paint Exposed Metal Lockers</b> (09 91 23 00-0310)		
09 91 23 00-0316 SF 1 Coat Primer, Brush/Roller Work, Paint Exposed Metal Locker .....	1.23	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
<i>For &gt;20,000, Deduct</i>	-0.18	
09 91 23 00-0317 SF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker.....	1.22	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
<i>For &gt;20,000, Deduct</i>	-0.18	
09 91 23 00-0318 SF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker.....	2.27	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.23	
<i>For &gt;20,000, Deduct</i>	-0.34	
<b>09 91 23 00-0319 Paint Interior Stairs</b> (09 91 23)		
<b>09 91 23 00-0320 Paint Interior Concrete Stairs</b> (09 91 23 00-0319)		
Note: Includes the riser and tread.		
09 91 23 00-0321 RSR 1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) .....	16.05	
09 91 23 00-0322 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide).....	16.05	
09 91 23 00-0323 RSR 1 Coat Non Slip Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) .....	14.18	
Note: Excludes riser.		
09 91 23 00-0324 RSR 1 Coat Non Slip Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) .....	30.96	
Note: Excludes riser.		
09 91 23 00-0325 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) .....	32.10	
<b>09 91 23 00-0326 Paint Interior Metal Stairs</b> (09 91 23 00-0319)		
Note: Includes the riser and tread.		
09 91 23 00-0327 RSR 1 Coat Primer, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide) .....	8.80	
09 91 23 00-0328 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide).....	8.47	
09 91 23 00-0329 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide).....	16.95	
<b>09 91 23 00-0330 Paint Interior Wood Stairs</b> (09 91 23 00-0319)		
Note: Includes the riser and tread.		
09 91 23 00-0331 RSR 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) .....	8.32	
09 91 23 00-0332 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide).....	8.32	
09 91 23 00-0333 RSR 1 Coat Non Slip Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) .....	10.30	
Note: Excludes riser.		
09 91 23 00-0334 RSR 1 Coat Non Slip Epoxy Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) .....	27.08	
Note: Excludes riser.		
09 91 23 00-0335 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) .....	16.63	
<b>09 91 23 00-0336 Paint Interior Stair Nosing</b> (09 91 23 00-0319)		
09 91 23 00-0337 LF 1 Coat Paint, Up To 2", Non Slip, Brush Work, Paint Interior Yellow Stair Safety Strip .....	1.43	
<b>09 91 23 00-0338 Paint Interior Trim</b> (09 91 23)		
<b>09 91 23 00-0339 Paint Interior Metal Trim</b> (09 91 23 00-0338)		
09 91 23 00-0340 SF 1 Coat Primer, Brush Work, Paint Interior Exposed Metal Trim .....	1.11	
<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.14	
<i>Note: Applied only to work area above 15' to 20'.</i>		
<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.23	
<i>Note: Applied only to work area above 20' to 30'.</i>		
<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.36	
<i>Note: Applied only to work area above 30' to 40'.</i>		
<i>For Work &gt;40' Above Floor, Add</i>	0.50	
<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0341 SF 1 Coat Paint, Brush Work, Paint Interior Exposed Metal Trim .....	1.21	
<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.15	
<i>Note: Applied only to work area above 15' to 20'.</i>		
<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.25	
<i>Note: Applied only to work area above 20' to 30'.</i>		
<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.40	
<i>Note: Applied only to work area above 30' to 40'.</i>		
<i>For Work &gt;40' Above Floor, Add</i>	0.56	
<i>Note: Applied only to work area above 40'.</i>		

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0342 SF 2 Coats Paint, Brush Work, Paint Interior Exposed Metal Trim.....	2.17	
For Work >15' To 20' Above Floor, Add	0.27	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.45	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.71	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.98	
Note: Applied only to work area above 40'.		
09 91 23 00-0343 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Exposed Metal Trim.....	0.93	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.29	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.40	
Note: Applied only to work area above 40'.		
09 91 23 00-0344 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim.....	1.01	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
09 91 23 00-0345 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim.....	1.82	
For Work >15' To 20' Above Floor, Add	0.21	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.36	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.57	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.79	
Note: Applied only to work area above 40'.		
<b>09 91 23 00-0346 Paint Interior Wood Trim</b> <small>(09 91 23 00-0338)</small>		
09 91 23 00-0347 LF 1 Coat Primer, Brush Work, Paint Interior Wood Trim To 6" Wide.....	0.71	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.04	
09 91 23 00-0348 LF 1 Coat Paint, Brush Work, Paint Interior Wood Trim To 6" Wide.....	0.79	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.04	
09 91 23 00-0349 LF 2 Coats Paint, Brush Work, Paint Interior Wood Trim To 6" Wide.....	1.65	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.38	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.61	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.84	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.09	
09 91 23 00-0350 SF 1 Coat Primer, Brush Work, Paint Interior Wood Trim.....	2.22	
For Work >15' To 20' Above Floor, Add	0.29	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.48	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.76	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.05	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.13	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0351 SF 1 Coat Paint, Brush Work, Paint Interior Wood Trim.....	2.46	
For Work >15' To 20' Above Floor, Add	0.32	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.53	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.85	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.17	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.14	
09 91 23 00-0352 SF 2 Coats Paint, Brush Work, Paint Interior Wood Trim.....	4.48	
For Work >15' To 20' Above Floor, Add	0.57	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.95	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	1.52	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	2.08	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.26	
09 91 23 00-0353 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Trim.....	1.83	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.38	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.61	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.84	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.11	
09 91 23 00-0354 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Trim .....	2.04	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.43	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.68	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.94	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.12	
09 91 23 00-0355 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Trim.....	3.69	
For Work >15' To 20' Above Floor, Add	0.45	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.75	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	1.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.65	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.22	
<b>09 91 23 00-0356 Paint Additives (09 91 23)</b>		
09 91 23 00-0357 SF Mildewcide/Mold Killing Paint Additive Per Each Coat.....	0.02	
09 91 23 00-0358 SF Class "B" Fire Rating, Fire Resistant Paint Additive .....	0.08	
For Class "A" Fire Rating, Add	0.08	
<b>09 91 23 00-0359 Hand Painting Letters/Numbers (09 91 23)</b>		
Note: Painting on walls, floors, poles, signs, etc.		
09 91 23 00-0360 EA Up To 1" High, Hand Paint, Per Letter/Number .....	2.22	
09 91 23 00-0361 EA 1" To 2" High, Hand Paint, Per Letter/Number.....	2.57	
09 91 23 00-0362 EA 2" To 3" High, Hand Paint, Per Letter/Number.....	3.90	
09 91 23 00-0363 EA 3" To 4" High, Hand Paint, Per Letter/Number.....	4.76	
09 91 23 00-0364 EA 4" To 6" High, Hand Paint, Per Letter/Number.....	6.56	
09 91 23 00-0365 EA 6" To 12" High, Hand Paint, Per Letter/Number.....	8.31	
09 91 23 00-0366 EA Over 12" High, Hand Paint, Per Letter/Number .....	9.74	
<b>09 91 23 00-0367 Glove/Mitt Application (09 91 23)</b>		
<b>09 91 23 00-0368 Conduit/Pipe (09 91 23 00-0367)</b>		
09 91 23 00-0369 CSF Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt.....	41.80	
For Work >15' To 20' Above Floor, Add	5.79	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	9.64	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	15.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	21.21	
Note: Applied only to work area above 40'.		

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0370 CSF Metal Primer Conduit Or Pipe With Glove/Mitt.....	72.37	
For Work >15' To 20' Above Floor, Add	6.94	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	11.57	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	18.51	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	25.45	
Note: Applied only to work area above 40'.		
09 91 23 00-0371 CSF Enamel Paint, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt.....	57.44	
For Work >15' To 20' Above Floor, Add	5.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	8.49	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	13.58	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	18.67	
Note: Applied only to work area above 40'.		
09 91 23 00-0372 CSF Enamel Paint, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt.....	47.47	
For Work >15' To 20' Above Floor, Add	3.82	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	6.37	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	10.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	14.00	
Note: Applied only to work area above 40'.		
09 91 23 00-0373 CSF Epoxy Paint, First Coat Conduit Or Pipe With Glove/Mitt.....	91.63	
For Work >15' To 20' Above Floor, Add	5.79	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	9.64	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	15.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	21.21	
Note: Applied only to work area above 40'.		
09 91 23 00-0374 CSF Epoxy Paint, Second Coat Conduit Or Pipe With Glove/Mitt .....	84.81	
For Work >15' To 20' Above Floor, Add	5.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	8.49	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	13.58	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	18.67	
Note: Applied only to work area above 40'.		
<b>09 91 23 00-0375 Ductwork</b> <small>(09 91 23 00-0367)</small>		
09 91 23 00-0376 CSF Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt.....	41.80	
For Work >15' To 20' Above Floor, Add	5.79	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	9.64	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	15.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	21.21	
Note: Applied only to work area above 40'.		
09 91 23 00-0377 CSF Metal Primer Ductwork With Glove/Mitt .....	65.33	
For Work >15' To 20' Above Floor, Add	5.79	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	9.64	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	15.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	21.21	
Note: Applied only to work area above 40'.		
09 91 23 00-0378 CSF Enamel Paint, Oil Base Paint Ductwork With Glove/Mitt.....	52.19	
For Work >15' To 20' Above Floor, Add	4.63	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	7.71	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	12.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	16.97	
Note: Applied only to work area above 40'.		
09 91 23 00-0379 CSF Epoxy Paint, First Coat Ductwork With Glove/Mitt.....	87.82	
For Work >15' To 20' Above Floor, Add	5.79	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	9.64	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	15.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	21.21	
Note: Applied only to work area above 40'.		



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0380 CSF Epoxy Paint, Second Coat Ductwork With Glove/Mitt.....	77.03	
For Work >15' To 20' Above Floor, Add	4.63	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	7.71	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	12.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	16.97	
Note: Applied only to work area above 40'.		
<b>09 91 23 00-0381 Paint Interior Miscellaneous Metal Surfaces (09 91 23)</b>		
09 91 23 00-0382 SF 1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	0.76	
For Electrostatic Painting, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0383 SF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	0.91	
For Electrostatic Painting, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 23 00-0384 SF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	1.57	
For Electrostatic Painting, Add	0.20	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.32	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.51	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.70	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.00	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.31	
09 91 23 00-0385 SF 1 Coat Alkyd Anticorrosive Metal Primer, Sprayed, Paint Interior Miscellaneous Metal Surfaces.....	1.03	
For Electrostatic Painting, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.64	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.21	
For Backroll, Add	0.13	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

09 91 23 00-0386	SF	1 Coat Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces .....	1.03
		<i>For Electrostatic Painting, Add</i>	0.14
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.20
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.32
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.45
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.64
		<i>For &gt;100 To 250, Add</i>	0.31
		<i>For &gt;250 To 500, Add</i>	0.13
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15
		<i>For &gt;20,000, Deduct</i>	-0.21
		<i>For Backroll, Add</i>	0.13
09 91 23 00-0387	SF	2 Coats Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces.....	1.59
		<i>For Electrostatic Painting, Add</i>	0.21
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.19
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.31
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.50
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.69
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.99
		<i>For &gt;100 To 250, Add</i>	0.47
		<i>For &gt;250 To 500, Add</i>	0.20
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.16
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.24
		<i>For &gt;20,000, Deduct</i>	-0.32
		<i>For Backroll, Add</i>	0.20
09 91 23 00-0388	LF	1 Coat Alkyd Enamel, Cut-in Brush Work, Paint Interior Miscellaneous Exposed Metal.....	0.15
		<i>For Electrostatic Painting, Add</i>	0.02
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.02
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.03
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.05
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.07
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.09
		<i>For &gt;100 To 250, Add</i>	0.05
		<i>For &gt;250 To 500, Add</i>	0.02
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.02
		<i>For &gt;20,000, Deduct</i>	-0.03

**09 91 33 Painting Materials (09 91)**

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

<b>09 91 33 00-0001</b>	<b>Primer (09 91 33)</b>		
09 91 33 00-0002	GAL	Alkyd Primer/Sealer, Interior, 500 SF Per Gallon.....	50.97
09 91 33 00-0003	GAL	Alkyd Wood Primer, Exterior, 400 SF Per Gallon .....	39.35
09 91 33 00-0004	GAL	Prime Coat Oil Wood Primer, 310 SF Per Gallon .....	49.89
09 91 33 00-0005	GAL	Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon.....	116.64
09 91 33 00-0006	EA	Cement Base Primer, 25 LB Sack .....	41.15
09 91 33 00-0007	GAL	Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon.....	63.43
09 91 33 00-0008	GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon .....	50.92
09 91 33 00-0009	GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon.....	39.35
09 91 33 00-0010	GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon.....	35.75
09 91 33 00-0011	GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon .....	63.01
09 91 33 00-0012	GAL	Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon.....	52.46
09 91 33 00-0013	GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon.....	52.46
09 91 33 00-0014	GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon .....	59.15
09 91 33 00-0015	GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon.....	38.58
09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon.....	87.24
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon.....	41.15
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon .....	32.92
09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon.....	85.12
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base.....	53.08
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon.....	59.89
<b>09 91 33 00-0022</b>	<b>Paint (09 91 33)</b>		
09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon .....	28.80
09 91 33 00-0024	GAL	Acrylic Urethane Sealer .....	142.81





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91	33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type ..... Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.	15.43	
	09 91	33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon.....	89.24	
	09 91	33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon.....	46.80	
	09 91	33 00-0028	GAL	Tar Emulsion, Driveway Coating, 120 SF Per Gallon.....	15.43	
	09 91	33 00-0029	GAL	Acrylic Latex, Driveway Coating, 250 SF Per Gallon.....	23.40	
	09 91	33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon.....	47.32	
	09 91	33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon.....	63.01	
	09 91	33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon.....	51.43	
	09 91	33 00-0033	GAL	Exterior, Flat, Oil Base.....	47.15	
	09 91	33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon.....	44.75	
	09 91	33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon.....	52.72	
	09 91	33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon.....	46.80	
	09 91	33 00-0037	GAL	Exterior, Water Base, Latex Gloss Enamel.....	66.62	
	09 91	33 00-0038	GAL	Cold Galvanizing Paint.....	339.53	
	09 91	33 00-0039	GAL	High Heat Paint.....	123.51	
	09 91	33 00-0040	GAL	Heat Resistant Paint.....	82.34	
	09 91	33 00-0041	GAL	Zinc Chromate Paint.....	74.50	
	09 91	33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart.....	29.41	
	09 91	33 00-0043	GAL	Rust Inhibitor, Ferrous Metal.....	82.34	
	09 91	33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon.....	46.80	
	09 91	33 00-0045	GAL	Alkyd Latex, Black.....	55.54	
	09 91	33 00-0046	GAL	Alkyd Latex, White.....	55.54	
	09 91	33 00-0047	GAL	Alkyd Latex, Colors.....	66.98	
	09 91	33 00-0048	QT	Wrought Iron Paint, Black.....	75.15	
	09 91	33 00-0049	GAL	Vinyl Paint.....	78.69	
	09 91	33 00-0050	GAL	Silicone Alkyd.....	95.67	
	09 91	33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy.....	97.21	
	09 91	33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy.....	121.90	
	09 91	33 00-0053	GAL	Chlorinated Rubber.....	89.49	
	09 91	33 00-0054	GAL	Polyamide Epoxy Sealer.....	92.58	
	09 91	33 00-0055	GAL	Coal Tar Epoxy.....	66.35	
	09 91	33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon.....	82.81	
	09 91	33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base.....	108.01	
	09 91	33 00-0058	GAL	Swimming Pool Rubber Base.....	74.06	
	09 91	33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon.....	47.06	
	09 91	33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon.....	52.72	
	09 91	33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon.....	96.44	
	09 91	33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon.....	32.66	
	09 91	33 00-0063	GAL	Linseed Oil.....	28.55	
	09 91	33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon.....	46.80	
	09 91	33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon.....	52.72	
	09 91	33 00-0066	GAL	Textured Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon.....	48.22	
	09 91	33 00-0067	GAL	Acoustic Spray-On Texture, Finish.....	38.75	
	09 91	33 00-0068		<b>Stain, Varnish</b> <small>(09 91 33)</small>		
	09 91	33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon.....	26.75	
	09 91	33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon.....	49.89	
	09 91	33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon.....	44.49	
	09 91	33 00-0072	GAL	Varnish, Clear.....	39.36	
	09 91	33 00-0073	GAL	Penetrating Water-Repellent Stain.....	28.59	
	09 91	33 00-0074	GAL	Redwood Hue Or Clear Stain.....	25.55	
	09 91	33 00-0075	GAL	Polyurethane.....	44.85	
	09 91	33 00-0076	GAL	Lacquer, Semi-Gloss.....	46.94	
	09 91	33 00-0077	GAL	Shellac, Clear.....	61.58	
	09 91	33 00-0078	GAL	Acetone.....	20.32	
	09 91	33 00-0079	GAL	Paint Thinner.....	5.01	
	09 91	33 00-0080	GAL	Shellac Or Lacquer Thinner.....	20.57	
	09 91	33 00-0081	GAL	Turpentine.....	28.29	
	09 91	33 00-0082	GAL	Wood Filler Paste.....	48.35	
	09 91	33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon.....	38.58	
	09 91	33 00-0084	GAL	Waterbased Alkyd Urethane (Sherwin Williams B53W01153).....	99.50	
	09 91	43		<b>Surface Preparation</b> <small>(09 91)</small>		
				See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.		
	09 91	43 00-0001		<b>Protection Of Surfaces</b> <small>(09 91 43)</small>		
	09 91	43 00-0002	SF	Drop Cloths..... Note: Remove after use.	0.37	
	09 91	43 00-0003	LF	Painter Masking Tape..... Note: Remove after use.	0.25	
	09 93			<b>Staining and Transparent Finishing</b> <small>(09 90)</small>		
				Note: Includes light sanding or screening between coats.		
	09 93	13		<b>Exterior Staining and Finishing</b> <small>(09 93)</small>		
	09 93	13 53		<b>Exterior Finishing</b> <small>(09 93 13)</small>		

<b>09</b>	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 93 Staining and Transparent Finishing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 93 13 53-0001 Stain Sealer</b> <small>(09 93 13 53)</small> Note: Measured by surface area of wall or ceiling.		
09 93 13 53-0002 SF Stain Sealer, Brush Work.....	0.87	
For Ceiling Work, Add	0.11	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 93 13 53-0003 SF Stain Sealer, Brush/Roller Work .....	0.70	
For Ceiling Work, Add	0.09	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.04	
For >20,000, Deduct	-0.06	
09 93 13 53-0004 SF Stain Sealer, Sprayed.....	0.29	
For Ceiling Work, Add	0.03	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
<b>09 93 23 Interior Staining and Finishing</b> <small>(09 93)</small> Note: VOC compliant in all regulated areas, review specifications for levels.		
<b>09 93 23 13 Interior Staining</b> <small>(09 93 23)</small>		
<b>09 93 23 13-0001 Stain Wood Trim</b> <small>(09 93 23 13)</small>		
09 93 23 13-0002 LF Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off.....	1.04	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >4,000, Deduct	-0.05	
09 93 23 13-0003 SF Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off.....	1.54	
For Up To 100, Add	1.08	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >4,000, Deduct	-0.08	
<b>09 93 23 13-0004 Stain Wood Floor</b> <small>(09 93 23 13)</small>		
09 93 23 13-0005 SF Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work.....	0.50	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >4,000, Deduct	-0.03	
09 93 23 13-0006 SF Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work .....	0.38	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >4,000, Deduct	-0.02	
<b>09 93 23 13-0007 Stain Wood Door And Window</b> <small>(09 93 23 13)</small>		
09 93 23 13-0008 EA Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face) .....	49.83	
For Up To 4, Add	36.17	
For >4 To 10, Add	16.94	
For >10 To 20, Add	7.27	
For >160, Deduct	-2.49	
09 93 23 13-0009 EA Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face).....	35.72	
For Up To 4, Add	25.03	
For >4 To 10, Add	11.77	
For >10 To 20, Add	5.06	
For >160, Deduct	-1.79	
<b>09 93 23 13-0010 Stain Wood Cabinet</b> <small>(09 93 23 13)</small>		
09 93 23 13-0011 SF Stain Cabinet, 1 Coat Stain With Brush And Wipe.....	1.25	
<b>09 93 23 53 Interior Finishing</b> <small>(09 93 23)</small>		
<b>09 93 23 53-0001 Concrete Finishes</b> <small>(09 93 23 53)</small>		
09 93 23 53-0002 SF Finish Concrete Floor, 1 Coat Polyurethane .....	0.76	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >4,000, Deduct	-0.04	
<b>09 93 23 53-0003 Wood Trim Finishes</b> <small>(09 93 23 53)</small>		
09 93 23 53-0004 SF Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane.....	1.28	
For Up To 100, Add	0.83	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >4,000, Deduct	-0.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0005 SF Finish Wood Trim, 1 Coat Varnish Or Polyurethane .....	0.84	
For Up To 100, Add	0.58	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >4,000, Deduct	-0.04	
<b>09 93 23 53-0006 Wood Floor Finishes</b> (09 93 23 53)		
09 93 23 53-0007 SF Refinish Wood Floor, 2 Coats Polyurethane .....	3.08	
Note: Includes sanding existing floor.		
For Up To 100, Add	2.18	
For >100 To 250, Add	1.02	
For >250 To 500, Add	0.44	
For >4,000, Deduct	-0.15	
09 93 23 53-0008 SF Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work .....	0.65	
Note: Includes screening between coats.		
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >4,000, Deduct	-0.03	
09 93 23 53-0009 SF Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane .....	3.50	
Note: Includes sanding existing floor.		
For Up To 100, Add	2.45	
For >100 To 250, Add	1.15	
For >250 To 500, Add	0.50	
For >4,000, Deduct	-0.18	
<b>09 93 23 53-0010 Wood Door And Window Finishes</b> (09 93 23 53)		
See CSI section 08 14 16 00-0627 for factory finish.		
09 93 23 53-0011 EA Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face) .....	36.02	
For Up To 4, Add	26.07	
For >4 To 10, Add	12.21	
For >10 To 20, Add	5.25	
For >160, Deduct	-1.80	
09 93 23 53-0012 EA Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face) .....	109.60	
For Up To 4, Add	77.85	
For >4 To 10, Add	36.55	
For >10 To 20, Add	15.72	
For >160, Deduct	-5.48	
<b>09 93 23 53-0013 Cabinet Finishes</b> (09 93 23 53)		
09 93 23 53-0014 SF Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane .....	1.26	
<b>09 93 23 53-0015 Gym, Stage And Dance Floor Finishes</b> (09 93 23 53)		
09 93 23 53-0016 SF Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor .....	0.84	
Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.		
09 93 23 53-0017 SF Finish New Elementary School Wood Gym, Stage Or Dance Floor .....	3.68	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.07	
09 93 23 53-0018 SF Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor .....	3.75	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.08	
09 93 23 53-0019 SF Finish New High School Wood Gym, Stage Or Dance Floor .....	3.83	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.08	
09 93 23 53-0020 SF Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor .....	3.68	
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.07	
09 93 23 53-0021 SF Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor .....	3.75	
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.08	
09 93 23 53-0022 SF Refinish Existing High School Wood Gym, Stage Or Dance Floor .....	3.83	
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.08	
09 93 23 53-0023 LF Paint Game Lines, 2 Coats Paint, 1 Coat Urethane Finish .....	0.76	
09 93 23 53-0024 SF Paint Solid Court Area, 2 Coats Paint, 1 Coat Urethane Finish .....	1.77	

09 96 High-Performance Coatings (09 90)

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 96 High-Performance Coatings</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**09 96 23 Graffiti-Resistant Coatings (09 96)**

<b>09 96 23 00-0001</b>	<b>Anti-Graffiti Coating (09 96 23)</b>	
09 96 23 00-0002	SF Sacrificial Anti-Graffiti Coating, Per Coat.....	1.35
	For Up To 100, Add	0.78
	For >100 To 250, Add	0.38
	For >250 To 500, Add	0.16
09 96 23 00-0003	SF Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat.....	1.45
	For Up To 100, Add	0.80
	For >100 To 250, Add	0.39
	For >250 To 500, Add	0.17

**09 96 53 Elastomeric Coatings (09 96)**

<b>09 96 53 00-0001</b>	<b>Elastomeric (09 96 53)</b>	
	Note: Per coat.	
09 96 53 00-0002	SF 1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Walls And Floors.....	0.81
	For Work >15' To 20' Above Floor, Add	0.09
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.16
	Note: Applied only to work area above 20'.	
	For Work >30' To 40' Above Floor, Add	0.25
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	0.35
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	0.50
	For >100 To 250, Add	0.24
	For >250 To 500, Add	0.10
	For >2,500 To 5,000, Deduct	-0.04
	For >5,000 To 10,000, Deduct	-0.08
	For >10,000 To 20,000, Deduct	-0.12
	For >20,000, Deduct	-0.16
09 96 53 00-0003	SF 1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Walls And Floors.....	0.69
	For Work >15' To 20' Above Floor, Add	0.08
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.13
	Note: Applied only to work area above 20'.	
	For Work >30' To 40' Above Floor, Add	0.21
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	0.29
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	0.42
	For >100 To 250, Add	0.20
	For >250 To 500, Add	0.09
	For >2,500 To 5,000, Deduct	-0.03
	For >5,000 To 10,000, Deduct	-0.07
	For >10,000 To 20,000, Deduct	-0.10
	For >20,000, Deduct	-0.14
09 96 53 00-0004	SF 1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Walls And Floors.....	0.61
	For Work >15' To 20' Above Floor, Add	0.06
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.10
	Note: Applied only to work area above 20'.	
	For Work >30' To 40' Above Floor, Add	0.16
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	0.21
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	0.33
	For >100 To 250, Add	0.16
	For >250 To 500, Add	0.07
	For >2,500 To 5,000, Deduct	-0.03
	For >5,000 To 10,000, Deduct	-0.06
	For >10,000 To 20,000, Deduct	-0.09
	For >20,000, Deduct	-0.12
09 96 53 00-0005	SF 1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Walls And Floors.....	1.83
	For Work >15' To 20' Above Floor, Add	0.11
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.18
	Note: Applied only to work area above 20'.	
	For Work >30' To 40' Above Floor, Add	0.29
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	0.40
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	0.71
	For >100 To 250, Add	0.37
	For >250 To 500, Add	0.16
	For >2,500 To 5,000, Deduct	-0.09
	For >5,000 To 10,000, Deduct	-0.18
	For >10,000 To 20,000, Deduct	-0.27
	For >20,000, Deduct	-0.37



<b>Finishes</b>	<b>09</b>	<b>CSU</b>
Painting and Coating	09 90	
High-Performance Coatings	09 96	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0006 SF 1 Coat, 13 To 16 Wet Mills, Brush/Roller Work, Elastomeric Paint Applied To Walls And Floors .....	1.72	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20'		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.34	
09 96 53 00-0007 SF 1 Coat, 13 To 16 Wet Mills, Sprayed, Elastomeric Paint Applied To Walls And Floors .....	1.93	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.25	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.39	
09 96 53 00-0008 SF 1 Coat, 5.3 To 8 Wet Mills, Brush Work, Elastomeric Primer Applied To Ceilings And Overhead.....	0.91	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'		
For Work >30' To 40' Above Floor, Add	0.29	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.40	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 96 53 00-0009 SF 1 Coat, 5.3 To 8 Wet Mills, Brush/Roller Work, Elastomeric Primer Applied To Ceilings And Overhead .....	0.77	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.15	
09 96 53 00-0010 SF 1 Coat, 5.3 To 8 Wet Mills, Sprayed, Elastomeric Primer Applied To Ceilings And Overhead.....	0.67	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.25	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	

<b>09</b>	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 96 High-Performance Coatings</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0011 SF 1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Ceilings And Overhead .....	1.95	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.80	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.39	
09 96 53 00-0012 SF 1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Ceilings And Overhead .....	1.82	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.29	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.40	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.71	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	
09 96 53 00-0013 SF 1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Ceilings And Overhead.....	2.02	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.40	
<b>09 96 56 Epoxy Coatings (09 96)</b>		
<b>09 96 56 00-0001 High Build Epoxy (09 96 56)</b>		
09 96 56 00-0002 SF 50 Mil, High Build Epoxy .....	2.99	
<b>09 96 56 00-0003 Laminated Epoxy With Fiberglass (09 96 56)</b>		
09 96 56 00-0004 SF Laminated Epoxy With Fiberglass.....	5.25	
<b>09 96 66 Aggregate Wall Coatings (09 96)</b>		
<b>09 96 66 00-0001 Troweled On (09 96 66)</b>		
09 96 66 00-0002 SF Exposed Aggregate - 1/16" To 1/4" - Troweled On.....	4.12	
09 96 66 00-0003 SF Exposed Aggregate - 1/2" To 5/8" Troweled On .....	7.36	
09 96 66 00-0004 SF Exposed Aggregate - 1" Troweled On.....	11.05	
<b>09 96 66 00-0005 Sprayed On (09 96 66)</b>		
09 96 66 00-0006 SF Exposed Aggregate - 1/8" - Sprayed On.....	3.37	
<b>09 97 Special Coatings (09 90)</b>		
<b>09 97 13 Steel Coatings (09 97)</b>		
<b>09 97 13 23 Exterior Steel Coatings (09 97 13)</b>		
Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.		
<b>09 97 13 23-0001 Surface Preparation For Structural Steel (09 97 13 23)</b>		
Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.		



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0002	<b>SSPC SP2 Hand Tool Cleaning Surface Preparation For Structural Steel</b> <sup>(09 97 13 23-0001)</sup> Note: Hand Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before hand tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 2 or ISO 8501-1 St 3.		
09 97 13 23-0003	SF Type 1 Structural Steel SP2 Hand Tool Cleaning Surface Preparation .....	1.36	
	For Up To 100, Add	1.02	
	For >100 To 250, Add	0.48	
	For >250 To 500, Add	0.20	
09 97 13 23-0004	SF Type 2 Structural Steel SP2 Hand Tool Cleaning Surface Preparation .....	1.30	
	For Up To 100, Add	0.98	
	For >100 To 250, Add	0.46	
	For >250 To 500, Add	0.20	
09 97 13 23-0005	SF Type 3 Structural Steel SP2 Hand Tool Cleaning Surface Preparation .....	1.30	
	For Up To 100, Add	0.98	
	For >100 To 250, Add	0.46	
	For >250 To 500, Add	0.20	
09 97 13 23-0006	SF Up To 14" Diameter Pipe SP2 Hand Tool Cleaning Surface Preparation .....	1.77	
	For Up To 100, Add	1.33	
	For >100 To 250, Add	0.62	
	For >250 To 500, Add	0.27	
09 97 13 23-0007	<b>SSPC SP3 Power Tool Cleaning Surface Preparation For Structural Steel</b> <sup>(09 97 13 23-0001)</sup> Note: Power Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before power tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 3 or ISO 8501-1 St 3.		
09 97 13 23-0008	SF Type 1 Structural Steel SP3 Power Tool Cleaning Surface Preparation.....	1.56	
	For Up To 100, Add	1.17	
	For >100 To 250, Add	0.55	
	For >250 To 500, Add	0.23	
09 97 13 23-0009	SF Type 2 Structural Steel SP3 Power Tool Cleaning Surface Preparation.....	1.49	
	For Up To 100, Add	1.12	
	For >100 To 250, Add	0.52	
	For >250 To 500, Add	0.22	
09 97 13 23-0010	SF Type 3 Structural Steel SP3 Power Tool Cleaning Surface Preparation.....	1.49	
	For Up To 100, Add	1.12	
	For >100 To 250, Add	0.52	
	For >250 To 500, Add	0.22	
09 97 13 23-0011	SF Up To 14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation .....	2.02	
	For Up To 100, Add	1.52	
	For >100 To 250, Add	0.71	
	For >250 To 500, Add	0.30	
09 97 13 23-0012	SF >14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation .....	1.83	
	For Up To 100, Add	1.37	
	For >100 To 250, Add	0.64	
	For >250 To 500, Add	0.27	
09 97 13 23-0013	<b>SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel</b> <sup>(09 97 13 23-0001)</sup> Note: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust and loose paint. Tightly adherent mill scale, rust and paint may remain on the surface. Mill scale, rust and coating are considered adherent if they cannot be removed by lifting with a dull putty knife after abrasive blast cleaning has been performed. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP11		
09 97 13 23-0014	SF Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.96	
	For Up To 100, Add	0.67	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.14	
09 97 13 23-0015	SF Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.84	
	For Up To 100, Add	0.58	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
09 97 13 23-0016	SF Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.83	
	For Up To 100, Add	0.58	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
09 97 13 23-0017	SF Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation .....	1.19	
	For Up To 100, Add	0.84	
	For >100 To 250, Add	0.39	
	For >250 To 500, Add	0.17	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 97 Special Coatings</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 97 13 23-0018	<b>SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel</b> <small>(09 97 13 23-0001)</small> Note: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 33% of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE 3 or ISO 8501-1 Sa 2.	
09 97 13 23-0019	SF Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.46
	<i>For Up To 100, Add</i>	1.75
	<i>For &gt;100 To 250, Add</i>	0.82
	<i>For &gt;250 To 500, Add</i>	0.35
09 97 13 23-0020	SF Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.14
	<i>For Up To 100, Add</i>	1.51
	<i>For &gt;100 To 250, Add</i>	0.71
	<i>For &gt;250 To 500, Add</i>	0.31
09 97 13 23-0021	SF Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	1.98
	<i>For Up To 100, Add</i>	1.39
	<i>For &gt;100 To 250, Add</i>	0.65
	<i>For &gt;250 To 500, Add</i>	0.28
09 97 13 23-0022	SF Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation.....	3.08
	<i>For Up To 100, Add</i>	2.21
	<i>For &gt;100 To 250, Add</i>	1.04
	<i>For &gt;250 To 500, Add</i>	0.45

09 97 13 23-0023	<b>SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel</b> <small>(09 97 13 23-0001)</small> Note: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP5/NACE 1 or ISO 8501-1 Sa 3.	
09 97 13 23-0024	SF Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	4.77
	<i>For Up To 100, Add</i>	3.41
	<i>For &gt;100 To 250, Add</i>	1.60
	<i>For &gt;250 To 500, Add</i>	0.69
09 97 13 23-0025	SF Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	4.08
	<i>For Up To 100, Add</i>	2.90
	<i>For &gt;100 To 250, Add</i>	1.36
	<i>For &gt;250 To 500, Add</i>	0.59
09 97 13 23-0026	SF Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	3.75
	<i>For Up To 100, Add</i>	2.66
	<i>For &gt;100 To 250, Add</i>	1.25
	<i>For &gt;250 To 500, Add</i>	0.54
09 97 13 23-0027	SF Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation.....	5.76
	<i>For Up To 100, Add</i>	4.15
	<i>For &gt;100 To 250, Add</i>	1.95
	<i>For &gt;250 To 500, Add</i>	0.84

09 97 13 23-0028	<b>SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel</b> <small>(09 97 13 23-0001)</small> Note: A Near-White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP10/NACE 2 or ISO 8501-1 Sa 2.5.	
09 97 13 23-0029	SF Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation.....	3.55
	<i>For Up To 100, Add</i>	2.52
	<i>For &gt;100 To 250, Add</i>	1.19
	<i>For &gt;250 To 500, Add</i>	0.51
09 97 13 23-0030	SF Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation.....	3.02
	<i>For Up To 100, Add</i>	2.15
	<i>For &gt;100 To 250, Add</i>	1.01
	<i>For &gt;250 To 500, Add</i>	0.43
09 97 13 23-0031	SF Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation.....	2.86
	<i>For Up To 100, Add</i>	2.03
	<i>For &gt;100 To 250, Add</i>	0.95
	<i>For &gt;250 To 500, Add</i>	0.41
09 97 13 23-0032	SF Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation.....	4.19
	<i>For Up To 100, Add</i>	3.02
	<i>For &gt;100 To 250, Add</i>	1.42
	<i>For &gt;250 To 500, Add</i>	0.61

09 97 13 23-0033	<b>Protective Coatings For Tanks And Structural Steel</b> <small>(09 97 13 23)</small> Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.	
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09 97 13 23-0034	<b>1.5 Mil Prime Coat For Structural Steel</b> <small>(09 97 13 23-0033)</small>	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0035 SF Spray Type 1 Structural Steel 1.5 Mil Prime Coat.....	1.04	
<i>For Up To 100, Add</i>	0.67	
<i>For &gt;100 To 250, Add</i>	0.32	
<i>For &gt;250 To 500, Add</i>	0.14	
09 97 13 23-0036 SF Spray Type 2 Structural Steel 1.5 Mil Prime Coat.....	0.78	
<i>For Up To 100, Add</i>	0.49	
<i>For &gt;100 To 250, Add</i>	0.23	
<i>For &gt;250 To 500, Add</i>	0.10	
09 97 13 23-0037 SF Spray Type 3 Structural Steel 1.5 Mil Prime Coat.....	0.70	
<i>For Up To 100, Add</i>	0.43	
<i>For &gt;100 To 250, Add</i>	0.21	
<i>For &gt;250 To 500, Add</i>	0.09	
09 97 13 23-0038 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat .....	1.24	
<i>For Up To 100, Add</i>	0.82	
<i>For &gt;100 To 250, Add</i>	0.39	
<i>For &gt;250 To 500, Add</i>	0.17	
09 97 13 23-0039 SF Brush Type 1 Structural Steel 1.5 Mil Prime Coat.....	1.33	
<i>For Up To 100, Add</i>	0.88	
<i>For &gt;100 To 250, Add</i>	0.42	
<i>For &gt;250 To 500, Add</i>	0.18	
09 97 13 23-0040 SF Brush Type 2 Structural Steel 1.5 Mil Prime Coat.....	0.99	
<i>For Up To 100, Add</i>	0.65	
<i>For &gt;100 To 250, Add</i>	0.31	
<i>For &gt;250 To 500, Add</i>	0.13	
09 97 13 23-0041 SF Brush Type 3 Structural Steel 1.5 Mil Prime Coat.....	0.89	
<i>For Up To 100, Add</i>	0.57	
<i>For &gt;100 To 250, Add</i>	0.27	
<i>For &gt;250 To 500, Add</i>	0.12	
09 97 13 23-0042 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat .....	1.59	
<i>For Up To 100, Add</i>	1.08	
<i>For &gt;100 To 250, Add</i>	0.51	
<i>For &gt;250 To 500, Add</i>	0.22	
<b>09 97 13 23-0043 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel</b> <small>(09 97 13 23-0033)</small>		
09 97 13 23-0044 SF Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	3.08	
<i>For Up To 100, Add</i>	1.96	
<i>For &gt;100 To 250, Add</i>	0.93	
<i>For &gt;250 To 500, Add</i>	0.40	
09 97 13 23-0045 SF Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.25	
<i>For Up To 100, Add</i>	1.36	
<i>For &gt;100 To 250, Add</i>	0.65	
<i>For &gt;250 To 500, Add</i>	0.28	
09 97 13 23-0046 SF Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.10	
<i>For Up To 100, Add</i>	1.25	
<i>For &gt;100 To 250, Add</i>	0.60	
<i>For &gt;250 To 500, Add</i>	0.26	
09 97 13 23-0047 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	3.73	
<i>For Up To 100, Add</i>	2.43	
<i>For &gt;100 To 250, Add</i>	1.15	
<i>For &gt;250 To 500, Add</i>	0.50	
09 97 13 23-0048 SF Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.32	
<i>For Up To 100, Add</i>	1.47	
<i>For &gt;100 To 250, Add</i>	0.70	
<i>For &gt;250 To 500, Add</i>	0.30	
09 97 13 23-0049 SF Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.70	
<i>For Up To 100, Add</i>	1.03	
<i>For &gt;100 To 250, Add</i>	0.49	
<i>For &gt;250 To 500, Add</i>	0.21	
09 97 13 23-0050 SF Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.57	
<i>For Up To 100, Add</i>	0.93	
<i>For &gt;100 To 250, Add</i>	0.45	
<i>For &gt;250 To 500, Add</i>	0.19	
09 97 13 23-0051 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.80	
<i>For Up To 100, Add</i>	1.82	
<i>For &gt;100 To 250, Add</i>	0.87	
<i>For &gt;250 To 500, Add</i>	0.37	
09 97 13 23-0052 SF Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	4.23	
<i>For Up To 100, Add</i>	2.82	
<i>For &gt;100 To 250, Add</i>	1.33	
<i>For &gt;250 To 500, Add</i>	0.58	
09 97 13 23-0053 SF Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	3.04	
<i>For Up To 100, Add</i>	1.96	
<i>For &gt;100 To 250, Add</i>	0.93	
<i>For &gt;250 To 500, Add</i>	0.40	
09 97 13 23-0054 SF Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.81	
<i>For Up To 100, Add</i>	1.78	
<i>For &gt;100 To 250, Add</i>	0.85	
<i>For &gt;250 To 500, Add</i>	0.37	
09 97 13 23-0055 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	5.16	
<i>For Up To 100, Add</i>	3.50	
<i>For &gt;100 To 250, Add</i>	1.65	
<i>For &gt;250 To 500, Add</i>	0.71	

## 09 Finishes

## 09 90 Painting and Coating

## 09 97 Special Coatings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0056	SF		Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	3.17	
			For Up To 100, Add	2.11	
			For >100 To 250, Add	1.00	
			For >250 To 500, Add	0.43	
09 97 13 23-0057	SF		Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	2.28	
			For Up To 100, Add	1.46	
			For >100 To 250, Add	0.70	
			For >250 To 500, Add	0.30	
09 97 13 23-0058	SF		Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	2.11	
			For Up To 100, Add	1.34	
			For >100 To 250, Add	0.64	
			For >250 To 500, Add	0.28	
09 97 13 23-0059	SF		Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	3.86	
			For Up To 100, Add	2.62	
			For >100 To 250, Add	1.24	
			For >250 To 500, Add	0.53	
09 97 13 23-0060			Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel (09 97 13 23-0033) .....	2.37	
09 97 13 23-0061	SF		Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	2.37	
			For Up To 100, Add	1.52	
			For >100 To 250, Add	0.72	
			For >250 To 500, Add	0.31	
09 97 13 23-0062	SF		Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	1.95	
			For Up To 100, Add	1.23	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.25	
09 97 13 23-0063	SF		Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	1.79	
			For Up To 100, Add	1.11	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
09 97 13 23-0064	SF		Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	2.94	
			For Up To 100, Add	1.94	
			For >100 To 250, Add	0.92	
			For >250 To 500, Add	0.40	
09 97 13 23-0065	SF		Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.53	
			For Up To 100, Add	0.98	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.20	
09 97 13 23-0066	SF		Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.25	
			For Up To 100, Add	0.79	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
09 97 13 23-0067	SF		Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.14	
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
09 97 13 23-0068	SF		Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.88	
			For Up To 100, Add	1.24	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.25	
09 97 13 23-0069	SF		Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	3.02	
			For Up To 100, Add	2.01	
			For >100 To 250, Add	0.95	
			For >250 To 500, Add	0.41	
09 97 13 23-0070	SF		Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	2.46	
			For Up To 100, Add	1.61	
			For >100 To 250, Add	0.76	
			For >250 To 500, Add	0.33	
09 97 13 23-0071	SF		Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	2.25	
			For Up To 100, Add	1.45	
			For >100 To 250, Add	0.69	
			For >250 To 500, Add	0.30	
09 97 13 23-0072	SF		Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	3.76	
			For Up To 100, Add	2.55	
			For >100 To 250, Add	1.20	
			For >250 To 500, Add	0.52	
09 97 13 23-0073	SF		Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.94	
			For Up To 100, Add	1.29	
			For >100 To 250, Add	0.61	
			For >250 To 500, Add	0.26	
09 97 13 23-0074	SF		Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.58	
			For Up To 100, Add	1.04	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
09 97 13 23-0075	SF		Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.44	
			For Up To 100, Add	0.93	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
09 97 13 23-0076	SF		Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	2.41	
			For Up To 100, Add	1.64	
			For >100 To 250, Add	0.77	
			For >250 To 500, Add	0.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 97 13 23-0077      2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel</b> <small>(09 97 13 23-0033)</small>		
09 97 13 23-0078    SF    Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	4.00	
For Up To 100, Add	2.28	
For >100 To 250, Add	1.10	
For >250 To 500, Add	0.48	
09 97 13 23-0079    SF    Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.96	
For Up To 100, Add	1.57	
For >100 To 250, Add	0.76	
For >250 To 500, Add	0.34	
09 97 13 23-0080    SF    Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.65	
For Up To 100, Add	1.33	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.29	
09 97 13 23-0081    SF    Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	4.51	
For Up To 100, Add	2.64	
For >100 To 250, Add	1.27	
For >250 To 500, Add	0.55	
09 97 13 23-0082    SF    Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.80	
For Up To 100, Add	1.60	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.34	
09 97 13 23-0083    SF    Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.07	
For Up To 100, Add	1.10	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
09 97 13 23-0084    SF    Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	1.85	
For Up To 100, Add	0.93	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
09 97 13 23-0085    SF    Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	3.15	
For Up To 100, Add	1.84	
For >100 To 250, Add	0.89	
For >250 To 500, Add	0.39	
 <b>09 97 13 23-0086      2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel</b> <small>(09 97 13 23-0033)</small>		
09 97 13 23-0087    SF    Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats .....	4.34	
For Up To 100, Add	2.33	
For >100 To 250, Add	1.13	
For >250 To 500, Add	0.50	
09 97 13 23-0088    SF    Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats .....	3.27	
For Up To 100, Add	1.61	
For >100 To 250, Add	0.79	
For >250 To 500, Add	0.35	
09 97 13 23-0089    SF    Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats .....	2.96	
For Up To 100, Add	1.38	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.30	
09 97 13 23-0090    SF    Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats .....	4.86	
For Up To 100, Add	2.69	
For >100 To 250, Add	1.30	
For >250 To 500, Add	0.57	
09 97 13 23-0091    SF    Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats .....	3.55	
For Up To 100, Add	1.91	
For >100 To 250, Add	0.93	
For >250 To 500, Add	0.41	
09 97 13 23-0092    SF    Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats .....	2.69	
For Up To 100, Add	1.33	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.29	
09 97 13 23-0093    SF    Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats .....	2.43	
For Up To 100, Add	1.13	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.25	
09 97 13 23-0094    SF    Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats .....	3.99	
For Up To 100, Add	2.21	
For >100 To 250, Add	1.07	
For >250 To 500, Add	0.47	
 <b>09 97 13 23-0095      1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel</b> <small>(09 97 13 23-0033)</small>		
09 97 13 23-0096    SF    Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats .....	9.03	
For Up To 100, Add	5.00	
For >100 To 250, Add	2.42	
For >250 To 500, Add	1.06	
09 97 13 23-0097    SF    Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats .....	6.93	
For Up To 100, Add	3.61	
For >100 To 250, Add	1.76	
For >250 To 500, Add	0.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0098 SF Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	6.70	
For Up To 100, Add	3.44	
For >100 To 250, Add	1.68	
For >250 To 500, Add	0.74	
09 97 13 23-0099 SF Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	10.41	
For Up To 100, Add	6.00	
For >100 To 250, Add	2.89	
For >250 To 500, Add	1.26	
<b>09 97 13 23-0100 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel</b> (09 97 13 23-0033)		
09 97 13 23-0101 SF Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	4.84	
For Up To 100, Add	2.45	
For >100 To 250, Add	1.20	
For >250 To 500, Add	0.53	
09 97 13 23-0102 SF Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	3.88	
For Up To 100, Add	1.75	
For >100 To 250, Add	0.87	
For >250 To 500, Add	0.39	
09 97 13 23-0103 SF Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	3.73	
For Up To 100, Add	1.63	
For >100 To 250, Add	0.82	
For >250 To 500, Add	0.37	
09 97 13 23-0104 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	5.44	
For Up To 100, Add	2.87	
For >100 To 250, Add	1.40	
For >250 To 500, Add	0.61	
09 97 13 23-0105 SF Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	3.81	
For Up To 100, Add	1.93	
For >100 To 250, Add	0.95	
For >250 To 500, Add	0.42	
09 97 13 23-0106 SF Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	3.07	
For Up To 100, Add	1.38	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.31	
09 97 13 23-0107 SF Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	2.94	
For Up To 100, Add	1.29	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.29	
09 97 13 23-0108 SF Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats.....	4.31	
For Up To 100, Add	2.27	
For >100 To 250, Add	1.11	
For >250 To 500, Add	0.49	
<b>09 97 13 23-0109 Two 8 Mil Coal Tar Epoxy Coats For Structural Steel</b> (09 97 13 23-0033)		
09 97 13 23-0110 SF Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.99	
For Up To 100, Add	2.33	
For >100 To 250, Add	1.12	
For >250 To 500, Add	0.49	
09 97 13 23-0111 SF Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.26	
For Up To 100, Add	1.84	
For >100 To 250, Add	0.89	
For >250 To 500, Add	0.39	
09 97 13 23-0112 SF Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.03	
For Up To 100, Add	1.67	
For >100 To 250, Add	0.81	
For >250 To 500, Add	0.35	
09 97 13 23-0113 SF Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats.....	4.89	
For Up To 100, Add	2.98	
For >100 To 250, Add	1.42	
For >250 To 500, Add	0.62	
<b>09 97 13 23-0114 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel</b> (09 97 13 23-0033)		
09 97 13 23-0115 SF Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	3.80	
For Up To 100, Add	2.35	
For >100 To 250, Add	1.12	
For >250 To 500, Add	0.49	
09 97 13 23-0116 SF Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.73	
For Up To 100, Add	1.57	
For >100 To 250, Add	0.76	
For >250 To 500, Add	0.33	
09 97 13 23-0117 SF Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.35	
For Up To 100, Add	1.29	
For >100 To 250, Add	0.63	
For >250 To 500, Add	0.27	



<b>Finishes</b>	<b>09</b>	<b>CSU</b>
Painting and Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0118 SF Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	4.32	
For Up To 100, Add	2.70	
For >100 To 250, Add	1.29	
For >250 To 500, Add	0.56	
<b>09 97 13 23-0119 One 3 Mil High Zinc Silicate Coat For Structural Steel</b> (09 97 13 23-0033)		
09 97 13 23-0120 SF Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat.....	2.13	
For Up To 100, Add	1.07	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
09 97 13 23-0121 SF Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.58	
For Up To 100, Add	0.71	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.16	
09 97 13 23-0122 SF Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.50	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.15	
09 97 13 23-0123 SF Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat .....	2.23	
For Up To 100, Add	1.13	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
<b>09 97 13 23-0124 Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel</b> (09 97 13 23-0033)		
Note: Installed over existing primer.		
09 97 13 23-0125 SF Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats.....	3.20	
For Up To 100, Add	1.79	
For >100 To 250, Add	0.87	
For >250 To 500, Add	0.38	
09 97 13 23-0126 SF Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.64	
For Up To 100, Add	1.42	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.30	
09 97 13 23-0127 SF Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.33	
For Up To 100, Add	1.19	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.26	
09 97 13 23-0128 SF Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats.....	3.70	
For Up To 100, Add	2.15	
For >100 To 250, Add	1.03	
For >250 To 500, Add	0.45	
<b>09 97 13 24 Steel Water Storage Tank Painting</b> (09 97 13)		
<b>09 97 13 24-0001 Surface Preparation For Tanks</b> (09 97 13 24)		
Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
<b>09 97 13 24-0002 SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks</b> (09 97 13 24-0001)		
09 97 13 24-0003 SF Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	1.30	
For Up To 100, Add	0.98	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
09 97 13 24-0004 SF Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	1.16	
For Up To 100, Add	0.87	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.17	
09 97 13 24-0005 SF Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	1.63	
For Up To 100, Add	1.22	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.24	
<b>09 97 13 24-0006 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks</b> (09 97 13 24-0001)		
09 97 13 24-0007 SF Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation .....	0.80	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
09 97 13 24-0008 SF Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation .....	0.65	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
09 97 13 24-0009 SF Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation .....	1.13	
For Up To 100, Add	0.82	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
<b>09 97 13 24-0010 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks</b> (09 97 13 24-0001)		

<b>09</b>	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 97 Special Coatings</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0011 SF Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation.....	1.97	
For Up To 100, Add	1.39	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.28	
09 97 13 24-0012 SF Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation .....	1.82	
For Up To 100, Add	1.28	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
09 97 13 24-0013 SF Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation .....	2.64	
For Up To 100, Add	1.89	
For >100 To 250, Add	0.89	
For >250 To 500, Add	0.38	
<b>09 97 13 24-0014 SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)</b>		
09 97 13 24-0015 SF Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation.....	3.57	
For Up To 100, Add	2.53	
For >100 To 250, Add	1.19	
For >250 To 500, Add	0.51	
09 97 13 24-0016 SF Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation.....	3.41	
For Up To 100, Add	2.41	
For >100 To 250, Add	1.13	
For >250 To 500, Add	0.49	
09 97 13 24-0017 SF Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation.....	4.99	
For Up To 100, Add	3.59	
For >100 To 250, Add	1.68	
For >250 To 500, Add	0.72	
<b>09 97 13 24-0018 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)</b>		
09 97 13 24-0019 SF Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation.....	2.86	
For Up To 100, Add	2.03	
For >100 To 250, Add	0.95	
For >250 To 500, Add	0.41	
09 97 13 24-0020 SF Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation.....	2.86	
For Up To 100, Add	2.03	
For >100 To 250, Add	0.95	
For >250 To 500, Add	0.41	
09 97 13 24-0021 SF Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation.....	4.19	
For Up To 100, Add	3.02	
For >100 To 250, Add	1.42	
For >250 To 500, Add	0.61	
<b>09 97 13 24-0022 Protective Coatings For Tanks (09 97 13 24)</b>		
Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
<b>09 97 13 24-0023 1.5 Mil Prime Coat For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0024 SF Spray Small Vessel/Tank 1.5 Mil Prime Coat .....	0.62	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 97 13 24-0025 SF Spray Large Vessel/Tank 1.5 Mil Prime Coat .....	0.50	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
09 97 13 24-0026 SF Spray Tank Interior 1.5 Mil Prime Coat .....	1.16	
For Up To 100, Add	0.78	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
09 97 13 24-0027 SF Brush Small Vessel/Tank 1.5 Mil Prime Coat .....	0.77	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
09 97 13 24-0028 SF Brush Large Vessel/Tank 1.5 Mil Prime Coat .....	0.62	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 97 13 24-0029 SF Brush Tank Interior 1.5 Mil Prime Coat .....	1.50	
For Up To 100, Add	1.04	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
<b>09 97 13 24-0030 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0031 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.84	
For Up To 100, Add	1.07	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	



<b>Finishes</b>	<b>09</b>	<b>CSU</b>
Painting and Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0032 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.45	
<i>For Up To 100, Add</i>	0.78	
<i>For &gt;100 To 250, Add</i>	0.38	
<i>For &gt;250 To 500, Add</i>	0.17	
09 97 13 24-0033 SF Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	3.32	
<i>For Up To 100, Add</i>	2.18	
<i>For &gt;100 To 250, Add</i>	1.03	
<i>For &gt;250 To 500, Add</i>	0.45	
09 97 13 24-0034 SF Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.39	
<i>For Up To 100, Add</i>	0.81	
<i>For &gt;100 To 250, Add</i>	0.39	
<i>For &gt;250 To 500, Add</i>	0.17	
09 97 13 24-0035 SF Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.09	
<i>For Up To 100, Add</i>	0.58	
<i>For &gt;100 To 250, Add</i>	0.28	
<i>For &gt;250 To 500, Add</i>	0.12	
09 97 13 24-0036 SF Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	2.49	
<i>For Up To 100, Add</i>	1.63	
<i>For &gt;100 To 250, Add</i>	0.77	
<i>For &gt;250 To 500, Add</i>	0.33	
09 97 13 24-0037 SF Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.45	
<i>For Up To 100, Add</i>	1.53	
<i>For &gt;100 To 250, Add</i>	0.73	
<i>For &gt;250 To 500, Add</i>	0.32	
09 97 13 24-0038 SF Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.88	
<i>For Up To 100, Add</i>	1.10	
<i>For &gt;100 To 250, Add</i>	0.53	
<i>For &gt;250 To 500, Add</i>	0.23	
09 97 13 24-0039 SF Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	4.61	
<i>For Up To 100, Add</i>	3.15	
<i>For &gt;100 To 250, Add</i>	1.48	
<i>For &gt;250 To 500, Add</i>	0.64	
09 97 13 24-0040 SF Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.84	
<i>For Up To 100, Add</i>	1.15	
<i>For &gt;100 To 250, Add</i>	0.55	
<i>For &gt;250 To 500, Add</i>	0.24	
09 97 13 24-0041 SF Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.41	
<i>For Up To 100, Add</i>	0.82	
<i>For &gt;100 To 250, Add</i>	0.40	
<i>For &gt;250 To 500, Add</i>	0.17	
09 97 13 24-0042 SF Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	3.45	
<i>For Up To 100, Add</i>	2.35	
<i>For &gt;100 To 250, Add</i>	1.11	
<i>For &gt;250 To 500, Add</i>	0.48	
<b>09 97 13 24-0043 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks</b> (09 97 13 24-0022)		
09 97 13 24-0044 SF Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.63	
<i>For Up To 100, Add</i>	0.99	
<i>For &gt;100 To 250, Add</i>	0.48	
<i>For &gt;250 To 500, Add</i>	0.21	
09 97 13 24-0045 SF Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.39	
<i>For Up To 100, Add</i>	0.81	
<i>For &gt;100 To 250, Add</i>	0.39	
<i>For &gt;250 To 500, Add</i>	0.17	
09 97 13 24-0046 SF Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	3.41	
<i>For Up To 100, Add</i>	2.33	
<i>For &gt;100 To 250, Add</i>	1.10	
<i>For &gt;250 To 500, Add</i>	0.47	
09 97 13 24-0047 SF Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.04	
<i>For Up To 100, Add</i>	0.64	
<i>For &gt;100 To 250, Add</i>	0.30	
<i>For &gt;250 To 500, Add</i>	0.13	
09 97 13 24-0048 SF Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	0.88	
<i>For Up To 100, Add</i>	0.52	
<i>For &gt;100 To 250, Add</i>	0.25	
<i>For &gt;250 To 500, Add</i>	0.11	
09 97 13 24-0049 SF Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats .....	2.18	
<i>For Up To 100, Add</i>	1.49	
<i>For &gt;100 To 250, Add</i>	0.70	
<i>For &gt;250 To 500, Add</i>	0.30	
09 97 13 24-0050 SF Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.04	
<i>For Up To 100, Add</i>	1.30	
<i>For &gt;100 To 250, Add</i>	0.62	
<i>For &gt;250 To 500, Add</i>	0.27	
09 97 13 24-0051 SF Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.73	
<i>For Up To 100, Add</i>	1.07	
<i>For &gt;100 To 250, Add</i>	0.51	
<i>For &gt;250 To 500, Add</i>	0.22	
09 97 13 24-0052 SF Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	4.67	
<i>For Up To 100, Add</i>	3.36	
<i>For &gt;100 To 250, Add</i>	1.57	
<i>For &gt;250 To 500, Add</i>	0.68	

**09 Finishes****09 90 Painting and Coating****09 97 Special Coatings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0053 SF Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.30	
For Up To 100, Add	0.83	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
09 97 13 24-0054 SF Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.11	
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
09 97 13 24-0055 SF Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats.....	3.07	
For Up To 100, Add	2.16	
For >100 To 250, Add	1.01	
For >250 To 500, Add	0.44	
<b>09 97 13 24-0056 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0057 SF Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	2.46	
For Up To 100, Add	1.21	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
09 97 13 24-0058 SF Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	2.15	
For Up To 100, Add	0.98	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.22	
09 97 13 24-0059 SF Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	1.72	
For Up To 100, Add	0.85	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
09 97 13 24-0060 SF Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	1.50	
For Up To 100, Add	0.68	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
<b>09 97 13 24-0061 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks (09 97 13 24- 0022)</b>		
09 97 13 24-0062 SF Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats .....	2.76	
For Up To 100, Add	1.25	
For >100 To 250, Add	0.63	
For >250 To 500, Add	0.28	
09 97 13 24-0063 SF Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats .....	2.45	
For Up To 100, Add	1.02	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
09 97 13 24-0064 SF Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats.....	2.26	
For Up To 100, Add	1.03	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.23	
09 97 13 24-0065 SF Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats .....	2.00	
For Up To 100, Add	0.83	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.19	
<b>09 97 13 24-0066 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0067 SF Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats .....	6.46	
For Up To 100, Add	3.30	
For >100 To 250, Add	1.62	
For >250 To 500, Add	0.71	
09 97 13 24-0068 SF Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats .....	5.99	
For Up To 100, Add	2.95	
For >100 To 250, Add	1.45	
For >250 To 500, Add	0.64	
09 97 13 24-0069 SF Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats .....	9.58	
For Up To 100, Add	5.64	
For >100 To 250, Add	2.71	
For >250 To 500, Add	1.18	
<b>09 97 13 24-0070 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks (09 97 13 24- 0022)</b>		
09 97 13 24-0071 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	3.46	
For Up To 100, Add	1.56	
For >100 To 250, Add	0.78	
For >250 To 500, Add	0.35	
09 97 13 24-0072 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats .....	3.12	
For Up To 100, Add	1.31	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.30	
09 97 13 24-0073 SF Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	4.99	
For Up To 100, Add	2.71	
For >100 To 250, Add	1.32	
For >250 To 500, Add	0.58	





<b>Finishes</b>	<b>09</b>	<b>CSU</b>
Painting and Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0074 SF Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats.....	2.74	
For Up To 100, Add	1.24	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.28	
09 97 13 24-0075 SF Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats .....	2.47	
For Up To 100, Add	1.04	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
09 97 13 24-0076 SF Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats .....	3.94	
For Up To 100, Add	2.14	
For >100 To 250, Add	1.04	
For >250 To 500, Add	0.46	
<b>09 97 13 24-0077 Two 8 Mil Coal Tar Epoxy Coats For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0078 SF Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats.....	3.00	
For Up To 100, Add	1.66	
For >100 To 250, Add	0.81	
For >250 To 500, Add	0.35	
09 97 13 24-0079 SF Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats .....	2.54	
For Up To 100, Add	1.32	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
09 97 13 24-0080 SF Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats.....	3.78	
For Up To 100, Add	2.25	
For >100 To 250, Add	1.08	
For >250 To 500, Add	0.47	
<b>09 97 13 24-0081 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0082 SF Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.09	
For Up To 100, Add	1.11	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.24	
09 97 13 24-0083 SF Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.93	
For Up To 100, Add	0.99	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
09 97 13 24-0084 SF Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	3.11	
For Up To 100, Add	1.87	
For >100 To 250, Add	0.90	
For >250 To 500, Add	0.39	
<b>09 97 13 24-0085 Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior (09 97 13 24-0022)</b>		
09 97 13 24-0086 SF Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats .....	4.55	
For Up To 100, Add	2.55	
For >100 To 250, Add	1.23	
For >250 To 500, Add	0.54	
09 97 13 24-0087 SF Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats.....	2.87	
For Up To 100, Add	1.37	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.30	
<b>09 97 13 24-0088 One 3 Mil High Zinc Silicate Coat For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0089 SF Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat .....	1.40	
For Up To 100, Add	0.58	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
09 97 13 24-0090 SF Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat .....	1.37	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.13	
09 97 13 24-0091 SF Spray Tank Interior One 3 Mil High Zinc Silicate Coat.....	2.10	
For Up To 100, Add	1.11	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.24	
<b>09 97 13 24-0092 Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks (09 97 13 24-0022)</b>		
Note: Installed over existing primer.		
09 97 13 24-0093 SF Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.22	
For Up To 100, Add	1.13	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
09 97 13 24-0094 SF Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....	1.99	
For Up To 100, Add	0.95	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	

<b>09</b>	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 97 Special Coatings</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0095 SF Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats ..... <i>For Up To 100, Add 1.71</i> <i>For &gt;100 To 250, Add 0.83</i> <i>For &gt;250 To 500, Add 0.36</i>	3.00	
<b>09 97 13 24-0096 One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks</b> <small>(09 97 13 24-0022)</small>		
09 97 13 24-0097 SF Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat..... <i>For Up To 100, Add 4.72</i> <i>For &gt;100 To 250, Add 2.26</i> <i>For &gt;250 To 500, Add 0.98</i>	7.76	
<b>09 97 26 Cementitious Coatings</b> <small>(09 97)</small>		
<b>09 97 26 13 Interior Cementitious Coatings</b> <small>(09 97 26)</small>		
09 97 26 13-0001 Ceramic-Like Glazed Coating <small>(09 97 26 13)</small>		
09 97 26 13-0002 Ceramic-Like Glazed Coating, Cementitious <small>(09 97 26 13-0001)</small>		
09 97 26 13-0003 SF Ceramic-like Glazed Coating, - Cementitious .....	2.51	
09 97 26 13-0004 Ceramic-Like Glazed Coating, Resin Base <small>(09 97 26 13-0001)</small>		
09 97 26 13-0005 SF Ceramic-like Glazed Coating - Resin.....	2.09	
<b>09 97 35 Dry Erase Coatings</b> <small>(09 97)</small>		
09 97 35 00-0001 Dry-Erase Paint <small>(09 97 35)</small>		
09 97 35 00-0002 Dry-Erase Paint (IdeaPaint™ PRO) <small>(09 97 35 00-0001)</small>		
09 97 35 00-0003 SF Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller ..... Note: Includes two coats of primer and white, white sand, light beige or light gray surface.	11.75	
09 97 35 00-0004 Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) <small>(09 97 35 00-0001)</small>		
09 97 35 00-0005 SF Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller..... Note: For application over existing latex-based top coats.	6.56	
09 97 35 00-0006 SF Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller ..... Note: Includes two coats of primer and white or black surface coat.	12.60	
<b>09 97 63 Special Coatings and Protection Systems</b> <small>(09 97)</small>		
09 97 63 00-0001 Acrylic Glazed Coating <small>(09 97 63)</small>		
09 97 63 00-0002 SF Acrylic Glazed Coating.....	1.62	

**END OF SECTION 09**



<b>Specialties</b>	<b>10</b>
<b>Operation and Maintenance of Specialties</b>	<b>10 01</b>
<b>Operation and Maintenance of Safety Specialties</b>	<b>10 01 40</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 10 Specialties

### 10 01 Operation and Maintenance of Specialties <sup>(10)</sup>

#### 10 01 40 Operation and Maintenance of Safety Specialties <sup>(10 01)</sup>

10 01 40 00-0001	EA	Recharge Existing Portable Fire Extinguishers <sup>(10 01 40)</sup> Note: Includes removal, filling, testing, certification and reinstallation.		
10 01 40 00-0002	EA	Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers <sup>(10 01 40 00-0001)</sup>		
10 01 40 00-0003	EA	Recharge 2.5 LB Carbon Dioxide Portable Fire Extinguisher .....	17.27	
10 01 40 00-0004	EA	Recharge 5 LB Carbon Dioxide Portable Fire Extinguisher .....	19.19	
10 01 40 00-0005	EA	Recharge 10 LB Carbon Dioxide Portable Fire Extinguisher .....	19.96	
10 01 40 00-0006	EA	Recharge 15 LB Carbon Dioxide Portable Fire Extinguisher .....	22.59	
10 01 40 00-0007	EA	Recharge 20 LB Carbon Dioxide Portable Fire Extinguisher .....	26.10	
10 01 40 00-0008	EA	Recharge Dry Chemical, Class ABC Portable Fire Extinguishers <sup>(10 01 40 00-0001)</sup>		
10 01 40 00-0009	EA	Recharge 2.5 LB Dry Chemical Portable Fire Extinguisher .....	20.84	
10 01 40 00-0010	EA	Recharge 5 LB Dry Chemical Portable Fire Extinguisher .....	25.22	
10 01 40 00-0011	EA	Recharge 10 LB Dry Chemical Portable Fire Extinguisher .....	35.64	
10 01 40 00-0012	EA	Recharge 20 LB Dry Chemical Portable Fire Extinguisher .....	56.26	
10 01 40 00-0013	EA	Recharge Other Portable Fire Extinguishers <sup>(10 01 40 00-0001)</sup>		
10 01 40 00-0014	EA	Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher .....	20.62	
10 01 40 00-0015	EA	Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher.....	146.94	
10 01 40 00-0016	EA	Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher.....	205.72	
10 01 40 00-0017	EA	Recharge 30 LB Dry Powder Class D Portable Fire Extinguisher.....	84.70	

#### 10 01 50 Operation and Maintenance of Storage Specialties <sup>(10 01)</sup>

##### 10 01 50 11 Operation and Maintenance of Storage Specialties <sup>(10 01 50)</sup>

10 01 50 11-0001	EA	Locker Repair And Refinishing <sup>(10 01 50 11)</sup>		
10 01 50 11-0002	EA	Removal And Replacement Of Single Tier Locker Door.....	372.56	
10 01 50 11-0003	EA	Removal And Replacement Of Two Tier Locker Door .....	292.77	
10 01 50 11-0004	EA	Removal And Replacement Of Three Tier Locker Door .....	250.47	
10 01 50 11-0005	EA	Removal And Replacement Of Four Tier Locker Door .....	210.84	
10 01 50 11-0006	EA	Removal And Replacement Of Six Tier Or Sixteen Person Locker Door.....	114.49	
10 01 50 11-0007	EA	Realign Metal Locker Door For Proper Closure .....	39.67	
10 01 50 11-0008	EA	Patch Small Drill Holes in Locker.....	7.93	

## 10 10 Information Specialties <sup>(10)</sup>

### 10 11 Visual Display Units <sup>(10 10)</sup>

#### 10 11 13 Chalkboards <sup>(10 11)</sup>

##### 10 11 13 13 Fixed Chalkboards <sup>(10 11 13)</sup>

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001	SF	Porcelain Enamel Steel Chalkboards <sup>(10 11 13 13)</sup>		
10 11 13 13-0002	SF	5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) <sup>(10 11 13 13-0001)</sup> Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	46.60	9.27
10 11 13 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	29.58	4.36
10 11 13 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	25.56	3.76
10 11 13 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	21.12	2.45
10 11 13 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	17.57	1.36
10 11 13 13-0008	SF	1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) <sup>(10 11 13 13-0001)</sup> Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	49.21	9.27
10 11 13 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	32.12	4.36
10 11 13 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	27.90	3.76
10 11 13 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	23.95	2.45
10 11 13 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	20.35	1.36



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

10 11 13 13-0014		<b>1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series)</b> <small>(10 11 13 13-0001)</small> Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.		
10 11 13 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard .....	44.99	9.27
10 11 13 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	27.93	4.36
10 11 13 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	23.99	3.76
10 11 13 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	19.80	2.45
10 11 13 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	16.10	1.36
10 11 13 13-0020		<b>Removal And Reinstallation Of Chalkboards</b> <small>(10 11 13 13)</small> Note: Includes storage and cleaning.		
10 11 13 13-0021	SF	Removal And Reinstallation Of Chalkboard.....	11.36	
10 11 13 13-0022		<b>Field Applied Chalkboard And Accessories</b> <small>(10 11 13 13)</small>		
10 11 13 13-0023		<b>Chalkboard Face Sheets And Panels</b> <small>(10 11 13 13-0022)</small>		
10 11 13 13-0024	SF	Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite)..... Note: Includes porcelain enamel steel chalkboard skin.	15.66	4.36
10 11 13 13-0025	SF	Porcelain Enamel Steel Chalkboard Panel (Claridge VIT)..... Note: Includes porcelain enamel steel surface mounted on either particle board or hardboard core with an aluminum moisture barrier back.	18.56	4.36
10 11 13 13-0026		<b>Chalkboard And Markerboard Accessory Trays And Trim</b> <small>(10 11 13 13-0022)</small>		
10 11 13 13-0027	LF	Chalk And Marker Tray, Field Applied .....	22.76	5.99
10 11 13 13-0028	PR	Chalk And Marker Tray End Closures, Field Applied.....	28.88	10.90
10 11 13 13-0029	LF	Mullion Trim For Chalkboards And Markerboards, Field Applied.....	16.37	5.99
10 11 13 13-0030	LF	Screw On Trim For Chalkboards And Markerboards, Field Applied.....	16.02	5.99
10 11 13 13-0031	LF	1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied .....	17.00	5.99
10 11 13 13-0032	LF	1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied .....	18.88	5.99
10 11 13 13-0033	LF	No Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	17.00	5.99
<b>10 11 13 33</b>		<b>Rail-Mounted Chalkboards</b> <small>(10 11 13)</small>		
10 11 13 33-0001		<b>Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series)</b> <small>(10 11 13 33)</small>		
10 11 13 33-0002		<b>Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0001)</small>		
10 11 13 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,099.36	108.97
10 11 13 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,355.03	108.97
10 11 13 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,666.25	116.06
10 11 13 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,963.31	116.06
10 11 13 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,689.66	124.77
10 11 13 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,926.61	124.77
10 11 13 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,435.16	130.77
10 11 13 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,023.36	130.77
10 11 13 33-0011		<b>Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0001)</small>		
10 11 13 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	2,862.00	108.97
10 11 13 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	3,391.59	108.97
10 11 13 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	3,880.17	116.06
10 11 13 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	4,366.40	116.06
10 11 13 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	4,976.48	124.77
10 11 13 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	5,190.77	124.77
10 11 13 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	6,084.58	130.77
10 11 13 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	6,799.89	130.77
10 11 13 33-0020		<b>Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0001)</small>		
10 11 13 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	3,187.15	108.97
10 11 13 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	3,620.18	108.97
10 11 13 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	4,090.04	116.06
10 11 13 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	4,587.12	116.06
10 11 13 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	5,551.91	124.77
10 11 13 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	5,779.99	124.77
10 11 13 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	6,822.59	130.77
10 11 13 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	7,614.31	130.77
10 11 13 33-0029		<b>Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series)</b> <small>(10 11 13 33)</small>		
10 11 13 33-0030		<b>One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0029)</small>		



<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0031 EA 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,505.78	108.97
10 11 13 33-0032 EA 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,763.43	108.97
10 11 13 33-0033 EA 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,021.44	116.06
10 11 13 33-0034 EA 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,468.74	116.06
10 11 13 33-0035 EA 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,799.46	124.77
10 11 13 33-0036 EA 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,212.27	124.77
<b>10 11 13 33-0037 Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0029)</small>		
10 11 13 33-0038 EA 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,666.41	108.97
10 11 13 33-0039 EA 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,066.41	108.97
10 11 13 33-0040 EA 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,468.76	116.06
10 11 13 33-0041 EA 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,204.71	116.06
10 11 13 33-0042 EA 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,664.47	124.77
10 11 13 33-0043 EA 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,332.44	124.77
<b>10 11 13 33-0044 Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0029)</small>		
10 11 13 33-0045 EA 8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,999.47	108.97
10 11 13 33-0046 EA 8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,544.79	108.97
10 11 13 33-0047 EA 8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,092.45	116.06
10 11 13 33-0048 EA 8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,116.08	116.06
10 11 13 33-0049 EA 8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,716.70	124.77
10 11 13 33-0050 EA 8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,657.56	124.77
<b>10 11 13 33-0051 Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series)</b> <small>(10 11 13 33)</small>		
Note: Excludes remotes.		
<b>10 11 13 33-0052 One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0051)</small>		
10 11 13 33-0053 EA 10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,027.20	217.95
10 11 13 33-0054 EA 10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,255.40	217.95
10 11 13 33-0055 EA 10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,511.00	224.76
10 11 13 33-0056 EA 10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,928.98	224.76
10 11 13 33-0057 EA 10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,392.11	231.56
10 11 13 33-0058 EA 10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,795.30	231.56
10 11 13 33-0059 EA 10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,675.04	245.19
10 11 13 33-0060 EA 10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,786.58	245.19
<b>10 11 13 33-0061 Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0051)</small>		
10 11 13 33-0062 EA 10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,605.39	217.95
10 11 13 33-0063 EA 10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,907.10	217.95
10 11 13 33-0064 EA 10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	13,245.07	224.76
10 11 13 33-0065 EA 10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	13,859.32	224.76
10 11 13 33-0066 EA 10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,471.43	231.56
10 11 13 33-0067 EA 10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,055.14	231.56
10 11 13 33-0068 EA 10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,242.49	245.19
10 11 13 33-0069 EA 10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,419.26	245.19
<b>10 11 13 33-0070 Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0051)</small>		
10 11 13 33-0071 EA 10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,364.78	217.95
10 11 13 33-0072 EA 10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	17,126.24	217.95
10 11 13 33-0073 EA 10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	17,530.82	224.76
10 11 13 33-0074 EA 10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,329.52	224.76
10 11 13 33-0075 EA 10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	19,170.43	231.56
10 11 13 33-0076 EA 10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	19,977.99	231.56
10 11 13 33-0077 EA 10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	21,573.47	245.19
10 11 13 33-0078 EA 10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	21,884.44	245.19
<b>10 11 13 33-0079 Sliding Chalkboard And Markerboard Accessories</b> <small>(10 11 13 33)</small>		
10 11 13 33-0080 EA One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	601.11	
10 11 13 33-0081 EA Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	1,025.78	
<b>10 11 16 Markerboards</b> <small>(10 11)</small>		
<b>10 11 16 13 Fixed Markerboards</b> <small>(10 11 16)</small>		
Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.		
<b>10 11 16 13-0001 Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 13)</small>		

<b>10</b>	<b>10</b> <b>Specialties</b>
	<b>10 10</b> <b>Information Specialties</b>
	<b>10 11</b> <b>Visual Display Units</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 11 16 13-0002</b> <b>5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series)</b> <small>(10 11 16 13-0001)</small> Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0003 SF    Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	46.77	9.27
10 11 16 13-0004 SF    >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	30.15	4.36
10 11 16 13-0005 SF    >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	25.56	3.76
10 11 16 13-0006 SF    >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	21.32	2.45
10 11 16 13-0007 SF    >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	17.34	1.36
<b>10 11 16 13-0008</b> <b>1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series)</b> <small>(10 11 16 13-0001)</small> Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0009 SF    Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	49.24	9.27
10 11 16 13-0010 SF    >6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	30.89	4.36
10 11 16 13-0011 SF    >12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	26.67	3.76
10 11 16 13-0012 SF    >16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	22.72	2.45
10 11 16 13-0013 SF    >24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	19.63	1.36
<b>10 11 16 13-0014</b> <b>1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series)</b> <small>(10 11 16 13-0001)</small> Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.		
10 11 16 13-0015 SF    Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	44.97	9.27
10 11 16 13-0016 SF    >6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	27.94	4.36
10 11 16 13-0017 SF    >12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	25.19	3.76
10 11 16 13-0018 SF    >16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	19.93	2.45
10 11 16 13-0019 SF    >24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	15.83	1.36
<b>10 11 16 13-0020</b> <b>Melamine Markerboards</b> <small>(10 11 16 13)</small>		
<b>10 11 16 13-0021</b> <b>1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series)</b> <small>(10 11 16 13-0020)</small> Note: Includes full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0022 SF    Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard .....	37.41	9.27
10 11 16 13-0023 SF    >6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	22.73	4.36
10 11 16 13-0024 SF    >12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	19.71	3.76
10 11 16 13-0025 SF    >16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	14.75	2.45
10 11 16 13-0026 SF    >24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	11.88	1.36
<b>10 11 16 13-0027</b> <b>1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series)</b> <small>(10 11 16 13-0020)</small> Note: Includes marker tray and mounting hardware.		
10 11 16 13-0028 SF    Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	36.57	9.27
10 11 16 13-0029 SF    >6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard .....	22.33	4.36
10 11 16 13-0030 SF    >12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard .....	19.16	3.76
10 11 16 13-0031 SF    >16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard .....	13.77	2.45
10 11 16 13-0032 SF    >24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard .....	10.98	1.36
<b>10 11 16 13-0033</b> <b>Nonporous, Non-Staining Markerboards</b> <small>(10 11 16 13)</small>		
<b>10 11 16 13-0034</b> <b>5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series)</b> <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0035 SF    Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	52.78	9.27
For Magnetic Surface, Add	3.43	
10 11 16 13-0036 SF    >6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard .....	34.79	4.36
For Magnetic Surface, Add	2.61	
10 11 16 13-0037 SF    >12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard .....	30.00	3.76
For Magnetic Surface, Add	2.25	
10 11 16 13-0038 SF    >16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard .....	26.50	2.45
For Magnetic Surface, Add	2.16	
10 11 16 13-0039 SF    >24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard .....	22.87	1.36
For Magnetic Surface, Add	2.01	
<b>10 11 16 13-0040</b> <b>1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series)</b> <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041 SF    Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	52.78	9.27
For Magnetic Surface, Add	3.43	
10 11 16 13-0042 SF    >6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	34.79	4.36
For Magnetic Surface, Add	2.61	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0043 SF >12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	30.00 2.25	3.76
10 11 16 13-0044 SF >16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	26.50 2.16	2.45
10 11 16 13-0045 SF >24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	22.87 2.01	1.36
<b>10 11 16 13-0046 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) (10 11 16 13-0033)</b> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0047 SF Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	95.23 7.67	9.27
10 11 16 13-0048 SF >6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	60.30 5.16	4.36
10 11 16 13-0049 SF >12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	50.95 4.34	3.76
10 11 16 13-0050 SF >16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	43.07 3.82	2.45
10 11 16 13-0051 SF >24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	33.45 3.07	1.36
<b>10 11 16 13-0052 Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) (10 11 16 13-0033)</b> Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface, 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053 SF Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	23.72	3.76
10 11 16 13-0054 SF >16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	20.26	2.45
10 11 16 13-0055 SF >24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	17.04	1.36
<b>10 11 16 13-0056 Removal And Reinstallation Of Markerboard (10 11 16 13)</b> Note: Includes storage and cleaning.		
10 11 16 13-0057 EA Up To 6 SF, Removal And Reinstallation Of Markerboard.....	65.38	
10 11 16 13-0058 EA >6 To 12 SF, Removal And Reinstallation Of Markerboard.....	76.28	
10 11 16 13-0059 EA >12 To 16 SF, Removal And Reinstallation Of Markerboard.....	87.18	
10 11 16 13-0060 EA >16 To 24 SF, Removal And Reinstallation Of Markerboard.....	98.07	
10 11 16 13-0061 EA >24 SF, Removal And Reinstallation Of Markerboard.....	108.97	
<b>10 11 16 13-0062 Field Applied Markerboard And Accessories (10 11 16 13)</b>		
<b>10 11 16 13-0063 Markerboard Face Sheets And Panels (10 11 16 13-0062)</b>		
10 11 16 13-0064 SF Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS)..... Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	15.42	4.36
10 11 16 13-0065 SF Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick)..... Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	18.02	4.36
10 11 16 13-0066 SF Porcelain Enamel Steel Markerboard Panel (Claridge LCS)..... Note: Includes porcelain enamel steel surface mounted on either 3/8" particle board or 1/4" hardboard core with an aluminum moisture barrier back.	17.96	4.36
10 11 16 13-0067 SF Melamine Markerboard Panel (Claridge 1032)..... Note: Includes 1/4" thick melamine panel.	10.71	4.36
<b>10 11 16 13-0068 Chalkboard And Markerboard Accessory Trays And Trim (10 11 16 13-0062)</b> See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.		
<b>10 11 16 33 Rail-Mounted Markerboards (10 11 16)</b>		
<b>10 11 16 33-0001 Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) (10 11 16 33)</b>		
<b>10 11 16 33-0002 Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards (10 11 16 33-0001)</b>		
10 11 16 33-0003 EA 4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,074.29	108.97
10 11 16 33-0004 EA 4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,321.61	108.97
10 11 16 33-0005 EA 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,624.48	116.06
10 11 16 33-0006 EA 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,913.18	116.06
10 11 16 33-0007 EA 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,631.17	124.77
10 11 16 33-0008 EA 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,859.76	124.77
10 11 16 33-0009 EA 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,351.60	130.77
10 11 16 33-0010 EA 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,923.09	130.77
<b>10 11 16 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards (10 11 16 33-0001)</b>		
10 11 16 33-0012 EA 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,836.93	108.97



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0013	EA		4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,358.16	108.97
10 11 16 33-0014	EA		4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,838.39	116.06
10 11 16 33-0015	EA		4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,316.27	116.06
10 11 16 33-0016	EA		4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,918.00	124.77
10 11 16 33-0017	EA		4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,123.93	124.77
10 11 16 33-0018	EA		4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	6,001.03	130.77
10 11 16 33-0019	EA		4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	6,699.62	130.77
<b>10 11 16 33-0020</b>			<b>Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0001)</small>		
10 11 16 33-0021	EA		4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,162.09	108.97
10 11 16 33-0022	EA		4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,586.76	108.97
10 11 16 33-0023	EA		4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,048.26	116.06
10 11 16 33-0024	EA		4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,536.98	116.06
10 11 16 33-0025	EA		4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,493.42	124.77
10 11 16 33-0026	EA		4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,713.15	124.77
10 11 16 33-0027	EA		4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	6,739.03	130.77
10 11 16 33-0028	EA		4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	7,539.11	130.77
<b>10 11 16 33-0029</b>			<b>Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series)</b> <small>(10 11 16 33)</small>		
<b>10 11 16 33-0030</b>			<b>One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0029)</small>		
10 11 16 33-0031	EA		8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,472.36	108.97
10 11 16 33-0032	EA		8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,721.65	108.97
10 11 16 33-0033	EA		8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,971.31	116.06
10 11 16 33-0034	EA		8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,401.89	116.06
10 11 16 33-0035	EA		8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,715.91	124.77
10 11 16 33-0036	EA		8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,112.00	124.77
<b>10 11 16 33-0037</b>			<b>Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0029)</small>		
10 11 16 33-0038	EA		8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,599.57	108.97
10 11 16 33-0039	EA		8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,982.86	108.97
10 11 16 33-0040	EA		8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,368.49	116.06
10 11 16 33-0041	EA		8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	5,071.03	116.06
10 11 16 33-0042	EA		8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	5,497.36	124.77
10 11 16 33-0043	EA		8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	6,131.91	124.77
<b>10 11 16 33-0044</b>			<b>Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0029)</small>		
10 11 16 33-0045	EA		8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,899.21	108.97
10 11 16 33-0046	EA		8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	5,419.45	108.97
10 11 16 33-0047	EA		8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	5,942.05	116.06
10 11 16 33-0048	EA		8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	6,915.55	116.06
10 11 16 33-0049	EA		8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,466.03	124.77
10 11 16 33-0050	EA		8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,356.76	124.77
<b>10 11 16 33-0051</b>			<b>Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series)</b> <small>(10 11 16 33)</small>		
			Note: Excludes remotes.		
<b>10 11 16 33-0052</b>			<b>One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0051)</small>		
10 11 16 33-0053	EA		10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,985.42	217.95
10 11 16 33-0054	EA		10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,203.18	217.95
10 11 16 33-0055	EA		10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,448.34	224.76
10 11 16 33-0056	EA		10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,845.42	224.76
10 11 16 33-0057	EA		10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,287.67	231.56
10 11 16 33-0058	EA		10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,669.97	231.56
10 11 16 33-0059	EA		10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	10,528.82	245.19
10 11 16 33-0060	EA		10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	10,619.47	245.19
<b>10 11 16 33-0061</b>			<b>Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0051)</small>		
10 11 16 33-0062	EA		10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	12,521.84	217.95
10 11 16 33-0063	EA		10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	12,802.65	217.95
10 11 16 33-0064	EA		10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	13,119.74	224.76
10 11 16 33-0065	EA		10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	13,692.21	224.76
10 11 16 33-0066	EA		10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	14,262.55	231.56
10 11 16 33-0067	EA		10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	14,804.47	231.56
10 11 16 33-0068	EA		10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	15,950.05	245.19
10 11 16 33-0069	EA		10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	16,085.04	245.19





<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 11 16 33-0070	<b>Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0051)</small>		
10 11 16 33-0071	EA 10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	16,239.45	217.95
10 11 16 33-0072	EA 10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	16,969.57	217.95
10 11 16 33-0073	EA 10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	17,342.82	224.76
10 11 16 33-0074	EA 10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	18,078.86	224.76
10 11 16 33-0075	EA 10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	18,857.09	231.56
10 11 16 33-0076	EA 10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	19,602.00	231.56
10 11 16 33-0077	EA 10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	21,134.80	245.19
10 11 16 33-0078	EA 10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	21,383.11	245.19

10 11 16 33-0079 **Sliding Chalkboard And Markerboard Accessories** (10 11 16 33)  
See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.

**10 11 23 Tackboards** (10 11)

**10 11 23 13 Fixed Tackboards** (10 11 23)

Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.

10 11 23 13-0001 **Fixed Tackboards** (10 11 23 13)

Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.

10 11 23 13-0002 **Cork Surface, Fixed Tackboards** (10 11 23 13-0001)

Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.

10 11 23 13-0003 **5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series)** (10 11 23 13-0002)

10 11 23 13-0004	SF Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	31.74	9.27
10 11 23 13-0005	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	17.92	4.36
10 11 23 13-0006	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	15.53	3.76
10 11 23 13-0007	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	12.29	2.45
10 11 23 13-0008	SF >24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	9.94	1.36

10 11 23 13-0009 **1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series)** (10 11 23 13-0002)

10 11 23 13-0010	SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard .....	33.30	9.27
10 11 23 13-0011	SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	18.64	4.36
10 11 23 13-0012	SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	15.16	3.76
10 11 23 13-0013	SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	11.72	2.45
10 11 23 13-0014	SF >24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	9.04	1.36

10 11 23 13-0015 **1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series)** (10 11 23 13-0002)

10 11 23 13-0016	SF Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	33.46	9.27
10 11 23 13-0017	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard .....	20.16	4.36
10 11 23 13-0018	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	18.60	3.76
10 11 23 13-0019	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	14.22	2.45
10 11 23 13-0020	SF >24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	11.14	1.36

10 11 23 13-0021 **Burlap Backed Cork Surface, Fixed Tackboards** (10 11 23 13-0001)  
Note: Includes burlap backed 1/4" self healing cork surface, unmounted or mounted on hardboard.

10 11 23 13-0022 **5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series)** (10 11 23 13-0021)

10 11 23 13-0023	SF Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard .....	36.26	9.27
10 11 23 13-0024	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	23.34	4.36
10 11 23 13-0025	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	21.25	3.76
10 11 23 13-0026	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	18.04	2.45
10 11 23 13-0027	SF >24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	15.79	1.36

10 11 23 13-0028 **1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series)** (10 11 23 13-0021)

10 11 23 13-0029	SF Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	40.03	9.27
10 11 23 13-0030	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard .....	27.37	4.36
10 11 23 13-0031	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard .....	25.32	3.76
10 11 23 13-0032	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard .....	20.99	2.45
10 11 23 13-0033	SF >24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard .....	17.94	1.36

10 11 23 13-0034 **Polyester Fabric Surface, Fixed Tackboards** (10 11 23 13-0001)

Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.

<b>10</b>	<b>10</b>	<b>Specialties</b>
	<b>10 10</b>	<b>Information Specialties</b>
	<b>10 11</b>	<b>Visual Display Units</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 11 23 13-0035			<b>5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series)</b> <small>(10 11 23 13-0034)</small>		
10 11 23 13-0036	SF		Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	32.81	9.27
10 11 23 13-0037	SF		>6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	19.23	4.36
10 11 23 13-0038	SF		>12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	17.00	3.76
10 11 23 13-0039	SF		>16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	13.81	2.45
10 11 23 13-0040	SF		>24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	11.29	1.36

10 11 23 13-0041			<b>1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series)</b> <small>(10 11 23 13-0034)</small>		
10 11 23 13-0042	SF		Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	34.94	9.27
10 11 23 13-0043	SF		>6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	22.00	4.36
10 11 23 13-0044	SF		>12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	20.33	3.76
10 11 23 13-0045	SF		>16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	16.11	2.45
10 11 23 13-0046	SF		>24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	13.11	1.36

10 11 23 13-0047			<b>Vinyl Fabric Surface, Fixed Tackboards</b> <small>(10 11 23 13-0001)</small> Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048			<b>5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series)</b> <small>(10 11 23 13-0047)</small>		
10 11 23 13-0049	SF		Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	31.74	9.27
10 11 23 13-0050	SF		>6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	18.00	4.36
10 11 23 13-0051	SF		>12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	15.65	3.76
10 11 23 13-0052	SF		>16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	12.29	2.45
10 11 23 13-0053	SF		>24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	9.75	1.36

10 11 23 13-0054			<b>1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series)</b> <small>(10 11 23 13-0047)</small>		
10 11 23 13-0055	SF		Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	33.46	9.27
10 11 23 13-0056	SF		>6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	20.92	4.36
10 11 23 13-0057	SF		>12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	18.60	3.76
10 11 23 13-0058	SF		>16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	14.22	2.45
10 11 23 13-0059	SF		4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	11.14	1.36

**10 12 Display Cases** (10 10)

10 12 00 00-0001			<b>Counter Display Cases</b> <small>(10 12)</small>		
10 12 00 00-0002	EA		30" x 12" x 36" Counter Display Cases.....	1,591.70	166.95
10 12 00 00-0003	EA		30" x 12" x 48" Counter Display Cases.....	1,717.89	166.95
10 12 00 00-0004	EA		30" x 18" x 36" Counter Display Cases.....	1,666.50	166.95
10 12 00 00-0005	EA		30" x 18" x 48" Counter Display Cases.....	1,645.90	74.21

10 12 00 00-0006			<b>Upright Display Case</b> <small>(10 12)</small>		
10 12 00 00-0007	EA		72 In x 20 In x 70 In Upright Display Case.....	3,303.38	166.95

10 12 00 00-0008			<b>Full Vision Display Case</b> <small>(10 12)</small>		
10 12 00 00-0009	EA		38 In x 20 In x 70 In Full Vision Display Case.....	2,162.22	166.95

**10 13 Directories** (10 10)

**10 13 11 Directory and Bulletin Boards** (10 13)

Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.

10 13 11 00-0001			<b>Wall Mounted Directories</b> <small>(10 13 11)</small> Note: Includes changeable letters.		
10 13 11 00-0002			<b>Open Face, Wall Mounted Directories</b> <small>(10 13 11 00-0001)</small> Note: Includes vinyl or felt back panel.		
10 13 11 00-0003			<b>Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series)</b> <small>(10 13 11 00-0002)</small>		
10 13 11 00-0004	SF		Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory.....	51.69	9.27
10 13 11 00-0005	SF		>6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory.....	33.60	4.36
10 13 11 00-0006	SF		>12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory.....	30.51	3.76
10 13 11 00-0007	SF		>16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory.....	23.25	2.45
10 13 11 00-0008	SF		>24 SF, Wood Frame, Open Face, Wall Mounted Directory.....	18.50	1.36

10 13 11 00-0009			<b>Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series)</b> <small>(10 13 11 00-0002)</small>		
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<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Directories</b>	<b>10 13</b>

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0010 SF Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory ..... <i>For Bronze Anodize Finish, Add</i>	52.19 12.00	9.27
10 13 11 00-0011 SF >6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory..... <i>For Bronze Anodize Finish, Add</i>	33.93 12.00	4.36
10 13 11 00-0012 SF >12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory..... <i>For Bronze Anodize Finish, Add</i>	31.17 12.00	3.76
10 13 11 00-0013 SF >16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory..... <i>For Bronze Anodize Finish, Add</i>	22.18 12.00	2.45
10 13 11 00-0014 SF >24 SF, Aluminum Frame, Open Face, Wall Mounted Directory..... <i>For Bronze Anodize Finish, Add</i>	18.99 12.00	1.36
<b>10 13 11 00-0015 Glass Encased, Wall Mounted Directory Cabinets</b> <small>(10 13 11 00-0001)</small> Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
<b>10 13 11 00-0016 Wood Frame, Glass Encased, Wall Mounted Directory Cabinets</b> <small>(10 13 11 00-0015)</small>		
<b>10 13 11 00-0017 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series)</b> <small>(10 13 11 00-0016)</small>		
10 13 11 00-0018 SF Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	125.76 15.00	9.27
10 13 11 00-0019 SF >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	100.44 15.00	4.36
10 13 11 00-0020 SF >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	84.13 15.00	3.76
10 13 11 00-0021 SF >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	77.77 15.00	2.45
10 13 11 00-0022 SF >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	70.22 15.00	1.36
<b>10 13 11 00-0023 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series)</b> <small>(10 13 11 00-0016)</small>		
10 13 11 00-0024 SF Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	108.35 15.00	9.27
10 13 11 00-0025 SF >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	86.87 15.00	3.76
10 13 11 00-0026 SF >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	62.25 15.00	2.45
10 13 11 00-0027 SF >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	55.94 15.00	1.36
<b>10 13 11 00-0028 Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets</b> <small>(10 13 11 00-0015)</small>		
<b>10 13 11 00-0029 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series)</b> <small>(10 13 11 00-0028)</small>		
10 13 11 00-0030 SF Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	112.70 15.00 12.00 18.84	9.27
10 13 11 00-0031 SF >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	86.90 15.00 12.00 15.64	4.36
10 13 11 00-0032 SF >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	73.55 15.00 12.00 13.21	3.76
10 13 11 00-0033 SF >16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	54.01 15.00 12.00 9.82	2.45
10 13 11 00-0034 SF >24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	50.28 15.00 12.00 9.51	1.36
<b>10 13 11 00-0035 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series)</b> <small>(10 13 11 00-0028)</small>		
10 13 11 00-0036 SF Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	172.98 15.00 12.00 30.89	9.27
10 13 11 00-0037 SF >6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	100.37 15.00 12.00 18.33	4.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0038 SF >12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	84.57	3.76
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	15.41	
10 13 11 00-0039 SF >16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	65.13	2.45
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	12.05	
10 13 11 00-0040 SF >24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	60.13	1.36
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	11.48	
<b>10 13 11 00-0041 Outdoor, Glass Encased, Wall Mounted Directory Cabinets</b> (10 13 11 00-0001)		
Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
<b>10 13 11 00-0042 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets</b> (10 13 11 00-0041)		
<b>10 13 11 00-0043 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series)</b> (10 13 11 00-0042)		
10 13 11 00-0044 SF Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet.....	169.93	9.27
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
10 13 11 00-0045 SF >6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet.....	113.26	4.36
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
10 13 11 00-0046 SF >12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet.....	109.99	3.76
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
<b>10 13 11 00-0047 Wall Mounted Bulletin Boards</b> (10 13 11)		
<b>10 13 11 00-0048 Glass Encased, Wall Mounted Bulletin Board Cabinets</b> (10 13 11 00-0047)		
Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
<b>10 13 11 00-0049 Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets</b> (10 13 11 00-0048)		
<b>10 13 11 00-0050 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series)</b> (10 13 11 00-0049)		
10 13 11 00-0051 SF Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	122.80	9.27
For Fluorescent Lights, Add	15.00	
10 13 11 00-0052 SF >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	98.22	4.36
For Fluorescent Lights, Add	15.00	
10 13 11 00-0053 SF >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	81.91	3.76
For Fluorescent Lights, Add	15.00	
10 13 11 00-0054 SF >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	75.68	2.45
For Fluorescent Lights, Add	15.00	
10 13 11 00-0055 SF >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	69.24	1.36
For Fluorescent Lights, Add	15.00	
<b>10 13 11 00-0056 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series)</b> (10 13 11 00-0049)		
10 13 11 00-0057 SF Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	103.09	9.27
For Fluorescent Lights, Add	15.00	
10 13 11 00-0058 SF >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	81.88	3.76
For Fluorescent Lights, Add	15.00	
10 13 11 00-0059 SF >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	58.39	2.45
For Fluorescent Lights, Add	15.00	
10 13 11 00-0060 SF >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	52.98	1.36
For Fluorescent Lights, Add	15.00	
<b>10 13 11 00-0061 Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets</b> (10 13 11 00-0049)		
<b>10 13 11 00-0062 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series)</b> (10 13 11 00-0061)		
10 13 11 00-0063 SF Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	115.41	9.27
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	19.38	
10 13 11 00-0064 SF >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	89.60	4.36
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	16.18	



<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Directories</b>	<b>10 13</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0065 SF >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	76.25 15.00 12.00 13.75	3.76
10 13 11 00-0066 SF >16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	56.71 15.00 12.00 10.36	2.45
10 13 11 00-0067 SF >24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	52.98 15.00 12.00 10.05	1.36
<b>10 13 11 00-0068 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) <small>(10 13 11 00-0061)</small></b>		
10 13 11 00-0069 SF Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	175.68 15.00 12.00 31.43	9.27
10 13 11 00-0070 SF >6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	103.06 15.00 12.00 18.87	4.36
10 13 11 00-0071 SF >12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	87.27 15.00 12.00 15.95	3.76
10 13 11 00-0072 SF >16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	67.84 15.00 12.00 12.59	2.45
10 13 11 00-0073 SF >24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	62.83 15.00 12.00 12.02	1.36
<b>10 13 11 00-0074 Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0047)</small></b> Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
<b>10 13 11 00-0075 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0074)</small></b>		
<b>10 13 11 00-0076 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0075)</small></b>		
10 13 11 00-0077 SF Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	167.23 15.00 12.00	9.27
10 13 11 00-0078 SF >6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	110.56 15.00 12.00	4.36
10 13 11 00-0079 SF >12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	107.32 15.00 12.00	3.76
<b>10 13 11 00-0080 Wall Mounted Menu Boards <small>(10 13 11)</small></b>		
10 13 11 00-0081 SF Stainless Steel Changeable Letter Type Menu Board ..... <i>For Attaching Board To Gypsum Board Walls, Add</i> <i>For Illumination, Add</i> <i>For Exterior Construction Waterproof, Add</i>	74.51 14.17 18.63 5.54	15.26
<b>10 14 Signage <small>(10 10)</small></b> Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection wiring, 26 05 83 00-0130 for terminations.		
<b>10 14 16 Plaques <small>(10 14)</small></b> Note: Includes minimum 1/4" to 3/8" plaque with custom 1/4" raised lettering and emblem casting. Sizes one to four SF each.		
<b>10 14 16 00-0001 Metal Cased Plaque <small>(10 14 16)</small></b>		
10 14 16 00-0002 SF Bronze Cast Plaque With lettering Including Emblem Size 1-4 SF Each ..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10 Each, Deduct</i>	658.56 -71.35 -126.32	27.23
10 14 16 00-0003 SF Aluminum Cast Plaque With lettering Including Emblem Size 1-4 SF Each ..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10 Each, Deduct</i>	346.42 -37.02 -60.77	27.23
<b>10 14 16 00-0004 Metal Engraved Plaque, Etched <small>(10 14 16)</small></b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 16 00-0005 SF Porcelainized Steel Engraved Plaque Including Emblem Size 1-4 SF Each.....	378.76	27.23
For >5 To 10, Deduct	-40.57	
For >10 Each, Deduct	-67.56	
10 14 16 00-0006 SF Stainless Steel Engraved Plaque Including Emblem Size 1-4 SF Each.....	354.23	27.23
For >5 To 10, Deduct	-37.88	
For >10 Each, Deduct	-62.41	
10 14 16 00-0007 SF Brass Engraved Plaque Including Emblem Size 1-4 SF Each.....	248.30	27.23
For >5 To 10, Deduct	-26.22	
For >10 Each, Deduct	-40.16	
10 14 16 00-0008 SF Aluminum Engraved Plaque Including Emblem Size 1-4 SF Each.....	240.49	27.23
For >5 To 10, Deduct	-25.36	
For >10 Each, Deduct	-38.52	
<b>10 14 16 00-0009 Metal Built-Up Plaque (10 14 16)</b>		
10 14 16 00-0010 SF Bronze Built-up Plaque.....	489.04	33.76
Note: Including Emblem Size 1-4 SF Each		
For >5 To 10, Deduct	-52.43	
For >10 Each, Deduct	-87.72	
10 14 16 00-0011 SF Copper And Bronze Built-up Plaque.....	499.73	33.76
Note: Including Emblem Size 1-4 SF Each		
For >5 To 10, Deduct	-53.61	
For >10 Each, Deduct	-89.97	
10 14 16 00-0012 SF Copper And Aluminum Built-up Plaque.....	389.27	33.76
Note: Including Emblem Size 1-4 SF Each		
For >5 To 10, Deduct	-41.46	
For >10 Each, Deduct	-66.77	
10 14 16 00-0013 SF Bronze Built-up Dedication Plaque.....	572.87	68.08
Note: Including Raised Bronze Lettering		
For >5 To 10, Deduct	-61.65	
For >10 Each, Deduct	-105.33	
10 14 16 00-0014 SF Bronze Built-up Plaque.....	483.74	68.08
Note: Including Raised Bronze Lettering		
For >5 To 10, Deduct	-51.85	
For >10 Each, Deduct	-86.61	
<b>10 14 16 00-0015 Metal Nameplate Plaques (10 14 16)</b>		
10 14 16 00-0016 SF Cast Bronze Nameplate Plaque Including Emblem Size 1-4 SF Each.....	250.87	18.52
For >5 To 10, Deduct	-26.87	
For >10 Each, Deduct	-44.69	
10 14 16 00-0017 SF Cast Aluminum Nameplate Plaque Including Emblem Size 1-4 SF Each.....	267.78	18.52
For >5 To 10, Deduct	-28.73	
For >10 Each, Deduct	-48.24	
10 14 16 00-0018 EA 1-1/2" x 6" Engraved Bronze Nameplate Including Emblem Size 1-4 SF Each.....	179.58	18.52
For >5 To 10, Deduct	-19.03	
For >10 Each, Deduct	-29.72	
10 14 16 00-0019 EA 1-1/2" x 6" Engraved Aluminum Nameplate Including Emblem Size 1-4 SF Each.....	139.55	18.52
For >5 To 10, Deduct	-14.62	
For >10 Each, Deduct	-21.31	
10 14 16 00-0020 SF Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9').....	471.00	68.08
For >5 To 10, Deduct	-50.45	
For >10 Each, Deduct	-83.93	
<b>10 14 19 Dimensional Letter Signage (10 14)</b>		
Note: Mounted on masonry or concrete.		
<b>10 14 19 00-0001 Cast Characters (10 14 19)</b>		
Note: Any font.		
<b>10 14 19 00-0002 Satin Finish, Cast Aluminum Characters (10 14 19 00-0001)</b>		
10 14 19 00-0003 EA 2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs.....	49.61	6.81
For Installation With Adhesive, Deduct	-5.20	
For Clear Anodized, Add	2.24	
For Satin Face And Enameled Return, Add	6.71	
For Patina Finish, Add	8.95	
For Color Anodized, Add	11.19	
10 14 19 00-0004 EA 3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs.....	58.69	7.35
For Installation With Adhesive, Deduct	-5.88	
For Clear Anodized, Add	2.93	
For Satin Face And Enameled Return, Add	8.78	
For Patina Finish, Add	11.71	
For Color Anodized, Add	14.64	
10 14 19 00-0005 EA 4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs.....	64.31	7.89
For Installation With Adhesive, Deduct	-6.37	
For Clear Anodized, Add	3.27	
For Satin Face And Enameled Return, Add	9.82	
For Patina Finish, Add	13.09	
For Color Anodized, Add	16.36	
10 14 19 00-0006 EA 5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs.....	73.83	9.04
For Installation With Adhesive, Deduct	-7.29	
For Clear Anodized, Add	3.79	
For Satin Face And Enameled Return, Add	11.36	
For Patina Finish, Add	15.15	
For Color Anodized, Add	18.94	



<b>Specialties</b>	<b>10</b>
Information Specialties	10 10
Signage	10 14

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0007	EA		6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	81.17	9.53
			<i>For Installation With Adhesive, Deduct</i>	-7.87	
			<i>For Clear Anodized, Add</i>	4.31	
			<i>For Satin Face And Enameled Return, Add</i>	12.92	
			<i>For Patina Finish, Add</i>	17.22	
			<i>For Color Anodized, Add</i>	21.53	
10 14 19 00-0008	EA		8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	96.95	10.89
			<i>For Installation With Adhesive, Deduct</i>	-9.20	
			<i>For Clear Anodized, Add</i>	5.34	
			<i>For Satin Face And Enameled Return, Add</i>	16.01	
			<i>For Patina Finish, Add</i>	21.35	
			<i>For Color Anodized, Add</i>	26.69	
10 14 19 00-0009	EA		9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	107.74	11.44
			<i>For Installation With Adhesive, Deduct</i>	-9.96	
			<i>For Clear Anodized, Add</i>	6.20	
			<i>For Satin Face And Enameled Return, Add</i>	18.60	
			<i>For Patina Finish, Add</i>	24.80	
			<i>For Color Anodized, Add</i>	31.00	
10 14 19 00-0010	EA		10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	123.05	12.25
			<i>For Installation With Adhesive, Deduct</i>	-11.05	
			<i>For Clear Anodized, Add</i>	7.40	
			<i>For Satin Face And Enameled Return, Add</i>	22.21	
			<i>For Patina Finish, Add</i>	29.62	
			<i>For Color Anodized, Add</i>	37.02	
10 14 19 00-0011	EA		12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	149.63	14.16
			<i>For Installation With Adhesive, Deduct</i>	-13.15	
			<i>For Clear Anodized, Add</i>	9.30	
			<i>For Satin Face And Enameled Return, Add</i>	27.89	
			<i>For Patina Finish, Add</i>	37.19	
			<i>For Color Anodized, Add</i>	46.49	
10 14 19 00-0012	EA		14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	179.00	16.34
			<i>For Installation With Adhesive, Deduct</i>	-15.49	
			<i>For Clear Anodized, Add</i>	11.37	
			<i>For Satin Face And Enameled Return, Add</i>	34.10	
			<i>For Patina Finish, Add</i>	45.46	
			<i>For Color Anodized, Add</i>	56.83	
10 14 19 00-0013	EA		15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	196.63	18.16
			<i>For Installation With Adhesive, Deduct</i>	-17.10	
			<i>For Clear Anodized, Add</i>	12.40	
			<i>For Satin Face And Enameled Return, Add</i>	37.19	
			<i>For Patina Finish, Add</i>	49.59	
			<i>For Color Anodized, Add</i>	61.99	
10 14 19 00-0014	EA		16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	219.63	19.61
			<i>For Installation With Adhesive, Deduct</i>	-18.82	
			<i>For Clear Anodized, Add</i>	14.12	
			<i>For Satin Face And Enameled Return, Add</i>	42.36	
			<i>For Patina Finish, Add</i>	56.48	
			<i>For Color Anodized, Add</i>	70.60	
10 14 19 00-0015	EA		18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	266.22	21.78
			<i>For Installation With Adhesive, Deduct</i>	-22.03	
			<i>For Clear Anodized, Add</i>	17.91	
			<i>For Satin Face And Enameled Return, Add</i>	53.72	
			<i>For Patina Finish, Add</i>	71.63	
			<i>For Color Anodized, Add</i>	89.54	
10 14 19 00-0016	EA		20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	321.88	24.51
			<i>For Installation With Adhesive, Deduct</i>	-25.90	
			<i>For Clear Anodized, Add</i>	22.39	
			<i>For Satin Face And Enameled Return, Add</i>	67.16	
			<i>For Patina Finish, Add</i>	89.54	
			<i>For Color Anodized, Add</i>	111.93	
10 14 19 00-0017	EA		24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	387.87	27.23
			<i>For Installation With Adhesive, Deduct</i>	-30.29	
			<i>For Clear Anodized, Add</i>	27.90	
			<i>For Satin Face And Enameled Return, Add</i>	83.69	
			<i>For Patina Finish, Add</i>	111.58	
			<i>For Color Anodized, Add</i>	139.48	
10 14 19 00-0018	<b>Satin Finish, Cast Bronze Characters</b> <small>(10 14 19 00-0001)</small>				
10 14 19 00-0019	EA		2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs .....	60.23	7.49
			<i>For Installation With Adhesive, Deduct</i>	-6.01	
			<i>For Oxidized Finish, Add</i>	4.54	
			<i>For Polished Or Patina Finish, Add</i>	9.08	
10 14 19 00-0020	EA		3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs .....	86.01	8.17
			<i>For Installation With Adhesive, Deduct</i>	-7.57	
			<i>For Oxidized Finish, Add</i>	8.00	
			<i>For Polished Or Patina Finish, Add</i>	16.00	
10 14 19 00-0021	EA		4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs .....	93.96	8.72
			<i>For Installation With Adhesive, Deduct</i>	-8.18	
			<i>For Oxidized Finish, Add</i>	8.87	
			<i>For Polished Or Patina Finish, Add</i>	17.73	
10 14 19 00-0022	EA		5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs .....	114.16	9.80
			<i>For Installation With Adhesive, Deduct</i>	-9.63	
			<i>For Oxidized Finish, Add</i>	11.24	
			<i>For Polished Or Patina Finish, Add</i>	22.49	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0023	EA		6" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	126.98	10.46
			<i>For Installation With Adhesive, Deduct</i>	-10.54	
			<i>For Oxidized Finish, Add</i>	12.76	
			<i>For Polished Or Patina Finish, Add</i>	25.51	
10 14 19 00-0024	EA		8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	169.01	11.98
			<i>For Installation With Adhesive, Deduct</i>	-13.24	
			<i>For Oxidized Finish, Add</i>	18.16	
			<i>For Polished Or Patina Finish, Add</i>	36.32	
10 14 19 00-0025	EA		9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	192.80	12.52
			<i>For Installation With Adhesive, Deduct</i>	-14.65	
			<i>For Oxidized Finish, Add</i>	21.41	
			<i>For Polished Or Patina Finish, Add</i>	42.81	
10 14 19 00-0026	EA		10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	215.90	13.62
			<i>For Installation With Adhesive, Deduct</i>	-16.24	
			<i>For Oxidized Finish, Add</i>	24.22	
			<i>For Polished Or Patina Finish, Add</i>	48.43	
10 14 19 00-0027	EA		12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	256.33	15.79
			<i>For Installation With Adhesive, Deduct</i>	-19.13	
			<i>For Oxidized Finish, Add</i>	28.97	
			<i>For Polished Or Patina Finish, Add</i>	57.95	
10 14 19 00-0028	EA		14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	301.08	17.97
			<i>For Installation With Adhesive, Deduct</i>	-22.24	
			<i>For Oxidized Finish, Add</i>	34.38	
			<i>For Polished Or Patina Finish, Add</i>	68.76	
10 14 19 00-0029	EA		15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	356.69	21.78
			<i>For Installation With Adhesive, Deduct</i>	-26.55	
			<i>For Oxidized Finish, Add</i>	40.43	
			<i>For Polished Or Patina Finish, Add</i>	80.87	
10 14 19 00-0030	EA		16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	370.43	23.42
			<i>For Installation With Adhesive, Deduct</i>	-27.89	
			<i>For Oxidized Finish, Add</i>	41.51	
			<i>For Polished Or Patina Finish, Add</i>	83.03	
10 14 19 00-0031	EA		18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	525.49	27.23
			<i>For Installation With Adhesive, Deduct</i>	-37.17	
			<i>For Oxidized Finish, Add</i>	62.49	
			<i>For Polished Or Patina Finish, Add</i>	124.97	
10 14 19 00-0032	EA		20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	632.81	30.64
			<i>For Installation With Adhesive, Deduct</i>	-43.89	
			<i>For Oxidized Finish, Add</i>	76.54	
			<i>For Polished Or Patina Finish, Add</i>	153.08	
10 14 19 00-0033	EA		24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	804.67	35.40
			<i>For Installation With Adhesive, Deduct</i>	-54.39	
			<i>For Oxidized Finish, Add</i>	99.46	
			<i>For Polished Or Patina Finish, Add</i>	198.92	
10 14 19 00-0034			<b>Molded Characters</b> (10 14 19) Note: Any font.		
10 14 19 00-0035			<b>Molded Plastic Characters</b> (10 14 19 00-0034)		
10 14 19 00-0036	EA		4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	35.44	5.45
			<i>For Installation With Adhesive, Deduct</i>	-3.95	
10 14 19 00-0037	EA		5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	38.46	5.99
			<i>For Installation With Adhesive, Deduct</i>	-4.32	
10 14 19 00-0038	EA		6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	42.41	6.53
			<i>For Installation With Adhesive, Deduct</i>	-4.73	
10 14 19 00-0039	EA		8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	53.33	7.08
			<i>For Installation With Adhesive, Deduct</i>	-5.50	
10 14 19 00-0040	EA		9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	57.61	7.62
			<i>For Installation With Adhesive, Deduct</i>	-5.93	
10 14 19 00-0041	EA		10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	62.33	8.17
			<i>For Installation With Adhesive, Deduct</i>	-6.38	
10 14 19 00-0042	EA		12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	72.64	9.53
			<i>For Installation With Adhesive, Deduct</i>	-7.44	
10 14 19 00-0043	EA		15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	95.29	11.98
			<i>For Installation With Adhesive, Deduct</i>	-9.56	
10 14 19 00-0044	EA		18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	120.48	14.16
			<i>For Installation With Adhesive, Deduct</i>	-11.69	
10 14 19 00-0045	EA		24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	175.64	17.43
			<i>For Installation With Adhesive, Deduct</i>	-15.75	
10 14 19 00-0046	EA		30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	256.60	20.43
			<i>For Installation With Adhesive, Deduct</i>	-21.00	
10 14 19 00-0047	EA		36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	334.24	23.42
			<i>For Installation With Adhesive, Deduct</i>	-26.08	
10 14 19 00-0048	EA		48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	615.51	31.32
			<i>For Installation With Adhesive, Deduct</i>	-43.30	
10 14 19 00-0049			<b>Cutout Characters</b> (10 14 19) Note: Any font.		
10 14 19 00-0050			<b>Satin Finish, Aluminum Characters</b> (10 14 19 00-0049)		
10 14 19 00-0051			<b>1/4" Deep, Satin Finish, Aluminum Characters</b> (10 14 19 00-0050)		





<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Signage</b>	<b>10 14</b>

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0052	EA		2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	46.17	6.81
			<i>For Installation With Adhesive, Deduct</i>	-5.03	
			<i>For Clear Anodized, Add</i>	1.89	
			<i>For Satin Face And Enameled Return, Add</i>	6.63	
			<i>For Color Anodized, Add</i>	9.47	
			<i>For Polished Or Patina Finish, Add</i>	9.47	
			<i>For Polished Anodized Finish, Add</i>	14.21	
10 14 19 00-0053	EA		4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	64.31	7.89
			<i>For Installation With Adhesive, Deduct</i>	-6.37	
			<i>For Clear Anodized, Add</i>	3.27	
			<i>For Satin Face And Enameled Return, Add</i>	11.45	
			<i>For Color Anodized, Add</i>	16.36	
			<i>For Polished Or Patina Finish, Add</i>	16.36	
			<i>For Polished Anodized Finish, Add</i>	24.54	
10 14 19 00-0054	EA		6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	86.33	9.53
			<i>For Installation With Adhesive, Deduct</i>	-8.13	
			<i>For Clear Anodized, Add</i>	4.82	
			<i>For Satin Face And Enameled Return, Add</i>	16.87	
			<i>For Color Anodized, Add</i>	24.11	
			<i>For Polished Or Patina Finish, Add</i>	24.11	
			<i>For Polished Anodized Finish, Add</i>	36.16	
10 14 19 00-0055	EA		8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	105.56	10.89
			<i>For Installation With Adhesive, Deduct</i>	-9.64	
			<i>For Clear Anodized, Add</i>	6.20	
			<i>For Satin Face And Enameled Return, Add</i>	21.70	
			<i>For Color Anodized, Add</i>	31.00	
			<i>For Polished Or Patina Finish, Add</i>	31.00	
			<i>For Polished Anodized Finish, Add</i>	46.49	
10 14 19 00-0056	EA		10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	121.33	12.25
			<i>For Installation With Adhesive, Deduct</i>	-10.97	
			<i>For Clear Anodized, Add</i>	7.23	
			<i>For Satin Face And Enameled Return, Add</i>	25.31	
			<i>For Color Anodized, Add</i>	36.16	
			<i>For Polished Or Patina Finish, Add</i>	36.16	
			<i>For Polished Anodized Finish, Add</i>	54.24	
10 14 19 00-0057	EA		12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	139.30	14.16
			<i>For Installation With Adhesive, Deduct</i>	-12.63	
			<i>For Clear Anodized, Add</i>	8.27	
			<i>For Satin Face And Enameled Return, Add</i>	28.93	
			<i>For Color Anodized, Add</i>	41.33	
			<i>For Polished Or Patina Finish, Add</i>	41.33	
			<i>For Polished Anodized Finish, Add</i>	61.99	
10 14 19 00-0058	EA		14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	163.50	16.34
			<i>For Installation With Adhesive, Deduct</i>	-14.71	
			<i>For Clear Anodized, Add</i>	9.82	
			<i>For Satin Face And Enameled Return, Add</i>	34.35	
			<i>For Color Anodized, Add</i>	49.08	
			<i>For Polished Or Patina Finish, Add</i>	49.08	
			<i>For Polished Anodized Finish, Add</i>	73.61	
10 14 19 00-0059	EA		16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	193.80	19.61
			<i>For Installation With Adhesive, Deduct</i>	-17.53	
			<i>For Clear Anodized, Add</i>	11.54	
			<i>For Satin Face And Enameled Return, Add</i>	40.38	
			<i>For Color Anodized, Add</i>	57.69	
			<i>For Polished Or Patina Finish, Add</i>	57.69	
			<i>For Polished Anodized Finish, Add</i>	86.53	
10 14 19 00-0060	EA		18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	218.01	21.78
			<i>For Installation With Adhesive, Deduct</i>	-19.61	
			<i>For Clear Anodized, Add</i>	13.09	
			<i>For Satin Face And Enameled Return, Add</i>	45.80	
			<i>For Color Anodized, Add</i>	65.44	
			<i>For Polished Or Patina Finish, Add</i>	65.44	
			<i>For Polished Anodized Finish, Add</i>	98.15	
10 14 19 00-0061	EA		20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	261.61	24.51
			<i>For Installation With Adhesive, Deduct</i>	-22.88	
			<i>For Clear Anodized, Add</i>	16.36	
			<i>For Satin Face And Enameled Return, Add</i>	57.25	
			<i>For Color Anodized, Add</i>	81.79	
			<i>For Polished Or Patina Finish, Add</i>	81.79	
			<i>For Polished Anodized Finish, Add</i>	122.69	
10 14 19 00-0062	EA		22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	299.78	25.87
			<i>For Installation With Adhesive, Deduct</i>	-25.34	
			<i>For Clear Anodized, Add</i>	19.63	
			<i>For Satin Face And Enameled Return, Add</i>	68.71	
			<i>For Color Anodized, Add</i>	98.15	
			<i>For Polished Or Patina Finish, Add</i>	98.15	
			<i>For Polished Anodized Finish, Add</i>	147.23	
10 14 19 00-0063	EA		24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	370.65	27.23
			<i>For Installation With Adhesive, Deduct</i>	-29.42	
			<i>For Clear Anodized, Add</i>	26.17	
			<i>For Satin Face And Enameled Return, Add</i>	91.61	
			<i>For Color Anodized, Add</i>	130.87	
			<i>For Polished Or Patina Finish, Add</i>	130.87	
			<i>For Polished Anodized Finish, Add</i>	196.30	

<b>10</b>	<b>10</b>	<b>Specialties</b>
	<b>10 10</b>	<b>Information Specialties</b>
	<b>10 14</b>	<b>Signage</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0064 EA 30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	529.63	32.68
For Installation With Adhesive, Deduct	-39.55	
For Clear Anodized, Add	39.89	
For Satin Face And Enameled Return, Add	139.62	
For Color Anodized, Add	199.46	
For Polished Or Patina Finish, Add	199.46	
For Polished Anodized Finish, Add	299.18	
<b>10 14 19 00-0065 3/8" Deep, Satin Finish, Aluminum Characters</b> <small>(10 14 19 00-0050)</small>		
10 14 19 00-0066 EA 2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	58.29	6.81
For Installation With Adhesive, Deduct	-5.64	
For Clear Anodized, Add	3.11	
For Satin Face And Enameled Return, Add	10.87	
For Color Anodized, Add	15.53	
For Polished Or Patina Finish, Add	15.53	
For Polished Anodized Finish, Add	23.30	
10 14 19 00-0067 EA 4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	83.28	7.89
For Installation With Adhesive, Deduct	-7.32	
For Clear Anodized, Add	5.17	
For Satin Face And Enameled Return, Add	18.09	
For Color Anodized, Add	25.85	
For Polished Or Patina Finish, Add	25.85	
For Polished Anodized Finish, Add	38.77	
10 14 19 00-0068 EA 6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	105.14	9.53
For Installation With Adhesive, Deduct	-9.07	
For Clear Anodized, Add	6.70	
For Satin Face And Enameled Return, Add	23.46	
For Color Anodized, Add	33.51	
For Polished Or Patina Finish, Add	33.51	
For Polished Anodized Finish, Add	50.27	
10 14 19 00-0069 EA 8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	131.59	10.89
For Installation With Adhesive, Deduct	-10.94	
For Clear Anodized, Add	8.80	
For Satin Face And Enameled Return, Add	30.81	
For Color Anodized, Add	44.01	
For Polished Or Patina Finish, Add	44.01	
For Polished Anodized Finish, Add	66.02	
10 14 19 00-0070 EA 10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	152.43	12.25
For Installation With Adhesive, Deduct	-12.52	
For Clear Anodized, Add	10.34	
For Satin Face And Enameled Return, Add	36.20	
For Color Anodized, Add	51.71	
For Polished Or Patina Finish, Add	51.71	
For Polished Anodized Finish, Add	77.57	
10 14 19 00-0071 EA 12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	178.97	14.16
For Installation With Adhesive, Deduct	-14.61	
For Clear Anodized, Add	12.23	
For Satin Face And Enameled Return, Add	42.81	
For Color Anodized, Add	61.16	
For Polished Or Patina Finish, Add	61.16	
For Polished Anodized Finish, Add	91.74	
10 14 19 00-0072 EA 14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	209.63	16.34
For Installation With Adhesive, Deduct	-17.02	
For Clear Anodized, Add	14.43	
For Satin Face And Enameled Return, Add	50.50	
For Color Anodized, Add	72.14	
For Polished Or Patina Finish, Add	72.14	
For Polished Anodized Finish, Add	108.21	
10 14 19 00-0073 EA 16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	259.56	19.61
For Installation With Adhesive, Deduct	-20.82	
For Clear Anodized, Add	18.11	
For Satin Face And Enameled Return, Add	63.40	
For Color Anodized, Add	90.57	
For Polished Or Patina Finish, Add	90.57	
For Polished Anodized Finish, Add	135.85	
10 14 19 00-0074 EA 18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	300.45	21.78
For Installation With Adhesive, Deduct	-23.74	
For Clear Anodized, Add	21.33	
For Satin Face And Enameled Return, Add	74.66	
For Color Anodized, Add	106.66	
For Polished Or Patina Finish, Add	106.66	
For Polished Anodized Finish, Add	159.98	
10 14 19 00-0075 EA 20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	348.31	24.51
For Installation With Adhesive, Deduct	-27.22	
For Clear Anodized, Add	25.03	
For Satin Face And Enameled Return, Add	87.60	
For Color Anodized, Add	125.14	
For Polished Or Patina Finish, Add	125.14	
For Polished Anodized Finish, Add	187.71	
10 14 19 00-0076 EA 22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	390.08	25.87
For Installation With Adhesive, Deduct	-29.85	
For Clear Anodized, Add	28.66	
For Satin Face And Enameled Return, Add	100.31	
For Color Anodized, Add	143.30	
For Polished Or Patina Finish, Add	143.30	
For Polished Anodized Finish, Add	214.95	



<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Signage</b>	<b>10 14</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0077	EA		24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	433.47	27.23
			<i>For Installation With Adhesive, Deduct</i>	-32.57	
			<i>For Clear Anodized, Add</i>	32.46	
			<i>For Satin Face And Enameled Return, Add</i>	113.59	
			<i>For Color Anodized, Add</i>	162.28	
			<i>For Polished Or Patina Finish, Add</i>	162.28	
			<i>For Polished Anodized Finish, Add</i>	243.41	
10 14 19 00-0078	EA		30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	595.64	32.68
			<i>For Installation With Adhesive, Deduct</i>	-42.85	
			<i>For Clear Anodized, Add</i>	46.49	
			<i>For Satin Face And Enameled Return, Add</i>	162.72	
			<i>For Color Anodized, Add</i>	232.46	
			<i>For Polished Or Patina Finish, Add</i>	232.46	
			<i>For Polished Anodized Finish, Add</i>	348.69	
10 14 19 00-0079			<b>1/2" Deep, Satin Finish, Aluminum Characters</b> <small>(10 14 19 00-0050)</small>		
10 14 19 00-0080	EA		2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	72.31	6.81
			<i>For Installation With Adhesive, Deduct</i>	-6.34	
			<i>For Clear Anodized, Add</i>	4.51	
			<i>For Satin Face And Enameled Return, Add</i>	15.78	
			<i>For Color Anodized, Add</i>	22.54	
			<i>For Polished Or Patina Finish, Add</i>	22.54	
			<i>For Polished Anodized Finish, Add</i>	33.81	
10 14 19 00-0081	EA		4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	93.42	7.89
			<i>For Installation With Adhesive, Deduct</i>	-7.83	
			<i>For Clear Anodized, Add</i>	6.18	
			<i>For Satin Face And Enameled Return, Add</i>	21.64	
			<i>For Color Anodized, Add</i>	30.92	
			<i>For Polished Or Patina Finish, Add</i>	30.92	
			<i>For Polished Anodized Finish, Add</i>	46.37	
10 14 19 00-0082	EA		6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	117.19	9.53
			<i>For Installation With Adhesive, Deduct</i>	-9.67	
			<i>For Clear Anodized, Add</i>	7.91	
			<i>For Satin Face And Enameled Return, Add</i>	27.67	
			<i>For Color Anodized, Add</i>	39.54	
			<i>For Polished Or Patina Finish, Add</i>	39.54	
			<i>For Polished Anodized Finish, Add</i>	59.30	
10 14 19 00-0083	EA		8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	138.41	10.89
			<i>For Installation With Adhesive, Deduct</i>	-11.28	
			<i>For Clear Anodized, Add</i>	9.48	
			<i>For Satin Face And Enameled Return, Add</i>	33.19	
			<i>For Color Anodized, Add</i>	47.42	
			<i>For Polished Or Patina Finish, Add</i>	47.42	
			<i>For Polished Anodized Finish, Add</i>	71.13	
10 14 19 00-0084	EA		10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	161.11	12.25
			<i>For Installation With Adhesive, Deduct</i>	-12.96	
			<i>For Clear Anodized, Add</i>	11.21	
			<i>For Satin Face And Enameled Return, Add</i>	39.24	
			<i>For Color Anodized, Add</i>	56.05	
			<i>For Polished Or Patina Finish, Add</i>	56.05	
			<i>For Polished Anodized Finish, Add</i>	84.08	
10 14 19 00-0085	EA		12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	197.98	14.16
			<i>For Installation With Adhesive, Deduct</i>	-15.56	
			<i>For Clear Anodized, Add</i>	14.13	
			<i>For Satin Face And Enameled Return, Add</i>	49.47	
			<i>For Color Anodized, Add</i>	70.67	
			<i>For Polished Or Patina Finish, Add</i>	70.67	
			<i>For Polished Anodized Finish, Add</i>	106.00	
10 14 19 00-0086	EA		14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	243.98	16.34
			<i>For Installation With Adhesive, Deduct</i>	-18.73	
			<i>For Clear Anodized, Add</i>	17.86	
			<i>For Satin Face And Enameled Return, Add</i>	62.52	
			<i>For Color Anodized, Add</i>	89.32	
			<i>For Polished Or Patina Finish, Add</i>	89.32	
			<i>For Polished Anodized Finish, Add</i>	133.97	
10 14 19 00-0087	EA		16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	295.32	19.61
			<i>For Installation With Adhesive, Deduct</i>	-22.61	
			<i>For Clear Anodized, Add</i>	21.69	
			<i>For Satin Face And Enameled Return, Add</i>	75.91	
			<i>For Color Anodized, Add</i>	108.45	
			<i>For Polished Or Patina Finish, Add</i>	108.45	
			<i>For Polished Anodized Finish, Add</i>	162.67	
10 14 19 00-0088	EA		18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	358.03	21.78
			<i>For Installation With Adhesive, Deduct</i>	-26.62	
			<i>For Clear Anodized, Add</i>	27.09	
			<i>For Satin Face And Enameled Return, Add</i>	94.81	
			<i>For Color Anodized, Add</i>	135.45	
			<i>For Polished Or Patina Finish, Add</i>	135.45	
			<i>For Polished Anodized Finish, Add</i>	203.17	
10 14 19 00-0089	EA		20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	421.92	24.51
			<i>For Installation With Adhesive, Deduct</i>	-30.90	
			<i>For Clear Anodized, Add</i>	32.39	
			<i>For Satin Face And Enameled Return, Add</i>	113.36	
			<i>For Color Anodized, Add</i>	161.95	
			<i>For Polished Or Patina Finish, Add</i>	161.95	
			<i>For Polished Anodized Finish, Add</i>	242.92	

<b>10</b>	<b>10</b>	<b>Specialties</b>
	<b>10 10</b>	<b>Information Specialties</b>
	<b>10 14</b>	<b>Signage</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0090	EA	22"	High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	484.30	25.87
			<i>For Installation With Adhesive, Deduct</i>	-34.56	
			<i>For Clear Anodized, Add</i>	38.08	
			<i>For Satin Face And Enameled Return, Add</i>	133.29	
			<i>For Color Anodized, Add</i>	190.41	
			<i>For Polished Or Patina Finish, Add</i>	190.41	
			<i>For Polished Anodized Finish, Add</i>	285.62	
10 14 19 00-0091	EA	24"	High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	543.39	27.23
			<i>For Installation With Adhesive, Deduct</i>	-38.06	
			<i>For Clear Anodized, Add</i>	43.45	
			<i>For Satin Face And Enameled Return, Add</i>	152.06	
			<i>For Color Anodized, Add</i>	217.24	
			<i>For Polished Or Patina Finish, Add</i>	217.24	
			<i>For Polished Anodized Finish, Add</i>	325.85	
10 14 19 00-0092	EA	30"	High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	753.71	32.68
			<i>For Installation With Adhesive, Deduct</i>	-50.76	
			<i>For Clear Anodized, Add</i>	62.30	
			<i>For Satin Face And Enameled Return, Add</i>	218.05	
			<i>For Color Anodized, Add</i>	311.50	
			<i>For Polished Or Patina Finish, Add</i>	311.50	
			<i>For Polished Anodized Finish, Add</i>	467.24	
<b>10 14 19 00-0093</b>		<b>3/4"</b>	<b>Deep, Satin Finish, Aluminum Characters</b> <small>(10 14 19 00-0050)</small>		
10 14 19 00-0094	EA	2"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	75.53	6.81
			<i>For Installation With Adhesive, Deduct</i>	-6.50	
			<i>For Clear Anodized, Add</i>	4.83	
			<i>For Satin Face And Enameled Return, Add</i>	16.91	
			<i>For Color Anodized, Add</i>	24.15	
			<i>For Polished Or Patina Finish, Add</i>	24.15	
			<i>For Polished Anodized Finish, Add</i>	36.23	
10 14 19 00-0095	EA	4"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	97.02	7.89
			<i>For Installation With Adhesive, Deduct</i>	-8.01	
			<i>For Clear Anodized, Add</i>	6.54	
			<i>For Satin Face And Enameled Return, Add</i>	22.90	
			<i>For Color Anodized, Add</i>	32.72	
			<i>For Polished Or Patina Finish, Add</i>	32.72	
			<i>For Polished Anodized Finish, Add</i>	49.07	
10 14 19 00-0096	EA	6"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	127.80	9.53
			<i>For Installation With Adhesive, Deduct</i>	-10.20	
			<i>For Clear Anodized, Add</i>	8.97	
			<i>For Satin Face And Enameled Return, Add</i>	31.39	
			<i>For Color Anodized, Add</i>	44.84	
			<i>For Polished Or Patina Finish, Add</i>	44.84	
			<i>For Polished Anodized Finish, Add</i>	67.26	
10 14 19 00-0097	EA	8"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	169.41	10.89
			<i>For Installation With Adhesive, Deduct</i>	-12.83	
			<i>For Clear Anodized, Add</i>	12.58	
			<i>For Satin Face And Enameled Return, Add</i>	44.04	
			<i>For Color Anodized, Add</i>	62.92	
			<i>For Polished Or Patina Finish, Add</i>	62.92	
			<i>For Polished Anodized Finish, Add</i>	94.38	
10 14 19 00-0098	EA	10"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	212.45	12.25
			<i>For Installation With Adhesive, Deduct</i>	-15.52	
			<i>For Clear Anodized, Add</i>	16.34	
			<i>For Satin Face And Enameled Return, Add</i>	57.20	
			<i>For Color Anodized, Add</i>	81.72	
			<i>For Polished Or Patina Finish, Add</i>	81.72	
			<i>For Polished Anodized Finish, Add</i>	122.58	
10 14 19 00-0099	EA	12"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	266.59	14.16
			<i>For Installation With Adhesive, Deduct</i>	-18.99	
			<i>For Clear Anodized, Add</i>	20.99	
			<i>For Satin Face And Enameled Return, Add</i>	73.48	
			<i>For Color Anodized, Add</i>	104.97	
			<i>For Polished Or Patina Finish, Add</i>	104.97	
			<i>For Polished Anodized Finish, Add</i>	157.46	
10 14 19 00-0100	EA	14"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	332.32	16.34
			<i>For Installation With Adhesive, Deduct</i>	-23.15	
			<i>For Clear Anodized, Add</i>	26.70	
			<i>For Satin Face And Enameled Return, Add</i>	93.44	
			<i>For Color Anodized, Add</i>	133.49	
			<i>For Polished Or Patina Finish, Add</i>	133.49	
			<i>For Polished Anodized Finish, Add</i>	200.23	
10 14 19 00-0101	EA	16"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	410.69	19.61
			<i>For Installation With Adhesive, Deduct</i>	-28.38	
			<i>For Clear Anodized, Add</i>	33.23	
			<i>For Satin Face And Enameled Return, Add</i>	116.29	
			<i>For Color Anodized, Add</i>	166.13	
			<i>For Polished Or Patina Finish, Add</i>	166.13	
			<i>For Polished Anodized Finish, Add</i>	249.20	
10 14 19 00-0102	EA	18"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	501.98	21.78
			<i>For Installation With Adhesive, Deduct</i>	-33.81	
			<i>For Clear Anodized, Add</i>	41.48	
			<i>For Satin Face And Enameled Return, Add</i>	145.19	
			<i>For Color Anodized, Add</i>	207.42	
			<i>For Polished Or Patina Finish, Add</i>	207.42	
			<i>For Polished Anodized Finish, Add</i>	311.13	



<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Signage</b>	<b>10 14</b>

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0103	EA		20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	596.96	24.51
			<i>For Installation With Adhesive, Deduct</i>	-39.65	
			<i>For Clear Anodized, Add</i>	49.89	
			<i>For Satin Face And Enameled Return, Add</i>	174.63	
			<i>For Color Anodized, Add</i>	249.47	
			<i>For Polished Or Patina Finish, Add</i>	249.47	
			<i>For Polished Anodized Finish, Add</i>	374.20	
10 14 19 00-0104	EA		22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	692.38	25.87
			<i>For Installation With Adhesive, Deduct</i>	-44.97	
			<i>For Clear Anodized, Add</i>	58.89	
			<i>For Satin Face And Enameled Return, Add</i>	206.12	
			<i>For Color Anodized, Add</i>	294.45	
			<i>For Polished Or Patina Finish, Add</i>	294.45	
			<i>For Polished Anodized Finish, Add</i>	441.68	
10 14 19 00-0105	EA		24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	792.04	27.23
			<i>For Installation With Adhesive, Deduct</i>	-50.49	
			<i>For Clear Anodized, Add</i>	68.31	
			<i>For Satin Face And Enameled Return, Add</i>	239.09	
			<i>For Color Anodized, Add</i>	341.56	
			<i>For Polished Or Patina Finish, Add</i>	341.56	
			<i>For Polished Anodized Finish, Add</i>	512.34	
10 14 19 00-0106	EA		30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	1,088.45	32.68
			<i>For Installation With Adhesive, Deduct</i>	-67.49	
			<i>For Clear Anodized, Add</i>	95.77	
			<i>For Satin Face And Enameled Return, Add</i>	335.21	
			<i>For Color Anodized, Add</i>	478.87	
			<i>For Polished Or Patina Finish, Add</i>	478.87	
			<i>For Polished Anodized Finish, Add</i>	718.30	
<b>10 14 19 00-0107</b>			<b>1" Deep, Satin Finish, Aluminum Characters</b> <small>(10 14 19 00-0050)</small>		
10 14 19 00-0108	EA		2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	84.05	6.81
			<i>For Installation With Adhesive, Deduct</i>	-6.93	
			<i>For Clear Anodized, Add</i>	5.68	
			<i>For Satin Face And Enameled Return, Add</i>	19.89	
			<i>For Color Anodized, Add</i>	28.41	
			<i>For Polished Or Patina Finish, Add</i>	28.41	
			<i>For Polished Anodized Finish, Add</i>	42.62	
10 14 19 00-0109	EA		4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	103.89	7.89
			<i>For Installation With Adhesive, Deduct</i>	-8.35	
			<i>For Clear Anodized, Add</i>	7.23	
			<i>For Satin Face And Enameled Return, Add</i>	25.31	
			<i>For Color Anodized, Add</i>	36.15	
			<i>For Polished Or Patina Finish, Add</i>	36.15	
			<i>For Polished Anodized Finish, Add</i>	54.23	
10 14 19 00-0110	EA		6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	136.48	9.53
			<i>For Installation With Adhesive, Deduct</i>	-10.64	
			<i>For Clear Anodized, Add</i>	9.84	
			<i>For Satin Face And Enameled Return, Add</i>	34.43	
			<i>For Color Anodized, Add</i>	49.18	
			<i>For Polished Or Patina Finish, Add</i>	49.18	
			<i>For Polished Anodized Finish, Add</i>	73.77	
10 14 19 00-0111	EA		8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	186.76	10.89
			<i>For Installation With Adhesive, Deduct</i>	-13.70	
			<i>For Clear Anodized, Add</i>	14.32	
			<i>For Satin Face And Enameled Return, Add</i>	50.12	
			<i>For Color Anodized, Add</i>	71.60	
			<i>For Polished Or Patina Finish, Add</i>	71.60	
			<i>For Polished Anodized Finish, Add</i>	107.39	
10 14 19 00-0112	EA		10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	253.68	12.25
			<i>For Installation With Adhesive, Deduct</i>	-17.59	
			<i>For Clear Anodized, Add</i>	20.47	
			<i>For Satin Face And Enameled Return, Add</i>	71.63	
			<i>For Color Anodized, Add</i>	102.34	
			<i>For Polished Or Patina Finish, Add</i>	102.34	
			<i>For Polished Anodized Finish, Add</i>	153.50	
10 14 19 00-0113	EA		12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	331.88	14.16
			<i>For Installation With Adhesive, Deduct</i>	-22.26	
			<i>For Clear Anodized, Add</i>	27.52	
			<i>For Satin Face And Enameled Return, Add</i>	96.33	
			<i>For Color Anodized, Add</i>	137.62	
			<i>For Polished Or Patina Finish, Add</i>	137.62	
			<i>For Polished Anodized Finish, Add</i>	206.42	
10 14 19 00-0114	EA		14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	419.67	16.34
			<i>For Installation With Adhesive, Deduct</i>	-27.52	
			<i>For Clear Anodized, Add</i>	35.43	
			<i>For Satin Face And Enameled Return, Add</i>	124.01	
			<i>For Color Anodized, Add</i>	177.16	
			<i>For Polished Or Patina Finish, Add</i>	177.16	
			<i>For Polished Anodized Finish, Add</i>	265.74	
10 14 19 00-0115	EA		16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	521.44	19.61
			<i>For Installation With Adhesive, Deduct</i>	-33.92	
			<i>For Clear Anodized, Add</i>	44.30	
			<i>For Satin Face And Enameled Return, Add</i>	155.05	
			<i>For Color Anodized, Add</i>	221.51	
			<i>For Polished Or Patina Finish, Add</i>	221.51	
			<i>For Polished Anodized Finish, Add</i>	332.26	

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0116	EA		18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	631.54	21.78
			<i>For Installation With Adhesive, Deduct</i>	-40.29	
			<i>For Clear Anodized, Add</i>	54.44	
			<i>For Satin Face And Enameled Return, Add</i>	190.54	
			<i>For Color Anodized, Add</i>	272.20	
			<i>For Polished Or Patina Finish, Add</i>	272.20	
			<i>For Polished Anodized Finish, Add</i>	408.30	
10 14 19 00-0117	EA		20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	776.90	24.51
			<i>For Installation With Adhesive, Deduct</i>	-48.65	
			<i>For Clear Anodized, Add</i>	67.89	
			<i>For Satin Face And Enameled Return, Add</i>	237.60	
			<i>For Color Anodized, Add</i>	339.44	
			<i>For Polished Or Patina Finish, Add</i>	339.44	
			<i>For Polished Anodized Finish, Add</i>	509.15	
10 14 19 00-0118	EA		22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	925.97	25.87
			<i>For Installation With Adhesive, Deduct</i>	-56.65	
			<i>For Clear Anodized, Add</i>	82.25	
			<i>For Satin Face And Enameled Return, Add</i>	287.87	
			<i>For Color Anodized, Add</i>	411.25	
			<i>For Polished Or Patina Finish, Add</i>	411.25	
			<i>For Polished Anodized Finish, Add</i>	616.87	
10 14 19 00-0119	EA		24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	1,093.03	27.23
			<i>For Installation With Adhesive, Deduct</i>	-65.54	
			<i>For Clear Anodized, Add</i>	98.41	
			<i>For Satin Face And Enameled Return, Add</i>	344.44	
			<i>For Color Anodized, Add</i>	492.06	
			<i>For Polished Or Patina Finish, Add</i>	492.06	
			<i>For Polished Anodized Finish, Add</i>	738.08	
10 14 19 00-0120	EA		30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	1,544.07	32.68
			<i>For Installation With Adhesive, Deduct</i>	-90.28	
			<i>For Clear Anodized, Add</i>	141.34	
			<i>For Satin Face And Enameled Return, Add</i>	494.67	
			<i>For Color Anodized, Add</i>	706.68	
			<i>For Polished Or Patina Finish, Add</i>	706.68	
			<i>For Polished Anodized Finish, Add</i>	1,060.01	
10 14 19 00-0121			Satin Finish, Brass Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0122			1/4" Deep, Satin Finish, Brass Characters <small>(10 14 19 00-0121)</small>		
10 14 19 00-0123	EA		2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	62.76	6.81
			<i>For Installation With Adhesive, Deduct</i>	-5.86	
			<i>For Oxidized Finish, Add</i>	5.33	
			<i>For Polished Finish, Add</i>	10.66	
10 14 19 00-0124	EA		4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	81.03	7.89
			<i>For Installation With Adhesive, Deduct</i>	-7.21	
			<i>For Oxidized Finish, Add</i>	7.42	
			<i>For Polished Finish, Add</i>	14.83	
10 14 19 00-0125	EA		6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	111.72	9.53
			<i>For Installation With Adhesive, Deduct</i>	-9.40	
			<i>For Oxidized Finish, Add</i>	11.04	
			<i>For Polished Finish, Add</i>	22.08	
10 14 19 00-0126	EA		8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	146.36	10.89
			<i>For Installation With Adhesive, Deduct</i>	-11.68	
			<i>For Oxidized Finish, Add</i>	15.42	
			<i>For Polished Finish, Add</i>	30.84	
10 14 19 00-0127	EA		10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	187.33	12.25
			<i>For Installation With Adhesive, Deduct</i>	-14.27	
			<i>For Oxidized Finish, Add</i>	20.75	
			<i>For Polished Finish, Add</i>	41.50	
10 14 19 00-0128	EA		12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	236.84	14.16
			<i>For Installation With Adhesive, Deduct</i>	-17.51	
			<i>For Oxidized Finish, Add</i>	27.03	
			<i>For Polished Finish, Add</i>	54.06	
10 14 19 00-0129	EA		14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	296.30	16.34
			<i>For Installation With Adhesive, Deduct</i>	-21.35	
			<i>For Oxidized Finish, Add</i>	34.64	
			<i>For Polished Finish, Add</i>	69.29	
10 14 19 00-0130	EA		16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	361.41	19.61
			<i>For Installation With Adhesive, Deduct</i>	-25.91	
			<i>For Oxidized Finish, Add</i>	42.45	
			<i>For Polished Finish, Add</i>	84.89	
10 14 19 00-0131	EA		18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	438.83	21.78
			<i>For Installation With Adhesive, Deduct</i>	-30.66	
			<i>For Oxidized Finish, Add</i>	52.75	
			<i>For Polished Finish, Add</i>	105.51	
10 14 19 00-0132	EA		20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	521.87	24.51
			<i>For Installation With Adhesive, Deduct</i>	-35.90	
			<i>For Oxidized Finish, Add</i>	63.58	
			<i>For Polished Finish, Add</i>	127.15	
10 14 19 00-0133	EA		22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	641.53	25.87
			<i>For Installation With Adhesive, Deduct</i>	-42.42	
			<i>For Oxidized Finish, Add</i>	80.71	
			<i>For Polished Finish, Add</i>	161.42	



<b>Specialties</b>	<b>10</b>
Information Specialties	10 10
Signage	10 14

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0134	EA		24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	703.53 -46.07 89.19 178.38	27.23
10 14 19 00-0135	EA		30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,057.86 -65.97 139.07 278.14	32.68
<b>10 14 19 00-0136</b>			<b>3/8" Deep, Satin Finish, Brass Characters</b> <small>(10 14 19 00-0121)</small>		
10 14 19 00-0137	EA		2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	75.20 -6.48 7.20 14.39	6.81
10 14 19 00-0138	EA		4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	98.34 -8.08 10.01 20.03	7.89
10 14 19 00-0139	EA		6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	141.16 -10.87 15.46 30.91	9.53
10 14 19 00-0140	EA		8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	187.47 -13.73 21.59 43.17	10.89
10 14 19 00-0141	EA		10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	249.57 -17.38 30.08 60.17	12.25
10 14 19 00-0142	EA		12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	317.93 -21.56 39.19 78.38	14.16
10 14 19 00-0143	EA		14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	400.23 -26.55 50.23 100.46	16.34
10 14 19 00-0144	EA		16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	474.60 -31.57 59.43 118.85	19.61
10 14 19 00-0145	EA		18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	597.09 -38.57 76.49 152.99	21.78
10 14 19 00-0146	EA		20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	691.40 -44.37 89.01 178.01	24.51
10 14 19 00-0147	EA		22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	851.36 -52.92 112.18 224.36	25.87
10 14 19 00-0148	EA		24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	971.10 -59.45 129.33 258.65	27.23
10 14 19 00-0149	EA		30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,345.27 -80.34 182.18 364.37	32.68
<b>10 14 19 00-0150</b>			<b>1/2" Deep, Satin Finish, Brass Characters</b> <small>(10 14 19 00-0121)</small>		
10 14 19 00-0151	EA		2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	94.74 -7.46 10.13 20.25	6.81
10 14 19 00-0152	EA		4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	123.06 -9.31 13.72 27.44	7.89
10 14 19 00-0153	EA		6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	177.96 -12.71 20.98 41.95	9.53
10 14 19 00-0154	EA		8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	244.01 -16.56 30.07 60.13	10.89

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0155	EA		10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	339.48	12.25
			<i>For Installation With Adhesive, Deduct</i>	-21.88	
			<i>For Oxidized Finish, Add</i>	43.57	
			<i>For Polished Finish, Add</i>	87.14	
10 14 19 00-0156	EA		12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	453.08	14.16
			<i>For Installation With Adhesive, Deduct</i>	-28.32	
			<i>For Oxidized Finish, Add</i>	59.46	
			<i>For Polished Finish, Add</i>	118.93	
10 14 19 00-0157	EA		14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	561.90	16.34
			<i>For Installation With Adhesive, Deduct</i>	-34.63	
			<i>For Oxidized Finish, Add</i>	74.48	
			<i>For Polished Finish, Add</i>	148.97	
10 14 19 00-0158	EA		16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	669.86	19.61
			<i>For Installation With Adhesive, Deduct</i>	-41.34	
			<i>For Oxidized Finish, Add</i>	88.71	
			<i>For Polished Finish, Add</i>	177.43	
10 14 19 00-0159	EA		18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	913.61	21.78
			<i>For Installation With Adhesive, Deduct</i>	-54.39	
			<i>For Oxidized Finish, Add</i>	123.97	
			<i>For Polished Finish, Add</i>	247.94	
10 14 19 00-0160	EA		20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,030.47	24.51
			<i>For Installation With Adhesive, Deduct</i>	-61.33	
			<i>For Oxidized Finish, Add</i>	139.87	
			<i>For Polished Finish, Add</i>	279.73	
10 14 19 00-0161	EA		22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,287.18	25.87
			<i>For Installation With Adhesive, Deduct</i>	-74.71	
			<i>For Oxidized Finish, Add</i>	177.56	
			<i>For Polished Finish, Add</i>	355.11	
10 14 19 00-0162	EA		24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,506.25	27.23
			<i>For Installation With Adhesive, Deduct</i>	-86.20	
			<i>For Oxidized Finish, Add</i>	209.60	
			<i>For Polished Finish, Add</i>	419.20	
10 14 19 00-0163	EA		30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	2,272.41	32.68
			<i>For Installation With Adhesive, Deduct</i>	-126.69	
			<i>For Oxidized Finish, Add</i>	321.25	
			<i>For Polished Finish, Add</i>	642.51	
<b>10 14 19 00-0164</b>			<b>3/4" Deep, Satin Finish, Brass Characters <small>(10 14 19 00-0121)</small></b>		
10 14 19 00-0165	EA		2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	116.06	6.81
			<i>For Installation With Adhesive, Deduct</i>	-8.53	
			<i>For Oxidized Finish, Add</i>	13.32	
			<i>For Polished Finish, Add</i>	26.65	
10 14 19 00-0166	EA		4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	162.61	7.89
			<i>For Installation With Adhesive, Deduct</i>	-11.29	
			<i>For Oxidized Finish, Add</i>	19.65	
			<i>For Polished Finish, Add</i>	39.31	
10 14 19 00-0167	EA		6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	222.12	9.53
			<i>For Installation With Adhesive, Deduct</i>	-14.92	
			<i>For Oxidized Finish, Add</i>	27.60	
			<i>For Polished Finish, Add</i>	55.20	
10 14 19 00-0168	EA		8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	300.54	10.89
			<i>For Installation With Adhesive, Deduct</i>	-19.38	
			<i>For Oxidized Finish, Add</i>	38.55	
			<i>For Polished Finish, Add</i>	77.09	
10 14 19 00-0169	EA		10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	408.64	12.25
			<i>For Installation With Adhesive, Deduct</i>	-25.33	
			<i>For Oxidized Finish, Add</i>	53.94	
			<i>For Polished Finish, Add</i>	107.89	
10 14 19 00-0170	EA		12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	561.20	14.16
			<i>For Installation With Adhesive, Deduct</i>	-33.73	
			<i>For Oxidized Finish, Add</i>	75.68	
			<i>For Polished Finish, Add</i>	151.37	
10 14 19 00-0171	EA		14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	700.47	16.34
			<i>For Installation With Adhesive, Deduct</i>	-41.56	
			<i>For Oxidized Finish, Add</i>	95.27	
			<i>For Polished Finish, Add</i>	190.54	
10 14 19 00-0172	EA		16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	817.01	19.61
			<i>For Installation With Adhesive, Deduct</i>	-48.69	
			<i>For Oxidized Finish, Add</i>	110.79	
			<i>For Polished Finish, Add</i>	221.57	
10 14 19 00-0173	EA		18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,089.45	21.78
			<i>For Installation With Adhesive, Deduct</i>	-63.19	
			<i>For Oxidized Finish, Add</i>	150.35	
			<i>For Polished Finish, Add</i>	300.69	
10 14 19 00-0174	EA		20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,191.53	24.51
			<i>For Installation With Adhesive, Deduct</i>	-69.38	
			<i>For Oxidized Finish, Add</i>	164.03	
			<i>For Polished Finish, Add</i>	328.05	
10 14 19 00-0175	EA		22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,513.16	25.87
			<i>For Installation With Adhesive, Deduct</i>	-86.01	
			<i>For Oxidized Finish, Add</i>	211.45	
			<i>For Polished Finish, Add</i>	422.90	





<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Signage	10 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0176	EA		24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,922.47	27.23
			<i>For Installation With Adhesive, Deduct</i>	-107.02	
			<i>For Oxidized Finish, Add</i>	272.03	
			<i>For Polished Finish, Add</i>	544.07	
10 14 19 00-0177	EA		30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	2,902.87	32.68
			<i>For Installation With Adhesive, Deduct</i>	-158.22	
			<i>For Oxidized Finish, Add</i>	415.82	
			<i>For Polished Finish, Add</i>	831.65	
<b>10 14 19 00-0178</b>			<b>Satin Finish, Bronze Characters</b> <small>(10 14 19 00-0049)</small>		
<b>10 14 19 00-0179</b>			<b>1/4" Deep, Satin Finish, Bronze Characters</b> <small>(10 14 19 00-0178)</small>		
10 14 19 00-0180	EA		2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	66.47	6.81
			<i>For Installation With Adhesive, Deduct</i>	-6.05	
			<i>For Oxidized Finish, Add</i>	5.89	
			<i>For Polished Or Patina Finish, Add</i>	11.77	
10 14 19 00-0181	EA		4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	86.24	7.89
			<i>For Installation With Adhesive, Deduct</i>	-7.47	
			<i>For Oxidized Finish, Add</i>	8.20	
			<i>For Polished Or Patina Finish, Add</i>	16.40	
10 14 19 00-0182	EA		6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	119.40	9.53
			<i>For Installation With Adhesive, Deduct</i>	-9.78	
			<i>For Oxidized Finish, Add</i>	12.19	
			<i>For Polished Or Patina Finish, Add</i>	24.38	
10 14 19 00-0183	EA		8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	157.08	10.89
			<i>For Installation With Adhesive, Deduct</i>	-12.21	
			<i>For Oxidized Finish, Add</i>	17.03	
			<i>For Polished Or Patina Finish, Add</i>	34.05	
10 14 19 00-0184	EA		10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	201.76	12.25
			<i>For Installation With Adhesive, Deduct</i>	-14.99	
			<i>For Oxidized Finish, Add</i>	22.91	
			<i>For Polished Or Patina Finish, Add</i>	45.83	
10 14 19 00-0185	EA		12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	255.65	14.16
			<i>For Installation With Adhesive, Deduct</i>	-18.45	
			<i>For Oxidized Finish, Add</i>	29.85	
			<i>For Polished Or Patina Finish, Add</i>	59.70	
10 14 19 00-0186	EA		14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	320.40	16.34
			<i>For Installation With Adhesive, Deduct</i>	-22.56	
			<i>For Oxidized Finish, Add</i>	38.26	
			<i>For Polished Or Patina Finish, Add</i>	76.52	
10 14 19 00-0187	EA		16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	397.95	19.61
			<i>For Installation With Adhesive, Deduct</i>	-27.74	
			<i>For Oxidized Finish, Add</i>	47.93	
			<i>For Polished Or Patina Finish, Add</i>	95.86	
10 14 19 00-0188	EA		18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	476.73	21.78
			<i>For Installation With Adhesive, Deduct</i>	-32.55	
			<i>For Oxidized Finish, Add</i>	58.44	
			<i>For Polished Or Patina Finish, Add</i>	116.88	
10 14 19 00-0189	EA		20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	566.09	24.51
			<i>For Installation With Adhesive, Deduct</i>	-38.11	
			<i>For Oxidized Finish, Add</i>	70.21	
			<i>For Polished Or Patina Finish, Add</i>	140.42	
10 14 19 00-0190	EA		22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	661.23	25.87
			<i>For Installation With Adhesive, Deduct</i>	-43.41	
			<i>For Oxidized Finish, Add</i>	83.66	
			<i>For Polished Or Patina Finish, Add</i>	167.33	
10 14 19 00-0191	EA		24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	766.17	27.23
			<i>For Installation With Adhesive, Deduct</i>	-49.20	
			<i>For Oxidized Finish, Add</i>	98.59	
			<i>For Polished Or Patina Finish, Add</i>	197.18	
10 14 19 00-0192	EA		30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	1,164.94	32.68
			<i>For Installation With Adhesive, Deduct</i>	-71.32	
			<i>For Oxidized Finish, Add</i>	155.13	
			<i>For Polished Or Patina Finish, Add</i>	310.27	
<b>10 14 19 00-0193</b>			<b>3/8" Deep, Satin Finish, Bronze Characters</b> <small>(10 14 19 00-0178)</small>		
10 14 19 00-0194	EA		2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	79.03	6.81
			<i>For Installation With Adhesive, Deduct</i>	-6.67	
			<i>For Oxidized Finish, Add</i>	7.77	
			<i>For Polished Or Patina Finish, Add</i>	15.54	
10 14 19 00-0195	EA		4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	103.19	7.89
			<i>For Installation With Adhesive, Deduct</i>	-8.32	
			<i>For Oxidized Finish, Add</i>	10.74	
			<i>For Polished Or Patina Finish, Add</i>	21.48	
10 14 19 00-0196	EA		6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	150.29	9.53
			<i>For Installation With Adhesive, Deduct</i>	-11.33	
			<i>For Oxidized Finish, Add</i>	16.83	
			<i>For Polished Or Patina Finish, Add</i>	33.65	
10 14 19 00-0197	EA		8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	199.08	10.89
			<i>For Installation With Adhesive, Deduct</i>	-14.31	
			<i>For Oxidized Finish, Add</i>	23.33	
			<i>For Polished Or Patina Finish, Add</i>	46.65	

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0198	EA		10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	270.50	12.25
			<i>For Installation With Adhesive, Deduct</i>	-18.43	
			<i>For Oxidized Finish, Add</i>	33.22	
			<i>For Polished Or Patina Finish, Add</i>	66.45	
10 14 19 00-0199	EA		12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	343.21	14.16
			<i>For Installation With Adhesive, Deduct</i>	-22.83	
			<i>For Oxidized Finish, Add</i>	42.98	
			<i>For Polished Or Patina Finish, Add</i>	85.97	
10 14 19 00-0200	EA		14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	430.08	16.34
			<i>For Installation With Adhesive, Deduct</i>	-28.04	
			<i>For Oxidized Finish, Add</i>	54.71	
			<i>For Polished Or Patina Finish, Add</i>	109.42	
10 14 19 00-0201	EA		16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	532.14	19.61
			<i>For Installation With Adhesive, Deduct</i>	-34.45	
			<i>For Oxidized Finish, Add</i>	68.06	
			<i>For Polished Or Patina Finish, Add</i>	136.11	
10 14 19 00-0202	EA		18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	644.25	21.78
			<i>For Installation With Adhesive, Deduct</i>	-40.93	
			<i>For Oxidized Finish, Add</i>	83.57	
			<i>For Polished Or Patina Finish, Add</i>	167.13	
10 14 19 00-0203	EA		20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	767.36	24.51
			<i>For Installation With Adhesive, Deduct</i>	-48.17	
			<i>For Oxidized Finish, Add</i>	100.40	
			<i>For Polished Or Patina Finish, Add</i>	200.80	
10 14 19 00-0204	EA		22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	901.07	25.87
			<i>For Installation With Adhesive, Deduct</i>	-55.40	
			<i>For Oxidized Finish, Add</i>	119.64	
			<i>For Polished Or Patina Finish, Add</i>	239.28	
10 14 19 00-0205	EA		24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	1,022.50	27.23
			<i>For Installation With Adhesive, Deduct</i>	-62.02	
			<i>For Oxidized Finish, Add</i>	137.04	
			<i>For Polished Or Patina Finish, Add</i>	274.07	
10 14 19 00-0206	EA		30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	1,402.82	32.68
			<i>For Installation With Adhesive, Deduct</i>	-83.21	
			<i>For Oxidized Finish, Add</i>	190.82	
			<i>For Polished Or Patina Finish, Add</i>	381.63	
<b>10 14 19 00-0207</b>			<b>1/2" Deep, Satin Finish, Bronze Characters <small>(10 14 19 00-0178)</small></b> .....		
10 14 19 00-0208	EA		2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	81.77	6.81
			<i>For Installation With Adhesive, Deduct</i>	-6.81	
			<i>For Oxidized Finish, Add</i>	8.18	
			<i>For Polished Or Patina Finish, Add</i>	16.36	
10 14 19 00-0209	EA		4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	122.86	7.89
			<i>For Installation With Adhesive, Deduct</i>	-9.30	
			<i>For Oxidized Finish, Add</i>	13.69	
			<i>For Polished Or Patina Finish, Add</i>	27.38	
10 14 19 00-0210	EA		6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	175.48	9.53
			<i>For Installation With Adhesive, Deduct</i>	-12.59	
			<i>For Oxidized Finish, Add</i>	20.60	
			<i>For Polished Or Patina Finish, Add</i>	41.21	
10 14 19 00-0211	EA		8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	242.22	10.89
			<i>For Installation With Adhesive, Deduct</i>	-16.47	
			<i>For Oxidized Finish, Add</i>	29.80	
			<i>For Polished Or Patina Finish, Add</i>	59.60	
10 14 19 00-0212	EA		10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	331.60	12.25
			<i>For Installation With Adhesive, Deduct</i>	-21.48	
			<i>For Oxidized Finish, Add</i>	42.39	
			<i>For Polished Or Patina Finish, Add</i>	84.78	
10 14 19 00-0213	EA		12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	452.65	14.16
			<i>For Installation With Adhesive, Deduct</i>	-28.30	
			<i>For Oxidized Finish, Add</i>	59.40	
			<i>For Polished Or Patina Finish, Add</i>	118.80	
10 14 19 00-0214	EA		14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	588.21	16.34
			<i>For Installation With Adhesive, Deduct</i>	-35.95	
			<i>For Oxidized Finish, Add</i>	78.43	
			<i>For Polished Or Patina Finish, Add</i>	156.86	
10 14 19 00-0215	EA		16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	736.63	19.61
			<i>For Installation With Adhesive, Deduct</i>	-44.67	
			<i>For Oxidized Finish, Add</i>	98.73	
			<i>For Polished Or Patina Finish, Add</i>	197.46	
10 14 19 00-0216	EA		18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	905.27	21.78
			<i>For Installation With Adhesive, Deduct</i>	-53.98	
			<i>For Oxidized Finish, Add</i>	122.72	
			<i>For Polished Or Patina Finish, Add</i>	245.44	
10 14 19 00-0217	EA		20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	1,085.64	24.51
			<i>For Installation With Adhesive, Deduct</i>	-64.09	
			<i>For Oxidized Finish, Add</i>	148.14	
			<i>For Polished Or Patina Finish, Add</i>	296.28	
10 14 19 00-0218	EA		22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	1,285.91	25.87
			<i>For Installation With Adhesive, Deduct</i>	-74.64	
			<i>For Oxidized Finish, Add</i>	177.36	
			<i>For Polished Or Patina Finish, Add</i>	354.73	



<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Signage</b>	<b>10 14</b>

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0219	EA		24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,495.72	27.23
			<i>For Installation With Adhesive, Deduct</i>	-85.68	
			<i>For Oxidized Finish, Add</i>	208.02	
			<i>For Polished Or Patina Finish, Add</i>	416.04	
10 14 19 00-0220	EA		30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	2,095.75	32.68
			<i>For Installation With Adhesive, Deduct</i>	-117.86	
			<i>For Oxidized Finish, Add</i>	294.75	
			<i>For Polished Or Patina Finish, Add</i>	589.51	
<b>10 14 19 00-0221</b>			<b>Satin Finish, Copper Characters</b> <small>(10 14 19 00-0049)</small>		
<b>10 14 19 00-0222</b>			<b>1/4" Deep, Satin Finish, Copper Characters</b> <small>(10 14 19 00-0221)</small>		
10 14 19 00-0223	EA		2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	62.76	6.81
			<i>For Installation With Adhesive, Deduct</i>	-5.86	
			<i>For Polished Finish, Add</i>	10.66	
10 14 19 00-0224	EA		4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	82.35	7.89
			<i>For Installation With Adhesive, Deduct</i>	-7.28	
			<i>For Polished Finish, Add</i>	15.23	
10 14 19 00-0225	EA		6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	116.80	9.53
			<i>For Installation With Adhesive, Deduct</i>	-9.65	
			<i>For Polished Finish, Add</i>	23.60	
10 14 19 00-0226	EA		8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	155.24	10.89
			<i>For Installation With Adhesive, Deduct</i>	-12.12	
			<i>For Polished Finish, Add</i>	33.50	
10 14 19 00-0227	EA		10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	197.48	12.25
			<i>For Installation With Adhesive, Deduct</i>	-14.78	
			<i>For Polished Finish, Add</i>	44.54	
10 14 19 00-0228	EA		12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	252.07	14.16
			<i>For Installation With Adhesive, Deduct</i>	-18.27	
			<i>For Polished Finish, Add</i>	58.63	
10 14 19 00-0229	EA		14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	316.61	16.34
			<i>For Installation With Adhesive, Deduct</i>	-22.37	
			<i>For Polished Finish, Add</i>	75.38	
10 14 19 00-0230	EA		16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	390.60	19.61
			<i>For Installation With Adhesive, Deduct</i>	-27.37	
			<i>For Polished Finish, Add</i>	93.65	
10 14 19 00-0231	EA		18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	469.10	21.78
			<i>For Installation With Adhesive, Deduct</i>	-32.17	
			<i>For Polished Finish, Add</i>	114.59	
10 14 19 00-0232	EA		20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	556.13	24.51
			<i>For Installation With Adhesive, Deduct</i>	-37.61	
			<i>For Polished Finish, Add</i>	137.43	
10 14 19 00-0233	EA		22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	650.42	25.87
			<i>For Installation With Adhesive, Deduct</i>	-42.87	
			<i>For Polished Finish, Add</i>	164.08	
10 14 19 00-0234	EA		24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	752.29	27.23
			<i>For Installation With Adhesive, Deduct</i>	-48.51	
			<i>For Polished Finish, Add</i>	193.01	
10 14 19 00-0235	EA		30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,083.06	32.68
			<i>For Installation With Adhesive, Deduct</i>	-67.23	
			<i>For Polished Finish, Add</i>	285.70	
<b>10 14 19 00-0236</b>			<b>3/8" Deep, Satin Finish, Copper Characters</b> <small>(10 14 19 00-0221)</small>		
10 14 19 00-0237	EA		2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	71.64	6.81
			<i>For Installation With Adhesive, Deduct</i>	-6.31	
			<i>For Polished Finish, Add</i>	13.32	
10 14 19 00-0238	EA		4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	97.58	7.89
			<i>For Installation With Adhesive, Deduct</i>	-8.04	
			<i>For Polished Finish, Add</i>	19.80	
10 14 19 00-0239	EA		6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	144.33	9.53
			<i>For Installation With Adhesive, Deduct</i>	-11.03	
			<i>For Polished Finish, Add</i>	31.86	
10 14 19 00-0240	EA		8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	199.91	10.89
			<i>For Installation With Adhesive, Deduct</i>	-14.35	
			<i>For Polished Finish, Add</i>	46.90	
10 14 19 00-0241	EA		10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	271.72	12.25
			<i>For Installation With Adhesive, Deduct</i>	-18.49	
			<i>For Polished Finish, Add</i>	66.81	
10 14 19 00-0242	EA		12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	340.01	14.16
			<i>For Installation With Adhesive, Deduct</i>	-22.67	
			<i>For Polished Finish, Add</i>	85.01	
10 14 19 00-0243	EA		14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	429.67	16.34
			<i>For Installation With Adhesive, Deduct</i>	-28.02	
			<i>For Polished Finish, Add</i>	109.30	
10 14 19 00-0244	EA		16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	531.07	19.61
			<i>For Installation With Adhesive, Deduct</i>	-34.40	
			<i>For Polished Finish, Add</i>	135.79	
10 14 19 00-0245	EA		18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	640.99	21.78
			<i>For Installation With Adhesive, Deduct</i>	-40.76	
			<i>For Polished Finish, Add</i>	166.16	
10 14 19 00-0246	EA		20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	762.28	24.51
			<i>For Installation With Adhesive, Deduct</i>	-47.92	
			<i>For Polished Finish, Add</i>	199.28	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0247	EA		22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	896.54	25.87
			<i>For Installation With Adhesive, Deduct</i>	-55.18	
			<i>For Polished Finish, Add</i>	237.92	
10 14 19 00-0248	EA		24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,009.64	27.23
			<i>For Installation With Adhesive, Deduct</i>	-61.37	
			<i>For Polished Finish, Add</i>	270.22	
10 14 19 00-0249	EA		30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,416.38	32.68
			<i>For Installation With Adhesive, Deduct</i>	-83.89	
			<i>For Polished Finish, Add</i>	385.70	
<b>10 14 19 00-0250</b>			<b>Satin Finish, Stainless Steel Characters</b> <small>(10 14 19 00-0049)</small>		
<b>10 14 19 00-0251</b>			<b>1/4" Deep, Satin Finish, Stainless Steel Characters</b> <small>(10 14 19 00-0250)</small>		
10 14 19 00-0252	EA		2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	63.84	6.81
			<i>For Installation With Adhesive, Deduct</i>	-5.92	
			<i>For Polished Finish, Add</i>	10.98	
10 14 19 00-0253	EA		4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	84.68	7.89
			<i>For Installation With Adhesive, Deduct</i>	-7.39	
			<i>For Polished Finish, Add</i>	15.93	
10 14 19 00-0254	EA		6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	109.52	9.53
			<i>For Installation With Adhesive, Deduct</i>	-9.29	
			<i>For Polished Finish, Add</i>	21.42	
10 14 19 00-0255	EA		8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	142.43	10.89
			<i>For Installation With Adhesive, Deduct</i>	-11.48	
			<i>For Polished Finish, Add</i>	29.66	
10 14 19 00-0256	EA		10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	175.33	12.25
			<i>For Installation With Adhesive, Deduct</i>	-13.67	
			<i>For Polished Finish, Add</i>	37.90	
10 14 19 00-0257	EA		12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	215.92	14.16
			<i>For Installation With Adhesive, Deduct</i>	-16.46	
			<i>For Polished Finish, Add</i>	47.78	
10 14 19 00-0258	EA		14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	259.40	16.34
			<i>For Installation With Adhesive, Deduct</i>	-19.51	
			<i>For Polished Finish, Add</i>	58.22	
10 14 19 00-0259	EA		16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	310.93	19.61
			<i>For Installation With Adhesive, Deduct</i>	-23.39	
			<i>For Polished Finish, Add</i>	69.75	
10 14 19 00-0260	EA		18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	363.57	21.78
			<i>For Installation With Adhesive, Deduct</i>	-26.89	
			<i>For Polished Finish, Add</i>	82.93	
10 14 19 00-0261	EA		20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	425.72	24.51
			<i>For Installation With Adhesive, Deduct</i>	-31.09	
			<i>For Polished Finish, Add</i>	98.31	
10 14 19 00-0262	EA		22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	497.08	25.87
			<i>For Installation With Adhesive, Deduct</i>	-35.20	
			<i>For Polished Finish, Add</i>	118.08	
10 14 19 00-0263	EA		24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	570.25	27.23
			<i>For Installation With Adhesive, Deduct</i>	-39.40	
			<i>For Polished Finish, Add</i>	138.40	
10 14 19 00-0264	EA		30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	786.10	32.68
			<i>For Installation With Adhesive, Deduct</i>	-52.38	
			<i>For Polished Finish, Add</i>	196.61	
<b>10 14 19 00-0265</b>			<b>3/8" Deep, Satin Finish, Stainless Steel Characters</b> <small>(10 14 19 00-0250)</small>		
10 14 19 00-0266	EA		2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	76.66	6.81
			<i>For Installation With Adhesive, Deduct</i>	-6.56	
			<i>For Polished Finish, Add</i>	14.83	
10 14 19 00-0267	EA		4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	103.26	7.89
			<i>For Installation With Adhesive, Deduct</i>	-8.32	
			<i>For Polished Finish, Add</i>	21.50	
10 14 19 00-0268	EA		6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	133.08	9.53
			<i>For Installation With Adhesive, Deduct</i>	-10.47	
			<i>For Polished Finish, Add</i>	28.49	
10 14 19 00-0269	EA		8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	171.10	10.89
			<i>For Installation With Adhesive, Deduct</i>	-12.91	
			<i>For Polished Finish, Add</i>	38.26	
10 14 19 00-0270	EA		10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	211.96	12.25
			<i>For Installation With Adhesive, Deduct</i>	-15.50	
			<i>For Polished Finish, Add</i>	48.89	
10 14 19 00-0271	EA		12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	262.11	14.16
			<i>For Installation With Adhesive, Deduct</i>	-18.77	
			<i>For Polished Finish, Add</i>	61.64	
10 14 19 00-0272	EA		14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	315.68	16.34
			<i>For Installation With Adhesive, Deduct</i>	-22.32	
			<i>For Polished Finish, Add</i>	75.10	
10 14 19 00-0273	EA		16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	378.35	19.61
			<i>For Installation With Adhesive, Deduct</i>	-26.76	
			<i>For Polished Finish, Add</i>	89.98	
10 14 19 00-0274	EA		18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	440.97	21.78
			<i>For Installation With Adhesive, Deduct</i>	-30.76	
			<i>For Polished Finish, Add</i>	106.15	



<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Signage</b>	<b>10 14</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0275	EA		20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	517.48	24.51
			<i>For Installation With Adhesive, Deduct</i>	-35.68	
			<i>For Polished Finish, Add</i>	125.84	
10 14 19 00-0276	EA		22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	583.67	25.87
			<i>For Installation With Adhesive, Deduct</i>	-39.53	
			<i>For Polished Finish, Add</i>	144.06	
10 14 19 00-0277	EA		24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	671.74	27.23
			<i>For Installation With Adhesive, Deduct</i>	-44.48	
			<i>For Polished Finish, Add</i>	168.85	
10 14 19 00-0278	EA		30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	930.29	32.68
			<i>For Installation With Adhesive, Deduct</i>	-59.59	
			<i>For Polished Finish, Add</i>	239.87	
<b>10 14 19 00-0279</b>			<b>1/2" Deep, Satin Finish, Stainless Steel Characters</b> <small>(10 14 19 00-0250)</small>		
10 14 19 00-0280	EA		2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	93.13	6.81
			<i>For Installation With Adhesive, Deduct</i>	-7.38	
			<i>For Polished Finish, Add</i>	19.77	
10 14 19 00-0281	EA		4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	127.15	7.89
			<i>For Installation With Adhesive, Deduct</i>	-9.52	
			<i>For Polished Finish, Add</i>	28.67	
10 14 19 00-0282	EA		6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	164.49	9.53
			<i>For Installation With Adhesive, Deduct</i>	-12.04	
			<i>For Polished Finish, Add</i>	37.91	
10 14 19 00-0283	EA		8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	217.56	10.89
			<i>For Installation With Adhesive, Deduct</i>	-15.24	
			<i>For Polished Finish, Add</i>	52.20	
10 14 19 00-0284	EA		10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	271.33	12.25
			<i>For Installation With Adhesive, Deduct</i>	-18.47	
			<i>For Polished Finish, Add</i>	66.70	
10 14 19 00-0285	EA		12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	336.96	14.16
			<i>For Installation With Adhesive, Deduct</i>	-22.51	
			<i>For Polished Finish, Add</i>	84.09	
10 14 19 00-0286	EA		14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	406.88	16.34
			<i>For Installation With Adhesive, Deduct</i>	-26.88	
			<i>For Polished Finish, Add</i>	102.46	
10 14 19 00-0287	EA		16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	487.62	19.61
			<i>For Installation With Adhesive, Deduct</i>	-32.22	
			<i>For Polished Finish, Add</i>	122.76	
10 14 19 00-0288	EA		18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	581.95	21.78
			<i>For Installation With Adhesive, Deduct</i>	-37.81	
			<i>For Polished Finish, Add</i>	148.44	
10 14 19 00-0289	EA		20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	684.60	24.51
			<i>For Installation With Adhesive, Deduct</i>	-44.03	
			<i>For Polished Finish, Add</i>	175.97	
10 14 19 00-0290	EA		22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	768.66	25.87
			<i>For Installation With Adhesive, Deduct</i>	-48.78	
			<i>For Polished Finish, Add</i>	199.55	
10 14 19 00-0291	EA		24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	888.57	27.23
			<i>For Installation With Adhesive, Deduct</i>	-55.32	
			<i>For Polished Finish, Add</i>	233.90	
10 14 19 00-0292	EA		30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	1,238.32	32.68
			<i>For Installation With Adhesive, Deduct</i>	-74.99	
			<i>For Polished Finish, Add</i>	332.28	
<b>10 14 23</b>			<b>Panel Signage</b> <small>(10 14)</small>		
<b>10 14 23 11</b>			<b>Panel Signage</b> <small>(10 14 23)</small>		
10 14 23 11-0001			<b>Indoor/Outdoor Signs</b> <small>(10 14 23 11)</small>		
			Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.		
10 14 23 11-0002			<b>Surface Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0001)</small>		
10 14 23 11-0003			<b>Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0002)</small>		
			Note: Multi-color with words, symbols and graphics.		
10 14 23 11-0004	EA		Up To 25 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	25.33	9.92
			<i>For &gt;25 To 50, Deduct</i>	-0.55	
			<i>For &gt;50 To 100, Deduct</i>	-1.37	
			<i>For &gt;100, Deduct</i>	-1.65	
			<i>For Clear Glass Mount, Add</i>	4.39	
			<i>For Glow-In-Dark, Add</i>	10.98	
			<i>For Reflective Finish, Add</i>	12.35	
10 14 23 11-0005	EA		>25 To 50 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	29.25	9.92
			<i>For &gt;25 To 50, Deduct</i>	-0.94	
			<i>For &gt;50 To 100, Deduct</i>	-2.35	
			<i>For &gt;100, Deduct</i>	-2.82	
			<i>For Clear Glass Mount, Add</i>	7.53	
			<i>For Glow-In-Dark, Add</i>	18.82	
			<i>For Reflective Finish, Add</i>	21.17	

<b>10</b>	<b>10</b>	<b>Specialties</b>
	<b>10 10</b>	<b>Information Specialties</b>
	<b>10 14</b>	<b>Signage</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0006 EA >50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	35.53	9.92
For >25 To 50, Deduct	-1.57	
For >50 To 100, Deduct	-3.92	
For >100, Deduct	-4.71	
For Clear Glass Mount, Add	12.55	
For Glow-In-Dark, Add	31.38	
For Reflective Finish, Add	35.30	
10 14 23 11-0007 EA >100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	43.38	9.92
For >25 To 50, Deduct	-2.35	
For >50 To 100, Deduct	-5.89	
For >100, Deduct	-7.06	
For Clear Glass Mount, Add	18.83	
For Glow-In-Dark, Add	47.08	
For Reflective Finish, Add	52.97	
10 14 23 11-0008 EA >250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	57.50	9.92
For >25 To 50, Deduct	-3.77	
For >50 To 100, Deduct	-9.42	
For >100, Deduct	-11.30	
For Clear Glass Mount, Add	30.13	
For Glow-In-Dark, Add	75.32	
For Reflective Finish, Add	84.74	
10 14 23 11-0009 EA >500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	82.60	9.92
For >25 To 50, Deduct	-6.28	
For >50 To 100, Deduct	-15.69	
For >100, Deduct	-18.83	
For Clear Glass Mount, Add	50.21	
For Glow-In-Dark, Add	125.52	
For Reflective Finish, Add	141.21	
10 14 23 11-0010 EA >750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	113.98	9.92
For >25 To 50, Deduct	-9.41	
For >50 To 100, Deduct	-23.54	
For >100, Deduct	-28.24	
For Clear Glass Mount, Add	75.31	
For Glow-In-Dark, Add	188.28	
For Reflective Finish, Add	211.82	
10 14 23 11-0011 SI >1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	0.12	0.01
For Clear Glass Mount, Add	0.08	
For Glow-In-Dark, Add	0.20	
For Reflective Finish, Add	0.23	
<b>10 14 23 11-0012 Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs</b>		
<small>(10 14 23 11-0002)</small>		
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 11-0013 EA Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	26.90	9.92
For >25 To 50, Deduct	-0.71	
For >50 To 100, Deduct	-1.77	
For >100, Deduct	-2.12	
For Glow-In-Dark, Add	14.12	
For Reflective Finish, Add	15.18	
10 14 23 11-0014 EA >25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	30.82	9.92
For >25 To 50, Deduct	-1.10	
For >50 To 100, Deduct	-2.75	
For >100, Deduct	-3.29	
For Glow-In-Dark, Add	21.96	
For Reflective Finish, Add	23.61	
10 14 23 11-0015 EA >50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	38.67	9.92
For >25 To 50, Deduct	-1.88	
For >50 To 100, Deduct	-4.71	
For >100, Deduct	-5.65	
For Glow-In-Dark, Add	37.66	
For Reflective Finish, Add	40.48	
10 14 23 11-0016 EA >100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	46.51	9.92
For >25 To 50, Deduct	-2.67	
For >50 To 100, Deduct	-6.67	
For >100, Deduct	-8.00	
For Glow-In-Dark, Add	53.34	
For Reflective Finish, Add	57.34	
10 14 23 11-0017 EA >250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	58.28	9.92
For >25 To 50, Deduct	-3.84	
For >50 To 100, Deduct	-9.61	
For >100, Deduct	-11.53	
For Glow-In-Dark, Add	76.88	
For Reflective Finish, Add	82.65	
10 14 23 11-0018 EA >500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	70.05	9.92
For >25 To 50, Deduct	-5.02	
For >50 To 100, Deduct	-12.55	
For >100, Deduct	-15.06	
For Glow-In-Dark, Add	100.42	
For Reflective Finish, Add	107.95	
10 14 23 11-0019 EA >750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	82.60	9.92
For >25 To 50, Deduct	-6.28	
For >50 To 100, Deduct	-15.69	
For >100, Deduct	-18.83	
For Glow-In-Dark, Add	125.52	
For Reflective Finish, Add	134.93	



<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Signage</b>	<b>10 14</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0020	SI		>1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign ..... <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	0.09 0.14 0.15	0.01
<b>10 14 23 11-0021</b>			<b>Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille</b> <small>(10 14 23 11-0002)</small> Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0022	EA		Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Molded Plastic Frame, Add</i> <i>For Brushed Metal Finish/Faux Metal Finish, Add</i> <i>For 2" Height Slider Channel For Custom Inserts, Add</i>	38.67 -1.88 -4.71 -5.65 15.00 23.00 35.00	9.92
10 14 23 11-0023	EA		>25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Molded Plastic Frame, Add</i> <i>For Brushed Metal Finish/Faux Metal Finish, Add</i> <i>For 2" Height Slider Channel For Custom Inserts, Add</i>	43.38 -2.35 -5.89 -7.06 17.00 28.00 35.00	9.92
10 14 23 11-0024	EA		>50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Molded Plastic Frame, Add</i> <i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	51.22 -3.14 -7.85 -9.41 19.00 31.00	9.92
10 14 23 11-0025	EA		>75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Molded Plastic Frame, Add</i> <i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	58.59 -3.88 -9.69 -11.63 21.00 35.00	9.92
10 14 23 11-0026	SI		>100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille..... <i>For Molded Plastic Frame, Add</i> <i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	0.64 0.20 0.31	0.10
<b>10 14 23 11-0027</b>			<b>Engraved Steel, Surface Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0002)</small> Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0028	EA		Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Molded Plastic Frame, Add</i>	49.65 -2.98 -7.45 -8.94 15.00	9.92
10 14 23 11-0029	EA		>25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Molded Plastic Frame, Add</i>	59.06 -3.92 -9.81 -11.77 17.00	9.92
10 14 23 11-0030	EA		>50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Molded Plastic Frame, Add</i>	71.62 -5.18 -12.95 -15.53 19.00	9.92
10 14 23 11-0031	EA		>75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Molded Plastic Frame, Add</i>	96.72 -7.69 -19.22 -23.06 21.00	9.92
10 14 23 11-0032	SI		>100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign ..... <i>For Molded Plastic Frame, Add</i>	0.97 0.20	0.10
<b>10 14 23 11-0033</b>			<b>Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0002)</small> Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 11-0034	EA		Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	26.12 -0.63 -1.57 -1.88 3.77 4.71	9.92
10 14 23 11-0035	EA		>25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	30.82 -1.10 -2.75 -3.29 6.59 8.24	9.92
10 14 23 11-0036	EA		>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	40.24 -2.04 -5.10 -6.12 12.24 15.30	9.92

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0037	EA		>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign .....	51.22	9.92
			<i>For &gt;25 To 50, Deduct</i>	-3.14	
			<i>For &gt;50 To 100, Deduct</i>	-7.85	
			<i>For &gt;100, Deduct</i>	-9.41	
			<i>For Glow-In-Dark, Add</i>	18.83	
			<i>For Reflective Finish, Add</i>	23.54	
10 14 23 11-0038	EA		>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign .....	84.17	9.92
			<i>For &gt;25 To 50, Deduct</i>	-6.43	
			<i>For &gt;50 To 100, Deduct</i>	-16.08	
			<i>For &gt;100, Deduct</i>	-19.30	
			<i>For Glow-In-Dark, Add</i>	38.60	
			<i>For Reflective Finish, Add</i>	48.25	
10 14 23 11-0039	EA		>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign .....	98.29	9.92
			<i>For &gt;25 To 50, Deduct</i>	-7.85	
			<i>For &gt;50 To 100, Deduct</i>	-19.61	
			<i>For &gt;100, Deduct</i>	-23.54	
			<i>For Glow-In-Dark, Add</i>	47.07	
			<i>For Reflective Finish, Add</i>	58.84	
10 14 23 11-0040	EA		>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign .....	117.12	9.92
			<i>For &gt;25 To 50, Deduct</i>	-9.73	
			<i>For &gt;50 To 100, Deduct</i>	-24.32	
			<i>For &gt;100, Deduct</i>	-29.18	
			<i>For Glow-In-Dark, Add</i>	58.37	
			<i>For Reflective Finish, Add</i>	72.96	
10 14 23 11-0041	SI		>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign.....	0.13	0.01
			<i>For Glow-In-Dark, Add</i>	0.07	
			<i>For Reflective Finish, Add</i>	0.08	
10 14 23 11-0042			<b>California Title 24, Surface Mount, Signs</b> <small>(10 14 23 11-0002)</small>		
10 14 23 11-0043			<b>California Title 24, Surface Mount, Geometric Restroom Signs</b> <small>(10 14 23 11-0042)</small>		
			Note: Includes 1/4" thick acrylic or PVC construction, color that contrasts with the door color, and with or without the international symbol of accessibility and staff only designation.		
10 14 23 11-0044	EA		1/4" Thick, Equilateral Triangle With 12" Long Edges, California Title 24, Surface Mount, Geometric Male Restroom Sign.....	77.50	9.92
			<i>For &gt;25 To 50, Deduct</i>	-5.77	
			<i>For &gt;50 To 100, Deduct</i>	-8.65	
			<i>For &gt;100, Deduct</i>	-9.80	
10 14 23 11-0045	EA		1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Female Restroom Sign .....	77.50	9.92
			<i>For &gt;25 To 50, Deduct</i>	-5.77	
			<i>For &gt;50 To 100, Deduct</i>	-8.65	
			<i>For &gt;100, Deduct</i>	-9.80	
10 14 23 11-0046	EA		1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Unisex Restroom Sign .....	100.57	9.92
			Note: Includes contrasting color equilateral triangle with 12" long edges superimposed on the circle.		
			<i>For &gt;25 To 50, Deduct</i>	-8.07	
			<i>For &gt;50 To 100, Deduct</i>	-12.11	
			<i>For &gt;100, Deduct</i>	-13.72	
10 14 23 11-0047			<b>California Title 24, Surface Mount, Stairwell Signs</b> <small>(10 14 23 11-0042)</small>		
			Note: Includes 1/16" matte finish colored polymer face plate with 1/16" acrylic backer. Includes information on stairway location, roof access availability, floor level number, basement or mezzanine level identification and exit level and direction.		
10 14 23 11-0048	EA		1/8" Thick, 12" x 18", California Title 24, Surface Mount, Stairwell Sign .....	149.99	9.92
			<i>For &gt;25 To 50, Deduct</i>	-13.02	
			<i>For &gt;50 To 100, Deduct</i>	-19.52	
			<i>For &gt;100, Deduct</i>	-22.13	
10 14 23 11-0049			<b>Ceiling Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0001)</small>		
10 14 23 11-0050			<b>Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0049)</small>		
10 14 23 11-0051	EA		Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	36.40	13.88
			<i>For &gt;25 To 50, Deduct</i>	-0.86	
			<i>For &gt;50 To 100, Deduct</i>	-2.16	
			<i>For &gt;100, Deduct</i>	-2.59	
			<i>For Glow-In-Dark, Add</i>	5.18	
			<i>For Reflective Finish, Add</i>	6.47	
10 14 23 11-0052	EA		>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	43.46	13.88
			<i>For &gt;25 To 50, Deduct</i>	-1.57	
			<i>For &gt;50 To 100, Deduct</i>	-3.92	
			<i>For &gt;100, Deduct</i>	-4.71	
			<i>For Glow-In-Dark, Add</i>	9.41	
			<i>For Reflective Finish, Add</i>	11.77	
10 14 23 11-0053	EA		>50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	52.87	13.88
			<i>For &gt;25 To 50, Deduct</i>	-2.51	
			<i>For &gt;50 To 100, Deduct</i>	-6.28	
			<i>For &gt;100, Deduct</i>	-7.53	
			<i>For Glow-In-Dark, Add</i>	15.06	
			<i>For Reflective Finish, Add</i>	18.83	





<b>Specialties</b>	<b>10</b>
Information Specialties	10 10
Signage	10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0054	EA		>100 To 150 Sl, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	66.99	13.88
			<i>For &gt;25 To 50, Deduct</i>	-3.92	
			<i>For &gt;50 To 100, Deduct</i>	-9.81	
			<i>For &gt;100, Deduct</i>	-11.77	
			<i>For Glow-In-Dark, Add</i>	23.53	
			<i>For Reflective Finish, Add</i>	29.42	
10 14 23 11-0055			<b>90 Degree, Projection Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0001)</small>		
10 14 23 11-0056			<b>Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0055)</small>		
10 14 23 11-0057	EA		Up To 25 Sl, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign .....	37.18	13.88
			<i>For &gt;25 To 50, Deduct</i>	-0.94	
			<i>For &gt;50 To 100, Deduct</i>	-2.35	
			<i>For &gt;100, Deduct</i>	-2.82	
			<i>For Glow-In-Dark, Add</i>	5.65	
			<i>For Reflective Finish, Add</i>	7.06	
10 14 23 11-0058	EA		>25 To 50 Sl, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign .....	45.03	13.88
			<i>For &gt;25 To 50, Deduct</i>	-1.73	
			<i>For &gt;50 To 100, Deduct</i>	-4.32	
			<i>For &gt;100, Deduct</i>	-5.18	
			<i>For Glow-In-Dark, Add</i>	10.36	
			<i>For Reflective Finish, Add</i>	12.95	
10 14 23 11-0059	EA		>50 To 100 Sl, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign .....	62.29	13.88
			<i>For &gt;25 To 50, Deduct</i>	-3.45	
			<i>For &gt;50 To 100, Deduct</i>	-8.63	
			<i>For &gt;100, Deduct</i>	-10.36	
			<i>For Glow-In-Dark, Add</i>	20.71	
			<i>For Reflective Finish, Add</i>	25.89	
10 14 23 11-0060	EA		>100 To 150 Sl, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign .....	68.56	13.88
			<i>For &gt;25 To 50, Deduct</i>	-4.08	
			<i>For &gt;50 To 100, Deduct</i>	-10.20	
			<i>For &gt;100, Deduct</i>	-12.24	
			<i>For Glow-In-Dark, Add</i>	24.47	
			<i>For Reflective Finish, Add</i>	30.59	
10 14 23 11-0061			<b>Triangle, Projection Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0001)</small>		
10 14 23 11-0062			<b>Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0061)</small>		
10 14 23 11-0063	EA		Up To 25 Sl, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign .....	39.54	13.88
			<i>For &gt;25 To 50, Deduct</i>	-1.18	
			<i>For &gt;50 To 100, Deduct</i>	-2.94	
			<i>For &gt;100, Deduct</i>	-3.53	
			<i>For Glow-In-Dark, Add</i>	7.06	
			<i>For Reflective Finish, Add</i>	8.83	
10 14 23 11-0064	EA		>25 To 50 Sl, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign .....	51.31	13.88
			<i>For &gt;25 To 50, Deduct</i>	-2.35	
			<i>For &gt;50 To 100, Deduct</i>	-5.89	
			<i>For &gt;100, Deduct</i>	-7.06	
			<i>For Glow-In-Dark, Add</i>	14.12	
			<i>For Reflective Finish, Add</i>	17.66	
10 14 23 11-0065	EA		>50 To 100 Sl, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign .....	56.01	13.88
			<i>For &gt;25 To 50, Deduct</i>	-2.82	
			<i>For &gt;50 To 100, Deduct</i>	-7.06	
			<i>For &gt;100, Deduct</i>	-8.47	
			<i>For Glow-In-Dark, Add</i>	16.94	
			<i>For Reflective Finish, Add</i>	21.18	
10 14 23 11-0066	EA		>100 To 150 Sl, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign .....	62.29	13.88
			<i>For &gt;25 To 50, Deduct</i>	-3.45	
			<i>For &gt;50 To 100, Deduct</i>	-8.63	
			<i>For &gt;100, Deduct</i>	-10.36	
			<i>For Glow-In-Dark, Add</i>	20.71	
			<i>For Reflective Finish, Add</i>	25.89	
10 14 23 11-0067			<b>Adhesive Backed Vinyl Characters</b> <small>(10 14 23 11)</small>		
			Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.		
10 14 23 11-0068	EA		1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	2.59	0.79
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.44	
10 14 23 11-0069	EA		3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	2.68	0.91
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.46	
10 14 23 11-0070	EA		1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	2.77	1.03
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.49	
10 14 23 11-0071	EA		1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	3.70	1.19
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.62	
10 14 23 11-0072	EA		2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	3.83	1.39
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.65	
10 14 23 11-0073	EA		3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	5.42	1.59
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.94	
10 14 23 11-0074	EA		4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	5.80	1.79
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	1.04	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0075	EA		6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character ..... <i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	7.78 1.43	1.99
10 14 23 11-0076	EA		8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character ..... <i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	9.32 1.81	2.18
10 14 23 11-0077	EA		10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character ..... <i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	11.92 2.36	2.38
<b>10 14 23 11-0078</b>			<b>Standoffs For Wall Signage</b> <small>(10 14 23 11)</small> Note: Excludes signage		
10 14 23 11-0079	EA		1/2" Diameter x 1/2" Long, Stainless Steel Standoff .....	13.77	5.45
10 14 23 11-0080	EA		1/2" Diameter x 3/4" Long, Stainless Steel Standoff .....	14.14	5.45
10 14 23 11-0081	EA		1/2" Diameter x 1" Long, Stainless Steel Standoff .....	14.23	5.45
10 14 23 11-0082	EA		5/8" Diameter x 1/2" Long, Stainless Steel Standoff .....	14.97	5.45
10 14 23 11-0083	EA		5/8" Diameter x 3/4" Long, Stainless Steel Standoff .....	15.34	5.45
10 14 23 11-0084	EA		5/8" Diameter x 1" Long, Stainless Steel Standoff .....	16.09	5.45
10 14 23 11-0085	EA		3/4" Diameter x 3/4" Long, Stainless Steel Standoff .....	16.07	6.53
10 14 23 11-0086	EA		3/4" Diameter x 1" Long, Stainless Steel Standoff .....	17.09	6.53
10 14 23 11-0087	EA		3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff .....	17.93	6.53
10 14 23 11-0088	EA		1" Diameter x 3/4" Long, Stainless Steel Standoff .....	19.02	6.53
10 14 23 11-0089	EA		1" Diameter x 1" Long, Stainless Steel Standoff .....	20.22	6.53
10 14 23 11-0090	EA		1" Diameter x 1-1/2" Long, Stainless Steel Standoff .....	21.71	6.53
10 14 23 11-0091	EA		5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff .....	15.25	5.45
10 14 23 11-0092	EA		5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff .....	15.53	5.45
10 14 23 11-0093	EA		3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff .....	16.90	6.53
10 14 23 11-0094	EA		3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff .....	17.18	6.53
10 14 23 11-0095	EA		1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff .....	18.64	6.53
10 14 23 11-0096	EA		1" Diameter x 1" Long, Clear Anodized Aluminum Standoff .....	18.83	6.53
<b>10 14 23 11-0097</b>			<b>Removal And Reinstallation Of Building Signage</b> <small>(10 14 23 11)</small> Note: Includes storage and cleaning.		
10 14 23 11-0098	EA		Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF .....	190.71	
10 14 23 11-0099	EA		Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF .....	219.07	
10 14 23 11-0100	EA		Removal And Reinstallation Of Building Signage, >12 To 20 SF .....	246.31	
10 14 23 11-0101	EA		Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF .....	59.50	
<b>10 14 23 11-0102</b>			<b>Building Sign</b> <small>(10 14 23 11)</small> Note: Includes 4" numbers painted on. Installed on building.		
10 14 23 11-0103	EA		6" x 18" Metal Building Sign With Numbers .....	133.62	23.80
10 14 23 11-0104	SF		Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts .....	41.58	7.62
10 14 23 11-0105	SF		Single Sided, Molding On One Side, For Mounting On Structure Up To 20' .....	31.61	7.08
10 14 23 11-0106	EA		Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep .....	32.90	5.99
10 14 23 11-0107	EA		Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep .....	38.28	6.54
10 14 23 11-0108	EA		Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep .....	42.06	7.08
10 14 23 11-0109	EA		Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep .....	50.13	7.62
<b>10 14 29</b>			<b>Wall or Ground Mounted Signage</b> <small>(10 14)</small> Note: Includes fabrication, delivery, installation, bolts and fasteners and drilling.		
<b>10 14 29 00-0001</b>			<b>Illuminated Signage</b> <small>(10 14 29)</small>		
<b>10 14 29 00-0002</b>			<b>Removal Of Sign Cabinets</b> <small>(10 14 29 00-0001)</small>		
10 14 29 00-0003	EA		Removal Of Sign Cabinet, 1 To 4.9 SF .....	321.42	
10 14 29 00-0004	EA		Removal Of Sign Cabinet, 5 To 9.9 SF .....	385.71	
10 14 29 00-0005	EA		Removal Of Sign Cabinet, 10 To 19.9 SF .....	514.23	
10 14 29 00-0006	EA		Removal Of Sign Cabinet, 20 To 29.9 SF .....	771.41	
10 14 29 00-0007	EA		Removal Of Sign Cabinet, >30 SF .....	1,028.46	
<b>10 14 29 00-0008</b>			<b>Fabricate And Install New Sign Cabinets</b> <small>(10 14 29 00-0001)</small>		
10 14 29 00-0009	SF		1 To 4.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted .....	277.40	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-13.87	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-20.81	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-27.74	
10 14 29 00-0010	SF		5 To 9.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted .....	230.99	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-11.55	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-17.32	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-23.10	
10 14 29 00-0011	SF		10 To 19.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted .....	188.59	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-9.43	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-14.14	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-18.86	
10 14 29 00-0012	SF		20 To 29.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted .....	169.63	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-8.48	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-12.72	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-16.96	
10 14 29 00-0013	SF		=>30 SF, Illuminated Sign Cabinet, Wall/Ground Mounted .....	155.66	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-7.78	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-11.67	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-15.57	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 14 29 00-0014</b>	<b>Fabricate And Install New Sign Face, Material And Legend</b> <small>(10 14 29 00-0001)</small>	
10 14 29 00-0015	SF 1 To 4.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend.....	75.33
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-3.77
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-5.65
	<i>For &gt;20 Per Each Sign, Deduct</i>	-7.53
10 14 29 00-0016	SF 5 To 9.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend.....	61.36
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-3.07
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-4.60
	<i>For &gt;20 Per Each Sign, Deduct</i>	-6.14
10 14 29 00-0017	SF 10 To 19.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend.....	46.89
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-2.34
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-3.52
	<i>For &gt;20 Per Each Sign, Deduct</i>	-4.69
10 14 29 00-0018	SF 20 To 29.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend.....	37.41
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-1.87
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-2.81
	<i>For &gt;20 Per Each Sign, Deduct</i>	-3.74
10 14 29 00-0019	SF =>30 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend.....	29.93
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-1.50
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-2.24
	<i>For &gt;20 Per Each Sign, Deduct</i>	-2.99

<b>10 14 29 00-0020</b>	<b>Posts</b> <small>(10 14 29)</small>	
	Note: Includes mounting bolts and installation for sign blades to posts.	
10 14 29 00-0021	LF 2" Square Galvanized Steel Post.....	22.47
	<i>For Powder Coating, Add</i>	1.03
10 14 29 00-0022	LF 2-3/8" Diameter Galvanized Steel Post.....	21.71
	<i>For Powder Coating, Add</i>	0.97
10 14 29 00-0023	LF 2" Diameter TREX Post.....	9.79
10 14 29 00-0024	EA Mounting On Ground With Base.....	56.86
	Note: Includes bolts and drilling for bolts.	
10 14 29 00-0025	EA Mid Post Mounted Rotating Sign With Graphics.....	256.37
	<i>For &gt;5 To 11, Deduct</i>	-12.82
	<i>For &gt;11 To 20, Deduct</i>	-19.23
	<i>For &gt;20, Deduct</i>	-25.64

**10 14 31 Overhead and Ceiling Hung Signage** (10 14)  
 Note: Includes fabrication, delivery, installation, bolts and fasteners and drilling.

<b>10 14 31 00-0001</b>	<b>Illuminated Signage</b> <small>(10 14 31)</small>	
<b>10 14 31 00-0002</b>	<b>Removal Of Sign Cabinets</b> <small>(10 14 31 00-0001)</small>	
10 14 31 00-0003	EA Removal Of Sign Cabinet, 1 To 4.9 SF.....	353.57
10 14 31 00-0004	EA Removal Of Sign Cabinet, 5 To 9.9 SF.....	424.28
10 14 31 00-0005	EA Removal Of Sign Cabinet, 10 To 19.9 SF.....	565.70
10 14 31 00-0006	EA Removal Of Sign Cabinet, 20 To 29.9 SF.....	848.56
10 14 31 00-0007	EA Removal Of Sign Cabinet, >30 SF.....	1,131.20

<b>10 14 31 00-0008</b>	<b>Fabricate And Install New Sign Cabinets</b> <small>(10 14 31 00-0001)</small>	
10 14 31 00-0009	SF 1 To 4.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	306.84
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-15.34
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-23.01
	<i>For &gt;20 Per Each Sign, Deduct</i>	-30.68
10 14 31 00-0010	SF 5 To 9.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	255.44
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-12.77
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-19.16
	<i>For &gt;20 Per Each Sign, Deduct</i>	-25.54
10 14 31 00-0011	SF 10 To 19.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	208.55
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-10.43
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-15.64
	<i>For &gt;20 Per Each Sign, Deduct</i>	-20.86
10 14 31 00-0012	SF 20 To 29.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	187.60
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-9.38
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-14.07
	<i>For &gt;20 Per Each Sign, Deduct</i>	-18.76
10 14 31 00-0013	SF =>30 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	172.13
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-8.61
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-12.91
	<i>For &gt;20 Per Each Sign, Deduct</i>	-17.21

<b>10 14 31 00-0014</b>	<b>Fabricate And Install New Sign Face, Material And Legend</b> <small>(10 14 31 00-0001)</small>	
10 14 31 00-0015	SF 1 To 4.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	30.97
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-1.55
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-2.32
	<i>For &gt;20 Per Each Sign, Deduct</i>	-3.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 31 00-0016 SF 5 To 9.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	24.77	
For >5 To 11 Per Each Sign, Deduct	-1.24	
For >11 To 20 Per Each Sign, Deduct	-1.86	
For >20 Per Each Sign, Deduct	-2.48	
10 14 31 00-0017 SF 10 To 19.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	20.65	
For >5 To 11 Per Each Sign, Deduct	-1.03	
For >11 To 20 Per Each Sign, Deduct	-1.55	
For >20 Per Each Sign, Deduct	-2.07	
10 14 31 00-0018 SF 20 To 29.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	17.48	
For >5 To 11 Per Each Sign, Deduct	-0.87	
For >11 To 20 Per Each Sign, Deduct	-1.31	
For >20 Per Each Sign, Deduct	-1.75	
10 14 31 00-0019 SF =>30 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	15.42	
For >5 To 11 Per Each Sign, Deduct	-0.77	
For >11 To 20 Per Each Sign, Deduct	-1.16	
For >20 Per Each Sign, Deduct	-1.54	
<b>10 14 43 Photoluminescent Signage (10 14)</b>		
<b>10 14 43 00-0001 Photoluminescent Illuminated Signage (10 14 43)</b>		
10 14 43 00-0002 EA 4-1/2" x 8" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount .....	56.40	9.92
For >25 To 50, Deduct	-3.66	
For >50 To 100, Deduct	-9.14	
For >100, Deduct	-10.97	
10 14 43 00-0003 EA 4-1/2" x 13" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount .....	62.35	9.92
For >25 To 50, Deduct	-4.25	
For >50 To 100, Deduct	-10.63	
For >100, Deduct	-12.75	
10 14 43 00-0004 EA 8" x 10" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount.....	70.52	9.92
For >25 To 50, Deduct	-5.07	
For >50 To 100, Deduct	-12.67	
For >100, Deduct	-15.20	
<b>10 14 53 Traffic Signage (10 14)</b>		
<b>10 14 53 11 Traffic Signage (10 14 53)</b>		
<b>10 14 53 11-0001 Traffic Signs (10 14 53 11)</b>		
<b>10 14 53 11-0002 Reflectorized Stop Signs And Other Traffic Signs (10 14 53 11-0001)</b>		
Note: Excludes posts.		
<b>10 14 53 11-0003 Aluminum Engineer Grade Stop Signs (10 14 53 11-0002)</b>		
10 14 53 11-0004 EA 18" x 18" Aluminum Engineer Grade Stop Sign.....	59.84	17.85
For Hi-Intensity Grade, Add	7.24	
For Diamond Grade, Add	13.76	
10 14 53 11-0005 EA 18" x 24" Aluminum Engineer Grade Stop Sign.....	69.26	18.88
For Hi-Intensity Grade, Add	9.47	
For Diamond Grade, Add	17.99	
10 14 53 11-0006 EA 24" x 24" Aluminum Engineer Grade Stop Sign.....	74.97	19.84
For Hi-Intensity Grade, Add	14.47	
For Diamond Grade, Add	22.94	
10 14 53 11-0007 EA 30" x 30" Aluminum Engineer Grade Stop Sign.....	86.85	20.87
For Hi-Intensity Grade, Add	5.42	
For Diamond Grade, Add	29.37	
10 14 53 11-0008 EA 36" x 36" Aluminum Engineer Grade Stop Sign.....	116.07	21.82
For Hi-Intensity Grade, Add	15.93	
For Diamond Grade, Add	49.98	
<b>10 14 53 11-0009 Other Reflectorized Traffic Signs (10 14 53 11-0002)</b>		
Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
<b>10 14 53 11-0010 Aluminum Engineer Grade Traffic Signs (10 14 53 11-0009)</b>		
10 14 53 11-0011 EA 6" x 12" Aluminum Engineer Grade Traffic Sign .....	37.72	15.87
For Hi-Intensity Grade, Add	1.79	
10 14 53 11-0012 EA 6" x 18" Aluminum Engineer Grade Traffic Sign .....	40.71	15.87
For Hi-Intensity Grade, Add	2.69	
10 14 53 11-0013 EA 9" x 12" Aluminum Engineer Grade Traffic Sign .....	40.71	15.87
For Hi-Intensity Grade, Add	2.69	
10 14 53 11-0014 EA 9" x 15" Aluminum Engineer Grade Traffic Sign .....	42.95	15.87
For Hi-Intensity Grade, Add	3.36	
10 14 53 11-0015 EA 9" x 18" Aluminum Engineer Grade Traffic Sign .....	45.20	15.87
For Hi-Intensity Grade, Add	4.04	
10 14 53 11-0016 EA 9" x 24" Aluminum Engineer Grade Traffic Sign .....	51.66	16.86
For Hi-Intensity Grade, Add	5.38	
10 14 53 11-0017 EA 9" x 48" Aluminum Engineer Grade Traffic Sign .....	69.61	16.86
For Hi-Intensity Grade, Add	10.77	
10 14 53 11-0018 EA 12" x 12" Aluminum Engineer Grade Traffic Sign .....	43.70	15.87
For Hi-Intensity Grade, Add	3.59	
10 14 53 11-0019 EA 12" x 18" Aluminum Engineer Grade Traffic Sign .....	51.66	16.86
For Hi-Intensity Grade, Add	5.38	



<b>Specialties</b>	<b>10</b>
Information Specialties	10 10
Signage	10 14

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0020	EA		12" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	57.64 7.18	16.86
10 14 53 11-0021	EA		12" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	63.62 8.97	16.86
10 14 53 11-0022	EA		12" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	69.61 10.77	16.86
10 14 53 11-0023	EA		17" x 22" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	64.79 9.32	16.86
10 14 53 11-0024	EA		18" x 18" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	60.63 8.07	16.86
10 14 53 11-0025	EA		18" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	69.61 10.77	16.86
10 14 53 11-0026	EA		18" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	80.56 13.46	17.85
10 14 53 11-0027	EA		18" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	89.53 16.15	17.85
10 14 53 11-0028	EA		18" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	115.41 21.53	21.82
10 14 53 11-0029	EA		18" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	124.38 24.22	21.82
10 14 53 11-0030	EA		24" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	83.55 14.36	17.85
10 14 53 11-0031	EA		24" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	95.51 17.94	17.85
10 14 53 11-0032	EA		24" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	107.47 21.53	17.85
10 14 53 11-0033	EA		24" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	127.37 25.12	21.82
10 14 53 11-0034	EA		24" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	139.34 28.71	21.82
10 14 53 11-0035	EA		24" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	151.30 32.30	21.82
10 14 53 11-0036	EA		24" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	163.26 35.89	21.82
10 14 53 11-0037	EA		30" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	110.46 22.43	17.85
10 14 53 11-0038	EA		30" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	133.35 26.91	21.82
10 14 53 11-0039	EA		30" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	148.31 31.40	21.82
10 14 53 11-0040	EA		30" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	171.19 35.89	25.79
10 14 53 11-0041	EA		30" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	209.03 44.86	29.76
10 14 53 11-0042	EA		36" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	151.30 32.30	21.82
10 14 53 11-0043	EA		36" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	177.17 37.68	25.79
10 14 53 11-0044	EA		36" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	203.05 43.06	29.76
10 14 53 11-0045	EA		36" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	221.00 48.45	29.76
10 14 53 11-0046	EA		36" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	246.88 53.83	33.72
10 14 53 11-0047	EA		36" x 73" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	293.69 65.49	37.69
10 14 53 11-0048	EA		36" x 78" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	308.64 69.98	37.69
10 14 53 11-0049	EA		36" x 108" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	410.26 96.89	43.64
10 14 53 11-0050	EA		42" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	206.04 43.96	29.76
10 14 53 11-0051	EA		48" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	258.84 57.42	33.72
10 14 53 11-0052	EA		48" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	290.70 64.60	37.69
10 14 53 11-0053	EA		48" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	314.62 71.77	37.69
10 14 53 11-0054	EA		48" x 66" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	350.45 78.95	43.64
10 14 53 11-0055	EA		48" x 72" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	374.38 86.13	43.64
10 14 53 11-0056	EA		48" x 84" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	430.16 100.48	47.61
10 14 53 11-0057	EA		48" x 96" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	478.00 114.83	47.61
10 14 53 11-0058	EA		48" x 102" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	501.93 122.01	47.61
10 14 53 11-0059	EA		48" x 108" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	529.81 129.19	49.60
10 14 53 11-0060	EA		60" x 72" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	454.08 107.66	47.61
10 14 53 11-0061	EA		72" x 144" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	988.21 258.38	63.48

<b>10</b>	<b>10</b>	<b>Specialties</b>
	<b>10 10</b>	<b>Information Specialties</b>
	<b>10 14</b>	<b>Signage</b>



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
10 14 53 11-0062	EA	78" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	721.20	49.60	186.61
<b>10 14 53 11-0063</b>		<b>Non-Reflectorized Traffic Signs</b> <small>(10 14 53 11-0001)</small>			
		Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.			
<b>10 14 53 11-0064</b>		<b>Steel Non-Reflectorized Traffic Signs</b> <small>(10 14 53 11-0063)</small>			
10 14 53 11-0065	EA	6" x 12" Steel Non Reflectorized Traffic Sign	36.91	15.87	
10 14 53 11-0066	EA	6" x 18" Steel Non Reflectorized Traffic Sign	39.50	15.87	
10 14 53 11-0067	EA	9" x 12" Steel Non Reflectorized Traffic Sign	39.50	15.87	
10 14 53 11-0068	EA	9" x 15" Steel Non Reflectorized Traffic Sign	41.43	15.87	
10 14 53 11-0069	EA	9" x 18" Steel Non Reflectorized Traffic Sign	43.37	15.87	
10 14 53 11-0070	EA	9" x 24" Steel Non Reflectorized Traffic Sign	49.23	16.86	
10 14 53 11-0071	EA	9" x 48" Steel Non Reflectorized Traffic Sign	64.74	16.86	
10 14 53 11-0072	EA	12" x 12" Steel Non Reflectorized Traffic Sign	42.08	15.87	
10 14 53 11-0073	EA	12" x 18" Steel Non Reflectorized Traffic Sign	49.23	16.86	
10 14 53 11-0074	EA	12" x 24" Steel Non Reflectorized Traffic Sign	54.40	16.86	
10 14 53 11-0075	EA	12" x 30" Steel Non Reflectorized Traffic Sign	59.57	16.86	
10 14 53 11-0076	EA	12" x 36" Steel Non Reflectorized Traffic Sign	64.74	16.86	
10 14 53 11-0077	EA	18" x 18" Steel Non Reflectorized Traffic Sign	56.99	16.86	
10 14 53 11-0078	EA	18" x 24" Steel Non Reflectorized Traffic Sign	64.74	16.86	
10 14 53 11-0079	EA	18" x 30" Steel Non Reflectorized Traffic Sign	74.48	17.85	
10 14 53 11-0080	EA	18" x 36" Steel Non Reflectorized Traffic Sign	82.24	17.85	
10 14 53 11-0081	EA	18" x 48" Steel Non Reflectorized Traffic Sign	105.69	21.82	
10 14 53 11-0082	EA	18" x 54" Steel Non Reflectorized Traffic Sign	113.44	21.82	
10 14 53 11-0083	EA	24" x 24" Steel Non Reflectorized Traffic Sign	77.06	17.85	
10 14 53 11-0084	EA	24" x 30" Steel Non Reflectorized Traffic Sign	87.41	17.85	
10 14 53 11-0085	EA	24" x 36" Steel Non Reflectorized Traffic Sign	97.75	17.85	
10 14 53 11-0086	EA	24" x 42" Steel Non Reflectorized Traffic Sign	116.03	21.82	
10 14 53 11-0087	EA	24" x 48" Steel Non Reflectorized Traffic Sign	126.37	21.82	
10 14 53 11-0088	EA	24" x 54" Steel Non Reflectorized Traffic Sign	136.71	21.82	
10 14 53 11-0089	EA	24" x 60" Steel Non Reflectorized Traffic Sign	147.05	21.82	
10 14 53 11-0090	EA	30" x 30" Steel Non Reflectorized Traffic Sign	100.33	17.85	
10 14 53 11-0091	EA	30" x 36" Steel Non Reflectorized Traffic Sign	121.20	21.82	
10 14 53 11-0092	EA	30" x 42" Steel Non Reflectorized Traffic Sign	134.12	21.82	
10 14 53 11-0093	EA	30" x 48" Steel Non Reflectorized Traffic Sign	154.98	25.79	
10 14 53 11-0094	EA	30" x 60" Steel Non Reflectorized Traffic Sign	188.77	29.76	
10 14 53 11-0095	EA	36" x 36" Steel Non Reflectorized Traffic Sign	136.71	21.82	
10 14 53 11-0096	EA	36" x 42" Steel Non Reflectorized Traffic Sign	160.15	25.79	
10 14 53 11-0097	EA	36" x 48" Steel Non Reflectorized Traffic Sign	183.60	29.76	
10 14 53 11-0098	EA	36" x 54" Steel Non Reflectorized Traffic Sign	199.11	29.76	
10 14 53 11-0099	EA	36" x 60" Steel Non Reflectorized Traffic Sign	222.57	33.72	
10 14 53 11-0100	EA	36" x 73" Steel Non Reflectorized Traffic Sign	264.11	37.69	
10 14 53 11-0101	EA	36" x 78" Steel Non Reflectorized Traffic Sign	277.03	37.69	
10 14 53 11-0102	EA	36" x 108" Steel Non Reflectorized Traffic Sign	366.50	43.64	
10 14 53 11-0103	EA	42" x 42" Steel Non Reflectorized Traffic Sign	186.19	29.76	
10 14 53 11-0104	EA	48" x 48" Steel Non Reflectorized Traffic Sign	232.91	33.72	
10 14 53 11-0105	EA	48" x 54" Steel Non Reflectorized Traffic Sign	261.52	37.69	
10 14 53 11-0106	EA	48" x 60" Steel Non Reflectorized Traffic Sign	282.20	37.69	
10 14 53 11-0107	EA	48" x 66" Steel Non Reflectorized Traffic Sign	314.79	43.64	
10 14 53 11-0108	EA	48" x 72" Steel Non Reflectorized Traffic Sign	335.48	43.64	
10 14 53 11-0109	EA	48" x 84" Steel Non Reflectorized Traffic Sign	384.77	47.61	
10 14 53 11-0110	EA	48" x 96" Steel Non Reflectorized Traffic Sign	426.14	47.61	
10 14 53 11-0111	EA	48" x 102" Steel Non Reflectorized Traffic Sign	446.82	47.61	
10 14 53 11-0112	EA	48" x 108" Steel Non Reflectorized Traffic Sign	471.46	49.60	
10 14 53 11-0113	EA	60" x 72" Steel Non Reflectorized Traffic Sign	405.45	47.61	
10 14 53 11-0114	EA	72" x 144" Steel Non Reflectorized Traffic Sign	871.51	63.48	
10 14 53 11-0115	EA	78" x 96" Steel Non Reflectorized Traffic Sign	636.92	49.60	
<b>10 14 53 11-0116</b>		<b>Aluminum Non-Reflectorized Traffic Signs</b> <small>(10 14 53 11-0063)</small>			
10 14 53 11-0117	EA	6" x 12" Aluminum Non Reflectorized Traffic Sign	37.12	15.87	
10 14 53 11-0118	EA	6" x 18" Aluminum Non Reflectorized Traffic Sign	39.81	15.87	
10 14 53 11-0119	EA	9" x 12" Aluminum Non Reflectorized Traffic Sign	39.81	15.87	
10 14 53 11-0120	EA	9" x 15" Aluminum Non Reflectorized Traffic Sign	41.83	15.87	
10 14 53 11-0121	EA	9" x 18" Aluminum Non Reflectorized Traffic Sign	43.85	15.87	
10 14 53 11-0122	EA	9" x 24" Aluminum Non Reflectorized Traffic Sign	49.86	16.86	
10 14 53 11-0123	EA	9" x 48" Aluminum Non Reflectorized Traffic Sign	66.01	16.86	
10 14 53 11-0124	EA	12" x 12" Aluminum Non Reflectorized Traffic Sign	42.50	15.87	
10 14 53 11-0125	EA	12" x 18" Aluminum Non Reflectorized Traffic Sign	49.86	16.86	
10 14 53 11-0126	EA	12" x 24" Aluminum Non Reflectorized Traffic Sign	55.25	16.86	
10 14 53 11-0127	EA	12" x 30" Aluminum Non Reflectorized Traffic Sign	60.63	16.86	
10 14 53 11-0128	EA	12" x 36" Aluminum Non Reflectorized Traffic Sign	66.01	16.86	
10 14 53 11-0129	EA	18" x 18" Aluminum Non Reflectorized Traffic Sign	57.94	16.86	
10 14 53 11-0130	EA	18" x 24" Aluminum Non Reflectorized Traffic Sign	66.01	16.86	
10 14 53 11-0131	EA	18" x 30" Aluminum Non Reflectorized Traffic Sign	76.06	17.85	
10 14 53 11-0132	EA	18" x 36" Aluminum Non Reflectorized Traffic Sign	84.13	17.85	
10 14 53 11-0133	EA	18" x 48" Aluminum Non Reflectorized Traffic Sign	108.22	21.82	
10 14 53 11-0134	EA	18" x 54" Aluminum Non Reflectorized Traffic Sign	116.29	21.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0135 EA 24" x 24" Aluminum Non ReflectORIZED Traffic Sign.....	78.75	17.85
10 14 53 11-0136 EA 24" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	89.51	17.85
10 14 53 11-0137 EA 24" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	100.28	17.85
10 14 53 11-0138 EA 24" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	118.98	21.82
10 14 53 11-0139 EA 24" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	129.74	21.82
10 14 53 11-0140 EA 24" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	140.50	21.82
10 14 53 11-0141 EA 24" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	151.27	21.82
10 14 53 11-0142 EA 30" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	102.97	17.85
10 14 53 11-0143 EA 30" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	124.36	21.82
10 14 53 11-0144 EA 30" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	137.81	21.82
10 14 53 11-0145 EA 30" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	159.20	25.79
10 14 53 11-0146 EA 30" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	194.04	29.76
10 14 53 11-0147 EA 36" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	140.50	21.82
10 14 53 11-0148 EA 36" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	164.58	25.79
10 14 53 11-0149 EA 36" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	188.66	29.76
10 14 53 11-0150 EA 36" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	204.80	29.76
10 14 53 11-0151 EA 36" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	228.89	33.72
10 14 53 11-0152 EA 36" x 73" Aluminum Non ReflectORIZED Traffic Sign.....	271.80	37.69
10 14 53 11-0153 EA 36" x 78" Aluminum Non ReflectORIZED Traffic Sign.....	285.25	37.69
10 14 53 11-0154 EA 36" x 108" Aluminum Non ReflectORIZED Traffic Sign.....	377.88	43.64
10 14 53 11-0155 EA 42" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	191.35	29.76
10 14 53 11-0156 EA 48" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	239.65	33.72
10 14 53 11-0157 EA 48" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	269.11	37.69
10 14 53 11-0158 EA 48" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	290.63	37.69
10 14 53 11-0159 EA 48" x 66" Aluminum Non ReflectORIZED Traffic Sign.....	324.07	43.64
10 14 53 11-0160 EA 48" x 72" Aluminum Non ReflectORIZED Traffic Sign.....	345.59	43.64
10 14 53 11-0161 EA 48" x 84" Aluminum Non ReflectORIZED Traffic Sign.....	396.57	47.61
10 14 53 11-0162 EA 48" x 96" Aluminum Non ReflectORIZED Traffic Sign.....	439.62	47.61
10 14 53 11-0163 EA 48" x 102" Aluminum Non ReflectORIZED Traffic Sign.....	461.15	47.61
10 14 53 11-0164 EA 48" x 108" Aluminum Non ReflectORIZED Traffic Sign.....	486.63	49.60
10 14 53 11-0165 EA 60" x 72" Aluminum Non ReflectORIZED Traffic Sign.....	418.10	47.61
10 14 53 11-0166 EA 72" x 144" Aluminum Non ReflectORIZED Traffic Sign.....	901.85	63.48
10 14 53 11-0167 EA 78" x 96" Aluminum Non ReflectORIZED Traffic Sign.....	658.83	49.60
<b>10 14 53 11-0168 Aluminum Street Signs (10 14 53 11-0001)</b>		
Note: Excludes posts.		
<b>10 14 53 11-0169 Aluminum Engineer Grade Street Signs (10 14 53 11-0168)</b>		
10 14 53 11-0170 EA 6" High, Aluminum Engineer Grade Street Sign.....	65.33	7.93
For Hi-Intensity Grade, Add	14.84	
10 14 53 11-0171 EA 8" High, Aluminum Engineer Grade Street Sign.....	74.06	7.93
For Hi-Intensity Grade, Add	17.46	
10 14 53 11-0172 EA 9" High, Aluminum Engineer Grade Street Sign.....	80.56	7.93
For Hi-Intensity Grade, Add	19.41	
<b>10 14 53 11-0173 Street Sign Accessories (10 14 53 11-0168)</b>		
10 14 53 11-0174 EA Single Bracket And Post Cap For Street Sign.....	19.83	3.97
10 14 53 11-0175 EA Double Bracket And Post Cap For Street Sign.....	19.83	3.97
<b>10 14 53 11-0176 Sign Posts (10 14 53 11-0001)</b>		
Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.		
<b>10 14 53 11-0177 U-Channel Sign Posts (10 14 53 11-0176)</b>		
Note: Excludes digging and concrete.		
<b>10 14 53 11-0178 Baked Enamel U-Channel Sign Posts (10 14 53 11-0177)</b>		
10 14 53 11-0179 EA 3' To 4' Baked Enamel U-Channel Sign Post Base.....	53.15	16.26
10 14 53 11-0180 EA 6' Baked Enamel U-Channel Sign Post.....	69.68	20.33
10 14 53 11-0181 EA 7' Baked Enamel U-Channel Sign Post.....	83.21	24.39
10 14 53 11-0182 EA 8' Baked Enamel U-Channel Sign Post.....	97.41	28.45
10 14 53 11-0183 EA 10' Baked Enamel U-Channel Sign Post.....	117.57	34.55
10 14 53 11-0184 EA 12' Baked Enamel U-Channel Sign Post.....	120.88	34.55
<b>10 14 53 11-0185 Galvanized Steel U-Channel Sign Posts (10 14 53 11-0177)</b>		
10 14 53 11-0186 EA 3' To 4' Galvanized Steel U-Channel Sign Post Base.....	57.41	16.26
10 14 53 11-0187 EA 6' Galvanized Steel U-Channel Sign Post.....	76.43	20.33
10 14 53 11-0188 EA 7' Galvanized Steel U-Channel Sign Post.....	98.49	24.39
10 14 53 11-0189 EA 8' Galvanized Steel U-Channel Sign Post.....	114.29	28.45
10 14 53 11-0190 EA 10' Galvanized Steel U-Channel Sign Post.....	129.86	34.55
10 14 53 11-0191 EA 12' Galvanized Steel U-Channel Sign Post.....	131.57	34.55
<b>10 14 53 11-0192 Fiberglass Or Composite Plastic U-Channel Sign Posts (10 14 53 11-0177)</b>		
10 14 53 11-0193 EA 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base.....	52.15	16.26
10 14 53 11-0194 EA 6' Fiberglass Or Composite Plastic U-Channel Sign Post.....	67.50	20.33
10 14 53 11-0195 EA 7' Fiberglass Or Composite Plastic U-Channel Sign Post.....	80.58	24.39
10 14 53 11-0196 EA 8' Fiberglass Or Composite Plastic U-Channel Sign Post.....	94.27	28.45
10 14 53 11-0197 EA 10' Fiberglass Or Composite Plastic U-Channel Sign Post.....	111.87	34.55

<b>10</b>	<b>10</b>	<b>Specialties</b>
	<b>10 10</b>	<b>Information Specialties</b>
	<b>10 14</b>	<b>Signage</b>



		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		10 14 53 11-0198 EA 12' Fiberglass Or Composite Plastic U-Channel Sign Post.....	117.50	34.55
<b>10 14 53 11-0199</b>		<b>Tubular Sign Posts</b> (10 14 53 11-0176) Note: Excludes digging and concrete.		
<b>10 14 53 11-0200</b>		<b>2-3/8" Diameter, Galvanized Steel Tubular Sign Post</b> (10 14 53 11-0199)		
		10 14 53 11-0201 EA 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	77.13	20.33
		10 14 53 11-0202 EA 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	91.55	24.39
		10 14 53 11-0203 EA 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	108.10	28.45
		10 14 53 11-0204 EA 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	139.10	34.55
		10 14 53 11-0205 EA 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	150.69	34.55
<b>10 14 53 11-0206</b>		<b>Square Sign Posts</b> (10 14 53 11-0176) Note: Excludes digging and concrete.		
<b>10 14 53 11-0207</b>		<b>Galvanized Steel Square Sign Posts</b> (10 14 53 11-0206)		
		10 14 53 11-0208 EA 3' To 4' Galvanized Steel Square Sign Post Base .....	58.35	16.26
		10 14 53 11-0209 EA 6' Galvanized Steel Square Sign Post .....	92.43	20.33
		10 14 53 11-0210 EA 7' Galvanized Steel Square Sign Post .....	108.44	24.39
		10 14 53 11-0211 EA 8' Galvanized Steel Square Sign Post .....	126.47	28.45
		10 14 53 11-0212 EA 10' Galvanized Steel Square Sign Post .....	154.43	34.55
		10 14 53 11-0213 EA 12' Galvanized Steel Square Sign Post .....	162.52	34.55
<b>10 14 53 11-0214</b>		<b>Standard Driven Street Sign Posts, Square</b> (10 14 53 11-0176)		
		10 14 53 11-0215 EA 12' x 2" Square 12 Gauge Galvanized Steel Sign Post With 1'-6" x 2-1/2" Square Sleeve And 2'-6" x 2-1/4" Square Anchor Driven Into Earth.....	193.48	34.55
<b>10 14 53 11-0216</b>		<b>Sign Post Accessories</b> (10 14 53 11-0001)		
<b>10 14 53 11-0217</b>		<b>Sign Post Brackets</b> (10 14 53 11-0216)		
		10 14 53 11-0218 EA 2-3/8" Outside Diameter, Single Side Sign Bracket Set.....	38.97	5.95
		Note: Includes 2 single side sign post brackets		
		10 14 53 11-0219 EA 2-3/8" Outside Diameter, Double Side Sign Bracket Set.....	52.37	9.92
		Note: Includes 2 double side sign post brackets		
		10 14 53 11-0220 EA 4" To 12" Diameter, Buckle Bracket Set .....	47.22	7.93
		Note: Includes 2 stainless steel straps, 2 brackets and fastener hardware		
<b>10 14 53 11-0221</b>		<b>Sign Post Caps</b> (10 14 53 11-0216)		
		10 14 53 11-0222 EA 2-3/8" Diameter, Galvanized, Flat Traffic Sign Post Cap (EC-2).....	18.03	3.97
<b>10 14 53 11-0223</b>		<b>Sign Post Replacement Bolts</b> (10 14 53 11-0216)		
		10 14 53 11-0224 EA Signage Fasteners Replacement.....	12.77	
		Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers		
<b>10 14 53 11-0225</b>		<b>Removal Of Signs</b> (10 14 53 11) Note: Includes structural supports.		
		10 14 53 11-0226 EA >4 To 10 SF Sign Area, Sign Removal .....	158.70	
		10 14 53 11-0227 EA >10 To 20 SF Sign Area, Sign Removal .....	380.87	
		10 14 53 11-0228 EA >20 To 40 SF Sign Area, Sign Removal .....	571.30	
		10 14 53 11-0229 EA >40 To 100 SF Sign Area, Sign Removal .....	979.29	
<b>10 14 53 11-0230</b>		<b>Removal And Reinstallation Of Signs</b> (10 14 53 11) Note: Includes structural supports.		
		10 14 53 11-0231 EA >4 To 10 SF Sign Area, Removal And Reinstallation Of Sign.....	241.75	
		10 14 53 11-0232 EA >10 To 20 SF Sign Area, Removal And Reinstallation Of Sign.....	573.95	
		10 14 53 11-0233 EA >20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign.....	859.21	
		10 14 53 11-0234 EA >40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign .....	1,471.02	
		10 14 53 11-0235 EA Removal And Reinstallation Of Street Sign On Post.....	91.25	
		10 14 53 11-0236 EA Removal And Relocation Of Traffic Light.....	335.64	
		Note: Excludes electrical hookup.		
<b>10 14 56</b>		<b>Bridge Signage</b> (10 14)		
<b>10 14 56 00-0001</b>		<b>Bridge And Truss Mounted Signs</b> (10 14 56)		
<b>10 14 56 00-0002</b>		<b>Removal Of Bridge And Truss Mounted Signs</b> (10 14 56 00-0001)		
		10 14 56 00-0003 CF Removal Of Foundation .....	15.92	
		Note: Including Excavation		
		10 14 56 00-0004 LF Removal Of Truss And Supports .....	214.52	
		10 14 56 00-0005 SF Removal Of Sign Face.....	9.80	
		10 14 56 00-0006 SF Removal Of Legend.....	16.34	
		10 14 56 00-0007 EA Removal Of Changeable Message Panel.....	188.59	
		10 14 56 00-0008 EA Removal Of Posts And Supports, Per Post.....	98.06	





<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 56 00-0009	<b>Fabricate And Install Bridge And Truss Mounted Signs</b> <small>(10 14 56 00-0001)</small>	
10 14 56 00-0010	CY	Foundation For Sign Excavation, Backfill, Compaction, Concrete, Rebar, Forms And Finish .....537.79
10 14 56 00-0011	LF	Telescoping Steel Ground Posts .....85.68
10 14 56 00-0012	LF	Overhead Steel Mounting Framework .....1,485.87
10 14 56 00-0013	LB	Ground Mounted Steel Structure .....5.81

10 14 56 00-0014	<b>Fabricate And Install New 12" Extruded Aluminum Channel</b> <small>(10 14 56 00-0001)</small>	
<small>Note: Includes reflective face with reflective legend.</small>		
10 14 56 00-0015	SF	1 To 49.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....122.00
10 14 56 00-0016	SF	50 To 99.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....108.82
10 14 56 00-0017	SF	100 To 149.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....97.35
10 14 56 00-0018	SF	>150 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....87.48

10 14 56 00-0019	<b>Fabricate And Install New Reflective Messages On Sign Face</b> <small>(10 14 56 00-0001)</small>	
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10 14 56 00-0020	<b>One Color/3 Dimensional Demountable Letters</b> <small>(10 14 56 00-0019)</small>	
10 14 56 00-0021	EA	6" Capital Height Letter.....26.93
10 14 56 00-0022	EA	8" Capital Height Letter.....31.76
10 14 56 00-0023	EA	10" Capital Height Letter.....36.57
10 14 56 00-0024	EA	12" Capital Height Letter.....40.90
10 14 56 00-0025	EA	14" Capital Height Letter.....43.39

10 14 56 00-0026	<b>Two Color Legend Shields-Die Cut Vinyl Engineer Grade</b> <small>(10 14 56 00-0019)</small>	
10 14 56 00-0027	EA	6" Legend/Shields.....27.76
10 14 56 00-0028	EA	8" Legend/Shields.....32.88
10 14 56 00-0029	EA	10" Legend/Shields.....37.96
10 14 56 00-0030	EA	12" Legend/Shields.....42.58
10 14 56 00-0031	EA	14" Legend/Shields.....45.37

10 14 56 00-0032	<b>Fabricate And Install New Changeable Message Panel</b> <small>(10 14 56 00-0001)</small>	
10 14 56 00-0033	SF	One Color Hi-Intensity Die Cut Vinyl Letters on Demountable Panel.....32.16

**10 14 63 Electronic Message Signage** (10 14)

10 14 63 00-0001	<b>Dynamic Signs</b> <small>(10 14 63)</small>	
10 14 63 00-0002	<b>Programming/Software And Repair</b> <small>(10 14 63 00-0001)</small>	
10 14 63 00-0003	HR	Programming Message, Graphic Visuals, Movement Of Message, And Timing Of Visuals On Screen .....152.44
10 14 63 00-0004	HR	Repair/Replacement Of Electronic Sign And Computer Components .....95.27
10 14 63 00-0005	HR	Repair Flip Disks Or Light Source.....95.27

10 14 63 00-0006	<b>Fabricate And Install New Sign Cabinets</b> <small>(10 14 63 00-0001)</small>	
10 14 63 00-0007	<b>Cabinet For Flip Disk Display</b> <small>(10 14 63 00-0006)</small>	
10 14 63 00-0008	SF	1 To 99 SF Cabinet.....173.97
10 14 63 00-0009	SF	100 To 200 SF Cabinet.....142.71

10 14 63 00-0010	<b>Fabricate And Install New Sign Face Components</b> <small>(10 14 63 00-0001)</small>	
10 14 63 00-0011	<b>Enhanced Flip Disk Display</b> <small>(10 14 63 00-0010)</small>	
10 14 63 00-0012	EA	Enhanced Flip Disk.....126.91
10 14 63 00-0013	SF	Lexan Lens For Flip Disk Sign.....50.28

10 14 63 00-0014	<b>Disappearing Copy Sign</b> <small>(10 14 63 00-0010)</small>	
10 14 63 00-0015	SF	1 To 49.9 SF, Disappearing Copy Sign .....42.60
10 14 63 00-0016	SF	=>50 SF, Disappearing Copy Sign .....30.69

10 14 63 00-0017	<b>Fabricate And Install Transfer Lights And Signs</b> <small>(10 14 63 00-0001)</small>	
10 14 63 00-0018	EA	Passenger Transfer Signage.....516.40

**10 20 Interior Specialties** (10)

**10 21 Compartments and Cubicles** (1020)

**10 21 13 Toilet Compartments** (1021)

**10 21 13 13 Metal Toilet Compartments** (1021 13)

<b>10</b>	<b>10</b>	<b>Specialties</b>
	<b>10 20</b>	<b>Interior Specialties</b>
	<b>10 21</b>	<b>Compartments and Cubicles</b>



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
10 21 13 13-0001		<b>Enamel Coated Steel Toilet Partitions And Urinal Screens</b> <small>(10 21 13 13)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.			
10 21 13 13-0002		<b>Enamel Coated Steel Toilet Partitions</b> <small>(10 21 13 13-0001)</small> Note: All colors.			
10 21 13 13-0003		<b>Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions</b> <small>(10 21 13 13-0002)</small>			
10 21 13 13-0004	EA	36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	972.80		122.59
		<i>For &gt;10, Deduct</i>	-72.76		
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91		
10 21 13 13-0005	EA	60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,176.07		133.49
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91		
10 21 13 13-0006	EA	60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,255.96		138.94
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91		
10 21 13 13-0007		<b>Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions</b> <small>(10 21 13 13-0002)</small> Note: Includes headrail.			
10 21 13 13-0008	EA	36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition .....	1,013.46		149.84
		<i>For &gt;10, Deduct</i>	-71.38		
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91		
10 21 13 13-0009	EA	60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,176.98		160.73
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91		
10 21 13 13-0010	EA	60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,244.06		166.18
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91		
10 21 13 13-0011		<b>Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions</b> <small>(10 21 13 13-0002)</small> Note: Excludes above ceiling steel.			
10 21 13 13-0012	EA	36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition .....	1,196.17		177.08
		<i>For &gt;10, Deduct</i>	-84.20		
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91		
10 21 13 13-0013	EA	60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,394.06		187.98
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91		
10 21 13 13-0014	EA	60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,464.13		193.42
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91		
10 21 13 13-0015		<b>Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions</b> <small>(10 21 13 13-0002)</small> Note: Excludes above ceiling steel.			
10 21 13 13-0016	EA	36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	1,157.00		204.32
		<i>For &gt;10, Deduct</i>	-74.84		
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91		
10 21 13 13-0017	EA	60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,387.93		215.22
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91		
10 21 13 13-0018	EA	60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,465.81		220.67
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91		
10 21 13 13-0019		<b>Enamel Coated Steel Urinal Screens</b> <small>(10 21 13 13-0001)</small> Note: All colors.			
10 21 13 13-0020		<b>Floor Anchored, Enamel Coated Steel, Urinal Screens</b> <small>(10 21 13 13-0019)</small>			
10 21 13 13-0021	EA	24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	515.43		76.25
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38		
10 21 13 13-0022	EA	36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	571.27		81.69
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38		
10 21 13 13-0023	EA	48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	628.82		87.14
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38		
10 21 13 13-0024		<b>Wall Hung, Enamel Coated Steel, Urinal Screens</b> <small>(10 21 13 13-0019)</small>			
10 21 13 13-0025	EA	18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen.....	293.17		65.35
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38		
10 21 13 13-0026	EA	24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen.....	316.17		70.80
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38		
10 21 13 13-0027	EA	30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen.....	333.96		76.25
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38		



<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Compartments and Cubicles</b>	<b>10 21</b>

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 21 13 13-0028</b> <b>Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens</b> <small>(1021 13 13-0019)</small>		
10 21 13 13-0029    EA    18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen.....	378.32	70.80
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
<b>10 21 13 13-0030</b> <b>Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens</b> <small>(1021 13 13-0019)</small>		
10 21 13 13-0031    EA    18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen.....	423.32	70.80
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0032    EA    24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen.....	451.50	76.25
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0033    EA    30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen.....	479.67	81.69
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
<b>10 21 13 13-0034</b> <b>Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens</b> <small>(1021 13 13-0019)</small>		
10 21 13 13-0035    EA    22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen .....	477.41	76.25
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0036    EA    34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen .....	512.51	81.69
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0037    EA    46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen .....	566.61	87.14
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
<b>10 21 13 13-0038</b> <b>Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters</b> <small>(1021 13 13-0001)</small>		
Note: All colors.		
<b>10 21 13 13-0039</b> <b>Enamel Coated Steel, Toilet Partition Doors</b> <small>(1021 13 13-0038)</small>		
10 21 13 13-0040    EA    24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door .....	306.29	21.79
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	97.16	
10 21 13 13-0041    EA    26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door .....	313.20	21.79
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	97.16	
10 21 13 13-0042    EA    30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door .....	332.03	23.43
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	97.16	
10 21 13 13-0043    EA    34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door.....	363.14	23.43
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	97.16	
10 21 13 13-0044    EA    36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door.....	370.05	23.43
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	97.16	
<b>10 21 13 13-0045</b> <b>Enamel Coated Steel, Toilet Partition Panels</b> <small>(1021 13 13-0038)</small>		
10 21 13 13-0046    EA    6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	220.93	32.69
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0047    EA    12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	243.66	35.42
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0048    EA    18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	266.39	38.14
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0049    EA    24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	289.13	40.87
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0050    EA    30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	311.86	43.59
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0051    EA    36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	334.58	46.32
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0052    EA    42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	355.59	49.04
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0053    EA    48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	378.32	51.77
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0054    EA    55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	394.14	54.48
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0055    EA    58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	403.23	55.57
<i>For Panel Reinforced At ADA Grab Bar, Add</i>	42.00	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0056    EA    60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	415.14	57.21
<i>For Panel Reinforced At ADA Grab Bar, Add</i>	42.00	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0057    EA    70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	453.43	59.93
<i>For Panel Reinforced At ADA Grab Bar, Add</i>	42.00	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0058    EA    78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	486.53	62.66
<i>For Panel Reinforced At ADA Grab Bar, Add</i>	42.00	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
<b>10 21 13 13-0059</b> <b>70" Long, Enamel Coated Steel, Toilet Partition Pilasters</b> <small>(1021 13 13-0038)</small>		
10 21 13 13-0060    EA    Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster .....	167.50	16.35
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0061    EA    5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	185.05	19.07
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0062    EA    6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	204.32	21.79
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0063    EA    8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster .....	237.42	24.52
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0064	EA		10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	268.79	27.24
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0065	EA		12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	300.16	29.97
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0066	EA		18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	386.84	32.69
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0067	EA		22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	444.14	35.42
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0068	EA		24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	477.25	38.14
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
<b>10 21 13 13-0069</b>			<b>82" Long, Enamel Coated Steel, Toilet Partition Pilasters</b> <small>(10 21 13 13-0038)</small>		
10 21 13 13-0070	EA		Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	134.66	16.35
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0071	EA		5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	147.02	19.07
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0072	EA		6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	161.11	21.79
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0073	EA		8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	182.12	24.52
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0074	EA		10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	201.39	27.24
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0075	EA		12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	222.39	29.97
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0076	EA		18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	274.50	32.69
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0077	EA		22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	309.34	35.42
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0078	EA		24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	330.34	38.14
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
<b>10 21 13 13-0079</b>			<b>96" To 120" Long, Enamel Coated Steel, Partition Pilasters</b> <small>(10 21 13 13-0038)</small>		
10 21 13 13-0080	EA		Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	187.04	21.79
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0081	EA		5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	204.59	24.52
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0082	EA		6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	223.85	27.24
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0083	EA		8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	256.96	29.97
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0084	EA		10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	288.33	32.69
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0085	EA		12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	319.71	35.42
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0086	EA		18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	406.39	38.14
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0087	EA		22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	463.68	40.87
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 13-0088	EA		24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	496.79	43.59
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
<b>10 21 13 14</b>			<b>Stainless-Steel Toilet Compartments</b> <small>(10 21 13)</small>		
<b>10 21 13 14-0001</b>			<b>Stainless Steel Toilet Partitions And Urinal Screens</b> <small>(10 21 13 14)</small>		
			Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.		
<b>10 21 13 14-0002</b>			<b>Stainless Steel Toilet Partitions</b> <small>(10 21 13 14-0001)</small>		
<b>10 21 13 14-0003</b>			<b>Floor Anchored, Stainless Steel, Complete Toilet Partitions</b> <small>(10 21 13 14-0002)</small>		
10 21 13 14-0004	EA		36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition.....	1,540.43	122.59
			<i>For &gt;10, Deduct</i>	-129.52	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
			<i>For Diamond Pattern Finish, Add</i>	453.33	
10 21 13 14-0005	EA		60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,849.48	133.49
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
			<i>For Diamond Pattern Finish, Add</i>	553.88	
10 21 13 14-0006	EA		60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,936.50	138.94
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
			<i>For Diamond Pattern Finish, Add</i>	580.52	
<b>10 21 13 14-0007</b>			<b>Overhead Braced, Stainless Steel, Complete Toilet Partitions</b> <small>(10 21 13 14-0002)</small>		
			Note: Includes headrail.		



<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Compartments and Cubicles</b>	<b>10 21</b>

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 14-0008	EA	36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,337.55 -103.79 217.91 363.26	149.84
10 21	13 14-0009	EA	60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,612.45 217.91 451.84	160.73
10 21	13 14-0010	EA	60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,750.60 217.91 496.38	166.18
10 21	13 14-0011		<b>Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions</b> <small>(10 21 13 14-0002)</small> <i>Note: Excludes above ceiling steel.</i>		
10 21	13 14-0012	EA	36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,830.66 -147.65 217.91 516.78	177.08
10 21	13 14-0013	EA	60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,962.04 217.91 555.13	187.98
10 21	13 14-0014	EA	60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,051.50 217.91 582.62	193.42
10 21	13 14-0015		<b>Ceiling Hung, Stainless Steel, Complete Toilet Partitions</b> <small>(10 21 13 14-0002)</small> <i>Note: Excludes above ceiling steel.</i>		
10 21	13 14-0016	EA	36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,852.15 -144.35 217.91 505.23	204.32
10 21	13 14-0017	EA	60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,230.19 217.91 629.91	215.22
10 21	13 14-0018	EA	60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,341.01 217.91 664.88	220.67
10 21	13 14-0019		<b>Stainless Steel Urinal Screens</b> <small>(10 21 13 14-0001)</small>		
10 21	13 14-0020		<b>Floor Anchored, Stainless Steel, Urinal Screens</b> <small>(10 21 13 14-0019)</small>		
10 21	13 14-0021	EA	24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	534.34 60.38 133.65	76.25
10 21	13 14-0022	EA	36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	601.51 60.38 153.34	81.69
10 21	13 14-0023	EA	48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	617.01 60.38 154.96	87.14
10 21	13 14-0024		<b>Wall Hung, Stainless Steel, Urinal Screens</b> <small>(10 21 13 14-0019)</small>		
10 21	13 14-0025	EA	18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	401.61 60.38 94.82	65.35
10 21	13 14-0026	EA	24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	434.63 60.38 102.56	70.80
10 21	13 14-0027	EA	30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	473.73 60.38 112.43	76.25
10 21	13 14-0028		<b>Wall Hung And Post Supported, Stainless Steel, Urinal Screens</b> <small>(10 21 13 14-0019)</small>		
10 21	13 14-0029	EA	18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	626.42 60.38 169.68	70.80
10 21	13 14-0030	EA	24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	658.03 60.38 176.94	76.25
10 21	13 14-0031	EA	30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	689.52 60.38 184.15	81.69
10 21	13 14-0032		<b>Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens</b> <small>(10 21 13 14-0019)</small>		

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0033	EA		22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	534.34 60.38 133.65	76.25
10 21 13 14-0034	EA		34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	601.51 60.38 153.34	81.69
10 21 13 14-0035	EA		46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	671.32 60.38 173.96	87.14
<b>10 21 13 14-0036</b>			<b>Stainless Steel Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 14-0001)</small>		
<b>10 21 13 14-0037</b>			<b>Stainless Steel, Toilet Partition Doors</b> <small>(10 21 13 14-0036)</small>		
10 21 13 14-0038	EA		24" x 58" x 1", Stainless Steel, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	332.44 97.16 101.10	21.79
10 21 13 14-0039	EA		26" x 58" x 1", Stainless Steel, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	378.07 97.16 117.07	21.79
10 21 13 14-0040	EA		30" x 58" x 1", Stainless Steel, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	389.84 97.16 119.28	24.52
10 21 13 14-0041	EA		34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	403.01 97.16 123.89	24.52
10 21 13 14-0042	EA		36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	406.67 97.16 125.17	24.52
<b>10 21 13 14-0043</b>			<b>Stainless Steel, Toilet Partition Panels</b> <small>(10 21 13 14-0036)</small>		
10 21 13 14-0044	EA		6" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	297.16 60.38 81.12	32.69
10 21 13 14-0045	EA		12" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	329.38 60.38 90.49	35.42
10 21 13 14-0046	EA		18" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	344.09 60.38 93.73	38.14
10 21 13 14-0047	EA		24" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	360.55 60.38 97.59	40.87
10 21 13 14-0048	EA		30" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	386.79 60.38 104.86	43.59
10 21 13 14-0049	EA		36" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	416.99 60.38 113.53	46.32
10 21 13 14-0050	EA		42" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	484.17 60.38 135.14	49.04
10 21 13 14-0051	EA		48" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	528.74 60.38 148.83	51.77
10 21 13 14-0052	EA		55" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	543.46 60.38 152.07	54.48
10 21 13 14-0053	EA		58" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	569.32 60.38 160.36	55.57
10 21 13 14-0054	EA		60" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	603.48 60.38 171.17	57.21
10 21 13 14-0055	EA		70" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	632.32 60.38 179.35	59.93
10 21 13 14-0056	EA		78" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	691.60 60.38 198.20	62.66
<b>10 21 13 14-0057</b>			<b>70" Long, Stainless Steel, Toilet Partition Pilasters</b> <small>(10 21 13 14-0036)</small>		
10 21 13 14-0058	EA		Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	201.54 60.38 59.10	16.35
10 21 13 14-0059	EA		5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	220.38 60.38 63.78	19.07
10 21 13 14-0060	EA		6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	240.24 60.38 68.83	21.79



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0061	EA		8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	273.49 60.38 78.56	24.52
10 21 13 14-0062	EA		10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	306.73 60.38 88.29	27.24
10 21 13 14-0063	EA		12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	339.98 60.38 98.02	29.97
10 21 13 14-0064	EA		18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	427.80 60.38 126.85	32.69
10 21 13 14-0065	EA		22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	488.85 60.38 146.31	35.42
10 21 13 14-0066	EA		24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	522.10 60.38 156.04	38.14
<b>10 21 13 14-0067</b>			<b>82" Long, Stainless Steel, Toilet Partition Pilasters</b> (10 21 13 14-0036)		
10 21 13 14-0068	EA		Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	156.80 60.38 43.44	16.35
10 21 13 14-0069	EA		5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	170.74 60.38 46.41	19.07
10 21 13 14-0070	EA		6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	185.12 60.38 49.54	21.79
10 21 13 14-0071	EA		8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	237.67 60.38 66.02	24.52
10 21 13 14-0072	EA		10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	267.94 60.38 74.71	27.24
10 21 13 14-0073	EA		12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	278.53 60.38 76.51	29.97
10 21 13 14-0074	EA		18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	314.72 60.38 87.27	32.69
10 21 13 14-0075	EA		22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	353.97 60.38 99.10	35.42
10 21 13 14-0076	EA		24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	376.18 60.38 104.97	38.14
<b>10 21 13 14-0077</b>			<b>96" To 120" Long, Stainless Steel, Toilet Partition Pilasters</b> (10 21 13 14-0036)		
10 21 13 14-0078	EA		Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	223.77 60.38 63.06	21.79
10 21 13 14-0079	EA		5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	245.69 60.38 68.83	24.52
10 21 13 14-0080	EA		6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	266.58 60.38 74.24	27.24
10 21 13 14-0081	EA		8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	304.97 60.38 85.76	29.97
10 21 13 14-0082	EA		10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	342.34 60.38 96.94	32.69
10 21 13 14-0083	EA		12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	379.71 60.38 108.11	35.42
10 21 13 14-0084	EA		18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	482.97 60.38 142.34	38.14
10 21 13 14-0085	EA		22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	552.26 60.38 164.69	40.87
10 21 13 14-0086	EA		24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	590.65 60.38 176.21	43.59

**10 21 13 16 Plastic-Laminate-Clad Toilet Compartments** (10 21 13)

<b>10</b>	<b>10</b>	<b>Specialties</b>
	<b>10 20</b>	<b>Interior Specialties</b>
	<b>10 21</b>	<b>Compartments and Cubicles</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 21 13 16-0001</b> <b>Laminated Plastic Toilet Partitions And Urinal Screens</b> <small>(10 21 13 16)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high pressure decorative plastic laminate bonded to a solid industrial-grade particle board.		
<b>10 21 13 16-0002</b> <b>Laminated Plastic Toilet Partitions</b> <small>(10 21 13 16-0001)</small> Note: Includes all standard Bobrick colors.		
<b>10 21 13 16-0003</b> <b>Floor Anchored, Laminated Plastic, Complete Toilet Partitions</b> <small>(10 21 13 16-0002)</small>		
10 21 13 16-0004    EA    36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition .....	1,307.67	122.59
<i>For &gt;10, Deduct</i>	-106.25	
<i>For Cast Stainless Steel Hardware, Add</i>	175.05	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
10 21 13 16-0005    EA    60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,601.49	133.49
<i>For Cast Stainless Steel Hardware, Add</i>	175.07	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
10 21 13 16-0006    EA    60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,724.12	138.94
<i>For Cast Stainless Steel Hardware, Add</i>	175.08	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
<b>10 21 13 16-0007</b> <b>Overhead Braced, Laminated Plastic, Complete Toilet Partitions</b> <small>(10 21 13 16-0002)</small> Note: Includes headrail.		
10 21 13 16-0008    EA    36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition .....	1,414.03	149.84
<i>For &gt;10, Deduct</i>	-111.44	
<i>For Cast Stainless Steel Hardware, Add</i>	175.09	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
10 21 13 16-0009    EA    60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,720.82	160.73
<i>For Cast Stainless Steel Hardware, Add</i>	175.11	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
10 21 13 16-0010    EA    60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,853.15	166.18
<i>For Cast Stainless Steel Hardware, Add</i>	175.11	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
<b>10 21 13 16-0011</b> <b>Ceiling Hung, Laminated Plastic, Complete Toilet Partitions</b> <small>(10 21 13 16-0002)</small> Note: Excludes above ceiling steel.		
10 21 13 16-0012    EA    36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition .....	1,890.27	204.32
<i>For &gt;10, Deduct</i>	-148.16	
<i>For Cast Stainless Steel Hardware, Add</i>	175.17	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
10 21 13 16-0013    EA    60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	2,207.03	215.22
<i>For Cast Stainless Steel Hardware, Add</i>	175.18	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
10 21 13 16-0014    EA    60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	2,329.65	220.67
<i>For Cast Stainless Steel Hardware, Add</i>	175.19	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
<b>10 21 13 16-0015</b> <b>Laminated Plastic Urinal Screens</b> <small>(10 21 13 16-0001)</small> Note: Includes all standard Bobrick colors.		
<b>10 21 13 16-0016</b> <b>Floor Anchored, Laminated Plastic, Urinal Screens</b> <small>(10 21 13 16-0015)</small>		
10 21 13 16-0017    EA    24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen .....	548.75	76.25
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 16-0018    EA    36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen .....	598.51	81.69
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 16-0019    EA    48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen .....	617.04	87.14
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
<b>10 21 13 16-0020</b> <b>Wall Hung, Laminated Plastic, Urinal Screens</b> <small>(10 21 13 16-0015)</small>		
10 21 13 16-0021    EA    18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen .....	425.65	65.35
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 16-0022    EA    24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen .....	447.65	70.80
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 16-0023    EA    30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen .....	468.64	76.25
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
<b>10 21 13 16-0024</b> <b>Wall Hung And Post Supported, Laminated Plastic, Urinal Screens</b> <small>(10 21 13 16-0015)</small>		
10 21 13 16-0025    EA    18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen .....	566.46	70.80
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 16-0026    EA    24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen .....	621.67	76.25
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	





<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Compartments and Cubicles</b>	<b>10 21</b>

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0027 EA 30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	681.54 60.38	81.69
<b>10 21 13 16-0028 Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens</b> (10 21 13 16-0015)		
10 21 13 16-0029 EA 24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	522.35 60.38	70.80
10 21 13 16-0030 EA 36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	573.22 60.38	76.25
10 21 13 16-0031 EA 48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	591.10 60.38	81.69
<b>10 21 13 16-0032 Laminated Plastic Toilet Partition Doors, Panels And Pilasters</b> (10 21 13 16-0001) Note: Includes all standard Bobrick colors.		
<b>10 21 13 16-0033 Laminated Plastic, Toilet Partition Doors</b> (10 21 13 16-0032)		
10 21 13 16-0034 EA 24" x 58" x 1", Laminated Plastic, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	436.38 97.16	21.79
10 21 13 16-0035 EA 26" x 58" x 1", Laminated Plastic, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	474.55 97.16	21.79
10 21 13 16-0036 EA 30" x 58" x 1", Laminated Plastic, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	490.41 97.16	24.52
10 21 13 16-0037 EA 34" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	502.21 97.16	24.52
10 21 13 16-0038 EA 36" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	513.31 97.16	24.52
<b>10 21 13 16-0039 Laminated Plastic, Toilet Partition Panels</b> (10 21 13 16-0032)		
10 21 13 16-0040 EA 6" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	220.08 60.38	32.69
10 21 13 16-0041 EA 12" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	243.52 60.38	35.42
10 21 13 16-0042 EA 18" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	266.96 60.38	38.14
10 21 13 16-0043 EA 24" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	291.31 60.38	40.87
10 21 13 16-0044 EA 30" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	313.83 60.38	43.59
10 21 13 16-0045 EA 36" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	338.29 60.38	46.32
10 21 13 16-0046 EA 42" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	345.85 60.38	49.04
10 21 13 16-0047 EA 48" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	354.74 60.38	51.77
10 21 13 16-0048 EA 55" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	373.40 60.38	54.48
10 21 13 16-0049 EA 58" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	389.07 60.38	55.57
10 21 13 16-0050 EA 60" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	406.58 60.38	57.21
10 21 13 16-0051 EA 70" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	464.09 60.38	59.93
10 21 13 16-0052 EA 78" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	529.21 60.38	62.66
<b>10 21 13 16-0053 69" Long, Laminated Plastic, Toilet Partition Pilasters</b> (10 21 13 16-0032)		
10 21 13 16-0054 EA Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	180.51 12.20 60.38 147.82	16.35
10 21 13 16-0055 EA 5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	208.16 14.03 60.38 170.02	19.07
10 21 13 16-0056 EA 6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	213.61 14.03 60.38 170.02	21.79
10 21 13 16-0057 EA 8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	235.72 15.40 60.38 186.68	24.52
10 21 13 16-0058 EA 10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	246.02 15.80 60.38 191.54	27.24
10 21 13 16-0059 EA 12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	267.43 17.12 60.38 207.50	29.97

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0060	EA		18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	340.89	32.69
			<i>For 1-1/4" Pilaster, Add</i>	22.73	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For Steel Core Pilaster, Add</i>	275.51	
10 21 13 16-0061	EA		22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	412.96	35.42
			<i>For 1-1/4" Pilaster, Add</i>	28.23	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For Steel Core Pilaster, Add</i>	342.13	
10 21 13 16-0062	EA		24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	463.52	38.14
			<i>For 1-1/4" Pilaster, Add</i>	31.95	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For Steel Core Pilaster, Add</i>	387.24	
<b>10 21 13 16-0063</b>			<b>83" Long, Laminated Plastic, Toilet Partition Pilasters</b> <small>(10 21 13 16-0032)</small>		
10 21 13 16-0064	EA		Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	355.39	16.35
			<i>For 1-1/4" Pilaster, Add</i>	26.62	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For Steel Core Pilaster, Add</i>	322.70	
10 21 13 16-0065	EA		5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	392.76	19.07
			<i>For 1-1/4" Pilaster, Add</i>	29.26	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For Steel Core Pilaster, Add</i>	354.62	
10 21 13 16-0066	EA		6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	398.21	21.79
			<i>For 1-1/4" Pilaster, Add</i>	29.26	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For Steel Core Pilaster, Add</i>	354.62	
10 21 13 16-0067	EA		8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	430.73	24.52
			<i>For 1-1/4" Pilaster, Add</i>	31.49	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For Steel Core Pilaster, Add</i>	381.69	
10 21 13 16-0068	EA		10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	470.17	27.24
			<i>For 1-1/4" Pilaster, Add</i>	34.29	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For Steel Core Pilaster, Add</i>	415.69	
10 21 13 16-0069	EA		12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	501.99	29.97
			<i>For 1-1/4" Pilaster, Add</i>	36.47	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For Steel Core Pilaster, Add</i>	442.06	
10 21 13 16-0070	EA		18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	625.08	32.69
			<i>For 1-1/4" Pilaster, Add</i>	46.18	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For Steel Core Pilaster, Add</i>	559.70	
10 21 13 16-0071	EA		22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	712.06	35.42
			<i>For 1-1/4" Pilaster, Add</i>	52.90	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For Steel Core Pilaster, Add</i>	641.23	
10 21 13 16-0072	EA		24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	730.70	38.14
			<i>For 1-1/4" Pilaster, Add</i>	53.99	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For Steel Core Pilaster, Add</i>	654.42	
<b>10 21 13 19</b>			<b>Plastic Toilet Compartments</b> <small>(10 21 13)</small>		
10 21 13 19-0001			<b>Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens</b> <small>(10 21 13 19)</small>		
			Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0002			<b>Recycled Solid Plastic (HDPE) Toilet Partitions</b> <small>(10 21 13 19-0001)</small>		
			Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0003			<b>Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> <small>(10 21 13 19-0002)</small>		
			Note: Includes headrail.		
10 21 13 19-0004	EA		36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition.....	1,467.49	149.84
			<i>For &gt;10, Deduct</i>	-116.78	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
			<i>For NFPA Class A, Add</i>	724.05	
10 21 13 19-0005	EA		60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,796.85	160.73
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
			<i>For NFPA Class A, Add</i>	914.74	
10 21 13 19-0006	EA		60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,986.26	166.18
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
			<i>For NFPA Class A, Add</i>	1,025.42	
10 21 13 19-0007			<b>Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> <small>(10 21 13 19-0002)</small>		
			Note: Excludes above ceiling steel.		



<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Compartments and Cubicles</b>	<b>10 21</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0008 EA 36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition.....	1,477.74	177.08
For >10, Deduct	-112.36	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	217.91	
For NFPA Class A, Add	696.62	
10 21 13 19-0009 EA 60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,835.66	187.98
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	217.91	
For NFPA Class A, Add	905.02	
10 21 13 19-0010 EA 60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	2,025.09	193.42
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	217.91	
For NFPA Class A, Add	1,015.70	
<b>10 21 13 19-0011 Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> <sup>(10 21 13 19-0002)</sup>		
Note: Excludes above ceiling steel.		
10 21 13 19-0012 EA 36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition.....	1,557.71	204.32
For >10, Deduct	-114.91	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	217.91	
For NFPA Class A, Add	712.42	
10 21 13 19-0013 EA 60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,837.01	215.22
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	217.91	
For NFPA Class A, Add	872.07	
10 21 13 19-0014 EA 60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	2,026.42	220.67
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	217.91	
For NFPA Class A, Add	982.75	
<b>10 21 13 19-0015 Recycled Solid Plastic (HDPE) Urinal Screens</b> <sup>(10 21 13 19-0001)</sup>		
Note: Includes all standard Columbia Partitions colors.		
<b>10 21 13 19-0016 Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens</b> <sup>(10 21 13 19-0015)</sup>		
10 21 13 19-0017 EA 18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen.....	354.43	65.35
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	138.71	
10 21 13 19-0018 EA 24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen.....	374.14	70.80
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	144.17	
<b>10 21 13 19-0019 Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens</b> <sup>(10 21 13 19-0015)</sup>		
10 21 13 19-0020 EA 18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	445.71	70.80
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	188.54	
10 21 13 19-0021 EA 24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	557.94	76.25
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	251.37	
10 21 13 19-0022 EA 30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	618.75	81.69
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	282.32	
<b>10 21 13 19-0023 Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens</b> <sup>(10 21 13 19-0015)</sup>		
10 21 13 19-0024 EA 24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	456.60	76.25
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	188.54	
10 21 13 19-0025 EA 36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	568.83	81.69
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	251.37	
10 21 13 19-0026 EA 48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	671.04	87.14
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	307.99	
<b>10 21 13 19-0027 Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters</b> <sup>(10 21 13 19-0001)</sup>		
Note: Includes all standard Columbia Partitions colors.		
<b>10 21 13 19-0028 Recycled Solid Plastic (HDPE), Toilet Partition Doors</b> <sup>(10 21 13 19-0027)</sup>		
10 21 13 19-0029 EA 24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door .....	344.18	21.79
For Heavy Gauge Full-Height SS Hinge, Add	97.16	
For NFPA Class A, Add	186.37	
10 21 13 19-0030 EA 26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door .....	371.53	21.79
For Heavy Gauge Full-Height SS Hinge, Add	97.16	
For NFPA Class A, Add	203.32	
10 21 13 19-0031 EA 30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door .....	404.14	24.52
For Heavy Gauge Full-Height SS Hinge, Add	97.16	
For NFPA Class A, Add	220.16	

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0032	EA		34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	459.50 97.16 254.49	24.52
10 21 13 19-0033	EA		36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	472.60 97.16 262.61	24.52
<b>10 21 13 19-0034</b>			<b>Recycled Solid Plastic (HDPE), Toilet Partition Panels</b> <small>(10 21 13 19-0027)</small>		
10 21 13 19-0035	EA		6" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	132.01 60.38 41.31	32.69
10 21 13 19-0036	EA		12" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	204.08 60.38 82.62	35.42
10 21 13 19-0037	EA		18" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	276.14 60.38 123.91	38.14
10 21 13 19-0038	EA		24" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	320.89 60.38 148.28	40.87
10 21 13 19-0039	EA		30" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	386.14 60.38 185.36	43.59
10 21 13 19-0040	EA		36" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	412.49 60.38 198.32	46.32
10 21 13 19-0041	EA		42" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	461.87 60.38 225.56	49.04
10 21 13 19-0042	EA		48" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	519.29 60.38 257.78	51.77
10 21 13 19-0043	EA		55" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	566.35 60.38 283.58	54.48
10 21 13 19-0044	EA		58" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	578.61 60.38 289.83	55.57
10 21 13 19-0045	EA		60" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	598.00 60.38 299.82	57.21
10 21 13 19-0046	EA		70" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	674.00 60.38 343.55	59.93
10 21 13 19-0047	EA		78" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	725.63 60.38 372.19	62.66
<b>10 21 13 19-0048</b>			<b>82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> <small>(10 21 13 19-0027)</small>		
10 21 13 19-0049	EA		Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	161.03 60.38 79.57	16.35
10 21 13 19-0050	EA		5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	179.35 60.38 87.55	19.07
10 21 13 19-0051	EA		6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	195.41 60.38 94.13	21.79
10 21 13 19-0052	EA		8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	210.35 60.38 100.01	24.52
10 21 13 19-0053	EA		10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	236.06 60.38 112.58	27.24
10 21 13 19-0054	EA		12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	261.76 60.38 125.13	29.97
10 21 13 19-0055	EA		18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	356.10 60.38 180.25	32.69
10 21 13 19-0056	EA		22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	401.98 60.38 205.31	35.42
10 21 13 19-0057	EA		24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	437.53 60.38 223.98	38.14
<b>10 21 13 19-0058</b>			<b>96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> <small>(10 21 13 19-0027)</small>		
10 21 13 19-0059	EA		Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	197.31 60.38 95.31	21.79



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0060	EA		5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	217.39 60.38 104.38	24.52
10 21 13 19-0061	EA		6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	239.52 60.38 114.72	27.24
10 21 13 19-0062	EA		8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	271.06 60.38 130.90	29.97
10 21 13 19-0063	EA		10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	302.88 60.38 147.25	32.69
10 21 13 19-0064	EA		12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	334.41 60.38 163.42	35.42
10 21 13 19-0065	EA		18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	425.84 60.38 216.73	38.14
10 21 13 19-0066	EA		22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	475.79 60.38 244.32	40.87
10 21 13 19-0067	EA		24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	517.06 60.38 266.53	43.59
10 21 13 19-0068			<b>Antimicrobial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens</b> <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0069			<b>Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partitions</b> <small>(10 21 13 19-0069)</small> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0070			<b>Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> <small>(10 21 13 19-0069)</small> Note: Includes headrail.		
10 21 13 19-0071	EA		36" x 60", Overhead Braced, Antimicrobial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete Toilet Partition..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,876.22 -157.66 217.91 977.46	149.84
10 21 13 19-0072	EA		60" x 60", Overhead Braced, Antimicrobial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,313.25 217.91 1,234.90	160.73
10 21 13 19-0073	EA		60" x 78", Overhead Braced, Antimicrobial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,565.13 217.91 1,384.32	166.18
10 21 13 19-0074			<b>Floor And Ceiling Anchored, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> <small>(10 21 13 19-0069)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0075	EA		36" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,870.99 -151.68 217.91 940.43	177.08
10 21 13 19-0076	EA		60" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,346.55 217.91 1,221.77	187.98
10 21 13 19-0077	EA		60" x 78", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,598.46 217.91 1,371.19	193.42
10 21 13 19-0078			<b>Ceiling Hung, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> <small>(10 21 13 19-0069)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0079	EA		36" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,959.89 -155.12 217.91 961.77	204.32

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0080	EA		60" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,329.30	215.22
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
			<i>For NFPA Class A, Add</i>	1,177.29	
10 21 13 19-0081	EA		60" x 78", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,581.19	220.67
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
			<i>For NFPA Class A, Add</i>	1,326.71	
<b>10 21 13 19-0082</b>			<b>Antimicrobial Recycled Solid Plastic (HDPE) Urinal Screens</b> <small>(10 21 13 19-0068)</small>		
			Note: Includes all standard Columbia Partitions colors.		
<b>10 21 13 19-0083</b>			<b>Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens</b> <small>(10 21 13 19-0082)</small>		
10 21 13 19-0084	EA		18" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	432.73	65.35
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For NFPA Class A, Add</i>	187.25	
10 21 13 19-0085	EA		24" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	452.65	70.80
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For NFPA Class A, Add</i>	192.84	
<b>10 21 13 19-0086</b>			<b>Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens</b> <small>(10 21 13 19-0082)</small>		
10 21 13 19-0087	EA		18" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	688.96	70.80
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For NFPA Class A, Add</i>	339.36	
10 21 13 19-0088	EA		24" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	782.17	76.25
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For NFPA Class A, Add</i>	390.40	
10 21 13 19-0089	EA		30" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	834.01	81.69
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For NFPA Class A, Add</i>	415.78	
<b>10 21 13 19-0090</b>			<b>Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens</b> <small>(10 21 13 19-0068)</small>		
10 21 13 19-0091	EA		24" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen .....	563.01	76.25
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For NFPA Class A, Add</i>	254.52	
10 21 13 19-0092	EA		36" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen .....	710.74	81.69
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For NFPA Class A, Add</i>	339.36	
10 21 13 19-0093	EA		48" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen .....	844.91	87.14
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For NFPA Class A, Add</i>	415.78	
<b>10 21 13 19-0094</b>			<b>Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 19-0068)</small>		
			Note: Includes all standard Columbia Partitions colors.		
<b>10 21 13 19-0095</b>			<b>Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Doors</b> <small>(10 21 13 19-0094)</small>		
10 21 13 19-0096	EA		24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door .....	449.38	21.79
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	97.16	
			<i>For NFPA Class A, Add</i>	251.59	
10 21 13 19-0097	EA		26" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door .....	486.33	21.79
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	97.16	
			<i>For NFPA Class A, Add</i>	274.50	
10 21 13 19-0098	EA		30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door .....	528.42	24.52
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	97.16	
			<i>For NFPA Class A, Add</i>	297.22	
10 21 13 19-0099	EA		34" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door.....	603.16	24.52
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	97.16	
			<i>For NFPA Class A, Add</i>	343.55	
10 21 13 19-0100	EA		36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door.....	620.84	24.52
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	97.16	
			<i>For NFPA Class A, Add</i>	354.52	
<b>10 21 13 19-0101</b>			<b>Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panels</b> <small>(10 21 13 19-0094)</small>		
10 21 13 19-0102	EA		6" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	155.32	32.69
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For NFPA Class A, Add</i>	55.76	
10 21 13 19-0103	EA		12" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	250.72	35.42
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For NFPA Class A, Add</i>	111.53	
10 21 13 19-0104	EA		18" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	346.10	38.14
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
			<i>For NFPA Class A, Add</i>	167.29	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0105 EA 24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	404.59 60.38 200.17	40.87
10 21 13 19-0106 EA 30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	490.76 60.38 250.22	43.59
10 21 13 19-0107 EA 36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	524.44 60.38 267.73	46.32
10 21 13 19-0108 EA 42" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	589.20 60.38 304.50	49.04
10 21 13 19-0109 EA 48" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	664.82 60.38 348.01	51.77
10 21 13 19-0110 EA 55" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	726.44 60.38 382.83	54.48
10 21 13 19-0111 EA 58" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	742.22 60.38 391.26	55.57
10 21 13 19-0112 EA 60" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	767.24 60.38 404.75	57.21
10 21 13 19-0113 EA 70" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	867.96 60.38 463.81	59.93
10 21 13 19-0114 EA 78" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	935.73 60.38 502.45	62.66
<b>10 21 13 19-0115 82" Long, Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> <small>(10 21 13 19-0094)</small>		
10 21 13 19-0116 EA Up To 4" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	205.95 60.38 107.42	16.35
10 21 13 19-0117 EA 5" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	228.77 60.38 118.19	19.07
10 21 13 19-0118 EA 6" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	248.55 60.38 127.08	21.79
10 21 13 19-0119 EA 8" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	286.61 60.38 147.29	24.52
10 21 13 19-0120 EA 10" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	321.91 60.38 165.81	27.24
10 21 13 19-0121 EA 12" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	357.17 60.38 184.29	29.97
10 21 13 19-0122 EA 18" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	457.85 60.38 243.33	32.69
10 21 13 19-0123 EA 22" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	517.88 60.38 277.17	35.42
10 21 13 19-0124 EA 24" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	563.96 60.38 302.36	38.14
<b>10 21 13 19-0125 96" To 120", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> <small>(10 21 13 19-0094)</small>		
10 21 13 19-0126 EA Up To 4" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	251.11 60.38 128.66	21.79
10 21 13 19-0127 EA 5" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	276.32 60.38 140.91	24.52
10 21 13 19-0128 EA 6" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	304.30 60.38 154.89	27.24
10 21 13 19-0129 EA 8" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	344.96 60.38 176.72	29.97
10 21 13 19-0130 EA 10" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	386.01 60.38 198.79	32.69
10 21 13 19-0131 EA 12" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	426.66 60.38 220.61	35.42

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0132	EA		18" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	548.20 60.38 292.59	38.14
10 21 13 19-0133	EA		22" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	613.71 60.38 329.83	40.87
10 21 13 19-0134	EA		24 x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	667.51 60.38 359.80	43.59
<b>10 21 13 19-0135</b>			<b>Solid Phenolic Toilet Partitions And Urinal Screens</b> <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.		
<b>10 21 13 19-0136</b>			<b>Solid Phenolic Toilet Partitions</b> <small>(10 21 13 19-0135)</small> Note: Includes all standard Bobrick colors.		
<b>10 21 13 19-0137</b>			<b>Floor Anchored, Solid Phenolic, Complete Toilet Partitions</b> <small>(10 21 13 19-0136)</small>		
10 21 13 19-0138	EA		36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,993.31 -174.81 217.91 379.36	122.59
10 21 13 19-0139	EA		60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,450.92 217.91 471.98	133.49
10 21 13 19-0140	EA		60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,738.02 217.91 530.52	138.94
<b>10 21 13 19-0141</b>			<b>Overhead Braced, Solid Phenolic, Complete Toilet Partitions</b> <small>(10 21 13 19-0136)</small> Note: Includes headrail.		
10 21 13 19-0142	EA		36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,211.21 -191.15 217.91 416.41	149.84
10 21 13 19-0143	EA		60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,687.06 217.91 512.85	160.73
10 21 13 19-0144	EA		60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,988.06 217.91 574.32	166.18
<b>10 21 13 19-0145</b>			<b>Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions</b> <small>(10 21 13 19-0136)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0146	EA		36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,280.63 -192.65 217.91 422.27	177.08
10 21 13 19-0147	EA		60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,753.09 217.91 518.00	187.98
10 21 13 19-0148	EA		60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,040.20 217.91 576.54	193.42
<b>10 21 13 19-0149</b>			<b>Ceiling Hung, Solid Phenolic, Complete Toilet Partitions</b> <small>(10 21 13 19-0136)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0150	EA		36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,245.96 -183.73 217.91 406.27	204.32
10 21 13 19-0151	EA		60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,703.25 217.91 498.81	215.22
10 21 13 19-0152	EA		60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,990.34 217.91 557.36	220.67
<b>10 21 13 19-0153</b>			<b>Solid Phenolic Urinal Screens</b> <small>(10 21 13 19-0135)</small> Note: Includes all standard Bobrick colors.		





<b>Specialties</b>	<b>10</b>
Interior Specialties	10 20
Compartments and Cubicles	10 21

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 21 13 19-0154</b> Floor Anchored, Solid Phenolic, Urinal Screens <small>(10 21 13 19-0153)</small>		
10 21 13 19-0155 EA 24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....	722.25	76.25
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	127.27	
10 21 13 19-0156 EA 36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....	817.11	81.69
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	145.45	
10 21 13 19-0157 EA 48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....	981.38	87.14
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	178.20	
<b>10 21 13 19-0158</b> Wall Hung, Solid Phenolic, Urinal Screens <small>(10 21 13 19-0153)</small>		
10 21 13 19-0159 EA 18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen.....	459.66	65.35
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	75.61	
10 21 13 19-0160 EA 24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen.....	533.01	70.80
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	89.27	
10 21 13 19-0161 EA 30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen.....	641.84	76.25
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	110.39	
<b>10 21 13 19-0162</b> Wall Hung And Post Supported, Solid Phenolic, Urinal Screens <small>(10 21 13 19-0153)</small>		
10 21 13 19-0163 EA 18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen.....	466.28	70.80
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	75.26	
10 21 13 19-0164 EA 24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen.....	585.37	76.25
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	98.53	
10 21 13 19-0165 EA 30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen.....	685.26	81.69
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	117.76	
<b>10 21 13 19-0166</b> Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens <small>(10 21 13 19-0153)</small>		
10 21 13 19-0167 EA 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen .....	744.20	70.80
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	133.62	
10 21 13 19-0168 EA 36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen .....	839.65	76.25
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	151.93	
10 21 13 19-0169 EA 48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen .....	1,007.04	81.69
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	185.34	
<b>10 21 13 19-0170</b> Solid Phenolic Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0135)</small>		
Note: Includes all standard Bobrick colors.		
<b>10 21 13 19-0171</b> Solid Phenolic, Toilet Partition Doors <small>(10 21 13 19-0170)</small>		
10 21 13 19-0172 EA 24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door .....	541.86	21.79
For Heavy Gauge Full-Height SS Hinge, Add	97.16	
For NFPA Class A, Add	106.82	
10 21 13 19-0173 EA 26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door .....	560.60	21.79
For Heavy Gauge Full-Height SS Hinge, Add	97.16	
For NFPA Class A, Add	110.75	
10 21 13 19-0174 EA 30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door .....	614.13	24.52
For Heavy Gauge Full-Height SS Hinge, Add	97.16	
For NFPA Class A, Add	121.12	
10 21 13 19-0175 EA 34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door.....	662.99	24.52
For Heavy Gauge Full-Height SS Hinge, Add	97.16	
For NFPA Class A, Add	131.38	
10 21 13 19-0176 EA 36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door.....	713.17	24.52
For Heavy Gauge Full-Height SS Hinge, Add	97.16	
For NFPA Class A, Add	141.92	
<b>10 21 13 19-0177</b> Solid Phenolic, Toilet Partition Panels <small>(10 21 13 19-0170)</small>		
10 21 13 19-0178 EA 6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	169.23	32.69
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	25.08	
10 21 13 19-0179 EA 12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	226.56	35.42
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	36.24	
10 21 13 19-0180 EA 18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	309.84	38.14
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	52.86	
10 21 13 19-0181 EA 24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	394.02	40.87
For Heavy Gauge Full-Height SS Brackets, Add	60.38	
For NFPA Class A, Add	69.67	

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0182	EA		30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	439.61 60.38 78.37	43.59
10 21 13 19-0183	EA		36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	487.49 60.38 87.55	46.32
10 21 13 19-0184	EA		42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	569.45 60.38 103.89	49.04
10 21 13 19-0185	EA		48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	653.84 60.38 120.74	51.77
10 21 13 19-0186	EA		55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	697.46 60.38 129.03	54.48
10 21 13 19-0187	EA		58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	716.99 60.38 132.78	55.57
10 21 13 19-0188	EA		60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	730.67 60.38 135.13	57.21
10 21 13 19-0189	EA		70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	841.60 60.38 157.56	59.93
10 21 13 19-0190	EA		78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,017.77 60.38 193.68	62.66
<b>10 21 13 19-0191</b>			<b>69" Long, Solid Phenolic, Toilet Partition Pilasters</b> <small>(10 21 13 19-0170)</small>		
10 21 13 19-0192	EA		Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	256.84 28.02 60.38 48.71	16.35
10 21 13 19-0193	EA		5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	295.60 32.18 60.38 55.97	19.07
10 21 13 19-0194	EA		6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	301.05 32.18 60.38 56.25	21.79
10 21 13 19-0195	EA		8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	348.84 37.48 60.38 65.41	24.52
10 21 13 19-0196	EA		10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	392.45 42.25 60.38 73.70	27.24
10 21 13 19-0197	EA		12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	436.06 47.02 60.38 81.98	29.97
10 21 13 19-0198	EA		16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	558.80 61.68 60.38 106.89	32.69
10 21 13 19-0199	EA		20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	687.08 77.03 60.38 132.95	35.42
10 21 13 19-0200	EA		24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	721.68 80.68 60.38 139.35	38.14
<b>10 21 13 19-0201</b>			<b>83" Long, Solid Phenolic, Toilet Partition Pilasters</b> <small>(10 21 13 19-0170)</small>		
10 21 13 19-0202	EA		Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	281.83 31.14 60.38 53.95	16.35
10 21 13 19-0203	EA		5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	330.30 36.52 60.38 63.26	19.07
10 21 13 19-0204	EA		6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	335.75 36.52 60.38 63.53	21.79
10 21 13 19-0205	EA		8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	389.09 42.51 60.38 73.86	24.52



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13	19-0206	EA 10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	439.64 48.15 60.38 83.61	27.24
10 21	13	19-0207	EA 12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	490.56 53.83 60.38 93.43	29.97
10 21	13	19-0208	EA 16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	639.99 71.83 60.38 123.94	32.69
10 21	13	19-0209	EA 20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	763.08 86.53 60.38 148.91	35.42
10 21	13	19-0210	EA 24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	802.54 90.78 60.38 156.33	38.14
10 21	13	19-0211	<b>96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters</b> <small>(10 21 13 19-0170)</small>		
10 21	13	19-0212	EA Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	317.71 34.27 60.38 59.74	21.79
10 21	13	19-0213	EA 5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	375.90 40.86 60.38 71.09	24.52
10 21	13	19-0214	EA 6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	381.34 40.86 60.38 71.36	27.24
10 21	13	19-0215	EA 8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	440.23 47.54 60.38 82.86	29.97
10 21	13	19-0216	EA 10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	497.73 54.04 60.38 94.06	32.69
10 21	13	19-0217	EA 12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	555.92 60.64 60.38 105.41	35.42
10 21	13	19-0218	EA 16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	732.09 81.98 60.38 141.53	38.14
10 21	13	19-0219	EA 20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	849.96 96.03 60.38 165.41	40.87
10 21	13	19-0220	EA 24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	894.27 100.89 60.38 173.85	43.59
10 21	13	19-0221	<b>Solid Color Reinforced Composite Toilet Partitions And Urinal Screens</b> <small>(10 21 13 19-0221)</small> <small>Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.</small>		
10 21	13	19-0222	<b>Solid Color Reinforced Composite Toilet Partitions</b> <small>(10 21 13 19-0221)</small> <small>Note: Includes all standard Bobrick colors.</small>		
10 21	13	19-0223	<b>Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions</b> <small>(10 21 13 19-0222)</small>		
10 21	13	19-0224	EA 36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,203.09 -195.79 217.91	122.59
10 21	13	19-0225	EA 60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,712.99 217.91	133.49
10 21	13	19-0226	EA 60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	3,033.24 217.91	138.94

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0227			<b>Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions</b> <small>(10 21 13 19-0227)</small> Note: Includes headrail.		
10 21 13 19-0228	EA		36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition.....	2,440.60	149.84
			<i>For &gt;10, Deduct</i>	-214.09	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
10 21 13 19-0229	EA		60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,970.94	160.73
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
10 21 13 19-0230	EA		60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,306.75	166.18
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
10 21 13 19-0231			<b>Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions</b> <small>(10 21 13 19-0222)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0232	EA		36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition.....	2,511.81	177.08
			<i>For &gt;10, Deduct</i>	-215.77	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
10 21 13 19-0233	EA		60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,038.35	187.98
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
10 21 13 19-0234	EA		60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,358.61	193.42
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
10 21 13 19-0235			<b>Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions</b> <small>(10 21 13 19-0222)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0236	EA		36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition.....	2,466.44	204.32
			<i>For &gt;10, Deduct</i>	-205.78	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
10 21 13 19-0237	EA		60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,975.98	215.22
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
10 21 13 19-0238	EA		60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,296.22	220.67
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
10 21 13 19-0239			<b>Solid Color Reinforced Composite Urinal Screens</b> <small>(10 21 13 19-0221)</small> Note: Includes all standard Bobrick colors.		
10 21 13 19-0240			<b>Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens</b> <small>(10 21 13 19-0239)</small>		
10 21 13 19-0241	EA		24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	790.62	76.25
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0242	EA		36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	895.56	81.69
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0243	EA		48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	1,078.23	87.14
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0244			<b>Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens</b> <small>(10 21 13 19-0239)</small>		
10 21 13 19-0245	EA		18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	499.14	65.35
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0246	EA		24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	579.98	70.80
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0247	EA		30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	700.56	76.25
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0248			<b>Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens</b> <small>(10 21 13 19-0239)</small>		
10 21 13 19-0249	EA		18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	505.24	70.80
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0250	EA		24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	637.32	76.25
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0251	EA		30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	747.88	81.69
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0252			<b>Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens</b> <small>(10 21 13 19-0239)</small>		



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0253 EA 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	816.51 60.38	70.80
10 21 13 19-0254 EA 36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	922.10 60.38	76.25
10 21 13 19-0255 EA 48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	1,108.28 60.38	81.69
<b>10 21 13 19-0256 Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 19-0221)</small> Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.		
<b>10 21 13 19-0257 Solid Color Reinforced Composite, Toilet Partition Doors</b> <small>(10 21 13 19-0256)</small>		
10 21 13 19-0258 EA 24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> .....	601.66 97.16	21.79
10 21 13 19-0259 EA 26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> .....	622.64 97.16	21.79
10 21 13 19-0260 EA 30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> .....	681.94 97.16	24.52
10 21 13 19-0261 EA 34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> .....	736.66 97.16	24.52
10 21 13 19-0262 EA 36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> .....	792.87 97.16	24.52
<b>10 21 13 19-0263 Solid Color Reinforced Composite, Toilet Partition Panels</b> <small>(10 21 13 19-0256)</small>		
10 21 13 19-0264 EA 6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	181.69 60.38	32.69
10 21 13 19-0265 EA 12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	245.25 60.38	35.42
10 21 13 19-0266 EA 18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	337.87 60.38	38.14
10 21 13 19-0267 EA 24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	431.49 60.38	40.87
10 21 13 19-0268 EA 30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	481.90 60.38	43.59
10 21 13 19-0269 EA 36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	534.88 60.38	46.32
10 21 13 19-0270 EA 42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	626.01 60.38	49.04
10 21 13 19-0271 EA 48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	719.88 60.38	51.77
10 21 13 19-0272 EA 55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	768.08 60.38	54.48
10 21 13 19-0273 EA 58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	789.69 60.38	55.57
10 21 13 19-0274 EA 60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	804.62 60.38	57.21
10 21 13 19-0275 EA 70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	928.21 60.38	59.93
10 21 13 19-0276 EA 78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	1,124.87 60.38	62.66
<b>10 21 13 19-0277 69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters</b> <small>(10 21 13 19-0256)</small>		
10 21 13 19-0278 EA Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	283.74 31.38 60.38	16.35
10 21 13 19-0279 EA 5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	326.50 36.05 60.38	19.07
10 21 13 19-0280 EA 6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	331.95 36.05 60.38	21.79
10 21 13 19-0281 EA 8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	384.81 41.97 60.38	24.52
10 21 13 19-0282 EA 10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	433.00 47.32 60.38	27.24
10 21 13 19-0283 EA 12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	481.20 52.66 60.38	29.97
10 21 13 19-0284 EA 16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	618.01 69.08 60.38	32.69
10 21 13 19-0285 EA 20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	761.03 86.28 60.38	35.42

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0286	EA		24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	799.12	38.14
			<i>For 1" Pilaster, Add</i>	90.36	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
<b>10 21 13 19-0287</b>			<b>83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters</b> <small>(10 21 13 19-0286)</small>		
10 21 13 19-0288	EA		Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	311.72	16.35
			<i>For 1" Pilaster, Add</i>	34.88	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0289	EA		5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	365.36	19.07
			<i>For 1" Pilaster, Add</i>	40.90	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0290	EA		6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	370.81	21.79
			<i>For 1" Pilaster, Add</i>	40.90	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0291	EA		8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	429.89	24.52
			<i>For 1" Pilaster, Add</i>	47.61	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0292	EA		10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	485.85	27.24
			<i>For 1" Pilaster, Add</i>	53.92	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0293	EA		12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	542.23	29.97
			<i>For 1" Pilaster, Add</i>	60.29	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0294	EA		16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	708.94	32.69
			<i>For 1" Pilaster, Add</i>	80.45	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0295	EA		20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	846.15	35.42
			<i>For 1" Pilaster, Add</i>	96.92	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0296	EA		24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	889.69	38.14
			<i>For 1" Pilaster, Add</i>	101.68	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
<b>10 21 13 19-0297</b>			<b>96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters</b> <small>(10 21 13 19-0286)</small>		
10 21 13 19-0298	EA		Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	350.60	21.79
			<i>For 1" Pilaster, Add</i>	38.38	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0299	EA		5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	415.13	24.52
			<i>For 1" Pilaster, Add</i>	45.76	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0300	EA		6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	420.57	27.24
			<i>For 1" Pilaster, Add</i>	45.76	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0301	EA		8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	485.86	29.97
			<i>For 1" Pilaster, Add</i>	53.24	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0302	EA		10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	549.61	32.69
			<i>For 1" Pilaster, Add</i>	60.53	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0303	EA		12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	614.13	35.42
			<i>For 1" Pilaster, Add</i>	67.91	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0304	EA		16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	810.78	38.14
			<i>For 1" Pilaster, Add</i>	91.81	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0305	EA		20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	942.15	40.87
			<i>For 1" Pilaster, Add</i>	107.55	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0306	EA		24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	991.12	43.59
			<i>For 1" Pilaster, Add</i>	112.99	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
<b>10 21 13 19-0307</b>			<b>Solid Polyester (Corian) Toilet Partitions And Urinal Screens</b> <small>(10 21 13 19)</small>		
			Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.		
<b>10 21 13 19-0308</b>			<b>Solid Polyester (Corian) Toilet Partitions</b> <small>(10 21 13 19-0307)</small>		
			Note: Small particulate finish.		
<b>10 21 13 19-0309</b>			<b>Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions</b> <small>(10 21 13 19-0308)</small>		
10 21 13 19-0310	EA		36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition .....	4,792.13	122.59
			<i>For &gt;10, Deduct</i>	-454.69	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,045.80	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	



<b>Specialties</b>	<b>10</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>	
<b>Compartments and Cubicles</b>	<b>10 21</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0311 EA 60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	5,791.68	133.49
<i>For Solid Color Material (No Particulate), Deduct</i>	-1,270.68	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
10 21 13 19-0312 EA 60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	6,425.56	138.94
<i>For Solid Color Material (No Particulate), Deduct</i>	-1,413.97	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
<b>10 21 13 19-0313 Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions</b> <small>(10 21 13 19-0308)</small>		
10 21 13 19-0314 EA 36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	4,970.46	149.84
<i>For &gt;10, Deduct</i>	-467.08	
<i>For Solid Color Material (No Particulate), Deduct</i>	-1,074.28	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
10 21 13 19-0315 EA 60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	6,541.21	160.73
<i>For Solid Color Material (No Particulate), Deduct</i>	-1,430.54	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
10 21 13 19-0316 EA 60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	7,244.84	166.18
<i>For Solid Color Material (No Particulate), Deduct</i>	-1,589.87	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
<b>10 21 13 19-0317 Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions</b> <small>(10 21 13 19-0308)</small>		
Note: Excludes above ceiling steel.		
10 21 13 19-0318 EA 36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	5,565.19	177.08
<i>For &gt;10, Deduct</i>	-521.10	
<i>For Solid Color Material (No Particulate), Deduct</i>	-1,198.54	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
10 21 13 19-0319 EA 60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	7,489.56	187.98
<i>For Solid Color Material (No Particulate), Deduct</i>	-1,636.13	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
10 21 13 19-0320 EA 60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	8,192.66	193.42
<i>For Solid Color Material (No Particulate), Deduct</i>	-1,795.33	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
<b>10 21 13 19-0321 Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions</b> <small>(10 21 13 19-0308)</small>		
Note: Excludes above ceiling steel.		
10 21 13 19-0322 EA 36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	5,612.98	204.32
<i>For &gt;10, Deduct</i>	-520.44	
<i>For Solid Color Material (No Particulate), Deduct</i>	-1,197.00	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
10 21 13 19-0323 EA 60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	7,184.30	215.22
<i>For Solid Color Material (No Particulate), Deduct</i>	-1,553.39	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
10 21 13 19-0324 EA 60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	7,887.38	220.67
<i>For Solid Color Material (No Particulate), Deduct</i>	-1,712.59	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	217.91	
<b>10 21 13 19-0325 Solid Polyester (Corian) Urinal Screens</b> <small>(10 21 13 19-0307)</small>		
<b>10 21 13 19-0326 Floor Anchored, Solid Polyester (Corian), Urinal Screens</b> <small>(10 21 13 19-0325)</small>		
10 21 13 19-0327 EA 24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,309.07	76.25
<i>For Solid Color Material (No Particulate), Deduct</i>	-266.01	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0328 EA 36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,735.29	81.69
<i>For Solid Color Material (No Particulate), Deduct</i>	-361.54	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0329 EA 48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	2,161.52	87.14
<i>For Solid Color Material (No Particulate), Deduct</i>	-457.06	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
<b>10 21 13 19-0330 Wall Hung, Solid Polyester (Corian), Urinal Screens</b> <small>(10 21 13 19-0325)</small>		
10 21 13 19-0331 EA 18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	661.93	65.35
<i>For Solid Color Material (No Particulate), Deduct</i>	-122.18	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0332 EA 24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	849.88	70.80
<i>For Solid Color Material (No Particulate), Deduct</i>	-162.90	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0333 EA 30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	1,037.85	76.25
<i>For Solid Color Material (No Particulate), Deduct</i>	-203.63	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	

<b>10</b>	<b>10</b> <b>Specialties</b>
	<b>10 20</b> <b>Interior Specialties</b>
	<b>10 21</b> <b>Compartments and Cubicles</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 19-0334	<b>Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens</b> <small>(10 21 13 19-0325)</small> <small>21 13 19-0325</small>		
10 21 13 19-0335	EA 18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	870.27	70.80
	<i>For Solid Color Material (No Particulate), Deduct</i>	-167.59	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0336	EA 24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	1,088.84	76.25
	<i>For Solid Color Material (No Particulate), Deduct</i>	-215.36	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0337	EA 30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	1,307.38	81.69
	<i>For Solid Color Material (No Particulate), Deduct</i>	-263.12	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0338	<b>Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens</b> <small>(10 21 13 19-0325)</small> <small>(10 21 13 19-0325)</small>		
10 21 13 19-0339	EA 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen .....	1,343.44	70.80
	<i>For Solid Color Material (No Particulate), Deduct</i>	-276.42	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0340	EA 34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen .....	1,769.66	76.25
	<i>For Solid Color Material (No Particulate), Deduct</i>	-371.95	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0341	EA 46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen .....	2,195.88	81.69
	<i>For Solid Color Material (No Particulate), Deduct</i>	-467.47	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0342	<b>Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 19-0307)</small> <small>0307</small>		
10 21 13 19-0343	<b>Solid Polyester (Corian), Toilet Partition Doors</b> <small>(10 21 13 19-0342)</small> <small>(10 21 13 19-0342)</small>		
10 21 13 19-0344	EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door .....	1,047.28	21.79
	<i>For Solid Color Material (No Particulate), Deduct</i>	-230.85	
	<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	97.16	
10 21 13 19-0345	EA 26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door .....	1,119.02	21.79
	<i>For Solid Color Material (No Particulate), Deduct</i>	-247.35	
	<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	97.16	
10 21 13 19-0346	EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door .....	1,276.18	24.52
	<i>For Solid Color Material (No Particulate), Deduct</i>	-282.24	
	<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	97.16	
10 21 13 19-0347	EA 34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door .....	1,424.22	24.52
	<i>For Solid Color Material (No Particulate), Deduct</i>	-316.29	
	<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	97.16	
10 21 13 19-0348	EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door .....	1,488.63	24.52
	<i>For Solid Color Material (No Particulate), Deduct</i>	-331.11	
	<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	97.16	
10 21 13 19-0349	<b>Solid Polyester (Corian), Toilet Partition Panels</b> <small>(10 21 13 19-0342)</small> <small>(10 21 13 19-0342)</small>		
10 21 13 19-0350	EA 6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	273.03	32.69
	<i>For Solid Color Material (No Particulate), Deduct</i>	-47.76	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0351	EA 12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	486.16	35.42
	<i>For Solid Color Material (No Particulate), Deduct</i>	-95.53	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0352	EA 18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	699.26	38.14
	<i>For Solid Color Material (No Particulate), Deduct</i>	-143.29	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0353	EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	912.39	40.87
	<i>For Solid Color Material (No Particulate), Deduct</i>	-191.05	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0354	EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,125.49	43.59
	<i>For Solid Color Material (No Particulate), Deduct</i>	-238.81	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0355	EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,338.58	46.32
	<i>For Solid Color Material (No Particulate), Deduct</i>	-286.57	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0356	EA 42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,551.71	49.04
	<i>For Solid Color Material (No Particulate), Deduct</i>	-334.34	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0357	EA 48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,764.81	51.77
	<i>For Solid Color Material (No Particulate), Deduct</i>	-382.10	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0358	EA 55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	2,012.53	54.48
	<i>For Solid Color Material (No Particulate), Deduct</i>	-437.82	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0359	EA 58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	2,118.56	55.57
	<i>For Solid Color Material (No Particulate), Deduct</i>	-461.70	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0360	EA 60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	2,191.04	57.21
	<i>For Solid Color Material (No Particulate), Deduct</i>	-477.62	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	
10 21 13 19-0361	EA 70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	2,542.58	59.93
	<i>For Solid Color Material (No Particulate), Deduct</i>	-557.22	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	60.38	





<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13	19-0362	EA 78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,824.92 -620.91 60.38	62.66
<b>10 21 13 19-0363 72" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-03 42)</b>					
10 21	13	19-0364	EA Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	358.60 -74.96 60.38	16.35
10 21	13	19-0365	EA 5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	445.53 -93.70 60.38	19.07
10 21	13	19-0366	EA 6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	532.46 -112.44 60.38	21.79
10 21	13	19-0367	EA 8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	700.89 -149.93 60.38	24.52
10 21	13	19-0368	EA 10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	869.29 -187.41 60.38	27.24
10 21	13	19-0369	EA 12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,037.69 -224.88 60.38	29.97
10 21	13	19-0370	EA 18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,532.01 -337.32 60.38	32.69
10 21	13	19-0371	EA 22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,863.40 -412.29 60.38	35.42
10 21	13	19-0372	EA 24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,031.80 -449.77 60.38	38.14
<b>10 21 13 19-0373 82" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-03 42)</b>					
10 21	13	19-0374	EA Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	403.86 -85.37 60.38	16.35
10 21	13	19-0375	EA 5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	502.13 -106.72 60.38	19.07
10 21	13	19-0376	EA 6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	589.76 -125.62 60.38	21.79
10 21	13	19-0377	EA 8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	805.57 -174.00 60.38	24.52
10 21	13	19-0378	EA 10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	982.44 -213.43 60.38	27.24
10 21	13	19-0379	EA 12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,173.48 -256.12 60.38	29.97
10 21	13	19-0380	EA 18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,735.72 -384.18 60.38	32.69
10 21	13	19-0381	EA 22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,112.37 -469.55 60.38	35.42
10 21	13	19-0382	EA 24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,303.40 -512.24 60.38	38.14
<b>10 21 13 19-0383 96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-03 42)</b>					
10 21	13	19-0384	EA Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	532.46 -112.44 60.38	21.79
10 21	13	19-0385	EA 5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	660.14 -140.55 60.38	24.52
10 21	13	19-0386	EA 6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	787.81 -168.67 60.38	27.24
10 21	13	19-0387	EA 8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,037.69 -224.88 60.38	29.97
10 21	13	19-0388	EA 10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,287.57 -281.10 60.38	32.69
10 21	13	19-0389	EA 12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,537.46 -337.32 60.38	35.42

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0390 EA 18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,276.24 -505.99 60.38	38.14
10 21 13 19-0391 EA 22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,770.58 -618.44 60.38	40.87
10 21 13 19-0392 EA 24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	3,020.46 -674.65 60.38	43.59

**10 21 13 43 Compartments and Cubicles Common Accessories (10 21 13)****10 21 13 43-0001 Accessories (10 21 13 43)**

10 21 13 43-0002 LF Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens.....	13.00	2.18
10 21 13 43-0003 LF Stainless Steel Headrails For Toilet Partitions And Urinal Screens.....	23.47	2.18
10 21 13 43-0004 EA Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts.....	79.22	
10 21 13 43-0005 EA Replacement Of 58" Aluminum Wall U Bracket.....	68.14	
10 21 13 43-0006 EA Replacement Of 58" Aluminum Wall Two Ear Bracket.....	113.44	
10 21 13 43-0007 EA Replacement Of 54" Stainless Steel Wall U Bracket.....	61.92	
10 21 13 43-0008 EA Replacement Of 54" Stainless Steel Wall Two Ear Bracket.....	142.56	
10 21 13 43-0009 EA Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors.....	182.70	
10 21 13 43-0010 EA Replacement Of 57-1/2" Stainless Steel Hinge.....	106.88	

**10 21 16 Shower and Dressing Compartments (10 21)****10 21 16 17 Phenolic-Core Shower and Dressing Compartments (10 21 16)****10 21 16 17-0001 Shower Dividers (10 21 16 17)****10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers (10 21 16 17-0001)**

Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.

10 21 16 17-0003 EA 18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider..... <i>For 66" High Panels, Add</i>	1,177.45 135.75	136.22
10 21 16 17-0004 EA 24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider..... <i>For 66" High Panels, Add</i>	1,500.94 181.01	147.12
10 21 16 17-0005 EA 36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider..... <i>For 66" High Panels, Add</i>	1,964.60 245.65	163.46
10 21 16 17-0006 EA 48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider..... <i>For 66" High Panels, Add</i>	2,320.73 290.90	190.71
10 21 16 17-0007 EA 57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider..... <i>For 66" High Panels, Add</i>	2,676.91 336.15	217.95

**10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And****Curtain Track (10 21 16 17-0001)**

Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Headrail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in headrail.

10 21 16 17-0009 EA 18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	2,920.89 414.19 78.05 107.26 131.68 158.50 132.88 172.88	239.41
10 21 16 17-0010 EA 24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	3,635.38 519.16 98.60 134.96 166.08 199.82 137.29 177.29	261.42
10 21 16 17-0011 EA 36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	4,626.15 666.12 127.66 173.93 214.63 258.11 140.60 180.60	277.99
10 21 16 17-0012 EA 48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	4,931.62 708.64 135.51 184.83 227.92 274.13 147.20 187.20	311.01



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	16 17-0013	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track .....	5,655.98	338.03
			<i>For 66" High Panels, Add</i>	814.60	
			<i>For 6" Wide Head Rail, Add</i>	156.16	
			<i>For 8" Wide Head Rail, Add</i>	212.72	
			<i>For 10" Wide Head Rail, Add</i>	262.52	
			<i>For 12" Wide Head Rail, Add</i>	315.70	
			<i>For 18" Wide, 1/2" Thick Bench, Add</i>	152.60	
			<i>For 24" Wide, 1/2" Thick Bench, Add</i>	192.60	

10 22 Partitions (10 20)

**10 22 13 Wire Mesh Partitions (10 22)**

**10 22 13 00-0001 Wall Panels (10 22 13)**

Note: Includes steel frame and posts. Posts bolted to floor.

10 22 13 00-0002	SF	Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts .....	15.82	1.36
		<i>For 5' Wide Panels, Add</i>	0.65	
10 22 13 00-0003	SF	Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts .....	17.47	1.63
		<i>For 5' Wide Panels, Add</i>	0.71	
10 22 13 00-0004	SF	Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts .....	19.63	1.90
		<i>For 5' Wide Panels, Add</i>	0.79	

**10 22 13 00-0005 Ceiling Panels (10 22 13)**

Note: Includes steel frame.

10 22 13 00-0006	SF	Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts .....	16.30	1.63
10 22 13 00-0007	SF	Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts .....	17.96	1.90
10 22 13 00-0008	SF	Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts .....	19.86	2.18

**10 22 13 00-0009 Sliding Doors (10 22 13)**

Note: Includes padlocks lugs and/or provisions for cylinder lock.

10 22 13 00-0010	EA	4' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,431.88	286.06
		<i>For 8 Gauge, Add</i>	157.57	
		<i>For 6 Gauge, Add</i>	315.14	
10 22 13 00-0011	EA	4' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,503.48	316.02
		<i>For 8 Gauge, Add</i>	162.32	
		<i>For 6 Gauge, Add</i>	324.63	
10 22 13 00-0012	EA	5' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,650.59	326.92
		<i>For 8 Gauge, Add</i>	182.20	
		<i>For 6 Gauge, Add</i>	364.41	
10 22 13 00-0013	EA	5' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,801.26	354.16
		<i>For 8 Gauge, Add</i>	199.36	
		<i>For 6 Gauge, Add</i>	398.71	
10 22 13 00-0014	EA	6' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,859.41	375.95
		<i>For 8 Gauge, Add</i>	203.72	
		<i>For 6 Gauge, Add</i>	407.44	
10 22 13 00-0015	EA	6' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	2,051.64	397.76
		<i>For 8 Gauge, Add</i>	228.20	
		<i>For 6 Gauge, Add</i>	456.39	
10 22 13 00-0016	EA	8' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	2,204.85	427.72
		<i>For 8 Gauge, Add</i>	245.18	
		<i>For 6 Gauge, Add</i>	490.37	
10 22 13 00-0017	EA	8' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	2,406.20	446.79
		<i>For 8 Gauge, Add</i>	271.57	
		<i>For 6 Gauge, Add</i>	543.14	
10 22 13 00-0018	EA	10' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	2,425.08	457.69
		<i>For 8 Gauge, Add</i>	272.22	
		<i>For 6 Gauge, Add</i>	544.45	
10 22 13 00-0019	EA	10' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	2,683.58	484.93
		<i>For 8 Gauge, Add</i>	305.55	
		<i>For 6 Gauge, Add</i>	611.10	

**10 22 13 00-0020 Swing Doors (10 22 13)**

**10 22 13 00-0021 Single Swing Door (10 22 13 00-0020)**

10 22 13 00-0022	EA	3' x 7' Swing Door, 10 Gauge With Cylinder Lock.....	984.02	168.91
		<i>For 8 Gauge, Add</i>	111.28	
		<i>For 6 Gauge, Add</i>	222.56	
10 22 13 00-0023	EA	3' x 8' Swing Door, 10 Gauge With Cylinder Lock.....	1,060.48	190.71
		<i>For 8 Gauge, Add</i>	120.93	
		<i>For 6 Gauge, Add</i>	241.86	
10 22 13 00-0024	EA	3' x 9' Swing Door, 10 Gauge With Cylinder Lock.....	1,137.65	201.60
		<i>For 8 Gauge, Add</i>	130.33	
		<i>For 6 Gauge, Add</i>	260.66	
10 22 13 00-0025	EA	4' x 7' Swing Door, 10 Gauge With Cylinder Lock.....	1,114.97	217.95
		<i>For 8 Gauge, Add</i>	123.66	
		<i>For 6 Gauge, Add</i>	247.31	
10 22 13 00-0026	EA	4' x 8' Swing Door, 10 Gauge With Cylinder Lock.....	1,195.05	228.84
		<i>For 8 Gauge, Add</i>	133.49	
		<i>For 6 Gauge, Add</i>	266.98	

**10 Specialties****10 20 Interior Specialties****10 22 Partitions**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0027	EA		4' x 9' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,248.46 139.32 278.64	239.74
10 22 13 00-0028	EA		4' x 7' Dutch Door, 10 Gauge With Cylinder Lock ..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,494.03 180.51 361.03	217.95
10 22 13 00-0029	EA		4' x 8' Dutch Door, 10 Gauge With Cylinder Lock ..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,585.99 192.13 384.26	228.84
<b>10 22 13 00-0030</b>			<b>Double Swing Doors</b> (10 22 13 00-0020)		
10 22 13 00-0031	EA		6' x 7' Double Swing Door, 10 Gauge With Cylinder Lock ..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,562.01 179.82 359.63	272.43
10 22 13 00-0032	EA		6' x 8' Double Swing Door, 10 Gauge With Cylinder Lock ..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,594.70 181.45 362.90	288.78
10 22 13 00-0033	EA		6' x 9' Double Swing Door, 10 Gauge With Cylinder Lock ..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	2,227.79 273.14 546.29	305.12
10 22 13 00-0034	EA		8 x 7' Double Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,670.99 185.26 370.53	326.92
10 22 13 00-0035	EA		8 x 8' Double Swing Door, 10 Gauge With Cylinder Lock ..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,703.68 186.90 373.80	343.26
10 22 13 00-0036	EA		8 x 9' Double Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	2,336.76 278.59 557.18	359.61
<b>10 22 19</b>			<b>Demountable Partitions</b> (10 22)		
<b>10 22 19 13</b>			<b>Demountable Metal Partitions</b> (10 22 19)		
10 22 19 13-0001	LF		9' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick..... <i>For &gt;9, Add 18.30</i>	146.43	17.33
10 22 19 13-0002	LF		7' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick..... <i>For &gt;9, Add 16.04</i>	128.34	13.80
10 22 19 13-0003	LF		5' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick..... <i>For &gt;9, Add 13.78</i>	110.25	10.37
10 22 19 13-0004	LF		9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 48" Wide, Backed Enamel..... <i>For &gt;9, Add 19.19</i>	153.51	13.80
10 22 19 13-0005	LF		9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 48" Wide, Fabric..... <i>For &gt;9, Add 27.81</i>	222.47	14.84
<b>10 22 19 43</b>			<b>Demountable Composite Partitions</b> (10 22 19)		
10 22 19 43-0001	LF		Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad ..... <i>For &gt;9, Add 28.08</i>	224.64	17.33
10 22 19 43-0002	LF		Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad ..... <i>For &gt;9, Add 35.11</i>	280.91	18.89
10 22 19 43-0003	SF		Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick..... <i>For Acoustical Partitions, Add</i>	47.01 4.19	2.59
10 22 19 43-0004	SF		Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick..... <i>For Acoustical Partitions, Add</i>	59.02 5.03	4.35
10 22 19 43-0005	SF		Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick..... <i>For Acoustical Partitions, Add</i>	50.15 4.47	2.70
10 22 19 43-0006	SF		Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick..... <i>For Acoustical Partitions, Add</i>	71.69 6.43	3.74
<b>10 22 19 53</b>			<b>Demountable Gypsum Partitions</b> (10 22 19)		
<b>10 22 19 53-0001</b>			<b>Demountable Gypsum Partitions</b> (10 22 19 53)		
10 22 19 53-0002	LF		9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Vinyl Clad..... <i>For &gt;9, Add 11.59</i>	92.71	17.33
10 22 19 53-0003	LF		9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Fabric Clad ..... <i>For &gt;9, Add 19.44</i>	155.48	18.89
10 22 19 53-0004	LF		9' High Demountable Partition Gypsum System, 2" To 2.5", Steel Standard, 3" To 3-3/4" Thick, Steel Clad ..... <i>For &gt;9, Add 20.92</i>	167.39	20.76
10 22 19 53-0005	LF		9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Vinyl Clad..... <i>For &gt;9, Add 22.84</i>	182.71	17.33
10 22 19 53-0006	LF		9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Fabric Clad..... <i>For &gt;9, Add 37.91</i>	303.27	18.89
<b>10 22 23</b>			<b>Portable Partitions, Screens, and Panels</b> (10 22)		
			Note: Includes standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used. For 100 percent glass 1/4" tempered plate glass is used.		



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Partitions	10 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**10 22 23 23 Movable Panel Systems (10 22 23)**

**10 22 23 23-0001 Portable Partitions (10 22 23 23)**

10 22 23 23-0002	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High	282.16	8.31
10 22 23 23-0003	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High	300.79	9.23
10 22 23 23-0004	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High	357.59	11.11
10 22 23 23-0005	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High	207.96	4.78
10 22 23 23-0006	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High	220.73	5.50
10 22 23 23-0007	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High	248.10	6.64
10 22 23 23-0008	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High	211.52	5.08
10 22 23 23-0009	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High	376.26	9.23
10 22 23 23-0010	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High	413.50	11.11
10 22 23 23-0011	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High	219.44	6.33
10 22 23 23-0012	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High	249.64	7.37
10 22 23 23-0013	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High	201.16	5.50
10 22 23 23-0014	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High	225.74	6.64
10 22 23 23-0015	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High	334.33	9.23
10 22 23 23-0016	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High	377.16	11.11
10 22 23 23-0017	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High	339.92	9.23
10 22 23 23-0018	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High	413.50	11.11
10 22 23 23-0019	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High	262.66	5.50
10 22 23 23-0020	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High	295.63	6.64
10 22 23 23-0021	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High	277.21	5.08
10 22 23 23-0022	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High	330.72	6.02
10 22 23 23-0023	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High	160.74	6.33
10 22 23 23-0024	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High	189.54	7.37
10 22 23 23-0025	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High	171.23	6.64
10 22 23 23-0026	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High	124.86	5.08
10 22 23 23-0027	LF	Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side	203.38	6.64
10 22 23 23-0028	LF	Partitions, Portable, Metal Chalkboard, 2 Sides	231.88	6.96
10 22 23 23-0029	LF	Partitions, Portable, Tackboard, Both Sides	186.82	6.74

**10 22 23 23-0030 Adjustable Barrier Panel System (Edge Guard) (10 22 23 23)**

Note: Panels are opal or transparent. Includes self leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

10 22 23 23-0031	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	994.79	
10 22 23 23-0032	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	944.34	
10 22 23 23-0033	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002)	742.53	
10 22 23 23-0034	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	860.25	
10 22 23 23-0035	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010)	1,524.52	
Note: Includes a hydraulic closer and a lever style lockset standard.				
10 22 23 23-0036	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003)	1,692.69	
10 22 23 23-0037	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008)	2,029.03	
Note: Includes a hydraulic closer and a lever style lockset standard.				
10 22 23 23-0038	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	332.90	
10 22 23 23-0039	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	455.35	
10 22 23 23-0040	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	488.98	
10 22 23 23-0041	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	274.05	
10 22 23 23-0042	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009)	274.05	
10 22 23 23-0043	EA	Closure Strips (Edge Guard 3003)	18.24	
Note: To seal panels to existing walls				
10 22 23 23-0044	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005)	467.92	

**10 22 33 Accordion Folding Partitions (10 22)**

**10 22 33 00-0001 Accordion Doors/Partitions (10 22 33)**

Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF	15 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 1500)	78.17	5.14
			15.63	
For <135, Add				
10 22 33 00-0003	SF	20 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 2000)	79.41	5.31
			15.88	
For <135, Add				
10 22 33 00-0004	SF	31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3100)	83.14	5.48
			16.63	
For <135, Add				
10 22 33 00-0005	SF	35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3500)	88.19	5.66
			17.64	
For <135, Add				
10 22 33 00-0006	SF	39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3900)	89.73	5.83
			17.95	
For <135, Add				
10 22 33 00-0007	SF	40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4000)	90.85	6.00
			18.17	
For <135, Add				
10 22 33 00-0008	SF	41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4100)	91.93	6.16
			18.39	
For <135, Add				
10 22 33 00-0009	SF	45 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4500)	93.32	6.50
			18.66	
For <135, Add				
10 22 33 00-0010	SF	Accordion Partition (Soundmaster Model 8M)	52.44	8.31

**10 22 43 Sliding Partitions (10 22)**

**10 22 43 00-0001 Operable Wall (10 22 43)**

Note: Includes top support track, assembled panel and frames.

**10 Specialties****10 20 Interior Specialties****10 22 Partitions**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 43 00-0002	SF		Up To 720 SF, 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	123.69	8.96
			<i>For 51 STC, Add</i>	10.65	
10 22 43 00-0003	SF		>720 To 1,200 SF, 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	116.25	7.17
			<i>For 51 STC, Add</i>	10.42	
10 22 43 00-0004	SF		>1,200 SF, 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	110.61	5.96
			<i>For 51 STC, Add</i>	10.20	
10 22 43 00-0005	SF		Up To 1,080 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	106.97	6.27
			<i>For 51 STC, Add</i>	9.70	
10 22 43 00-0006	SF		>1,080 To 1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	101.00	5.10
			<i>For 51 STC, Add</i>	9.42	
10 22 43 00-0007	SF		>1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	97.31	4.57
			<i>For 51 STC, Add</i>	9.19	
10 22 43 00-0008	SF		Up To 1,440 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	95.75	4.92
			<i>For 51 STC, Add</i>	8.90	
10 22 43 00-0009	SF		>1,440 To 2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	91.03	4.21
			<i>For 51 STC, Add</i>	8.62	
10 22 43 00-0010	SF		>2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	87.68	3.77
			<i>For 51 STC, Add</i>	8.40	
10 22 43 00-0011	SF		Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating Note: Includes type 3 pocket door, track and hardware. Hufcor 632.	132.69	7.97
			<i>For 51 STC, Add</i>	11.97	
10 22 43 00-0012	SF		>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating Note: Includes type 3 pocket door, track and hardware. Hufcor 632.	124.05	6.05
			<i>For 51 STC, Add</i>	11.65	
10 22 43 00-0013	SF		>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating Note: Includes type 3 pocket door, track and hardware. Hufcor 632.	118.74	5.10
			<i>For 51 STC, Add</i>	11.38	
10 22 43 00-0014	SF		Partitions, Operable Acoustical Single Or Paired Panel (Modernfold Acoustaseal 932S/931S)	69.84	8.82

**10 26 Wall and Door Protection** (10 20)**10 26 13 Corner Guards** (10 26)10 26 13 00-0001 Vinyl Corner Guards (10 26 13)10 26 13 00-0002 Rigid Vinyl Corner Guards (10 26 13 00-0001)10 26 13 00-0003 Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0002)10 26 13 00-0004 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0003)

10 26 13 00-0005	LF		3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34)	7.78	3.27
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100 To 200, Deduct</i>	-1.91	
			<i>For &gt;200, Deduct</i>	-2.57	
10 26 13 00-0006	LF		1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)	8.35	3.27
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100 To 200, Deduct</i>	-1.91	
			<i>For &gt;200, Deduct</i>	-2.60	
10 26 13 00-0007	LF		3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)	11.50	3.27
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100 To 200, Deduct</i>	-1.91	
			<i>For &gt;200, Deduct</i>	-2.76	
10 26 13 00-0008	LF		4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)	15.44	3.27
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100 To 200, Deduct</i>	-1.91	
			<i>For &gt;200, Deduct</i>	-2.95	

10 26 13 00-0009 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0003)

10 26 13 00-0010	LF		1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)	14.74	3.27
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100 To 200, Deduct</i>	-1.91	
			<i>For &gt;200, Deduct</i>	-2.92	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Wall and Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0011 Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0001)</small> Note: Includes closure caps.		
10 26 13 00-0012 Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0011)</small>		
10 26 13 00-0013 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small>		
10 26 13 00-0014 LF 2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20).....	14.59	4.90
For >50 To 100, Deduct	-2.04	
For >100 To 200, Deduct	-2.86	
For >200, Deduct	-4.00	
For Recycled Vinyl Retainer, Deduct	-1.28	
10 26 13 00-0015 LF 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10).....	16.34	4.90
For >50 To 100, Deduct	-2.04	
For >100 To 200, Deduct	-2.86	
For >200, Deduct	-4.09	
For Recycled Vinyl Retainer, Deduct	-1.63	
10 26 13 00-0016 LF Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30).....	18.09	4.90
For >50 To 100, Deduct	-2.04	
For >100 To 200, Deduct	-2.86	
For >200, Deduct	-4.17	
For Recycled Vinyl Retainer, Deduct	-1.98	
10 26 13 00-0017 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small>		
10 26 13 00-0018 LF 3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135).....	21.37	4.90
For >50 To 100, Deduct	-2.04	
For >100 To 200, Deduct	-2.86	
For >200, Deduct	-4.34	
For Recycled Vinyl Retainer, Deduct	-2.64	
10 26 13 00-0019 End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small> Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0020 LF 2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11).....	30.38	6.53
For >50 To 100, Deduct	-2.72	
For >100 To 200, Deduct	-3.81	
For >200, Deduct	-5.88	
For Recycled Vinyl Retainer, Deduct	-3.90	
10 26 13 00-0021 Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0011)</small>		
10 26 13 00-0022 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>		
10 26 13 00-0023 LF 2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72).....	19.63	4.90
For >50 To 100, Deduct	-2.04	
For >100 To 200, Deduct	-2.86	
For >200, Deduct	-4.25	
For Up To 2 HR Fire Rated, Add	8.02	
10 26 13 00-0024 LF 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7).....	23.79	4.90
For >50 To 100, Deduct	-2.04	
For >100 To 200, Deduct	-2.86	
For >200, Deduct	-4.46	
For Up To 2 HR Fire Rated, Add	10.93	
10 26 13 00-0025 LF Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32).....	22.00	4.90
For >50 To 100, Deduct	-2.04	
For >100 To 200, Deduct	-2.86	
For >200, Deduct	-4.37	
For Up To 2 HR Fire Rated, Add	9.68	
10 26 13 00-0026 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>		
10 26 13 00-0027 LF 3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75).....	25.56	4.90
For >50 To 100, Deduct	-2.04	
For >100 To 200, Deduct	-2.86	
For >200, Deduct	-4.55	
For Up To 2 HR Fire Rated, Add	12.17	

**10 Specialties****10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0028 End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small> Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0029 LF 2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG- 888) .....	53.99	6.53
For >50 To 100, Deduct	-2.72	
For >100 To 200, Deduct	-3.81	
For >200, Deduct	-7.06	
For Up To 2 HR Fire Rated, Add	30.17	
10 26 13 00-0030 Flexible Vinyl Corner Guards <small>(10 26 13 00-0001)</small> Note: Includes adhesive for installation.		
10 26 13 00-0031 Surface Mounted, Flexible Vinyl Corner Guards <small>(10 26 13 00-0030)</small>		
10 26 13 00-0032 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards <small>(10 26 13 00-0031)</small>		
10 26 13 00-0033 LF 1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9) .....	10.86	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-2.72	
For Bolting To Concrete Or Masonry, Add	2.45	
10 26 13 00-0034 LF 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3) .....	13.98	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-2.88	
For Bolting To Concrete Or Masonry, Add	2.91	
10 26 13 00-0035 LF 4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15) .....	16.52	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-3.01	
For Bolting To Concrete Or Masonry, Add	3.30	
10 26 13 00-0036 Polycarbonate Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0037 Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0036)</small>		
10 26 13 00-0038 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0037)</small>		
10 26 13 00-0039 LF 3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16) .....	7.08	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-2.53	
10 26 13 00-0040 LF 1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17) .....	8.61	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-2.61	
10 26 13 00-0041 LF 2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24) .....	10.40	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-2.70	
10 26 13 00-0042 LF 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18) .....	11.48	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-2.75	
10 26 13 00-0043 LF Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23) .....	11.08	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-2.73	
10 26 13 00-0044 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00- 0037)</small>		
10 26 13 00-0045 LF 2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19) .....	11.48	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-2.75	
10 26 13 00-0046 Aluminum Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0047 Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0046)</small>		
10 26 13 00-0048 90 Degree Angle, Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0047)</small>		
10 26 13 00-0049 LF 1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400) .....	10.19	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-2.69	
10 26 13 00-0050 LF 2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401) .....	12.26	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-2.79	





<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Wall and Door Protection</b>	<b>10 26</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0051 LF 3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	13.53 -1.36 -1.91 -2.86	3.27
<b>10 26 13 00-0052 135 Degree Angle, Surface Mounted, Aluminum Corner Guards</b> <small>(10 26 13 00-0047)</small>		
10 26 13 00-0053 LF 1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	10.19 -1.36 -1.91 -2.69	3.27
10 26 13 00-0054 LF 2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	12.26 -1.36 -1.91 -2.79	3.27
10 26 13 00-0055 LF 3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	13.53 -1.36 -1.91 -2.86	3.27
<b>10 26 13 00-0056 Steel Corner Guards</b> <small>(10 26 13)</small>		
<b>10 26 13 00-0057 Steel Angle Iron, Corner Guards</b> <small>(10 26 13 00-0056)</small>		
<b>10 26 13 00-0058 Surface Mounted, Steel Angle Iron, Corner Guards</b> <small>(10 26 13 00-0057)</small>		
<b>10 26 13 00-0059 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards</b> <small>(10 26 13 00-0058)</small>		
10 26 13 00-0060 LF 1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard ..... <i>For Galvanizing, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	13.23 2.35 -1.63 -2.29 -3.27	3.93
10 26 13 00-0061 LF 2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard ..... <i>For Galvanizing, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	16.85 3.42 -1.77 -2.48 -3.67	4.25
10 26 13 00-0062 LF 2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard ..... <i>For Galvanizing, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	17.92 3.70 -1.84 -2.57 -3.84	4.41
10 26 13 00-0063 LF 3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard ..... <i>For Galvanizing, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	18.33 3.75 -1.91 -2.67 -3.96	4.57
10 26 13 00-0064 LF 3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard ..... <i>For Galvanizing, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	22.86 5.24 -1.97 -2.76 -4.30	4.74
10 26 13 00-0065 LF 4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard ..... <i>For Galvanizing, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	27.42 6.74 -2.04 -2.86 -4.64	4.90
10 26 13 00-0066 LF 6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard ..... <i>For Galvanizing, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	46.81 12.57 -2.72 -3.81 -6.70	6.53
<b>10 26 13 00-0067 Stainless Steel Corner Guards</b> <small>(10 26 13)</small>		
<b>10 26 13 00-0068 Stainless Steel Corner Guards</b> <small>(10 26 13 00-0067)</small> Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.		
<b>10 26 13 00-0069 Surface Mounted, Stainless Steel Corner Guards</b> <small>(10 26 13 00-0068)</small>		
<b>10 26 13 00-0070 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards</b> <small>(10 26 13 00-0069)</small>		
10 26 13 00-0071 LF 1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	11.36 -1.36 -1.91 -2.75	3.27
10 26 13 00-0072 LF 2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	13.18 -1.36 -1.91 -2.84	3.27
10 26 13 00-0073 LF 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	17.92 -1.36 -1.91 -3.08	3.27

<b>10</b>	<b>10</b>	<b>Specialties</b>
	<b>10 20</b>	<b>Interior Specialties</b>
	<b>10 26</b>	<b>Wall and Door Protection</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26	13 00-0074	LF	Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550).....	17.92	3.27
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100 To 200, Deduct</i>	-1.91	
			<i>For &gt;200, Deduct</i>	-3.08	
10 26	13 00-0075		<b>135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards</b> <small>(10 26 13 00-0069)</small>		
10 26	13 00-0076	LF	3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600) .....	17.92	3.27
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100 To 200, Deduct</i>	-1.91	
			<i>For &gt;200, Deduct</i>	-3.08	
10 26	13 00-0077	LF	Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650).....	17.92	3.27
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100 To 200, Deduct</i>	-1.91	
			<i>For &gt;200, Deduct</i>	-3.08	
10 26	13 00-0078		<b>Stainless Steel Angle Iron, Corner Guards</b> <small>(10 26 13 00-0067)</small>		
10 26	13 00-0079		<b>Surface Mounted, Stainless Steel Angle Iron, Corner Guards</b> <small>(10 26 13 00-0078)</small>		
10 26	13 00-0080		<b>90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards</b> <small>(10 26 13 00-0079)</small>		
10 26	13 00-0081	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	22.00	3.93
			<i>For &gt;50 To 100, Deduct</i>	-1.63	
			<i>For &gt;100 To 200, Deduct</i>	-2.29	
			<i>For &gt;200, Deduct</i>	-3.71	
10 26	13 00-0082	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	36.40	4.25
			<i>For &gt;50 To 100, Deduct</i>	-1.77	
			<i>For &gt;100 To 200, Deduct</i>	-2.48	
			<i>For &gt;200, Deduct</i>	-4.65	
10 26	13 00-0083	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	50.77	4.41
			<i>For &gt;50 To 100, Deduct</i>	-1.84	
			<i>For &gt;100 To 200, Deduct</i>	-2.57	
			<i>For &gt;200, Deduct</i>	-5.48	
10 26	13 00-0084	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	47.43	4.57
			<i>For &gt;50 To 100, Deduct</i>	-1.91	
			<i>For &gt;100 To 200, Deduct</i>	-2.67	
			<i>For &gt;200, Deduct</i>	-5.42	
10 26	13 00-0085	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	67.66	4.74
			<i>For &gt;50 To 100, Deduct</i>	-1.97	
			<i>For &gt;100 To 200, Deduct</i>	-2.76	
			<i>For &gt;200, Deduct</i>	-6.54	
10 26	13 00-0086	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	62.55	4.90
			<i>For &gt;50 To 100, Deduct</i>	-2.04	
			<i>For &gt;100 To 200, Deduct</i>	-2.86	
			<i>For &gt;200, Deduct</i>	-6.40	
10 26	13 00-0087		<b>Rubber Corner Guards</b> <small>(10 26 13)</small> Note: Includes adhesive for installation.		
10 26	13 00-0088		<b>Natural Rubber Corner Guards</b> <small>(10 26 13 00-0087)</small>		
10 26	13 00-0089		<b>Surface Mounted, Natural Rubber Corner Guards</b> <small>(10 26 13 00-0088)</small>		
10 26	13 00-0090		<b>90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards</b> <small>(10 26 13 00-0089)</small>		
10 26	13 00-0091	LF	4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5).....	52.27	3.27
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100 To 200, Deduct</i>	-1.91	
			<i>For &gt;200, Deduct</i>	-4.79	
			<i>For Bolting To Concrete Or Masonry, Add</i>	8.66	
10 26	13 00-0092		<b>Styrene-Butadiene Rubber (SBR) Corner Guards</b> <small>(10 26 13 00-0087)</small>		
10 26	13 00-0093		<b>Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards</b> <small>(10 26 13 00-0092)</small>		
10 26	13 00-0094		<b>90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards</b> <small>(10 26 13 00-0093)</small>		
10 26	13 00-0095	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2).....	23.44	3.27
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100 To 200, Deduct</i>	-1.91	
			<i>For &gt;200, Deduct</i>	-3.35	
			<i>For Bolting To Concrete Or Masonry, Add</i>	4.33	
10 26	13 00-0096		<b>Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards</b> <small>(10 26 13 00-0087)</small>		
10 26	13 00-0097		<b>Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards</b> <small>(10 26 13 00-0096)</small>		



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Wall and Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 26 13 00-0098</b> 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards <small>(10 26 13 00-0097)</small>		
10 26 13 00-0099 LF 4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E).....	20.55	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-3.21	
For Bolting To Concrete Or Masonry, Add	3.90	
<b>10 26 16 Bumper Guards</b> <small>(10 26)</small>		
<b>10 26 16 13 Bumper Rails</b> <small>(10 26 16)</small>		
<b>10 26 16 13-0001</b> Crash Rails <small>(10 26 16 13)</small> Note: Includes end caps.		
<b>10 26 16 13-0002</b> Polycarbonate Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0003 LF 3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3).....	12.54	4.36
For >50 To 100, Deduct	-2.18	
For >100 To 200, Deduct	-3.05	
For >200, Deduct	-4.12	
10 26 16 13-0004 LF 4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4).....	13.89	4.36
For >50 To 100, Deduct	-2.18	
For >100 To 200, Deduct	-3.05	
For >200, Deduct	-4.18	
<b>10 26 16 13-0005</b> Aluminum Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0006 LF 4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100).....	37.46	4.36
For >50 To 100, Deduct	-2.18	
For >100 To 200, Deduct	-3.05	
For >200, Deduct	-5.36	
<b>10 26 16 13-0007</b> Stainless Steel Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0008 LF 4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100).....	66.19	4.36
For >50 To 100, Deduct	-2.18	
For >100 To 200, Deduct	-3.05	
For >200, Deduct	-6.80	
10 26 16 13-0009 LF 5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200).....	51.82	4.36
For >50 To 100, Deduct	-2.18	
For >100 To 200, Deduct	-3.05	
For >200, Deduct	-6.08	
<b>10 26 16 13-0010</b> Aluminum Crash Rails (Wallguard) <small>(10 26 16 13-0001)</small>		
10 26 16 13-0011 EA 2' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180).....	127.47	38.12
Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0012 EA 3' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180).....	135.87	40.31
Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0013 EA 4' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180).....	144.23	42.48
Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0014 EA 5' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180).....	239.93	44.66
Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0015 EA 6' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180).....	260.63	46.84
Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0016 EA 7' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180).....	269.03	49.01
Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0017 EA 8' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180).....	277.39	51.20
Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0018 EA 9' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180).....	298.15	53.37
Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0019 EA 10' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180).....	324.03	55.55
Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0020 EA 11' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180).....	344.73	57.73
Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0021 EA 12' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180).....	353.12	59.91
Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0022 EA 2' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180.6).....	160.02	38.12
Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0023	EA		3' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180.6).....	169.56	40.31
			Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0024	EA		4' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180.6).....	179.05	42.48
			Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0025	EA		5' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180.6).....	271.41	44.66
			Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0026	EA		6' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180.6).....	294.26	46.84
			Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0027	EA		7' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180.6).....	302.66	49.01
			Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0028	EA		8' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180.6).....	311.08	51.20
			Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0029	EA		9' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180.6).....	333.92	53.37
			Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0030	EA		10' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180.6).....	364.81	55.55
			Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0031	EA		11' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180.6).....	387.66	57.73
			Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0032	EA		12' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180.6).....	396.05	59.91
			Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0033	EA		2' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B).....	127.47	38.12
			Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0034	EA		3' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B).....	135.87	40.31
			Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0035	EA		4' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B).....	144.23	42.48
			Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0036	EA		5' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B).....	239.93	44.66
			Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0037	EA		6' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B).....	260.63	46.84
			Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0038	EA		7' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B).....	269.03	49.01
			Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0039	EA		8' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B).....	277.39	51.20
			Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0040	EA		9' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B).....	298.15	53.37
			Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0041	EA		10' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B).....	324.03	55.55
			Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0042	EA		11' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B).....	344.73	57.73
			Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0043	EA		12' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B).....	353.12	59.91
			Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0044	EA		2' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B.6).....	190.37	38.12
			Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0045	EA		3' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B.6).....	199.91	40.31
			Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0046	EA		4' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B.6).....	210.53	42.48
			Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0047	EA		5' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B.6).....	295.38	44.66
			Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0048	EA		6' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B.6).....	330.33	46.84
			Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0049	EA		7' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B.6).....	338.68	49.01
			Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0050	EA		8' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B.6).....	347.03	51.20
			Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).		



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Wall and Door Protection	10 26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0051	EA		9' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B.6).....	381.92	53.37
			Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0052	EA		10' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B.6).....	412.75	55.55
			Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0053	EA		11' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B.6).....	447.70	57.73
			Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).		
10 26 16 13-0054	EA		12' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B.6).....	456.04	59.91
			Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).		
<b>10 26 16 13-0055</b>			<b>Wall Guards</b> <small>(10 26 16 13)</small>		
<b>10 26 16 13-0056</b>			<b>Rigid Vinyl Wall Guards With Aluminum Retainers</b> <small>(10 26 16 13-0055)</small>		
			Note: Includes end caps.		
10 26 16 13-0057	LF		1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1).....	13.02	3.82
			For >50 To 100, Deduct	-1.91	
			For >100 To 200, Deduct	-2.67	
			For >200, Deduct	-3.70	
10 26 16 13-0058	LF		3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3).....	15.88	4.36
			For >50 To 100, Deduct	-2.18	
			For >100 To 200, Deduct	-3.05	
			For >200, Deduct	-4.28	
10 26 16 13-0059	LF		4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4).....	17.22	4.36
			For >50 To 100, Deduct	-2.18	
			For >100 To 200, Deduct	-3.05	
			For >200, Deduct	-4.35	
10 26 16 13-0060	LF		5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5).....	17.95	4.36
			For >50 To 100, Deduct	-2.18	
			For >100 To 200, Deduct	-3.05	
			For >200, Deduct	-4.39	
10 26 16 13-0061	LF		6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6).....	21.48	4.63
			For >50 To 100, Deduct	-2.32	
			For >100 To 200, Deduct	-3.24	
			For >200, Deduct	-4.78	
10 26 16 13-0062	LF		8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7).....	21.59	4.63
			For >50 To 100, Deduct	-2.32	
			For >100 To 200, Deduct	-3.24	
			For >200, Deduct	-4.78	
10 26 16 13-0063	LF		7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8).....	22.24	4.63
			For >50 To 100, Deduct	-2.32	
			For >100 To 200, Deduct	-3.24	
			For >200, Deduct	-4.82	
10 26 16 13-0064	LF		12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12).....	26.82	4.90
			For >50 To 100, Deduct	-2.45	
			For >100 To 200, Deduct	-3.43	
			For >200, Deduct	-5.26	
<b>10 26 16 13-0065</b>			<b>Rubber Wall Guards</b> <small>(10 26 16 13-0055)</small>		
<b>10 26 16 13-0066</b>			<b>D-Shaped, Rubber Wall Guards</b> <small>(10 26 16 13-0065)</small>		
10 26 16 13-0067	LF		2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2).....	17.61	3.82
			For >50 To 100, Deduct	-1.91	
			For >100 To 200, Deduct	-2.67	
			For >200, Deduct	-3.93	
10 26 16 13-0068	LF		3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3).....	25.96	4.36
			For >50 To 100, Deduct	-2.18	
			For >100 To 200, Deduct	-3.05	
			For >200, Deduct	-4.79	
10 26 16 13-0069	LF		4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4).....	38.39	4.36
			For >50 To 100, Deduct	-2.18	
			For >100 To 200, Deduct	-3.05	
			For >200, Deduct	-5.41	
10 26 16 13-0070	LF		6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6).....	54.05	4.36
			For >50 To 100, Deduct	-2.18	
			For >100 To 200, Deduct	-3.05	
			For >200, Deduct	-6.19	
<b>10 26 16 13-0071</b>			<b>Rectangular, Rubber Wall Guards</b> <small>(10 26 16 13-0065)</small>		
10 26 16 13-0072	LF		8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1).....	41.09	4.63
			For >50 To 100, Deduct	-2.32	
			For >100 To 200, Deduct	-3.24	
			For >200, Deduct	-5.76	
10 26 16 13-0073	LF		9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2).....	51.90	4.90
			For >50 To 100, Deduct	-2.45	
			For >100 To 200, Deduct	-3.43	
			For >200, Deduct	-6.52	
<b>10 26 16 13-0074</b>			<b>Wing Type, Rubber Wall Guards</b> <small>(10 26 16 13-0065)</small>		

**10 Specialties**  
**10 20 Interior Specialties**  
**10 26 Wall and Door Protection**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0075	LF		6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	67.63 -2.18 -3.05 -6.87	4.36
10 26 16 13-0076	LF		6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	71.94 -2.18 -3.05 -7.09	4.36
10 26 16 13-0077	LF		3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	32.74 -1.91 -2.67 -4.69	3.82
<b>10 26 16 13-0078</b>			<b>U-Shaped, Rubber Wall Guards</b> <small>(10 26 16 13-0065)</small>		
10 26 16 13-0079	LF		3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	57.03 -2.32 -3.24 -6.56	4.63
10 26 16 13-0080	LF		4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	63.86 -2.32 -3.24 -6.90	4.63
<b>10 26 16 13-0081</b>			<b>Accent Rails</b> <small>(10 26 16 13)</small> Note: Includes end caps.		
<b>10 26 16 13-0082</b>			<b>Oval, Rigid Vinyl Accent Rails With Aluminum Retainers</b> <small>(10 26 16 13-0081)</small>		
10 26 16 13-0083	LF		1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	15.36 -1.91 -2.67 -3.82	3.82
10 26 16 13-0084	LF		2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	15.39 -1.91 -2.67 -3.82	3.82
10 26 16 13-0085	LF		2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	22.01 -1.91 -2.67 -4.15	3.82
<b>10 26 16 16</b>			<b>Protective Corridor Handrails</b> <small>(10 26 16)</small>		
<b>10 26 16 16-0001</b>			<b>Protective Corridor Handrails</b> <small>(10 26 16 16)</small>		
<b>10 26 16 16-0002</b>			<b>Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers</b> <small>(10 26 16 16-0001)</small>		
10 26 16 16-0003	LF		1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	28.55 -4.09 -5.72 -7.96	8.17
10 26 16 16-0004	EA		End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn) ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	25.06 -4.09 -5.72 -7.79	8.17
10 26 16 16-0005	LF		5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	39.02 -4.09 -5.72 -8.49	8.17
10 26 16 16-0006	EA		End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn) ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	32.04 -4.09 -5.72 -8.14	8.17
10 26 16 16-0007	LF		6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	40.77 -4.09 -5.72 -8.57	8.17
10 26 16 16-0008	EA		End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn) ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	44.26 -4.09 -5.72 -8.75	8.17
10 26 16 16-0009	LF		6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	52.98 -4.09 -5.72 -9.19	8.17
10 26 16 16-0010	EA		End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn) ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	58.22 -4.09 -5.72 -9.45	8.17
<b>10 26 16 16-0011</b>			<b>Stainless Steel Protective Corridor Handrails</b> <small>(10 26 16 16-0001)</small>		



<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Wall and Door Protection</b>	<b>10 26</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 16-0012 LF 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS) .....	70.43	8.17
<i>For &gt;50 To 100, Deduct</i>	-4.09	
<i>For &gt;100 To 200, Deduct</i>	-5.72	
<i>For &gt;200, Deduct</i>	-10.06	
10 26 16 16-0013 EA End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn).....	72.18	8.17
<i>For &gt;25 To 50, Deduct</i>	-4.09	
<i>For &gt;50 To 100, Deduct</i>	-5.72	
<i>For &gt;100, Deduct</i>	-10.15	
<b>10 26 16 16-0014 Hardwood Protective Corridor Handrails</b> <small>(10 26 16 16-0001)</small>		
Note: Includes end caps.		
10 26 16 16-0015 LF 4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C) .....	30.23	5.71
<i>For &gt;50 To 100, Deduct</i>	-2.86	
<i>For &gt;100 To 200, Deduct</i>	-4.00	
<i>For &gt;200, Deduct</i>	-6.08	
<i>For Maple, Add</i>	0.56	
10 26 16 16-0016 LF 5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500).....	36.34	6.09
<i>For &gt;50 To 100, Deduct</i>	-3.05	
<i>For &gt;100 To 200, Deduct</i>	-4.26	
<i>For &gt;200, Deduct</i>	-6.69	
10 26 16 16-0017 LF 1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500) .....	26.21	5.71
<i>For &gt;50 To 100, Deduct</i>	-2.86	
<i>For &gt;100 To 200, Deduct</i>	-4.00	
<i>For &gt;200, Deduct</i>	-5.88	
<i>For Maple, Add</i>	6.36	
<i>For Oak, Add</i>	7.10	
<b>10 26 23 Protective Wall Covering</b> <small>(10 26)</small>		
<b>10 26 23 13 Impact Resistant Wall Protection</b> <small>(10 26 23)</small>		
10 26 23 13-0001 Impact Resistant Wall Protection <small>(10 26 23 13)</small>		
Note: Includes standard trim.		
10 26 23 13-0002 SF 0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30).....	8.31	2.73
10 26 23 13-0003 SF 0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40).....	8.66	2.73
10 26 23 13-0004 SF 0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60).....	10.68	2.73
10 26 23 13-0005 Interior Polyvinyl Chloride (PVC) Soffit System <small>(10 26 23 13)</small>		
Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.		
10 26 23 13-0006 "L" Design <small>(10 26 23 13-0005)</small>		
10 26 23 13-0007 L-Shield <small>(10 26 23 13-0006)</small>		
10 26 23 13-0008 LF 2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe.....	16.02	2.73
10 26 23 13-0009 LF 3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe.....	18.45	3.82
10 26 23 13-0010 LF 3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe.....	24.24	4.90
10 26 23 13-0011 LF 5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe.....	33.37	5.99
10 26 23 13-0012 "Combo" Hanger <small>(10 26 23 13-0006)</small>		
10 26 23 13-0013 EA Combination "Combo" Hanger, L-Support, For 3/4" Pipe .....	17.34	5.45
10 26 23 13-0014 EA Combination "Combo" Hanger, L-Support, For 1" Pipe .....	20.03	6.54
10 26 23 13-0015 EA Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe .....	23.12	7.62
10 26 23 13-0016 EA Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe .....	25.68	8.72
10 26 23 13-0017 EA Combination "Combo" Hanger, L-Support, For 2" Pipe .....	28.77	9.81
10 26 23 13-0018 Snap-2 Pipe Hanger <small>(10 26 23 13-0006)</small>		
10 26 23 13-0019 EA Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe.....	14.25	5.45
10 26 23 13-0020 EA Snap-2 Pipe Hanger, L-Support, For 1" Pipe.....	17.32	6.54
10 26 23 13-0021 EA Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe.....	20.16	7.62
10 26 23 13-0022 EA Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe.....	23.49	8.72
10 26 23 13-0023 EA Snap-2 Pipe Hanger, L-Support, For 2" Pipe.....	26.97	9.81
10 26 23 13-0024 Coupling <small>(10 26 23 13-0006)</small>		
10 26 23 13-0025 EA Coupling, L-Shield, 1" Shield Size .....	9.45	2.73
10 26 23 13-0026 EA Coupling, L-Shield, 1-1/4" Shield Size .....	13.68	3.82
10 26 23 13-0027 EA Coupling, L-Shield, 2" Shield Size .....	19.73	4.90
10 26 23 13-0028 EA Coupling, L-Shield, 2-1/2" Shield Size .....	24.74	5.99
10 26 23 13-0029 Coupling, Reducer <small>(10 26 23 13-0006)</small>		
10 26 23 13-0030 EA Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size .....	27.16	3.27
10 26 23 13-0031 EA Coupling, Reducing, L-Shield, 2" x 1" Shield Size .....	33.40	3.82
10 26 23 13-0032 EA Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size .....	39.65	4.36
10 26 23 13-0033 EA Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size .....	156.28	5.45

**10 Specialties****10 20 Interior Specialties****10 26 Wall and Door Protection**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>10 26 23 13-0034</b>	<b>Shield Clips</b> <small>(10 26 23 13-0006)</small>			
10 26 23 13-0035	EA Shield Clips, L-Support, 1" Shield Size.....	5.72	1.63	
10 26 23 13-0036	EA Shield Clips, L-Support, 1-1/4" Shield Size.....	8.54	2.73	
10 26 23 13-0037	EA Shield Clips, L-Support, 2" Shield Size.....	11.23	3.82	
10 26 23 13-0038	EA Shield Clips, L-Support, 2-1/2" Shield Size.....	12.65	4.90	
<b>10 26 23 13-0039</b>	<b>Wall Flange</b> <small>(10 26 23 13-0006)</small>			
10 26 23 13-0040	EA Wall Flange, L-Shield, 1" Shield Size.....	9.19	2.73	
10 26 23 13-0041	EA Wall Flange, L-Shield, 1-1/4" Shield Size.....	13.16	3.82	
10 26 23 13-0042	EA Wall Flange, L-Shield, 2" Shield Size.....	19.22	4.90	
10 26 23 13-0043	EA Wall Flange, L-Shield, 2-1/2" Shield Size.....	81.14	5.99	
<b>10 26 23 13-0044</b>	<b>End Cap</b> <small>(10 26 23 13-0006)</small>			
10 26 23 13-0045	EA End Cap, L-Shield, 1" Shield Size.....	9.59	1.63	
10 26 23 13-0046	EA End Cap, L-Shield, 1-1/4" Shield Size.....	12.67	2.73	
10 26 23 13-0047	EA End Cap, L-Shield, 2" Shield Size.....	17.54	3.82	
10 26 23 13-0048	EA End Cap, L-Shield, 2-1/2" Shield Size.....	82.76	4.90	
<b>10 26 23 13-0049</b>	<b>Inside/Outside Corner</b> <small>(10 26 23 13-0006)</small>			
10 26 23 13-0050	EA Inside/Outside Corner, L-Shield, 1" Shield Size.....	60.26	5.45	
10 26 23 13-0051	EA Inside/Outside Corner, L-Shield, 1-1/4" Shield Size.....	64.88	6.54	
10 26 23 13-0052	EA Inside/Outside Corner, L-Shield, 2" Shield Size.....	78.34	8.18	
10 26 23 13-0053	EA Inside/Outside Corner, L-Shield, 2-1/2" Shield Size.....	137.55	9.81	
<b>10 26 23 13-0054</b>	<b>Joiner</b> <small>(10 26 23 13-0006)</small>			
10 26 23 13-0055	LF Joiner, L-Shield.....	12.42	1.63	
<b>10 26 23 13-0056</b>	<b>"U" Design</b> <small>(10 26 23 13-0005)</small>			
<b>10 26 23 13-0057</b>	<b>U-Shield</b> <small>(10 26 23 13-0056)</small>			
10 26 23 13-0058	LF 2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe.....	19.37	2.73	
10 26 23 13-0059	LF 2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe.....	24.12	3.82	
10 26 23 13-0060	LF 3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe.....	30.82	3.82	
<b>10 26 23 13-0061</b>	<b>"Combo" Hanger</b> <small>(10 26 23 13-0056)</small>			
10 26 23 13-0062	EA Combination "Combo" Hanger, U-Support For 3/4" Pipe.....	14.90	5.45	
10 26 23 13-0063	EA Combination "Combo" Hanger, U-Support For 1" Pipe.....	17.71	6.54	
10 26 23 13-0064	EA Combination "Combo" Hanger, U-Support For 1-1/4" Pipe.....	20.42	7.62	
10 26 23 13-0065	EA Combination "Combo" Hanger, U-Support For 1-1/2" Pipe.....	25.29	8.72	
10 26 23 13-0066	EA Combination "Combo" Hanger, U-Support For 2" Pipe.....	28.64	9.81	
<b>10 26 23 13-0067</b>	<b>Snap-2 Pipe Hanger</b> <small>(10 26 23 13-0056)</small>			
10 26 23 13-0068	EA Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe.....	13.99	5.45	
10 26 23 13-0069	EA Snap-2 Pipe Hanger, U-Support, For 1" Pipe.....	17.07	6.54	
10 26 23 13-0070	EA Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe.....	20.80	7.62	
10 26 23 13-0071	EA Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe.....	23.23	8.72	
10 26 23 13-0072	EA Snap-2 Pipe Hanger, U-Support, For 2" Pipe.....	26.84	9.81	
<b>10 26 23 13-0073</b>	<b>Coupling</b> <small>(10 26 23 13-0056)</small>			
10 26 23 13-0074	EA Coupling, U-Shield, 1" Shield Size.....	11.25	2.73	
10 26 23 13-0075	EA Coupling, U-Shield, 1-1/4" Shield Size.....	14.06	3.82	
10 26 23 13-0076	EA Coupling, U-Shield, 2" Shield Size.....	17.16	4.90	
<b>10 26 23 13-0077</b>	<b>Coupling, Reducer</b> <small>(10 26 23 13-0056)</small>			
10 26 23 13-0078	EA Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size.....	32.32	3.27	
10 26 23 13-0079	EA Reducing Coupling, U-Shield, 2" x 1" Shield Size.....	38.55	3.82	
10 26 23 13-0080	EA Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size.....	40.94	4.36	
<b>10 26 23 13-0081</b>	<b>Shield Clips</b> <small>(10 26 23 13-0056)</small>			
10 26 23 13-0082	EA Shield Clips, U-Support, 1" Shield Size.....	5.20	1.63	
10 26 23 13-0083	EA Shield Clips, U-Support, 1-1/4" Shield Size.....	7.64	2.73	
10 26 23 13-0084	EA Shield Clips, U-Support, 2" Shield Size.....	10.07	3.82	
<b>10 26 23 13-0085</b>	<b>Wall Flange</b> <small>(10 26 23 13-0056)</small>			
10 26 23 13-0086	EA Wall Flange, U-Shield, 1" Shield Size.....	10.86	2.73	
10 26 23 13-0087	EA Wall Flange, U-Shield, 1-1/4" Shield Size.....	13.94	3.82	
10 26 23 13-0088	EA Wall Flange, U-Shield, 2" Shield Size.....	17.03	4.90	





<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Wall and Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 26 23 13-0089</b> <b>End Cap</b> <small>(10 26 23 13-0056)</small>		
10 26 23 13-0090 EA End Cap, U-Shield, 1" Shield Size.....	10.23	1.63
10 26 23 13-0091 EA End Cap, U-Shield, 1-1/4" Shield Size.....	13.70	2.73
10 26 23 13-0092 EA End Cap, U-Shield, 2" Shield Size.....	17.03	3.82
<b>10 26 23 13-0093</b> <b>Inside/Outside Corner</b> <small>(10 26 23 13-0056)</small>		
10 26 23 13-0094 EA Inside/Outside Corner, U-Shield, 1" Shield Size.....	75.86	5.45
10 26 23 13-0095 EA Inside/Outside Corner, U-Shield, 1-1/4" Shield Size.....	84.34	6.54
10 26 23 13-0096 EA Inside/Outside Corner, U-Shield, 2" Shield Size.....	99.74	8.18
<b>10 26 23 13-0097</b> <b>Elbow</b> <small>(10 26 23 13-0056)</small>		
10 26 23 13-0098 EA Elbow, U-Shield, 1" Shield Size.....	74.44	5.45
10 26 23 13-0099 EA Elbow, U-Shield, 1-1/4" Shield Size.....	81.76	6.54
10 26 23 13-0100 EA Elbow, U-Shield, 2" Shield Size.....	97.29	8.18
<b>10 26 23 13-0101</b> <b>Tee</b> <small>(10 26 23 13-0056)</small>		
10 26 23 13-0102 EA Tee, U-Shield, 1" x 1" x 1" Shield Size.....	94.06	8.18
10 26 23 13-0103 EA Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size.....	104.55	9.81
10 26 23 13-0104 EA Tee, U-Shield, 2" x 2" x 2" Shield Size.....	122.05	11.98
10 26 23 13-0105 EA Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size.....	124.20	9.27
10 26 23 13-0106 EA Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size.....	133.85	11.44
<b>10 26 23 13-0107</b> <b>Cross</b> <small>(10 26 23 13-0056)</small>		
10 26 23 13-0108 EA Cross, U-Shield, 1" Shield Size.....	170.65	10.90
10 26 23 13-0109 EA Cross, U-Shield, 1-1/4" Shield Size.....	191.12	13.07
10 26 23 13-0110 EA Cross, U-Shield, 2" Shield Size.....	232.20	16.35
10 26 23 13-0111 EA Cross, U-Shield, 1-1/4" x 1" Shield Size.....	234.30	11.98
10 26 23 13-0112 EA Cross, U-Shield, 2" x 1-1/4" Shield Size.....	257.55	14.71
<b>10 26 23 13-0113</b> <b>Transition Fittings (L to U Or U to L)</b> <small>(10 26 23 13-0005)</small>		
<b>10 26 23 13-0114</b> <b>Coupling Transition</b> <small>(10 26 23 13-0113)</small>		
10 26 23 13-0115 EA Transition Coupling, 1" x 1", LxU or UxL.....	28.91	2.73
10 26 23 13-0116 EA Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL.....	32.62	3.82
10 26 23 13-0117 EA Transition Coupling, 2" x 2", LxU or UxL.....	40.61	4.90
10 26 23 13-0118 EA Transition Coupling, 1" x 1-1/4", LxU or UxL.....	32.70	3.27
10 26 23 13-0119 EA Transition Coupling, 1-1/4" x 2", LxU or UxL.....	40.68	4.36
10 26 23 13-0120 EA Transition Coupling, 2" x 2-1/2", LxU or UxL.....	163.62	5.45
<b>10 26 23 13-0121</b> <b>Elbow Transition</b> <small>(10 26 23 13-0113)</small>		
10 26 23 13-0122 EA Transition Elbow, 1" x 1" (UxL).....	100.34	5.45
10 26 23 13-0123 EA Transition Elbow, 1-1/4" x 1-1/4" (UxL).....	108.70	6.54
10 26 23 13-0124 EA Transition Elbow, 2" x 2" (UxL).....	127.44	8.18
10 26 23 13-0125 EA Transition Elbow, 1" x 1-1/4" (UxL).....	156.33	5.99
10 26 23 13-0126 EA Transition Elbow, 1-1/4" x 1" (UxL).....	110.44	5.99
10 26 23 13-0127 EA Transition Elbow, 1-1/4" x 2" (UxL).....	165.02	7.62
10 26 23 13-0128 EA Transition Elbow, 2" x 1-1/4" (UxL).....	127.77	7.62
10 26 23 13-0129 EA Transition Elbow, 2" x 2-1/2" (UxL).....	198.38	8.72
<b>10 26 23 13-0130</b> <b>Tee Transition</b> <small>(10 26 23 13-0113)</small>		
10 26 23 13-0131 EA Transition Tee, 1" x 1" x 1" (LxLxU).....	114.81	8.18
10 26 23 13-0132 EA Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU).....	132.78	9.81
10 26 23 13-0133 EA Transition Tee, 2" x 2" x 2" (LxLxU).....	154.40	11.98
10 26 23 13-0134 EA Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU).....	121.24	9.27
10 26 23 13-0135 EA Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU).....	190.83	10.35
10 26 23 13-0136 EA Transition Tee, 2" x 2" x 1-1/4" (LxLxU).....	135.01	11.44
10 26 23 13-0137 EA Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU).....	184.47	13.63
<b>10 26 23 13-0138</b> <b>Fittings (L Or U)</b> <small>(10 26 23 13-0005)</small>		
<b>10 26 23 13-0139</b> <b>Hugger Hangers For Steel Pipe</b> <small>(10 26 23 13-0138)</small>		
10 26 23 13-0140 EA Hugger Hanger, For 1/2" Steel Pipe.....	11.43	4.36
10 26 23 13-0141 EA Hugger Hanger, For 3/4" Steel Pipe.....	14.25	5.45
10 26 23 13-0142 EA Hugger Hanger, For 1" Steel Pipe.....	16.68	6.54
10 26 23 13-0143 EA Hugger Hanger, For 1-1/4" Steel Pipe.....	19.26	7.62
10 26 23 13-0144 EA Hugger Hanger, For 1-1/2" Steel Pipe.....	21.68	8.72
10 26 23 13-0145 EA Hugger Hanger, For 2" Steel Pipe.....	24.39	8.72
10 26 23 13-0146 EA Hugger Hanger, For 2-1/2" Steel Pipe.....	26.82	10.90
10 26 23 13-0147 EA Hugger Hanger, For 3" Steel Pipe.....	33.76	11.98

**10 Specialties**  
**10 20 Interior Specialties**  
 10 26 Wall and Door Protection



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>10 26 23 13-0148</b>	<b>Hugger Hangers For Copper Pipe</b> (10 26 23 13-0138)		
10 26 23 13-0149	EA 1/2" Copper Pipe, Hugger Hanger .....	11.56	4.36
10 26 23 13-0150	EA 3/4" Copper Pipe, Hugger Hanger .....	14.38	5.45
10 26 23 13-0151	EA 1" Copper Pipe, Hugger Hanger .....	16.81	6.54
10 26 23 13-0152	EA 1-1/4" Copper Pipe, Hugger Hanger .....	19.38	7.62
10 26 23 13-0153	EA 1-1/2" Copper Pipe, Hugger Hanger .....	21.81	8.72
10 26 23 13-0154	EA 2" Copper Pipe, Hugger Hanger .....	24.65	9.81
10 26 23 13-0155	EA 2-1/2" Copper Pipe, Hugger Hanger .....	27.07	10.90
10 26 23 13-0156	EA 3" Copper Pipe, Hugger Hanger .....	34.15	11.98

<b>10 26 23 13-0157</b>	<b>Shield Extension (L Or U)</b> (10 26 23 13-0138)		
10 26 23 13-0158	LF Shield Extension .....	15.13	1.63

<b>10 26 23 13-0159</b>	<b>Interior Steel Soffit System</b> (10 26 23 13)		
Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.			
10 26 23 13-0160	SF 24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel).....	28.54	4.90
	For 22 Gauge Steel, Add	1.87	
	For 20 Gauge Steel, Add	4.01	
	For 18 Gauge Steel, Add	7.87	
	For 16 Gauge Steel, Add	12.08	
	For Stainless Steel, Add	4.68	
10 26 23 13-0161	EA U-Shield Wall Flange (JG Innovations Soffi-Steel).....	44.30	13.63
	For Stainless Steel, Add	4.27	
10 26 23 13-0162	EA U-Shield Corner (JG Innovations Soffi-Steel) .....	113.41	16.35
	For Stainless Steel, Add	19.91	
10 26 23 13-0163	EA U-Shield End Cap (JG Innovations Soffi-Steel) .....	34.55	8.18
	For Stainless Steel, Add	4.55	
10 26 23 13-0164	EA U-Shield Clip (JG Innovations Soffi-Steel) .....	7.27	3.27
	For Stainless Steel, Add	0.18	
10 26 23 13-0165	SF 24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel) .....	32.52	4.90
	For 22 Gauge Steel, Add	1.70	
	For 20 Gauge Steel, Add	3.63	
	For 18 Gauge Steel, Add	7.04	
	For 16 Gauge Steel, Add	11.81	
	For Stainless Steel, Add	5.68	
10 26 23 13-0166	EA L-Shield Wall Flange (JG Innovations Soffi-Steel) .....	44.30	13.63
	For Stainless Steel, Add	4.27	
10 26 23 13-0167	EA L-Shield Corner (JG Innovations Soffi-Steel) .....	113.41	16.35
	For Stainless Steel, Add	19.91	
10 26 23 13-0168	EA L-Shield End Cap (JG Innovations Soffi-Steel) .....	30.18	5.99
	For Stainless Steel, Add	4.55	
10 26 23 13-0169	EA L-Shield Clip (JG Innovations Soffi-Steel) .....	7.27	3.27
	For Stainless Steel, Add	0.18	

**10 26 41 Bullet Resistant Panels** (10 26)

<b>10 26 41 00-0001</b>	<b>Laminated Bullet Resistant Fiberglass Panel</b> (10 26 41)		
Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.			
10 26 41 00-0002	SF 1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 LB/SF.....	20.99	1.53
10 26 41 00-0003	SF 3/16" Thick Ballistic Resistant Fiberglass Panel, 2 LB/SF.....	28.82	1.65
10 26 41 00-0004	SF 1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 LB/SF .....	32.59	1.76
10 26 41 00-0005	SF 5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 LB/SF .....	34.68	1.87
10 26 41 00-0006	SF 3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 LB/SF .....	37.57	1.97
10 26 41 00-0007	SF 7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 LB/SF .....	40.45	2.08
10 26 41 00-0008	SF 9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 LB/SF .....	68.73	2.52
10 26 41 00-0009	SF 1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 LB/SF .....	98.77	3.95
10 26 41 00-0010	SF 1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 LB/SF .....	117.48	4.72
10 26 41 00-0011	SF 1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 LB/SF .....	141.73	5.16
10 26 41 00-0012	SF 1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 LB/SF .....	161.27	5.49

**10 28 Toilet, Bath, and Laundry Accessories** (10 20)

**10 28 13 Toilet Accessories** (10 28)

**10 28 13 13 Commercial Toilet Accessories** (10 28 13)

<b>10 28 13 13-0001</b>	<b>Toilet Accessories</b> (10 28 13 13)		
<b>10 28 13 13-0002</b>	<b>Dispensers</b> (10 28 13 13-0001)		
<b>10 28 13 13-0003</b>	<b>Paper Towel Dispensers</b> (10 28 13 13-0002)		
<b>10 28 13 13-0004</b>	<b>Stainless Steel Paper Towel Dispensers</b> (10 28 13 13-0003)		
10 28 13 13-0005	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262).....	109.51	24.51
10 28 13 13-0006	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620) .....	117.14	24.51
10 28 13 13-0007	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621) .....	118.27	24.51



<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Toilet, Bath, and Laundry Accessories</b>	<b>10 28</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0008 EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212) .....	120.46	24.51
10 28 13 13-0009 EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263).....	180.75	24.51
10 28 13 13-0010 EA Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359) .....	194.76	24.51
10 28 13 13-0011 EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262) .....	213.67	24.51
10 28 13 13-0012 EA Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526) .....	221.82	10.89
10 28 13 13-0013 EA Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318) .....	371.45	24.51
10 28 13 13-0014 EA Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860) .....	439.43	24.51
10 28 13 13-0015 EA Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369) .....	472.95	24.51
10 28 13 13-0016 EA Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466) .....	269.25	24.51
10 28 13 13-0017 EA Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476) .....	148.63	13.62
<b>10 28 13 13-0018 Plastic Paper Towel Dispensers (10 28 13 13-0003)</b>		
10 28 13 13-0019 EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B- 5262) .....	83.50	24.51
10 28 13 13-0020 EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B- 52860) .....	171.14	24.51
10 28 13 13-0021 EA Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860).....	169.96	24.51
10 28 13 13-0022 EA Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462) .....	144.76	24.51
<b>10 28 13 13-0023 Aluminum Paper Towel Dispensers (10 28 13 13-0003)</b>		
10 28 13 13-0024 EA Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253).....	91.14	24.51
<b>10 28 13 13-0025 Toilet Tissue Dispensers (10 28 13 13-0002)</b>		
<b>10 28 13 13-0026 Plastic Toilet Tissue Dispensers (10 28 13 13-0025)</b>		
10 28 13 13-0027 EA Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B- 5288) .....	83.22	24.51
10 28 13 13-0028 EA Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250).....	196.89	24.51
10 28 13 13-0029 EA Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia- Pacific Compact® 56760).....	72.14	24.51
10 28 13 13-0030 EA Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784) .....	85.15	24.51
<b>10 28 13 13-0031 Cast Aluminum Toilet Tissue Dispensers (10 28 13 13-0025)</b>		
10 28 13 13-0032 EA Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B- 2730) .....	75.31	24.51
10 28 13 13-0033 EA Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273).....	75.87	24.51
10 28 13 13-0034 EA Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740) .....	79.83	24.51
10 28 13 13-0035 EA Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274).....	87.18	24.51
10 28 13 13-0036 EA Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B- 27460) .....	114.31	24.51
<b>10 28 13 13-0037 Stainless Steel Toilet Tissue Dispensers (10 28 13 13-0025)</b>		
10 28 13 13-0038 EA Single Roll, Surface Mounted, Vandal Resistant, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264) .....	64.28	24.51
10 28 13 13-0039 EA Double Roll, Surface Mounted, Toilet Tissue Dispenser With Utility Shelf (Bobrick B-540).....	181.05	24.51
10 28 13 13-0040 EA Single Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (Bobrick B-543).....	105.98	24.51
10 28 13 13-0041 EA Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663).....	101.03	24.51
10 28 13 13-0042 EA Single Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-685) .....	109.65	24.51
10 28 13 13-0043 EA Double Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-686).....	143.88	27.23
10 28 13 13-0044 EA Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6857) .....	109.65	24.51
10 28 13 13-0045 EA Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6867) .....	143.88	24.51
10 28 13 13-0046 EA Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hood (Bobrick B-66997) .....	154.88	24.51
10 28 13 13-0047 EA Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B- 6999) .....	241.20	24.51
10 28 13 13-0048 EA Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B- 69997) .....	241.20	24.51
10 28 13 13-0049 EA Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890).....	101.21	24.51
10 28 13 13-0050 EA Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272) .....	118.55	24.51
10 28 13 13-0051 EA Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265) .....	74.73	24.51
10 28 13 13-0052 EA Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888) .....	127.32	24.51
10 28 13 13-0053 EA Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888).....	179.21	24.51
10 28 13 13-0054 EA Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288) .....	187.54	24.51
10 28 13 13-0055 EA Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388).....	237.46	24.51
10 28 13 13-0056 EA Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892) .....	219.41	24.51
10 28 13 13-0057 EA Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386) .....	339.50	24.51
Note: Mounts centered through toilet partitions.		
10 28 13 13-0058 EA Multi-Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser With Shelf (Bobrick B-2840).....	146.55	24.51
10 28 13 13-0059 EA Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782) .....	135.49	24.51
10 28 13 13-0060 EA Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796) .....	109.26	24.51
10 28 13 13-0061 EA Two Roll, Recessed Mount, Stainless Steel Toilet Tissue Dispenser (Gamco TTD-9).....	591.24	38.12

For Owner Furnished Material, Deduct

-514.99

**10 Specialties****10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13	13-0062		<b>Soap or Sanitizer Dispensers</b> (10 28 13 13-0002)		
10 28 13	13-0063	EA	20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221).....	99.62	24.51
			For 34 Fluid Ounce (B-822), Add	4.70	
10 28 13	13-0064	EA	20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216).....	108.10	24.51
			For 34 Fluid Ounce (B-822), Add	4.70	
10 28 13	13-0065	EA	24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156).....	67.39	24.51
10 28 13	13-0066	EA	24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155).....	73.32	24.51
10 28 13	13-0067	EA	40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40).....	88.56	24.51
10 28 13	13-0068	EA	40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42).....	91.01	24.51
10 28 13	13-0069	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112).....	101.31	24.51
10 28 13	13-0070	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112).....	128.17	24.51
10 28 13	13-0071	EA	45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306).....	218.51	24.51
10 28 13	13-0072	EA	50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063).....	348.83	24.51
10 28 13	13-0073	EA	800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18).....	216.05	24.51
			Note: Includes start-up kit.		
10 28 13	13-0074		<b>Sanitizer Dispensers</b> (10 28 13 13-0002)		
10 28 13	13-0075		<b>Manual Sanitizer Dispensers</b> (10 28 13 13-0074)		
10 28 13	13-0076	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Liquid Hand Sanitizer Dispenser (Purell 5020-01).....	77.80	24.51
10 28 13	13-0077	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Foam Hand Sanitizer Dispenser (Purell 4510-00).....	79.01	24.51
10 28 13	13-0078	EA	1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purell 8824-06-UV).....	78.63	24.51
10 28 13	13-0079		<b>Automatic Sanitizer Dispensers</b> (10 28 13 13-0074)		
10 28 13	13-0080	EA	1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA).....	72.64	24.51
10 28 13	13-0081	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 6420-01 ES6).....	95.25	24.51
10 28 13	13-0082	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purell 6520-01 CS6).....	89.61	24.51
10 28 13	13-0083	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 7720-01 ES8).....	96.52	24.51
10 28 13	13-0084	EA	1,000/1,200 ml, Wall Mounted, Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Georgia-Pacific enMotion® Gen2 Hygiene Series 52058).....	111.49	24.51
10 28 13	13-0085	EA	2,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 5240-06).....	112.20	24.51
10 28 13	13-0086		<b>Automatic Floor Stand Sanitizer Dispensers</b> (10 28 13 13-0074)		
10 28 13	13-0087	EA	1,000 ml, Floor Stand, Metal, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell Elite LTX™ 2456-DS).....	572.85	8.17
10 28 13	13-0088	EA	1,200 ml, Floor Stand, ABS Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Purell 7308-DS-SLV).....	616.14	8.17
10 28 13	13-0089	EA	1,200 ml, Floor Stand, Aluminum and Polypropylene, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 2454-DS02).....	640.34	8.17
10 28 13	13-0090		<b>Facial Tissue Dispensers</b> (10 28 13 13-0002)		
10 28 13	13-0091	EA	Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397).....	114.89	24.51
10 28 13	13-0092	EA	Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355).....	80.76	24.51
10 28 13	13-0093		<b>Sanitary Toilet Seat Cover Dispensers</b> (10 28 13 13-0002)		
10 28 13	13-0094	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221).....	66.25	24.51
10 28 13	13-0095	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221).....	88.59	24.51
10 28 13	13-0096	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221).....	158.99	24.51
10 28 13	13-0097	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301).....	166.78	24.51
10 28 13	13-0098	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013).....	330.46	24.51
10 28 13	13-0099		<b>Sanitary Toilet Seat Cover/Toilet Tissue Dispensers</b> (10 28 13 13-0002)		
10 28 13	13-0100	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479).....	528.33	24.51
10 28 13	13-0101	EA	Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745).....	320.77	24.51
10 28 13	13-0102		<b>Sanitary Napkin/Tampon Dispensers</b> (10 28 13 13-0002)		
10 28 13	13-0103	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C).....	652.60	24.51
10 28 13	13-0104	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25).....	495.97	24.51
10 28 13	13-0105	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706).....	661.22	24.51
10 28 13	13-0106	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25).....	499.80	24.51
10 28 13	13-0107	EA	Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4 ).....	439.23	24.51
10 28 13	13-0108	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bradley 401-45).....	543.25	24.51
10 28 13	13-0109		<b>Toilet Compartment Combination Dispenser/Disposals</b> (10 28 13 13-0002)		
10 28 13	13-0110	EA	Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094).....	458.45	54.46
10 28 13	13-0111	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474).....	512.34	54.46
10 28 13	13-0112	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745).....	424.20	54.46



<b>Specialties</b>	<b>10</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>	
<b>Toilet, Bath, and Laundry Accessories</b>	<b>10 28</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0113 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574).....	598.86	54.46
10 28 13 13-0114 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347).....	615.53	54.46
10 28 13 13-0115 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357).....	708.55	54.46
10 28 13 13-0116 EA Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579).....	664.06	54.46
<b>10 28 13 13-0117 Receptacles (10 28 13 13-0001)</b>		
<b>10 28 13 13-0118 Wall Mounted Waste Receptacles (10 28 13 13-0117)</b>		
10 28 13 13-0119 EA 1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3) .....	101.27	24.51
10 28 13 13-0120 EA 6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279).....	169.16	24.51
10 28 13 13-0121 EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644) .....	391.07	54.46
10 28 13 13-0122 EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644) .....	582.18	54.46
10 28 13 13-0123 EA 20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275).....	460.33	54.46
<b>10 28 13 13-0124 Floor-Standing/Counter Waste Receptacles (10 28 13 13-0117)</b>		
10 28 13 13-0125 EA 5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532) .....	119.83	24.51
10 28 13 13-0126 EA 5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529).....	172.27	24.51
10 28 13 13-0127 EA 13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260).....	330.40	10.89
10 28 13 13-0128 EA 13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250) .....	500.60	10.89
10 28 13 13-0129 EA 18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300).....	468.88	10.89
10 28 13 13-0130 EA 21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280).....	450.84	10.89
<b>10 28 13 13-0131 Combination Paper Towel Dispenser/ Waste Receptacle (10 28 13 13-0117)</b>		
10 28 13 13-0132 EA 2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369) .....	323.22	54.46
10 28 13 13-0133 EA 2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369).....	521.96	54.46
10 28 13 13-0134 EA 2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944) .....	514.05	54.46
10 28 13 13-0135 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900) .....	748.84	54.46
10 28 13 13-0136 EA 12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909) .....	1,032.31	54.46
10 28 13 13-0137 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961) .....	871.96	54.46
10 28 13 13-0138 EA 12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949) .....	671.26	54.46
10 28 13 13-0139 EA 12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619) .....	1,089.64	54.46
10 28 13 13-0140 EA 16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944) .....	1,006.96	59.91
10 28 13 13-0141 EA 18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947) .....	675.62	59.91
<b>10 28 13 13-0142 Sanitary Napkin/Tampon Receptacles (10 28 13 13-0117)</b>		
10 28 13 13-0143 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270) .....	93.19	27.23
10 28 13 13-0144 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254) .....	186.44	27.23
10 28 13 13-0145 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353).....	202.88	27.23
10 28 13 13-0146 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303).....	474.85	27.23
10 28 13 13-0147 EA Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354).....	251.50	27.23
10 28 13 13-0148 EA Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354).....	441.21	27.23
<b>10 28 13 13-0149 Grab Bars (10 28 13 13-0001)</b>		
<b>10 28 13 13-0150 1-1/4" Diameter, Stainless Steel Grab Bars (10 28 13 13-0149)</b>		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0151 EA 12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125x12) .....	93.07	21.78
For Peened Grip, Add	4.95	
10 28 13 13-0152 EA 18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18).....	107.12	21.78
For Peened Grip, Add	6.21	
10 28 13 13-0153 EA 24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24).....	108.53	21.78
For Peened Grip, Add	6.34	
10 28 13 13-0154 EA 30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30).....	109.19	21.78
For Peened Grip, Add	6.40	
10 28 13 13-0155 EA 36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36).....	109.37	21.78
For Peened Grip, Add	6.41	
10 28 13 13-0156 EA 42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42).....	112.77	21.78
For Peened Grip, Add	6.72	
10 28 13 13-0157 EA 48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48).....	118.13	21.78
For Peened Grip, Add	7.20	
<b>10 28 13 13-0158 1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars (10 28 13 13-0149)</b>		
Note: Includes satin finish and concealed mounting with snap flange.		

**10 Specialties****10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13	13-0159	EA	24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616).....	180.14	21.78
			<i>For Peened Grip, Add</i>	12.29	
10 28 13	13-0160	EA	36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837).....	183.80	21.78
			<i>For Peened Grip, Add</i>	12.62	
<b>10 28 13</b>	<b>13-0161</b>		<b>1-1/2" Diameter, Stainless Steel Grab Bars</b> <small>(10 28 13 13-0149)</small>		
			Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13	13-0162	EA	12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12).....	105.94	21.78
			<i>For Peened Grip, Add</i>	6.10	
10 28 13	13-0163	EA	18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18).....	107.12	21.78
			<i>For Peened Grip, Add</i>	6.21	
10 28 13	13-0164	EA	24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24).....	109.37	21.78
			<i>For Peened Grip, Add</i>	6.41	
10 28 13	13-0165	EA	30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30).....	111.64	21.78
			<i>For Peened Grip, Add</i>	6.62	
10 28 13	13-0166	EA	36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36).....	114.46	21.78
			<i>For Peened Grip, Add</i>	6.87	
10 28 13	13-0167	EA	42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42).....	117.01	21.78
			<i>For Peened Grip, Add</i>	7.10	
10 28 13	13-0168	EA	48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48).....	123.23	21.78
			<i>For Peened Grip, Add</i>	7.66	
<b>10 28 13</b>	<b>13-0169</b>		<b>1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars</b> <small>(10 28 13 13-0149)</small>		
			Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13	13-0170	EA	16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861).....	164.86	21.78
			<i>For Peened Grip, Add</i>	10.92	
10 28 13	13-0171	EA	24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616).....	177.03	21.78
			<i>For Peened Grip, Add</i>	12.01	
10 28 13	13-0172	EA	36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137).....	154.12	21.78
			<i>For Peened Grip, Add</i>	9.95	
<b>10 28 13</b>	<b>13-0173</b>		<b>1-1/4" Diameter, Stainless Steel Swing Up Grab Bars</b> <small>(10 28 13 13-0149)</small>		
			Note: Includes satin finish and mounting for swing up.		
10 28 13	13-0174	EA	29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998).....	480.29	21.78
			<i>For Peened Grip, Add</i>	39.80	
<b>10 28 13</b>	<b>13-0175</b>		<b>Shelves</b> <small>(10 28 13 13-0001)</small>		
10 28 13	13-0176	EA	5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295).....	121.66	24.51
10 28 13	13-0177	EA	5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295).....	125.06	24.51
10 28 13	13-0178	EA	5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295).....	140.61	24.51
10 28 13	13-0179	EA	5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36).....	144.52	24.51
10 28 13	13-0180	EA	6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296).....	138.36	24.51
10 28 13	13-0181	EA	6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24).....	140.20	24.51
10 28 13	13-0182	EA	8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298).....	149.37	24.51
10 28 13	13-0183	EA	8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298).....	162.65	24.51
10 28 13	13-0184	EA	8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36).....	190.73	24.51
10 28 13	13-0185	EA	5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287).....	149.65	24.51
10 28 13	13-0186	EA	4-3/4" Width x 24" Length, Stainless Steel Toiletory Shelf (Bobrick B-683).....	152.48	24.51
10 28 13	13-0187	EA	12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24).....	418.01	24.51
10 28 13	13-0188	EA	12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30).....	450.26	24.51
10 28 13	13-0189	EA	12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36).....	500.01	24.51
10 28 13	13-0190	EA	12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48).....	635.40	24.51
10 28 13	13-0191	EA	12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60).....	882.04	24.51
10 28 13	13-0192	EA	4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412).....	327.30	24.51
<b>10 28 13</b>	<b>13-0193</b>		<b>Changing Stations</b> <small>(10 28 13 13-0001)</small>		
10 28 13	13-0194	EA	Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1).....	453.56	32.68
10 28 13	13-0195	EA	Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00).....	480.86	32.68
10 28 13	13-0196	EA	Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00).....	396.33	32.68
10 28 13	13-0197	EA	Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE).....	1,932.90	32.68
10 28 13	13-0198	EA	Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM).....	2,261.56	32.68
10 28 13	13-0199	EA	Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE).....	1,932.90	32.68
10 28 13	13-0200	EA	Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM).....	2,261.56	32.68
<b>10 28 13</b>	<b>13-0201</b>		<b>Folding Shower Seats</b> <small>(10 28 13 13-0001)</small>		
10 28 13	13-0202	EA	33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181).....	568.52	43.57
10 28 13	13-0203	EA	33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518).....	746.63	43.57
10 28 13	13-0204	EA	30" Width, Wall-Mounted, Teakwood Folding Shower Seat.....	1,673.01	43.57
10 28 13	13-0205	EA	33-1/2" Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32).....	3,600.92	
<b>10 28 13</b>	<b>13-0206</b>		<b>Soap/Dish Holders</b> <small>(10 28 13 13-0001)</small>		
10 28 13	13-0207	EA	Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679).....	61.25	24.51



<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Toilet, Bath, and Laundry Accessories</b>	<b>10 28</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0208 EA Surface Mounted, Stainless Steel Soap Dish (Gamco 7680) .....	63.22	24.51
10 28 13 13-0209 EA Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380) .....	112.21	24.51
10 28 13 13-0210 EA Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390) .....	122.11	24.51
<b>10 28 13 13-0211 Shower Curtains/Curtain Rods (10 28 13 13-0001)</b>		
10 28 13 13-0212 EA Stainless Steel Shower Curtain Hook (Bobrick B-204-1) .....	3.05	1.09
10 28 13 13-0213 EA 42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2) .....	50.34	10.89
Note: Requires 7 curtain hooks.		
10 28 13 13-0214 EA 70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3) .....	52.75	10.89
Note: Requires 12 curtain hooks.		
10 28 13 13-0215 EA 36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207) .....	88.87	24.51
10 28 13 13-0216 EA 48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207) .....	95.10	24.51
10 28 13 13-0217 EA 60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207) .....	102.73	24.51
10 28 13 13-0218 EA 72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207) .....	112.06	24.51
10 28 13 13-0219 EA 36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36) .....	78.13	24.51
10 28 13 13-0220 EA 48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48) .....	85.48	24.51
10 28 13 13-0221 EA 60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60) .....	89.72	24.51
10 28 13 13-0222 EA 72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72) .....	95.10	24.51
10 28 13 13-0223 EA 36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047) .....	81.24	24.51
10 28 13 13-0224 EA 48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047) .....	87.46	24.51
10 28 13 13-0225 EA 60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047) .....	94.80	24.51
10 28 13 13-0226 EA 72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047) .....	99.90	24.51
<b>10 28 13 13-0227 Hand Dryers (10 28 13 13-0001)</b>		
10 28 13 13-0228 EA Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710) .....	503.93	24.06
10 28 13 13-0229 EA Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V) .....	545.47	24.06
10 28 13 13-0230 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V) .....	608.24	24.06
10 28 13 13-0231 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230) .....	876.19	24.06
10 28 13 13-0232 EA Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A) .....	1,284.11	24.06
10 28 13 13-0233 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A) .....	1,451.38	24.06
10 28 13 13-0234 EA Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60) .....	1,831.87	24.06
10 28 13 13-0235 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T) .....	1,907.61	24.06
10 28 13 13-0236 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR) .....	1,988.39	24.06
10 28 13 13-0237 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR) .....	1,673.34	24.06
10 28 13 13-0238 EA Surface Mounted, Automatic Sensor, 22 Gauge Steel Cover Hand Dryer (Bobrick B-7120) .....	448.84	24.06
10 28 13 13-0239 EA Surface Mounted, Automatic Sensor, 18 Gauge Stainless Steel Cover Hand Dryer (Bobrick B-7128-115V) .....	519.86	24.06
10 28 13 13-0240 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (World Dryer RA) .....	1,226.84	24.06
10 28 13 13-0241 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (World Dryer XRA) .....	1,319.05	24.06
10 28 13 13-0242 EA Recessed Mounted, Automatic Sensor, Stainless Steel Cover Hand/Hair Dryer (World Dryer DXRA) .....	1,561.88	24.06
10 28 13 13-0243 EA Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12) .....	1,656.14	24.06
10 28 13 13-0244 EA Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14) .....	2,809.40	24.06
10 28 13 13-0245 EA Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9) .....	1,216.67	24.06
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0246 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M) .....	1,286.44	24.06
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0247 EA Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG) .....	1,326.31	24.06
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0248 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C) .....	1,366.18	24.06
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0249 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS) .....	1,445.91	24.06
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0250 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9) .....	977.46	24.06
Note: Electronically adjustable sound and speed.		
10 28 13 13-0251 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M) .....	1,047.23	24.06
Note: Electronically adjustable sound and speed.		
10 28 13 13-0252 EA Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG) .....	1,087.10	24.06
Note: Electronically adjustable sound and speed.		
10 28 13 13-0253 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C) .....	1,126.97	24.06
Note: Electronically adjustable sound and speed.		
10 28 13 13-0254 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS) .....	1,206.70	24.06
Note: Electronically adjustable sound and speed.		
10 28 13 13-0255 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7) .....	977.46	24.06
Note: Electronically adjustable sound and speed.		
10 28 13 13-0256 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M) .....	1,047.23	24.06
Note: Electronically adjustable sound and speed.		

## 10 Specialties

## 10 20 Interior Specialties

## 10 28 Toilet, Bath, and Laundry Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0257	EA		Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG) ..... Note: Electronically adjustable sound and speed.	1,087.10	24.06
10 28 13 13-0258	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C) ..... Note: Electronically adjustable sound and speed.	1,126.97	24.06
10 28 13 13-0259	EA		Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS) ..... Note: Electronically adjustable sound and speed.	1,206.70	24.06
10 28 13 13-0260	EA		Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90) .....	698.39	24.06
10 28 13 13-0261	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M) .....	768.16	24.06
10 28 13 13-0262	EA		Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG) .....	808.02	24.06
10 28 13 13-0263	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C) .....	847.89	24.06
10 28 13 13-0264	EA		Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS) .....	927.63	24.06
10 28 13 13-0265	EA		Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H) .....	698.39	24.06
10 28 13 13-0266	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH) .....	768.16	24.06
10 28 13 13-0267	EA		Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH) .....	808.02	24.06
10 28 13 13-0268	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH) .....	847.89	24.06
10 28 13 13-0269	EA		Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH) .....	927.63	24.06
10 28 13 13-0270	EA		Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1) .....	499.05	24.06
10 28 13 13-0271	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M) .....	568.82	24.06
10 28 13 13-0272	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C) .....	648.55	24.06
10 28 13 13-0273			<b>Hand Dryers (Excel XLERATOR®)</b> (10 28 13 13-0001) Note: With or without noise reduction nozzle options.		
10 28 13 13-0274	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W) .....	1,005.34	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0275	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH) .....	1,428.27	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0276	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR) .....	1,184.93	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0277	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH) .....	1,489.11	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0278	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C) .....	1,276.18	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0279	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH) .....	1,580.36	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0280	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB) .....	1,276.18	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0281	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH) .....	1,580.36	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0282	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP) .....	1,184.93	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0283	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH) .....	1,489.11	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0284	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW) .....	1,063.26	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0285	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-BWH) .....	1,367.44	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0286	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-W-ECO) .....	1,005.34	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0287	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-WH-ECO) .....	1,428.27	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0288	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-GR-ECO) .....	1,184.93	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0289	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-GRH-ECO) .....	1,489.11	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	





<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
Toilet, Bath, and Laundry Accessories	10 28

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0290	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO) .....	1,276.18	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0291	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-CH-ECO).....	1,580.36	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0292	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO) .....	1,276.18	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0293	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SBH-ECO).....	1,580.36	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0294	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO) .....	1,184.93	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0295	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SPH-ECO).....	1,489.11	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0296	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO) .....	1,063.26	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0297	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-BWH-ECO).....	1,367.44	24.06
			<i>For ADA-Compliant Recess Kit, Add</i> .....	162.09	
10 28 13 13-0298			<b>Additional Accessories</b> <small>(10 28 13 13-0001)</small>		
10 28 13 13-0299			<b>Hooks</b> <small>(10 28 13 13-0298)</small>		
10 28 13 13-0300	EA		Stainless Steel Clothes Hook And Bumper (Bobrick B-212).....	31.11	10.89
10 28 13 13-0301	EA		Single Stainless Steel Robe Hook (Bobrick B-233) .....	37.33	10.89
10 28 13 13-0302	EA		Single Stainless Steel Robe Hook (Bobrick B-7671) .....	31.67	10.89
10 28 13 13-0303	EA		Double Stainless Steel Robe Hook (Bobrick B-7672).....	34.45	10.89
10 28 13 13-0304	EA		Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727) .....	57.68	10.89
10 28 13 13-0305	EA		Single Stainless Steel Robe Hook (Bobrick B-6717) .....	52.02	10.89
10 28 13 13-0306			<b>Clotheslines</b> <small>(10 28 13 13-0298)</small>		
10 28 13 13-0307	EA		Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636).....	54.38	21.78
10 28 13 13-0308			<b>Towel Bars</b> <small>(10 28 13 13-0298)</small>		
10 28 13 13-0309	EA		18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18) .....	66.95	24.51
10 28 13 13-0310	EA		24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24) .....	67.17	24.51
10 28 13 13-0311	EA		18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18) .....	75.46	24.51
10 28 13 13-0312	EA		24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24) .....	76.25	24.51
10 28 13 13-0313	EA		18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673) .....	112.62	24.51
10 28 13 13-0314	EA		24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673) .....	117.42	24.51
10 28 13 13-0315	EA		18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674) .....	116.30	24.51
10 28 13 13-0316	EA		24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674) .....	120.25	24.51
10 28 13 13-0317	EA		18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	127.33	24.51
10 28 13 13-0318	EA		24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	131.53	24.51
10 28 13 13-0319	EA		18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	96.51	24.51
10 28 13 13-0320	EA		24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	100.18	24.51
10 28 13 13-0321			<b>Towel Bar With Shelf</b> <small>(10 28 13 13-0298)</small>		
10 28 13 13-0322	EA		24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676) .....	220.05	24.51
10 28 13 13-0323			<b>Towel Pins</b> <small>(10 28 13 13-0298)</small>		
10 28 13 13-0324	EA		Stainless Steel Towel Pin (Bobrick B-677).....	55.71	10.89
10 28 13 13-0325			<b>Drinking Fountain Grab Bars</b> <small>(10 28 13 13)</small>		
10 28 13 13-0326			<b>1-1/4" Diameter, Stainless Steel Drinking Fountain Grab Bars</b> <small>(10 28 13 13-0325)</small>		
			Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground.		
10 28 13 13-0327	EA		1-1/4" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars.....	395.29	71.89
10 28 13 13-0328	EA		1-1/4" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars.....	428.57	71.89
10 28 13 13-0329	EA		1-1/4" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars.....	490.14	71.89
10 28 13 13-0330	EA		1-1/4" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars.....	579.99	71.89
10 28 13 13-0331			<b>1-1/2" Diameter, Stainless Steel Drinking Fountain Grab Bars</b> <small>(10 28 13 13-0325)</small>		
			Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground.		
10 28 13 13-0332	EA		1-1/2" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars.....	410.27	71.89
10 28 13 13-0333	EA		1-1/2" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars.....	443.55	71.89
10 28 13 13-0334	EA		1-1/2" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars.....	508.44	71.89
10 28 13 13-0335	EA		1-1/2" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars.....	596.63	71.89

**10 Specialties****10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

10 28 13 13-0336		<b>1-1/2" Diameter, Steel Drinking Fountain Grab Bars</b> <small>(10 28 13 13-0325)</small>		
		Note: Includes three wall and one floor concealed mounting with snap flange.		
10 28 13 13-0337	EA	1-1/2" Diameter, Steel Drinking Fountain Grab Bars, 42" High.....	339.74	71.89
10 28 13 13-0338		<b>Mirrors</b> <small>(10 28 13 13)</small>		
10 28 13 13-0339		<b>Stainless Steel Channel Frame Glass Mirrors</b> <small>(10 28 13 13-0338)</small>		
10 28 13 13-0340	EA	16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24) .....	110.90	27.23
10 28 13 13-0341	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824).....	125.18	27.23
10 28 13 13-0342	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830) .....	130.12	27.23
		<i>For Tempered Glass (B-1658), Add</i>	41.52	
10 28 13 13-0343	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836).....	140.26	27.23
		<i>For Tempered Glass (B-1658), Add</i>	48.62	
10 28 13 13-0344	EA	24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430).....	153.27	27.23
10 28 13 13-0345	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436) .....	158.74	27.23
		<i>For Tempered Glass (B-1658), Add</i>	61.56	
10 28 13 13-0346	EA	24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448).....	194.64	27.23
10 28 13 13-0347	EA	24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460).....	224.04	27.23
10 28 13 13-0348	EA	36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36) .....	268.98	27.23
10 28 13 13-0349	EA	48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836).....	337.22	27.23
10 28 13 13-0350	EA	60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36) .....	378.68	27.23
10 28 13 13-0351		<b>Stainless Steel Channel Frame Glass Mirror/Shelf Combination</b> <small>(10 28 13 13-0338)</small>		
10 28 13 13-0352	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824).....	201.40	27.23
10 28 13 13-0353	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830) .....	216.75	27.23
10 28 13 13-0354	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836).....	226.90	27.23
10 28 13 13-0355	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436) .....	255.52	27.23
10 28 13 13-0356		<b>Stainless Steel Angle Frame Glass Mirrors</b> <small>(10 28 13 13-0338)</small>		
10 28 13 13-0357	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824).....	179.78	27.23
10 28 13 13-0358	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830).....	196.72	27.23
		<i>For Tempered Glass (B-2908), Add</i>	83.11	
10 28 13 13-0359	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836).....	202.44	27.23
		<i>For Tempered Glass (B-2908), Add</i>	86.88	
10 28 13 13-0360	EA	24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430).....	236.27	27.23
10 28 13 13-0361	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436).....	237.57	27.23
		<i>For Tempered Glass (B-2908), Add</i>	110.07	
10 28 13 13-0362	EA	24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448).....	315.88	27.23
10 28 13 13-0363	EA	24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460).....	370.51	27.23
10 28 13 13-0364	EA	24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472).....	421.51	27.23
10 28 13 13-0365	EA	36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36).....	282.63	27.23
10 28 13 13-0366	EA	48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36).....	343.43	27.23
10 28 13 13-0367	EA	72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36).....	523.26	27.23
10 28 13 13-0368		<b>Stainless Steel Angle Frame Glass Mirror/Shelf Combination</b> <small>(10 28 13 13-0338)</small>		
10 28 13 13-0369	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24) .....	185.71	27.23
10 28 13 13-0370	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830).....	361.41	27.23
10 28 13 13-0371	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836).....	378.59	27.23
10 28 13 13-0372	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436).....	421.51	27.23
10 28 13 13-0373		<b>Frameless Stainless Steel Mirrors</b> <small>(10 28 13 13-0338)</small>		
10 28 13 13-0374	EA	17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830).....	200.89	27.23
10 28 13 13-0375	EA	23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436).....	258.37	27.23
10 28 13 13-0376		<b>Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors</b> <small>(10 28 13 13-0338)</small>		
10 28 13 13-0377	EA	16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630).....	271.39	27.23
10 28 13 13-0378	EA	18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830).....	282.58	27.23
10 28 13 13-0379	EA	18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836).....	341.12	27.23
10 28 13 13-0380	EA	24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436).....	418.39	27.23
10 28 13 13-0381		<b>Medicine Cabinets</b> <small>(10 28 13 13)</small>		
10 28 13 13-0382		<b>Metal Medicine Cabinets</b> <small>(10 28 13 13-0381)</small>		
10 28 13 13-0383	EA	20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB).....	669.71	54.46
10 28 13 13-0384	EA	15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397).....	251.84	54.46
		Note: Includes three adjustable plastic shelves.		
10 28 13 13-0385	EA	14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297) .....	259.89	54.46
		Note: Includes two fixed shelves with baked white enamel finish.		



<b>Specialties</b>	<b>10</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>	
<b>Toilet, Bath, and Laundry Accessories</b>	<b>10 28</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0386 EA 15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398) .....	566.63	54.46
Note: Includes four adjustable stainless steel shelves.		
10 28 13 13-0387 EA 17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299) .....	777.25	54.46
Note: Includes four adjustable shelves.		
<b>10 28 13 13-0388 Janitorial Material</b> <small>(10 28 13 13)</small>		
10 28 13 13-0389 EA Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670) .....	52.02	10.89
10 28 13 13-0390 EA 24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24) .....	135.52	24.51
10 28 13 13-0391 EA 24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24) .....	130.44	24.51
10 28 13 13-0392 EA 30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1) .....	148.34	24.51
10 28 13 13-0393 EA 36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36) .....	166.05	24.51
10 28 13 13-0394 EA 36" Length, Utility Hook Strip (Gamco HCS-2) .....	110.56	24.51
10 28 13 13-0395 EA 36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36) .....	309.10	24.51
10 28 13 13-0396 EA 34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34) .....	445.66	24.51
<b>10 28 13 13-0397 Removal And Reinstallation Of Bathroom Accessories</b> <small>(10 28 13 13)</small>		
10 28 13 13-0398 EA Removal And Reinstallation Of Bathroom Accessory .....	34.04	
<b>10 28 13 19 Healthcare Toilet Accessories</b> <small>(10 28 13)</small>		
<b>10 28 13 19-0001 Healthcare Toilet Accessories</b> <small>(10 28 13 19)</small>		
10 28 13 19-0002 EA Surface Mounted, Stainless Steel Bedpan/Urinal Holder (Bradley BR-9905) .....	191.48	34.10
10 28 13 19-0003 EA Recessed Mounted, Stainless Steel Bedpan Storage Cabinet (Bradley BR-990) .....	715.36	34.10
10 28 13 19-0004 EA Stainless Steel Foot Operated Soap Dispenser (Bradley BR-6843) .....	229.73	90.73
<b>10 28 16 Bath Accessories</b> <small>(10 28)</small>		
<b>10 28 16 13 Residential Bath Accessories</b> <small>(10 28 16)</small>		
<b>10 28 16 13-0001 Residential Toilet Accessories</b> <small>(10 28 16 13)</small>		
<b>10 28 16 13-0002 Residential Shower Curtain Rod</b> <small>(10 28 16 13-0001)</small>		
Note: Includes end brackets. See CSI section 10 28 13 13-0211 for shower curtain rods.		
<b>10 28 16 13-0003 Residential, Recessed, Chrome Plated Toilet Accessories</b> <small>(10 28 16 13-0001)</small>		
10 28 16 13-0004 EA Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder .....	111.17	24.51
10 28 16 13-0005 EA Recessed Mounted, Chrome Plated Soap Dish .....	160.84	24.51
10 28 16 13-0006 EA Recessed Mounted, Chrome Plated Soap Dish And Bar .....	170.94	24.51
10 28 16 13-0007 EA Recessed Mounted, Chrome Plated Tumbler Holder .....	115.45	24.51
<b>10 28 16 13-0008 Residential, Surface Mounted, Chrome Plated Toilet Accessories</b> <small>(10 28 16 13-0001)</small>		
10 28 16 13-0009 EA Surface Mounted, Chrome Plated Soap Dish .....	73.02	16.34
10 28 16 13-0010 EA Surface Mounted, Chrome Plated Single Clothes Hook .....	84.28	16.34
10 28 16 13-0011 EA Surface Mounted, Chrome Plated Double Clothes Hook .....	84.28	16.34
10 28 16 13-0012 LF 6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports .....	172.05	16.34
10 28 16 13-0013 LF 6" Deep, Surface Mounted, Stainless Steel Shelf .....	143.73	16.34
10 28 16 13-0014 EA 18" Length, Surface Mounted, Chrome Plated Towel Bar .....	94.01	21.78
10 28 16 13-0015 EA 24" Length, Surface Mounted, Chrome Plated Towel Bar .....	95.27	21.78
10 28 16 13-0016 EA Surface Mounted, Chrome Plated Towel Ring .....	70.24	16.34
10 28 16 13-0017 EA Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder .....	62.12	10.89
10 28 16 13-0018 EA Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder .....	73.02	16.34
10 28 16 13-0019 EA Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder .....	148.50	16.34
10 28 16 13-0020 EA Surface Mounted, Chrome Plated Globe Soap Dispenser .....	88.17	16.34
10 28 16 13-0021 EA Surface Mounted, Chrome Plated Towel Pin .....	93.27	10.89
10 28 16 13-0022 EA Surface Mounted, Chrome Plated Towel Ladder And Shelf .....	286.66	16.34
10 28 16 13-0023 EA Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline .....	138.20	16.34
10 28 16 13-0024 EA 24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar .....	82.45	16.34
<b>10 28 16 13-0025 Residential Medicine Cabinets, Solid Oak</b> <small>(10 28 16 13-0001)</small>		
Note: Surface or recessed mounted, premium quality.		
10 28 16 13-0026 EA 24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror .....	717.59	54.46
10 28 16 13-0027 EA 24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror .....	866.98	54.46
10 28 16 13-0028 EA 30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror .....	765.10	54.46
10 28 16 13-0029 EA 30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror .....	931.79	54.46
10 28 16 13-0030 EA 36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror .....	795.07	54.46
10 28 16 13-0031 EA 36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror .....	988.73	54.46
10 28 16 13-0032 EA 48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror .....	836.21	54.46
10 28 16 13-0033 EA 48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror .....	1,058.31	54.46
<b>10 28 16 13-0034 Residential Toilet Accessories</b> <small>(10 28 16 13-0001)</small>		
10 28 16 13-0035 EA Surface Mounted Plastic Paper Towel Dispenser .....	103.78	24.51
10 28 16 13-0036 EA Surface Mounted Plastic Napkin Disposal .....	91.69	24.51
10 28 16 13-0037 EA 50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent .....	95.96	

**10 Specialties****10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 16 13-0038 EA 50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps.....	108.76	24.51
10 28 16 13-0039 EA Multi Roll (2) Plastic Toilet Tissue Dispenser .....	103.82	24.51
10 28 16 13-0040 EA Single Jumbo Roll Plastic Toilet Tissue Dispenser .....	127.20	29.96
10 28 16 13-0041 EA Surface Mounted Plastic Toilet Seat Cover Dispenser .....	70.63	21.78
10 28 16 13-0042 EA 13 Gallon Plastic Waste Door For Countertops .....	245.29	40.85
<b>10 28 19 Tub and Shower Enclosures (10 28)</b>		
<b>10 28 19 16 Shower Doors (10 28 19)</b>		
<b>10 28 19 16-0001 Swinging Shower Doors (10 28 19 16)</b>		
<b>10 28 19 16-0002 Framed, Swinging Shower Doors (10 28 19 16-0001)</b>		
10 28 19 16-0003 EA 24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801).....	472.34	52.35
10 28 19 16-0004 EA 27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802).....	496.43	26.18
10 28 19 16-0005 EA 29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803).....	596.33	26.18
10 28 19 16-0006 EA 33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804).....	493.86	26.18
10 28 19 16-0007 EA 35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805).....	527.98	26.18
<b>10 28 19 16-0008 Frameless, Swinging Shower Doors (10 28 19 16-0001)</b>		
10 28 19 16-0009 EA 24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D) .....	729.31	26.18
10 28 19 16-0010 EA 31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D) .....	762.70	26.18
10 28 19 16-0011 EA 32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D) .....	794.13	26.18
10 28 19 16-0012 EA 34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D) .....	827.52	26.18
10 28 19 16-0013 EA 35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D) .....	859.93	26.18
<b>10 28 19 16-0014 Sliding Shower Doors (10 28 19 16)</b>		
<b>10 28 19 16-0015 Framed, Sliding Shower Doors (10 28 19 16-0014)</b>		
10 28 19 16-0016 EA 40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735).....	795.32	26.18
10 28 19 16-0017 EA 44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745).....	727.74	26.18
10 28 19 16-0018 EA 46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775).....	745.95	26.18
10 28 19 16-0019 EA 52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729).....	765.30	26.18
10 28 19 16-0020 EA 54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794).....	776.10	26.18
10 28 19 16-0021 EA 56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795).....	792.09	26.18
<b>10 28 19 16-0022 Frameless, Sliding Shower Doors (10 28 19 16-0014)</b>		
10 28 19 16-0023 EA 40" To 44" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00335) .....	824.91	26.18
10 28 19 16-0024 EA 44" To 48" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00345) .....	1,008.73	26.18
10 28 19 16-0025 EA 56" To 60" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00394) .....	1,070.60	26.18
10 28 19 16-0026 EA 40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330).....	965.65	26.18
10 28 19 16-0027 EA 44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370).....	979.19	26.18
10 28 19 16-0028 EA 56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390).....	1,105.10	26.18
<b>10 28 19 19 Tub Doors (10 28 19)</b>		
<b>10 28 19 19-0001 Sliding Bathtub Doors (10 28 19 19)</b>		
<b>10 28 19 19-0002 Framed, Sliding Bathtub Doors (10 28 19 19-0001)</b>		
10 28 19 19-0003 EA 52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725).....	707.43	26.18
10 28 19 19-0004 EA 54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749).....	715.21	26.18
10 28 19 19-0005 EA 56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750).....	732.82	26.18



<b>Specialties</b>	<b>10</b>	<b>10</b>
<b>Safety Specialties</b>	<b>10 40</b>	
Toilet, Bath, and Laundry Accessories	10 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 40 Safety Specialties (10)

10 41 Emergency Access And Information Cabinets (10 40)

10 41 13 Fire Department Plan Cabinets (10 41)

10 41 13 00-0001 Fire Department Plan Cabinets (Knox) (10 41 13)

10 41 13 00-0002	EA	18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	1,639.72	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Back Key Hook Panel, Add</i>	59.06	
		<i>For Swing Key Hook Panel, Add</i>	158.06	
		<i>For Non-Locking Weather Housing, Add</i>	397.17	
10 41 13 00-0003	EA	18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	1,739.12	35.40
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Back Key Hook Panel, Add</i>	59.06	
		<i>For Swing Key Hook Panel, Add</i>	158.06	
		<i>For Second Swing Key Hook Panel, Add</i>	125.06	
		<i>For Non-Locking Weather Housing, Add</i>	397.17	

10 41 16 Emergency Key Cabinets (10 41)

10 41 16 00-0001 Emergency Key Cabinets (Knox) (10 41 16)

10 41 16 00-0002	EA	Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403).....	814.74	35.40
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
10 41 16 00-0003	EA	5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200).....	715.34	35.40
		<i>For Lift-Off Door, Deduct</i>	-40.00	
		<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Recess Mount, Add</i>	60.29	
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	119.00	
10 41 16 00-0004	EA	6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100).....	958.86	35.40
		<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Recess Mount, Add</i>	60.29	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	130.00	
10 41 16 00-0005	EA	7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400).....	1,020.98	35.40
		<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Recess Mount, Add</i>	60.29	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	135.00	

10 44 Fire Protection Specialties (10 40)

10 44 13 Fire Protection Cabinets (10 44)

10 44 13 00-0001 Fire Extinguisher Cabinets (10 44 13)

10 44 13 00-0002 Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)

10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.				
10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	360.94	44.66
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	367.30	44.66
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	368.57	44.66
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	407.97	44.66
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	510.93	44.66
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	524.92	44.66

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.				
10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	362.94	44.66
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	368.72	44.66
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	378.34	44.66
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	394.71	44.66
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	445.32	44.66
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	460.72	44.66

10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.				
10 44 13 00-0018	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	474.94	44.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0019 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet .....	486.28	44.66
10 44 13 00-0020 EA 10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	491.95	44.66
10 44 13 00-0021 EA 12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	530.70	44.66
10 44 13 00-0022 EA 16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	608.71	44.66
10 44 13 00-0023 EA 20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	632.33	44.66
<b>10 44 13 00-0024 Bronze Door And Trim, Recessed Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0002)</small>		
Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0025 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	959.55	44.66
10 44 13 00-0026 EA 10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	965.98	44.66
10 44 13 00-0027 EA 12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,097.09	44.66
<b>10 44 13 00-0028 Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0002)</small>		
Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0029 EA 10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	443.56	44.66
10 44 13 00-0030 EA 14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	491.87	44.66
<b>10 44 13 00-0031 Semi Recessed Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0001)</small>		
<b>10 44 13 00-0032 Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0031)</small>		
Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0033 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	395.26	44.66
10 44 13 00-0034 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	407.97	44.66
10 44 13 00-0035 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	409.24	44.66
10 44 13 00-0036 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	452.46	44.66
10 44 13 00-0037 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	538.90	44.66
10 44 13 00-0038 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	552.88	44.66
<b>10 44 13 00-0039 Aluminum Door And Trim, Semi Recessed Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0031)</small>		
Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0040 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet .....	405.84	44.66
10 44 13 00-0041 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	420.28	44.66
10 44 13 00-0042 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet .....	428.95	44.66
10 44 13 00-0043 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet .....	445.32	44.66
10 44 13 00-0044 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet .....	502.13	44.66
10 44 13 00-0045 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet .....	515.61	44.66
<b>10 44 13 00-0046 Stainless Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0031)</small>		
Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	524.60	44.66
10 44 13 00-0048 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	537.83	44.66
10 44 13 00-0049 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	543.50	44.66
10 44 13 00-0050 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	572.80	44.66
10 44 13 00-0051 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	645.56	44.66
10 44 13 00-0052 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	661.63	44.66
<b>10 44 13 00-0053 Bronze Door And Trim, Semi Recessed Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0031)</small>		
Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,188.35	44.66
10 44 13 00-0055 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,193.75	44.66
10 44 13 00-0056 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,356.59	44.66
<b>10 44 13 00-0057 Acrylic Bubble Door And Steel Trim, Semi Recessed Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0031)</small>		
Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058 EA 10-1/2" x 24" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door .....	489.32	44.66
10 44 13 00-0059 EA 14" x 30" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	535.08	44.66
<b>10 44 13 00-0060 Surface Mounted Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0001)</small>		
<b>10 44 13 00-0061 Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0060)</small>		
Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	385.09	44.66
10 44 13 00-0063 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	392.72	44.66
10 44 13 00-0064 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	453.73	44.66
10 44 13 00-0065 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	528.73	44.66
10 44 13 00-0066 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	549.07	44.66
<b>10 44 13 00-0067 Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0060)</small>		
Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		



<b>Specialties</b>	<b>10</b>	<b>10</b>
Safety Specialties	10 40	
Fire Protection Specialties	10 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0068 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	497.31	44.66
10 44 13 00-0069 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	509.83	44.66
10 44 13 00-0070 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	537.75	44.66
10 44 13 00-0071 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	592.64	44.66
10 44 13 00-0072 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	615.75	44.66
<b>10 44 13 00-0073 Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets<sup>(10)</sup></b> <small><sup>44 13 00-0060</sup></small>		
Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	606.82	44.66
10 44 13 00-0075 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	624.77	44.66
10 44 13 00-0076 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	669.19	44.66
10 44 13 00-0077 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	752.18	44.66
10 44 13 00-0078 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	781.64	44.66
<b>10 44 13 00-0079 Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets<sup>(10 44 13 00-0060)</sup></b>		
Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	1,351.51	44.66
10 44 13 00-0081 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	1,513.11	44.66
<b>10 44 13 00-0082 Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets<sup>(10 44 13 00-0060)</sup></b>		
Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083 EA 13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	461.36	44.66
10 44 13 00-0084 EA 17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	517.29	44.66
10 44 13 00-0085 EA 31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	713.04	44.66
<b>10 44 13 00-0086 Fire Extinguisher Cabinet Accessories<sup>(10 44 13 00-0001)</sup></b>		
10 44 13 00-0087 EA Standard Break Glass Cylinder Lock Mechanism.....	36.99	13.62
10 44 13 00-0088 EA Breaker Bar And Chain For Break Glass Cabinets.....	33.58	13.62
10 44 13 00-0089 EA Replacement Of Standard Pull Handle.....	31.50	
10 44 13 00-0090 EA Fire Extinguisher Cabinet Battery Operated Alarm.....	98.37	27.23
10 44 13 00-0091 EA Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets.....	222.35	
10 44 13 00-0092 EA Fire Rated Option For 12" x 27" x 7-3/4" Cabinets.....	244.58	
10 44 13 00-0093 EA Fire Rated Option For 16" x 32" x 7-3/4" Cabinets.....	333.52	
10 44 13 00-0094 EA Fire Rated Option For 20" x 27" x 7-3/4" Cabinets.....	455.82	
10 44 13 00-0095 EA Fire Rated Option For 9" x 18" x 5-1/2" Cabinets.....	533.64	
10 44 13 00-0096 EA Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets.....	128.96	
10 44 13 00-0097 EA Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets.....	133.41	
10 44 13 00-0098 EA Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets.....	177.88	
10 44 13 00-0099 EA Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets.....	322.41	
10 44 13 00-0100 EA Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets.....	326.85	
10 44 13 00-0101 EA Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets.....	106.67	
10 44 13 00-0102 EA Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets.....	112.00	
10 44 13 00-0103 EA Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets.....	151.11	
10 44 13 00-0104 EA Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets.....	266.67	
10 44 13 00-0105 EA Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets.....	270.23	
<b>10 44 13 00-0106 Fire Hose Cabinets<sup>(10 44 13)</sup></b>		
Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.		
<b>10 44 13 00-0107 Recessed Fire Hose Cabinets<sup>(10 44 13 00-0106)</sup></b>		
<b>10 44 13 00-0108 Steel Door And Trim, Recessed Fire Hose Cabinets<sup>(10 44 13 00-0107)</sup></b>		
Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109 EA 34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	535.33	128.91
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0110 EA 34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	544.68	128.91
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0111 EA 38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	552.49	128.91
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0112 EA 38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	560.29	128.91
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0113 EA 30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	569.64	128.91
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0114 EA 38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	594.58	128.91
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0115 EA 23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	602.38	128.91
For Solid Steel Door, Deduct	-8.60	

**10 Specialties****10 40 Safety Specialties****10 44 Fire Protection Specialties**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0116			<b>Aluminum Door And Trim, Recessed Fire Hose Cabinets</b> <small>(10 44 13 00-0107)</small> Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0117	EA		34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	585.71	128.91
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0118	EA		30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	601.12	128.91
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0119	EA		34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	603.12	128.91
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0120	EA		38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	609.53	128.91
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0121	EA		38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	617.94	128.91
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0122	EA		38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	641.76	128.91
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0123	EA		23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	665.58	128.91
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0124			<b>Stainless Steel Door And Trim, Recessed Fire Hose Cabinets</b> <small>(10 44 13 00-0107)</small> Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0125	EA		23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	719.44	128.91
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0126	EA		34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	791.53	128.91
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0127	EA		34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	798.46	128.91
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0128	EA		38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	820.64	128.91
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0129	EA		38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	827.57	128.91
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0130	EA		30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	863.62	128.91
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0131	EA		38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	899.66	128.91
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0132			<b>Semi Recessed Fire Hose Cabinets</b> <small>(10 44 13 00-0106)</small>		
10 44 13 00-0133			<b>Steel Door And Trim, Semi Recessed Fire Hose Cabinets</b> <small>(10 44 13 00-0132)</small> Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0134	EA		34" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	560.29	128.91
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0135	EA		34" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	569.64	128.91
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0136	EA		38" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	577.43	128.91
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0137	EA		38" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	586.78	128.91
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0138	EA		30" x 30" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	594.58	128.91
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0139	EA		38" x 32" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	619.52	128.91
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0140	EA		23" x 18" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	628.88	128.91
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0141			<b>Aluminum Door And Trim, Semi Recessed Fire Hose Cabinets</b> <small>(10 44 13 00-0132)</small> Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0142	EA		34" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	601.12	128.91
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0143	EA		34" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	617.94	128.91
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0144	EA		30" x 30" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	620.34	128.91
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0145	EA		38" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	624.94	128.91
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0146	EA		38" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	633.35	128.91
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0147	EA		38" x 32" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	657.17	128.91
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0148	EA		23" x 18" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	681.00	128.91
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0149			<b>Stainless Steel Door And Trim, Semi Recessed Fire Hose Cabinets</b> <small>(10 44 13 00-0132)</small> Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0150	EA		23" x 18" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	762.42	128.91
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	





<b>Specialties</b>	<b>10</b>	<b>10</b>
<b>Safety Specialties</b>	<b>10 40</b>	
<b>Fire Protection Specialties</b>	<b>10 44</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0151 EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	841.44	128.91
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0152 EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	848.37	128.91
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0153 EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	870.55	128.91
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0154 EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	877.48	128.91
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0155 EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	913.52	128.91
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0156 EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	949.57	128.91
For Solid Stainless Steel Door, Deduct	-7.70	
<b>10 44 13 00-0157 Surface Mount Fire Hose Cabinets (10 44 13 00-0106)</b>		
<b>10 44 13 00-0158 Steel Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157)</b>		
Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0159 EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	569.64	128.91
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0160 EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	577.43	128.91
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0161 EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	586.78	128.91
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0162 EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	594.58	128.91
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0163 EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	602.38	128.91
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0164 EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	628.88	128.91
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0165 EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	636.68	128.91
For Solid Steel Door, Deduct	-8.60	
<b>10 44 13 00-0166 Aluminum Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157)</b>		
Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0167 EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	641.76	128.91
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0168 EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	657.17	128.91
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0169 EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	661.18	128.91
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0170 EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	665.58	128.91
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0171 EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	672.59	128.91
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0172 EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	697.81	128.91
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0173 EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	713.23	128.91
For Solid Aluminum Door, Add	6.50	
<b>10 44 13 00-0174 Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157)</b>		
Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0175 EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	820.64	128.91
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0176 EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,050.76	128.91
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0177 EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,108.99	128.91
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0178 EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,122.85	128.91
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0179 EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,136.71	128.91
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0180 EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,194.94	128.91
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0181 EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,267.02	128.91
For Solid Stainless Steel Door, Deduct	-7.70	
<b>10 44 16 Fire Extinguishers (10 44)</b>		
<b>10 44 16 13 Portable Fire Extinguishers (10 44 16)</b>		
Note: Includes filling, certification, bracket, hardware and mounting on wall.		
<b>10 44 16 13-0001 Carbon Dioxide Type, Class BC Portable Fire Extinguisher (10 44 16 13)</b>		
10 44 16 13-0002 EA 2.5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	191.68	14.16
For >5 To 10, Deduct	-5.95	
For >10, Deduct	-11.91	
For Placement In Cabinet, Deduct	-36.31	

**10 Specialties****10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0003	EA		5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	280.56	16.34
			<i>For &gt;5 To 10, Deduct</i>	-9.84	
			<i>For &gt;10, Deduct</i>	-19.68	
			<i>For Placement In Cabinet, Deduct</i>	-41.90	
10 44 16 13-0004	EA		10 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	364.94	20.70
			<i>For &gt;5 To 10, Deduct</i>	-12.80	
			<i>For &gt;10, Deduct</i>	-25.60	
			<i>For Placement In Cabinet, Deduct</i>	-54.46	
10 44 16 13-0005	EA		15 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	449.28	26.14
			<i>For &gt;5 To 10, Deduct</i>	-15.66	
			<i>For &gt;10, Deduct</i>	-31.31	
			<i>For Placement In Cabinet, Deduct</i>	-68.08	
10 44 16 13-0006	EA		20 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	500.44	26.14
			<i>For &gt;5 To 10, Deduct</i>	-18.21	
			<i>For &gt;10, Deduct</i>	-36.43	
			<i>For Placement In Cabinet, Deduct</i>	-68.08	
10 44 16 13-0007	EA		50 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher.....	1,613.11	41.39
			<i>For &gt;5 To 10, Deduct</i>	-69.76	
			<i>For &gt;10, Deduct</i>	-139.53	
10 44 16 13-0008	EA		100 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher.....	3,168.26	41.39
			<i>For &gt;5 To 10, Deduct</i>	-147.52	
			<i>For &gt;10, Deduct</i>	-295.04	
<b>10 44 16 13-0009</b>			<b>Dry Chemical Type, Class ABC Portable Fire Extinguisher (10 44 16 13)</b>		
10 44 16 13-0010	EA		2.6 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	118.02	14.16
			<i>For &gt;5 To 10, Deduct</i>	-2.27	
			<i>For &gt;10, Deduct</i>	-4.54	
			<i>For Placement In Cabinet, Deduct</i>	-36.31	
10 44 16 13-0011	EA		5 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	148.18	16.34
			<i>For &gt;5 To 10, Deduct</i>	-3.22	
			<i>For &gt;10, Deduct</i>	-6.44	
			<i>For Placement In Cabinet, Deduct</i>	-41.90	
10 44 16 13-0012	EA		10 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	211.42	20.70
			<i>For &gt;5 To 10, Deduct</i>	-5.13	
			<i>For &gt;10, Deduct</i>	-10.25	
			<i>For Placement In Cabinet, Deduct</i>	-54.46	
10 44 16 13-0013	EA		20 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	297.48	26.14
			<i>For &gt;5 To 10, Deduct</i>	-8.07	
			<i>For &gt;10, Deduct</i>	-16.13	
			<i>For Placement In Cabinet, Deduct</i>	-68.08	
10 44 16 13-0014	EA		50 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher.....	1,934.80	41.39
			<i>For &gt;5 To 10, Deduct</i>	-85.85	
			<i>For &gt;10, Deduct</i>	-171.70	
10 44 16 13-0015	EA		125 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher.....	2,875.12	41.39
			<i>For &gt;5 To 10, Deduct</i>	-132.86	
			<i>For &gt;10, Deduct</i>	-265.73	
10 44 16 13-0016	EA		5 LB Dry Chemical Extinguisher, Red Steel, 2A:10B:C.....	146.79	16.34
			<i>For &gt;5 To 10, Deduct</i>	-3.15	
			<i>For &gt;10, Deduct</i>	-6.30	
10 44 16 13-0017	EA		10 LB Dry Chemical Extinguisher, Red Steel, 2A:20B:C.....	207.62	20.70
			<i>For &gt;5 To 10, Deduct</i>	-4.94	
			<i>For &gt;10, Deduct</i>	-9.87	
<b>10 44 16 13-0018</b>			<b>Dry Chemical Type, Class BC Portable Fire Extinguisher (10 44 16 13)</b>		
10 44 16 13-0019	EA		5 LB Dry Chemical Extinguisher, Red Steel, 40B:C.....	151.72	36.31
<b>10 44 16 13-0020</b>			<b>Other Portable Fire Extinguishers (10 44 16 13)</b>		
10 44 16 13-0021	EA		2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher.....	215.84	16.34
			Note: Stainless steel.		
			<i>For &gt;5 To 10, Deduct</i>	-6.60	
			<i>For &gt;10, Deduct</i>	-13.21	
			<i>For Placement In Cabinet, Deduct</i>	-41.90	
10 44 16 13-0022	EA		1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	326.75	26.14
			Note: Stainless steel.		
			<i>For &gt;5 To 10, Deduct</i>	-9.53	
			<i>For &gt;10, Deduct</i>	-19.06	
			<i>For Placement In Cabinet, Deduct</i>	-68.08	
10 44 16 13-0023	EA		2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	347.50	26.14
			Note: Stainless steel.		
			<i>For &gt;5 To 10, Deduct</i>	-10.57	
			<i>For &gt;10, Deduct</i>	-21.13	
			<i>For Placement In Cabinet, Deduct</i>	-68.08	
10 44 16 13-0024	EA		30 LB Dry Powder, Class D Portable Fire Extinguisher.....	490.93	26.14
			Note: Yellow steel.		
			<i>For &gt;5 To 10, Deduct</i>	-17.74	
			<i>For &gt;10, Deduct</i>	-35.48	
10 44 16 13-0025	EA		5 LB Halotron 1 Fire Extinguisher, 5B:C.....	357.52	36.31
			<i>For &gt;5 To 10, Deduct</i>	-14.25	
			<i>For &gt;10, Deduct</i>	-28.49	



<b>10</b>	<b>Specialties</b>
<b>10 50</b>	<b>Storage Specialties</b>
<b>10 51</b>	<b>Lockers</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0007 EA 12" x 15" x 60" Single Tier Institutional Or Corridor Locker.....	290.79	33.76
For >25 To 50, Deduct	-11.16	
For >50 To 100, Deduct	-23.34	
For >100, Deduct	-35.51	
For 14 Gauge Doors, Add	17.86	
10 51 13 00-0008 EA 12" x 18" x 60" Single Tier Institutional Or Corridor Locker.....	306.15	33.76
For >25 To 50, Deduct	-11.93	
For >50 To 100, Deduct	-24.87	
For >100, Deduct	-37.82	
For 14 Gauge Doors, Add	19.09	
10 51 13 00-0009 EA 12" x 12" x 72" Single Tier Institutional Or Corridor Locker.....	305.04	34.86
For >25 To 50, Deduct	-11.77	
For >50 To 100, Deduct	-24.58	
For >100, Deduct	-37.39	
For 14 Gauge Doors, Add	18.83	
10 51 13 00-0010 EA 12" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	314.35	34.86
For >25 To 50, Deduct	-12.23	
For >50 To 100, Deduct	-25.51	
For >100, Deduct	-38.79	
For 14 Gauge Doors, Add	19.57	
10 51 13 00-0011 EA 12" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	323.43	34.86
For >25 To 50, Deduct	-12.69	
For >50 To 100, Deduct	-26.42	
For >100, Deduct	-40.15	
For 14 Gauge Doors, Add	20.30	
10 51 13 00-0012 EA 15" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	339.11	34.86
For >25 To 50, Deduct	-13.47	
For >50 To 100, Deduct	-27.99	
For >100, Deduct	-42.50	
For 14 Gauge Doors, Add	21.55	
10 51 13 00-0013 EA 15" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	354.62	34.86
For >25 To 50, Deduct	-14.25	
For >50 To 100, Deduct	-29.54	
For >100, Deduct	-44.83	
For 14 Gauge Doors, Add	22.79	
10 51 13 00-0014 EA 18" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	371.05	34.86
For >25 To 50, Deduct	-15.07	
For >50 To 100, Deduct	-31.18	
For >100, Deduct	-47.29	
For 14 Gauge Doors, Add	24.11	
10 51 13 00-0015 EA 18" x 21" x 72" Single Tier Institutional Or Corridor Locker.....	386.22	34.86
For >25 To 50, Deduct	-15.83	
For >50 To 100, Deduct	-32.70	
For >100, Deduct	-49.57	
For 14 Gauge Doors, Add	25.32	
10 51 13 00-0016 EA 24" x 24" x 72" Single Tier Institutional Or Corridor Locker.....	524.83	34.86
For >25 To 50, Deduct	-22.76	
For >50 To 100, Deduct	-46.56	
For >100, Deduct	-70.36	
For 14 Gauge Doors, Add	36.41	
<b>10 51 13 00-0017 Two Tier Institutional Or Corridor Locker (10 51 13 00-0001)</b>		
Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0018 EA 12" x 12" x 60" Two Tier Institutional Or Corridor Locker.....	331.26	34.86
For >25 To 50, Deduct	-13.08	
For >50 To 100, Deduct	-27.20	
For >100, Deduct	-41.32	
For 14 Gauge Doors, Add	28.77	
10 51 13 00-0019 EA 12" x 15" x 60" Two Tier Institutional Or Corridor Locker.....	338.34	34.86
For >25 To 50, Deduct	-13.43	
For >50 To 100, Deduct	-27.91	
For >100, Deduct	-42.39	
For 14 Gauge Doors, Add	29.55	
10 51 13 00-0020 EA 12" x 18" x 60" Two Tier Institutional Or Corridor Locker.....	345.47	34.86
For >25 To 50, Deduct	-13.79	
For >50 To 100, Deduct	-28.62	
For >100, Deduct	-43.46	
For 14 Gauge Doors, Add	30.33	
10 51 13 00-0021 EA 12" x 12" x 72" Two Tier Institutional Or Corridor Locker.....	346.44	35.95
For >25 To 50, Deduct	-13.73	
For >50 To 100, Deduct	-28.53	
For >100, Deduct	-43.34	
For 14 Gauge Doors, Add	30.20	
10 51 13 00-0022 EA 12" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	361.92	35.95
For >25 To 50, Deduct	-14.50	
For >50 To 100, Deduct	-30.08	
For >100, Deduct	-45.66	
For 14 Gauge Doors, Add	31.90	
10 51 13 00-0023 EA 12" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	371.26	35.95
For >25 To 50, Deduct	-14.97	
For >50 To 100, Deduct	-31.01	
For >100, Deduct	-47.06	
For 14 Gauge Doors, Add	32.93	



<b>Specialties</b>	<b>10</b>
Storage Specialties	10 50
Lockers	10 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0024	EA	15" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	384.64	35.95
			<i>For &gt;25 To 50, Deduct</i>	-15.64	
			<i>For &gt;50 To 100, Deduct</i>	-32.35	
			<i>For &gt;100, Deduct</i>	-49.07	
			<i>For 14 Gauge Doors, Add</i>	34.40	
10 51	13 00-0025	EA	15" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	398.09	35.95
			<i>For &gt;25 To 50, Deduct</i>	-16.31	
			<i>For &gt;50 To 100, Deduct</i>	-33.70	
			<i>For &gt;100, Deduct</i>	-51.09	
			<i>For 14 Gauge Doors, Add</i>	35.88	
10 51	13 00-0026	EA	18" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	458.92	35.95
			<i>For &gt;25 To 50, Deduct</i>	-19.35	
			<i>For &gt;50 To 100, Deduct</i>	-39.78	
			<i>For &gt;100, Deduct</i>	-60.21	
			<i>For 14 Gauge Doors, Add</i>	42.57	
10 51	13 00-0027	EA	18" x 21" x 72" Two Tier Institutional Or Corridor Locker.....	469.97	35.95
			<i>For &gt;25 To 50, Deduct</i>	-19.90	
			<i>For &gt;50 To 100, Deduct</i>	-40.89	
			<i>For &gt;100, Deduct</i>	-61.87	
			<i>For 14 Gauge Doors, Add</i>	43.79	
<b>10 51 13 00-0028 Three Tier Institutional Or Corridor Locker</b> <small>(10 51 13 00-0001)</small>					
Note: Includes one double hook per tier.					
10 51	13 00-0029	EA	12" x 12" x 72" Three Tier Institutional Or Corridor Locker.....	389.69	37.04
			<i>For &gt;25 To 50, Deduct</i>	-15.78	
			<i>For &gt;50 To 100, Deduct</i>	-32.67	
			<i>For &gt;100, Deduct</i>	-49.57	
			<i>For 14 Gauge Doors, Add</i>	47.34	
10 51	13 00-0030	EA	12" x 15" x 72" Three Tier Institutional Or Corridor Locker.....	396.96	37.04
			<i>For &gt;25 To 50, Deduct</i>	-16.14	
			<i>For &gt;50 To 100, Deduct</i>	-33.40	
			<i>For &gt;100, Deduct</i>	-50.66	
			<i>For 14 Gauge Doors, Add</i>	48.43	
10 51	13 00-0031	EA	12" x 18" x 72" Three Tier Institutional Or Corridor Locker.....	422.78	37.04
			<i>For &gt;25 To 50, Deduct</i>	-17.44	
			<i>For &gt;50 To 100, Deduct</i>	-35.98	
			<i>For &gt;100, Deduct</i>	-54.53	
			<i>For 14 Gauge Doors, Add</i>	52.31	
10 51	13 00-0032	EA	15" x 15" x 72" Three Tier Institutional Or Corridor Locker.....	447.52	37.04
			<i>For &gt;25 To 50, Deduct</i>	-18.67	
			<i>For &gt;50 To 100, Deduct</i>	-38.46	
			<i>For &gt;100, Deduct</i>	-58.24	
			<i>For 14 Gauge Doors, Add</i>	56.02	
10 51	13 00-0033	EA	15" x 18" x 72" Three Tier Institutional Or Corridor Locker.....	467.21	37.04
			<i>For &gt;25 To 50, Deduct</i>	-19.66	
			<i>For &gt;50 To 100, Deduct</i>	-40.43	
			<i>For &gt;100, Deduct</i>	-61.19	
			<i>For 14 Gauge Doors, Add</i>	58.97	
<b>10 51 13 00-0034 Four Tier Institutional Or Corridor Locker</b> <small>(10 51 13 00-0001)</small>					
10 51	13 00-0035	EA	12" x 12" x 72" Four Tier Institutional Or Corridor Locker.....	382.16	38.12
			<i>For &gt;25 To 50, Deduct</i>	-15.30	
			<i>For &gt;50 To 100, Deduct</i>	-31.73	
			<i>For &gt;100, Deduct</i>	-48.17	
10 51	13 00-0036	EA	12" x 15" x 72" Four Tier Institutional Or Corridor Locker.....	394.83	38.12
			<i>For &gt;25 To 50, Deduct</i>	-15.93	
			<i>For &gt;50 To 100, Deduct</i>	-33.00	
			<i>For &gt;100, Deduct</i>	-50.07	
10 51	13 00-0037	EA	12" x 18" x 72" Four Tier Institutional Or Corridor Locker.....	415.24	38.12
			<i>For &gt;25 To 50, Deduct</i>	-16.95	
			<i>For &gt;50 To 100, Deduct</i>	-35.04	
			<i>For &gt;100, Deduct</i>	-53.14	
10 51	13 00-0038	EA	15" x 15" x 72" Four Tier Institutional Or Corridor Locker.....	431.56	38.12
			<i>For &gt;25 To 50, Deduct</i>	-17.77	
			<i>For &gt;50 To 100, Deduct</i>	-36.67	
			<i>For &gt;100, Deduct</i>	-55.58	
10 51	13 00-0039	EA	15" x 18" x 72" Four Tier Institutional Or Corridor Locker.....	455.07	38.12
			<i>For &gt;25 To 50, Deduct</i>	-18.94	
			<i>For &gt;50 To 100, Deduct</i>	-39.03	
			<i>For &gt;100, Deduct</i>	-59.11	
<b>10 51 13 00-0040 Six Tier Institutional Or Corridor Locker</b> <small>(10 51 13 00-0001)</small>					
10 51	13 00-0041	EA	12" x 12" x 72" Six Tier Institutional Or Corridor Locker.....	416.24	39.21
			<i>For &gt;25 To 50, Deduct</i>	-16.89	
			<i>For &gt;50 To 100, Deduct</i>	-34.96	
			<i>For &gt;100, Deduct</i>	-53.02	
10 51	13 00-0042	EA	12" x 15" x 72" Six Tier Institutional Or Corridor Locker.....	426.01	39.21
			<i>For &gt;25 To 50, Deduct</i>	-17.38	
			<i>For &gt;50 To 100, Deduct</i>	-35.93	
			<i>For &gt;100, Deduct</i>	-54.49	

**10 Specialties****10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0043	EA		12" x 18" x 72" Six Tier Institutional Or Corridor Locker.....	444.48	39.21
			<i>For &gt;25 To 50, Deduct</i>	-18.30	
			<i>For &gt;50 To 100, Deduct</i>	-37.78	
			<i>For &gt;100, Deduct</i>	-57.26	
<b>10 51 13 00-0044</b>			<b>Locker And Coat Rack Combination</b> (10 51 13 00-0001)		
10 51 13 00-0045	EA		45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination.....	779.29	26.14
10 51 13 00-0046	EA		72" x 18" x 78", 16 Person Locker And Coat Rack Combination .....	1,243.51	54.46
<b>10 51 13 00-0047</b>			<b>Athletic Lockers</b> (10 51 13)		
			Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.		
<b>10 51 13 00-0048</b>			<b>Single Tier Athletic Locker</b> (10 51 13 00-0047)		
			Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0049	EA		12" x 15" x 60" Single Tier Athletic Locker .....	422.55	34.86
			<i>For &gt;25 To 50, Deduct</i>	-17.64	
			<i>For &gt;50 To 100, Deduct</i>	-36.33	
			<i>For &gt;100, Deduct</i>	-55.02	
10 51 13 00-0050	EA		12" x 18" x 60" Single Tier Athletic Locker .....	437.45	34.86
			<i>For &gt;25 To 50, Deduct</i>	-18.39	
			<i>For &gt;50 To 100, Deduct</i>	-37.82	
			<i>For &gt;100, Deduct</i>	-57.25	
10 51 13 00-0051	EA		15" x 15" x 60" Single Tier Athletic Locker .....	447.03	34.86
			<i>For &gt;25 To 50, Deduct</i>	-18.87	
			<i>For &gt;50 To 100, Deduct</i>	-38.78	
			<i>For &gt;100, Deduct</i>	-58.69	
10 51 13 00-0052	EA		15" x 18" x 60" Single Tier Athletic Locker .....	462.94	34.86
			<i>For &gt;25 To 50, Deduct</i>	-19.66	
			<i>For &gt;50 To 100, Deduct</i>	-40.37	
			<i>For &gt;100, Deduct</i>	-61.08	
10 51 13 00-0053	EA		18" x 18" x 60" Single Tier Athletic Locker .....	531.56	34.86
			<i>For &gt;25 To 50, Deduct</i>	-23.09	
			<i>For &gt;50 To 100, Deduct</i>	-47.23	
			<i>For &gt;100, Deduct</i>	-71.37	
10 51 13 00-0054	EA		18" x 21" x 60" Single Tier Athletic Locker .....	586.12	34.86
			<i>For &gt;25 To 50, Deduct</i>	-25.82	
			<i>For &gt;50 To 100, Deduct</i>	-52.69	
			<i>For &gt;100, Deduct</i>	-79.55	
10 51 13 00-0055	EA		18" x 24" x 60" Single Tier Athletic Locker .....	623.44	34.86
			<i>For &gt;25 To 50, Deduct</i>	-27.69	
			<i>For &gt;50 To 100, Deduct</i>	-56.42	
			<i>For &gt;100, Deduct</i>	-85.15	
10 51 13 00-0056	EA		12" x 15" x 72" Single Tier Athletic Locker .....	439.09	34.86
			<i>For &gt;25 To 50, Deduct</i>	-18.47	
			<i>For &gt;50 To 100, Deduct</i>	-37.98	
			<i>For &gt;100, Deduct</i>	-57.50	
10 51 13 00-0057	EA		12" x 18" x 72" Single Tier Athletic Locker .....	465.93	34.86
			<i>For &gt;25 To 50, Deduct</i>	-19.81	
			<i>For &gt;50 To 100, Deduct</i>	-40.67	
			<i>For &gt;100, Deduct</i>	-61.52	
10 51 13 00-0058	EA		15" x 15" x 72" Single Tier Athletic Locker .....	475.36	34.86
			<i>For &gt;25 To 50, Deduct</i>	-20.28	
			<i>For &gt;50 To 100, Deduct</i>	-41.61	
			<i>For &gt;100, Deduct</i>	-62.94	
10 51 13 00-0059	EA		15" x 18" x 72" Single Tier Athletic Locker .....	492.59	34.86
			<i>For &gt;25 To 50, Deduct</i>	-21.14	
			<i>For &gt;50 To 100, Deduct</i>	-43.33	
			<i>For &gt;100, Deduct</i>	-65.52	
10 51 13 00-0060	EA		18" x 18" x 72" Single Tier Athletic Locker .....	535.08	34.86
			<i>For &gt;25 To 50, Deduct</i>	-23.27	
			<i>For &gt;50 To 100, Deduct</i>	-47.58	
			<i>For &gt;100, Deduct</i>	-71.90	
10 51 13 00-0061	EA		18" x 21" x 72" Single Tier Athletic Locker .....	579.60	34.86
			<i>For &gt;25 To 50, Deduct</i>	-25.49	
			<i>For &gt;50 To 100, Deduct</i>	-52.03	
			<i>For &gt;100, Deduct</i>	-78.57	
<b>10 51 13 00-0062</b>			<b>Two Tier Athletic Locker</b> (10 51 13 00-0047)		
			Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0063	EA		12" x 12" x 60" Two Tier Athletic Locker .....	474.50	35.95
			<i>For &gt;25 To 50, Deduct</i>	-20.13	
			<i>For &gt;50 To 100, Deduct</i>	-41.34	
			<i>For &gt;100, Deduct</i>	-62.55	
10 51 13 00-0064	EA		12" x 15" x 60" Two Tier Athletic Locker .....	490.36	35.95
			<i>For &gt;25 To 50, Deduct</i>	-20.92	
			<i>For &gt;50 To 100, Deduct</i>	-42.92	
			<i>For &gt;100, Deduct</i>	-64.93	
10 51 13 00-0065	EA		12" x 18" x 60" Two Tier Athletic Locker .....	508.22	35.95
			<i>For &gt;25 To 50, Deduct</i>	-21.82	
			<i>For &gt;50 To 100, Deduct</i>	-44.71	
			<i>For &gt;100, Deduct</i>	-67.61	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0066 EA 15" x 15" x 60" Two Tier Athletic Locker .....	509.95	35.95
For >25 To 50, Deduct	-21.90	
For >50 To 100, Deduct	-44.88	
For >100, Deduct	-67.86	
10 51 13 00-0067 EA 15" x 18" x 60" Two Tier Athletic Locker .....	513.67	35.95
For >25 To 50, Deduct	-22.09	
For >50 To 100, Deduct	-45.26	
For >100, Deduct	-68.42	
10 51 13 00-0068 EA 18" x 18" x 60" Two Tier Athletic Locker .....	545.04	35.95
For >25 To 50, Deduct	-23.66	
For >50 To 100, Deduct	-48.39	
For >100, Deduct	-73.13	
10 51 13 00-0069 EA 18" x 21" x 60" Two Tier Athletic Locker .....	568.02	35.95
For >25 To 50, Deduct	-24.81	
For >50 To 100, Deduct	-50.69	
For >100, Deduct	-76.58	
10 51 13 00-0070 EA 18" x 24" x 60" Two Tier Athletic Locker .....	670.64	35.95
For >25 To 50, Deduct	-29.94	
For >50 To 100, Deduct	-60.95	
For >100, Deduct	-91.97	
10 51 13 00-0071 EA 12" x 12" x 72" Two Tier Athletic Locker .....	491.67	35.95
For >25 To 50, Deduct	-20.99	
For >50 To 100, Deduct	-43.06	
For >100, Deduct	-65.12	
10 51 13 00-0072 EA 12" x 15" x 72" Two Tier Athletic Locker .....	507.92	35.95
For >25 To 50, Deduct	-21.80	
For >50 To 100, Deduct	-44.68	
For >100, Deduct	-67.56	
10 51 13 00-0073 EA 12" x 18" x 72" Two Tier Athletic Locker .....	530.06	35.95
For >25 To 50, Deduct	-22.91	
For >50 To 100, Deduct	-46.89	
For >100, Deduct	-70.88	
10 51 13 00-0074 EA 15" x 15" x 72" Two Tier Athletic Locker .....	533.42	35.95
For >25 To 50, Deduct	-23.08	
For >50 To 100, Deduct	-47.23	
For >100, Deduct	-71.39	
10 51 13 00-0075 EA 15" x 18" x 72" Two Tier Athletic Locker .....	551.62	35.95
For >25 To 50, Deduct	-23.99	
For >50 To 100, Deduct	-49.05	
For >100, Deduct	-74.12	
10 51 13 00-0076 EA 18" x 18" x 72" Two Tier Athletic Locker .....	573.98	35.95
For >25 To 50, Deduct	-25.10	
For >50 To 100, Deduct	-51.29	
For >100, Deduct	-77.47	
10 51 13 00-0077 EA 18" x 21" x 72" Two Tier Athletic Locker .....	624.15	35.95
For >25 To 50, Deduct	-27.61	
For >50 To 100, Deduct	-56.30	
For >100, Deduct	-84.99	
<b>10 51 13 00-0078 Three Tier Athletic Locker</b> <small>(10 51 13 00-0047)</small>		
Note: Includes one double hook per tier.		
10 51 13 00-0079 EA 12" x 12" x 60" Three Tier Athletic Locker .....	514.87	37.04
For >25 To 50, Deduct	-22.04	
For >50 To 100, Deduct	-45.19	
For >100, Deduct	-68.34	
10 51 13 00-0080 EA 12" x 15" x 60" Three Tier Athletic Locker .....	540.58	37.04
For >25 To 50, Deduct	-23.33	
For >50 To 100, Deduct	-47.76	
For >100, Deduct	-72.20	
10 51 13 00-0081 EA 12" x 18" x 60" Three Tier Athletic Locker .....	563.30	37.04
For >25 To 50, Deduct	-24.46	
For >50 To 100, Deduct	-50.03	
For >100, Deduct	-75.61	
10 51 13 00-0082 EA 15" x 15" x 60" Three Tier Athletic Locker .....	578.74	37.04
For >25 To 50, Deduct	-25.23	
For >50 To 100, Deduct	-51.58	
For >100, Deduct	-77.92	
10 51 13 00-0083 EA 15" x 18" x 60" Three Tier Athletic Locker .....	604.44	37.04
For >25 To 50, Deduct	-26.52	
For >50 To 100, Deduct	-54.15	
For >100, Deduct	-81.78	
10 51 13 00-0084 EA 12" x 12" x 72" Three Tier Athletic Locker .....	544.16	37.04
For >25 To 50, Deduct	-23.50	
For >50 To 100, Deduct	-48.12	
For >100, Deduct	-72.74	
10 51 13 00-0085 EA 12" x 15" x 72" Three Tier Athletic Locker .....	567.37	37.04
For >25 To 50, Deduct	-24.67	
For >50 To 100, Deduct	-50.44	
For >100, Deduct	-76.22	
10 51 13 00-0086 EA 12" x 18" x 72" Three Tier Athletic Locker .....	599.41	37.04
For >25 To 50, Deduct	-26.27	
For >50 To 100, Deduct	-53.65	
For >100, Deduct	-81.02	

**10 Specialties****10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0087	EA	15" x 15" x 72" Three Tier Athletic Locker.....	615.80	37.04
			<i>For &gt;25 To 50, Deduct</i>	-27.09	
			<i>For &gt;50 To 100, Deduct</i>	-55.28	
			<i>For &gt;100, Deduct</i>	-83.48	
10 51	13 00-0088	EA	15" x 18" x 72" Three Tier Athletic Locker.....	640.40	37.04
			<i>For &gt;25 To 50, Deduct</i>	-28.32	
			<i>For &gt;50 To 100, Deduct</i>	-57.74	
			<i>For &gt;100, Deduct</i>	-87.17	
<b>10 51</b>	<b>13 00-0089</b>		<b>Four Tier Athletic Locker</b> <small>(10 51 13 00-0047)</small>		
10 51	13 00-0090	EA	12" x 12" x 60" Four Tier Athletic Locker.....	473.20	38.12
			<i>For &gt;25 To 50, Deduct</i>	-19.85	
			<i>For &gt;50 To 100, Deduct</i>	-40.84	
			<i>For &gt;100, Deduct</i>	-61.83	
10 51	13 00-0091	EA	12" x 15" x 60" Four Tier Athletic Locker.....	504.69	38.12
			<i>For &gt;25 To 50, Deduct</i>	-21.42	
			<i>For &gt;50 To 100, Deduct</i>	-43.99	
			<i>For &gt;100, Deduct</i>	-66.55	
10 51	13 00-0092	EA	12" x 18" x 60" Four Tier Athletic Locker.....	536.17	38.12
			<i>For &gt;25 To 50, Deduct</i>	-23.00	
			<i>For &gt;50 To 100, Deduct</i>	-47.14	
			<i>For &gt;100, Deduct</i>	-71.28	
10 51	13 00-0093	EA	15" x 15" x 60" Four Tier Athletic Locker.....	549.04	38.12
			<i>For &gt;25 To 50, Deduct</i>	-23.64	
			<i>For &gt;50 To 100, Deduct</i>	-48.42	
			<i>For &gt;100, Deduct</i>	-73.21	
10 51	13 00-0094	EA	15" x 18" x 60" Four Tier Athletic Locker.....	600.75	38.12
			<i>For &gt;25 To 50, Deduct</i>	-26.23	
			<i>For &gt;50 To 100, Deduct</i>	-53.59	
			<i>For &gt;100, Deduct</i>	-80.96	
10 51	13 00-0095	EA	12" x 12" x 72" Four Tier Athletic Locker.....	505.24	38.12
			<i>For &gt;25 To 50, Deduct</i>	-21.45	
			<i>For &gt;50 To 100, Deduct</i>	-44.04	
			<i>For &gt;100, Deduct</i>	-66.64	
10 51	13 00-0096	EA	12" x 15" x 72" Four Tier Athletic Locker.....	537.17	38.12
			<i>For &gt;25 To 50, Deduct</i>	-23.05	
			<i>For &gt;50 To 100, Deduct</i>	-47.24	
			<i>For &gt;100, Deduct</i>	-71.43	
10 51	13 00-0097	EA	12" x 18" x 72" Four Tier Athletic Locker.....	569.10	38.12
			<i>For &gt;25 To 50, Deduct</i>	-24.64	
			<i>For &gt;50 To 100, Deduct</i>	-50.43	
			<i>For &gt;100, Deduct</i>	-76.22	
10 51	13 00-0098	EA	15" x 15" x 72" Four Tier Athletic Locker.....	585.46	38.12
			<i>For &gt;25 To 50, Deduct</i>	-25.46	
			<i>For &gt;50 To 100, Deduct</i>	-52.06	
			<i>For &gt;100, Deduct</i>	-78.67	
10 51	13 00-0099	EA	15" x 18" x 72" Four Tier Athletic Locker.....	597.73	38.12
			<i>For &gt;25 To 50, Deduct</i>	-26.07	
			<i>For &gt;50 To 100, Deduct</i>	-53.29	
			<i>For &gt;100, Deduct</i>	-80.51	
<b>10 51</b>	<b>13 00-0100</b>		<b>Six Tier Athletic Locker</b> <small>(10 51 13 00-0047)</small>		
10 51	13 00-0101	EA	12" x 12" x 72" Six Tier Athletic Locker.....	561.13	39.21
			<i>For &gt;25 To 50, Deduct</i>	-24.14	
			<i>For &gt;50 To 100, Deduct</i>	-49.45	
			<i>For &gt;100, Deduct</i>	-74.76	
10 51	13 00-0102	EA	12" x 15" x 72" Six Tier Athletic Locker.....	585.66	39.21
			<i>For &gt;25 To 50, Deduct</i>	-25.36	
			<i>For &gt;50 To 100, Deduct</i>	-51.90	
			<i>For &gt;100, Deduct</i>	-78.44	
10 51	13 00-0103	EA	12" x 18" x 72" Six Tier Athletic Locker.....	610.15	39.21
			<i>For &gt;25 To 50, Deduct</i>	-26.59	
			<i>For &gt;50 To 100, Deduct</i>	-54.35	
			<i>For &gt;100, Deduct</i>	-82.11	
10 51	13 00-0104	EA	12" x 21" x 72" Six Tier Athletic Locker.....	699.52	39.21
			<i>For &gt;25 To 50, Deduct</i>	-31.05	
			<i>For &gt;50 To 100, Deduct</i>	-63.29	
			<i>For &gt;100, Deduct</i>	-95.52	
<b>10 51</b>	<b>13 00-0105</b>		<b>Open Front, All-Welded Steel Stadium Lockers</b> <small>(10 51 13)</small>		
			Note: 16 gauge perforated with diamond-shaped holes sides, 18 gauge solid back, 16 gauge top, bottom, front frame and shelf. The gauge of the optional foot locker seat and security box door is 14 GA.		
10 51	13 00-0106	EA	18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD01).....	277.21	20.97
			Note: Includes shelf and 4" high integral base.		
			<i>For &gt;25 To 50, Deduct</i>	-12.36	
			<i>For &gt;50 To 100, Deduct</i>	-25.17	
			<i>For &gt;100, Deduct</i>	-37.99	
10 51	13 00-0107	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD10).....	297.69	22.87
			Note: Includes shelf and 4" high integral base.		
			<i>For &gt;25 To 50, Deduct</i>	-13.25	
			<i>For &gt;50 To 100, Deduct</i>	-26.99	
			<i>For &gt;100, Deduct</i>	-40.73	





<b>Specialties</b>	<b>10</b>
<b>Storage Specialties</b>	<b>10 50</b>
<b>Lockers</b>	<b>10 51</b>

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0108	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD20) ..... Note: Includes shelf and 4" high integral base.	310.89	22.87
			<i>For &gt;25 To 50, Deduct</i>	-13.91	
			<i>For &gt;50 To 100, Deduct</i>	-28.31	
			<i>For &gt;100, Deduct</i>	-42.71	
10 51	13 00-0109	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD30) ..... Note: Includes shelf and 4" high integral base.	323.00	22.87
			<i>For &gt;25 To 50, Deduct</i>	-14.52	
			<i>For &gt;50 To 100, Deduct</i>	-29.52	
			<i>For &gt;100, Deduct</i>	-44.53	
10 51	13 00-0110	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD40) ..... Note: Includes shelf and 4" high integral base.	305.34	26.36
			<i>For &gt;25 To 50, Deduct</i>	-13.39	
			<i>For &gt;50 To 100, Deduct</i>	-27.34	
			<i>For &gt;100, Deduct</i>	-41.29	
10 51	13 00-0111	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD50) ..... Note: Includes shelf and 4" high integral base.	328.75	26.36
			<i>For &gt;25 To 50, Deduct</i>	-14.56	
			<i>For &gt;50 To 100, Deduct</i>	-29.68	
			<i>For &gt;100, Deduct</i>	-44.80	
10 51	13 00-0112	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD60) ..... Note: Includes shelf and 4" high integral base.	339.13	26.36
			<i>For &gt;25 To 50, Deduct</i>	-15.08	
			<i>For &gt;50 To 100, Deduct</i>	-30.72	
			<i>For &gt;100, Deduct</i>	-46.36	
10 51	13 00-0113	EA	18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD09) ..... Note: Includes shelf, security box and 4" high integral base.	285.97	20.97
			<i>For &gt;25 To 50, Deduct</i>	-12.80	
			<i>For &gt;50 To 100, Deduct</i>	-26.05	
			<i>For &gt;100, Deduct</i>	-39.30	
10 51	13 00-0114	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD11) ..... Note: Includes shelf, security box and 4" high integral base.	325.30	22.87
			<i>For &gt;25 To 50, Deduct</i>	-14.63	
			<i>For &gt;50 To 100, Deduct</i>	-29.75	
			<i>For &gt;100, Deduct</i>	-44.87	
10 51	13 00-0115	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD21) ..... Note: Includes shelf, security box and 4" high integral base.	340.48	22.87
			<i>For &gt;25 To 50, Deduct</i>	-15.39	
			<i>For &gt;50 To 100, Deduct</i>	-31.27	
			<i>For &gt;100, Deduct</i>	-47.15	
10 51	13 00-0116	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD31) ..... Note: Includes shelf, security box and 4" high integral base.	347.25	22.87
			<i>For &gt;25 To 50, Deduct</i>	-15.73	
			<i>For &gt;50 To 100, Deduct</i>	-31.95	
			<i>For &gt;100, Deduct</i>	-48.17	
10 51	13 00-0117	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD41) ..... Note: Includes shelf, security box and 4" high integral base.	334.95	26.36
			<i>For &gt;25 To 50, Deduct</i>	-14.87	
			<i>For &gt;50 To 100, Deduct</i>	-30.30	
			<i>For &gt;100, Deduct</i>	-45.73	
10 51	13 00-0118	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD51) ..... Note: Includes shelf, security box and 4" high integral base.	358.37	26.36
			<i>For &gt;25 To 50, Deduct</i>	-16.04	
			<i>For &gt;50 To 100, Deduct</i>	-32.64	
			<i>For &gt;100, Deduct</i>	-49.25	
10 51	13 00-0119	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD61) ..... Note: Includes shelf, security box and 4" high integral base.	365.29	26.36
			<i>For &gt;25 To 50, Deduct</i>	-16.39	
			<i>For &gt;50 To 100, Deduct</i>	-33.33	
			<i>For &gt;100, Deduct</i>	-50.28	
10 51	13 00-0120	EA	18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD02) ..... Note: Includes shelf, foot locker and 4" high integral base.	340.64	20.97
			<i>For &gt;25 To 50, Deduct</i>	-15.53	
			<i>For &gt;50 To 100, Deduct</i>	-31.52	
			<i>For &gt;100, Deduct</i>	-47.50	
10 51	13 00-0121	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD12) ..... Note: Includes shelf, foot locker and 4" high integral base.	362.33	22.87
			<i>For &gt;25 To 50, Deduct</i>	-16.48	
			<i>For &gt;50 To 100, Deduct</i>	-33.46	
			<i>For &gt;100, Deduct</i>	-50.43	
10 51	13 00-0122	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD22) ..... Note: Includes shelf, foot locker and 4" high integral base.	380.83	22.87
			<i>For &gt;25 To 50, Deduct</i>	-17.41	
			<i>For &gt;50 To 100, Deduct</i>	-35.31	
			<i>For &gt;100, Deduct</i>	-53.20	
10 51	13 00-0123	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD32) ..... Note: Includes shelf, foot locker and 4" high integral base.	384.34	22.87
			<i>For &gt;25 To 50, Deduct</i>	-17.58	
			<i>For &gt;50 To 100, Deduct</i>	-35.66	
			<i>For &gt;100, Deduct</i>	-53.73	
10 51	13 00-0124	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD42) ..... Note: Includes shelf, foot locker and 4" high integral base.	425.93	26.36
			<i>For &gt;25 To 50, Deduct</i>	-19.42	
			<i>For &gt;50 To 100, Deduct</i>	-39.40	
			<i>For &gt;100, Deduct</i>	-59.38	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0125	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD52).....	437.58	26.36
			Note: Includes shelf, foot locker and 4" high integral base.		
			For >25 To 50, Deduct	-20.00	
			For >50 To 100, Deduct	-40.56	
			For >100, Deduct	-61.13	
10 51	13 00-0126	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD62).....	450.36	26.36
			Note: Includes shelf, foot locker and 4" high integral base.		
			For >25 To 50, Deduct	-20.64	
			For >50 To 100, Deduct	-41.84	
			For >100, Deduct	-63.04	
10 51	13 00-0127	EA	18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD03).....	368.99	20.97
			Note: Includes shelf, foot locker, security box and 4" high integral base.		
			For >25 To 50, Deduct	-16.95	
			For >50 To 100, Deduct	-34.35	
			For >100, Deduct	-51.75	
10 51	13 00-0128	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD13).....	398.86	22.87
			Note: Includes shelf, foot locker, security box and 4" high integral base.		
			For >25 To 50, Deduct	-18.31	
			For >50 To 100, Deduct	-37.11	
			For >100, Deduct	-55.91	
10 51	13 00-0129	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD23).....	406.06	22.87
			Note: Includes shelf, foot locker, security box and 4" high integral base.		
			For >25 To 50, Deduct	-18.67	
			For >50 To 100, Deduct	-37.83	
			For >100, Deduct	-56.99	
10 51	13 00-0130	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD33).....	423.56	22.87
			Note: Includes shelf, foot locker, security box and 4" high integral base.		
			For >25 To 50, Deduct	-19.54	
			For >50 To 100, Deduct	-39.58	
			For >100, Deduct	-59.61	
10 51	13 00-0131	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD43).....	551.89	26.36
			Note: Includes shelf, foot locker, security box and 4" high integral base.		
			For >25 To 50, Deduct	-25.72	
			For >50 To 100, Deduct	-51.99	
			For >100, Deduct	-78.27	
10 51	13 00-0132	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD53).....	560.76	26.36
			Note: Includes shelf, foot locker, security box and 4" high integral base.		
			For >25 To 50, Deduct	-26.16	
			For >50 To 100, Deduct	-52.88	
			For >100, Deduct	-79.60	
10 51	13 00-0133	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD63).....	569.64	26.36
			Note: Includes shelf, foot locker, security box and 4" high integral base.		
			For >25 To 50, Deduct	-26.60	
			For >50 To 100, Deduct	-53.77	
			For >100, Deduct	-80.94	
10 51	13 00-0134		<b>Metal Locker Accessories</b> (10 51 13)		
10 51	13 00-0135		<b>Locker Slope Tops</b> (10 51 13 00-0134)		
10 51	13 00-0136		<b>16 Gauge Continuous Sloping Hood</b> (10 51 13 00-0135)		
10 51	13 00-0137	LF	12" Deep, 16 Gauge Continuous Slope Top.....	34.88	4.36
10 51	13 00-0138	LF	15" Deep, 16 Gauge Continuous Slope Top.....	29.29	4.36
10 51	13 00-0139	LF	18" Deep, 16 Gauge Continuous Slope Top.....	40.60	4.36
10 51	13 00-0140	LF	21" Deep, 16 Gauge Continuous Slope Top.....	44.94	4.36
10 51	13 00-0141	LF	24" Deep, 16 Gauge Continuous Slope Top.....	46.98	4.36
10 51	13 00-0142		<b>16 Gauge Slope Top Corner Fillers</b> (10 51 13 00-0135)		
10 51	13 00-0143	EA	12" Deep, 16 Gauge Slope Top Corner Fillers.....	147.04	4.36
10 51	13 00-0144	EA	15" Deep, 16 Gauge Slope Top Corner Fillers.....	150.21	4.36
10 51	13 00-0145	EA	18" Deep, 16 Gauge Slope Top Corner Fillers.....	153.36	4.36
10 51	13 00-0146	EA	21" Deep, 16 Gauge Slope Top Corner Fillers.....	157.19	4.36
10 51	13 00-0147	EA	24" Deep, 16 Gauge Slope Top Corner Fillers.....	160.97	4.36
10 51	13 00-0148		<b>20 Gauge Individual Slope Top</b> (10 51 13 00-0135)		
10 51	13 00-0149	EA	12" Wide x 12" Deep 20 Gauge Individual Slope Top.....	29.84	4.36
10 51	13 00-0150	EA	12" Wide x 15" Deep 20 Gauge Individual Slope Top.....	29.64	4.36
10 51	13 00-0151	EA	12" Wide x 18" Deep 20 Gauge Individual Slope Top.....	33.08	4.36
10 51	13 00-0152	EA	15" Wide x 15" Deep 20 Gauge Individual Slope Top.....	33.08	4.36
10 51	13 00-0153	EA	15" Wide x 18" Deep 20 Gauge Individual Slope Top.....	33.89	4.36
10 51	13 00-0154	EA	15" Wide x 21" Deep 20 Gauge Individual Slope Top.....	37.15	4.36
10 51	13 00-0155	EA	18" Wide x 18" Deep 20 Gauge Individual Slope Top.....	37.15	4.36
10 51	13 00-0156	EA	18" Wide x 21" Deep 20 Gauge Individual Slope Top.....	41.42	4.36
10 51	13 00-0157	EA	18" Wide x 24" Deep 20 Gauge Individual Slope Top.....	46.51	4.36
10 51	13 00-0158		<b>Continuous Slope Top End Closures</b> (10 51 13 00-0135)		
10 51	13 00-0159	PR	12" Deep, Continuous Slope Top End Closures.....	31.87	4.36
10 51	13 00-0160	PR	15" Deep, Continuous Slope Top End Closures.....	26.96	4.36
10 51	13 00-0161	PR	18" Deep, Continuous Slope Top End Closures.....	35.92	4.36
10 51	13 00-0162	PR	21" Deep, Continuous Slope Top End Closures.....	37.96	4.36



<b>Specialties</b>	<b>10</b>
<b>Storage Specialties</b>	<b>10 50</b>
<b>Lockers</b>	<b>10 51</b>

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0163 PR 24" Deep, Continuous Slope Top End Closures .....	39.35	4.36
<b>10 51 13 00-0164 Individual Slope Top End Closures (10 51 13 00-0135)</b>		
10 51 13 00-0165 EA 12" Deep, Individual Slope Top End Closures .....	20.29	4.36
10 51 13 00-0166 EA 15" Deep, Individual Slope Top End Closures .....	20.93	4.36
10 51 13 00-0167 EA 18" Deep, Individual Slope Top End Closures .....	22.34	4.36
10 51 13 00-0168 EA 21" Deep, Individual Slope Top End Closures .....	23.32	4.36
10 51 13 00-0169 EA 24" Deep, Individual Slope Top End Closures .....	33.34	4.36
<b>10 51 13 00-0170 Locker Base (10 51 13 00-0134)</b>		
<b>10 51 13 00-0171 Closed Front Base (10 51 13 00-0170)</b>		
10 51 13 00-0172 EA 12" Wide, 6" High Closed Front Base .....	21.38	4.36
10 51 13 00-0173 EA 15" Wide, 6" High Closed Front Base .....	22.44	4.36
10 51 13 00-0174 EA 18" Wide, 6" High Closed Front Base .....	24.65	4.36
10 51 13 00-0175 EA 24" Wide, 6" High Closed Front Base .....	25.71	4.36
<b>10 51 13 00-0176 Closed End Base (10 51 13 00-0170)</b>		
10 51 13 00-0177 EA 12" Deep, 6" High Closed End Base .....	24.32	4.36
10 51 13 00-0178 EA 15" Deep, 6" High Closed End Base .....	24.51	4.36
10 51 13 00-0179 EA 18" Deep, 6" High Closed End Base .....	25.94	4.36
10 51 13 00-0180 EA 21" Deep, 6" High Closed End Base .....	27.35	4.36
10 51 13 00-0181 EA 24" Deep, 6" High Closed End Base .....	29.27	4.36
<b>10 51 13 00-0182 Recessed Continuous Front "Z" Base (10 51 13 00-0170)</b>		
10 51 13 00-0183 LF 4" High Recessed Continuous Front "Z" Base .....	25.79	3.27
<b>10 51 13 00-0184 "Z" Base Ends Or Splice (10 51 13 00-0170)</b>		
10 51 13 00-0185 EA 12" Wide, 4" High Z-Base Ends Or Splice .....	25.47	4.36
10 51 13 00-0186 EA 15" Wide, 4" High Z-Base Ends Or Splice .....	29.64	4.36
10 51 13 00-0187 EA 18" Wide, 4" High Z-Base Ends Or Splice .....	33.89	4.36
10 51 13 00-0188 EA 21" Wide, 4" High Z-Base Ends Or Splice .....	38.37	4.36
10 51 13 00-0189 EA 24" Wide, 4" High Z-Base Ends Or Splice .....	42.83	4.36
<b>10 51 13 00-0190 Locker Front Fillers And End Panels (10 51 13 00-0134)</b>		
<b>10 51 13 00-0191 Locker Front Fillers (10 51 13 00-0190)</b>		
10 51 13 00-0192 EA 6" Wide x 48" High, 16 Gauge Front Filler .....	33.22	5.45
10 51 13 00-0193 EA 12" Wide x 48" High, 16 Gauge Front Filler .....	54.53	5.45
10 51 13 00-0194 EA 6" Wide x 60" High, 16 Gauge Front Filler .....	41.97	5.45
10 51 13 00-0195 EA 12" Wide x 60" High, 16 Gauge Front Filler .....	65.45	5.45
10 51 13 00-0196 EA 6" Wide x 66" High, 16 Gauge Front Filler .....	45.80	5.45
10 51 13 00-0197 EA 12" Wide x 66" High, 16 Gauge Front Filler .....	51.61	5.45
10 51 13 00-0198 EA 6" Wide x 72" High, 16 Gauge Front Filler .....	50.24	5.45
10 51 13 00-0199 EA 12" Wide x 72" High, 16 Gauge Front Filler .....	71.79	5.45
10 51 13 00-0200 EA 6" Wide x 78" High, 16 Gauge Front Filler .....	51.46	5.45
10 51 13 00-0201 EA 12" Wide x 78" High, 16 Gauge Front Filler .....	60.17	5.45
<b>10 51 13 00-0202 Locker End Panels (10 51 13 00-0190)</b>		
10 51 13 00-0203 EA 12" Deep x 48" High, 16 Gauge End Panel .....	55.71	4.36
10 51 13 00-0204 EA 15" Deep x 48" High, 16 Gauge End Panel .....	68.25	4.36
10 51 13 00-0205 EA 18" Deep x 48" High, 16 Gauge End Panel .....	80.32	4.36
10 51 13 00-0206 EA 12" Deep x 60" High, 16 Gauge End Panel .....	65.98	4.36
10 51 13 00-0207 EA 15" Deep x 60" High, 16 Gauge End Panel .....	74.98	4.36
10 51 13 00-0208 EA 18" Deep x 60" High, 16 Gauge End Panel .....	89.13	4.36
10 51 13 00-0209 EA 12" Deep x 72" High, 16 Gauge End Panel .....	77.94	4.36
10 51 13 00-0210 EA 15" Deep x 72" High, 16 Gauge End Panel .....	88.88	4.36
10 51 13 00-0211 EA 18" Deep x 72" High, 16 Gauge End Panel .....	103.44	4.36
10 51 13 00-0212 EA 21" Deep x 72" High, 16 Gauge End Panel .....	119.25	4.36
<b>10 51 13 00-0213 Locker Recessed Trim (10 51 13 00-0134)</b>		
10 51 13 00-0214 LF 3" Height, Top Trim For Recessed Lockers .....	11.17	2.17
10 51 13 00-0215 EA 3" Height, Inside And Outside Top Corner Trim For Recessed Lockers .....	31.22	4.36
10 51 13 00-0216 EA 60" Height, 3" Wide Side Trim For Recessed Lockers .....	48.09	4.36
10 51 13 00-0217 EA 66" Height, 3" Wide Side Trim For Recessed Lockers .....	49.87	4.36
10 51 13 00-0218 EA 72" Height, 3" Wide Side Trim For Recessed Lockers .....	51.64	4.36
10 51 13 00-0219 EA 78" Height, 3" Wide Side Trim For Recessed Lockers .....	53.20	4.36
<b>10 51 13 00-0220 Locker Interior Accessories (10 51 13 00-0134)</b>		
<b>10 51 13 00-0221 Locker Coat Rods (10 51 13 00-0220)</b>		

<b>10</b>	<b>10</b>	<b>Specialties</b>
	<b>10 50</b>	<b>Storage Specialties</b>
	<b>10 51</b>	<b>Lockers</b>



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
10 51 13 00-0222	EA	12" Wide Coat Rod .....		16.38	4.36
10 51 13 00-0223	EA	15" Wide Coat Rod .....		18.03	4.36
10 51 13 00-0224	EA	18" Wide Coat Rod .....		19.50	4.36
10 51 13 00-0225	EA	24" Wide Coat Rod .....		20.80	4.36
<b>10 51 13 00-0226</b>		<b>Locker Hat Shelf</b> <small>(10 51 13 00-0220)</small>			
10 51 13 00-0227	EA	12" Wide Hat Shelf .....		19.87	4.36
10 51 13 00-0228	EA	15" Wide Hat Shelf .....		23.44	4.36
10 51 13 00-0229	EA	18" Wide Hat Shelf .....		24.96	4.36
10 51 13 00-0230	EA	24" Wide Hat Shelf .....		30.93	4.36
<b>10 51 13 00-0231</b>		<b>Locker ADA Compliant Shelf</b> <small>(10 51 13 00-0220)</small>			
10 51 13 00-0232	EA	ADA Compliant Shelf For Single Tier Lockers .....		39.89	5.45
		Note: Includes an ADA label for locker face.			
<b>10 51 13 00-0233</b>		<b>Other Interior Locker Accessories</b> <small>(10 51 13 00-0220)</small>			
10 51 13 00-0234	EA	3" x 10" Bent Plate Shoe Rack .....		53.34	4.36
10 51 13 00-0235	EA	8" x 10" Mirror .....		42.18	4.36
10 51 13 00-0236	EA	Additional Hook .....		11.51	4.36
<b>10 51 13 00-0237</b>		<b>Locker Locks</b> <small>(10 51 13 00-0134)</small>			
10 51 13 00-0238	EA	Built In Combination Lock .....		46.35	4.36
<b>10 51 13 00-0239</b>		<b>Steel Basket Racks Mounted On Concrete Base</b> <small>(10 51 13)</small>			
		Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs.			
10 51 13 00-0240	EA	9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack .....		2,193.68	81.69
10 51 13 00-0241	EA	12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack .....		1,872.92	81.69
<b>10 51 13 00-0242</b>		<b>All-Welded Steel Lockers</b> <small>(10 51 13)</small>			
<b>10 51 13 00-0243</b>		<b>All-Welded Steel Lockers</b> <small>(10 51 13 00-0242)</small>			
		Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.			
<b>10 51 13 00-0244</b>		<b>Single Tier, All-Welded Steel Lockers</b> <small>(10 51 13 00-0243)</small>			
		Note: Includes one hat shelf, two single hooks and one double hook.			
10 51 13 00-0245	EA	12" x 12" x 48" Single Tier, All-Welded Steel Locker .....		162.69	19.07
		For >25 To 50, Deduct		-6.77	
		For >50 To 100, Deduct		-13.95	
		For >100, Deduct		-21.14	
10 51 13 00-0246	EA	12" x 15" x 48" Single Tier, All-Welded Steel Locker .....		170.68	19.07
		For >25 To 50, Deduct		-7.17	
		For >50 To 100, Deduct		-14.75	
		For >100, Deduct		-22.33	
10 51 13 00-0247	EA	12" x 18" x 48" Single Tier, All-Welded Steel Locker .....		178.38	19.07
		For >25 To 50, Deduct		-7.56	
		For >50 To 100, Deduct		-15.52	
		For >100, Deduct		-23.49	
10 51 13 00-0248	EA	12" x 12" x 60" Single Tier, All-Welded Steel Locker .....		169.29	19.07
		For >25 To 50, Deduct		-7.10	
		For >50 To 100, Deduct		-14.61	
		For >100, Deduct		-22.13	
10 51 13 00-0249	EA	12" x 15" x 60" Single Tier, All-Welded Steel Locker .....		176.99	19.07
		For >25 To 50, Deduct		-7.49	
		For >50 To 100, Deduct		-15.38	
		For >100, Deduct		-23.28	
10 51 13 00-0250	EA	12" x 18" x 60" Single Tier, All-Welded Steel Locker .....		184.68	19.07
		For >25 To 50, Deduct		-7.87	
		For >50 To 100, Deduct		-16.15	
		For >100, Deduct		-24.43	
10 51 13 00-0251	EA	12" x 12" x 72" Single Tier, All-Welded Steel Locker .....		179.14	20.97
		For >25 To 50, Deduct		-7.46	
		For >50 To 100, Deduct		-15.37	
		For >100, Deduct		-23.28	
10 51 13 00-0252	EA	12" x 15" x 72" Single Tier, All-Welded Steel Locker .....		186.26	20.97
		For >25 To 50, Deduct		-7.82	
		For >50 To 100, Deduct		-16.08	
		For >100, Deduct		-24.34	
10 51 13 00-0253	EA	12" x 18" x 72" Single Tier, All-Welded Steel Locker .....		193.96	20.97
		For >25 To 50, Deduct		-8.20	
		For >50 To 100, Deduct		-16.85	
		For >100, Deduct		-25.50	
10 51 13 00-0254	EA	15" x 15" x 72" Single Tier, All-Welded Steel Locker .....		201.16	20.97
		For >25 To 50, Deduct		-8.56	
		For >50 To 100, Deduct		-17.57	
		For >100, Deduct		-26.58	



<b>Specialties</b>	<b>10</b>
Storage Specialties	10 50
Lockers	10 51

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0255 EA 15" x 18" x 72" Single Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	207.09 -8.86 -18.16 -27.47	20.97
10 51 13 00-0256 EA 18" x 18" x 72" Single Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	215.27 -9.27 -18.98 -28.70	20.97
10 51 13 00-0257 EA 18" x 21" x 72" Single Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	224.47 -9.73 -19.90 -30.08	20.97
10 51 13 00-0258 EA 24" x 24" x 72" Single Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	363.09 -16.66 -33.76 -50.87	20.97
<b>10 51 13 00-0259 Two Tier, All-Welded Steel Lockers</b> <small>(10 51 13 00-0243)</small> Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0260 EA 12" x 12" x 60" Two Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	194.24 -8.35 -17.11 -25.87	19.07
10 51 13 00-0261 EA 12" x 15" x 60" Two Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	197.77 -8.53 -17.46 -26.40	19.07
10 51 13 00-0262 EA 12" x 18" x 60" Two Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	207.26 -9.00 -18.41 -27.82	19.07
10 51 13 00-0263 EA 12" x 12" x 72" Two Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	202.86 -8.65 -17.74 -26.83	20.97
10 51 13 00-0264 EA 12" x 15" x 72" Two Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	215.94 -9.30 -19.05 -28.80	20.97
10 51 13 00-0265 EA 12" x 18" x 72" Two Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	223.06 -9.66 -19.76 -29.86	20.97
10 51 13 00-0266 EA 15" x 15" x 72" Two Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	233.21 -10.16 -20.77 -31.39	20.97
10 51 13 00-0267 EA 15" x 18" x 72" Two Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	237.99 -10.40 -21.25 -32.10	20.97
10 51 13 00-0268 EA 18" x 18" x 72" Two Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	251.77 -11.09 -22.63 -34.17	20.97
10 51 13 00-0269 EA 18" x 21" x 72" Two Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	262.44 -11.62 -23.70 -35.77	20.97
<b>10 51 13 00-0270 Three Tier, All-Welded Steel Lockers</b> <small>(10 51 13 00-0243)</small> Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0271 EA 12" x 12" x 72" Three Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	239.68 -10.49 -21.42 -32.36	20.97
10 51 13 00-0272 EA 12" x 15" x 72" Three Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	245.04 -10.75 -21.96 -33.16	20.97
10 51 13 00-0273 EA 12" x 18" x 72" Three Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	250.35 -11.02 -22.49 -33.96	20.97
10 51 13 00-0274 EA 15" x 15" x 72" Three Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	262.95 -11.65 -23.75 -35.85	20.97
10 51 13 00-0275 EA 15" x 18" x 72" Three Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	265.27 -11.77 -23.98 -36.20	20.97

**10 Specialties****10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0276			<b>Four Tier, All-Welded Steel Lockers</b> (10 51 13 00-0243)		
10 51 13 00-0277	EA		12" x 12" x 72" Four Tier, All-Welded Steel Locker.....	226.98	20.97
			For >25 To 50, Deduct	-9.85	
			For >50 To 100, Deduct	-20.15	
			For >100, Deduct	-30.45	
10 51 13 00-0278	EA		12" x 15" x 72" Four Tier, All-Welded Steel Locker.....	232.04	20.97
			For >25 To 50, Deduct	-10.10	
			For >50 To 100, Deduct	-20.66	
			For >100, Deduct	-31.21	
10 51 13 00-0279	EA		12" x 18" x 72" Four Tier, All-Welded Steel Locker.....	237.06	20.97
			For >25 To 50, Deduct	-10.36	
			For >50 To 100, Deduct	-21.16	
			For >100, Deduct	-31.96	
10 51 13 00-0280	EA		15" x 15" x 72" Four Tier, All-Welded Steel Locker.....	248.91	20.97
			For >25 To 50, Deduct	-10.95	
			For >50 To 100, Deduct	-22.34	
			For >100, Deduct	-33.74	
10 51 13 00-0281	EA		15" x 18" x 72" Four Tier, All-Welded Steel Locker.....	251.07	20.97
			For >25 To 50, Deduct	-11.06	
			For >50 To 100, Deduct	-22.56	
			For >100, Deduct	-34.07	
10 51 13 00-0282			<b>Six Tier, All-Welded Steel Lockers</b> (10 51 13 00-0243)		
10 51 13 00-0283	EA		12" x 12" x 72" Six Tier, All-Welded Steel Locker.....	234.85	20.97
			For >25 To 50, Deduct	-10.24	
			For >50 To 100, Deduct	-20.94	
			For >100, Deduct	-31.63	
10 51 13 00-0284	EA		12" x 15" x 72" Six Tier, All-Welded Steel Locker.....	242.23	20.97
			For >25 To 50, Deduct	-10.61	
			For >50 To 100, Deduct	-21.68	
			For >100, Deduct	-32.74	
10 51 13 00-0285	EA		12" x 18" x 72" Six Tier, All-Welded Steel Locker.....	247.66	20.97
			For >25 To 50, Deduct	-10.89	
			For >50 To 100, Deduct	-22.22	
			For >100, Deduct	-33.55	
10 51 13 00-0286			<b>All Welded Locker Accessories</b> (10 51 13 00-0242)		
10 51 13 00-0287	EA		ADA Requirements For All Welded Lockers.....	123.16	
10 51 13 00-0288	EA		Solid Boxed End Panel For 12" Deep All Welded Lockers.....	198.74	4.36
10 51 13 00-0289	EA		Solid Boxed End Panel For 15" Deep All Welded Lockers.....	230.41	4.36
10 51 13 00-0290	EA		Recessed Trim For All Welded Lockers.....	140.09	4.36
10 51 13 00-0291	EA		Built In Combination Lock For All Welded Lockers.....	46.35	4.36
10 51 13 00-0292	EA		Pad Lock For All Welded Lockers.....	38.04	4.36
10 51 26			<b>Plastic Lockers</b> (10 51)		
10 51 26 00-0001			<b>Solid Plastic Lockers</b> (10 51 26)		
			Note: Price per frame. High density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.		
10 51 26 00-0002			<b>Single Tier Solid Plastic Lockers</b> (10 51 26 00-0001)		
			Note: Includes one double hook per tier.		
10 51 26 00-0003	EA		12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	587.10	33.76
			For >50 To 100, Deduct	-51.96	
			For >100, Deduct	-79.96	
10 51 26 00-0004	EA		12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	597.52	33.76
			For >50 To 100, Deduct	-53.00	
			For >100, Deduct	-81.52	
10 51 26 00-0005	EA		12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	607.95	33.76
			For >50 To 100, Deduct	-54.04	
			For >100, Deduct	-83.09	
10 51 26 00-0006	EA		15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	623.58	33.76
			For >50 To 100, Deduct	-55.60	
			For >100, Deduct	-85.43	
10 51 26 00-0007	EA		15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	607.05	33.76
			For >50 To 100, Deduct	-53.95	
			For >100, Deduct	-82.95	
10 51 26 00-0008	EA		18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	611.43	33.76
			For >50 To 100, Deduct	-54.39	
			For >100, Deduct	-83.61	
10 51 26 00-0009	EA		18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	603.72	33.76
			For >50 To 100, Deduct	-53.62	
			For >100, Deduct	-82.45	
10 51 26 00-0010	EA		18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	646.76	33.76
			For >50 To 100, Deduct	-57.92	
			For >100, Deduct	-88.91	
10 51 26 00-0011	EA		12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	636.83	33.76
			For >50 To 100, Deduct	-56.93	
			For >100, Deduct	-87.42	



<b>Specialties</b>	<b>10</b>
<b>Storage Specialties</b>	<b>10 50</b>
<b>Lockers</b>	<b>10 51</b>

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0012 EA 12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	648.41	33.76
For >50 To 100, Deduct	-58.09	
For >100, Deduct	-89.16	
10 51 26 00-0013 EA 12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	659.99	33.76
For >50 To 100, Deduct	-59.25	
For >100, Deduct	-90.89	
10 51 26 00-0014 EA 15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	686.48	33.76
For >50 To 100, Deduct	-61.89	
For >100, Deduct	-94.87	
10 51 26 00-0015 EA 15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	722.89	33.76
For >50 To 100, Deduct	-65.54	
For >100, Deduct	-100.33	
10 51 26 00-0016 EA 18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	689.78	33.76
For >50 To 100, Deduct	-62.22	
For >100, Deduct	-95.36	
10 51 26 00-0017 EA 18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	749.35	33.76
For >50 To 100, Deduct	-68.18	
For >100, Deduct	-104.30	
10 51 26 00-0018 EA 12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	641.45	33.76
For >50 To 100, Deduct	-57.39	
For >100, Deduct	-88.11	
10 51 26 00-0019 EA 12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	675.39	33.76
For >50 To 100, Deduct	-60.79	
For >100, Deduct	-93.20	
10 51 26 00-0020 EA 12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	709.37	33.76
For >50 To 100, Deduct	-64.18	
For >100, Deduct	-98.30	
10 51 26 00-0021 EA 15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	684.49	33.76
For >50 To 100, Deduct	-61.70	
For >100, Deduct	-94.57	
10 51 26 00-0022 EA 15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	720.47	33.76
For >50 To 100, Deduct	-65.29	
For >100, Deduct	-99.97	
10 51 26 00-0023 EA 15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	756.48	33.76
For >50 To 100, Deduct	-68.89	
For >100, Deduct	-105.37	
10 51 26 00-0024 EA 18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	727.53	33.76
For >50 To 100, Deduct	-66.00	
For >100, Deduct	-101.02	
10 51 26 00-0025 EA 18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	765.57	33.76
For >50 To 100, Deduct	-69.80	
For >100, Deduct	-106.73	
10 51 26 00-0026 EA 12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	733.79	34.86
For >50 To 100, Deduct	-66.41	
For >100, Deduct	-101.70	
10 51 26 00-0027 EA 12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	771.85	34.86
For >50 To 100, Deduct	-70.21	
For >100, Deduct	-107.41	
10 51 26 00-0028 EA 12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	809.87	34.86
For >50 To 100, Deduct	-74.02	
For >100, Deduct	-113.12	
10 51 26 00-0029 EA 15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	783.19	34.86
For >50 To 100, Deduct	-71.35	
For >100, Deduct	-109.11	
10 51 26 00-0030 EA 15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	823.33	34.86
For >50 To 100, Deduct	-75.36	
For >100, Deduct	-115.13	
10 51 26 00-0031 EA 15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	863.43	34.86
For >50 To 100, Deduct	-79.37	
For >100, Deduct	-121.15	
10 51 26 00-0032 EA 18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	822.56	34.86
For >50 To 100, Deduct	-75.29	
For >100, Deduct	-115.02	
10 51 26 00-0033 EA 18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	874.76	34.86
For >50 To 100, Deduct	-80.51	
For >100, Deduct	-122.85	
10 51 26 00-0034 EA 18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	916.92	34.86
For >50 To 100, Deduct	-84.72	
For >100, Deduct	-129.17	
<b>10 51 26 00-0035 Double Tier Solid Plastic Lockers (10 51 26 00-0001)</b>		
Note: Includes one double hook per tier.		
10 51 26 00-0036 EA 12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	658.86	34.86
For >50 To 100, Deduct	-58.92	
For >100, Deduct	-90.46	
10 51 26 00-0037 EA 12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	668.79	34.86
For >50 To 100, Deduct	-59.91	
For >100, Deduct	-91.95	
10 51 26 00-0038 EA 12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	683.67	34.86
For >50 To 100, Deduct	-61.40	
For >100, Deduct	-94.19	
10 51 26 00-0039 EA 15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	678.72	34.86
For >50 To 100, Deduct	-60.90	
For >100, Deduct	-93.44	

**10 Specialties****10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0040	EA		15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	705.20	34.86
			<i>For &gt;50 To 100, Deduct</i>	-63.55	
			<i>For &gt;100, Deduct</i>	-97.41	
10 51 26 00-0041	EA		15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	768.08	34.86
			<i>For &gt;50 To 100, Deduct</i>	-69.84	
			<i>For &gt;100, Deduct</i>	-106.85	
10 51 26 00-0042	EA		18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	685.34	34.86
			<i>For &gt;50 To 100, Deduct</i>	-61.56	
			<i>For &gt;100, Deduct</i>	-94.44	
10 51 26 00-0043	EA		18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	717.37	34.86
			<i>For &gt;50 To 100, Deduct</i>	-64.77	
			<i>For &gt;100, Deduct</i>	-99.24	
10 51 26 00-0044	EA		18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	774.70	34.86
			<i>For &gt;50 To 100, Deduct</i>	-70.50	
			<i>For &gt;100, Deduct</i>	-107.84	
10 51 26 00-0045	EA		12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	681.64	34.86
			<i>For &gt;50 To 100, Deduct</i>	-61.19	
			<i>For &gt;100, Deduct</i>	-93.88	
10 51 26 00-0046	EA		12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	733.47	34.86
			<i>For &gt;50 To 100, Deduct</i>	-66.38	
			<i>For &gt;100, Deduct</i>	-101.66	
10 51 26 00-0047	EA		12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	748.29	34.86
			<i>For &gt;50 To 100, Deduct</i>	-67.86	
			<i>For &gt;100, Deduct</i>	-103.88	
10 51 26 00-0048	EA		15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	742.14	34.86
			<i>For &gt;50 To 100, Deduct</i>	-67.24	
			<i>For &gt;100, Deduct</i>	-102.96	
10 51 26 00-0049	EA		15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	776.49	34.86
			<i>For &gt;50 To 100, Deduct</i>	-70.68	
			<i>For &gt;100, Deduct</i>	-108.11	
10 51 26 00-0050	EA		18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	783.21	34.86
			<i>For &gt;50 To 100, Deduct</i>	-71.35	
			<i>For &gt;100, Deduct</i>	-109.12	
10 51 26 00-0051	EA		18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	819.53	34.86
			<i>For &gt;50 To 100, Deduct</i>	-74.98	
			<i>For &gt;100, Deduct</i>	-114.56	
10 51 26 00-0052	EA		18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	855.85	34.86
			<i>For &gt;50 To 100, Deduct</i>	-78.61	
			<i>For &gt;100, Deduct</i>	-120.01	
10 51 26 00-0053	EA		12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	789.30	35.95
			<i>For &gt;50 To 100, Deduct</i>	-71.74	
			<i>For &gt;100, Deduct</i>	-109.77	
10 51 26 00-0054	EA		12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	825.62	35.95
			<i>For &gt;50 To 100, Deduct</i>	-75.37	
			<i>For &gt;100, Deduct</i>	-115.22	
10 51 26 00-0055	EA		12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	844.55	35.95
			<i>For &gt;50 To 100, Deduct</i>	-77.27	
			<i>For &gt;100, Deduct</i>	-118.06	
10 51 26 00-0056	EA		15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	836.46	35.95
			<i>For &gt;50 To 100, Deduct</i>	-76.46	
			<i>For &gt;100, Deduct</i>	-116.84	
10 51 26 00-0057	EA		15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	874.77	35.95
			<i>For &gt;50 To 100, Deduct</i>	-80.29	
			<i>For &gt;100, Deduct</i>	-122.59	
10 51 26 00-0058	EA		15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	913.06	35.95
			<i>For &gt;50 To 100, Deduct</i>	-84.12	
			<i>For &gt;100, Deduct</i>	-128.33	
10 51 26 00-0059	EA		18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	843.31	35.95
			<i>For &gt;50 To 100, Deduct</i>	-77.14	
			<i>For &gt;100, Deduct</i>	-117.87	
10 51 26 00-0060	EA		18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	923.87	35.95
			<i>For &gt;50 To 100, Deduct</i>	-85.20	
			<i>For &gt;100, Deduct</i>	-129.95	
10 51 26 00-0061	EA		18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	964.11	35.95
			<i>For &gt;50 To 100, Deduct</i>	-89.22	
			<i>For &gt;100, Deduct</i>	-135.99	
<b>10 51 26 00-0062</b>			<b>Triple Tier Solid Plastic Lockers</b> (10 51 26 00-0001)		
			Note: Includes one double hook per tier.		
10 51 26 00-0063	EA		12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) .....	648.62	35.95
			<i>For &gt;50 To 100, Deduct</i>	-57.67	
			<i>For &gt;100, Deduct</i>	-88.67	
10 51 26 00-0064	EA		15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) .....	675.88	35.95
			<i>For &gt;50 To 100, Deduct</i>	-60.40	
			<i>For &gt;100, Deduct</i>	-92.76	
10 51 26 00-0065	EA		15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) .....	700.87	35.95
			<i>For &gt;50 To 100, Deduct</i>	-62.90	
			<i>For &gt;100, Deduct</i>	-96.50	
10 51 26 00-0066	EA		12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) .....	705.71	35.95
			<i>For &gt;50 To 100, Deduct</i>	-63.38	
			<i>For &gt;100, Deduct</i>	-97.23	
10 51 26 00-0067	EA		12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) .....	763.95	35.95
			<i>For &gt;50 To 100, Deduct</i>	-69.21	
			<i>For &gt;100, Deduct</i>	-105.97	





<b>Specialties</b>	<b>10</b>	<b>10</b>
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0068 EA 12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	764.22	35.95
For >50 To 100, Deduct	-69.23	
For >100, Deduct	-106.01	
10 51 26 00-0069 EA 15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	796.00	35.95
For >50 To 100, Deduct	-72.41	
For >100, Deduct	-110.77	
10 51 26 00-0070 EA 15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	827.91	35.95
For >50 To 100, Deduct	-75.60	
For >100, Deduct	-115.56	
10 51 26 00-0071 EA 15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	859.80	35.95
For >50 To 100, Deduct	-78.79	
For >100, Deduct	-120.34	
10 51 26 00-0072 EA 18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	834.15	35.95
For >50 To 100, Deduct	-76.23	
For >100, Deduct	-116.50	
10 51 26 00-0073 EA 18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	867.87	35.95
For >50 To 100, Deduct	-79.60	
For >100, Deduct	-121.55	
10 51 26 00-0074 EA 18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	901.59	35.95
For >50 To 100, Deduct	-82.97	
For >100, Deduct	-126.61	
10 51 26 00-0075 EA 12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	839.95	37.04
For >50 To 100, Deduct	-76.59	
For >100, Deduct	-117.10	
10 51 26 00-0076 EA 12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	873.69	37.04
For >50 To 100, Deduct	-79.96	
For >100, Deduct	-122.17	
10 51 26 00-0077 EA 12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	897.37	37.04
For >50 To 100, Deduct	-82.33	
For >100, Deduct	-125.72	
10 51 26 00-0078 EA 15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	883.74	37.04
For >50 To 100, Deduct	-80.97	
For >100, Deduct	-123.67	
10 51 26 00-0079 EA 15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	894.43	37.04
For >50 To 100, Deduct	-82.04	
For >100, Deduct	-125.28	
10 51 26 00-0080 EA 15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	932.97	37.04
For >50 To 100, Deduct	-85.89	
For >100, Deduct	-131.06	
10 51 26 00-0081 EA 18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	868.42	37.04
For >50 To 100, Deduct	-79.44	
For >100, Deduct	-121.37	
10 51 26 00-0082 EA 18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	946.79	37.04
For >50 To 100, Deduct	-87.27	
For >100, Deduct	-133.13	
10 51 26 00-0083 EA 18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,002.27	37.04
For >50 To 100, Deduct	-92.82	
For >100, Deduct	-141.45	
<b>10 51 26 00-0084 Four Tier Solid Plastic Lockers (10 51 26 00-0001)</b>		
10 51 26 00-0085 EA 12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	754.23	37.04
For >50 To 100, Deduct	-68.02	
For >100, Deduct	-104.25	
10 51 26 00-0086 EA 12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	776.35	37.04
For >50 To 100, Deduct	-70.23	
For >100, Deduct	-107.56	
10 51 26 00-0087 EA 12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	817.13	37.04
For >50 To 100, Deduct	-74.31	
For >100, Deduct	-113.68	
10 51 26 00-0088 EA 15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	812.15	37.04
For >50 To 100, Deduct	-73.81	
For >100, Deduct	-112.93	
10 51 26 00-0089 EA 15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	864.99	37.04
For >50 To 100, Deduct	-79.09	
For >100, Deduct	-120.86	
10 51 26 00-0090 EA 15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	881.66	37.04
For >50 To 100, Deduct	-80.76	
For >100, Deduct	-123.36	
10 51 26 00-0091 EA 18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	873.38	37.04
For >50 To 100, Deduct	-79.93	
For >100, Deduct	-122.12	
10 51 26 00-0092 EA 18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	901.51	37.04
For >50 To 100, Deduct	-82.74	
For >100, Deduct	-126.34	
10 51 26 00-0093 EA 18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	982.62	37.04
For >50 To 100, Deduct	-90.86	
For >100, Deduct	-138.50	
10 51 26 00-0094 EA 12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	868.86	38.12
For >50 To 100, Deduct	-79.26	
For >100, Deduct	-121.18	
10 51 26 00-0095 EA 12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	908.08	38.12
For >50 To 100, Deduct	-83.18	
For >100, Deduct	-127.06	

**10 Specialties**  
**10 50 Storage Specialties**  
**10 51 Lockers**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0096	EA		12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	913.19 -83.69 -127.83	38.12
10 51 26 00-0097	EA		15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	962.61 -88.64 -135.24	38.12
10 51 26 00-0098	EA		15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	916.88 -84.06 -128.38	38.12
10 51 26 00-0099	EA		15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	958.31 -88.21 -134.60	38.12
10 51 26 00-0100	EA		18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	915.30 -83.91 -128.15	38.12
10 51 26 00-0101	EA		18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	964.94 -88.87 -135.59	38.12
10 51 26 00-0102	EA		18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	1,039.33 -96.31 -146.75	38.12
<b>10 51 26 00-0103 Five Tier Solid Plastic Lockers (10 51 26 00-0001)</b>					
10 51 26 00-0104	EA		12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	820.59 -74.54 -114.07	37.58
10 51 26 00-0105	EA		12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	847.98 -77.28 -118.18	37.58
10 51 26 00-0106	EA		12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	875.37 -80.02 -122.29	37.58
10 51 26 00-0107	EA		15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	857.93 -78.28 -119.67	37.58
10 51 26 00-0108	EA		15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	906.99 -83.18 -127.03	37.58
10 51 26 00-0109	EA		15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	930.74 -85.56 -130.59	37.58
10 51 26 00-0110	EA		18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	922.46 -84.73 -129.35	37.58
10 51 26 00-0111	EA		18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	948.95 -87.38 -133.32	37.58
10 51 26 00-0112	EA		18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	1,035.00 -95.98 -146.23	37.58
10 51 26 00-0113	EA		12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	895.51 -81.82 -125.05	38.67
10 51 26 00-0114	EA		12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	926.22 -84.89 -129.65	38.67
10 51 26 00-0115	EA		12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	956.92 -87.96 -134.26	38.67
10 51 26 00-0116	EA		15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	946.17 -86.88 -132.64	38.67
10 51 26 00-0117	EA		15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	967.77 -89.04 -135.88	38.67
10 51 26 00-0118	EA		15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	1,000.11 -92.28 -140.74	38.67
10 51 26 00-0119	EA		18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	975.26 -89.79 -137.01	38.67
10 51 26 00-0120	EA		18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	1,012.35 -93.50 -142.57	38.67
10 51 26 00-0121	EA		18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	1,055.39 -97.81 -149.03	38.67
<b>10 51 26 00-0122 Six Tier Solid Plastic Lockers (10 51 26 00-0001)</b>					
10 51 26 00-0123	EA		15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	946.85 -87.06 -132.88	38.12



<b>Specialties</b>	<b>10</b>
<b>Storage Specialties</b>	<b>10 50</b>
<b>Lockers</b>	<b>10 51</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0124 EA 12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	929.01	39.21
For >50 To 100, Deduct	-85.06	
For >100, Deduct	-129.94	
10 51 26 00-0125 EA 12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	959.68	39.21
For >50 To 100, Deduct	-88.13	
For >100, Deduct	-134.54	
10 51 26 00-0126 EA 12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	980.15	39.21
For >50 To 100, Deduct	-90.17	
For >100, Deduct	-137.61	
10 51 26 00-0127 EA 15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,021.04	39.21
For >50 To 100, Deduct	-94.26	
For >100, Deduct	-143.74	
10 51 26 00-0128 EA 15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,032.98	39.21
For >50 To 100, Deduct	-95.46	
For >100, Deduct	-145.54	
10 51 26 00-0129 EA 15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,041.51	39.21
For >50 To 100, Deduct	-96.31	
For >100, Deduct	-146.81	
10 51 26 00-0130 EA 18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,044.90	39.21
For >50 To 100, Deduct	-96.65	
For >100, Deduct	-147.32	
10 51 26 00-0131 EA 18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,082.40	39.21
For >50 To 100, Deduct	-100.40	
For >100, Deduct	-152.95	
10 51 26 00-0132 EA 18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,131.84	39.21
For >50 To 100, Deduct	-105.34	
For >100, Deduct	-160.36	
<b>10 51 26 00-0133 Solid Plastic Locker Accessories (10 51 26 00-0001)</b>		
<b>10 51 26 00-0134 Slope Tops For Solid Plastic Lockers (10 51 26 00-0133)</b>		
Note: Price per frame.		
10 51 26 00-0135 EA Slope Top For Solid Plastic Lockers (Tufftec Lockers®).....	44.14	
<b>10 51 26 00-0136 Recessed Bases For Solid Plastic Lockers (10 51 26 00-0133)</b>		
Note: Price per frame.		
10 51 26 00-0137 EA Recessed Base For Solid Plastic Lockers (Tufftec Lockers®).....	48.55	
<b>10 51 26 00-0138 End Panels For Solid Plastic Lockers (10 51 26 00-0133)</b>		
Note: Price per frame.		
10 51 26 00-0139 EA End Panel For Solid Plastic Lockers (Tufftec Lockers®).....	112.74	
<b>10 51 26 00-0140 Venting Options For Solid Plastic Locker Doors (10 51 26 00-0133)</b>		
Note: Price per frame.		
10 51 26 00-0141 EA Horizontal Venting Option For Solid Plastic Locker Doors.....	44.26	
<b>10 51 26 00-0142 Filler Panels For Solid Plastic Lockers (10 51 26 00-0133)</b>		
10 51 26 00-0143 EA Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®).....	115.75	
Note: Full locker height. Width and height cut to size in the field.		
<b>10 51 26 00-0144 Locker Accessories For Solid Plastic Lockers (10 51 26 00-0133)</b>		
10 51 26 00-0145 EA Built In Hasp For Solid Plastic Lockers.....	11.06	
Note: For removable padlocks. Excludes padlock.		
10 51 26 00-0146 EA Built In Combination Lock For Solid Plastic Lockers.....	33.20	
10 51 26 00-0147 EA Built In Key Lock For Solid Plastic Lockers.....	44.26	
<b>10 51 53 Locker Room Benches (10 51)</b>		
10 51 53 00-0001 LF 9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Aluminum Pedestals.....	119.57	5.45
10 51 53 00-0002 LF 9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Painted Steel Pedestals.....	94.94	5.45
10 51 53 00-0003 LF 9-1/2" Wide Top, 17" To 19" Height, Plastic Laminated Bench With Steel Pedestals.....	146.33	5.45
10 51 53 00-0004 LF 9-1/2" Wide Top, 17" To 19" Height, Solid Plastic Bench With Steel Pedestals.....	139.73	5.45
10 51 53 00-0005 LF 9-1/2" Wide Top, 17" To 19" Height, Aluminum Bench With Aluminum Pedestals.....	108.00	5.45
<b>10 55 Postal Specialties (10 50)</b>		
<b>10 55 23 Mail Boxes (10 55)</b>		
<b>10 55 23 23 Residential Mail Boxes (10 55 23)</b>		
<b>10 55 23 23-0001 Residential Mail Boxes (10 55 23 23)</b>		
10 55 23 23-0002 EA 13" x 3-9/16" Satin Aluminum (Aluminum Body) Letter Slot With Interior Plate.....	106.99	12.25
For Stainless Steel Sleeve, Add	22.58	
10 55 23 23-0003 EA 13" x 3-9/16" Bright Brass (Brass Body) Letter Slot With Interior Plate.....	141.96	12.25
For Stainless Steel Sleeve, Add	22.58	
10 55 23 23-0004 EA Aluminum Or Galvanized Wall Mounted Mailbox.....	87.89	10.90

<b>10</b>	<b>10</b> <b>Specialties</b>
	<b>10 50</b> <b>Storage Specialties</b>
	<b>10 55</b> <b>Postal Specialties</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 55 23 23-0005 EA 20" x 8-3/4" x 6-7/8" Galvanized Steel Residential Rural Mailbox With 1-1/2" Post.....	130.26	13.62
<b>10 55 23 26 Commercial Mail Boxes (10 55 23)</b>		
<b>10 55 23 26-0001 Commercial Letter Boxes (10 55 23 26)</b> Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0002 EA 15" Wide x 19" High x 7-1/2" Deep, US Postal Service Approved, Surface Mount, Aluminum Letter Box (Salsbury 2240AU) .....	390.20	16.34
10 55 23 26-0003 EA 15" Wide x 19" High x 6-3/4" Deep, Private Use/Access, Recessed Mount, Aluminum Letter Box (Salsbury 2245AP).....	451.49	16.34
<b>10 55 23 26-0004 Commercial Horizontal Mail Boxes (10 55 23 26)</b> Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0005 BOX 5-1/2" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	77.13	16.34
10 55 23 26-0006 BOX 10-3/4" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	165.23	21.78
10 55 23 26-0007 BOX 6-3/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	99.88	13.62
10 55 23 26-0008 BOX 12-7/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	155.17	21.78
<b>10 55 23 26-0009 Commercial Cluster Mail Boxes (10 55 23 26)</b> Note: Includes locks and keys unless provided by the United States Postal Service. Includes pedestal. Excludes concrete foundation.		
10 55 23 26-0010 EA 13-15/16 Wide" x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H8MNDCEBU5) .....	2,011.29	32.68
10 55 23 26-0011 EA 26-15/16" Wide x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H16MNDCEBU8) .....	2,382.43	43.57
10 55 23 26-0012 EA 30-1/2" Wide x 62" High x 17-7/8" Deep, 8 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-8).....	3,193.74	43.57
10 55 23 26-0013 EA 30-1/2" Wide x 62" High x 17-7/8" Deep, 12 Tenant Doors, 1 Parcel Locker, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-12).....	3,295.89	43.57
10 55 23 26-0014 EA 30-1/2" Wide x 62" High x 17-7/8" Deep, 16 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-16).....	3,449.11	43.57
<b>10 55 23 26-0015 Commercial 4C Mail Boxes (10 55 23 26)</b> Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0016 EA 31-9/16" Wide x 40-3/4" High x 17" Deep, 9 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11S-09) .....	1,733.01	43.57
10 55 23 26-0017 EA 31-9/16" Wide x 40-3/4" High x 17" Deep, 15 Doors, 1 Parcel Locker, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-15) .....	3,054.07	43.57
10 55 23 26-0018 EA 31-9/16" Wide x 40-3/4" High x 17" Deep, 19 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-19).....	3,176.65	43.57
<b>10 55 26 Parcel Lockers (10 55)</b>		
<b>10 55 26 00-0001 Parcel Lockers (10 55 26)</b>		
10 55 26 00-0002 EA 24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker .....	1,494.42	32.68
10 55 26 00-0003 EA 48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker .....	1,776.24	43.57
<b>10 56 Storage Assemblies (10 50)</b>		
<b>10 56 13 Metal Storage Shelving (10 56)</b>		
<b>10 56 13 16 Post-And-Shelf Metal Storage Shelving (10 56 13)</b>		
<b>10 56 13 16-0001 Baked Enamel Steel Shelving (10 56 13 16)</b>		
<b>10 56 13 16-0002 7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type (10 56 13 16-0001)</b>		
10 56 13 16-0003 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf .....	151.22	20.69
For >75" To 87" High, Add	13.29	
10 56 13 16-0004 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf .....	151.31	21.73
For >75" To 87" High, Add	13.19	
10 56 13 16-0005 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf .....	144.96	23.80
For >75" To 87" High, Add	12.39	
10 56 13 16-0006 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf .....	185.10	25.87
For >75" To 87" High, Add	16.27	
10 56 13 16-0007 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf .....	207.73	26.90
For >75" To 87" High, Add	18.38	
10 56 13 16-0008 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf .....	199.77	28.98
For >75" To 87" High, Add	17.44	
10 56 13 16-0009 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf .....	222.19	31.04
For >75" To 87" High, Add	19.52	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Storage Specialties	10 50	
Storage Assemblies	10 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 56 13 16-0010</b> <b>3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed</b> <small>(10 56 13 16-0001)</small>		
Note: Adjustable shelves.		
10 56 13 16-0011    LF    32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf.....	109.75	10.55
10 56 13 16-0012    LF    32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf.....	108.41	11.28
10 56 13 16-0013    LF    32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf.....	121.91	12.00
10 56 13 16-0014    LF    32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf.....	126.74	12.73
10 56 13 16-0015    LF    32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf.....	146.21	13.56
<b>10 56 13 16-0016</b> <b>4 Shelf Unit, 40" High Unit</b> <small>(10 56 13 16-0001)</small>		
10 56 13 16-0017    LF    40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf.....	127.05	20.69
10 56 13 16-0018    LF    40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf.....	102.51	21.73
10 56 13 16-0019    LF    40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf.....	117.77	23.80
10 56 13 16-0020    LF    40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf.....	124.08	25.87
10 56 13 16-0021    LF    40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf.....	142.07	26.90
<b>10 56 16</b> <b>Fabricated Wood Storage Shelving</b> <small>(10 56)</small>		
<b>10 56 16 00-0001</b> <b>Shelving</b> <small>(10 56 16)</small>		
<b>10 56 16 00-0002</b> <b>Built-In Wood Shelving</b> <small>(10 56 16 00-0001)</small>		
Note: Priced by shelf area. Includes hardware and trim.		
10 56 16 00-0003    SF    Built-in Wood Storage Shelving Post And Trimmed Plywood.....	21.56	2.75
For Each SF Of Lumber Edge Band, Add		0.69
For Each SF Of Prefinished Shelves, Add		2.32
10 56 16 00-0004    SF    Built-in Wood Storage Shelving Post And Solid Clear Pine.....	23.24	3.30
For Each SF Of Lumber Edge Band, Add		0.69
For Each SF Of Prefinished Shelves, Add		2.32
10 56 16 00-0005    SF    Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod.....	23.55	5.50
For Each SF Of Lumber Edge Band, Add		0.69
For Each SF Of Prefinished Shelves, Add		2.32
<b>10 56 16 00-0006</b> <b>Wood Shelving, White Pine, Clear Grade, Wall Mounted</b> <small>(10 56 16 00-0001)</small>		
10 56 16 00-0007    LF    1" x 8" White Pine Clear Grade Wood Shelving.....	17.81	6.59
10 56 16 00-0008    LF    1" x 10" White Pine Clear Grade Wood Shelving.....	19.59	7.04
10 56 16 00-0009    LF    1" x 12" White Pine Clear Grade Wood Shelving.....	21.59	7.59
10 56 16 00-0010    SF    Wood Shelving, 2" White Pine Clear Grade.....	28.26	
<b>10 56 16 00-0011</b> <b>Plywood Shelf With Edge Band</b> <small>(10 56 16 00-0001)</small>		
10 56 16 00-0012    LF    12" Wide, 3/4" Plywood Shelf With Edge Band.....	21.97	6.59
10 56 16 00-0013    LF    24" Wide, 3/4" Plywood Shelf With Edge Band.....	34.50	8.25
<b>10 56 16 00-0014</b> <b>Adjustable Shelf And Rod</b> <small>(10 56 16 00-0001)</small>		
10 56 16 00-0015    EA    12" Wide Adjustable Shelf, 3' To 6' Long.....	199.33	24.73
Note: Including Rod		
10 56 16 00-0016    EA    12" Wide Adjustable Shelf, 5' To 8' Long.....	234.63	32.97
Note: Including Rod		
<b>10 56 16 00-0017</b> <b>Prefinished Wood Shelves With Brackets And Supports</b> <small>(10 56 16 00-0001)</small>		
10 56 16 00-0018    LF    Prefinished Wood Shelves, 8" Wide, With Brackets And Supports.....	18.92	6.59
10 56 16 00-0019    LF    Prefinished Wood Shelves, 10" Wide, With Brackets And Supports.....	20.59	7.04
10 56 16 00-0020    SF    Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards.....	66.24	10.99
<b>10 56 16 00-0021</b> <b>Wood Shelving, Oak, Clear Grade, Wall Mounted</b> <small>(10 56 16 00-0001)</small>		
10 56 16 00-0022    LF    Wood Shelving, 1" X 8" Oak Clear Grade.....	21.49	10.33
<b>10 56 17</b> <b>Wall-Mounted Standards and Shelving</b> <small>(10 56)</small>		
<b>10 56 17 00-0001</b> <b>Galvanized Steel, Wall Mounted Solid Shelving</b> <small>(10 56 17)</small>		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0002    LF    8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	85.49	10.89
For Installation On Concrete Walls, Add		2.19
For Installation On Concrete Block Walls, Add		2.94
10 56 17 00-0003    LF    10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	88.57	10.89
For Installation On Concrete Walls, Add		2.19
For Installation On Concrete Block Walls, Add		2.94
10 56 17 00-0004    LF    12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	95.70	10.89
For Installation On Concrete Walls, Add		2.19
For Installation On Concrete Block Walls, Add		2.94
10 56 17 00-0005    LF    16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	104.91	10.89
For Installation On Concrete Walls, Add		2.19
For Installation On Concrete Block Walls, Add		2.94

<b>10</b>	<b>Specialties</b>
<b>10 50</b>	<b>Storage Specialties</b>
<b>10 56</b>	<b>Storage Assemblies</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0006	LF		18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	107.19	10.89
			<i>For Installation On Concrete Walls, Add</i>	2.19	
			<i>For Installation On Concrete Block Walls, Add</i>	2.94	
10 56 17 00-0007	LF		24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	126.93	10.89
			<i>For Installation On Concrete Walls, Add</i>	2.19	
			<i>For Installation On Concrete Block Walls, Add</i>	2.94	
<b>10 56 17 00-0008</b>			<b>304 Stainless Steel, Wall Mounted Solid Shelving</b> <small>(10 56 17)</small>		
			Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0009	LF		8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	141.45	10.89
			<i>For Installation On Concrete Walls, Add</i>	2.19	
			<i>For Installation On Concrete Block Walls, Add</i>	2.94	
10 56 17 00-0010	LF		10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	155.42	10.89
			<i>For Installation On Concrete Walls, Add</i>	2.19	
			<i>For Installation On Concrete Block Walls, Add</i>	2.94	
10 56 17 00-0011	LF		12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	169.45	10.89
			<i>For Installation On Concrete Walls, Add</i>	2.19	
			<i>For Installation On Concrete Block Walls, Add</i>	2.94	
10 56 17 00-0012	LF		16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	201.71	10.89
			<i>For Installation On Concrete Walls, Add</i>	2.19	
			<i>For Installation On Concrete Block Walls, Add</i>	2.94	
10 56 17 00-0013	LF		18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	220.81	10.89
			<i>For Installation On Concrete Walls, Add</i>	2.19	
			<i>For Installation On Concrete Block Walls, Add</i>	2.94	
10 56 17 00-0014	LF		24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	248.39	10.89
			<i>For Installation On Concrete Walls, Add</i>	2.19	
			<i>For Installation On Concrete Block Walls, Add</i>	2.94	
<b>10 56 17 00-0015</b>			<b>Laminated Particleboard, Wall Mounted Solid Shelving</b> <small>(10 56 17)</small>		
			Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0016	LF		8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	56.44	10.89
			<i>For Installation On Concrete Walls, Add</i>	2.19	
			<i>For Installation On Concrete Block Walls, Add</i>	2.94	
10 56 17 00-0017	LF		10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	58.52	10.89
			<i>For Installation On Concrete Walls, Add</i>	2.19	
			<i>For Installation On Concrete Block Walls, Add</i>	2.94	
10 56 17 00-0018	LF		12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	61.04	10.89
			<i>For Installation On Concrete Walls, Add</i>	2.19	
			<i>For Installation On Concrete Block Walls, Add</i>	2.94	
10 56 17 00-0019	LF		16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	64.69	10.89
			<i>For Installation On Concrete Walls, Add</i>	2.19	
			<i>For Installation On Concrete Block Walls, Add</i>	2.94	
10 56 17 00-0020	LF		18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	69.11	10.89
			<i>For Installation On Concrete Walls, Add</i>	2.19	
			<i>For Installation On Concrete Block Walls, Add</i>	2.94	
10 56 17 00-0021	LF		24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	81.00	10.89
			<i>For Installation On Concrete Walls, Add</i>	2.19	
			<i>For Installation On Concrete Block Walls, Add</i>	2.94	
<b>10 56 17 00-0022</b>			<b>Chrome Plated Steel, Wall Mounted Wire Shelving</b> <small>(10 56 17)</small>		
			Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0023	LF		14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving.....	83.54	10.89
			<i>For Installation On Concrete Walls, Add</i>	2.19	
			<i>For Installation On Concrete Block Walls, Add</i>	2.94	
10 56 17 00-0024	LF		18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving.....	94.30	10.89
			<i>For Installation On Concrete Walls, Add</i>	2.19	
			<i>For Installation On Concrete Block Walls, Add</i>	2.94	
<b>10 56 17 00-0025</b>			<b>Stainless Steel, Wall Mounted Wire Shelving</b> <small>(10 56 17)</small>		
			Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0026	LF		14" Depth, Stainless Steel, Wall Mounted Wire Shelving.....	200.40	10.89
			<i>For Installation On Concrete Walls, Add</i>	2.19	
			<i>For Installation On Concrete Block Walls, Add</i>	2.94	
10 56 17 00-0027	LF		18" Depth, Stainless Steel, Wall Mounted Wire Shelving.....	208.64	10.89
			<i>For Installation On Concrete Walls, Add</i>	2.19	
			<i>For Installation On Concrete Block Walls, Add</i>	2.94	
<b>10 56 17 00-0028</b>			<b>Prefinished Hardwood Plywood, Wall Mounted Solid Shelving</b> <small>(10 56 17)</small>		
			Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0029	LF		8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving.....	57.15	10.89
			<i>For Installation On Concrete Walls, Add</i>	3.38	
			<i>For Installation On Concrete Block Walls, Add</i>	4.13	
10 56 17 00-0030	LF		10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving.....	58.51	10.89
			<i>For Installation On Concrete Walls, Add</i>	3.40	
			<i>For Installation On Concrete Block Walls, Add</i>	4.15	
10 56 17 00-0031	LF		12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving.....	59.36	10.89
			<i>For Installation On Concrete Walls, Add</i>	3.43	
			<i>For Installation On Concrete Block Walls, Add</i>	4.18	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Storage Specialties	10 50	
Storage Assemblies	10 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0032 LF 16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	62.56 3.48 4.23	10.89
10 56 17 00-0033 LF 18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	64.19 3.50 4.25	10.89
10 56 17 00-0034 LF 24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	69.09 3.58 4.33	10.89
<b>10 56 17 00-0035 Wall Mounted Shelving Accessories</b> (10 56 17)		
10 56 17 00-0036 LF Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit.....	33.88	
<b>10 57 Wardrobe And Closet Specialties</b> (10 50)		
<b>10 57 13 Hat And Coat Racks</b> (10 57)		
10 57 13 00-0001 Hat And Coat Rack (10 57 13)		
10 57 13 00-0002 Single Tier (10 57 13 00-0001)		
10 57 13 00-0003 LF Single Tier Hat And Coat Rack Baked Enameled Steel..... <i>For Custom Made Units, Add</i>	69.79 33.21	5.45
10 57 13 00-0004 LF Single Tier Hat And Coat Rack Stainless Steel ..... <i>For Custom Made Units, Add</i>	42.31 16.72	5.45
10 57 13 00-0005 LF Single Tier Hat And Coat Rack Aluminum ..... <i>For Custom Made Units, Add</i>	136.99 73.53	5.45
10 57 13 00-0006 Double Tier (10 57 13 00-0001)		
10 57 13 00-0007 LF Double Tier Hat And Coat Rack Baked Enameled Steel ..... <i>For Custom Made Units, Add</i>	93.97 45.68	5.45
10 57 13 00-0008 LF Double Tier Hat And Coat Rack Stainless Steel ..... <i>For Custom Made Units, Add</i>	48.15 18.18	5.45
10 57 13 00-0009 LF Double Tier Hat And Coat Rack Aluminum..... <i>For Custom Made Units, Add</i>	235.29 130.47	5.45
<b>10 57 43 Wardrobe Units</b> (10 57)		
10 57 43 00-0001 Dormitory Wardrobe Units (10 57 43)		
10 57 43 00-0002 EA 24" x 24" x 68" Hardwood Veneer Dormitory Wardrobe Unit With Door ..... <i>For Custom Made Units, Add</i>	2,037.09 1,081.05	201.73
10 57 43 00-0003 EA 24" x 24" x 68" Plastic Laminate Dormitory Wardrobe Unit With Door..... <i>For Custom Made Units, Add</i>	1,557.23 793.13	201.73
10 57 43 00-0004 Wardrobe Units (10 57 43)		
10 57 43 00-0005 Teachers Wardrobe Units (10 57 43 00-0004) Note: Includes shelf, clothes pole and mirror, lockable door and hardware.		
10 57 43 00-0006 CF Baked Enamel Steel Teacher Wardrobe Unit With Door ..... <i>For Open Wardrobe Units Without Door, Deduct</i> <i>For Custom Made Units, Add</i>	50.03 -5.46 24.46	3.98
10 57 43 00-0007 CF Hardwood Teacher Wardrobe Unit With Door ..... <i>For Open Wardrobe Units Without Door, Deduct</i> <i>For Custom Made Units, Add</i>	51.50 -5.64 25.34	3.98
10 57 43 00-0008 CF Stainless Steel Teacher Wardrobe Unit With Door ..... <i>For Open Wardrobe Units Without Door, Deduct</i> <i>For Custom Made Units, Add</i>	86.39 -10.00 46.28	3.98
10 57 43 00-0009 CF Plastic Laminate Teacher Wardrobe Unit With Door ..... <i>For Open Wardrobe Units Without Door, Deduct</i> <i>For Custom Made Units, Add</i>	117.14 -13.85 64.73	3.98
10 57 43 00-0010 CF Birch Veneer Teacher Wardrobe Unit With Door ..... <i>For Open Wardrobe Units Without Door, Deduct</i> <i>For Custom Made Units, Add</i>	52.17 -5.73 25.74	3.98
10 57 43 00-0011 CF Oak Veneer Teacher Wardrobe Unit With Door..... <i>For Open Wardrobe Units Without Door, Deduct</i> <i>For Custom Made Units, Add</i>	70.33 -8.00 36.64	3.98
10 57 43 00-0012 CF Walnut Veneer Teacher Wardrobe Unit With Door ..... <i>For Open Wardrobe Units Without Door, Deduct</i> <i>For Custom Made Units, Add</i>	79.38 -9.13 42.07	3.98
10 57 43 00-0013 Students Wardrobe Units (10 57 43 00-0004) Note: With continuous shelf, two rows of coat hooks, door and hardware.		
10 57 43 00-0014 CF Baked Enamel Steel Student Wardrobe Unit With Door ..... <i>For Open Wardrobe Units Without Door, Deduct</i> <i>For Custom Made Units, Add</i>	47.47 -5.14 22.92	3.98
10 57 43 00-0015 CF Hardwood Student Wardrobe Unit With Door ..... <i>For Open Wardrobe Units Without Door, Deduct</i> <i>For Custom Made Units, Add</i>	48.83 -5.31 23.74	3.98

**10 Specialties****10 50 Storage Specialties****10 57 Wardrobe And Closet Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 57 43 00-0016	CF		Stainless Steel Student Wardrobe Unit With Door .....	81.10	3.98
			<i>For Open Wardrobe Units Without Door, Deduct</i>	-9.34	
			<i>For Custom Made Units, Add</i>	43.10	
10 57 43 00-0017	CF		Plastic Laminate Student Wardrobe Unit With Door .....	109.54	3.98
			<i>For Open Wardrobe Units Without Door, Deduct</i>	-12.90	
			<i>For Custom Made Units, Add</i>	60.17	
10 57 43 00-0018	CF		Birch Veneer Student Wardrobe Unit With Door .....	49.45	3.98
			<i>For Open Wardrobe Units Without Door, Deduct</i>	-5.39	
			<i>For Custom Made Units, Add</i>	24.11	
10 57 43 00-0019	CF		Oak Veneer Student Wardrobe Unit With Door .....	66.22	3.98
			<i>For Open Wardrobe Units Without Door, Deduct</i>	-7.48	
			<i>For Custom Made Units, Add</i>	34.17	
10 57 43 00-0020	CF		Walnut Veneer Student Wardrobe Unit With Door .....	74.62	3.98
			<i>For Open Wardrobe Units Without Door, Deduct</i>	-8.53	
			<i>For Custom Made Units, Add</i>	39.21	
<b>10 57 43 00-0021</b>			<b>Materials Cabinet Units</b> <small>(10 57 43 00-0004)</small>		
			Note: With multiple shelves, lockable door and hardware.		
10 57 43 00-0022	CF		Baked Enamel Steel Materials Cabinet Unit With Door .....	51.57	7.95
10 57 43 00-0023	CF		Hardwood Materials Cabinet Unit With Door .....	53.10	7.95
10 57 43 00-0024	CF		Stainless Steel Materials Cabinet Unit With Door .....	89.56	7.95
10 57 43 00-0025	CF		Plastic Laminate Materials Cabinet Unit With Door .....	121.70	7.95
10 57 43 00-0026	CF		Birch Veneer Materials Cabinet Unit With Door .....	53.80	7.95
10 57 43 00-0027	CF		Oak Veneer Materials Cabinet Unit With Door .....	72.78	7.95
10 57 43 00-0028	CF		Walnut Veneer Materials Cabinet Unit With Door .....	82.24	7.95
<b>10 57 43 00-0029</b>			<b>Accessories</b> <small>(10 57 43 00-0004)</small>		
10 57 43 00-0030	EA		Single Prong Wardrobe Closet Hooks .....	49.28	8.17
			Note: Height 1 1/8", Width 1 1/8", satin chrome finish, wall mount, 1" projection.		
<b>10 57 43 00-0031</b>			<b>Movable Wardrobe Racks</b> <small>(10 57 43 00-0004)</small>		
10 57 43 00-0032	EA		60" Long x 20" Wide, Movable Wardrobe Rack, 54"-74" Adjustable Height .....	214.21	
<b>10 70 Exterior Specialties</b> <small>(10)</small>					
<b>10 71 Exterior Protection</b> <small>(10 70)</small>					
<b>10 71 13 Exterior Sun Control Devices</b> <small>(10 71)</small>					
<b>10 71 13 13 Exterior Shutters</b> <small>(10 71 13)</small>					
<b>10 71 13 13-0001</b>			<b>Exterior Shutters, High Impact Resistant Plastic, Unfinished</b> <small>(10 71 13 13)</small>		
<b>10 71 13 13-0002</b>			<b>Raised Panel Decorative Shutters</b> <small>(10 71 13 13-0001)</small>		
10 71 13 13-0003	PR		15" x 35" Raised Panel Shutter, High Impact Resistant Plastic .....	141.05	36.22
			<i>For Colored Finish, Add</i>	16.70	
10 71 13 13-0004	PR		15" x 39" Raised Panel Shutter, High Impact Resistant Plastic .....	151.07	37.86
			<i>For Colored Finish, Add</i>	18.10	
10 71 13 13-0005	PR		15" x 43" Raised Panel Shutter, High Impact Resistant Plastic .....	157.72	39.51
			<i>For Colored Finish, Add</i>	18.91	
10 71 13 13-0006	PR		15" x 47" Raised Panel Shutter, High Impact Resistant Plastic .....	168.02	41.16
			<i>For Colored Finish, Add</i>	20.37	
10 71 13 13-0007	PR		15" x 51" Raised Panel Shutter, High Impact Resistant Plastic .....	176.88	42.80
			<i>For Colored Finish, Add</i>	21.57	
10 71 13 13-0008	PR		15" x 55" Raised Panel Shutter, High Impact Resistant Plastic .....	185.26	44.45
			<i>For Colored Finish, Add</i>	22.68	
10 71 13 13-0009	PR		15" x 59" Raised Panel Shutter, High Impact Resistant Plastic .....	196.53	46.10
			<i>For Colored Finish, Add</i>	24.31	
10 71 13 13-0010	PR		15" x 63" Raised Panel Shutter, High Impact Resistant Plastic .....	211.34	47.74
			<i>For Colored Finish, Add</i>	26.58	
10 71 13 13-0011	PR		15" x 67" Raised Panel Shutter, High Impact Resistant Plastic .....	221.78	49.39
			<i>For Colored Finish, Add</i>	28.07	
10 71 13 13-0012	PR		15" x 71" Raised Panel Shutter, High Impact Resistant Plastic .....	233.52	51.03
			<i>For Colored Finish, Add</i>	29.78	
10 71 13 13-0013	PR		15" x 75" Raised Panel Shutter, High Impact Resistant Plastic .....	237.56	52.68
			<i>For Colored Finish, Add</i>	30.12	
10 71 13 13-0014	PR		15" x 81" Raised Panel Shutter, High Impact Resistant Plastic .....	246.07	54.33
			<i>For Colored Finish, Add</i>	31.25	
<b>10 71 13 13-0015</b>			<b>Louvered Decorative Shutters</b> <small>(10 71 13 13-0001)</small>		
10 71 13 13-0016	PR		15" x 25" Louvered Shutter, High Impact Resistant Plastic .....	101.20	32.92
			<i>For Colored Finish, Add</i>	10.31	
10 71 13 13-0017	PR		15" x 31" Louvered Shutter, High Impact Resistant Plastic .....	109.58	34.57
			<i>For Colored Finish, Add</i>	11.43	
10 71 13 13-0018	PR		15" x 36" Louvered Shutter, High Impact Resistant Plastic .....	117.98	36.22
			<i>For Colored Finish, Add</i>	12.54	
10 71 13 13-0019	PR		15" x 39" Louvered Shutter, High Impact Resistant Plastic .....	125.67	37.86
			<i>For Colored Finish, Add</i>	13.53	





<b>Specialties</b>	<b>10</b>	<b>10</b>
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	13 13-0020	PR	15" x 43" Louvered Shutter, High Impact Resistant Plastic ..... <i>For Colored Finish, Add</i>	134.32 14.70	39.51
10 71	13 13-0021	PR	15" x 48" Louvered Shutter, High Impact Resistant Plastic ..... <i>For Colored Finish, Add</i>	143.36 15.93	41.16
10 71	13 13-0022	PR	15" x 52" Louvered Shutter, High Impact Resistant Plastic ..... <i>For Colored Finish, Add</i>	149.58 16.65	42.80
10 71	13 13-0023	PR	15" x 55" Louvered Shutter, High Impact Resistant Plastic ..... <i>For Colored Finish, Add</i>	156.46 17.49	44.45
10 71	13 13-0024	PR	15" x 60" Louvered Shutter, High Impact Resistant Plastic ..... <i>For Colored Finish, Add</i>	165.60 18.75	46.10
10 71	13 13-0025	PR	15" x 64" Louvered Shutter, High Impact Resistant Plastic ..... <i>For Colored Finish, Add</i>	177.78 20.54	47.74
10 71	13 13-0026	PR	15" x 67" Louvered Shutter, High Impact Resistant Plastic ..... <i>For Colored Finish, Add</i>	183.67 21.21	49.39
10 71	13 13-0027	PR	15" x 72" Louvered Shutter, High Impact Resistant Plastic ..... <i>For Colored Finish, Add</i>	198.89 23.55	51.03
10 71	13 13-0028	PR	15" x 75" Louvered Shutter, High Impact Resistant Plastic ..... <i>For Colored Finish, Add</i>	204.74 24.21	52.68
10 71	13 13-0029	PR	15" x 80" Louvered Shutter, High Impact Resistant Plastic ..... <i>For Colored Finish, Add</i>	215.41 25.73	54.33
<b>10 71 13 13-0030 Exterior Spanish Cedar Shutters (10 71 13 13)</b>					
<b>10 71 13 13-0031 12" Width (10 71 13 13-0030)</b>					
10 71	13 13-0032	PR	12" x 36" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	393.66 150.00	32.92
10 71	13 13-0033	PR	12" x 42" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	425.48 150.00	36.22
10 71	13 13-0034	PR	12" x 48" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	455.11 150.00	37.86
10 71	13 13-0035	PR	12" x 54" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	486.93 150.00	41.16
10 71	13 13-0036	PR	12" x 60" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	516.56 150.00	42.80
10 71	13 13-0037	PR	12" x 66" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	550.66 150.00	46.10
10 71	13 13-0038	PR	12" x 72" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	580.30 150.00	47.74
10 71	13 13-0039	PR	12" x 78" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	609.92 150.00	49.39
10 71	13 13-0040	PR	12" x 84" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	641.75 150.00	52.68
<b>10 71 13 13-0041 14" Width (10 71 13 13-0030)</b>					
10 71	13 13-0042	PR	14" x 36" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	416.52 150.00	32.92
10 71	13 13-0043	PR	14" x 42" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	452.91 150.00	36.22
10 71	13 13-0044	PR	14" x 48" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	487.12 150.00	37.86
10 71	13 13-0045	PR	14" x 54" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	523.51 150.00	41.16
10 71	13 13-0046	PR	14" x 60" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	557.70 150.00	42.80
10 71	13 13-0047	PR	14" x 66" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	594.10 150.00	46.10
10 71	13 13-0048	PR	14" x 72" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	628.30 150.00	47.74
10 71	13 13-0049	PR	14" x 78" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	660.21 150.00	49.39
10 71	13 13-0050	PR	14" x 84" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	696.61 150.00	52.68
<b>10 71 13 13-0051 16" Width (10 71 13 13-0030)</b>					
10 71	13 13-0052	PR	16" x 36" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	441.66 150.00	32.92
10 71	13 13-0053	PR	16" x 42" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	480.34 150.00	36.22
10 71	13 13-0054	PR	16" x 48" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	519.12 150.00	37.86
10 71	13 13-0055	PR	16" x 54" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	557.80 150.00	41.16
10 71	13 13-0056	PR	16" x 60" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	596.57 150.00	42.80
10 71	13 13-0057	PR	16" x 66" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	637.53 150.00	46.10
10 71	13 13-0058	PR	16" x 72" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	674.02 150.00	47.74
10 71	13 13-0059	PR	16" x 78" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	712.79 150.00	49.39

<b>10</b>	<b>10</b>	<b>Specialties</b>
	<b>10 70</b>	<b>Exterior Specialties</b>
	<b>10 71</b>	<b>Exterior Protection</b>



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
10 71 13 13-0060	PR	16" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	753.76 150.00	52.68
<b>10 71 13 13-0061</b>		<b>18" Width</b> <small>(10 71 13 13-0030)</small>		
10 71 13 13-0062	PR	18" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	464.52 150.00	32.92
10 71 13 13-0063	PR	18" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	507.78 150.00	36.22
10 71 13 13-0064	PR	18" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	551.12 150.00	37.86
10 71 13 13-0065	PR	18" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	594.38 150.00	41.16
10 71 13 13-0066	PR	18" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	635.43 150.00	42.80
10 71 13 13-0067	PR	18" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	680.96 150.00	46.10
10 71 13 13-0068	PR	18" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	722.03 150.00	47.74
10 71 13 13-0069	PR	18" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	765.37 150.00	49.39
10 71 13 13-0070	PR	18" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	808.63 150.00	52.68
<b>10 71 13 13-0071</b>		<b>20" Width</b> <small>(10 71 13 13-0030)</small>		
10 71 13 13-0072	PR	20" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	487.38 150.00	32.92
10 71 13 13-0073	PR	20" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	535.21 150.00	36.22
10 71 13 13-0074	PR	20" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	580.84 150.00	37.86
10 71 13 13-0075	PR	20" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	630.95 150.00	41.16
10 71 13 13-0076	PR	20" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	676.58 150.00	42.80
10 71 13 13-0077	PR	20" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	724.40 150.00	46.10
10 71 13 13-0078	PR	20" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	770.03 150.00	47.74
10 71 13 13-0079	PR	20" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	815.66 150.00	49.39
10 71 13 13-0080	PR	20" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	863.49 150.00	52.68
<b>10 71 13 13-0081</b>		<b>Heavy Duty Exterior True Louver Shutters, Western Red Cedar</b> <small>(10 71 13 13)</small>		
<b>10 71 13 13-0082</b>		<b>12" Width</b> <small>(10 71 13 13-0081)</small>		
10 71 13 13-0083	PR	12" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	426.05 150.00	32.92
10 71 13 13-0084	PR	12" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	453.69 150.00	34.57
10 71 13 13-0085	PR	12" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	494.03 150.00	36.22
10 71 13 13-0086	PR	12" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	521.67 150.00	37.86
10 71 13 13-0087	PR	12" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	562.02 150.00	39.51
10 71 13 13-0088	PR	12" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	602.37 150.00	41.16
10 71 13 13-0089	PR	12" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	630.00 150.00	42.80
10 71 13 13-0090	PR	12" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	670.36 150.00	44.45
10 71 13 13-0091	PR	12" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	710.70 150.00	46.10
10 71 13 13-0092	PR	12" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	751.06 150.00	47.74
10 71 13 13-0093	PR	12" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	778.69 150.00	49.39
10 71 13 13-0094	PR	12" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	819.04 150.00	51.03
10 71 13 13-0095	PR	12" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	846.68 150.00	52.68
<b>10 71 13 13-0096</b>		<b>14" Width</b> <small>(10 71 13 13-0081)</small>		
10 71 13 13-0097	PR	14" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	477.63 150.00	32.92
10 71 13 13-0098	PR	14" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	509.51 150.00	34.57



<b>Specialties</b>	<b>10</b>
Exterior Specialties	10 70
Exterior Protection	10 71

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	13 13-0099	PR	14" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	556.21 150.00	36.22
10 71	13 13-0100	PR	14" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	588.09 150.00	37.86
10 71	13 13-0101	PR	14" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	634.80 150.00	39.51
10 71	13 13-0102	PR	14" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	681.51 150.00	41.16
10 71	13 13-0103	PR	14" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	713.38 150.00	42.80
10 71	13 13-0104	PR	14" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	760.10 150.00	44.45
10 71	13 13-0105	PR	14" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	806.80 150.00	46.10
10 71	13 13-0106	PR	14" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	853.52 150.00	47.74
10 71	13 13-0107	PR	14" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	885.38 150.00	49.39
10 71	13 13-0108	PR	14" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	932.10 150.00	51.03
10 71	13 13-0109	PR	14" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	963.97 150.00	52.68
<b>10 71 13 13-0110 15" Width</b> <small>(10 71 13 13-0081)</small>					
10 71	13 13-0111	PR	15" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	503.42 150.00	32.92
10 71	13 13-0112	PR	15" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	537.42 150.00	34.57
10 71	13 13-0113	PR	15" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	587.31 150.00	36.22
10 71	13 13-0114	PR	15" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	621.30 150.00	37.86
10 71	13 13-0115	PR	15" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	671.19 150.00	39.51
10 71	13 13-0116	PR	15" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	721.08 150.00	41.16
10 71	13 13-0117	PR	15" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	755.07 150.00	42.80
10 71	13 13-0118	PR	15" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	804.96 150.00	44.45
10 71	13 13-0119	PR	15" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	854.85 150.00	46.10
10 71	13 13-0120	PR	15" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	904.74 150.00	47.74
10 71	13 13-0121	PR	15" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	938.73 150.00	49.39
10 71	13 13-0122	PR	15" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	988.63 150.00	51.03
10 71	13 13-0123	PR	15" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,022.61 150.00	52.68
<b>10 71 13 13-0124 16" Width</b> <small>(10 71 13 13-0081)</small>					
10 71	13 13-0125	PR	16" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	529.21 150.00	32.92
10 71	13 13-0126	PR	16" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	556.50 150.00	34.57
10 71	13 13-0127	PR	16" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	618.40 150.00	36.22
10 71	13 13-0128	PR	16" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	654.51 150.00	37.86
10 71	13 13-0129	PR	16" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	707.58 150.00	39.51
10 71	13 13-0130	PR	16" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	760.65 150.00	41.16
10 71	13 13-0131	PR	16" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	796.76 150.00	42.80
10 71	13 13-0132	PR	16" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	849.83 150.00	44.45
10 71	13 13-0133	PR	16" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	902.90 150.00	46.10
10 71	13 13-0134	PR	16" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	955.97 150.00	47.74
10 71	13 13-0135	PR	16" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	992.08 150.00	49.39
10 71	13 13-0136	PR	16" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,045.15 150.00	51.03
10 71	13 13-0137	PR	16" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,081.26 150.00	52.68
<b>10 71 13 13-0138 18" Width</b> <small>(10 71 13 13-0081)</small>					

**10 Specialties**  
**10 70 Exterior Specialties**  
**10 71 Exterior Protection**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0139	PR		18" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar .....	580.80	32.92
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0140	PR		18" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar .....	621.15	34.57
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0141	PR		18" x 44" Louver Shutter, Heavy Duty Red Cedar .....	680.58	36.22
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0142	PR		18" x 47" Louver Shutter, Heavy Duty Red Cedar .....	720.93	37.86
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0143	PR		18" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar .....	780.36	39.51
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0144	PR		18" x 56" Louver Shutter, Heavy Duty Red Cedar .....	839.79	41.16
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0145	PR		18" x 59" Louver Shutter, Heavy Duty Red Cedar .....	880.14	42.80
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0146	PR		18" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar .....	939.57	44.45
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0147	PR		18" x 68" Louver Shutter, Heavy Duty Red Cedar .....	999.00	46.10
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0148	PR		18" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar .....	1,058.43	47.74
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0149	PR		18" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar .....	1,098.78	49.39
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0150	PR		18" x 80" Louver Shutter, Heavy Duty Red Cedar .....	1,158.21	51.03
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0151	PR		18" x 83" Louver Shutter, Heavy Duty Red Cedar .....	1,198.56	52.68
			<i>For Arched Tops, Add</i>	150.00	
<b>10 71 13 13-0152</b>			<b>Exterior Cypress Fixed Louver Wood Shutters (10 71 13 13)</b>		
<b>10 71 13 13-0153</b>			<b>6" Through 8" Width (10 71 13 13-0152)</b>		
10 71 13 13-0154	PR		6" Thru 8" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter.....	529.65	31.28
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0155	PR		6" Thru 8" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter .....	595.71	32.16
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0156	PR		6" Thru 8" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter .....	661.96	32.92
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0157	PR		6" Thru 8" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter .....	729.20	34.57
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0158	PR		6" Thru 8" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter .....	796.45	36.22
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0159	PR		6" Thru 8" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter .....	863.72	37.86
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0160	PR		6" Thru 8" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter .....	930.95	39.51
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0161	PR		6" Thru 8" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter .....	998.21	41.16
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0162	PR		6" Thru 8" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter .....	1,065.47	42.80
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0163	PR		6" Thru 8" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter .....	1,132.71	44.45
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0164	PR		6" Thru 8" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter .....	1,199.96	46.10
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0165	PR		6" Thru 8" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter .....	1,267.23	47.74
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0166	PR		6" Thru 8" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter .....	1,334.48	49.39
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0167	PR		6" Thru 8" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter .....	1,401.75	51.03
			<i>For Arched Tops, Add</i>	65.00	
<b>10 71 13 13-0168</b>			<b>10" Through 12" Width (10 71 13 13-0152)</b>		
10 71 13 13-0169	PR		10" Thru 12" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter.....	615.76	31.28
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0170	PR		10" Thru 12" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter .....	693.38	32.16
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0171	PR		10" Thru 12" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter .....	771.02	32.92
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0172	PR		10" Thru 12" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter .....	849.77	34.57
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0173	PR		10" Thru 12" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter .....	928.48	36.22
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0174	PR		10" Thru 12" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter .....	1,007.23	37.86
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0175	PR		10" Thru 12" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter .....	1,085.97	39.51
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0176	PR		10" Thru 12" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter .....	1,164.69	41.16
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0177	PR		10" Thru 12" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter .....	1,243.43	42.80
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0178	PR		10" Thru 12" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter .....	1,322.18	44.45
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0179	PR		10" Thru 12" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter .....	1,400.89	46.10
			<i>For Arched Tops, Add</i>	65.00	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0180 PR 10" Thru 12" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter .....	1,479.64	47.74
For Arched Tops, Add	65.00	
10 71 13 13-0181 PR 10" Thru 12" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter .....	1,558.35	49.39
For Arched Tops, Add	65.00	
10 71 13 13-0182 PR 10" Thru 12" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter .....	1,637.09	51.03
For Arched Tops, Add	65.00	
<b>10 71 13 13-0183 14" Through 16" Width</b> <small>(10 71 13 13-0152)</small>		
10 71 13 13-0184 PR 14" Thru 16" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter .....	807.10	31.28
For Arched Tops, Add	65.00	
10 71 13 13-0185 PR 14" Thru 16" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter .....	910.25	32.16
For Arched Tops, Add	65.00	
10 71 13 13-0186 PR 14" Thru 16" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter .....	1,013.38	32.92
For Arched Tops, Add	65.00	
10 71 13 13-0187 PR 14" Thru 16" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter .....	1,117.64	34.57
For Arched Tops, Add	65.00	
10 71 13 13-0188 PR 14" Thru 16" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter .....	1,221.88	36.22
For Arched Tops, Add	65.00	
10 71 13 13-0189 PR 14" Thru 16" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter .....	1,326.14	37.86
For Arched Tops, Add	65.00	
10 71 13 13-0190 PR 14" Thru 16" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter .....	1,430.38	39.51
For Arched Tops, Add	65.00	
10 71 13 13-0191 PR 14" Thru 16" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter .....	1,534.64	41.16
For Arched Tops, Add	65.00	
10 71 13 13-0192 PR 14" Thru 16" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter .....	1,536.83	42.80
For Arched Tops, Add	65.00	
10 71 13 13-0193 PR 14" Thru 16" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter .....	1,743.14	44.45
For Arched Tops, Add	65.00	
10 71 13 13-0194 PR 14" Thru 16" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter .....	1,847.38	46.10
For Arched Tops, Add	65.00	
10 71 13 13-0195 PR 14" Thru 16" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter .....	1,951.61	47.74
For Arched Tops, Add	65.00	
10 71 13 13-0196 PR 14" Thru 16" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter .....	2,055.85	49.39
For Arched Tops, Add	65.00	
10 71 13 13-0197 PR 14" Thru 16" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter .....	2,160.11	51.03
For Arched Tops, Add	65.00	
<b>10 71 13 13-0198 18" Through 20" Width</b> <small>(10 71 13 13-0152)</small>		
10 71 13 13-0199 PR 18" Thru 20" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter .....	902.76	31.28
For Arched Tops, Add	65.00	
10 71 13 13-0200 PR 18" Thru 20" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter .....	1,018.68	32.16
For Arched Tops, Add	65.00	
10 71 13 13-0201 PR 18" Thru 20" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter .....	1,134.57	32.92
For Arched Tops, Add	65.00	
10 71 13 13-0202 PR 18" Thru 20" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter .....	1,250.52	34.57
For Arched Tops, Add	65.00	
10 71 13 13-0203 PR 18" Thru 20" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter .....	1,368.58	36.22
For Arched Tops, Add	65.00	
10 71 13 13-0204 PR 18" Thru 20" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter .....	1,485.60	37.86
For Arched Tops, Add	65.00	
10 71 13 13-0205 PR 18" Thru 20" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter .....	1,602.59	39.51
For Arched Tops, Add	65.00	
10 71 13 13-0206 PR 18" Thru 20" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter .....	1,719.61	41.16
For Arched Tops, Add	65.00	
10 71 13 13-0207 PR 18" Thru 20" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter .....	1,836.59	42.80
For Arched Tops, Add	65.00	
10 71 13 13-0208 PR 18" Thru 20" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter .....	1,953.62	44.45
For Arched Tops, Add	65.00	
10 71 13 13-0209 PR 18" Thru 20" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter .....	2,070.60	46.10
For Arched Tops, Add	65.00	
10 71 13 13-0210 PR 18" Thru 20" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter .....	2,187.62	47.74
For Arched Tops, Add	65.00	
10 71 13 13-0211 PR 18" Thru 20" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter .....	2,304.61	49.39
For Arched Tops, Add	65.00	
10 71 13 13-0212 PR 18" Thru 20" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter .....	2,421.63	51.03
For Arched Tops, Add	65.00	
<b>10 71 13 13-0213 22" Through 24" Width</b> <small>(10 71 13 13-0152)</small>		
10 71 13 13-0214 PR 22" Thru 24" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter .....	1,189.78	31.28
For Arched Tops, Add	65.00	
10 71 13 13-0215 PR 22" Thru 24" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter .....	1,343.95	32.16
For Arched Tops, Add	65.00	
10 71 13 13-0216 PR 22" Thru 24" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter .....	1,498.15	32.92
For Arched Tops, Add	65.00	
10 71 13 13-0217 PR 22" Thru 24" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter .....	1,653.42	34.57
For Arched Tops, Add	65.00	
10 71 13 13-0218 PR 22" Thru 24" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter .....	1,808.68	36.22
For Arched Tops, Add	65.00	
10 71 13 13-0219 PR 22" Thru 24" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter .....	1,963.97	37.86
For Arched Tops, Add	65.00	

**10 Specialties**  
**10 70 Exterior Specialties**  
**10 71 Exterior Protection**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0220	PR		22" Thru 24" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter .....	2,119.23	39.51
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0221	PR		22" Thru 24" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter .....	2,274.50	41.16
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0222	PR		22" Thru 24" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter .....	2,429.79	42.80
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0223	PR		22" Thru 24" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter .....	2,585.06	44.45
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0224	PR		22" Thru 24" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter .....	2,740.32	46.10
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0225	PR		22" Thru 24" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter .....	2,895.61	47.74
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0226	PR		22" Thru 24" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter .....	3,050.87	49.39
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0227	PR		22" Thru 24" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter .....	3,206.14	51.03
			<i>For Arched Tops, Add</i>	65.00	
<b>10 71 13 13-0228 26" Through 28" Width (10 71 13 13-0152)</b>					
10 71 13 13-0229	PR		26" Thru 28" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter.....	1,361.99	31.28
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0230	PR		26" Thru 28" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter .....	1,539.12	32.16
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0231	PR		26" Thru 28" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter .....	1,716.28	32.92
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0232	PR		26" Thru 28" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter .....	1,894.52	34.57
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0233	PR		26" Thru 28" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter .....	2,072.74	36.22
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0234	PR		26" Thru 28" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter .....	2,251.00	37.86
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0235	PR		26" Thru 28" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter .....	2,429.22	39.51
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0236	PR		26" Thru 28" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter .....	2,607.46	41.16
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0237	PR		26" Thru 28" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter .....	2,785.71	42.80
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0238	PR		26" Thru 28" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter .....	2,963.91	44.45
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0239	PR		26" Thru 28" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter .....	3,142.14	46.10
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0240	PR		26" Thru 28" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter .....	3,320.40	47.74
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0241	PR		26" Thru 28" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter .....	3,498.62	49.39
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0242	PR		26" Thru 28" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter .....	3,676.83	51.03
			<i>For Arched Tops, Add</i>	65.00	
<b>10 71 13 13-0243 Pine Louvered Shutters (10 71 13 13)</b>					
<b>10 71 13 13-0244 12" Width (10 71 13 13-0243)</b>					
10 71 13 13-0245	PR		12" x 35" Pine Louvered Shutter .....	305.93	32.92
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0246	PR		12" x 39" Pine Louvered Shutter .....	319.23	34.57
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0247	PR		12" x 43" Pine Louvered Shutter .....	332.37	36.22
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0248	PR		12" x 47" Pine Louvered Shutter .....	345.58	37.86
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0249	PR		12" x 51" Pine Louvered Shutter .....	358.72	39.51
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0250	PR		12" x 55" Pine Louvered Shutter .....	371.94	41.16
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0251	PR		12" x 59" Pine Louvered Shutter .....	385.17	42.80
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0252	PR		12" x 63" Pine Louvered Shutter .....	398.47	44.45
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0253	PR		12" x 67" Pine Louvered Shutter .....	411.67	46.10
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0254	PR		12" x 71" Pine Louvered Shutter .....	424.91	47.74
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0255	PR		12" x 75" Pine Louvered Shutter .....	438.11	49.39
			<i>For Arched Tops, Add</i>	65.00	
<b>10 71 13 13-0256 14" Width (10 71 13 13-0243)</b>					
10 71 13 13-0257	PR		14" x 35" Pine Louvered Shutter .....	337.58	32.92
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0258	PR		14" x 39" Pine Louvered Shutter .....	352.32	34.57
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0259	PR		14" x 43" Pine Louvered Shutter .....	366.82	36.22
			<i>For Arched Tops, Add</i>	65.00	



<b>Specialties</b>	<b>10</b>
Exterior Specialties	10 70
Exterior Protection	10 71

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	13 13-0260	PR	14" x 47" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	381.47 65.00	37.86
10 71	13 13-0261	PR	14" x 51" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	396.00 65.00	39.51
10 71	13 13-0262	PR	14" x 55" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	410.50 65.00	41.16
10 71	13 13-0263	PR	14" x 59" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	425.12 65.00	42.80
10 71	13 13-0264	PR	14" x 63" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	439.74 65.00	44.45
10 71	13 13-0265	PR	14" x 67" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	454.27 65.00	46.10
10 71	13 13-0266	PR	14" x 71" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	468.86 65.00	47.74
10 71	13 13-0267	PR	14" x 75" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	483.51 65.00	49.39
<b>10 71 13 13-0268 15" Width</b> <small>(10 71 13 13-0243)</small>					
10 71	13 13-0269	PR	15" x 35" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	353.04 65.00	32.92
10 71	13 13-0270	PR	15" x 39" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	368.31 65.00	34.57
10 71	13 13-0271	PR	15" x 43" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	383.63 65.00	36.22
10 71	13 13-0272	PR	15" x 47" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	398.84 65.00	37.86
10 71	13 13-0273	PR	15" x 51" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	414.13 65.00	39.51
10 71	13 13-0274	PR	15" x 55" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	429.41 65.00	41.16
10 71	13 13-0275	PR	15" x 59" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	444.70 65.00	42.80
10 71	13 13-0276	PR	15" x 63" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	459.94 65.00	44.45
10 71	13 13-0277	PR	15" x 67" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	475.17 65.00	46.10
10 71	13 13-0278	PR	15" x 71" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	490.41 65.00	47.74
10 71	13 13-0279	PR	15" x 75" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	505.71 65.00	49.39
10 71	13 13-0280	PR	15" x 81" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	527.51 65.00	51.03
<b>10 71 13 13-0281 16" Width</b> <small>(10 71 13 13-0243)</small>					
10 71	13 13-0282	PR	16" x 35" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	367.76 65.00	32.92
10 71	13 13-0283	PR	16" x 39" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	384.29 65.00	34.57
10 71	13 13-0284	PR	16" x 43" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	400.97 65.00	36.22
10 71	13 13-0285	PR	16" x 47" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	417.60 65.00	37.86
10 71	13 13-0286	PR	16" x 51" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	434.24 65.00	39.51
10 71	13 13-0287	PR	16" x 55" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	450.87 65.00	41.16
10 71	13 13-0288	PR	16" x 59" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	467.40 65.00	42.80
10 71	13 13-0289	PR	16" x 63" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	484.08 65.00	44.45
10 71	13 13-0290	PR	16" x 67" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	500.70 65.00	46.10
10 71	13 13-0291	PR	16" x 71" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	517.35 65.00	47.74
10 71	13 13-0292	PR	16" x 75" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	533.97 65.00	49.39
10 71	13 13-0293	PR	16" x 81" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	550.51 65.00	51.03
<b>10 71 13 13-0294 18" Width</b> <small>(10 71 13 13-0243)</small>					
10 71	13 13-0295	PR	18" x 35" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	400.14 65.00	32.92
10 71	13 13-0296	PR	18" x 39" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	421.54 65.00	34.57
10 71	13 13-0297	PR	18" x 47" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	458.34 65.00	37.86
10 71	13 13-0298	PR	18" x 55" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	495.24 65.00	41.16
10 71	13 13-0299	PR	18" x 63" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	532.10 65.00	44.45

**10 Specialties**  
**10 70 Exterior Specialties**  
**10 71 Exterior Protection**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0300	PR		18" x 75" Pine Louvered Shutter.....	611.75	49.39
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0301	PR		18" x 81" Pine Louvered Shutter.....	634.27	51.03
			<i>For Arched Tops, Add</i>	65.00	
<b>10 71 13 13-0302</b>			<b>Exterior Cedar Board N' Batten Wood Shutters (10 71 13 13)</b>		
<b>10 71 13 13-0303</b>			<b>8" Through 14" Width (10 71 13 13-0302)</b>		
10 71 13 13-0304	PR		8" Thru 14" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter .....	603.76	31.28
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0305	PR		8" Thru 14" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter .....	792.22	32.16
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0306	PR		8" Thru 14" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter .....	793.32	32.92
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0307	PR		8" Thru 14" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter .....	982.88	34.57
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0308	PR		8" Thru 14" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter .....	985.07	36.22
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0309	PR		8" Thru 14" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter .....	987.27	37.86
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0310	PR		8" Thru 14" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter .....	1,176.81	39.51
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0311	PR		8" Thru 14" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter .....	1,179.01	41.16
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0312	PR		8" Thru 14" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter .....	1,181.20	42.80
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0313	PR		8" Thru 14" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter .....	1,370.75	44.45
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0314	PR		8" Thru 14" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter .....	1,372.94	46.10
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0315	PR		8" Thru 14" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter .....	1,562.50	47.74
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0316	PR		8" Thru 14" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter .....	1,564.69	49.39
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0317	PR		8" Thru 14" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter .....	1,566.89	51.03
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0318	PR		8" Thru 14" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter .....	1,569.09	52.68
			<i>For Arched Tops, Add</i>	65.00	
<b>10 71 13 13-0319</b>			<b>15" Through 16" Width (10 71 13 13-0302)</b>		
10 71 13 13-0320	PR		15" Thru 16" Width x Through 30" Height Cedar Board N' Batten Wood Shutter.....	791.12	31.28
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0321	PR		15" Thru 16" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter .....	792.22	32.16
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0322	PR		15" Thru 16" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter .....	980.68	32.92
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0323	PR		15" Thru 16" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter .....	982.88	34.57
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0324	PR		15" Thru 16" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter .....	1,172.42	36.22
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0325	PR		15" Thru 16" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter .....	1,174.62	37.86
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0326	PR		15" Thru 16" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter .....	1,176.81	39.51
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0327	PR		15" Thru 16" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter .....	1,366.36	41.16
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0328	PR		15" Thru 16" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter .....	1,368.55	42.80
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0329	PR		15" Thru 16" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter .....	1,558.11	44.45
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0330	PR		15" Thru 16" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter .....	1,560.30	46.10
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0331	PR		15" Thru 16" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter .....	1,749.86	47.74
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0332	PR		15" Thru 16" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter .....	1,752.05	49.39
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0333	PR		15" Thru 16" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter .....	1,941.60	51.03
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0334	PR		15" Thru 16" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter .....	1,943.79	52.68
			<i>For Arched Tops, Add</i>	65.00	
<b>10 71 13 13-0335</b>			<b>17" Through 18" Width (10 71 13 13-0302)</b>		
10 71 13 13-0336	PR		17" Thru 18" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter .....	791.12	31.28
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0337	PR		17" Thru 18" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter .....	979.58	32.16
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0338	PR		17" Thru 18" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter .....	980.68	32.92
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0339	PR		17" Thru 18" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter .....	1,170.23	34.57
			<i>For Arched Tops, Add</i>	65.00	





<b>Specialties</b>	<b>10</b>	<b>10</b>
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	13	13-0340	PR 17" Thru 18" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,172.42 65.00	36.22
10 71	13	13-0341	PR 17" Thru 18" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,361.97 65.00	37.86
10 71	13	13-0342	PR 17" Thru 18" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,364.16 65.00	39.51
10 71	13	13-0343	PR 17" Thru 18" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,553.72 65.00	41.16
10 71	13	13-0344	PR 17" Thru 18" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,555.91 65.00	42.80
10 71	13	13-0345	PR 17" Thru 18" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,745.47 65.00	44.45
10 71	13	13-0346	PR 17" Thru 18" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,747.66 65.00	46.10
10 71	13	13-0347	PR 17" Thru 18" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,937.21 65.00	47.74
10 71	13	13-0348	PR 17" Thru 18" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,939.40 65.00	49.39
10 71	13	13-0349	PR 17" Thru 18" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,128.95 65.00	51.03
10 71	13	13-0350	PR 17" Thru 18" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,131.14 65.00	52.68
<b>10 71 13 13-0351 19" Through 20" Width</b> <small>(10 71 13 13-0302)</small>					
10 71	13	13-0352	PR 19" Thru 20" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	978.48 65.00	31.28
10 71	13	13-0353	PR 19" Thru 20" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	979.58 65.00	32.16
10 71	13	13-0354	PR 19" Thru 20" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,168.03 65.00	32.92
10 71	13	13-0355	PR 19" Thru 20" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,170.23 65.00	34.57
10 71	13	13-0356	PR 19" Thru 20" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,359.77 65.00	36.22
10 71	13	13-0357	PR 19" Thru 20" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,361.97 65.00	37.86
10 71	13	13-0358	PR 19" Thru 20" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,551.52 65.00	39.51
10 71	13	13-0359	PR 19" Thru 20" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,741.08 65.00	41.16
10 71	13	13-0360	PR 19" Thru 20" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,743.27 65.00	42.80
10 71	13	13-0361	PR 19" Thru 20" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,932.82 65.00	44.45
10 71	13	13-0362	PR 19" Thru 20" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,935.01 65.00	46.10
10 71	13	13-0363	PR 19" Thru 20" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,124.56 65.00	47.74
10 71	13	13-0364	PR 19" Thru 20" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,126.75 65.00	49.39
10 71	13	13-0365	PR 19" Thru 20" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,316.31 65.00	51.03
10 71	13	13-0366	PR 19" Thru 20" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,318.50 65.00	52.68
<b>10 71 13 13-0367 21" Through 22" Width</b> <small>(10 71 13 13-0302)</small>					
10 71	13	13-0368	PR 21" Thru 22" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	978.48 65.00	31.28
10 71	13	13-0369	PR 21" Thru 22" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	979.58 65.00	32.16
10 71	13	13-0370	PR 21" Thru 22" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,168.03 65.00	32.92
10 71	13	13-0371	PR 21" Thru 22" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,357.58 65.00	34.57
10 71	13	13-0372	PR 21" Thru 22" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,359.77 65.00	36.22
10 71	13	13-0373	PR 21" Thru 22" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,549.33 65.00	37.86
10 71	13	13-0374	PR 21" Thru 22" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,551.52 65.00	39.51
10 71	13	13-0375	PR 21" Thru 22" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,741.08 65.00	41.16
10 71	13	13-0376	PR 21" Thru 22" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,930.62 65.00	42.80
10 71	13	13-0377	PR 21" Thru 22" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,932.82 65.00	44.45
10 71	13	13-0378	PR 21" Thru 22" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,122.36 65.00	46.10
10 71	13	13-0379	PR 21" Thru 22" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,124.56 65.00	47.74
10 71	13	13-0380	PR 21" Thru 22" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,314.11 65.00	49.39

**10 Specialties**  
**10 70 Exterior Specialties**  
**10 71 Exterior Protection**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0381	PR		21" Thru 22" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter .....	2,316.31	51.03
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0382	PR		21" Thru 22" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter .....	2,318.50	52.68
			<i>For Arched Tops, Add</i>	65.00	
<b>10 71 13 13-0383</b>			<b>22" Through 24" Width</b> <small>(10 71 13 13-0302)</small>		
10 71 13 13-0384	PR		22" Thru 24" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter .....	978.48	31.28
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0385	PR		22" Thru 24" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter .....	1,166.93	32.16
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0386	PR		22" Thru 24" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter .....	1,168.03	32.92
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0387	PR		22" Thru 24" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter .....	1,357.58	34.57
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0388	PR		22" Thru 24" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter .....	1,547.13	36.22
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0389	PR		22" Thru 24" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter .....	1,549.33	37.86
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0390	PR		22" Thru 24" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter .....	1,738.88	39.51
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0391	PR		22" Thru 24" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter .....	1,741.08	41.16
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0392	PR		22" Thru 24" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter .....	1,930.62	42.80
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0393	PR		22" Thru 24" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter .....	2,120.17	44.45
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0394	PR		22" Thru 24" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter .....	2,122.36	46.10
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0395	PR		22" Thru 24" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter .....	2,311.92	47.74
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0396	PR		22" Thru 24" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter .....	2,314.11	49.39
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0397	PR		22" Thru 24" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter .....	2,503.67	51.03
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0398	PR		22" Thru 24" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter .....	2,505.86	52.68
			<i>For Arched Tops, Add</i>	65.00	
<b>10 71 13 13-0399</b>			<b>Accessories</b> <small>(10 71 13 13)</small>		
10 71 13 13-0400	PR		Surface Mounted Pintel, Stainless Steel .....	66.84	
10 71 13 13-0401	PR		Lag Pintel, Stainless Steel .....	66.84	
10 71 13 13-0402	PR		10" Strap Hinge, Stainless Steel .....	100.34	
10 71 13 13-0403	PR		6" L-Hinge, Stainless Steel .....	92.66	
10 71 13 13-0404	PR		Hinge Set, Galvanized And Painted.....	83.86	
10 71 13 13-0405	PR		Acorn Holdback.....	77.86	
10 71 13 13-0406	PR		'S' Holdback, Stainless Steel.....	65.44	
10 71 13 13-0407	PR		'S' Holdback, Galvanized And Painted.....	61.61	
<b>10 73 Protective Covers</b> <small>(10 70)</small>					
<b>10 73 13 Awnings</b> <small>(10 73)</small>					
<b>10 73 13 13 Metal Awnings</b> <small>(10 73 13)</small>					
<b>10 73 13 13-0001 Metal Awnings</b> <small>(10 73 13 13)</small>					
			Note: Includes metal cover, frame supports and anchoring.		
10 73 13 13-0002	SF		Clear Weather Resistant Finish, Ribbed Aluminum Window Awnings .....	74.30	8.47
10 73 13 13-0003	SF		Baked Enamel Finish, Ribbed Aluminum Window Awning .....	65.70	7.58
10 73 13 13-0004	SF		Flat Roofed Steel Awning .....	243.22	8.80
			Note: Per SF of covered area		
10 73 13 13-0005	SF		Arched Roofed Steel Awning (Per SF Of Covered Area).....	250.93	9.90
<b>10 73 13 23 Fabric Awnings</b> <small>(10 73 13)</small>					
<b>10 73 13 23-0001 Canvas Awnings</b> <small>(10 73 13 23)</small>					
			Note: Includes minimum 12 oz. canvas, frame supports and anchoring.		
10 73 13 23-0002	SF		Canvas Awning, Waterproof Fabric Tubular Metal Framing .....	72.56	7.41
10 73 13 23-0003	SF		Side Protection Canvas For Walkways (Per SF Of Wall Area) .....	41.61	2.39
10 73 13 23-0004	SF		Removal And Replacement Of Canvas For Awnings.....	27.02	
			Note: Includes removal of existing canvas cover.		
			<i>For 18 Oz. Vinyl Laminated Polyester Cover, Add</i>	0.92	
<b>10 73 16 Canopies</b> <small>(10 73)</small>					
<b>10 73 16 13 Metal Canopies</b> <small>(10 73 16)</small>					
<b>10 73 16 13-0001 Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished</b> <small>(10 73 16 13)</small>					
			Note: Includes cover, frame supports and anchoring.		
10 73 16 13-0002	EA		8' x 10' Canopy, Aluminum, Wall Hung.....	6,738.02	457.77
10 73 16 13-0003	EA		8' x 20' Canopy, Aluminum, Wall Hung.....	12,546.46	732.60



<b>Specialties</b>	<b>10</b>
Exterior Specialties	10 70
Protective Covers	10 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 73 16 13-0004 EA 10' x 10' Canopy, Aluminum, Wall Hung.....	8,290.97	572.76
10 73 16 13-0005 EA 10' x 20' Canopy, Aluminum, Wall Hung.....	15,316.53	765.90

### 10 73 26 Walkway Coverings (10 73)

Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.

#### 10 73 26 13 Metal Walkway Coverings (10 73 26)

##### 10 73 26 13-0001 Steel Walkway/Parking Covers (10 73 26 13)

Note: Factory applied polyester finish.

10 73 26 13-0002 SF Flat Roofed Steel Walkway/Parking Cover.....	118.60	6.47
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Note: Includes factory applied polyester finish.

For Snow Load (30 PSF), Add

For Wind Load (140 MPH), Add

42.26

52.83

10 73 26 13-0003 SF Arch Roofed Steel Walkway/Parking Cover.....	126.20	6.97
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Note: Includes factory applied polyester finish.

For Snow Load (30 PSF), Add

For Wind Load (140 MPH), Add

44.91

56.14

##### 10 73 26 13-0004 Aluminum Walkway/Parking Covers (10 73 26 13)

10 73 26 13-0005 SF Flat Roofed Aluminum Walkway/Parking Cover.....	64.88	6.47
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Note: Includes factory applied polyester finish.

For Snow Load (30 PSF), Add

For Wind Load (140 MPH), Add

20.78

25.97

10 73 26 13-0006 SF Arch Roofed Aluminum Walkway/Parking Cover.....	70.59	6.97
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Note: Includes factory applied polyester finish.

For Snow Load (30 PSF), Add

For Wind Load (140 MPH), Add

22.66

28.33

### 10 75 Flagpoles (10 70)

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

#### 10 75 16 Ground-Set Flagpoles (10 75)

##### 10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles (10 75 16)

Note: Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.

10 75 16 00-0002 EA 25' Exposed Height, Tapered White Fiberglass Flagpole.....	2,954.91	886.74
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Note: 6" butt diameter, 3" top diameter and 0.180" wall.

For Internal Halyard, Cam System, Add

For Bronze Finish, Add

For Rope Lock Box, Add

300.00

20.00

96.00

10 75 16 00-0003 EA 30' Exposed Height, Tapered White Fiberglass Flagpole.....	3,171.42	967.36
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Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.

For Internal Halyard, Cam System, Add

For Bronze Finish, Add

For Rope Lock Box, Add

300.00

50.00

96.00

10 75 16 00-0004 EA 35' Exposed Height, Tapered White Fiberglass Flagpole.....	3,932.05	1,128.57
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Note: 7" butt diameter, 3" top diameter and 0.200" wall.

For Internal Halyard, Cam System, Add

For Bronze Finish, Add

For Rope Lock Box, Add

300.00

10.00

96.00

10 75 16 00-0005 EA 40' Exposed Height, Tapered White Fiberglass Flagpole.....	4,549.35	1,289.80
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Note: 7" butt diameter, 3" top diameter and 0.200" wall.

For Internal Halyard, Cam System, Add

For Bronze Finish, Add

For Rope Lock Box, Add

300.00

50.00

96.00

10 75 16 00-0006 EA 50' Exposed Height, Tapered White Fiberglass Flagpole.....	7,808.13	1,451.02
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Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.

For Internal Halyard, Winch System, Add

For Bronze Finish, Add

For Rope Lock Box, Add

1,700.00

200.00

96.00

10 75 16 00-0007 EA 60' Exposed Height, Tapered White Fiberglass Flagpole.....	9,217.18	1,612.25
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Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.

For Internal Halyard, Winch System, Add

For Bronze Finish, Add

For Rope Lock Box, Add

1,900.00

160.00

96.00

10 75 16 00-0008 EA 70' Exposed Height, Tapered White Fiberglass Flagpole.....	15,199.33	1,773.48
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Note: 16" butt diameter, 7" top diameter and 0.325" wall.

For Internal Halyard, Winch System, Add

For Bronze Finish, Add

For Rope Lock Box, Add

2,860.00

700.00

96.00

10 75 16 00-0009 EA 78' Exposed Height, Tapered White Fiberglass Flagpole.....	19,447.79	1,934.70
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Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall.

For Internal Halyard, Winch System, Add

For Bronze Finish, Add

For Rope Lock Box, Add

2,900.00

900.00

96.00

##### 10 75 16 00-0010 Free Standing Tapered Aluminum Flagpoles (10 75 16)

Note: Heavy duty. Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0011 EA 20' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 5" butt diameter, 3" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	3,230.71 570.00 150.00 180.00 230.00 96.00	806.13
10 75 16 00-0012 EA 25' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	3,845.43 1,100.00 200.00 230.00 320.00 96.00	886.74
10 75 16 00-0013 EA 30' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	4,268.28 1,390.00 240.00 290.00 400.00 96.00	967.36
10 75 16 00-0014 EA 35' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	5,420.98 1,340.00 290.00 360.00 480.00 96.00	1,128.57
10 75 16 00-0015 EA 40' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	6,701.60 1,490.00 390.00 480.00 660.00 96.00	1,289.80
10 75 16 00-0016 EA 45' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	7,418.65 1,340.00 400.00 500.00 700.00 96.00	1,370.42
10 75 16 00-0017 EA 50' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 10" butt diameter, 4" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	9,325.38 1,380.00 700.00 860.00 1,130.00 96.00	1,451.02
10 75 16 00-0018 EA 60' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.250" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	15,991.38 1,800.00 620.00 820.00 1,160.00 96.00	1,612.25
10 75 16 00-0019 EA 70' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.250" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	17,502.26 1,720.00 710.00 950.00 1,360.00 96.00	1,773.48
10 75 16 00-0020 EA 80' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.375" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	21,891.30 2,600.00 1,100.00 1,380.00 1,840.00 96.00	1,934.70
10 75 16 00-0021 Flagpole Bases <small>(10 75 16)</small>		
10 75 16 00-0022 Flagpole Concrete Base <small>(10 75 16 00-0021)</small> Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.		
10 75 16 00-0023 EA 30' Or Less Flagpole, Poured Concrete Foundation.....	1,619.05	
10 75 16 00-0024 EA 35' Flagpole, Poured Concrete Foundation.....	1,674.47	
10 75 16 00-0025 EA 40' Flagpole, Poured Concrete Foundation.....	1,922.40	
10 75 16 00-0026 EA 45' Flagpole, Poured Concrete Foundation.....	2,034.28	
10 75 16 00-0027 EA 50' Flagpole, Poured Concrete Foundation.....	2,441.50	
10 75 16 00-0028 EA 60' Flagpole, Poured Concrete Foundation.....	2,957.74	
10 75 16 00-0029 EA 70' Flagpole, Poured Concrete Foundation.....	3,502.24	
10 75 16 00-0030 EA 80' Flagpole, Poured Concrete Foundation.....	4,072.88	
10 75 16 00-0031 EA 90' To 100' Flagpole, Poured Concrete Foundation.....	4,749.66	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Exterior Specialties	10 70	
Flagpoles	10 75	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 75 16 00-0032 Direct Embedded Flagpole Base</b> <small>(10 75 16 00-0021)</small>		
Note: Augured in place, no concrete required.		
10 75 16 00-0033 EA	20' To 25' Flagpole, Direct Embedded Pole Base.....	639.12
10 75 16 00-0034 EA	30' To 40' Flagpole, Direct Embedded Pole Base.....	917.39
10 75 16 00-0035 EA	45' To 55' Flagpole, Direct Embedded Pole Base.....	1,024.15
10 75 16 00-0036 EA	60' To 70' Flagpole, Direct Embedded Pole Base.....	1,153.51

<b>10 75 16 00-0037 Flagpole Accessories</b> <small>(10 75 16)</small>			
<b>10 75 16 00-0038 Flagpole Tops</b> <small>(10 75 16 00-0037)</small>			
Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.			
10 75 16 00-0039 EA	4" Gold Anodized Aluminum Ball For Top Of Flagpole .....	128.44	46.32
10 75 16 00-0040 EA	5" Gold Anodized Aluminum Ball For Top Of Flagpole .....	140.28	49.04
10 75 16 00-0041 EA	6" Gold Anodized Aluminum Ball For Top Of Flagpole .....	157.25	51.77
10 75 16 00-0042 EA	8" Gold Anodized Aluminum Ball For Top Of Flagpole .....	206.19	54.48
10 75 16 00-0043 EA	10" Gold Anodized Aluminum Ball For Top Of Flagpole .....	273.04	57.21
10 75 16 00-0044 EA	12" Gold Anodized Aluminum Ball For Top Of Flagpole .....	305.36	59.93
10 75 16 00-0045 EA	11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	278.49	59.93
10 75 16 00-0046 EA	15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	324.26	68.11
10 75 16 00-0047 EA	7" Bronze Eagle Mounted On Spindle Rod.....	154.17	59.93

<b>10 75 16 00-0048 Flagpole Accessories</b> <small>(10 75 16 00-0037)</small>			
Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.			
10 75 16 00-0049 LF	5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	1.36	0.08
10 75 16 00-0050 LF	5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles.....	0.67	0.08
10 75 16 00-0051 LF	5/16" Diameter, Nylon Halyard (Rope) For Flagpoles.....	0.51	0.08
10 75 16 00-0052 LF	3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	1.81	0.08
10 75 16 00-0053 EA	Refinish Existing Flagpole Ball.....	365.31	136.16
10 75 16 00-0054 EA	Locking Aluminum Cleat Box For Flagpoles.....	322.07	81.69
10 75 16 00-0055 EA	Aluminum Cleat For Flagpoles.....	27.14	5.45
10 75 16 00-0056 LF	1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles.....	0.69	0.10

**10 75 23 Wall-Mounted Flagpoles** (10 75)

<b>10 75 23 00-0001 Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles</b> <small>(10 75 23)</small>			
Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.			
10 75 23 00-0002 EA	14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole .....	2,143.40	707.13
	<i>For Rope Lock Box, Add</i>	96.00	
10 75 23 00-0003 EA	17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole .....	2,323.20	777.84
	<i>For Rope Lock Box, Add</i>	96.00	
10 75 23 00-0004 EA	20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole .....	2,515.79	848.56
	<i>For Rope Lock Box, Add</i>	96.00	
10 75 23 00-0005 EA	25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole .....	2,913.77	989.98
	<i>For Rope Lock Box, Add</i>	96.00	

<b>10 75 23 00-0006 Outrigger, Wall Mounted Tapered Aluminum Flagpoles</b> <small>(10 75 23)</small>			
Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.			
10 75 23 00-0007 EA	10', Wall Mounted, Aluminum Outrigger Flagpole With Bracket .....	2,859.03	636.41
	<i>For Rope Lock Box, Add</i>	96.00	
10 75 23 00-0008 EA	15', Wall Mounted, Aluminum Outrigger Flagpole With Bracket .....	3,077.21	707.13
	<i>For Rope Lock Box, Add</i>	96.00	
10 75 23 00-0009 EA	20', Wall Mounted, Aluminum Outrigger Flagpole With Bracket .....	3,411.22	848.56
	<i>For Rope Lock Box, Add</i>	96.00	

**10 80 Other Specialties** (10)

**10 81 Pest Control Devices** (10 80)

**10 81 13 Bird Control Devices** (10 81)

<b>10 81 13 00-0001 Stainless Steel Spiked Bird Barrier</b> <small>(10 81 13)</small>			
Note: Stainless steel spikes with flexible polycarbonate base.			
10 81 13 00-0002 LF	2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	10.01	0.88
10 81 13 00-0003 LF	4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	12.09	0.88
10 81 13 00-0004 LF	8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System .....	17.91	0.88

<b>10 81 13 00-0005 Polycarbonate Spiked Bird Barrier</b> <small>(10 81 13)</small>			
Note: Polycarbonate spikes and base.			
10 81 13 00-0006 LF	3" Wide Polycarbonate Spikes And Base Bird Deterrent System .....	9.22	0.88
10 81 13 00-0007 LF	5" Wide Polycarbonate Spikes And Base Bird Deterrent System .....	11.19	0.88
10 81 13 00-0008 LF	8" Wide Polycarbonate Spikes And Base Bird Deterrent System .....	13.33	0.88

<b>10</b>	<b>10 Specialties</b>
	<b>10 80 Other Specialties</b>
	<b>10 81 Pest Control Devices</b>



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
<b>10 81 13 00-0009</b>		<b>Spiked Gutter Or Girder Bird Barrier</b> <small>(10 81 13)</small>			
		Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.			
10 81 13 00-0010	LF	Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application .....	10.70		0.88
<b>10 81 13 00-0011</b>		<b>Coil Bird Barrier</b> <small>(10 81 13)</small>			
		Note: Stainless steel coil.			
10 81 13 00-0012	LF	4" Diameter Stainless Steel Coil Bird Deterrent System .....	7.41		0.88
10 81 13 00-0013	LF	5" Diameter Stainless Steel Coil Bird Deterrent System .....	8.81		0.88
<b>10 81 13 00-0014</b>		<b>Spider Bird Barrier</b> <small>(10 81 13)</small>			
		Note: Stainless steel arms with various bases.			
10 81 13 00-0015	EA	2' Diameter Stainless Steel Spider Bird Deterrent System.....	126.74		0.88
10 81 13 00-0016	EA	4' Diameter Stainless Steel Spider Bird Deterrent System.....	187.98		0.88
10 81 13 00-0017	EA	8' Diameter Stainless Steel Spider Bird Deterrent System.....	237.89		0.88
<b>10 81 13 00-0018</b>		<b>Oriented Flexible Flame-resistant Netting</b> <small>(10 81 13)</small>			
		Note: Includes stainless steel rings and plastic ties.			
10 81 13 00-0019	SF	1/8" x 1/8" Mesh Flexible Polypropylene Netting.....	0.91		0.32
		Note: To control bird and marine predators.			
10 81 13 00-0020	SF	1/4" x 1/4" Mesh Flexible Polypropylene Netting.....	0.88		0.32
		Note: To control bird and marine predators.			
10 81 13 00-0021	SF	1/2" x 1/2" Mesh Flexible Polypropylene Netting.....	0.84		0.32
		Note: To control bird and marine predators.			
10 81 13 00-0022	SF	3/4" x 3/4" Mesh Flexible Polypropylene Netting.....	0.81		0.32
		Note: To control bird and marine predators.			
10 81 13 00-0023	SF	1" x 1" Mesh Flexible Polypropylene Netting.....	0.81		0.32
		Note: To control bird and marine predators.			
10 81 13 00-0024	SF	1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting .....	0.79		0.32
		Note: To control bird and marine predators.			
10 81 13 00-0025	SF	2" x 2" Mesh Flexible Polypropylene Netting.....	0.77		0.32
		Note: To control bird and marine predators.			
10 81 13 00-0026	SF	3" x 3" Mesh Flexible Polypropylene Netting.....	0.77		0.32
		Note: To control bird and marine predators.			
10 81 13 00-0027	SF	4" x 4" Mesh Flexible Polypropylene Netting.....	0.74		0.32
		Note: To control bird and marine predators.			
10 81 13 00-0028	SF	5/8" x 3/4" Mesh Flexible Polypropylene Netting.....	0.83		0.32
		Note: To control bird and marine predators.			
10 81 13 00-0029	SF	1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting .....	0.78		0.32
		Note: To control bird and marine predators.			
10 81 13 00-0030	EA	Poly Clips For Flexible Netting.....	2.84		
<b>10 81 13 00-0031</b>		<b>Netting Accessories</b> <small>(10 81 13)</small>			
10 81 13 00-0032	EA	2' Zipper For Flexible Netting.....	8.78		
10 81 13 00-0033	EA	4' Zipper For Flexible Netting.....	13.23		
10 81 13 00-0034	EA	6' Zipper For Flexible Netting.....	15.56		
10 81 13 00-0035	EA	8' Zipper For Flexible Netting.....	22.12		
<b>10 81 16</b>		<b>Insect Control Devices</b> <small>(10 81)</small>			
<b>10 81 16 00-0001</b>		<b>Insect Screening</b> <small>(10 81 16)</small>			
10 81 16 00-0002	CSF	17/14 Mesh Insect Screening With Flat Screen Splines .....	132.66		
<b>10 86</b>		<b>Security Mirrors And Domes</b> <small>(10 80)</small>			
<b>10 86 00 00-0001</b>		<b>Dome Mirrors</b> <small>(10 86)</small>			
		Note: Includes all mounting hardware. Indoor or outdoor applications.			
<b>10 86 00 00-0002</b>		<b>Steel Dome Mirrors</b> <small>(10 86 00 00-0001)</small>			
10 86 00 00-0003	EA	9" Diameter Full-Dome Steel Dome Mirror.....	299.29		21.79
10 86 00 00-0004	EA	12" Diameter Full-Dome Steel Dome Mirror.....	352.61		22.88
10 86 00 00-0005	EA	18" Diameter Full-Dome Steel Dome Mirror.....	408.10		25.07
10 86 00 00-0006	EA	24" Diameter Full-Dome Steel Dome Mirror.....	545.87		27.24
10 86 00 00-0007	EA	9" Diameter Half-Dome Steel Dome Mirror.....	214.13		16.35
10 86 00 00-0008	EA	12" Diameter Half-Dome Steel Dome Mirror.....	247.45		17.43
10 86 00 00-0009	EA	18" Diameter Half-Dome Steel Dome Mirror.....	289.40		19.07
10 86 00 00-0010	EA	24" Diameter Half-Dome Steel Dome Mirror.....	403.84		20.71
<b>10 86 00 00-0011</b>		<b>Plexiglas Dome Mirrors</b> <small>(10 86 00 00-0001)</small>			
10 86 00 00-0012	EA	18" Diameter Full-Dome Plexiglas Dome Mirror .....	231.34		25.07
10 86 00 00-0013	EA	26" Diameter Full-Dome Plexiglas Dome Mirror .....	327.97		27.24
10 86 00 00-0014	EA	32" Diameter Full-Dome Plexiglas Dome Mirror .....	434.53		31.60
10 86 00 00-0015	EA	36" Diameter Full-Dome Plexiglas Dome Mirror .....	525.43		38.14
10 86 00 00-0016	EA	48" Diameter Full-Dome Plexiglas Dome Mirror .....	767.13		54.48
10 86 00 00-0017	EA	18" Diameter Half-Dome Plexiglas Dome Mirror.....	141.09		19.07



<b>Specialties</b>	<b>10</b>
Other Specialties	10 80
Security Mirrors And Domes	10 86

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0018 EA 26" Diameter Half-Dome Plexiglas Dome Mirror.....	191.05	20.71
10 86 00 00-0019 EA 32" Diameter Half-Dome Plexiglas Dome Mirror.....	252.29	23.97
10 86 00 00-0020 EA 36" Diameter Half-Dome Plexiglas Dome Mirror.....	311.24	28.87
10 86 00 00-0021 EA 48" Diameter Half-Dome Plexiglas Dome Mirror.....	495.30	40.87
10 86 00 00-0022 EA 18" Diameter Quarter-Dome Plexiglas Dome Mirror.....	90.50	16.35
10 86 00 00-0023 EA 26" Diameter Quarter-Dome Plexiglas Dome Mirror.....	116.67	17.98
10 86 00 00-0024 EA 32" Diameter Quarter-Dome Plexiglas Dome Mirror.....	153.94	20.16
10 86 00 00-0025 EA 36" Diameter Quarter-Dome Plexiglas Dome Mirror.....	192.03	23.97
10 86 00 00-0026 EA 48" Diameter Quarter-Dome Plexiglas Dome Mirror.....	319.37	34.05
<b>10 86 00 00-0027 Coated Plexiglas Dome Mirrors <small>(10 86 00 00-0001)</small></b>		
10 86 00 00-0028 EA 18" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	276.92	25.07
10 86 00 00-0029 EA 26" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	430.25	27.24
10 86 00 00-0030 EA 36" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	729.99	38.14
10 86 00 00-0031 EA 48" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	1,125.11	54.48
10 86 00 00-0032 EA 18" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	179.33	19.07
10 86 00 00-0033 EA 26" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	268.21	20.71
10 86 00 00-0034 EA 36" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	424.64	28.87
10 86 00 00-0035 EA 48" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	704.31	40.87
10 86 00 00-0036 EA 18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	129.86	16.35
10 86 00 00-0037 EA 26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	182.93	17.98
10 86 00 00-0038 EA 32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	237.54	20.16
10 86 00 00-0039 EA 36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	305.88	23.97
10 86 00 00-0040 EA 48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	479.46	34.05
<b>10 86 00 00-0041 Circular Convex Security Mirrors <small>(10 86)</small></b>		
Note: Includes all mounting hardware.		
<b>10 86 00 00-0042 Plexiglas Circular Convex Mirrors <small>(10 86 00 00-0041)</small></b>		
Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0043 EA 12" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	97.14	17.43
10 86 00 00-0044 EA 18" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	126.86	19.07
10 86 00 00-0045 EA 26" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	193.50	20.71
10 86 00 00-0046 EA 30" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	242.06	23.97
10 86 00 00-0047 EA 36" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	322.36	28.87
10 86 00 00-0048 EA 48" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	570.90	40.87
10 86 00 00-0049 EA 18" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	164.43	19.07
10 86 00 00-0050 EA 26" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	237.97	20.71
10 86 00 00-0051 EA 36" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	340.14	28.87
10 86 00 00-0052 EA 48" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	624.26	40.87
<b>10 86 00 00-0053 Coated Plexiglas Circular Convex Mirrors <small>(10 86 00 00-0041)</small></b>		
Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0054 EA 18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	199.12	19.07
10 86 00 00-0055 EA 26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	314.90	20.71
10 86 00 00-0056 EA 30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	423.72	23.97
10 86 00 00-0057 EA 36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	529.14	28.87
10 86 00 00-0058 EA 48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	768.79	40.87
10 86 00 00-0059 EA 18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	239.81	19.07
10 86 00 00-0060 EA 26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	372.71	20.71
10 86 00 00-0061 EA 30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	519.33	23.97
10 86 00 00-0062 EA 36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	586.95	28.87
10 86 00 00-0063 EA 48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	931.11	40.87

**END OF SECTION 10**

10	<b>10</b>	<b>Specialties</b>
	10 80	Other Specialties
	10 86	Security Mirrors And Domes



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 11 Equipment

### 11 01 Operation and Maintenance of Equipment <sup>(11)</sup>

#### 11 01 10 Operation and Maintenance of Vehicle and Pedestrian Equipment <sup>(11 01)</sup>

##### 11 01 10 13 Operation and Maintenance of Parking Equipment <sup>(11 01 10)</sup>

<b>11 01 10 13-0001 Replacement Parking Equipment <sup>(11 01 10 13)</sup></b>		
11 01 10 13-0002	EA 10' Wood Arm Replacement With Bolts .....	589.71
11 01 10 13-0003	EA 12' Wood Arm Replacement With Bolts .....	616.07
11 01 10 13-0004	EA 14' Wood Arm Replacement With Bolts .....	646.38
11 01 10 13-0005	EA 12' Aluminum Arm Replacement With Bolts .....	861.69
11 01 10 13-0006	EA 14' Aluminum Arm Replacement With Bolts .....	890.05
11 01 10 13-0007	EA 16' Aluminum Arm Replacement With Bolts .....	1,262.26
11 01 10 13-0008	EA 18' Aluminum Arm Replacement With Bolts .....	1,280.53
11 01 10 13-0009	EA 20' Aluminum Arm Replacement With Bolts .....	1,315.76
11 01 10 13-0010	EA 22' Aluminum Arm Replacement With Bolts .....	1,513.45
11 01 10 13-0011	EA 24' Aluminum Arm Replacement With Bolts .....	1,538.25

### 11 10 Vehicle and Pedestrian Equipment <sup>(11)</sup>

#### 11 12 Parking Control Equipment <sup>(11 10)</sup>

##### 11 12 13 Parking Key and Card Control Units <sup>(11 12)</sup>

11 12 13 00-0001	EA Card Access Control System, Surface Mounted..... Note: Entracomp 26SA-SM.	1,434.72	72.18
11 12 13 00-0002	EA Card Access Control System, Flush Mounted .....	1,604.07	72.18
11 12 13 00-0003	EA Card Access Control System, Flush Mounted .....	1,861.57	72.18
11 12 13 00-0004	EA Electronic Vehicle Detector Units, Push-Button Intercom..... Note: 3-position sensitivity switch and detection indicator light on front panel.	457.10	24.06
	<i>For Wiring Harness, Add</i>	34.00	

##### 11 12 16 Parking Ticket Dispensers <sup>(11 12)</sup>

##### 11 12 16 00-0001 Parking Ticket Dispensers <sup>(11 12 16)</sup>

11 12 16 00-0002	EA Standard Parking Ticket Dispenser With Time/Date Stamp .....	11,033.93	173.23
11 12 16 00-0003	EA Rate Computing Parking Ticket Dispenser With Printer .....	14,913.88	173.23

##### 11 12 23 Parking Meters <sup>(11 12)</sup>

##### 11 12 23 00-0001 Parking Meters <sup>(11 12 23)</sup>

11 12 23 00-0002	EA Removal Of Parking Meter For Replacement Or Reinstall Existing Meter .....	191.14	
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##### 11 12 26 Parking Fee Collection Equipment <sup>(11 12)</sup>

##### 11 12 26 13 Parking Fee Coin Collection Equipment <sup>(11 12 26)</sup>

##### 11 12 26 13-0001 Parking Fee Collection Equipment <sup>(11 12 26 13)</sup>

11 12 26 13-0002	EA Multiple Station Slot Box For Parking Fee Collection.....	2,603.43	58.70
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##### 11 12 33 Parking Gates <sup>(11 12)</sup>

##### 11 12 33 13 Lift Arm Parking Gates <sup>(11 12 33)</sup>

##### 11 12 33 13-0001 Barrier Parking Gate Operators <sup>(11 12 33 13)</sup>

##### 11 12 33 13-0002 Barrier Parking Gate Operators <sup>(11 12 33 13-0001)</sup>

Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.			
11 12 33 13-0003	EA 12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080) .....	5,485.08	240.10
	<i>For 230/460 Volt AC, Add</i>	322.50	
11 12 33 13-0004	EA 14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080).....	5,464.49	240.10
	<i>For 230/460 Volt AC, Add</i>	322.50	
11 12 33 13-0005	EA 14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080) .....	5,725.37	240.10
	<i>For 230/460 Volt AC, Add</i>	322.50	
11 12 33 13-0006	EA 20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080) .....	8,270.71	240.10
	<i>For 230/460 Volt AC, Add</i>	322.50	
11 12 33 13-0007	EA 14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD).....	8,366.41	240.10
11 12 33 13-0008	EA 14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD) .....	8,778.34	240.10

11	<b>11</b>	<b>Equipment</b>
	<b>11 10</b>	<b>Vehicle and Pedestrian Equipment</b>
	<b>11 12</b>	<b>Parking Control Equipment</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 12 33 13-0009			<b>Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes</b> <small>(11 12 33 13-0001)</small> Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.		
11 12 33 13-0010	EA		14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080) .....	17,248.81	480.20
11 12 33 13-0011	EA		14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080) .....	20,228.36	480.20
11 12 33 13-0012	EA		14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080) .....	17,403.28	480.20
11 12 33 13-0013	EA		14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080) .....	20,382.83	480.20

11 12 33 13-0014			<b>Barrier Parking Gate Operator Accessories</b> <small>(11 12 33 13-0001)</small>		
11 12 33 13-0015	EA		12' Plastic Replacement Arm For Barrier Parking Gate Operators .....	211.32	19.84
11 12 33 13-0016	EA		14' Wood Replacement Arm For Barrier Parking Gate Operators .....	190.72	19.84
11 12 33 13-0017	EA		14' Aluminum Replacement Arm For Barrier Parking Gate Operators .....	451.61	19.84
11 12 33 13-0018	EA		20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators .....	683.32	19.84
11 12 33 13-0019	EA		Folding Wood Replacement Arm For Barrier Parking Gate Operators .....	623.25	19.84
11 12 33 13-0020	EA		Folding Plastic Replacement Arm For Barrier Parking Gate Operators .....	623.25	19.84
11 12 33 13-0021	EA		Folding Aluminum Replacement Arm For Barrier Parking Gate Operators .....	760.56	19.84
11 12 33 13-0022	EA		Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092) .....	624.22	119.02
11 12 33 13-0023	EA		Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093) .....	624.22	119.02
11 12 33 13-0024	EA		Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010) .....	620.14	
11 12 33 13-0025	EA		Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B) .....	1,594.29	
11 12 33 13-0026	EA		36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD) .....	1,059.62	19.84
			Note: Includes mounting plate and hardware. Excludes concrete foundation.		

**11 12 36 Tire Shredders** (11 12)

11 12 36 00-0001			<b>Tire Shredding Traffic Control Spikes</b> <small>(11 12 36)</small>		
11 12 36 00-0002			<b>Flush Mount, Tire Shredding Traffic Control Spikes</b> <small>(11 12 36 00-0001)</small>		
11 12 36 00-0003	EA		6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081) .....	2,634.50	317.39
11 12 36 00-0004			<b>Surface Mount, Tire Shredding Traffic Control Spikes</b> <small>(11 12 36 00-0001)</small>		
11 12 36 00-0005	EA		3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088) .....	4,792.91	158.70
11 12 36 00-0006	EA		3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087) .....	3,419.81	158.70
11 12 36 00-0007			<b>Warning Signs And Signals For Tire Shredding Traffic Control Spikes</b> <small>(11 12 36 00-0001)</small>		
11 12 36 00-0008	EA		Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615) .....	2,127.18	59.51
			Note: Includes light and mounting post.		
11 12 36 00-0009	EA		Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603) .....	1,720.60	79.34
			Note: Includes mounting post and hardware.		

**11 13 Loading Dock Equipment** (11 10)

**11 13 13 Loading Dock Bumpers** (11 13)

11 13 13 00-0001			<b>Laminated Rubber Dock Bumpers</b> <small>(11 13 13)</small>		
11 13 13 00-0002			<b>4-1/2" Projection, Laminated Rubber Dock Bumpers</b> <small>(11 13 13 00-0001)</small>		
11 13 13 00-0003	EA		14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	137.00	21.78
11 13 13 00-0004	EA		24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	174.21	21.78
11 13 13 00-0005	EA		36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	226.69	21.78
11 13 13 00-0006	EA		12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	152.86	21.78
11 13 13 00-0007	EA		14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	166.00	21.78
11 13 13 00-0008	EA		18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	189.51	21.78
11 13 13 00-0009	EA		24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	226.69	21.78
11 13 13 00-0010	EA		36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	310.67	21.78
11 13 13 00-0011	EA		12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	173.85	21.78
11 13 13 00-0012	EA		12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	189.51	21.78
11 13 13 00-0013	EA		12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	234.16	21.78
11 13 13 00-0014	EA		12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	265.83	21.78
11 13 13 00-0015	EA		12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	368.67	21.78
11 13 13 00-0016	EA		11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	215.66	21.78
11 13 13 00-0017	EA		11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	252.49	21.78
11 13 13 00-0018	EA		11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	330.95	21.78
11 13 13 00-0019			<b>6" Projection, Laminated Rubber Dock Bumpers</b> <small>(11 13 13 00-0001)</small>		
11 13 13 00-0020	EA		12" x 10", 6" Projection, Laminated Rubber Dock Bumper .....	194.27	21.78
11 13 13 00-0021	EA		14" x 10", 6" Projection, Laminated Rubber Dock Bumper .....	207.26	21.78
11 13 13 00-0022	EA		18" x 10", 6" Projection, Laminated Rubber Dock Bumper .....	238.57	21.78



<b>Equipment</b>	<b>11</b>	
<b>Vehicle and Pedestrian Equipment</b>	<b>11 10</b>	<b>11</b>
<b>Loading Dock Equipment</b>	<b>11 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0023 EA 24" x 10", 6" Projection, Laminated Rubber Dock Bumper .....	286.25	21.78
11 13 13 00-0024 EA 36" x 10", 6" Projection, Laminated Rubber Dock Bumper .....	391.75	21.78
11 13 13 00-0025 EA 12" x 12", 6" Projection, Laminated Rubber Dock Bumper .....	223.09	21.78
11 13 13 00-0026 EA 14" x 12", 6" Projection, Laminated Rubber Dock Bumper .....	233.77	21.78
11 13 13 00-0027 EA 18" x 12", 6" Projection, Laminated Rubber Dock Bumper .....	276.11	21.78
11 13 13 00-0028 EA 24" x 12", 6" Projection, Laminated Rubber Dock Bumper .....	339.27	21.78
11 13 13 00-0029 EA 36" x 12", 6" Projection, Laminated Rubber Dock Bumper .....	516.12	21.78
11 13 13 00-0030 EA 11" x 20", 6" Projection, Laminated Rubber Dock Bumper .....	286.43	21.78
11 13 13 00-0031 EA 11" x 24", 6" Projection, Laminated Rubber Dock Bumper .....	328.77	21.78
11 13 13 00-0032 EA 11" x 36", 6" Projection, Laminated Rubber Dock Bumper .....	334.41	21.78
<b>11 13 13 00-0033 Extruded Rubber Dock Bumpers (11 13 13)</b>		
<b>11 13 13 00-0034 1-3/4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)</b>		
11 13 13 00-0035 EA 12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper .....	71.45	21.78
11 13 13 00-0036 EA 18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper .....	76.69	21.78
11 13 13 00-0037 EA 24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper .....	83.66	21.78
11 13 13 00-0038 EA 36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper .....	90.63	21.78
<b>11 13 13 00-0039 4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)</b>		
11 13 13 00-0040 EA 12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper .....	98.80	21.78
11 13 13 00-0041 EA 18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper .....	120.79	21.78
11 13 13 00-0042 EA 24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper .....	127.12	21.78
11 13 13 00-0043 EA 36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper .....	141.55	21.78
<b>11 13 13 00-0044 6" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)</b>		
11 13 13 00-0045 EA 12" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	120.50	21.78
11 13 13 00-0046 EA 18" x 6", 6" Projection, Extruded Rubber Dock Bumper .....	150.14	21.78
11 13 13 00-0047 EA 24" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	174.55	21.78
11 13 13 00-0048 EA 36" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	221.13	21.78
<b>11 13 13 00-0049 Molded Rubber Dock Bumpers (11 13 13)</b>		
<b>11 13 13 00-0050 Rectangular Molded Rubber Dock Bumpers (11 13 13 00-0049)</b>		
11 13 13 00-0051 EA 18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper.....	101.79	21.78
11 13 13 00-0052 EA 10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	88.33	21.78
11 13 13 00-0053 EA 20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	119.05	21.78
11 13 13 00-0054 EA 30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	150.05	21.78
11 13 13 00-0055 EA 24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	157.36	21.78
11 13 13 00-0056 EA 13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	115.53	21.78
11 13 13 00-0057 EA 18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	151.27	21.78
11 13 13 00-0058 EA 30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	224.86	21.78
11 13 13 00-0059 EA 13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	126.22	21.78
11 13 13 00-0060 EA 24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	191.59	21.78
11 13 13 00-0061 EA 18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	190.95	21.78
11 13 13 00-0062 EA 24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper.....	290.93	21.78
<b>11 13 13 00-0063 T And L Shaped Rubber Dock Bumpers (11 13 13 00-0049)</b>		
11 13 13 00-0064 EA 22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper.....	180.88	21.78
11 13 13 00-0065 EA 18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper.....	168.55	21.78
<b>11 13 16 Loading Dock Seals and Shelters (11 13)</b>		
<b>11 13 16 13 Loading Dock Seals (11 13 16)</b>		
<b>11 13 16 13-0001 Vinyl Loading Dock Seals (11 13 16 13)</b>		
<b>11 13 16 13-0002 Standard Vinyl Loading Dock Seals (11 13 16 13-0001)</b>		
11 13 16 13-0003 LF 10" Projection, Standard, Vinyl Loading Dock Seal .....	98.02	21.78
11 13 16 13-0004 LF 11" Projection, Standard, Vinyl Loading Dock Seal .....	99.35	21.78
11 13 16 13-0005 LF 12" Projection, Standard, Vinyl Loading Dock Seal .....	100.69	21.78
11 13 16 13-0006 LF 13" Projection, Standard, Vinyl Loading Dock Seal .....	103.36	21.78
11 13 16 13-0007 LF 14" Projection, Standard, Vinyl Loading Dock Seal .....	106.02	21.78
11 13 16 13-0008 LF 15" Projection, Standard, Vinyl Loading Dock Seal .....	108.73	21.78
11 13 16 13-0009 LF 16" Projection, Standard, Vinyl Loading Dock Seal .....	111.44	21.78
11 13 16 13-0010 LF 17" Projection, Standard, Vinyl Loading Dock Seal .....	114.22	21.78
11 13 16 13-0011 LF 18" Projection, Standard, Vinyl Loading Dock Seal .....	117.00	21.78
11 13 16 13-0012 LF 19" Projection, Standard, Vinyl Loading Dock Seal .....	119.66	21.78
11 13 16 13-0013 LF 20" Projection, Standard, Vinyl Loading Dock Seal .....	122.33	21.78
11 13 16 13-0014 LF 22" Projection, Standard, Vinyl Loading Dock Seal .....	127.74	21.78
<b>11 13 16 13-0015 8" Exposure Wear Pleats, Vinyl Loading Dock Seals (11 13 16 13-0001)</b>		
11 13 16 13-0016 LF 10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	113.88	21.78
11 13 16 13-0017 LF 11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	115.22	21.78

**11 Equipment**  
**11 10 Vehicle and Pedestrian Equipment**  
**11 13 Loading Dock Equipment**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0018 LF 12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	116.55	21.78
11 13 16 13-0019 LF 13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	119.26	21.78
11 13 16 13-0020 LF 14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	121.96	21.78
11 13 16 13-0021 LF 15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	124.63	21.78
11 13 16 13-0022 LF 16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	127.30	21.78
11 13 16 13-0023 LF 17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	130.00	21.78
11 13 16 13-0024 LF 18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	132.71	21.78
11 13 16 13-0025 LF 19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	135.38	21.78
11 13 16 13-0026 LF 20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	138.12	21.78
11 13 16 13-0027 LF 22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	143.46	21.78
<b>11 13 16 13-0028 4" Exposure Wear Pleats, Vinyl Loading Dock Seals (11 13 16 13-0001)</b>		
11 13 16 13-0029 LF 10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	122.33	21.78
11 13 16 13-0030 LF 11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	123.70	21.78
11 13 16 13-0031 LF 12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	125.07	21.78
11 13 16 13-0032 LF 13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	127.74	21.78
11 13 16 13-0033 LF 14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	130.41	21.78
11 13 16 13-0034 LF 15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	133.12	21.78
11 13 16 13-0035 LF 16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	135.82	21.78
11 13 16 13-0036 LF 17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	138.49	21.78
11 13 16 13-0037 LF 18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	141.16	21.78
11 13 16 13-0038 LF 19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	143.87	21.78
11 13 16 13-0039 LF 20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	146.57	21.78
11 13 16 13-0040 LF 22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	152.06	21.78
<b>11 13 16 13-0041 Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13)</b>		
<b>11 13 16 13-0042 Standard, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)</b>		
11 13 16 13-0043 LF 10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	90.95	21.78
11 13 16 13-0044 LF 12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	93.05	21.78
11 13 16 13-0045 LF 14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	97.69	21.78
11 13 16 13-0046 LF 16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	102.26	21.78
11 13 16 13-0047 LF 18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	106.97	21.78
11 13 16 13-0048 LF 20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	111.54	21.78
11 13 16 13-0049 LF 22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	116.18	21.78
<b>11 13 16 13-0050 8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)</b>		
11 13 16 13-0051 LF 10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	105.95	21.78
11 13 16 13-0052 LF 12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	108.11	21.78
11 13 16 13-0053 LF 14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	112.75	21.78
11 13 16 13-0054 LF 16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	117.39	21.78
11 13 16 13-0055 LF 18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	121.96	21.78
11 13 16 13-0056 LF 20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	126.60	21.78
11 13 16 13-0057 LF 22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	131.17	21.78
<b>11 13 16 13-0058 4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)</b>		
11 13 16 13-0059 LF 10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	114.08	21.78
11 13 16 13-0060 LF 12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	116.18	21.78
11 13 16 13-0061 LF 14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	120.88	21.78
11 13 16 13-0062 LF 16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	125.46	21.78
11 13 16 13-0063 LF 18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	130.09	21.78
11 13 16 13-0064 LF 20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	134.67	21.78
11 13 16 13-0065 LF 22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	139.37	21.78
<b>11 13 16 23 Loading Dock Shelters (11 13 16)</b>		
<b>11 13 16 23-0001 Retractable Vinyl Loading Dock Shelter (11 13 16 23)</b>		
11 13 16 23-0002 LF Retractable Vinyl Dock Shelters, Scissor Arms.....	154.27	27.23
<b>11 13 16 23-0003 Rigid Loading Dock Shelters (11 13 16 23)</b>		
11 13 16 23-0004 LF 18" Projection, Rigid Loading Dock Shelter .....	114.68	26.14
11 13 16 23-0005 LF 24" Projection, Rigid Loading Dock Shelter .....	119.60	26.14
11 13 16 23-0006 LF 30" Projection, Rigid Loading Dock Shelter .....	124.20	27.23
11 13 16 23-0007 LF 36" Projection, Rigid Loading Dock Shelter .....	127.60	27.23
<b>11 13 19 Stationary Loading Dock Equipment (11 13)</b>		
Note: Includes all anchor bolts and fasteners.		
<b>11 13 19 13 Loading Dock Levelers (11 13 19)</b>		
<b>11 13 19 13-0001 Hydraulic Dock Levelers (11 13 19 13)</b>		
Note: Excludes control panel, remote operator, and electrical wiring.		
<b>11 13 19 13-0002 20,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>		



<b>Equipment</b>	<b>11</b>	
Vehicle and Pedestrian Equipment	11 10	11
Loading Dock Equipment	11 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0003	EA		6' x 6', 20,000 LB Hydraulic Dock Leveler.....	8,000.13	894.31
11 13 19 13-0004	EA		6' x 8', 20,000 LB Hydraulic Dock Leveler.....	8,556.95	993.67
11 13 19 13-0005	EA		6' x 10', 20,000 LB Hydraulic Dock Leveler.....	10,473.31	1,192.41
11 13 19 13-0006	EA		7' x 6', 20,000 LB Hydraulic Dock Leveler.....	8,512.51	993.67
11 13 19 13-0007	EA		7' x 8', 20,000 LB Hydraulic Dock Leveler.....	9,247.43	1,093.05
11 13 19 13-0008	EA		7' x 10', 20,000 LB Hydraulic Dock Leveler.....	11,087.61	1,291.78
<b>11 13 19 13-0009</b>			<b>25,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>		
11 13 19 13-0010	EA		6' x 6', 25,000 LB Hydraulic Dock Leveler.....	8,163.49	894.31
11 13 19 13-0011	EA		6' x 8', 25,000 LB Hydraulic Dock Leveler.....	8,725.61	993.67
11 13 19 13-0012	EA		6' x 10', 25,000 LB Hydraulic Dock Leveler.....	10,631.34	1,192.41
11 13 19 13-0013	EA		7' x 6', 25,000 LB Hydraulic Dock Leveler.....	8,671.96	993.67
11 13 19 13-0014	EA		7' x 8', 25,000 LB Hydraulic Dock Leveler.....	9,394.82	1,093.05
11 13 19 13-0015	EA		7' x 10', 25,000 LB Hydraulic Dock Leveler.....	11,397.52	1,291.78
<b>11 13 19 13-0016</b>			<b>30,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>		
11 13 19 13-0017	EA		6' x 6', 30,000 LB Hydraulic Dock Leveler.....	8,549.95	1,043.36
11 13 19 13-0018	EA		6' x 8', 30,000 LB Hydraulic Dock Leveler.....	9,095.20	1,192.41
11 13 19 13-0019	EA		6' x 10', 30,000 LB Hydraulic Dock Leveler.....	11,077.42	1,391.14
11 13 19 13-0020	EA		7' x 6', 30,000 LB Hydraulic Dock Leveler.....	9,095.20	1,192.41
11 13 19 13-0021	EA		7' x 8', 30,000 LB Hydraulic Dock Leveler.....	9,788.85	1,341.46
11 13 19 13-0022	EA		7' x 10', 30,000 LB Hydraulic Dock Leveler.....	11,771.07	1,440.83
<b>11 13 19 13-0023</b>			<b>35,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>		
11 13 19 13-0024	EA		6' x 6', 35,000 LB Hydraulic Dock Leveler.....	8,848.50	1,093.05
11 13 19 13-0025	EA		6' x 8', 35,000 LB Hydraulic Dock Leveler.....	9,395.23	1,242.10
11 13 19 13-0026	EA		6' x 10', 35,000 LB Hydraulic Dock Leveler.....	10,578.21	1,440.83
11 13 19 13-0027	EA		7' x 6', 35,000 LB Hydraulic Dock Leveler.....	9,395.23	1,242.10
11 13 19 13-0028	EA		7' x 8', 35,000 LB Hydraulic Dock Leveler.....	10,202.66	1,391.14
11 13 19 13-0029	EA		7' x 10', 35,000 LB Hydraulic Dock Leveler.....	12,228.60	1,490.52
<b>11 13 19 13-0030</b>			<b>40,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>		
11 13 19 13-0031	EA		6' x 6', 40,000 LB Hydraulic Dock Leveler.....	9,363.39	1,093.05
11 13 19 13-0032	EA		6' x 8', 40,000 LB Hydraulic Dock Leveler.....	9,909.40	1,242.10
11 13 19 13-0033	EA		6' x 10', 40,000 LB Hydraulic Dock Leveler.....	11,922.21	1,440.83
11 13 19 13-0034	EA		7' x 6', 40,000 LB Hydraulic Dock Leveler.....	9,909.40	1,242.10
11 13 19 13-0035	EA		7' x 8', 40,000 LB Hydraulic Dock Leveler.....	10,717.71	1,391.14
11 13 19 13-0036	EA		7' x 10', 40,000 LB Hydraulic Dock Leveler.....	12,743.34	1,490.52
<b>11 13 19 13-0037</b>			<b>45,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>		
11 13 19 13-0038	EA		6' x 6', 45,000 LB Hydraulic Dock Leveler.....	9,798.36	1,142.73
11 13 19 13-0039	EA		6' x 8', 45,000 LB Hydraulic Dock Leveler.....	10,353.52	1,291.78
11 13 19 13-0040	EA		6' x 10', 45,000 LB Hydraulic Dock Leveler.....	12,355.64	1,490.52
11 13 19 13-0041	EA		7' x 6', 45,000 LB Hydraulic Dock Leveler.....	10,355.03	1,291.78
11 13 19 13-0042	EA		7' x 8', 45,000 LB Hydraulic Dock Leveler.....	11,156.49	1,440.83
11 13 19 13-0043	EA		7' x 10', 45,000 LB Hydraulic Dock Leveler.....	13,168.53	1,540.20
<b>11 13 19 13-0044</b>			<b>Manual Dock Levelers (11 13 19 13)</b>		
<b>11 13 19 13-0045</b>			<b>20,000 LB Manual Dock Levelers (11 13 19 13-0044)</b>		
11 13 19 13-0046	EA		6' x 6', 20,000 LB Manual Dock Leveler.....	6,324.64	894.31
11 13 19 13-0047	EA		6' x 8', 20,000 LB Manual Dock Leveler.....	6,892.05	993.67
11 13 19 13-0048	EA		6' x 10', 20,000 LB Manual Dock Leveler.....	8,797.83	1,192.41
11 13 19 13-0049	EA		7' x 6', 20,000 LB Manual Dock Leveler.....	6,838.54	993.67
11 13 19 13-0050	EA		7' x 8', 20,000 LB Manual Dock Leveler.....	7,571.94	1,093.05
11 13 19 13-0051	EA		7' x 10', 20,000 LB Manual Dock Leveler.....	9,583.00	1,192.41
<b>11 13 19 13-0052</b>			<b>40,000 LB Manual Dock Levelers (11 13 19 13-0044)</b>		
11 13 19 13-0053	EA		6' x 6', 40,000 LB Manual Dock Leveler.....	7,836.10	993.67
11 13 19 13-0054	EA		6' x 8', 40,000 LB Manual Dock Leveler.....	8,382.10	1,093.05
11 13 19 13-0055	EA		6' x 10', 40,000 LB Manual Dock Leveler.....	9,097.48	1,291.78
11 13 19 13-0056	EA		7' x 6', 40,000 LB Manual Dock Leveler.....	8,382.10	1,093.05
11 13 19 13-0057	EA		7' x 8', 40,000 LB Manual Dock Leveler.....	9,536.70	1,192.41
11 13 19 13-0058	EA		7' x 10', 40,000 LB Manual Dock Leveler.....	11,216.05	1,391.14
<b>11 13 19 13-0059</b>			<b>Edge Of Dock Levelers (11 13 19 13)</b>		
Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.					
<b>11 13 19 13-0060</b>			<b>Hydraulic Edge Of Dock Levelers (11 13 19 13-0059)</b>		
Note: Excludes control panel, remote operator, and electrical wiring.					
11 13 19 13-0061	EA		66" Usable Width, 20,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2066).....	4,631.51	298.11
11 13 19 13-0062	EA		72" Usable Width, 20,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2072).....	4,985.94	298.11

<b>11</b>	<b>11 Equipment</b>
	<b>11 10 Vehicle and Pedestrian Equipment</b>
	<b>11 13 Loading Dock Equipment</b>



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
11 13 19 13-0063	EA	66" Usable Width, 25,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2566)	4,934.64	298.11
11 13 19 13-0064	EA	72" Usable Width, 25,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2572)	5,421.20	298.11
11 13 19 13-0065	EA	66" Usable Width, 20,000 LB Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED6620)	5,044.90	298.11
11 13 19 13-0066	EA	72" Usable Width, 20,000 LB Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED7220)	5,333.03	298.11
<b>11 13 19 13-0067 Manual Edge Of Dock Levelers (11 13 19 13-0059)</b>				
11 13 19 13-0068	EA	66" Usable Width, 20,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2066)	2,373.78	298.11
11 13 19 13-0069	EA	72" Usable Width, 20,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2072)	2,587.30	298.11
11 13 19 13-0070	EA	66" Usable Width, 25,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2566)	2,652.59	298.11
11 13 19 13-0071	EA	72" Usable Width, 25,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2572)	2,812.72	298.11
11 13 19 13-0072	EA	66" Usable Width, 25,000 LB Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP66)	2,739.84	298.11
11 13 19 13-0073	EA	72" Usable Width, 25,000 LB Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP72)	3,120.10	298.11
11 13 19 13-0074	EA	78" Usable Width, 25,000 LB Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP78)	3,399.86	298.11
11 13 19 13-0075	EA	72" Usable Width, 30,000 LB Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72)	3,440.06	298.11
11 13 19 13-0076	EA	66" Usable Width, 20,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 20EP66-R)	3,058.12	298.11
11 13 19 13-0077	EA	78" Usable Width, 30,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP78-R)	4,219.03	298.11
11 13 19 13-0078	EA	72" Usable Width, 30,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72-R)	3,969.42	298.11
<b>11 13 19 23 Stationary Loading Dock Lifts (11 13 19)</b>				
<b>11 13 19 23-0001 Top Of Ground, Fixed Platform Lifts (11 13 19 23)</b>				
11 13 19 23-0002	EA	6' x 8', 5,500 LB Top Of Ground, Fixed Platform Lift	16,806.56	219.51
<b>11 13 19 23-0003 Pit Mounted, Fixed Platform Lifts (11 13 19 23)</b>				
11 13 19 23-0004	EA	6' x 8', 5,000 LB Fixed Platform Lift, Pit Mounted	12,793.67	219.51
11 13 19 23-0005	EA	6' x 8', 8,000 LB Fixed Platform Lift, Pit Mounted	23,061.84	329.27
11 13 19 23-0006	EA	7' x 12', 15,000 LB Fixed Platform Lift, Pit Mounted	40,424.65	658.54
11 13 19 23-0007	EA	8' x 20', 15,000 LB Fixed Platform Lift, Pit Mounted	42,342.43	878.05
<b>11 13 19 26 Loading Dock Truck Lifts (11 13 19)</b>				
<b>11 13 19 26-0001 Hydraulic Truck Lifts (11 13 19 26)</b>				
11 13 19 26-0002	EA	10' x 15', 60,000 LB Platform Truck Lift	36,954.73	1,632.14
11 13 19 26-0003	EA	10' x 20', 60,000 LB Platform Truck Lift	42,233.35	1,958.57
<b>11 13 19 33 Loading Dock Truck Restraints (11 13 19)</b>				
<b>11 13 19 33-0001 Truck Restraint System (11 13 19 33)</b>				
11 13 19 33-0002	EA	Truck Restraint System (Poweramp Powerstop AAL) Note: Includes push button controls, warning lights, alarms, 30,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	8,673.11	372.62
11 13 19 33-0003	EA	Push Button Rotating Hook Trailer Restraint With Automatic Lights (Kelley Star 4) Note: Includes push button controls, warning lights, alarms, 32,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	10,025.59	372.62
<b>11 13 23 Portable Dock Equipment (11 13)</b>				
<b>11 13 23 23 Portable Dock Platforms (11 13 23)</b>				
11 13 23 23-0001	EA	6' x 6', 5,000 LB Capacity Portable Platform Lift	14,536.49	99.18
<b>11 13 26 Loading Dock Lights (11 13)</b>				
<b>11 13 26 00-0001 Communication Lights (11 13 26)</b>				
11 13 26 00-0002	EA	Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC Note: Excludes control console.	351.07	72.18
11 13 26 00-0003	EA	Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC	446.09	72.18
11 13 26 00-0004	EA	Dock Guide Light For Truck Backing	183.12	57.74
<b>11 13 26 00-0005 Communication Lights Controls (11 13 26)</b>				
11 13 26 00-0006	EA	Dock Communication Lights Control Console For Up To Two Docks	355.37	96.24
<b>11 13 26 00-0007 Loading Dock Lights (11 13 26)</b>				
<b>11 13 26 00-0008 Incandescent Loading Dock Lights (11 13 26 00-0007)</b>				
11 13 26 00-0009	EA	24" Long, Single Arm Loading Dock Light, 300W Incandescent	434.94	96.24
11 13 26 00-0010	EA	40" Long, Dual Arm Loading Dock Light, 300W Incandescent	379.40	96.24
11 13 26 00-0011	EA	60" Long, Dual Arm Loading Dock Light, 300W Incandescent	519.52	96.24
<b>11 13 26 00-0012 Metal Halide Loading Dock Lights (11 13 26 00-0007)</b>				
11 13 26 00-0013	EA	24" Long, Single Arm Loading Dock Light, 100W Metal Halide	626.93	96.24



<b>Equipment</b>	<b>11</b>	
Vehicle and Pedestrian Equipment	11 10	11
Loading Dock Equipment	11 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 26 00-0014 EA 40" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	692.76	96.24
11 13 26 00-0015 EA 60" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	745.40	96.24
<b>11 13 26 00-0016 Quartz Halogen Loading Dock Lights</b> <small>(11 13 26 00-0007)</small>		
11 13 26 00-0017 EA 24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen.....	372.00	96.24
11 13 26 00-0018 EA 40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	413.64	96.24
11 13 26 00-0019 EA 60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	449.19	96.24
<b>11 14 Pedestrian Control Equipment</b> <small>(11 10)</small>		
<b>11 14 13 Pedestrian Gates</b> <small>(11 14)</small>		
<b>11 14 13 16 Rotary Gates</b> <small>(11 14 13)</small>		
<b>11 14 13 16-0001 Access Control Indoor Or Outdoor Impenetrability</b> <small>(11 14 13 16)</small>		
<b>11 14 13 16-0002 Mechanical</b> <small>(11 14 13 16-0001)</small>		
<b>11 14 13 16-0003 Galvanized Steel</b> <small>(11 14 13 16-0002)</small>		
11 14 13 16-0004 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel.....	12,034.40	1,459.54
11 14 13 16-0005 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel.....	13,609.61	1,459.54
11 14 13 16-0006 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel.....	27,195.90	2,177.56
11 14 13 16-0007 EA One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel.....	26,327.22	2,177.56
<b>11 14 13 16-0008 Powder Coated Steel</b> <small>(11 14 13 16-0002)</small>		
11 14 13 16-0009 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	13,629.87	1,459.54
11 14 13 16-0010 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel.....	15,144.27	1,459.54
11 14 13 16-0011 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	32,150.27	2,177.56
11 14 13 16-0012 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	28,944.85	2,177.56
<b>11 14 13 16-0013 Anodized Aluminum</b> <small>(11 14 13 16-0002)</small>		
11 14 13 16-0014 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	14,321.92	1,459.54
11 14 13 16-0015 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum.....	24,922.71	1,459.54
11 14 13 16-0016 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	28,817.44	2,177.56
11 14 13 16-0017 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum.....	48,785.50	2,177.56
<b>11 14 13 16-0018 Stainless Steel</b> <small>(11 14 13 16-0002)</small>		
11 14 13 16-0019 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	22,704.68	1,459.54
11 14 13 16-0020 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel.....	25,501.83	1,459.54
11 14 13 16-0021 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	36,461.82	2,177.56
11 14 13 16-0022 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	45,554.01	2,177.56
<b>11 14 13 16-0023 Transparent</b> <small>(11 14 13 16-0002)</small>		
11 14 13 16-0024 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent.....	45,191.91	1,459.76
<b>11 14 13 16-0025 Mechanical Options</b> <small>(11 14 13 16-0001)</small>		
11 14 13 16-0026 EA Out-of-Use Lock Option, Add.....	246.13	
11 14 13 16-0027 EA Heel Protector (Each Heel Protector), Add.....	173.74	
<b>11 14 13 16-0028 Electrical, One-Way</b> <small>(11 14 13 16-0001)</small>		
<b>11 14 13 16-0029 Galvanized Steel</b> <small>(11 14 13 16-0028)</small>		
11 14 13 16-0030 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	12,732.24	1,459.54
11 14 13 16-0031 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel.....	14,310.34	1,459.54
11 14 13 16-0032 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	29,801.94	2,177.56
11 14 13 16-0033 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	27,453.61	2,177.56
11 14 13 16-0034 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel.....	29,801.94	2,177.56
<b>11 14 13 16-0035 Powder Coated Steel</b> <small>(11 14 13 16-0028)</small>		
11 14 13 16-0036 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	14,324.82	1,459.54
11 14 13 16-0037 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel.....	16,088.24	1,459.54
11 14 13 16-0038 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	39,962.60	2,177.56
11 14 13 16-0039 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	30,085.71	2,177.56
11 14 13 16-0040 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel.....	32,439.83	2,177.56
<b>11 14 13 16-0041 Anodized Aluminum</b> <small>(11 14 13 16-0028)</small>		
11 14 13 16-0042 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	14,614.38	1,459.54
11 14 13 16-0043 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	15,512.01	1,459.54
11 14 13 16-0044 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	25,791.39	1,459.54

**11 Equipment****11 10 Vehicle and Pedestrian Equipment****11 14 Pedestrian Control Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0045	EA		One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	30,412.91	2,177.56
11 14 13 16-0046	EA		One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	33,855.78	2,177.56
11 14 13 16-0047	EA		One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum .....	50,288.31	2,177.56
<b>11 14 13 16-0048</b>			<b>Stainless Steel</b> <small>(11 14 13 16-0028)</small>		
11 14 13 16-0049	EA		One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel .....	24,166.96	1,459.54
11 14 13 16-0050	EA		One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel .....	25,875.37	1,459.54
11 14 13 16-0051	EA		One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel .....	41,893.97	2,177.56
11 14 13 16-0052	EA		One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel .....	47,786.51	2,177.56
11 14 13 16-0053	EA		One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel .....	52,706.14	2,177.56
<b>11 14 13 16-0054</b>			<b>Transparent</b> <small>(11 14 13 16-0028)</small>		
11 14 13 16-0055	EA		One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms .....	41,204.67	1,459.76
11 14 13 16-0056	EA		One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms .....	43,625.39	1,459.76
11 14 13 16-0057	EA		One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels .....	44,682.29	1,459.76
11 14 13 16-0058	EA		One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms .....	73,525.50	2,177.56
11 14 13 16-0059	EA		One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms .....	78,187.42	2,177.56
<b>11 14 13 16-0060</b>			<b>Electrical, Two-Way</b> <small>(11 14 13 16-0001)</small>		
<b>11 14 13 16-0061</b>			<b>Galvanized Steel</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0062	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel .....	13,739.91	1,459.54
11 14 13 16-0063	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel .....	15,364.34	1,459.54
11 14 13 16-0064	EA		Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel .....	35,338.33	2,177.56
11 14 13 16-0065	EA		Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel .....	29,251.78	2,177.56
<b>11 14 13 16-0066</b>			<b>Powder Coated Steel</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0067	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel .....	15,207.98	1,459.54
11 14 13 16-0068	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel .....	17,072.74	1,459.54
11 14 13 16-0069	EA		Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel .....	40,837.07	2,177.56
11 14 13 16-0070	EA		Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel .....	31,898.36	2,177.56
<b>11 14 13 16-0071</b>			<b>Anodized Aluminum</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0072	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	15,607.57	1,459.54
11 14 13 16-0073	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	16,464.67	1,459.54
11 14 13 16-0074	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum .....	26,946.74	1,459.54
11 14 13 16-0075	EA		Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	32,436.94	2,177.56
11 14 13 16-0076	EA		Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum .....	52,167.56	2,177.56
<b>11 14 13 16-0077</b>			<b>Stainless Steel</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0078	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel .....	25,145.68	1,459.54
11 14 13 16-0079	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel .....	26,883.04	1,459.54
11 14 13 16-0080	EA		Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel .....	42,612.08	2,177.56
11 14 13 16-0081	EA		Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel .....	49,234.31	2,177.56
11 14 13 16-0082	EA		Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel .....	54,704.10	2,177.56
<b>11 14 13 16-0083</b>			<b>Transparent</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0084	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms .....	42,044.40	1,459.76
11 14 13 16-0085	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms .....	44,320.34	1,459.76
11 14 13 16-0086	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels .....	45,626.25	1,459.76
11 14 13 16-0087	EA		Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms .....	75,291.82	2,177.56
11 14 13 16-0088	EA		One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms .....	79,635.22	2,177.56
<b>11 14 13 16-0089</b>			<b>Electrical Options</b> <small>(11 14 13 16-0001)</small>		
11 14 13 16-0090	EA		Additional Set Of Electric Controls, Per Rotor, Add .....	964.23	
11 14 13 16-0091	EA		Indicator Lights, Set, Red/Green, Per Controlled Direction, Add .....	677.57	
11 14 13 16-0092	EA		Time-Out-Relay, Per Controlled Direction .....	222.96	
11 14 13 16-0093	EA		Pulse-Relay, Per Controlled Direction .....	222.96	
11 14 13 16-0094	EA		Pushbutton, Per Controlled Direction .....	176.63	
11 14 13 16-0095	EA		Heel Protectors, (Per Heel Protector), Add .....	173.74	
11 14 13 16-0096	EA		Card Reader Mounting Pad, Per Reader .....	159.26	
11 14 13 16-0097	EA		Hydraulic Speed Control (Per Rotor), Add .....	4,045.15	
<b>11 14 13 16-0098</b>			<b>Relocate Rotary Gate</b> <small>(11 14 13 16-0001)</small>		
11 14 13 16-0099	EA		Relocate Rotary Gate .....	4,287.36	





<b>Equipment</b>	<b>11</b>	
Vehicle and Pedestrian Equipment	11 10	11
Pedestrian Control Equipment	11 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 14 13 19 Turnstiles (11 14 13)</b>		
<b>11 14 13 19-0001 Turnstiles (11 14 13 19)</b>		
11 14 13 19-0002 EA 24" Diameter Manual Turnstile, Three Arm, Two Way.....	2,600.59	411.58
11 14 13 19-0003 EA 24" Diameter Manual Turnstile, Three Arm, Two Way With Counter.....	3,415.92	411.58
<b>11 14 16 Pedestrian Control Devices (11 14)</b>		
<b>11 14 16 00-0001 Retractable Barrier (11 14 16)</b>		
11 14 16 00-0002 EA Wall Mounted, Retractable Belt Barrier With Receiver; 6-1/2' (WG269387BK).....	89.75	17.85
11 14 16 00-0003 EA Wall Mounted, Retractable Belt Barrier With Receiver; 10' (WGB2093791).....	166.59	17.85
11 14 16 00-0004 EA Wall Mounted, Retractable Belt Barrier With Receiver; 15' (WGB2093770).....	205.01	17.85
11 14 16 00-0005 EA Wall Mounted, Retractable Belt Barrier With Receiver; 30' (WGB2093771).....	339.49	17.85
<b>11 20 Commercial Equipment (11)</b>		
<b>11 21 Retail and Service Equipment (11 20)</b>		
<b>11 21 63 Refrigerated Display Equipment (11 21)</b>		
<b>11 21 63 00-0001 Dairy Products (11 21 63)</b>		
<b>11 21 63 00-0002 Refrigerated Dairy Case (11 21 63 00-0001)</b>		
11 21 63 00-0003 LF Refrigerated Case, Dairy, Multi-Deck..... <i>For Rear Sliding Doors, Add</i>	2,281.02 19.95	314.24
<b>11 21 63 00-0004 Refrigerated Milk Unit (11 21 63 00-0001)</b>		
11 21 63 00-0005 EA 46" x 32" x 49-1/2" Capacity; 12, 13" x 13" x 11" Refrigerated Milk Unit.....	12,847.70	227.94
<b>11 21 63 00-0006 Refrigerated Ice Cream And Milk Dispenser (11 21 63 00-0001)</b>		
11 21 63 00-0007 EA 63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser.....	14,246.59	250.32
<b>11 21 63 00-0008 Ice Cream Dispenser (11 21 63 00-0001)</b>		
11 21 63 00-0009 EA 46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser.....	11,897.62	210.77
<b>11 21 63 00-0010 Drop-In Ice Cream Freezer (11 21 63 00-0001)</b>		
11 21 63 00-0011 EA 27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer.....	2,967.02	52.45
11 21 63 00-0012 EA 30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer.....	3,877.24	68.59
<b>11 21 63 00-0013 Ice Cream Cabinets (11 21 63 00-0001)</b>		
11 21 63 00-0014 EA 46" x 32" x 42", 24 Gallon Ice Cream Cabinet.....	9,293.55	163.93
11 21 63 00-0015 EA 68" x 32" x 42", 48 Gallon Ice Cream Cabinet.....	13,235.39	236.57
<b>11 21 63 00-0016 Delicatessen Case, Service Deli (11 21 63)</b>		
11 21 63 00-0017 LF Delicatessen Case, Single-Deck.....	2,360.93	261.86
11 21 63 00-0018 LF Delicatessen Case, Multi-Deck.....	2,580.94	314.24
11 21 63 00-0019 EA Delicatessen Case, 3 Shelf, 32" x 23" x 23".....	3,427.22	76.79
<b>11 21 63 00-0020 Meat Case (11 21 63)</b>		
11 21 63 00-0021 LF Meat Case, Single - Deck.....	1,596.64	314.24
11 21 63 00-0022 LF Meat Case, Multi - Deck.....	1,737.36	314.24
<b>11 21 63 00-0023 Produce Case (11 21 63)</b>		
11 21 63 00-0024 LF Single Deck Produce Case.....	1,679.80	314.24
11 21 63 00-0025 LF Multi-Deck Produce Case.....	1,870.04	314.24
<b>11 21 63 00-0026 Bottle Coolers (11 21 63)</b>		
11 21 63 00-0027 EA Bottle Cooler, 6' Long.....	6,405.10	1,047.44
11 21 63 00-0028 EA Bottle Cooler, 10' Long.....	9,461.91	1,571.16
<b>11 21 63 00-0029 Cold Pan Units (11 21 63)</b>		
11 21 63 00-0030 EA 5" x 48", Iced, Cold Pan Units.....	4,756.83	83.47
11 21 63 00-0031 EA 5" x 72", Iced, Cold Pan Units.....	6,607.93	116.77
11 21 63 00-0032 EA 8" x 72", Iced, Cold Pan Units.....	7,813.19	138.12
11 21 63 00-0033 EA 5" x 48", Mechanical, Cold Pan Units.....	8,031.27	142.70

<b>11</b>	<b>11 Equipment</b>
	<b>11 20 Commercial Equipment</b>
	<b>11 21 Retail and Service Equipment</b>



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
11 21 63 00-0034	EA	8" x 48", Mechanical, Cold Pan Units.....	8,742.52		154.04
11 21 63 00-0035	EA	8" x 72", Mechanical, Cold Pan Units.....	10,388.96		182.04
<b>11 21 63 00-0036</b>		<b>Cold Cabinets (Insulated) <sup>(11 21 63)</sup></b>			
11 21 63 00-0037	EA	69-3/4" x 32" x 24", Insulated Cold Cabinet.....	4,322.83		72.23
<b>11 22</b>		<b>Banking Equipment <sup>(11 20)</sup></b>			
<b>11 22 13</b>		<b>Vault Equipment <sup>(11 22)</sup></b>			
<b>11 22 13 16</b>		<b>Safes <sup>(11 22 13)</sup></b>			
<b>11 22 13 16-0001</b>		<b>In Room Safes <sup>(11 22 13 16)</sup></b>			
11 22 13 16-0002	EA	8-1/8" x 7-3/16" x 10-3/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 25) .....	788.93		10.89
11 22 13 16-0003	EA	8-1/8" x 7-3/16" x 16-5/8" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 41) .....	738.15		10.89
11 22 13 16-0004	EA	8-1/8" x 7-3/16" x 19-13/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 49) .....	768.62		10.89
11 22 13 16-0005	EA	8-1/8" x 7-3/16" x 10-3/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 25) .....	860.02		10.89
		Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.			
11 22 13 16-0006	EA	8-1/8" x 7-3/16" x 16-5/8" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 41) .....	890.49		10.89
		Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.			
11 22 13 16-0007	EA	8-1/8" x 7-3/16" x 19-13/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 49).....	920.96		10.89
		Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.			
11 22 13 16-0008	EA	7-5/8" x 14" x 10-11/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 27).....	584.37		13.62
		Note: Includes security wire.			
11 22 13 16-0009	EA	7-5/8" x 14" x 17-1/2" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 43) .....	604.69		13.62
		Note: Includes security wire.			
11 22 13 16-0010	EA	7-5/8" x 14" x 20-3/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 50) .....	625.00		13.62
		Note: Includes security wire.			
<b>11 28</b>		<b>Office Equipment <sup>(11 20)</sup></b>			
<b>11 28 13</b>		<b>Computers <sup>(11 28)</sup></b>			
<b>11 28 13 00-0001</b>		<b>Accessories <sup>(11 28 13)</sup></b>			
11 28 13 00-0002	EA	32" Wall Track, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KN-020) .....	1,098.25		48.02
11 28 13 00-0003	EA	32" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KU-020).....	1,352.20		52.83
11 28 13 00-0004	EA	32" Wall Track, eDesk, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EN-020).....	1,768.37		57.62
11 28 13 00-0005	EA	32" Wall Track, eDesk, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EU-020) .....	1,912.29		62.42
11 28 13 00-0006	EA	32" Wall Track, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KN-020).....	1,407.47		52.83
11 28 13 00-0007	EA	32" Wall Track, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KU-020).....	1,469.99		52.83
11 28 13 00-0008	EA	32" Wall Track, eDesk, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EN-020).....	2,087.20		67.23
11 28 13 00-0009	EA	32" Wall Track, eDesk, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EU-020) .....	2,221.52		67.23
11 28 13 00-0010	EA	25" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (Ergotron 45-271-026) .....	1,164.98		52.83
11 28 13 00-0011	EA	37" To 61" Universal Tilt Flat Monitor Wall Mount (Premier Mounts CTM-MS2) .....	305.24		52.83
11 28 13 00-0012	EA	32" To 56" Universal Tilt Flat Monitor Wall Mount (Peerless ST650P).....	211.84		52.83
<b>11 30</b>		<b>Residential Equipment <sup>(11)</sup></b>			
<b>11 30 13</b>		<b>Residential Appliances <sup>(11 30)</sup></b>			
<b>11 30 13 13</b>		<b>Residential Kitchen Appliances <sup>(11 30 13)</sup></b>			
		Note: Includes standard colors. Excludes stainless steel.			
<b>11 30 13 13-0001</b>		<b>Ranges With Ovens <sup>(11 30 13 13)</sup></b>			
		Note: Free standing or slide in.			
<b>11 30 13 13-0002</b>		<b>Electric Ranges With Ovens <sup>(11 30 13 13-0001)</sup></b>			
11 30 13 13-0003	EA	20" Electric Range With Oven.....	864.66		79.34
		For Stainless Steel, Add	176.49		
11 30 13 13-0004	EA	24" Electric Range With Oven.....	905.11		79.34
		For Stainless Steel, Add	186.60		
11 30 13 13-0005	EA	30" Electric Range With Oven.....	886.44		79.34
		For Stainless Steel, Add	201.78		
11 30 13 13-0006	EA	30" Free-Standing Electric Range With Oven (Hotpoint® RB525DHWW).....	932.53		79.34
<b>11 30 13 13-0007</b>		<b>Gas Ranges With Ovens <sup>(11 30 13 13-0001)</sup></b>			
11 30 13 13-0008	EA	20" Gas Range With Oven.....	965.80		79.34
		For Stainless Steel, Add	201.78		
11 30 13 13-0009	EA	24" Gas Range With Oven.....	1,018.39		79.34
		For Stainless Steel, Add	214.92		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0010 EA 30" Gas Range With Oven..... <i>For Stainless Steel, Add</i>	1,066.94 227.06	79.34
<b>11 30 13 13-0011 Range Hoods</b> <small>(11 30 13 13)</small>		
<b>11 30 13 13-0012 Venting Range Hoods</b> <small>(11 30 13 13-0011)</small>		
11 30 13 13-0013 EA 21" Venting Range Hood (Broan 40000) ..... <i>For Stainless Steel, Add</i>	278.19 23.88	59.51
11 30 13 13-0014 EA 24" Venting Range Hood (Broan 40000) ..... <i>For Stainless Steel, Add</i>	254.55 20.33	59.51
11 30 13 13-0015 EA 30" Venting Range Hood (Broan 40000) ..... <i>For Stainless Steel, Add</i>	250.40 19.71	59.51
11 30 13 13-0016 EA 36" Venting Range Hood (Broan 40000) ..... <i>For Stainless Steel, Add</i>	254.55 20.33	59.51
<b>11 30 13 13-0017 Non-Ducted Range Hoods</b> <small>(11 30 13 13-0011)</small>		
11 30 13 13-0018 EA 21" Non Ducted Range Hood (Broan 41000)..... <i>For Stainless Steel, Add</i>	281.25 24.33	59.51
11 30 13 13-0019 EA 24" Non Ducted Range Hood (Broan 41000)..... <i>For Stainless Steel, Add</i>	257.68 20.80	59.51
11 30 13 13-0020 EA 30" Non Ducted Range Hood (Broan 41000)..... <i>For Stainless Steel, Add</i>	253.52 20.18	59.51
11 30 13 13-0021 EA 36" Non Ducted Range Hood (Broan 41000)..... <i>For Stainless Steel, Add</i>	257.68 20.80	59.51
<b>11 30 13 13-0022 Microwaves</b> <small>(11 30 13 13)</small>		
<b>11 30 13 13-0023 Countertop Microwaves</b> <small>(11 30 13 13-0022)</small>		
11 30 13 13-0024 EA 1.1 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	185.71 24.88	9.92
11 30 13 13-0025 EA 1.2 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	222.10 30.34	9.92
11 30 13 13-0026 EA 1.3 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	228.17 31.25	9.92
11 30 13 13-0027 EA 1.4 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	280.78 39.14	9.92
11 30 13 13-0028 EA 1.5 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	301.01 42.18	9.92
11 30 13 13-0029 EA 1.6 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	321.24 45.21	9.92
11 30 13 13-0030 EA 1.7 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	341.47 48.24	9.92
11 30 13 13-0031 EA 1.8 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	361.69 51.28	9.92
11 30 13 13-0032 EA 2.0 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	383.92 54.61	9.92
<b>11 30 13 13-0033 Over-The-Range Microwaves</b> <small>(11 30 13 13-0022)</small>		
11 30 13 13-0034 EA 1.5 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	636.01 77.55	79.33
11 30 13 13-0035 EA 1.6 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	723.82 90.72	79.33
11 30 13 13-0036 EA 1.7 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	752.12 94.97	79.33
11 30 13 13-0037 EA 1.8 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	964.51 126.83	79.33
11 30 13 13-0038 EA 2.0 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	764.27 96.79	79.33
11 30 13 13-0039 EA 1.6 CF Over-the-Range Microwave (Hotpoint® RVM5160DHWW).....	465.57	59.50
<b>11 30 13 13-0040 Trash Compactors</b> <small>(11 30 13 13)</small>		
11 30 13 13-0041 EA 15" Built-In Trash Compactor, 4 To 1 Compaction ..... <i>For Stainless Steel, Add</i>	1,471.50 236.30	79.34
<b>11 30 13 13-0042 Refrigerators</b> <small>(11 30 13 13)</small>		
<b>11 30 13 13-0043 Top Freezer Refrigerators</b> <small>(11 30 13 13-0042)</small>		
11 30 13 13-0044 EA Up To 10 CF Top Freezer Refrigerator ..... <i>For Stainless Steel, Add</i>	726.62 97.09	39.68
11 30 13 13-0045 EA >10 To 12 CF Top Freezer Refrigerator ..... <i>For Stainless Steel, Add</i>	886.44 121.07	39.68
11 30 13 13-0046 EA >12 To 14 CF Top Freezer Refrigerator ..... <i>For Stainless Steel, Add</i>	989.58 136.54	39.68
11 30 13 13-0047 EA >14 To 16 CF Top Freezer Refrigerator ..... <i>For Stainless Steel, Add</i>	1,050.26 145.64	39.68
11 30 13 13-0048 EA >16 To 18 CF Top Freezer Refrigerator ..... <i>For Stainless Steel, Add</i>	1,212.09 169.91	39.68

<b>11</b>	<b>Equipment</b>
<b>11 30</b>	<b>Residential Equipment</b>
<b>11 30 13</b>	<b>Residential Appliances</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0049	EA		>18 To 20 CF Top Freezer Refrigerator.....	1,351.68	39.68
			<i>For Stainless Steel, Add</i>	190.85	
11 30 13 13-0050	EA		>20 To 22 CF Top Freezer Refrigerator.....	1,454.82	39.68
			<i>For Stainless Steel, Add</i>	206.32	
11 30 13 13-0051	EA		14.6 CF, Top-Freezer Refrigerator (Hotpoint® ENERGY STAR® HPE15BTHWW).....	1,269.42	39.68
<b>11 30 13 13-0052</b>			<b>Side-By-Side Refrigerators</b> <small>(11 30 13 13-0042)</small>		
11 30 13 13-0053	EA		Up To 22 CF Side-By-Side Refrigerator.....	1,495.06	39.68
			<i>For Stainless Steel, Add</i>	212.36	
11 30 13 13-0054	EA		>22 To 24 CF Side-By-Side Refrigerator.....	1,859.38	39.68
			<i>For Stainless Steel, Add</i>	267.01	
11 30 13 13-0055	EA		>24 To 26 CF Side-By-Side Refrigerator.....	2,102.12	39.68
			<i>For Stainless Steel, Add</i>	303.42	
<b>11 30 13 13-0056</b>			<b>Other Refrigerators</b> <small>(11 30 13 13-0042)</small>		
11 30 13 13-0057	EA		1.7 CF Dormitory Sized Refrigerator.....	238.12	19.84
			<i>For Stainless Steel, Add</i>	29.77	
11 30 13 13-0058	EA		4.4 CF Dormitory Sized Refrigerator.....	329.14	19.84
			<i>For Stainless Steel, Add</i>	43.42	
<b>11 30 13 13-0059</b>			<b>Freezers</b> <small>(11 30 13 13)</small>		
<b>11 30 13 13-0060</b>			<b>Upright Freezers</b> <small>(11 30 13 13-0059)</small>		
11 30 13 13-0061	EA		Up To 10 CF Upright Freezer.....	684.16	39.68
			<i>For Stainless Steel, Add</i>	90.72	
11 30 13 13-0062	EA		>10 To 12 CF Upright Freezer.....	886.44	39.68
			<i>For Stainless Steel, Add</i>	121.07	
11 30 13 13-0063	EA		>12 To 14 CF Upright Freezer.....	947.12	39.68
			<i>For Stainless Steel, Add</i>	130.17	
11 30 13 13-0064	EA		>14 To 16 CF Upright Freezer.....	1,088.72	39.68
			<i>For Stainless Steel, Add</i>	151.41	
11 30 13 13-0065	EA		>16 To 18 CF Upright Freezer.....	1,252.54	39.68
			<i>For Stainless Steel, Add</i>	175.98	
11 30 13 13-0066	EA		>18 To 20 CF Upright Freezer.....	1,333.48	39.68
			<i>For Stainless Steel, Add</i>	188.12	
11 30 13 13-0067	EA		>20 To 22 CF Upright Freezer.....	1,394.14	39.68
			<i>For Stainless Steel, Add</i>	197.22	
<b>11 30 13 13-0068</b>			<b>Chest Freezers</b> <small>(11 30 13 13-0059)</small>		
11 30 13 13-0069	EA		Up To 8 CF Chest Freezer.....	544.56	39.68
			<i>For Stainless Steel, Add</i>	69.78	
11 30 13 13-0070	EA		>8 To 10 CF Chest Freezer.....	686.16	39.68
			<i>For Stainless Steel, Add</i>	91.02	
11 30 13 13-0071	EA		>10 To 12 CF Chest Freezer.....	736.75	39.68
			<i>For Stainless Steel, Add</i>	98.61	
11 30 13 13-0072	EA		>12 To 14 CF Chest Freezer.....	827.76	39.68
			<i>For Stainless Steel, Add</i>	112.26	
11 30 13 13-0073	EA		>14 To 16 CF Chest Freezer.....	886.44	39.68
			<i>For Stainless Steel, Add</i>	121.07	
11 30 13 13-0074	EA		>16 To 18 CF Chest Freezer.....	1,088.72	39.68
			<i>For Stainless Steel, Add</i>	151.41	
11 30 13 13-0075	EA		>18 To 20 CF Chest Freezer.....	1,351.68	39.68
			<i>For Stainless Steel, Add</i>	190.85	
11 30 13 13-0076	EA		>20 To 22 CF Chest Freezer.....	1,394.14	39.68
			<i>For Stainless Steel, Add</i>	197.22	
<b>11 30 13 13-0077</b>			<b>Automatic Ice Makers</b> <small>(11 30 13 13)</small>		
11 30 13 13-0078	EA		15" Wide, 50 LB Per Day, Automatic Ice Maker.....	2,582.01	79.34
11 30 13 13-0079	EA		18" Wide, 50 LB Per Day, Automatic Ice Maker.....	2,885.43	79.34
<b>11 30 13 13-0080</b>			<b>Built-In Dishwashers</b> <small>(11 30 13 13)</small>		
11 30 13 13-0081	EA		18" Built-In Dishwasher.....	1,230.76	79.34
			<i>For Stainless Steel, Add</i>	160.81	
11 30 13 13-0082	EA		24" Built-In Dishwasher.....	805.98	79.34
			<i>For Stainless Steel, Add</i>	97.09	
<b>11 30 13 13-0083</b>			<b>Disposals</b> <small>(11 30 13 13)</small>		
11 30 13 13-0084	EA		1/3 HP Insulated Garbage Disposal (GE GFC320V).....	258.59	59.51
11 30 13 13-0085	EA		1/2 HP Insulated Garbage Disposal (GE GFC520V).....	299.05	59.51
11 30 13 13-0086	EA		3/4 HP Insulated Garbage Disposal (GE GFC720V).....	400.19	59.51
11 30 13 13-0087	EA		1 HP Insulated Garbage Disposal (GE GFC1020V).....	501.33	59.51
<b>11 30 13 13-0088</b>			<b>Removal And Reinstallation Of Kitchen Equipment</b> <small>(11 30 13 13)</small>		
			Note: Includes storage, cleaning and final connections.		



<b>Equipment</b>	<b>11</b>	
Residential Equipment	11 30	11
Residential Appliances	11 30 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0089 EA Removal And Reinstallation Of Garbage Disposal .....	119.02	
11 30 13 13-0090 EA Removal And Reinstallation Of Stove/Range .....	238.04	
11 30 13 13-0091 EA Removal And Reinstallation Of Dishwasher .....	253.92	
11 30 13 13-0092 EA Removal And Reinstallation Of Range Hood .....	119.02	
11 30 13 13-0093 EA Removal And Reinstallation Of Washer And Dryer.....	198.37	
<b>11 30 13 13-0094 Appliance Repair (11 30 13 13)</b>		
Note: Includes removal.		
11 30 13 13-0095 EA 8" Burner Replacement.....	28.35	
11 30 13 13-0096 EA 4" Burner Element Replacement.....	51.65	
11 30 13 13-0097 EA 8" Burner Element Replacement.....	59.26	
11 30 13 13-0098 EA Burner Manifold Replacement .....	189.92	
11 30 13 13-0099 EA Burner Switch Replacement .....	81.13	
11 30 13 13-0100 EA Burner Tube, 5/8" x 4" Replacement .....	35.70	
11 30 13 13-0101 EA Oven Control Replacement.....	99.19	
11 30 13 13-0102 EA Oven Door Gasket Replacement.....	37.12	
11 30 13 13-0103 EA Oven Element Replacement .....	93.68	
11 30 13 13-0104 EA Oven Igniter Replacement .....	67.85	
11 30 13 13-0105 EA Oven Knobs Replacement.....	52.38	
<b>11 30 13 13-0106 Accessories (11 30 13 13)</b>		
11 30 13 13-0107 SF Colored Metal Range Splash Plate.....	18.06	3.17
11 30 13 13-0108 SF Stainless Steel Range Splash Plate .....	27.48	3.17
<b>11 30 13 13-0109 Automatic Water Softener (11 30 13 13)</b>		
11 30 13 13-0110 EA 30,000 Grain Capacity, Water Softener (Whirlpool WHES30) .....	1,275.53	192.84
11 30 13 13-0111 EA 40,000 Grain Capacity, Water Softener (Whirlpool WHES40) .....	1,524.01	192.84
<b>11 30 13 23 Residential Laundry Appliances (11 30 13)</b>		
<b>11 30 13 23-0001 Washing Machines And Dryers (11 30 13 23)</b>		
<b>11 30 13 23-0002 Washing Machines (11 30 13 23-0001)</b>		
11 30 13 23-0003 EA Up To 3.5 CF, Top Load Washing Machine.....	948.35	79.34
11 30 13 23-0004 EA >3.5 To 4 CF, Top Load Washing Machine .....	1,534.96	79.34
11 30 13 23-0005 EA >4 To 5 CF, Top Load Washing Machine .....	2,040.66	79.34
<b>11 30 13 23-0006 Dryers (11 30 13 23-0001)</b>		
<b>11 30 13 23-0007 Electric Dryers (11 30 13 23-0006)</b>		
11 30 13 23-0008 EA Up To 6 CF, Electric Dryer .....	723.84	79.34
11 30 13 23-0009 EA >6 To 6.5 CF, Electric Dryer .....	928.12	79.34
11 30 13 23-0010 EA >6.5 To 7 CF, Electric Dryer .....	1,150.63	79.34
11 30 13 23-0011 EA >7 To 7.5 CF, Electric Dryer .....	1,312.45	79.34
<b>11 30 13 23-0012 Gas Dryers (11 30 13 23-0006)</b>		
11 30 13 23-0013 EA Up To 6 CF, Gas Dryer.....	867.44	79.34
11 30 13 23-0014 EA >6 To 6.5 CF, Gas Dryer .....	1,069.72	79.34
11 30 13 23-0015 EA >6.5 To 7 CF, Gas Dryer .....	1,271.77	79.34
11 30 13 23-0016 EA >7 To 7.5 CF, Gas Dryer .....	1,454.05	79.34
<b>11 30 33 Retractable Stairs (11 30)</b>		
<b>11 30 33 00-0001 Disappearing Folding Access Stairs (11 30 33)</b>		
<b>11 30 33 00-0002 250 LB Capacity, Wood Folding Access Stairs (11 30 33 00-0001)</b>		
11 30 33 00-0003 EA 22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity .....	675.64	217.95
11 30 33 00-0004 EA 22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity .....	687.17	217.95
11 30 33 00-0005 EA 25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity .....	687.17	217.95
11 30 33 00-0006 EA 25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity .....	698.41	217.95
<b>11 30 33 00-0007 350 LB Capacity, Wood Folding Access Stairs (11 30 33 00-0001)</b>		
11 30 33 00-0008 EA 22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity .....	780.86	217.95
11 30 33 00-0009 EA 22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity .....	804.16	217.95
11 30 33 00-0010 EA 25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity .....	794.58	217.95
11 30 33 00-0011 EA 25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity .....	816.84	217.95
11 30 33 00-0012 EA 30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	807.89	217.95
11 30 33 00-0013 EA 30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity .....	846.37	217.95
<b>11 30 33 00-0014 300 LB Capacity, Aluminum Folding Access Stairs (11 30 33 00-0001)</b>		
11 30 33 00-0015 EA 22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	756.51	217.95
11 30 33 00-0016 EA 22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	786.35	217.95

11	<b>11 Equipment</b>
	<b>11 30 Residential Equipment</b>
	<b>11 30 33 Retractable Stairs</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 33 00-0017 EA 25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	764.82	217.95
11 30 33 00-0018 EA 25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	794.64	217.95
11 30 33 00-0019 EA 25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	960.73	217.95
<b>11 30 33 00-0020 300 LB Capacity, Steel Folding Access Stairs</b> <small>(11 30 33 00-0001)</small>		
11 30 33 00-0021 EA 22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity.....	769.85	217.95
11 30 33 00-0022 EA 22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity.....	805.31	217.95
<b>11 32 Unit Kitchens</b> <small>(11 30)</small>		
<b>11 32 13 Metal Unit Kitchens</b> <small>(11 32)</small>		
Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.		
<b>11 32 13 00-0001 30" Compact Kitchen</b> <small>(11 32 13)</small>		
11 32 13 00-0002 EA 30" Compact Unit Kitchen With Refrigerator, Range And Sink.....	2,234.42	523.49
<i>For Gas Unit, Add</i>	230.47	
11 32 13 00-0003 EA 30" Compact Unit Kitchen With Refrigerator And Sink.....	1,880.87	366.44
11 32 13 00-0004 EA 30" Compact Unit Kitchen With Refrigerator And Range.....	1,715.74	314.10
11 32 13 00-0005 EA 30" Compact Unit Kitchen Cabinet For Upper Wall Section.....	568.46	163.39
<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0006 EA 30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,119.46	217.85
<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0007 EA 30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	69.38	15.87
11 32 13 00-0008 EA 30" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	62.69	15.87
<b>11 32 13 00-0009 42" Compact Kitchen</b> <small>(11 32 13)</small>		
11 32 13 00-0010 EA 42" Compact Unit Kitchen With Refrigerator, Range And Sink.....	2,593.69	575.84
<i>For Gas Unit, Add</i>	273.89	
11 32 13 00-0011 EA 42" Compact Unit Kitchen With Refrigerator And Sink.....	2,327.91	471.13
11 32 13 00-0012 EA 42" Compact Unit Kitchen Cabinet For Upper Wall Section.....	712.73	185.18
<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0013 EA 42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,295.77	245.08
<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0014 EA 42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	82.95	15.87
11 32 13 00-0015 EA 42" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	69.77	15.87
<b>11 32 13 00-0016 54" Compact Kitchen</b> <small>(11 32 13)</small>		
11 32 13 00-0017 EA 54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink.....	3,499.90	732.89
<i>For Gas Unit, Add</i>	378.41	
11 32 13 00-0018 EA 54" Compact Unit Kitchen Cabinet For Upper Wall Section.....	878.79	108.92
<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0019 EA 54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,440.86	272.32
<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0020 EA 54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	96.31	15.87
11 32 13 00-0021 EA 54" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	72.77	15.87
<b>11 32 13 00-0022 60" Compact Kitchen</b> <small>(11 32 13)</small>		
11 32 13 00-0023 EA 60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink.....	3,685.16	785.23
<i>For Gas Unit, Add</i>	395.73	
11 32 13 00-0024 EA 60" Compact Unit Kitchen Cabinet For Upper Wall Section.....	1,048.13	272.32
<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0025 EA 60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	101.95	15.87
11 32 13 00-0026 EA 60" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	72.77	15.87
<b>11 32 13 00-0027 72" Compact Kitchen</b> <small>(11 32 13)</small>		
11 32 13 00-0028 EA 72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink.....	3,950.97	837.58
<i>For Gas Unit, Add</i>	425.13	
11 32 13 00-0029 EA 72" Compact Unit Kitchen Cabinet For Upper Wall Section.....	1,277.90	326.78
<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0030 EA 72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	118.74	19.84
11 32 13 00-0031 EA 72" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	76.38	19.84
<b>11 40 Foodservice Equipment</b> <small>(11)</small>		
<b>11 41 Foodservice Storage Equipment</b> <small>(11 40)</small>		
<b>11 41 13 Refrigerated Food Storage Cases</b> <small>(11 41)</small>		
<b>11 41 13 00-0001 Frozen Food Cases</b> <small>(11 41 13)</small>		
11 41 13 00-0002 LF Chest Type Frozen Food Case.....	1,665.11	314.24
11 41 13 00-0003 LF Reach-in Frozen Food Case (Glass Door).....	3,507.91	314.24
11 41 13 00-0004 LF Island Type Frozen Food Case.....	1,994.97	314.24
11 41 13 00-0005 LF Multi-Deck Frozen Food Case.....	3,348.27	314.24



<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 13 00-0006	<b>Reach-In Refrigeration</b> <small>(11 41 13)</small>		
11 41 13 00-0007	<b>Reach-In Refrigerators</b> <small>(11 41 13 00-0006)</small>		
11 41 13 00-0008	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	5,805.92
11 41 13 00-0009	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	7,148.51
11 41 13 00-0010	EA	Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	9,580.35
11 41 13 00-0011	EA	Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	5,665.60
11 41 13 00-0012	EA	Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	7,375.01
11 41 13 00-0013	EA	Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	9,837.56
11 41 13 00-0014	EA	Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	6,994.70
11 41 13 00-0015	EA	Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	9,471.11
11 41 13 00-0016	EA	Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator.....	7,727.41
11 41 13 00-0017	EA	Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator.....	11,152.57

11 41 13 00-0018	<b>Reach-In Freezers</b> <small>(11 41 13 00-0006)</small>		
11 41 13 00-0019	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer.....	6,542.98
11 41 13 00-0020	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer.....	8,682.94

**11 41 23 Walk-In-Coolers** (11 41)

11 41 23 00-0001	<b>Walk-In Refrigerated Boxes</b> <small>(11 41 23)</small>		
Note: Overall height includes 4" floor panel and 4" ceiling panel. See CSI section 11 41 23 00-0171 for air cooled condensing units for coolers and freezers, 11 41 23 00-0282 for accessories, 21 13 16 00-0000 for dry-pipe sprinkler heads, 26 50 00 00-0000 for lighting.			

11 41 23 00-0002	<b>Walk-In Refrigerated Unit, 7'6" High With Floor</b> <small>(11 41 23 00-0001)</small>		
Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.			
11 41 23 00-0003	EA	6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	7,607.94
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,462.88
11 41 23 00-0004	EA	6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,047.49
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,767.97
11 41 23 00-0005	EA	6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,618.06
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,855.74
11 41 23 00-0006	EA	6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,930.21
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,074.37
11 41 23 00-0007	EA	6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,620.87
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,387.33
11 41 23 00-0008	EA	6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,993.45
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,620.16
11 41 23 00-0009	EA	6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,343.16
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,847.98
11 41 23 00-0010	EA	8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,976.49
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,945.34
11 41 23 00-0011	EA	8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,922.73
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,127.19
11 41 23 00-0012	EA	8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,355.91
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,375.25
11 41 23 00-0013	EA	8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,194.80
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,725.53
11 41 23 00-0014	EA	8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,647.88
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,979.37
11 41 23 00-0015	EA	8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,144.28
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,243.20
11 41 23 00-0016	EA	8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,595.48
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,497.04
11 41 23 00-0017	EA	8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,088.37
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,759.56
11 41 23 00-0018	EA	8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,546.67
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,014.72

11 41 23 00-0019	<b>Walk-In Refrigerated Unit, 7'6" High With Floor</b> <small>(11 41 23 00-0001)</small>		
Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.			

**11 Equipment****11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0020	EA		10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,345.01	1,975.62
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,428.07	
11 41 23 00-0021	EA		10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,895.87	2,304.88
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,706.08	
11 41 23 00-0022	EA		10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,509.15	2,634.15
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,999.08	
11 41 23 00-0023	EA		10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,039.65	2,963.42
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,272.11	
11 41 23 00-0024	EA		10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,672.00	3,292.69
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,571.41	
11 41 23 00-0025	EA		10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,205.19	3,621.96
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,843.12	
11 41 23 00-0026	EA		10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,841.50	3,951.23
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,144.00	
11 41 23 00-0027	EA		10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,365.07	4,280.49
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,415.45	
11 41 23 00-0028	EA		10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,002.09	4,609.77
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,714.76	
11 41 23 00-0029	EA		10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,536.50	4,939.03
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,987.78	
11 41 23 00-0030	EA		10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,391.37	5,432.93
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,287.35	
11 41 23 00-0031	EA		10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,125.01	5,926.84
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,558.80	
11 41 23 00-0032	EA		12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,314.24	2,469.52
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,005.39	
11 41 23 00-0033	EA		12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,082.64	2,798.78
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,338.06	
11 41 23 00-0034	EA		12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,720.94	3,128.06
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,637.37	
11 41 23 00-0035	EA		12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,481.17	3,457.33
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,968.47	
11 41 23 00-0036	EA		12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,127.52	3,786.59
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,269.35	
11 41 23 00-0037	EA		12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,888.54	4,115.86
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,600.18	
11 41 23 00-0038	EA		12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,520.05	4,445.13
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,899.49	
11 41 23 00-0039	EA		12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,293.39	4,774.40
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,232.16	
11 41 23 00-0040	EA		12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,043.28	5,185.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,531.47	
11 41 23 00-0041	EA		12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,025.46	5,679.89
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,862.57	
11 41 23 00-0042	EA		12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,885.52	6,173.79
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,163.45	
11 41 23 00-0043	EA		12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,860.29	6,667.69
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,494.28	
11 41 23 00-0044	EA		12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,709.16	7,161.60
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,793.59	
11 41 23 00-0045			<b>Walk-In Refrigerated Unit, 7'6" High With Floor</b> <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0046	EA		14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,058.44	2,963.42
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,026.80	





<b>Equipment</b>	<b>11</b>
Foodservice Equipment	11 40
Foodservice Storage Equipment	11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0047	EA		14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,012.42	3,292.69
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,406.52	
11 41 23 00-0048	EA		14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,119.53	3,621.96
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,821.71	
11 41 23 00-0049	EA		14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,072.22	3,951.23
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,201.68	
11 41 23 00-0050	EA		14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,164.44	4,280.49
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,615.29	
11 41 23 00-0051	EA		14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,130.45	4,609.77
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,996.85	
11 41 23 00-0052	EA		14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,227.21	4,939.03
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,410.46	
11 41 23 00-0053	EA		14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,403.72	5,432.93
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,790.43	
11 41 23 00-0054	EA		14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,712.32	5,926.84
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,205.62	
11 41 23 00-0055	EA		14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,916.05	6,420.74
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,585.34	
11 41 23 00-0056	EA		14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,211.46	6,914.65
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,999.21	
11 41 23 00-0057	EA		14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	43,400.07	7,326.23
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,380.50	
<b>11 41 23 00-0058</b>			<b>Walk-In Refrigerated Unit, 7'6" High With Floor</b> <small>(11 41 23 00-0001)</small>		
			Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.		
11 41 23 00-0059	EA		16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,013.95	3,457.33
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,851.66	
11 41 23 00-0060	EA		16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,253.13	3,786.59
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,300.75	
11 41 23 00-0061	EA		16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,421.98	4,115.86
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,733.54	
11 41 23 00-0062	EA		16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,658.92	4,445.13
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,184.21	
11 41 23 00-0063	EA		16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,832.74	4,774.40
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,617.00	
11 41 23 00-0064	EA		16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,181.76	5,185.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,066.09	
11 41 23 00-0065	EA		16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,577.03	5,679.89
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,500.46	
11 41 23 00-0066	EA		16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,029.91	6,173.79
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,949.55	
11 41 23 00-0067	EA		16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,412.52	6,667.69
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,382.34	
11 41 23 00-0068	EA		16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,866.82	7,161.60
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,833.00	
11 41 23 00-0069	EA		18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,063.02	3,951.23
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,699.38	
11 41 23 00-0070	EA		18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,354.95	4,280.49
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,162.92	
11 41 23 00-0071	EA		18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,761.38	4,609.77
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,654.58	
11 41 23 00-0072	EA		18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,052.59	4,939.03
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,116.80	
11 41 23 00-0073	EA		18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,681.08	5,432.93
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,609.77	

**11 Equipment****11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0074	EA		18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,177.83	5,926.84
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,072.00	
11 41 23 00-0075	EA		18' x 30' Walk-in Refrigerated Box, 7' 6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,829.33	6,420.74
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,563.66	
11 41 23 00-0076	EA		18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	45,323.40	6,914.65
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,027.20	
11 41 23 00-0077	EA		18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	47,953.48	7,408.55
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,518.85	
11 41 23 00-0078	EA		18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	50,661.35	8,012.21
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,981.08	
<b>11 41 23 00-0079</b>			<b>Walk-In Refrigerated Unit, 8'6" High With Floor</b> <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.		
11 41 23 00-0080	EA		6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	7,988.44	1,317.08
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,558.01	
11 41 23 00-0081	EA		6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,194.64	1,481.71
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,804.76	
11 41 23 00-0082	EA		6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,101.57	1,646.34
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,976.61	
11 41 23 00-0083	EA		6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,485.20	1,975.62
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,213.11	
11 41 23 00-0084	EA		6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,207.39	2,304.88
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,533.96	
11 41 23 00-0085	EA		6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,651.44	2,634.15
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,784.65	
11 41 23 00-0086	EA		6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,032.69	2,963.42
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,020.37	
11 41 23 00-0087	EA		8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,499.94	1,646.34
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,076.21	
11 41 23 00-0088	EA		8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,477.71	1,810.97
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,265.93	
11 41 23 00-0089	EA		8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,982.37	2,140.25
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,531.86	
11 41 23 00-0090	EA		8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,852.80	2,469.52
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,890.03	
11 41 23 00-0091	EA		8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,377.35	2,798.78
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,161.74	
11 41 23 00-0092	EA		8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,905.28	3,128.06
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,433.45	
11 41 23 00-0093	EA		8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,427.96	3,457.33
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,705.16	
11 41 23 00-0094	EA		8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,952.38	3,786.59
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,975.56	
11 41 23 00-0095	EA		8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,482.16	4,115.86
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,248.59	
<b>11 41 23 00-0096</b>			<b>Walk-In Refrigerated Unit, 8'6" High With Floor</b> <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		
11 41 23 00-0097	EA		10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,931.53	1,975.62
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,574.70	
11 41 23 00-0098	EA		10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,553.87	2,304.88
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,870.58	
11 41 23 00-0099	EA		10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,198.68	2,634.15
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,171.46	
11 41 23 00-0100	EA		10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,800.66	2,963.42
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,462.36	



<b>Equipment</b>	<b>11</b>
Foodservice Equipment	11 40
Foodservice Storage Equipment	11 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0101 EA 10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,464.53	3,292.69
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,769.54	
11 41 23 00-0102 EA 10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,069.21	3,621.96
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,059.13	
11 41 23 00-0103 EA 10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,737.05	3,951.23
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,367.89	
11 41 23 00-0104 EA 10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,332.09	4,280.49
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,657.21	
11 41 23 00-0105 EA 10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,000.64	4,609.77
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,964.39	
11 41 23 00-0106 EA 10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,606.53	4,939.03
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,255.29	
11 41 23 00-0107 EA 10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,492.94	5,432.93
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,562.74	
11 41 23 00-0108 EA 10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,298.05	5,844.53
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,852.06	
11 41 23 00-0109 EA 12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,043.71	2,469.52
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,187.76	
11 41 23 00-0110 EA 12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,843.64	2,798.78
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,528.31	
11 41 23 00-0111 EA 12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,553.42	3,128.06
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,845.49	
11 41 23 00-0112 EA 12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,345.19	3,457.33
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,184.47	
11 41 23 00-0113 EA 12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,063.01	3,786.59
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,503.22	
11 41 23 00-0114 EA 12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,855.56	4,115.86
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,841.94	
11 41 23 00-0115 EA 12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,558.54	4,445.13
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,159.11	
11 41 23 00-0116 EA 12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,362.42	4,774.40
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,499.67	
11 41 23 00-0117 EA 12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,184.78	5,185.98
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,816.84	
11 41 23 00-0118 EA 12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,198.50	5,679.89
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,155.83	
11 41 23 00-0119 EA 12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,130.03	6,173.79
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,474.58	
11 41 23 00-0120 EA 12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,136.34	6,667.69
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,813.30	
11 41 23 00-0121 EA 12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,056.68	7,161.60
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,130.47	
<b>11 41 23 00-0122 Walk-In Refrigerated Unit, 8'6" High With Floor</b> <small>(11 41 23 00-0001)</small>		
Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0123 EA 14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,850.98	2,963.42
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,224.94	
11 41 23 00-0124 EA 14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,876.44	3,292.69
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,622.52	
11 41 23 00-0125 EA 14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,015.07	3,621.96
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,045.59	
11 41 23 00-0126 EA 14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,039.24	3,951.23
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,443.44	
11 41 23 00-0127 EA 14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,162.99	4,280.49
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,864.93	

11	<b>11 Equipment</b>
	<b>11 40 Foodservice Equipment</b>
	<b>11 41 Foodservice Storage Equipment</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0128	EA		14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,200.48	4,609.77
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,264.35	
11 41 23 00-0129	EA		14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,328.77	4,939.03
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,685.85	
11 41 23 00-0130	EA		14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,576.76	5,432.93
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,083.69	
11 41 23 00-0131	EA		14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,916.89	5,926.84
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,506.77	
11 41 23 00-0132	EA		14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,192.10	6,420.74
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,904.35	
11 41 23 00-0133	EA		14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,519.04	6,914.65
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,326.11	
11 41 23 00-0134	EA		14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,779.13	7,408.55
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,725.27	
<b>11 41 23 00-0135</b>			<b>Walk-In Refrigerated Unit, 8'6" High With Floor</b> <small>(11 41 23 00-0001)</small>		
			Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.		
11 41 23 00-0136	EA		16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,949.44	3,457.33
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,085.53	
11 41 23 00-0137	EA		16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,220.15	3,786.59
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,542.50	
11 41 23 00-0138	EA		16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,460.48	4,115.86
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,993.17	
11 41 23 00-0139	EA		16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,728.95	4,445.13
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,451.71	
11 41 23 00-0140	EA		16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,974.25	4,774.40
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,902.38	
11 41 23 00-0141	EA		16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,354.80	5,185.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,359.35	
11 41 23 00-0142	EA		16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,821.55	5,679.89
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,811.59	
11 41 23 00-0143	EA		16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,305.96	6,173.79
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,268.56	
11 41 23 00-0144	EA		16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	43,760.04	6,667.69
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,719.22	
11 41 23 00-0145	EA		16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	46,245.88	7,161.60
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,177.77	
11 41 23 00-0146	EA		18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,061.58	3,951.23
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,949.02	
11 41 23 00-0147	EA		18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,424.98	4,280.49
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,430.43	
11 41 23 00-0148	EA		18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,862.94	4,609.77
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,929.97	
11 41 23 00-0149	EA		18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,225.63	4,939.03
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,410.06	
11 41 23 00-0150	EA		18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,885.66	5,432.93
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,910.92	
11 41 23 00-0151	EA		18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,453.87	5,926.84
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,391.01	
11 41 23 00-0152	EA		18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,136.91	6,420.74
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,890.55	
11 41 23 00-0153	EA		18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	46,702.46	6,914.65
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,371.96	
11 41 23 00-0154	EA		18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	49,364.07	7,408.55
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,871.50	



<b>Equipment</b>	<b>11</b>	
<b>Foodservice Equipment</b>	<b>11 40</b>	11
<b>Foodservice Storage Equipment</b>	<b>11 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0155 EA 18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	52,143.42 -10,351.60	8,012.21
<b>11 41 23 00-0156 Walk-In Refrigerated Unit Metal Price Add-Ons (11 41 23 00-0001)</b>		
11 41 23 00-0157 SF Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume® .....	0.45	
11 41 23 00-0158 SF Metal Price Add-ons, 24 Gauge White Polyester vs. 24 Gauge Galvalume® .....	0.83	
11 41 23 00-0159 SF Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume® .....	1.16	
11 41 23 00-0160 SF Metal Price Add-ons, 22 Gauge Stainless Steel vs. 24 Gauge Galvalume® .....	8.20	
11 41 23 00-0161 SF Metal Price Add-ons, 20 Gauge Stainless Steel vs. 24 Gauge Galvalume® .....	10.72	
11 41 23 00-0162 SF Metal Price Add-ons, 24 Gauge Embossed Tan Polyester vs. 24 Gauge Galvalume® .....	1.32	
11 41 23 00-0163 SF Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume® .....	3.25	
11 41 23 00-0164 SF Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume® .....	4.20	
11 41 23 00-0165 SF Metal Price Add-ons, 24 Gauge Smooth Kynar® Painted vs. 24 Gauge Galvalume® .....	4.41	
11 41 23 00-0166 SF Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor .....	-5.92	
11 41 23 00-0167 SF Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor .....	2.47	
11 41 23 00-0168 SF Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor .....	6.42	
11 41 23 00-0169 SF Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor .....	5.63	
11 41 23 00-0170 SF Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor .....	18.24	
<b>11 41 23 00-0171 Air Cooled Condensing Units For Walk-In Coolers And Freezers (11 41 23)</b>		
<b>11 41 23 00-0172 Medium Temperature Hermetic System, Indoor (11 41 23 00-0171)</b> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
<b>11 41 23 00-0173 208/230 Volt, 1 Phase (11 41 23 00-0172)</b> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0174 EA 1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,477.24	144.63
11 41 23 00-0175 EA 3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,722.36	168.74
11 41 23 00-0176 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,441.90	192.84
11 41 23 00-0177 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,866.02	216.95
11 41 23 00-0178 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,461.39	241.05
11 41 23 00-0179 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,254.84	289.26
11 41 23 00-0180 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	9,877.82	337.47
11 41 23 00-0181 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	10,587.30	385.68
<b>11 41 23 00-0182 208/230 Volt, 3 Phase (11 41 23 00-0172)</b> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0183 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,449.73	192.84
11 41 23 00-0184 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,866.02	216.95
11 41 23 00-0185 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,531.88	241.05
11 41 23 00-0186 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,170.92	289.26
11 41 23 00-0187 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,877.82	337.47
11 41 23 00-0188 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	10,489.96	385.68
<b>11 41 23 00-0189 Medium Temperature Hermetic System, Outdoor (11 41 23 00-0171)</b> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
<b>11 41 23 00-0190 208/230 Volt, 1 Phase (11 41 23 00-0189)</b> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0191 EA 1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,662.71	144.63
11 41 23 00-0192 EA 3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,033.79	168.74
11 41 23 00-0193 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,651.63	192.84
11 41 23 00-0194 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,848.70	216.95
11 41 23 00-0195 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,205.59	241.05
11 41 23 00-0196 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,930.99	289.26
11 41 23 00-0197 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,922.12	337.47
11 41 23 00-0198 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,479.35	385.68
<b>11 41 23 00-0199 208/230 Volt, 3 Phase (11 41 23 00-0189)</b> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0200 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,620.68	192.84
11 41 23 00-0201 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,861.24	216.95
11 41 23 00-0202 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,270.83	241.05
11 41 23 00-0203 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,869.09	289.26
11 41 23 00-0204 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,941.36	337.47
11 41 23 00-0205 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,402.39	385.68
<b>11 41 23 00-0206 Low Temperature Hermetic System, Indoor (11 41 23 00-0171)</b> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
<b>11 41 23 00-0207 208/230 Volt, 1 Phase (11 41 23 00-0206)</b> Note: Pre-Assembled indoor R404a.		

11	<b>11 Equipment</b>
	<b>11 40 Foodservice Equipment</b>
	<b>11 41 Foodservice Storage Equipment</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0208	EA		1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	5,093.74	144.63
11 41 23 00-0209	EA		3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	5,275.09	168.74
11 41 23 00-0210	EA		1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	5,520.22	192.84
11 41 23 00-0211	EA		1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	5,890.64	216.95
11 41 23 00-0212	EA		2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	6,406.57	241.05
11 41 23 00-0213	EA		3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	7,562.53	289.26
<b>11 41 23 00-0214</b>			<b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0206)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0215	EA		1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	5,528.05	192.84
11 41 23 00-0216	EA		1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	5,890.64	216.95
11 41 23 00-0217	EA		2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	6,479.30	241.05
11 41 23 00-0218	EA		3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	7,481.97	289.26
<b>11 41 23 00-0219</b>			<b>Low Temperature Hermetic System, Outdoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
<b>11 41 23 00-0220</b>			<b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0221	EA		1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	4,310.97	144.63
11 41 23 00-0222	EA		3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	4,378.41	168.74
11 41 23 00-0223	EA		1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	4,617.33	192.84
11 41 23 00-0224	EA		1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	5,005.95	216.95
11 41 23 00-0225	EA		2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	5,462.38	241.05
11 41 23 00-0226	EA		3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	6,150.98	289.26
<b>11 41 23 00-0227</b>			<b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0228	EA		1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	4,768.73	192.84
11 41 23 00-0229	EA		1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	5,080.40	216.95
11 41 23 00-0230	EA		2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	5,522.61	241.05
11 41 23 00-0231	EA		3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	6,089.91	289.26
<b>11 41 23 00-0232</b>			<b>Medium Temperature Semi-Hermetic System, Indoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
<b>11 41 23 00-0233</b>			<b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0234	EA		1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	5,780.92	192.84
11 41 23 00-0235	EA		5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	13,259.19	385.68
<b>11 41 23 00-0236</b>			<b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0237	EA		1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	5,785.39	192.84
11 41 23 00-0238	EA		2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	8,014.40	241.05
11 41 23 00-0239	EA		3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	10,010.64	289.26
11 41 23 00-0240	EA		5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	13,076.81	385.68
<b>11 41 23 00-0241</b>			<b>Medium Temperature Semi-Hermetic System, Outdoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
<b>11 41 23 00-0242</b>			<b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0243	EA		1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	4,840.67	192.84
11 41 23 00-0244	EA		5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	11,928.07	385.68
<b>11 41 23 00-0245</b>			<b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0246	EA		1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	4,849.03	192.84
11 41 23 00-0247	EA		2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	5,726.70	241.05
11 41 23 00-0248	EA		3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	8,232.09	289.26
11 41 23 00-0249	EA		5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	10,782.96	385.68



<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
11 41 23 00-0250	<b>Low Temperature Semi-Hermetic System, Indoor</b> <small>(11 41 23 00-0171)</small>		
	Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0251	<b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0250)</small>		
	Note: Pre-Assembled indoor R404a.		
11 41 23 00-0252	EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,925.16	168.74
11 41 23 00-0253	EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,324.70	192.84
11 41 23 00-0254	EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,425.74	216.95
11 41 23 00-0255	EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,607.41	241.05
11 41 23 00-0256	EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	10,888.96	289.26
11 41 23 00-0257	<b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0250)</small>		
	Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258	EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,893.83	168.74
11 41 23 00-0259	EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,320.22	192.84
11 41 23 00-0260	EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,383.22	216.95
11 41 23 00-0261	EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	8,533.56	241.05
11 41 23 00-0262	EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	10,496.23	289.26
11 41 23 00-0263	EA 4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	14,704.67	337.47
11 41 23 00-0264	EA 6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	15,475.82	433.89
11 41 23 00-0265	EA 7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	22,358.39	506.21
11 41 23 00-0266	<b>Low Temperature Semi-Hermetic System, Outdoor</b> <small>(11 41 23 00-0171)</small>		
	Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0267	<b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0266)</small>		
	Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268	EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,968.95	168.74
11 41 23 00-0269	EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,212.05	192.84
11 41 23 00-0270	EA 1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,063.24	216.95
11 41 23 00-0271	EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,964.66	241.05
11 41 23 00-0272	EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,722.25	289.26
11 41 23 00-0273	<b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0266)</small>		
	Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274	EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,895.34	168.74
11 41 23 00-0275	EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,215.40	192.84
11 41 23 00-0276	EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,050.69	216.95
11 41 23 00-0277	EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,902.77	241.05
11 41 23 00-0278	EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,457.10	289.26
11 41 23 00-0279	EA 4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	12,314.37	337.47
11 41 23 00-0280	EA 6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	13,013.12	433.89
11 41 23 00-0281	EA 7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	18,291.99	506.21
11 41 23 00-0282	<b>Walk-In Refrigerated Boxes Accessories</b> <small>(11 41 23)</small>		
11 41 23 00-0283	<b>Accessories</b> <small>(11 41 23 00-0282)</small>		
11 41 23 00-0284	EA Super Door Package, For 36" Or 42" Door.....	644.27	
	Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0285	EA Super Door Package, For 48" Door.....	842.93	
	Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0286	EA Super Door Package, For 60" Door.....	842.93	
	Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0287	EA 14" x 24" Observation Window, Heated.....	921.43	
11 41 23 00-0288	EA Heated Air Vent, Kason.....	369.60	
11 41 23 00-0289	EA Heated Air Vent, Bally Polyvinyl Chloride (PVC).....	795.30	
11 41 23 00-0290	EA Interior Ramps For 36" Or 42" Wide Doors.....	1,108.30	
11 41 23 00-0291	EA Interior Ramps For 48" Wide Doors.....	1,208.16	
11 41 23 00-0292	EA Interior Ramps For 60" Wide Doors.....	1,323.78	
11 41 23 00-0293	EA Exterior Ramps For 36" Or 42" Wide Doors.....	471.33	
11 41 23 00-0294	EA Exterior Ramps For 48" Wide Doors.....	832.91	
11 41 23 00-0295	EA Exterior Ramps For 60" Wide Doors.....	832.91	
11 41 23 00-0296	EA Field Installed Extra Vapor-Proof Lights.....	127.52	
11 41 23 00-0297	EA Field Installed Fluorescent Lights, 48", 2 Tubes.....	502.76	
11 41 23 00-0298	EA Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted).....	1,080.87	
11 41 23 00-0299	EA Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted).....	1,134.48	
11 41 23 00-0300	EA Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted).....	555.32	

**11 Equipment****11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

11 41 23 00-0301	EA	Locking Devices, 36" Or 42" Wide Locking Bar .....	325.13	
11 41 23 00-0302	EA	Locking Devices, 48" Wide Locking Bar .....	367.17	
11 41 23 00-0303	EA	Locking Devices, 60" Wide Locking Bar .....	367.17	
11 41 23 00-0304	EA	Locking Devices, Mortise Dead Bolt (Cooler) .....	632.05	
11 41 23 00-0305	EA	Locking Devices, Mortise Dead Bolt (Freezer) .....	770.80	
11 41 23 00-0306	EA	Blast Freezer Kit, For 36" Or 42" Wide Doors .....	1,238.64	
11 41 23 00-0307	EA	Blast Freezer Kit, For 48" Wide Doors .....	1,305.91	
11 41 23 00-0308	EA	Blast Freezer Kit, For 60" Wide Doors .....	1,341.65	
11 41 23 00-0309	EA	Hardware Options, Polished For 36" Or 42" Door .....	57.81	
11 41 23 00-0310	EA	Hardware Options, Polished For 48" Or 60" Door .....	47.30	
11 41 23 00-0311	EA	Hardware Options, Chrome For 36" Or 42" Door .....	146.10	
11 41 23 00-0312	EA	Hardware Options, Chrome For 48" Or 60" Door .....	78.83	
11 41 23 00-0313	EA	Hardware Options, Positive Latch, 36" Or 42" Door .....	195.62	
11 41 23 00-0314	EA	Hardware Options, Strap Hinges, 36" Or 42" Door .....	145.16	
11 41 23 00-0315	EA	4" Scream Door .....	413.74	
11 41 23 00-0316	EA	Doors Cut For Tile .....	489.42	
11 41 23 00-0317	EA	84" High Doors (36" Wide) .....	489.42	
11 41 23 00-0318	EA	Doors Raised Or Lowered In Panel .....	1,045.46	
11 41 23 00-0319	EA	57-1/2" Door Section .....	332.81	
11 41 23 00-0320	EA	3 Way, Interior And Exterior, Light Switches .....	267.32	
11 41 23 00-0321	EA	3 Way (1 Side Only) Light Switch .....	136.40	
11 41 23 00-0322	EA	Structural Support, 5" Reinforcing Ceilings (Every 23") .....	238.82	
11 41 23 00-0323	EA	Structural Support, 6" Reinforcing Ceilings (Every 23") .....	297.69	
11 41 23 00-0324	LF	Structural Support, Self-Supporting Standard Angle .....	32.41	
11 41 23 00-0325	LF	Structural Support, Self-Supporting 6" Channel .....	41.08	
11 41 23 00-0326	LF	Structural Support, Self-Supporting 8" Channel .....	58.16	
11 41 23 00-0327	LF	Structural Support, Self-Supporting 10" Channel .....	91.00	
11 41 23 00-0328	LF	Structural Support, Suspended Ceiling Support .....	18.00	
11 41 23 00-0329	LF	Factory Prepared Opening, Foam Cut Opening .....	6.76	
11 41 23 00-0330	LF	Factory Prepared Opening, Metal Capped Opening .....	18.39	
11 41 23 00-0331	LF	Factory Prepared Opening, Wood Framed Opening .....	26.88	
11 41 23 00-0332	LF	Factory Prepared Opening, Metal Capped Wood Framed Opening .....	28.38	
11 41 23 00-0333	LF	Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer) .....	96.89	
11 41 23 00-0334	SF	Outdoor Weather Roofs, Aluminum Roof Caps .....	38.13	
11 41 23 00-0335	SF	Outdoor Weather Roofs, Membrane Roof Caps .....	5.78	
11 41 23 00-0336	SF	Outdoor Weather Roofs, Painted Aluminum Roofs .....	47.36	
11 41 23 00-0337	SF	1/8" Aluminum Tread Plate .....	91.25	
11 41 23 00-0338	SF	3/16" Aluminum Tread Plate .....	111.32	
11 41 23 00-0339	EA	Digitemp Display Thermometer (Indoor Exterior Wall) .....	250.97	
11 41 23 00-0340	EA	4-1/2" Dial Type Thermometer With 5' Cap Tube .....	226.79	
11 41 23 00-0341	EA	6" Dial Type Thermometer With 5' Cap Tube .....	700.84	
11 41 23 00-0342	EA	2" Dial Type Thermometer (Standard) .....	88.05	
11 41 23 00-0343	LF	Extra Capillary Tubing .....	9.64	

**11 41 23 00-0344 Partition Wall For Walk-In Refrigerated Boxes** (11 41 23 00-0282)

Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.

11 41 23 00-0345	EA	5'-10" Length Partition Wall, 7'-2"/7'-6" High .....	2,502.08	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>119.62</i>	
11 41 23 00-0346	EA	6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High .....	2,724.10	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>130.44</i>	
11 41 23 00-0347	EA	7'-9" Length Partition Wall, 7'-2"/7'-6" High .....	2,803.16	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>134.12</i>	
11 41 23 00-0348	EA	8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High .....	3,029.39	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>145.16</i>	
11 41 23 00-0349	EA	9'-8" Length Partition Wall, 7'-2"/7'-6" High .....	2,969.71	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>141.90</i>	
11 41 23 00-0350	EA	10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High .....	3,190.67	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>152.67</i>	
11 41 23 00-0351	EA	11'-7" Length Partition Wall, 7'-2"/7'-6" High .....	3,259.22	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>155.83</i>	
11 41 23 00-0352	EA	12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High .....	3,572.69	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>171.23</i>	
11 41 23 00-0353	EA	13'-6" Length Partition Wall, 7'-2"/7'-6" High .....	3,437.33	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>164.18</i>	
11 41 23 00-0354	EA	14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High .....	3,659.35	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>175.01</i>	
11 41 23 00-0355	EA	15'-5" Length Partition Wall, 7'-2"/7'-6" High .....	3,743.66	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>178.95</i>	





<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0356 EA 16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,966.73	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume® On Both Sides, Add	189.83	
11 41 23 00-0357 EA 17'-4" Length Partition Wall, 7'-2"/7'-6" High.....	4,563.07	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume® On Both Sides, Add	219.37	
11 41 23 00-0358 EA 5'-10" Length Partition Wall, 8'-2"/8'-6" High.....	2,727.01	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume® On Both Sides, Add	130.86	
11 41 23 00-0359 EA 6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High.....	2,915.40	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume® On Both Sides, Add	140.01	
11 41 23 00-0360 EA 7'-9" Length Partition Wall, 8'-2"/8'-6" High.....	3,008.13	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume® On Both Sides, Add	144.37	
11 41 23 00-0361 EA 8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High.....	3,258.53	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume® On Both Sides, Add	156.62	
11 41 23 00-0362 EA 9'-8" Length Partition Wall, 8'-2"/8'-6" High.....	3,186.24	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume® On Both Sides, Add	152.73	
11 41 23 00-0363 EA 10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High.....	3,435.58	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume® On Both Sides, Add	164.92	
11 41 23 00-0364 EA 11'-7" Length Partition Wall, 8'-2"/8'-6" High.....	3,529.36	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume® On Both Sides, Add	169.33	
11 41 23 00-0365 EA 12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High.....	3,778.70	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume® On Both Sides, Add	181.53	
11 41 23 00-0366 EA 13'-6" Length Partition Wall, 8'-2"/8'-6" High.....	3,706.41	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume® On Both Sides, Add	177.64	
11 41 23 00-0367 EA 14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High.....	3,955.76	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume® On Both Sides, Add	189.83	
11 41 23 00-0368 EA 15'-5" Length Partition Wall, 8'-2"/8'-6" High.....	4,049.53	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume® On Both Sides, Add	194.25	
11 41 23 00-0369 EA 16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High.....	4,298.88	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume® On Both Sides, Add	206.44	
11 41 23 00-0370 EA 17'-4" Length Partition Wall, 8'-2"/8'-6" High.....	4,426.59	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume® On Both Sides, Add	202.55	
<b>11 41 23 00-0371 Glass Doors For Walk-In Refrigerated Boxes</b> (11 41 23 00-0282)		
Note: Factory installed, includes lights and 5 tier shelves.		
11 41 23 00-0372 EA 23" x 67" Glass Door, Displayrite, Coolrite Model.....	1,043.75	
11 41 23 00-0373 EA 23" x 73" Glass Door, Displayrite, Coolrite Model.....	1,140.45	
11 41 23 00-0374 EA 30" x 67" Glass Door, Displayrite, Coolrite Model.....	1,149.91	
11 41 23 00-0375 EA 30" x 73" Glass Door, Displayrite, Coolrite Model.....	1,271.84	
11 41 23 00-0376 EA 23" x 67" Glass Door, Displayrite, Freezerite Model.....	1,395.87	
11 41 23 00-0377 EA 23" x 73" Glass Door, Displayrite, Freezerite Model.....	1,484.17	
11 41 23 00-0378 EA 30" x 67" Glass Door, Displayrite, Freezerite Model.....	1,489.42	
11 41 23 00-0379 EA 30" x 73" Glass Door, Displayrite, Freezerite Model.....	1,733.28	
11 41 23 00-0380 EA 24" x 67" Glass Door, Anthony Model 101.....	1,419.00	
11 41 23 00-0381 EA 26" x 67" Glass Door, Anthony Model 101.....	1,757.46	
11 41 23 00-0382 EA 30" x 67" Glass Door, Anthony Model 101.....	1,876.23	
11 41 23 00-0383 EA 30x75 Glass Door, Anthony Model 101.....	1,916.17	
11 41 23 00-0384 EA 24" x 67" Glass Door, Anthony Model 101.....	2,161.08	
11 41 23 00-0385 EA 26" x 67" Glass Door, Anthony Model 101.....	2,398.63	
11 41 23 00-0386 EA 30" x 67" Glass Door, Anthony Model 101.....	2,442.78	
11 41 23 00-0387 EA 30" x 75" Glass Door, Anthony Model 101.....	2,605.70	
11 41 23 00-0388 EA 23" x 67" Glass Door, Anthony Model 401.....	1,120.48	
11 41 23 00-0389 EA 26-3/4" x 67" Glass Door, Anthony Model 401.....	1,180.40	
11 41 23 00-0390 EA 30-1/4" x 67" Glass Door, Anthony Model 401.....	1,587.18	
11 41 23 00-0391 EA 30-1/4" x 75" Glass Door, Anthony Model 401.....	1,361.19	
11 41 23 00-0392 EA 23" x 67" Glass Door, Anthony Model 401.....	1,511.50	
11 41 23 00-0393 EA 26-3/4" x 67" Glass Door, Anthony Model 401.....	1,581.92	
11 41 23 00-0394 EA 30-1/4" x 67" Glass Door, Anthony Model 401.....	1,587.18	
11 41 23 00-0395 EA 30-1/4" x 75" Glass Door, Anthony Model 401.....	1,889.90	
<b>11 41 23 00-0396 Modular Wire Shelving For Walk-In Refrigerated Boxes</b> (11 41 23 00-0282)		
11 41 23 00-0397 EA 14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	406.06	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0398 EA 14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	428.37	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0399 EA 14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	475.89	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0400 EA 14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	502.41	
For Cantilever Shelving, Add	402.00	

**11 Equipment**  
**11 40 Foodservice Equipment**  
**11 41 Foodservice Storage Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0401	EA		14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	547.01 402.00	
11 41 23 00-0402	EA		18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	466.21 402.00	
11 41 23 00-0403	EA		18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	479.05 402.00	
11 41 23 00-0404	EA		18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	527.63 402.00	
11 41 23 00-0405	EA		18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	552.04 402.00	
11 41 23 00-0406	EA		18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	629.23 402.00	
11 41 23 00-0407	EA		21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	507.43 402.00	
11 41 23 00-0408	EA		21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	515.02 402.00	
11 41 23 00-0409	EA		21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	584.63 402.00	
11 41 23 00-0410	EA		21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	590.11 402.00	
11 41 23 00-0411	EA		21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	677.82 402.00	
11 41 23 00-0412	EA		14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	351.40 402.00	
11 41 23 00-0413	EA		14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	369.51 402.00	
11 41 23 00-0414	EA		14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	404.42 402.00	
11 41 23 00-0415	EA		14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	414.11 402.00	
11 41 23 00-0416	EA		14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	471.33 402.00	
11 41 23 00-0417	EA		18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	386.33 402.00	
11 41 23 00-0418	EA		18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	413.88 402.00	
11 41 23 00-0419	EA		18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	438.29 402.00	
11 41 23 00-0420	EA		18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	445.88 402.00	
11 41 23 00-0421	EA		18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	523.07 402.00	
11 41 23 00-0422	EA		21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	423.34 402.00	
11 41 23 00-0423	EA		21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	440.39 402.00	
11 41 23 00-0424	EA		21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	472.16 402.00	
11 41 23 00-0425	EA		21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	490.25 402.00	
11 41 23 00-0426	EA		21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	569.55 402.00	
11 41 23 00-0427	EA		14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,805.89 402.00	
11 41 23 00-0428	EA		14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,014.56 402.00	
11 41 23 00-0429	EA		14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,055.08 402.00	
11 41 23 00-0430	EA		14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,095.60 402.00	
11 41 23 00-0431	EA		14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,533.96 402.00	
11 41 23 00-0432	EA		18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,895.46 402.00	
11 41 23 00-0433	EA		18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,013.04 402.00	
11 41 23 00-0434	EA		18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,228.72 402.00	
11 41 23 00-0435	EA		18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,318.29 402.00	
11 41 23 00-0436	EA		18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,833.72 402.00	
11 41 23 00-0437	EA		21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,048.07 402.00	
11 41 23 00-0438	EA		21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,235.73 402.00	
11 41 23 00-0439	EA		21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,451.41 402.00	
11 41 23 00-0440	EA		21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,540.96 402.00	
11 41 23 00-0441	EA		21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	3,224.56 402.00	
11 41 23 00-0442	EA		14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	479.28 472.00	



<b>Equipment</b>	<b>11</b>	
<b>Foodservice Equipment</b>	<b>11 40</b>	<b>11</b>
<b>Foodservice Storage Equipment</b>	<b>11 41</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0443	EA		14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	516.31 472.00	
11 41 23 00-0444	EA		14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	558.57 472.00	
11 41 23 00-0445	EA		14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	597.70 472.00	
11 41 23 00-0446	EA		14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	648.62 472.00	
11 41 23 00-0447	EA		18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	563.61 472.00	
11 41 23 00-0448	EA		18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	578.55 472.00	
11 41 23 00-0449	EA		18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	636.59 472.00	
11 41 23 00-0450	EA		18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	667.31 472.00	
11 41 23 00-0451	EA		18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	760.27 472.00	
11 41 23 00-0452	EA		21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	613.23 472.00	
11 41 23 00-0453	EA		21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	633.44 472.00	
11 41 23 00-0454	EA		21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	698.84 472.00	
11 41 23 00-0455	EA		21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	714.84 472.00	
11 41 23 00-0456	EA		21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	818.32 472.00	
11 41 23 00-0457	EA		14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	413.06 472.00	
11 41 23 00-0458	EA		14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	434.32 472.00	
11 41 23 00-0459	EA		14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	476.59 472.00	
11 41 23 00-0460	EA		14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	487.33 472.00	
11 41 23 00-0461	EA		14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	556.12 472.00	
11 41 23 00-0462	EA		18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	464.80 472.00	
11 41 23 00-0463	EA		18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	496.56 472.00	
11 41 23 00-0464	EA		18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	563.01 472.00	
11 41 23 00-0465	EA		18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	560.09 472.00	
11 41 23 00-0466	EA		18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	625.73 472.00	
11 41 23 00-0467	EA		21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	509.17 472.00	
11 41 23 00-0468	EA		21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	529.38 472.00	
11 41 23 00-0469	EA		21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	568.50 472.00	
11 41 23 00-0470	EA		21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	588.71 472.00	
11 41 23 00-0471	EA		21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	685.88 472.00	
11 41 23 00-0472	EA		14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,204.20 472.00	
11 41 23 00-0473	EA		14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,463.67 472.00	
11 41 23 00-0474	EA		14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,512.94 472.00	
11 41 23 00-0475	EA		14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,562.22 472.00	
11 41 23 00-0476	EA		14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,107.43 472.00	
11 41 23 00-0477	EA		18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,314.78 472.00	
11 41 23 00-0478	EA		18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,460.39 472.00	
11 41 23 00-0479	EA		18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,728.62 472.00	
11 41 23 00-0480	EA		18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,839.21 472.00	
11 41 23 00-0481	EA		18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,480.76 472.00	
11 41 23 00-0482	EA		21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,504.18 472.00	
11 41 23 00-0483	EA		21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,737.38 472.00	
11 41 23 00-0484	EA		21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,005.61 472.00	

**11 Equipment**  
**11 40 Foodservice Equipment**  
**11 41 Foodservice Storage Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0485	EA		21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,116.19 472.00	
11 41 23 00-0486	EA		21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,967.94 472.00	
<b>11 41 31 Non-Refrigerated Storage Equipment (11 41)</b>					
<b>11 41 31 00-0001 Wall Cabinets (11 41 31)</b>					
11 41 31 00-0002	EA		48" Wall Cabinet With Sliding Doors..... Note: 15" deep and 24" high.	2,258.61	85.07
11 41 31 00-0003	EA		72" Wall Cabinet With Sliding Doors..... Note: 15" deep and 24" high.	2,980.18	112.30
11 41 31 00-0004	EA		72" Wall Cabinet With Hinged Doors..... Note: 15" deep and 24" high.	3,420.62	128.75
11 41 31 00-0005	EA		72" Wall Cabinet With Open Shelves..... Note: 15" deep and 24" high.	2,189.17	82.13
<b>11 41 31 00-0006 Mobile Sheet Pan Truck (11 41 31)</b>					
11 41 31 00-0007	EA		2 Level Mobile Sheet Pan Truck.....	209.71	6.56
<b>11 41 31 00-0008 Pot And Utensil Rack (11 41 31)</b>					
11 41 31 00-0009	EA		70" Bench Type Pot And Utensil Rack.....	611.74	19.99
11 41 31 00-0010	EA		94" Bench Type Pot And Utensil Rack.....	709.04	22.59
11 41 31 00-0011	EA		94" Ceiling Type Pot And Utensil Rack.....	842.93	27.06
11 41 31 00-0012	EA		96" Wall Type Pot And Utensil Rack.....	458.41	14.78
<b>11 41 31 00-0013 Tray And Silverware Cart (11 41 31)</b>					
11 41 31 00-0014	EA		33" x 22-1/2" x 42" Tray And Silverware Cart.....	2,116.02	67.45
<b>11 41 31 00-0015 Flat Top Utility Units (11 41 31)</b>					
11 41 31 00-0016	EA		39" x 28-1/2" x 35-3/8" Flat Top Utility Units.....	1,442.71	46.11
11 41 31 00-0017	EA		79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units.....	1,933.34	61.62
<b>11 41 33 Foodservice Shelving (11 41)</b>					
<b>11 41 33 00-0001 Shelving/Racks (11 41 33)</b>					
<b>11 41 33 00-0002 Chrome Shelving Units (11 41 33 00-0001)</b>					
<b>11 41 33 00-0003 54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)</b>					
11 41 33 00-0004	EA		14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	338.94	31.96
11 41 33 00-0005	EA		14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	358.74	32.23
11 41 33 00-0006	EA		14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	383.35	32.49
11 41 33 00-0007	EA		14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	398.47	32.76
11 41 33 00-0008	EA		14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	427.73	33.03
11 41 33 00-0009	EA		14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	452.43	33.29
11 41 33 00-0010	EA		14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	472.23	33.55
11 41 33 00-0011	EA		14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	516.64	34.08
11 41 33 00-0012	EA		18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	372.99	32.23
11 41 33 00-0013	EA		18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	388.10	32.49
11 41 33 00-0014	EA		18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	403.25	32.76
11 41 33 00-0015	EA		18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	446.86	33.03
11 41 33 00-0016	EA		18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	476.22	33.29
11 41 33 00-0017	EA		18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	515.05	33.55
11 41 33 00-0018	EA		18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	530.08	33.82
11 41 33 00-0019	EA		18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	584.14	34.34
11 41 33 00-0020	EA		21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	392.89	32.49
11 41 33 00-0021	EA		21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	426.94	32.76
11 41 33 00-0022	EA		21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	451.64	33.03
11 41 33 00-0023	EA		21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	480.91	33.29
11 41 33 00-0024	EA		21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	500.80	33.55
11 41 33 00-0025	EA		21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	549.21	33.82
11 41 33 00-0026	EA		21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	573.79	34.08
11 41 33 00-0027	EA		21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	637.30	34.61
11 41 33 00-0028	EA		24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	436.60	32.76
11 41 33 00-0029	EA		24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	456.43	33.03
11 41 33 00-0030	EA		24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	471.44	33.29
11 41 33 00-0031	EA		24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	510.37	33.55
11 41 33 00-0032	EA		24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	534.96	33.82
11 41 33 00-0033	EA		24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	583.35	34.08
11 41 33 00-0034	EA		24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	617.40	34.34
11 41 33 00-0035	EA		24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	700.02	34.87
11 41 33 00-0036	EA		30" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	589.75	33.03
11 41 33 00-0037	EA		30" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	666.59	33.29
11 41 33 00-0038	EA		30" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	715.08	33.55
11 41 33 00-0039	EA		30" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	825.41	33.82



	<b>Equipment</b>	<b>11</b>
	<b>Foodservice Equipment</b>	<b>11 40</b>
	<b>Foodservice Storage Equipment</b>	<b>11 41</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0040	EA		36" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	654.74	34.08
11 41 33 00-0041	EA		36" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	727.02	34.34
11 41 33 00-0042	EA		36" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	818.15	34.61
11 41 33 00-0043	EA		36" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	965.64	35.13
<b>11 41 33 00-0044</b>			<b>63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)</b>		
11 41 33 00-0045	EA		14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	343.63	31.96
11 41 33 00-0046	EA		14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	363.43	32.23
11 41 33 00-0047	EA		14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	388.01	32.49
11 41 33 00-0048	EA		14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	403.15	32.76
11 41 33 00-0049	EA		14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	432.42	33.03
11 41 33 00-0050	EA		14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	457.10	33.29
11 41 33 00-0051	EA		14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	476.92	33.55
11 41 33 00-0052	EA		14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	521.30	34.08
11 41 33 00-0053	EA		18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	377.65	32.23
11 41 33 00-0054	EA		18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	392.79	32.49
11 41 33 00-0055	EA		18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	407.94	32.76
11 41 33 00-0056	EA		18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	451.52	33.03
11 41 33 00-0057	EA		18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	480.91	33.29
11 41 33 00-0058	EA		18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	519.71	33.55
11 41 33 00-0059	EA		18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	534.76	33.82
11 41 33 00-0060	EA		18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	542.55	34.34
11 41 33 00-0061	EA		21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	397.57	32.49
11 41 33 00-0062	EA		21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	431.63	32.76
11 41 33 00-0063	EA		21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	456.31	33.03
11 41 33 00-0064	EA		21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	485.57	33.29
11 41 33 00-0065	EA		21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	505.49	33.55
11 41 33 00-0066	EA		21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	553.87	33.82
11 41 33 00-0067	EA		21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	578.47	34.08
11 41 33 00-0068	EA		21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	641.99	34.61
11 41 33 00-0069	EA		24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	441.29	32.76
11 41 33 00-0070	EA		24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	461.09	33.03
11 41 33 00-0071	EA		24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	476.13	33.29
11 41 33 00-0072	EA		24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	515.05	33.55
11 41 33 00-0073	EA		24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	539.64	33.82
11 41 33 00-0074	EA		24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	588.01	34.08
11 41 33 00-0075	EA		24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	622.06	34.34
11 41 33 00-0076	EA		24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	704.70	34.87
11 41 33 00-0077	EA		30" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	594.41	33.03
11 41 33 00-0078	EA		30" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	671.28	33.29
11 41 33 00-0079	EA		30" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	719.74	33.55
11 41 33 00-0080	EA		30" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	830.07	33.82
11 41 33 00-0081	EA		36" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	659.41	34.08
11 41 33 00-0082	EA		36" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	731.69	34.34
11 41 33 00-0083	EA		36" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	822.89	34.61
11 41 33 00-0084	EA		36" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	970.30	35.13
<b>11 41 33 00-0085</b>			<b>66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)</b>		
11 41 33 00-0086	EA		14" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	346.07	31.96
11 41 33 00-0087	EA		14" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	365.87	32.23
11 41 33 00-0088	EA		14" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	390.45	32.49
11 41 33 00-0089	EA		14" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	405.59	32.76
11 41 33 00-0090	EA		14" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	434.86	33.03
11 41 33 00-0091	EA		14" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	459.54	33.29
11 41 33 00-0092	EA		14" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	479.36	33.55
11 41 33 00-0093	EA		14" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	523.74	34.08
11 41 33 00-0094	EA		18" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	380.12	32.23
11 41 33 00-0095	EA		18" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	395.23	32.49
11 41 33 00-0096	EA		18" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	410.38	32.76
11 41 33 00-0097	EA		18" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	453.99	33.03
11 41 33 00-0098	EA		18" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	483.35	33.29
11 41 33 00-0099	EA		18" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	522.15	33.55
11 41 33 00-0100	EA		18" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	537.20	33.82
11 41 33 00-0101	EA		18" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	591.27	34.34
11 41 33 00-0102	EA		21" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	400.01	32.49
11 41 33 00-0103	EA		21" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	434.07	32.76
11 41 33 00-0104	EA		21" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	458.75	33.03
11 41 33 00-0105	EA		21" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	488.01	33.29
11 41 33 00-0106	EA		21" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	507.93	33.55
11 41 33 00-0107	EA		21" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	556.31	33.82
11 41 33 00-0108	EA		21" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	580.91	34.08
11 41 33 00-0109	EA		21" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	644.43	34.61
11 41 33 00-0110	EA		24" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	443.73	32.76
11 41 33 00-0111	EA		24" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	463.53	33.03
11 41 33 00-0112	EA		24" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	478.57	33.29
11 41 33 00-0113	EA		24" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	517.49	33.55
11 41 33 00-0114	EA		24" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	542.08	33.82
11 41 33 00-0115	EA		24" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	590.48	34.08
11 41 33 00-0116	EA		24" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	624.50	34.34

**11 Equipment****11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

11 41 33 00-0117	EA	24" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	707.14	34.87
11 41 33 00-0118	EA	30" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	596.85	33.03
11 41 33 00-0119	EA	30" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	673.71	33.29
11 41 33 00-0120	EA	30" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	722.21	33.55
11 41 33 00-0121	EA	30" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	832.51	33.82
11 41 33 00-0122	EA	36" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	661.85	34.08
11 41 33 00-0123	EA	36" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	734.13	34.34
11 41 33 00-0124	EA	36" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	825.30	34.61
11 41 33 00-0125	EA	36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	972.74	35.13

**11 41 33 00-0126 74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** (11 41 33 00-0002)

11 41 33 00-0127	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	353.17	31.96
11 41 33 00-0128	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	372.99	32.23
11 41 33 00-0129	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	397.57	32.49
11 41 33 00-0130	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	412.72	32.76
11 41 33 00-0131	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	441.98	33.03
11 41 33 00-0132	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	466.66	33.29
11 41 33 00-0133	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	486.48	33.55
11 41 33 00-0134	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	530.87	34.08
11 41 33 00-0135	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	387.22	32.23
11 41 33 00-0136	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	402.35	32.49
11 41 33 00-0137	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	417.50	32.76
11 41 33 00-0138	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	461.09	33.03
11 41 33 00-0139	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	490.45	33.29
11 41 33 00-0140	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	529.28	33.55
11 41 33 00-0141	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	544.33	33.82
11 41 33 00-0142	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	598.37	34.34
11 41 33 00-0143	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	407.14	32.49
11 41 33 00-0144	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	441.19	32.76
11 41 33 00-0145	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	465.87	33.03
11 41 33 00-0146	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	495.14	33.29
11 41 33 00-0147	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	515.05	33.55
11 41 33 00-0148	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	563.43	33.82
11 41 33 00-0149	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	588.01	34.08
11 41 33 00-0150	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	651.55	34.61
11 41 33 00-0151	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	450.85	32.76
11 41 33 00-0152	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	470.65	33.03
11 41 33 00-0153	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	485.69	33.29
11 41 33 00-0154	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	524.59	33.55
11 41 33 00-0155	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	549.21	33.82
11 41 33 00-0156	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	597.58	34.08
11 41 33 00-0157	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	631.62	34.34
11 41 33 00-0158	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	714.27	34.87
11 41 33 00-0159	EA	30" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	603.97	33.03
11 41 33 00-0160	EA	30" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	680.84	33.29
11 41 33 00-0161	EA	30" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	729.31	33.55
11 41 33 00-0162	EA	30" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	839.64	33.82
11 41 33 00-0163	EA	36" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	668.97	34.08
11 41 33 00-0164	EA	36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	741.25	34.34
11 41 33 00-0165	EA	36" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	832.45	34.61
11 41 33 00-0166	EA	36" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	979.86	35.13

**11 41 33 00-0167 86" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** (11 41 33 00-0002)

11 41 33 00-0168	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	372.20	31.96
11 41 33 00-0169	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	392.00	32.23
11 41 33 00-0170	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	416.58	32.49
11 41 33 00-0171	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	431.73	32.76
11 41 33 00-0172	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	460.99	33.03
11 41 33 00-0173	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	485.69	33.29
11 41 33 00-0174	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	505.49	33.55
11 41 33 00-0175	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	549.90	34.08
11 41 33 00-0176	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	406.25	32.23
11 41 33 00-0177	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	421.36	32.49
11 41 33 00-0178	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	436.51	32.76
11 41 33 00-0179	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	480.12	33.03
11 41 33 00-0180	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	509.48	33.29
11 41 33 00-0181	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	548.31	33.55
11 41 33 00-0182	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	563.34	33.82
11 41 33 00-0183	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	617.40	34.34
11 41 33 00-0184	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	426.14	32.49
11 41 33 00-0185	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	460.20	32.76
11 41 33 00-0186	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	484.90	33.03
11 41 33 00-0187	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	514.14	33.29
11 41 33 00-0188	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	534.06	33.55
11 41 33 00-0189	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	582.46	33.82
11 41 33 00-0190	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	607.04	34.08
11 41 33 00-0191	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	670.56	34.61
11 41 33 00-0192	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	469.86	32.76
11 41 33 00-0193	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	489.66	33.03



	<b>Equipment</b>	<b>11</b>
	<b>Foodservice Equipment</b>	<b>11 40</b>
	<b>Foodservice Storage Equipment</b>	<b>11 41</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0194	EA		24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	504.70	33.29
11 41 33 00-0195	EA		24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	543.63	33.55
11 41 33 00-0196	EA		24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	568.21	33.82
11 41 33 00-0197	EA		24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	616.61	34.08
11 41 33 00-0198	EA		24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	650.63	34.34
11 41 33 00-0199	EA		24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	733.28	34.87
11 41 33 00-0200	EA		30" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	622.98	33.03
11 41 33 00-0201	EA		30" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	699.85	33.29
11 41 33 00-0202	EA		30" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	748.34	33.55
11 41 33 00-0203	EA		30" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	858.64	33.82
11 41 33 00-0204	EA		36" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	687.98	34.08
11 41 33 00-0205	EA		36" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	760.26	34.34
11 41 33 00-0206	EA		36" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	851.48	34.61
11 41 33 00-0207	EA		36" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	998.87	35.13
<b>11 41 33 00-0208</b>			<b>96" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)</b>		
11 41 33 00-0209	EA		14" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	442.44	31.96
11 41 33 00-0210	EA		14" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	466.99	32.23
11 41 33 00-0211	EA		14" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	497.54	32.49
11 41 33 00-0212	EA		14" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	516.26	32.76
11 41 33 00-0213	EA		14" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	552.65	33.03
11 41 33 00-0214	EA		14" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	583.31	33.29
11 41 33 00-0215	EA		14" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	607.87	33.55
11 41 33 00-0216	EA		14" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	662.98	34.08
11 41 33 00-0217	EA		18" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	484.79	32.23
11 41 33 00-0218	EA		18" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	503.50	32.49
11 41 33 00-0219	EA		18" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	522.22	32.76
11 41 33 00-0220	EA		18" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	576.53	33.03
11 41 33 00-0221	EA		18" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	613.05	33.29
11 41 33 00-0222	EA		18" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	661.39	33.55
11 41 33 00-0223	EA		18" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	679.97	33.82
11 41 33 00-0224	EA		18" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	747.14	34.34
11 41 33 00-0225	EA		21" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	509.49	32.49
11 41 33 00-0226	EA		21" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	551.86	32.76
11 41 33 00-0227	EA		21" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	582.52	33.03
11 41 33 00-0228	EA		21" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	618.89	33.29
11 41 33 00-0229	EA		21" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	643.59	33.55
11 41 33 00-0230	EA		21" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	703.88	33.82
11 41 33 00-0231	EA		21" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	734.42	34.08
11 41 33 00-0232	EA		21" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	813.42	34.61
11 41 33 00-0233	EA		24" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	563.93	32.76
11 41 33 00-0234	EA		24" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	588.49	33.03
11 41 33 00-0235	EA		24" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	607.08	33.29
11 41 33 00-0236	EA		24" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	655.55	33.55
11 41 33 00-0237	EA		24" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	686.08	33.82
11 41 33 00-0238	EA		24" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	746.35	34.08
11 41 33 00-0239	EA		24" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	788.71	34.34
11 41 33 00-0240	EA		24" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	891.62	34.87
11 41 33 00-0241	EA		30" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	755.14	33.03
11 41 33 00-0242	EA		30" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	851.01	33.29
11 41 33 00-0243	EA		30" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	911.41	33.55
11 41 33 00-0244	EA		30" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	1,049.13	33.82
11 41 33 00-0245	EA		36" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	835.59	34.08
11 41 33 00-0246	EA		36" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	925.75	34.34
11 41 33 00-0247	EA		36" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	1,039.55	34.61
11 41 33 00-0248	EA		36" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	1,223.41	35.13
<b>11 41 33 00-0249</b>			<b>Galvanized Shelving Units (11 41 33 00-0001)</b>		
<b>11 41 33 00-0250</b>			<b>54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)</b>		
11 41 33 00-0251	EA		14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	372.88	31.96
11 41 33 00-0252	EA		14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	393.05	32.23
11 41 33 00-0253	EA		14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	418.18	32.49
11 41 33 00-0254	EA		14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	438.37	32.76
11 41 33 00-0255	EA		14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	468.35	33.03
11 41 33 00-0256	EA		14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	493.37	33.29
11 41 33 00-0257	EA		14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	518.49	33.55
11 41 33 00-0258	EA		14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	558.86	34.08
11 41 33 00-0259	EA		18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	407.60	32.23
11 41 33 00-0260	EA		18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	423.04	32.49
11 41 33 00-0261	EA		18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	452.92	32.76
11 41 33 00-0262	EA		18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	487.74	33.03
11 41 33 00-0263	EA		18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	517.70	33.29
11 41 33 00-0264	EA		18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	557.27	33.55
11 41 33 00-0265	EA		18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	587.26	33.82
11 41 33 00-0266	EA		18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	632.64	34.34
11 41 33 00-0267	EA		21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	427.87	32.49
11 41 33 00-0268	EA		21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	467.56	32.76
11 41 33 00-0269	EA		21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	492.58	33.03

**11 Equipment****11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

11 41 33 00-0270	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	522.56	33.29
11 41 33 00-0271	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	542.74	33.55
11 41 33 00-0272	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	596.96	33.82
11 41 33 00-0273	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	622.08	34.08
11 41 33 00-0274	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	696.48	34.61
11 41 33 00-0275	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	477.26	32.76
11 41 33 00-0276	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	497.43	33.03
11 41 33 00-0277	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	512.87	33.29
11 41 33 00-0278	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	552.43	33.55
11 41 33 00-0279	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	596.96	33.82
11 41 33 00-0280	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	646.31	34.08
11 41 33 00-0281	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	685.98	34.34
11 41 33 00-0282	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	775.02	34.87

**11 41 33 00-0283 63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)**

11 41 33 00-0284	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	382.57	31.96
11 41 33 00-0285	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	402.75	32.23
11 41 33 00-0286	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	427.87	32.49
11 41 33 00-0287	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	448.06	32.76
11 41 33 00-0288	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	478.05	33.03
11 41 33 00-0289	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	503.06	33.29
11 41 33 00-0290	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	528.19	33.55
11 41 33 00-0291	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	568.55	34.08
11 41 33 00-0292	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	417.30	32.23
11 41 33 00-0293	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	432.73	32.49
11 41 33 00-0294	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	462.61	32.76
11 41 33 00-0295	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	497.43	33.03
11 41 33 00-0296	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	527.40	33.29
11 41 33 00-0297	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	566.96	33.55
11 41 33 00-0298	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	596.96	33.82
11 41 33 00-0299	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	642.26	34.34
11 41 33 00-0300	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	437.57	32.49
11 41 33 00-0301	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	477.26	32.76
11 41 33 00-0302	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	502.27	33.03
11 41 33 00-0303	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	532.25	33.29
11 41 33 00-0304	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	552.43	33.55
11 41 33 00-0305	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	606.65	33.82
11 41 33 00-0306	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	631.78	34.08
11 41 33 00-0307	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	706.17	34.61
11 41 33 00-0308	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	486.95	32.76
11 41 33 00-0309	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	507.13	33.03
11 41 33 00-0310	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	522.56	33.29
11 41 33 00-0311	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	562.13	33.55
11 41 33 00-0312	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	606.65	33.82
11 41 33 00-0313	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	656.00	34.08
11 41 33 00-0314	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	695.68	34.34
11 41 33 00-0315	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	784.72	34.87

**11 41 33 00-0316 74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)**

11 41 33 00-0317	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	392.26	31.96
11 41 33 00-0318	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	412.44	32.23
11 41 33 00-0319	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	437.57	32.49
11 41 33 00-0320	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	457.75	32.76
11 41 33 00-0321	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	487.74	33.03
11 41 33 00-0322	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	512.75	33.29
11 41 33 00-0323	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	537.88	33.55
11 41 33 00-0324	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	578.24	34.08
11 41 33 00-0325	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	426.99	32.23
11 41 33 00-0326	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	442.43	32.49
11 41 33 00-0327	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	472.31	32.76
11 41 33 00-0328	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	507.13	33.03
11 41 33 00-0329	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	537.09	33.29
11 41 33 00-0330	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	576.65	33.55
11 41 33 00-0331	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	606.65	33.82
11 41 33 00-0332	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	651.95	34.34
11 41 33 00-0333	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	447.26	32.49
11 41 33 00-0334	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	486.95	32.76
11 41 33 00-0335	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	511.96	33.03
11 41 33 00-0336	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	541.95	33.29
11 41 33 00-0337	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	562.13	33.55
11 41 33 00-0338	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	616.34	33.82
11 41 33 00-0339	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	641.47	34.08
11 41 33 00-0340	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	715.87	34.61
11 41 33 00-0341	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	496.64	32.76
11 41 33 00-0342	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	516.82	33.03
11 41 33 00-0343	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	532.25	33.29
11 41 33 00-0344	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	571.82	33.55
11 41 33 00-0345	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	616.34	33.82
11 41 33 00-0346	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	665.69	34.08





<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	↑
Foodservice Storage Equipment	11 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0347	EA		24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	705.37	34.34
11 41 33 00-0348	EA		24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	794.41	34.87
<b>11 41 33 00-0349</b>			<b>86" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)</b>		
11 41 33 00-0350	EA		14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	416.60	31.96
11 41 33 00-0351	EA		14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	436.78	32.23
11 41 33 00-0352	EA		14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	461.90	32.49
11 41 33 00-0353	EA		14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	482.09	32.76
11 41 33 00-0354	EA		14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	512.08	33.03
11 41 33 00-0355	EA		14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	537.09	33.29
11 41 33 00-0356	EA		14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	562.22	33.55
11 41 33 00-0357	EA		14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	602.58	34.08
11 41 33 00-0358	EA		18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	451.33	32.23
11 41 33 00-0359	EA		18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	466.76	32.49
11 41 33 00-0360	EA		18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	496.64	32.76
11 41 33 00-0361	EA		18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	531.46	33.03
11 41 33 00-0362	EA		18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	561.43	33.29
11 41 33 00-0363	EA		18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	600.99	33.55
11 41 33 00-0364	EA		18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	630.99	33.82
11 41 33 00-0365	EA		18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	676.29	34.34
11 41 33 00-0366	EA		21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	471.60	32.49
11 41 33 00-0367	EA		21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	511.29	32.76
11 41 33 00-0368	EA		21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	536.30	33.03
11 41 33 00-0369	EA		21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	566.29	33.29
11 41 33 00-0370	EA		21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	586.46	33.55
11 41 33 00-0371	EA		21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	640.68	33.82
11 41 33 00-0372	EA		21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	665.81	34.08
11 41 33 00-0373	EA		21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	740.20	34.61
11 41 33 00-0374	EA		24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	520.98	32.76
11 41 33 00-0375	EA		24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	541.16	33.03
11 41 33 00-0376	EA		24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	556.59	33.29
11 41 33 00-0377	EA		24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	596.16	33.55
11 41 33 00-0378	EA		24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	640.68	33.82
11 41 33 00-0379	EA		24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	690.03	34.08
11 41 33 00-0380	EA		24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	729.71	34.34
11 41 33 00-0381	EA		24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	818.75	34.87
<b>11 41 33 00-0382</b>			<b>54" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)</b>		
11 41 33 00-0383	EA		18" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	729.79	32.76
11 41 33 00-0384	EA		18" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	804.27	33.29
11 41 33 00-0385	EA		18" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	903.00	33.82
11 41 33 00-0386	EA		18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	962.86	34.34
11 41 33 00-0387	EA		24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	799.34	33.29
11 41 33 00-0388	EA		24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	927.25	33.82
11 41 33 00-0389	EA		24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	1,025.97	34.34
11 41 33 00-0390	EA		24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	1,173.26	34.87
<b>11 41 33 00-0391</b>			<b>63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)</b>		
11 41 33 00-0392	EA		18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	739.49	32.76
11 41 33 00-0393	EA		18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	813.99	33.29
11 41 33 00-0394	EA		18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	912.70	33.82
11 41 33 00-0395	EA		18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	972.55	34.34
11 41 33 00-0396	EA		24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	809.04	33.29
11 41 33 00-0397	EA		24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	936.94	33.82
11 41 33 00-0398	EA		24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	1,035.67	34.34
11 41 33 00-0399	EA		24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	1,182.96	34.87
<b>11 41 33 00-0400</b>			<b>74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)</b>		
11 41 33 00-0401	EA		18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	749.18	32.76
11 41 33 00-0402	EA		18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	823.68	33.29
11 41 33 00-0403	EA		18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	922.41	33.82
11 41 33 00-0404	EA		18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	982.25	34.34
11 41 33 00-0405	EA		24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	818.73	33.29
11 41 33 00-0406	EA		24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	946.64	33.82
11 41 33 00-0407	EA		24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	1,045.36	34.34
11 41 33 00-0408	EA		24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	1,192.67	34.87
<b>11 41 33 00-0409</b>			<b>86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)</b>		
11 41 33 00-0410	EA		18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	773.52	32.76
11 41 33 00-0411	EA		18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	848.00	33.29
11 41 33 00-0412	EA		18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	946.73	33.82
11 41 33 00-0413	EA		18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	1,006.59	34.34
11 41 33 00-0414	EA		24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	843.07	33.29
11 41 33 00-0415	EA		24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	970.97	33.82
11 41 33 00-0416	EA		24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	1,069.70	34.34

<b>11</b>	<b>Equipment</b>
<b>11 40</b>	<b>Foodservice Equipment</b>
<b>11 41</b>	<b>Foodservice Storage Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0417 EA 24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit .....	1,216.99	34.87
<b>11 41 33 00-0418</b> <b>Stainless Steel Shelving Unit</b> <small>(11 41 33 00-0001)</small>		
<b>11 41 33 00-0419</b> <b>63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit</b> <small>(11 41 33 00-0418)</small>		
11 41 33 00-0420 EA 18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	820.77	32.76
11 41 33 00-0421 EA 18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	958.72	33.29
11 41 33 00-0422 EA 18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,133.15	33.82
11 41 33 00-0423 EA 18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,315.83	34.34
11 41 33 00-0424 EA 24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	970.30	33.29
11 41 33 00-0425 EA 24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,128.60	33.82
11 41 33 00-0426 EA 24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,336.16	34.34
11 41 33 00-0427 EA 24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,610.43	34.87
<b>11 41 33 00-0428</b> <b>74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit</b> <small>(11 41 33 00-0418)</small>		
11 41 33 00-0429 EA 18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	849.79	32.76
11 41 33 00-0430 EA 18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	987.74	33.29
11 41 33 00-0431 EA 18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,166.29	33.82
11 41 33 00-0432 EA 18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,344.83	34.34
11 41 33 00-0433 EA 24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	999.32	33.29
11 41 33 00-0434 EA 24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,157.60	33.82
11 41 33 00-0435 EA 24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,365.16	34.34
11 41 33 00-0436 EA 24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,639.44	34.87
<b>11 41 33 00-0437</b> <b>86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit</b> <small>(11 41 33 00-0418)</small>		
11 41 33 00-0438 EA 18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	878.79	32.76
11 41 33 00-0439 EA 18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,016.75	33.29
11 41 33 00-0440 EA 18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,195.30	33.82
11 41 33 00-0441 EA 18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,373.85	34.34
11 41 33 00-0442 EA 24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,028.33	33.29
11 41 33 00-0443 EA 24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,186.62	33.82
11 41 33 00-0444 EA 24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,394.18	34.34
11 41 33 00-0445 EA 24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,668.45	34.87
<b>11 41 33 00-0446</b> <b>63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit</b> <small>(11 41 33 00-0418)</small>		
11 41 33 00-0447 EA 18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,570.14	32.76
11 41 33 00-0448 EA 18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,739.11	33.29
11 41 33 00-0449 EA 18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,963.65	33.82
11 41 33 00-0450 EA 18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,099.01	34.34
11 41 33 00-0451 EA 24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,887.37	33.29
11 41 33 00-0452 EA 24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,228.97	33.82
11 41 33 00-0453 EA 24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,477.93	34.34
11 41 33 00-0454 EA 24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,850.57	34.87
<b>11 41 33 00-0455</b> <b>74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit</b> <small>(11 41 33 00-0418)</small>		
11 41 33 00-0456 EA 18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,618.70	32.76
11 41 33 00-0457 EA 18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,790.62	33.29
11 41 33 00-0458 EA 18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,019.14	33.82
11 41 33 00-0459 EA 18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,156.80	34.34
11 41 33 00-0460 EA 24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,935.95	33.29
11 41 33 00-0461 EA 24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,277.53	33.82
11 41 33 00-0462 EA 24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,529.23	34.34
11 41 33 00-0463 EA 24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,906.06	34.87
<b>11 41 33 00-0464</b> <b>86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit</b> <small>(11 41 33 00-0418)</small>		
11 41 33 00-0465 EA 18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,667.28	32.76
11 41 33 00-0466 EA 18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,838.26	33.29
11 41 33 00-0467 EA 18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,065.58	33.82
11 41 33 00-0468 EA 18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,202.60	34.34
11 41 33 00-0469 EA 24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,984.51	33.29
11 41 33 00-0470 EA 24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,326.11	33.82
11 41 33 00-0471 EA 24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,576.25	34.34
11 41 33 00-0472 EA 24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,950.63	34.87
<b>11 41 33 00-0473</b> <b>Galvanized Steel Dunnage Rack</b> <small>(11 41 33 00-0001)</small>		
11 41 33 00-0474 EA 18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	248.44	23.56
11 41 33 00-0475 EA 18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	262.10	24.21
11 41 33 00-0476 EA 18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	277.70	24.88
11 41 33 00-0477 EA 18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	306.93	25.53
11 41 33 00-0478 EA 18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	332.25	26.18
11 41 33 00-0479 EA 24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	267.90	23.56
11 41 33 00-0480 EA 24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	293.23	24.21



<b>Equipment</b>	<b>11</b>	
<b>Foodservice Equipment</b>	<b>11 40</b>	11
<b>Foodservice Storage Equipment</b>	<b>11 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0481 EA 24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	308.83	24.88
11 41 33 00-0482 EA 24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	336.12	25.53
11 41 33 00-0483 EA 24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	367.27	26.18
<b>11 41 33 00-0484 Stainless Steel Dunnage Rack</b> <small>(11 41 33 00-0001)</small>		
11 41 33 00-0485 EA 18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack .....	683.21	24.88
11 41 33 00-0486 EA 18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack .....	858.99	25.53
11 41 33 00-0487 EA 18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack .....	1,458.83	26.18
11 41 33 00-0488 EA 24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack .....	748.27	24.88
11 41 33 00-0489 EA 24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack .....	934.32	25.53
11 41 33 00-0490 EA 24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack .....	1,591.80	26.18
<b>11 41 33 00-0491 Mobile Racks</b> <small>(11 41 33 00-0001)</small>		
11 41 33 00-0492 EA Mobile Rack With Pan Slide.....	1,802.28	39.67
<b>11 41 33 00-0493 Can Racks</b> <small>(11 41 33 00-0001)</small>		
11 41 33 00-0494 EA 27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack .....	3,887.86	39.67
Note: 156 #10 cans capacity		
<b>11 42 Food Preparation Equipment</b> <small>(11 40)</small>		
<b>11 42 13 Food Preparation Appliances</b> <small>(11 42)</small>		
<b>11 42 13 00-0001 Vertical Cutter Mixers</b> <small>(11 42 13)</small>		
11 42 13 00-0002 EA Bench Type Mixers, 25 Quart.....	10,557.49	190.55
11 42 13 00-0003 EA Bench Type Mixers, 40 Quart.....	12,201.91	211.73
11 42 13 00-0004 EA Bench Type Mixers, 80 Quart.....	15,148.07	304.90
11 42 13 00-0005 EA Bench Type Mixers, 130 Quart.....	16,915.89	381.12
<b>11 42 13 00-0006 Choppers</b> <small>(11 42 13)</small>		
11 42 13 00-0007 EA Choppers, 5 LB.....	2,640.61	169.39
11 42 13 00-0008 EA Choppers, 16 LB.....	3,875.60	220.20
11 42 13 00-0009 EA Choppers, 35 LB - 40 LB.....	7,516.76	271.01
11 42 13 00-0010 EA Choppers, 35 LB - 40 LB/Min, 2 HP.....	6,243.96	240.78
11 42 13 00-0011 EA Choppers, 35 LB - 40 LB/Min, 3 HP.....	7,086.98	240.78
<b>11 42 13 00-0012 Stand Model Mixer</b> <small>(11 42 13)</small>		
11 42 13 00-0013 EA 10 Quart, 120 Volt, 3/4 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX10) .....	1,280.85	86.77
11 42 13 00-0014 EA 20 Quart, 120 Volt, 1-1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX20) .....	1,597.67	86.77
11 42 13 00-0015 EA 10 Quart, 120 Volt, 1/3 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Globe SP10) .....	4,246.31	86.77
11 42 13 00-0016 EA 20 Quart, 240 Voltage, 1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Stainless Steel Bowl Guard (Hobart HL-200-1) .....	8,968.42	80.46
<b>11 42 13 00-0017 Floor Model Mixer</b> <small>(11 42 13)</small>		
11 42 13 00-0018 EA 30 Quart, 120 Voltage, 1-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX30).....	3,340.20	86.77
11 42 13 00-0019 EA 40 Quart, 240 Voltage, 2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX40).....	4,626.79	96.43
11 42 13 00-0020 EA 60 Quart, 240 Voltage, 2-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX60).....	7,977.50	108.47
11 42 13 00-0021 EA 30 Quart, 240 Voltage, 3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-300-1) .....	17,083.18	80.46
11 42 13 00-0022 EA 40 Quart, 240 Voltage, 1-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-400-1) .....	20,981.09	82.57
11 42 13 00-0023 EA 60 Quart, 220-240 Voltage, 2-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-600-1) .....	26,731.43	84.69
11 42 13 00-0024 EA 80 Quart, 220-240 Voltage, 3 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL800-1).....	39,485.94	105.86
11 42 13 00-0025 EA 140 Quart, 220-240 Voltage, 5 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-1400-1).....	50,578.35	135.51
<b>11 42 13 00-0026 Slicers</b> <small>(11 42 13)</small>		
11 42 13 00-0027 EA 1/3 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL312).....	709.00	27.12
11 42 13 00-0028 EA 1/2 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL512).....	1,035.09	27.12
11 42 13 00-0029 EA 1/2 HP, 13" Medium-Duty Manual Gravity Feed Meat Slicer (Avantco SL713MAN).....	1,493.44	27.12
11 42 13 00-0030 EA 1/2 HP, 12" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL612A).....	2,541.08	27.12
11 42 13 00-0031 EA 3/4 HP, 13" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL713A).....	2,802.99	27.12
11 42 13 00-0032 EA 1/2 HP, 13" Heavy-Duty Automatic Gravity Feed Meat Slicer (Hobart EDGE13A-11).....	6,574.08	27.12
<b>11 42 13 00-0033 Peelers</b> <small>(11 42 13)</small>		
11 42 13 00-0034 EA 22 Lb, 120 Voltage, Potato Peeler (Sammic PI-10).....	3,492.20	137.62

<b>11</b>	<b>Equipment</b>
<b>11 40</b>	<b>Foodservice Equipment</b>
<b>11 42</b>	<b>Food Preparation Equipment</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13 00-0035	EA		44 Lb, 120 Voltage, Potato Peeler (Sammic PI-20) .....	4,029.11	160.49
11 42 13 00-0036	EA		66 Lb, 120 Voltage, Potato Peeler (Sammic PI-30) .....	6,279.94	183.53
11 42 13 00-0037	EA		20 Lb, 115 Voltage, Potato Peeler (Hobart 6115) .....	5,613.38	137.62
11 42 13 00-0038	EA		40 Lb, 115 Voltage, Potato Peeler (Hobart 6430-1) .....	11,419.78	160.49
11 42 13 00-0039	EA		60 Lb, 115 Voltage, Potato Peeler (Hobart 6460-1) .....	12,162.12	183.53
<b>11 42 13 00-0040</b>			<b>Proof Boxes <sup>(11 42 13)</sup></b>		
11 42 13 00-0041	EA		30-1/2" x 22-1/2", Stainless Steel Proof Box .....	3,193.50	67.45
11 42 13 00-0042	EA		30-1/2" x 45", Stainless Steel Proof Box .....	5,343.61	113.04
11 42 13 00-0043	EA		30-1/2" x 45", Galvanized Proof Box .....	3,281.87	51.31
<b>11 42 13 00-0044</b>			<b>Non-Insulated Heated Proof Cabinet <sup>(11 42 13)</sup></b>		
11 42 13 00-0045	EA		Angle Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet .....	2,018.41	64.63
11 42 13 00-0046	EA		Angle Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet .....	2,165.24	69.11
11 42 13 00-0047	EA		Channel Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet .....	2,004.71	64.11
11 42 13 00-0048	EA		Channel Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet .....	2,124.72	67.97
<b>11 42 13 00-0049</b>			<b>Insulated Heated Proof Cabinet <sup>(11 42 13)</sup></b>		
11 42 13 00-0050	EA		3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet .....	3,305.45	124.62
11 42 13 00-0051	EA		3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet .....	3,454.24	130.27
<b>11 42 13 00-0052</b>			<b>Pass-Thru Hot Food Holding Cabinet <sup>(11 42 13)</sup></b>		
11 42 13 00-0053	EA		Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet .....	7,170.02	177.86
11 42 13 00-0054	EA		Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet .....	7,633.72	177.86
11 42 13 00-0055	EA		Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet .....	9,767.05	186.32
11 42 13 00-0056	EA		Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet .....	10,714.28	186.32
<b>11 42 16</b>			<b>Food Preparation Surfaces <sup>(11 42)</sup></b>		
<b>11 42 16 00-0001</b>			<b>Tables <sup>(11 42 16)</sup></b>		
<b>11 42 16 00-0002</b>			<b>Baker's Table <sup>(11 42 16 00-0001)</sup></b>		
11 42 16 00-0003	EA		4' Open Base Baker's Table .....	836.42	55.55
11 42 16 00-0004	EA		10' Open Base Baker's Table .....	1,641.61	108.92
11 42 16 00-0005	EA		10' Undershelf Baker's Table .....	2,025.50	134.41
11 42 16 00-0006	EA		10' Three Drawers Baker's Table .....	2,172.46	144.33
11 42 16 00-0007	EA		10' Bins Baker's Table .....	3,196.27	212.41
11 42 16 00-0008	EA		10' Bins And Drawers Baker's Table .....	5,019.03	333.42
<b>11 42 16 00-0009</b>			<b>Preparation Table, Stainless Steel, With Undershelf <sup>(11 42 16 00-0001)</sup></b>		
11 42 16 00-0010	EA		30" x 72" Square Edge Stainless Steel Preparation Table With Undershelf .....	1,175.36	29.30
11 42 16 00-0011	EA		30" x 72" Marine Edge Stainless Steel Preparation Table With Undershelf .....	1,266.28	35.18
11 42 16 00-0012	EA		36" x 96" Marine Edge Stainless Steel Preparation Table With Undershelf .....	1,914.59	47.82
<b>11 42 16 00-0013</b>			<b>Preparation Table, Stainless Steel, With Open Front <sup>(11 42 16 00-0001)</sup></b>		
11 42 16 00-0014	EA		30" X 72" Round Edge Stainless Steel Preparation Table With Open Front .....	1,237.59	30.82
11 42 16 00-0015	EA		36" X 96" Round Edge Stainless Steel Preparation Table With Open Front .....	1,590.66	39.65
11 42 16 00-0016	EA		36" X 96" Square Edge Stainless Steel Preparation Table With Open Front .....	1,366.37	34.10
11 42 16 00-0017	EA		36" X 96" Marine Edge Stainless Steel Preparation Table With Open Front .....	1,644.67	41.06
11 42 16 00-0018	EA		Roller Utility Drawers Stainless Steel Preparation Table With Open Front .....	332.25	8.27
<b>11 42 16 00-0019</b>			<b>Mobile Tables <sup>(11 42 16 00-0001)</sup></b>		
11 42 16 00-0020	EA		21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top .....	3,154.15	26.25
11 42 16 00-0021	EA		32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top .....	1,702.10	31.48
11 42 16 00-0022	EA		32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top .....	1,416.25	35.40
<b>11 42 16 00-0023</b>			<b>Hot Food Tables, Stainless Steel, Gas Or Electric <sup>(11 42 16 00-0001)</sup></b>		
11 42 16 00-0024	EA		32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables .....	2,529.40	63.18
11 42 16 00-0025	EA		32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables .....	2,051.66	51.20
11 42 16 00-0026	EA		Full Size Pan With Cover Stainless Steel Hot Food Tables .....	170.29	4.25
11 42 16 00-0027	EA		Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables .....	249.16	6.21
11 42 16 00-0028	EA		58-1/2", 4 Openings Stainless Steel Hot Food Tables .....	4,984.99	105.64
11 42 16 00-0029	EA		114-1/2", 8 Openings Stainless Steel Hot Food Tables .....	9,917.23	210.77
<b>11 42 16 00-0030</b>			<b>Basic Table <sup>(11 42 16 00-0001)</sup></b>		
11 42 16 00-0031	LF		Table, Basic .....	277.69	22.05
<b>11 42 16 00-0032</b>			<b>Table With Sink <sup>(11 42 16)</sup></b>		



<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	11
Food Preparation Equipment	11 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 42 16 00-0033	LF		Table With Sink.....	348.17	40.21
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**11 42 23 Food Preparation Scullery Sinks (11 42)**

**11 42 23 00-0001**

**Stainless Steel Scullery Sinks (11 42 23)**

Note: Excludes faucet. See CSI section 22 42 39 00-0071 for service sink faucets.

11 42 23 00-0002	EA		Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drainboard.....	2,406.09	168.74
			<i>For Additional Drain Board, Add</i>	221.33	
11 42 23 00-0003	EA		Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drainboard.....	3,396.83	192.84
			<i>For Additional Drain Board, Add</i>	315.58	
11 42 23 00-0004	EA		Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drainboard.....	4,499.06	192.84
			<i>For Additional Drain Board, Add</i>	420.98	
11 42 23 00-0005	EA		Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drainboard.....	6,439.54	192.84
			<i>For Additional Drain Board, Add</i>	605.39	
11 42 23 00-0006	EA		Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drainboard.....	3,997.04	192.84
11 42 23 00-0007	EA		Stainless Steel Scullery Sink 33-1/2" W x 66" L, Triple Compartment.....	7,205.54	367.45
			Note: 6" backsplash with 45 degree return angle, rolled edges. Separated tubs to maintain water temperature.		
11 42 23 00-0008	EA		Stainless Steel Scullery Sink 33" W x 99" L, Triple Compartment.....	7,074.08	373.63
			Note: With left and right table drainboard extensions and 6" backsplash with 45 degree return angle, rolled edges. Separated tubs to maintain water temperature.		
11 42 23 00-0009	EA		Stainless Steel Scullery Sink 33-1/2" W x 82-1/2" L, Triple Compartment.....	6,769.93	373.63
			Note: With left or right table drainboard extensions and 6" backsplash with 45 degree return angle, rolled edges. Separated tubs to maintain water temperature.		
11 42 23 00-0010	EA		Stainless Steel Scullery Sink 23-1/2" W x 21" L, Single Compartment.....	3,545.82	204.98
			Note: 6" backsplash with 45 degree return angle, rolled edges.		
11 42 23 00-0011	EA		Stainless Steel Scullery Sink 23-1/2" W x 36-1/2" L, Single Compartment.....	3,824.20	204.98
			Note: With left or right 18" table drainboard extension and 6" backsplash with 45 degree return angle, rolled edges.		
11 42 23 00-0012	EA		Stainless Steel Scullery Sink 23-1/2" W x 42-1/2" L, Single Compartment.....	3,991.74	204.98
			Note: With left or right 24" table drainboard extension and 6" backsplash with 45 degree return angle, rolled edges.		

**11 44 Food Cooking Equipment (11 44)**

**11 44 13 Commercial Ranges (11 44)**

**11 44 13 00-0001**

**Range (11 44 13)**

11 44 13 00-0002	EA		Heavy Duty Range, With 34" Open Top Oven.....	3,153.26	84.69
11 44 13 00-0003	EA		Range With Fry Top.....	3,153.26	84.69
11 44 13 00-0004	EA		Steel Finish Fry Top.....	6,816.36	126.87
11 44 13 00-0005	EA		Stainless Top Only Fry Top.....	6,814.02	125.42
11 44 13 00-0006	EA		Stainless Top And 2 Sides Fry Top.....	7,873.26	146.03
11 44 13 00-0007	EA		Gas Range, Vulcan #260L.....	7,091.07	130.10
			Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel plated oven racks.		
11 44 13 00-0008	EA		48" Range With Casters (Vulcan 48C-4B24GN).....	14,496.11	79.34

**11 44 16 Commercial Ovens (11 44)**

**11 44 16 00-0001**

**Bake Oven (11 44 16)**

11 44 16 00-0002	EA		55", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836).....	17,654.10	377.74
11 44 16 00-0003	EA		55", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836).....	17,654.10	377.74
11 44 16 00-0004	EA		74", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736).....	23,901.08	377.74
11 44 16 00-0005	EA		74", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736).....	23,901.08	377.74
11 44 16 00-0006	EA		55", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836).....	34,107.93	431.71
11 44 16 00-0007	EA		55", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836).....	34,107.93	431.71

**11 44 16 00-0008**

**Rapid-Cook Countertop Bake Ovens (11 44 16)**

11 44 16 00-0009	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Control, Stainless Steel Countertop Oven (TurboChef ECS-9500-1).....	9,725.68	19.84
11 44 16 00-0010	EA		800 To 2,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Control, Stainless Steel Classic Countertop Oven (MerryChef E1SM).....	5,767.23	19.84
11 44 16 00-0011	EA		4,700 Watts, 208/240 Volt, 1.2 CF, Rapid Cook Type, Touchscreen Control, Stainless Steel Countertop Oven (MerryChef E3-1330-H).....	4,540.48	19.84
11 44 16 00-0012	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop High-Speed Oven (TurboChef ECO-9500-1).....	6,928.23	19.84
11 44 16 00-0013	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Black (TurboChef ECO-9500-5).....	7,211.15	19.84
11 44 16 00-0014	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Red (TurboChef ECO-9500-2).....	7,211.15	19.84
11 44 16 00-0015	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Blue (TurboChef ECO-9500).....	7,211.15	19.84
11 44 16 00-0016	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Green (TurboChef ECO-9500).....	7,211.15	19.84
11 44 16 00-0017	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven, White (TurboChef ECO-9500).....	7,211.15	19.84
11 44 16 00-0018	EA		1,600 To 1,700 Watts, 208/240 Volt, 1.05 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven (TurboChef NGC-1280-1).....	13,424.71	19.84

<b>11</b>	<b>Equipment</b>
<b>11 40</b>	<b>Foodservice Equipment</b>
<b>11 44</b>	<b>Food Cooking Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0019 EA 6,200 Watts, 208/240 Volt, 1.304 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E4S).....	12,445.66	19.84
11 44 16 00-0020 EA 4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Ventless Countertop Oven (Amana JET19V).....	6,642.97	19.84
11 44 16 00-0021 EA 3,200 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Countertop Oven (Amana JET14).....	5,427.96	19.84
11 44 16 00-0022 EA 4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven (Amana JET19).....	5,903.40	19.84
11 44 16 00-0023 EA 6,200 Watts, 208/240 Volt, 0.78 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef ENC-9600-601).....	14,129.06	19.84
11 44 16 00-0024 EA 5,700 Watts, 208/240 Volt, 1.38 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven With Teflon® Coating And Touch Screen Display (Amana MXP22TLT).....	12,612.35	19.84
11 44 16 00-0025 EA 1,000 To 2,200 Watts, 208/240 Volt, 0.58 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E2S STANDARD CLASSIC).....	8,818.24	19.84
11 44 16 00-0026 EA 9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5).....	17,757.64	19.84
11 44 16 00-0027 EA 9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5).....	17,757.64	19.84
11 44 16 00-0028 EA 9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5 Touch).....	18,415.04	19.84
11 44 16 00-0029 EA 11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5-9500-414-DL).....	18,415.04	19.84
11 44 16 00-0030 EA 1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX1).....	9,759.73	19.84
11 44 16 00-0031 EA 5,000 Watts, 208/240 Volt, 1.45 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef HHB-8603-1).....	9,725.68	19.84
11 44 16 00-0032 EA 6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef I1-9500-400).....	11,865.74	19.84
11 44 16 00-0033 EA 4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Countertop Oven (TurboChef I1-9500-104).....	10,334.95	19.84
11 44 16 00-0034 EA 6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen, Countertop Oven With Panini Press (TurboChef PANINI).....	11,548.78	19.84
11 44 16 00-0035 EA 6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven With Panini Press (TurboChef PANINI TOUCH).....	12,111.09	19.84
11 44 16 00-0036 EA 4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven With Touch Controls (TurboChef SOTA SNGL MAG TOUCH).....	10,722.34	19.84
11 44 16 00-0037 EA 6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER).....	13,037.31	19.84
11 44 16 00-0038 EA 6,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER TCH).....	13,618.40	19.84
11 44 16 00-0039 EA 2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX2).....	10,287.99	19.84
11 44 16 00-0040 EA 2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX1 BLACK).....	9,877.12	19.84
11 44 16 00-0041 EA 2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX1 RED).....	9,877.12	19.84
11 44 16 00-0042 EA 1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX2 BLACK).....	10,405.38	19.84
11 44 16 00-0043 EA 1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX2 RED).....	10,405.38	19.84
11 44 16 00-0044 EA 4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Powder Coated, Countertop Oven (TurboChef I1-9500-1).....	11,308.13	19.84
11 44 16 00-0045 EA 8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3).....	15,153.89	19.84
11 44 16 00-0046 EA 8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3).....	15,153.89	19.84
11 44 16 00-0047 EA 8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch).....	15,787.81	19.84
11 44 16 00-0048 EA 8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch).....	15,787.81	19.84
11 44 16 00-0049 EA 10,720/12,480 Watts, 208/240 Volt, 1.18 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Double Batch Ventless Countertop Oven (TurboChef HDD-9500-1).....	14,204.19	19.84
11 44 16 00-0050 EA 5,616 Watts, 208/240 Volt, 0.99 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Single Batch Ventless Countertop Oven (TurboChef HHS-9500-1).....	10,675.39	19.84
<b>11 44 16 00-0051</b> <b>Combination Ovens</b> <small>(11 44 16)</small> Note: Convection, steam and combination modes.		
11 44 16 00-0052 EA 35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven.....	23,385.81	148.21
11 44 16 00-0053 EA 35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven.....	38,396.82	169.39
11 44 16 00-0054 EA 35.4" x 34" x 36.8" Half Size Electric Boilerless Combination Oven.....	31,707.47	169.39
11 44 16 00-0055 EA 35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven.....	76,607.14	211.73
11 44 16 00-0056 EA 35.4" x 34" x 70.4" Half Size Electric Boilerless Combination Oven.....	58,137.28	211.73
<b>11 44 16 00-0057</b> <b>Countertop Electric Convection Type Ovens</b> <small>(11 44 16)</small>		
11 44 16 00-0058 EA 1,440 Watts, 120 Volt, 0.8 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Quarter Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-14).....	290.57	9.92
11 44 16 00-0059 EA 1,600 Watts, 120 Volt, 1.5 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-16).....	474.55	9.92
11 44 16 00-0060 EA 2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Half Size, Stainless Steel Countertop Electric Convection Oven (Avantco CO-28).....	560.23	9.92
11 44 16 00-0061 EA 2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 550 Degrees Fahrenheit Temperature Range, 2.3 CF, One Glass Door, Half Size, Stainless Steel Countertop Electric Convection Oven With Steam Injection (Avantco CO-32).....	722.67	9.92



<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	11
Food Cooking Equipment	11 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0062 EA 3,500 To 4,600 Watts, 208-240 Volt, 4.4 CF, 550 Degrees Fahrenheit, Two Glass Doors, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Avantco CO-38).....	1,318.30	9.92
11 44 16 00-0063 EA 3,500 To 4,600 Watts, 208 To 240 Volt, 4.4 CF, 150 To 550 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Full Size, Stainless Steel Countertop Electric Cooky Type Convection Oven With Steam Injection (Avantco CO-46).....	1,534.89	9.92
11 44 16 00-0064 EA 1,440 Watts, 120 Volt, 0.8 CF, 500 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Quarter Size, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3Q).....	258.08	9.92
11 44 16 00-0065 EA 1,600 Watts, 120 Volt, 1.5 CF, 500 Degrees Fahrenheit, One Glass Door, Half Size, Dial Control, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3H).....	431.35	9.92
11 44 16 00-0066 EA 1,700 Watts, 120 Volt, 27-15/16" Length x 23-5/8" Width x 24" Height, 200 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Stainless Steel 4 Pan Electric Countertop Convection Oven (Global Solutions GS1110-17).....	1,241.46	9.92
11 44 16 00-0067 EA 1,400 Watts, 120 Volt, 1.19 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40703).....	1,128.94	9.92
11 44 16 00-0068 EA 2,400 Watts, 230 Volt, 1.9 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40701).....	1,536.84	9.92
11 44 16 00-0069 EA 5,600 Watts, 230 Volt, 4.27 CF, 150 - 570 Degrees Fahrenheit Temperature Range, 1 Glass Door, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Vollrath 40702).....	2,495.57	9.92
<b>11 44 16 00-0070 Electric Convection Type Ovens (11 44 16)</b>		
11 44 16 00-0071 EA 11 kW, 240 Volt, Two Glass Doors, 41-1/2" x 38-1/8" x 54-1/8", Single Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC-100).....	3,541.15	39.68
11 44 16 00-0072 EA 22 kW, 240 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200DK).....	7,023.60	79.34
11 44 16 00-0073 EA 22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200CK).....	7,023.60	79.34
11 44 16 00-0074 EA 22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200EK).....	7,023.60	79.34
11 44 16 00-0075 EA 22 kW, 208 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200BK).....	7,023.60	79.34
11 44 16 00-0076 EA 24 kW, 208 Volt, 3 Phase, Four Glass Doors, 40" x 40-1/8" x 68-13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/3).....	11,587.65	79.34
11 44 16 00-0077 EA 12 kW, 208 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/3).....	5,793.81	39.68
11 44 16 00-0078 EA 12 kW, 240 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/1).....	5,793.81	39.68
11 44 16 00-0079 EA 12.5 kW, 208 Volt, 3 Phase, Two Glass Doors, 41-1/8" x 40-1/4" x 54-3/4", Single Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC4ED-11D1 208/3).....	6,358.48	39.68
11 44 16 00-0080 EA 12 kW, 208 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/1).....	5,793.81	39.68
11 44 16 00-0081 EA 12 kW, 240 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 24", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/3).....	5,793.81	39.68
11 44 16 00-0082 EA 25 kW, 208 Volt, 3 Phase, Four Glass Doors, 41-1/8" x 40" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC44ED-208/3).....	12,716.99	79.34
11 44 16 00-0083 EA 11 kW, 220/240 Volt, 1 Phase, Two Glass Doors, 36-7/8" x 38-1/4" x 57", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Blodgett SHO-100-E).....	5,409.84	39.68
11 44 16 00-0084 EA 22 kW, 208 Volt, 3 Phase, Four Glass Doors, 36-7/8" x 38-1/4" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Blodgett SHO-100-E).....	10,819.69	79.34
11 44 16 00-0085 EA 24 kW, 208 Volt, 1 Phase, Four Glass Doors, 40" x 40-1/8" x 68 13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/1).....	11,587.65	79.34
11 44 16 00-0086 EA 21 kW, 208 Volt, 1 Phase, Four Glass Doors, 46" x 40" x 74-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Bakers Pride BPCV-E2 208/1).....	14,657.73	79.34
<b>11 44 16 00-0087 Natural Gas Convection Type Ovens (11 44 16)</b>		
11 44 16 00-0088 EA 54,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC100N).....	3,903.29	39.68
11 44 16 00-0089 EA 108,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC200N).....	7,741.73	79.34
11 44 16 00-0090 EA 100,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Solid State Controls (Vulcan VC44GD-NAT).....	13,348.75	79.34
11 44 16 00-0091 EA 100,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Vulcan VC55GD).....	12,783.22	79.34
11 44 16 00-0092 EA 100,000 BTU, 500 Degrees Fahrenheit, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G).....	11,934.93	79.34
11 44 16 00-0093 EA 50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven with Solid State Controls And Legs (Vulcan VC4GD-11D150K).....	6,674.36	39.68
11 44 16 00-0094 EA 120,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G).....	6,753.72	79.34
11 44 16 00-0095 EA 120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Analog Controls (Garland MCO-GS-20S).....	18,653.04	79.34
11 44 16 00-0096 EA 50,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G).....	5,967.46	39.68
11 44 16 00-0097 EA 100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G-ES).....	16,359.34	79.34
11 44 16 00-0098 EA 120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Digital Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Digital Controls (Garland MCO-GS-20).....	24,309.96	79.34

<b>11</b>	<b>Equipment</b>
<b>11 40</b>	<b>Foodservice Equipment</b>
<b>11 44</b>	<b>Food Cooking Equipment</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0099	EA		120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Garland MCO-GS-20-ESS).....	18,653.04	79.34
11 44 16 00-0100	EA		100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Standard Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-100-G) .....	15,278.19	79.34
11 44 16 00-0101	EA		90,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett BDO-100-G-ES).....	13,598.24	79.34
11 44 16 00-0102	EA		50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Vulcan VC5GDN) .....	6,391.60	39.68
<b>11 44 16 00-0103</b>			<b>Broiler, Without Oven</b> <small>(11 44 16)</small>		
11 44 16 00-0104	EA		69" x 26" x 39" Broiler Without Oven.....	8,844.28	135.51
11 44 16 00-0105	EA		Conveyor Broiler .....	7,830.76	157.27
<b>11 44 16 00-0106</b>			<b>Oven Stands</b> <small>(11 44 16)</small>		
11 44 16 00-0107	EA		Stationary Oven Stand (Rational 60.30.334 US III UltraVent® Stationary Oven Stand).....	1,861.46	
<b>11 44 16 00-0108</b>			<b>Triple Conveyor Oven</b> <small>(11 44 16)</small>		
11 44 16 00-0109	EA		30 kW, 208 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3).....	49,385.06	158.70
			Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range		
11 44 16 00-0110	EA		30 kW, 240 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3).....	49,385.06	158.70
			Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range		
11 44 16 00-0111	EA		22 kW, 208 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	100,814.58	158.70
			Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0112	EA		22 kW, 220 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	91,297.22	158.70
			Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0113	EA		22 kW, 240 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	91,297.22	158.70
			Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0114	EA		330,000 BTU, Natural Gas, Three Door, Triple Conveyor, Low Profile FastBake Stainless Steel, Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) .....	100,814.58	158.70
			Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0115	EA		330,000 BTU, Liquid Propane, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) .....	100,814.58	158.70
			Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
<b>11 44 16 00-0116</b>			<b>Rotary Deck Pizza Oven</b> <small>(11 44 16)</small>		
11 44 16 00-0117	EA		90,000 BTU, 2 Deck, 38.6" Diameter Rotary Deck Pizza Oven (Sierra Range Volare) .....	36,632.82	79.34
<b>11 44 19</b>			<b>Commercial Cooking Equipment</b> <small>(11 44)</small>		
<b>11 44 19 00-0001</b>			<b>Drop-In Electric Griddle</b> <small>(11 44 19)</small>		
11 44 19 00-0002	EA		24" Wide x 24" Deep, Drop-In Electric Griddle.....	4,067.81	116.46
11 44 19 00-0003	EA		36" Wide x 24" Deep, Drop-In Electric Griddle.....	5,805.29	116.46
11 44 19 00-0004	EA		48" Wide x 24" Deep, Drop-In Electric Griddle.....	6,646.96	127.04
11 44 19 00-0005	EA		60" Wide x 24" Deep, Drop-In Electric Griddle.....	7,963.87	127.04
11 44 19 00-0006	EA		72" Wide x 24" Deep, Drop-In Electric Griddle.....	10,217.59	137.62
<b>11 44 19 00-0007</b>			<b>Countertop Griddle</b> <small>(11 44 19)</small>		
11 44 19 00-0008	EA		16", 120 Voltage, 1750 Watt, Electric Countertop Griddle (Avantco EG16N) .....	527.66	137.39
11 44 19 00-0009	EA		24", 208/240 Voltage, 2675 To 3560 Watt, Electric Countertop Griddle (Avantco EG24N) .....	659.66	137.39
11 44 19 00-0010	EA		30", 208/240 Voltage, 3375 To 4500 Watt, Electric Countertop Griddle (Avantco EG30N) .....	736.66	137.39
11 44 19 00-0011	EA		36", 208/240 Voltage, 7488 To 10080 Watt, Electric Countertop Griddle (Avantco EG36N) .....	933.57	137.39
11 44 19 00-0012	EA		24", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40716) .....	1,015.52	137.39
11 44 19 00-0013	EA		36", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40717) .....	1,309.55	137.39
<b>11 44 19 00-0014</b>			<b>Panini Sandwich Grill</b> <small>(11 44 19)</small>		
11 44 19 00-0015	EA		3,500 Watts, 120 Volt, Double Commercial Panini Sandwich Grill With Smooth Plates (Avantco P85S) .....	546.39	79.34
11 44 19 00-0016	EA		1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Plates (Avantco P78) .....	419.27	79.34
11 44 19 00-0017	EA		1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Smooth Plates (Avantco P70S) .....	419.27	79.34
11 44 19 00-0018	EA		1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Top and Smooth Bottom Plates (Avantco P75SG).....	419.27	79.34
11 44 19 00-0019	EA		2,392 Watts, 208 Volt, Panini Perfetto Grooved Top And Bottom Panini Sandwich Grill (Waring WPG150B) .....	856.38	79.34
<b>11 44 19 00-0020</b>			<b>Electric Countertop Fryer, With Submerger</b> <small>(11 44 19)</small>		
11 44 19 00-0021	EA		30 LB Capacity, 208-240 Volt, Two Basket, Countertop Deep Fryer (Avantco F202).....	837.55	79.34
11 44 19 00-0022	EA		30 LB Capacity, 208-240 Volt, Four Basket, Commercial Countertop Deep Fryer (Vollrath 40710).....	1,833.38	79.34
11 44 19 00-0023	EA		30 LB Capacity, 240 Volt, Two Basket, Countertop Electric Deep Fryer (Garland E24-31F).....	6,809.43	79.34





<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	11
Food Cooking Equipment	11 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 44 19 00-0024 Electric Floor Fryer, With Submerger</b> <small>(11 44 19)</small>		
11 44 19 00-0025 EA 50 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	6,426.91	169.39
11 44 19 00-0026 EA 50 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	6,749.58	169.39
11 44 19 00-0027 EA 85 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	21,694.39	220.20
11 44 19 00-0028 EA 85 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	22,223.90	220.20
<b>11 44 19 00-0029 Kettles, Steam Jacketed</b> <small>(11 44 19)</small>		
11 44 19 00-0030 EA 5 Gallon Kettle, With Stand.....	4,928.30	78.06
11 44 19 00-0031 EA 20 Gallon Kettle With Steam Jacket .....	17,137.91	104.08
11 44 19 00-0032 EA 40 Gallon Kettle With Steam Jacket .....	17,711.91	114.49
11 44 19 00-0033 EA 60 Gallon Kettle With Steam Jacket .....	21,452.51	124.89
<b>11 44 19 00-0034 Steamers, Electric</b> <small>(11 44 19)</small>		
<b>11 44 19 00-0035 Cooking Equipment/ Steamers</b> <small>(11 44 19 00-0034)</small>		
11 44 19 00-0036 EA 3 Pan, Electric Countertop Convection Steamer.....	8,847.39	177.86
11 44 19 00-0037 EA 5 Pan, Electric Countertop Convection Steamer.....	11,674.65	186.32
11 44 19 00-0038 EA 3 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	8,179.95	177.86
11 44 19 00-0039 EA 5 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	11,962.84	186.32
<b>11 44 19 00-0040 Braising Pans</b> <small>(11 44 19)</small>		
11 44 19 00-0041 EA 24" x 24", 240 Volt, Tilting Braising Pan.....	10,534.57	181.42
11 44 19 00-0042 EA 24" x 31", 240 Volt, Tilting Braising Pan.....	11,117.15	190.78
11 44 19 00-0043 EA 24" x 41", 240 Volt, Tilting Braising Pan.....	11,840.60	203.16
11 44 19 00-0044 EA 24" x 24", 62,000 BTU/Hour, Tilting Braising Pan.....	13,733.07	236.57
11 44 19 00-0045 EA 24" x 31", 90,000 BTU/Hour, Tilting Braising Pan.....	14,201.22	243.86
11 44 19 00-0046 EA 24" x 41", 120,000 BTU/Hour, Tilting Braising Pan.....	14,754.72	250.32
<b>11 44 19 00-0047 Toasters</b> <small>(11 44 19)</small>		
11 44 19 00-0048 EA Bun Toaster 3.2 KW .....	2,092.37	42.48
11 44 19 00-0049 EA Bun Toaster 4.3 KW .....	2,283.57	46.30
11 44 19 00-0050 EA Pop-Up Toaster, 2 Slot .....	530.24	91.72
11 44 19 00-0051 EA Conveyor Toaster .....	917.05	137.62
<b>11 44 19 00-0052 Microwave Ovens</b> <small>(11 44 19)</small>		
11 44 19 00-0053 EA 120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Dial Controls (Galaxy MW1000PD).....	201.61	9.92
11 44 19 00-0054 EA 120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Push Button Controls (Galaxy MW1000PB).....	221.80	9.92
11 44 19 00-0055 EA 120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Stainless Steel Commercial Microwave With Push Button Controls (Solwave MW1000SS).....	289.13	9.92
11 44 19 00-0056 EA 120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13-1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112D) .....	369.92	9.92
11 44 19 00-0057 EA 120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13 1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112T).....	464.17	9.92
11 44 19 00-0058 EA 120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwave With Dial Controls (Solwave RMS10DS) .....	289.13	9.92
11 44 19 00-0059 EA 120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwaves With Push Button Controls (Amana RMS10TS) .....	338.28	9.92
11 44 19 00-0060 EA 120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-3/4" Height, Medium Volume, Stainless Steel Commercial Microwave (Amana RCS10DSE).....	601.53	9.92
11 44 19 00-0061 EA 120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-7/8" Height, Stackable, Commercial Microwave With Push Button Controls (Amana RCS10TS).....	734.84	9.92
11 44 19 00-0062 EA 120 Volt, 1,000 Watt, 21-5/8" Length x 16-1/2" Width x 13-1/2" Height, Stainless Steel, Heavy Duty Commercial Microwave With Push Button Controls (Amana HDC12A2).....	1,546.78	9.92
11 44 19 00-0063 EA 120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Manual Controls (Vollrath 40830).....	423.52	9.92
11 44 19 00-0064 EA 120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Digital Controls (Vollrath 40819).....	578.71	9.92
11 44 19 00-0065 EA 120 Volt, 1,000 Watt, 17" Length x 20" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Waring WMO90).....	443.99	9.92
11 44 19 00-0066 EA 120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Panasonic NE-1054F).....	390.13	9.92
11 44 19 00-0067 EA 120 Volt, 1,000 Watt, 16-3/8" Length x 20-1/8" Width x 12" Height, Stainless Steel Microwave With Programmable Memory Pads (Panasonic NE-1064F).....	759.07	9.92
11 44 19 00-0068 EA 120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel Commercial Microwave With Dial Timer (Panasonic NE-1025).....	349.74	9.92
11 44 19 00-0069 EA 120 Volt, 1,200 Watt, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Stainless Steel Commercial Microwave With Programmable Menu And Auto Cool Down (Solwave MW1200T) .....	732.14	9.92
11 44 19 00-0070 EA 120 Volt, 1,200 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, See-through Door, USB Port, Commercial Heavy Duty Stainless Steel Microwave (Solwave MWHD12) .....	812.93	9.92
11 44 19 00-0071 EA 120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 15 Integrated Power Levels, See-through Door, Stainless Steel, Commercial, Medium Duty, Microwave With 90 Programmable Menu Pads (Panasonic NE-12523).....	1,366.35	9.92
11 44 19 00-0072 EA 120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, Programmable, 15 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Panasonic NE-12521) .....	1,268.05	9.92

**11 Equipment**  
**11 40 Foodservice Equipment**  
**11 44 Food Cooking Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0073	EA		120 Volt, 2,000 Watt, 21" Length x 21-3/4" Width x 14-3/8" Height, 4 Cooking Stages, 5 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Amana RFS12TS).....	1,492.92	9.92
11 44 19 00-0074	EA		208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 3-Stage Cooking, See-through Door, Stainless Steel, Commercial Microwave With LCD Display (Panasonic NE-17521).....	1,398.67	9.92
11 44 19 00-0075	EA		208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13" Height, LCD Display With Digital Countdown, Stainless Steel, Commercial Microwave With 90 Programmable Memory Pads (Panasonic NE-17523).....	1,571.02	9.92
11 44 19 00-0076	EA		208/230-240 Volt, 2,100 Watt, 20-3/4" Length x 25-9/16" Width x 18-9/16" Height, Sonic Steamer, Stainless Steel, Commercial Microwave With 8 Programmable Memory Pads (Panasonic NE-2180).....	4,243.17	9.92
11 44 19 00-0077	EA		208/230-240 Volt, 3,200 Watt, 20-3/4" Length x 25-9/16" Width x 18-5/8" Height, Sonic Steamer, See-through Door, Stainless Steel, Commercial Microwave With 3-stage Cook (Panasonic NE-3280).....	5,624.69	9.92
11 44 19 00-0078	EA		208/230 Volt, 1,800 Watt, 20-1/4" Length x 21-3/4" Width x 14-1/4" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Amana RFS18TS).....	1,752.80	9.92
11 44 19 00-0079	EA		208/230 Volt, 2,200 Watt, 23-1/2" Length x 25-5/8" Width x 18-5/8" Height, Stainless Steel, Heavy Duty, 2 Pan Programmable Microwave (Amana AMSO22).....	5,473.21	9.92
11 44 19 00-0080	EA		208/230 Volt, 2,400 Watt, 19-3/16" Length x 13-5/8" Width x 17-5/8" Height, 11 Power Levels, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana AOC24).....	3,376.69	9.92
11 44 19 00-0081	EA		208/240 Volt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, Space Saver, USB Port, Stainless Steel, Commercial, Heavy Duty Microwave (Solwave MWH18).....	907.19	9.92
11 44 19 00-0082	EA		208/240 Volt, 2,100 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Stackable, Commercial Microwave With Push Button Controls (Solwave MW2100T).....	961.05	9.92
11 44 19 00-0083	EA		208/240 Volt, 2,100 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 15 Power Levels, USB Port, Space Saver, Stainless Steel, Heavy Duty, Commercial Microwave With Push Button Controls (Solwave MWH21).....	1,028.38	9.92
11 44 19 00-0084	EA		208/240 Volt, 1,700 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, See-through Door, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC17S2).....	2,479.91	9.92
11 44 19 00-0085	EA		208/240 Volt, 1,800 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Commercial Microwave With Push Button Controls (Solwave MW1800T).....	826.40	9.92
11 44 19 00-0086	EA		208/240 Volt, 1,800 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana HDC182).....	1,813.39	9.92
11 44 19 00-0087	EA		208/240 Volt, 1,800 Watt, 31-5/8" Length x 16-1/2" Width x 13-1/3" Height, Stainless Steel Commercial, Heavy Duty Microwave With Push Button Controls, Canadian Use Only (Amana HDC1815).....	1,825.51	9.92
11 44 19 00-0088	EA		208/240 Volt, 1,800 Watt, 20-3/4" Length x 22-3/5" Width x 14-1/2" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Waring WMO120).....	1,702.98	9.92
11 44 19 00-0089	EA		208/240 Volt, 2,100 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, 11 Integrated Power Levels, Stainless Steel, Commercial, Heavy Duty Microwave (Amana HDC212).....	1,898.22	9.92
11 44 19 00-0090	EA		208/240 Volt, 2,100 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 5 Cooking Stages, Half-size Pans, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Panasonic NE-21521).....	1,716.44	9.92
11 44 19 00-0091	EA		208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC22S2).....	3,097.96	9.92
11 44 19 00-0092	EA		208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC30S2).....	4,067.45	9.92
11 44 19 00-0093			<b>Ceramic Broiler On Storage Base With Doors</b> <small>(11 44 19)</small>		
11 44 19 00-0094	EA		Standard Finish Ceramic Boiler On Storage Base With Doors.....	8,680.20	148.73
11 44 19 00-0095	EA		Stainless Steel Front Ceramic Boiler On Storage Base With Doors.....	8,680.20	148.73
11 44 19 00-0096	EA		Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors.....	10,788.13	185.68
11 44 19 00-0097			<b>Gas Countertop Hot Plate</b> <small>(11 44 19)</small>		
11 44 19 00-0098	EA		2 Burners Gas Countertop Hot Plate.....	1,106.63	18.94
11 46			<b>Food Dispensing Equipment</b> <small>(11 40)</small>		
11 46 13			<b>Bar Equipment</b> <small>(11 46)</small>		
11 46 13 00-0001			<b>Soft Serve Machines</b> <small>(11 46 13)</small>		
11 46 13 00-0002	EA		Soft Serve Machines, Medium.....	11,974.40	100.10
11 46 13 00-0003	EA		Soft Serve Machines, Large.....	20,211.53	122.30
11 46 13 00-0004			<b>Salad Bars</b> <small>(11 46 13)</small>		
11 46 13 00-0005	EA		96" Refrigerated Salad Bar With Light 54" Height.....	18,041.16	403.31
11 46 13 00-0006	EA		96" Refrigerated Salad Bar Without Light 54" Height.....	16,512.17	403.31
11 46 13 00-0007	EA		96" Iced Salad Bar Without Light 54" Height.....	11,677.14	221.59
11 46 13 00-0008	EA		79" Iced Salad Bar Without Light 54" Height.....	9,227.88	182.04
11 46 13 00-0009	EA		79" Refrigerated Salad Bar Without Light 54" Height.....	14,029.38	267.07
11 46 13 00-0010	EA		114" Iced Salad Bar 34" Height.....	15,514.62	236.57
11 46 13 00-0011	EA		Salad Bar Tray Fixed.....	1,507.40	40.07
11 46 13 00-0012	EA		Salad Bar Tray Hinged.....	1,604.21	40.07
11 46 16			<b>Service Line Equipment</b> <small>(11 46)</small>		
11 46 16 00-0001			<b>Food Warmer Holding Station</b> <small>(11 46 16)</small>		
11 46 16 00-0002	EA		Food Warmer Station And Heat Lamp.....	773.10	15.68
11 46 16 00-0003			<b>Reach-In Food Warmers</b> <small>(11 46 16)</small>		
11 46 16 00-0004	EA		One Drawer, 16 Roll Capacity Food Warmer.....	1,663.64	33.76
11 46 16 00-0005	EA		Three Drawer, 36 Roll Capacity Food Warmer.....	3,807.14	77.34



<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	11
Food Dispensing Equipment	11 46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 46 16 00-0006</b> <b>Countertop Food Warmer</b> <small>(11 46 16)</small>		
11 46 16 00-0007 EA 12" x 20", 1500 Watt, 120 Voltage, Full Size Electric Countertop Food Cooker / Warmer (Avantco W50CKR).....	175.17	27.12
11 46 16 00-0008 EA 12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer (Avantco W50).....	153.03	27.12
11 46 16 00-0009 EA 12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Topping Station With 1 Condiment Pump And (1) 7 Quart Inset With Lid And Ladle (Avantco WK12007PL) .....	477.55	27.12
11 46 16 00-0010 EA 12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Soup Station With 3 Insets, 3 Covers, And 3 (3 Ounce) Ladles (Avantco WK12004X3).....	328.53	27.12
<b>11 46 16 00-0011</b> <b>Hot Cabinets With Top Wells Electric</b> <small>(11 46 16)</small>		
11 46 16 00-0012 EA 2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric .....	8,877.56	148.73
11 46 16 00-0013 EA 3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric.....	12,683.38	213.16
<b>11 46 16 00-0014</b> <b>Portable Hot Food Units</b> <small>(11 46 16)</small>		
11 46 16 00-0015 EA 46" Wide x 28" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 37030).....	4,965.40	
11 46 16 00-0016 EA 60" Wide x 28" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 37040).....	5,686.40	
11 46 16 00-0017 EA 74" Wide x 28" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 37050) .....	6,427.55	
<b>11 46 16 00-0018</b> <b>Stationary Hot Food Units</b> <small>(11 46 16)</small>		
11 46 16 00-0019 EA 46" Wide x 29-1/2" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 38203) .....	1,501.08	30.29
11 46 16 00-0020 EA 61-1/4" Wide x 29-1/2" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 38204) .....	2,014.36	34.87
11 46 16 00-0021 EA 76" Wide x 29-1/2" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 38205) .....	2,508.51	44.66
<b>11 46 16 00-0022</b> <b>Serving Counters</b> <small>(11 46 16)</small>		
11 46 16 00-0023 LF 11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section .....	103.91	34.55
11 46 16 00-0024 LF 11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section.....	132.26	52.93
<b>11 46 16 00-0025</b> <b>Drop-In Equipment</b> <small>(11 46 16)</small>		
11 46 16 00-0026 EA Hot Food Well, Rectangular.....	495.87	110.10
11 46 16 00-0027 EA Hot Food Well, Circular.....	452.80	110.10
11 46 16 00-0028 EA Refrigerated Well, 2 Compartment .....	2,378.26	110.10
11 46 16 00-0029 EA Refrigerated Well, 3 Compartment .....	2,704.86	122.30
11 46 16 00-0030 EA Refrigerated Well, 4 Compartment .....	3,074.56	137.62
11 46 16 00-0031 EA Frost Cold Plate.....	1,989.16	122.30
<b>11 46 16 00-0032</b> <b>Beverage Dispensing</b> <small>(11 46 16)</small>		
11 46 16 00-0033 EA Coffee Urn, Twin 3 Gallon.....	3,270.63	186.98
11 46 16 00-0034 EA Coffee Urn, Twin 6 Gallon.....	4,658.57	261.74
11 46 16 00-0035 EA Coffee Brewer, 5 Burner .....	1,343.08	186.98
11 46 16 00-0036 EA Hot Chocolate Dispenser.....	1,309.40	154.01
11 46 16 00-0037 EA Iced Tea Brewer .....	1,923.20	154.01
11 46 16 00-0038 EA Juice Dispenser (Concentrate) .....	1,350.37	244.42
11 46 16 00-0039 EA Jet Spray Dispenser .....	1,943.08	244.68
11 46 16 00-0040 EA Milk Dispenser, Bulk, 2 Flavor .....	1,649.30	137.62
11 46 16 00-0041 EA Milk Dispenser, Bulk, 3 Flavor .....	2,263.11	137.62
<b>11 46 16 00-0042</b> <b>Dish Dispensers</b> <small>(11 46 16)</small>		
11 46 16 00-0043 EA Heated Plate Lift; Adjustable Plate Storage And Transport (Adcraft ADC-LR-2) .....	1,884.59	27.12
11 46 16 00-0044 EA 12" Diameter, Drop-in, Dish Dispenser .....	672.63	28.32
11 46 16 00-0045 EA Drop-in, Cup And Glass Dispenser.....	1,140.99	88.07
11 46 16 00-0046 EA Drop-in, Disposable Cup Dispenser.....	416.57	19.84
<b>11 46 16 00-0047</b> <b>Tray And Silver Dispensers</b> <small>(11 46 16)</small>		
11 46 16 00-0048 EA Tray And Silver Dispensers Mobile.....	2,637.02	19.84
<b>11 46 16 00-0049</b> <b>Condiment Dispensers</b> <small>(11 46 16)</small>		
11 46 16 00-0050 EA Butter Pat Dispenser.....	150.81	24.83
11 46 16 00-0051 EA Bread Dispenser, Counter Top .....	432.95	24.83
<b>11 46 16 00-0052</b> <b>Sandwich Rack Warmer</b> <small>(11 46 16)</small>		
11 46 16 00-0053 EA 18 Compartment, 2 Tier Sandwich Rack Warmer.....	3,324.50	125.16
<b>11 46 16 00-0054</b> <b>Mobile Bread Counter</b> <small>(11 46 16)</small>		
11 46 16 00-0055 EA Mobile Bread And Roll Counter .....	7,630.19	281.36

11	<b>11 Equipment</b>
	<b>11 40 Foodservice Equipment</b>
	<b>11 46 Food Dispensing Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 46 16 00-0056 Open Service Stand <small>(11 46 16)</small></b>		
11 46 16 00-0057 EA 6' Open Service Stand.....	2,928.48	93.15
11 46 16 00-0058 LF Each Additional Foot Over 6 Foot Add.....	400.63	12.59
<b>11 46 16 00-0059 Mobile Serving Stand Unit <small>(11 46 16)</small></b>		
11 46 16 00-0060 EA 36" Mobile Serving Stand Unit.....	2,557.43	89.09
11 46 16 00-0061 EA 96" Mobile Serving Stand Unit.....	4,204.07	133.54
<b>11 46 16 00-0062 Reach-In Heated Cabinets <small>(11 46 16)</small></b>		
11 46 16 00-0063 EA Heated Cabinet, Reach-in, 1 Compartment.....	5,128.11	141.18
11 46 16 00-0064 EA Heated Cabinet, Reach-in, 2 Compartment.....	7,397.73	177.60
11 46 16 00-0065 EA Heated Cabinet, 1 Compartment, Pass-Through Roll-In.....	5,370.40	141.18
11 46 16 00-0066 EA Heated Cabinet, Pass-Through, Roll-In 2 Compartment.....	7,749.85	177.60
<b>11 46 16 00-0067 Sneeze Guard <small>(11 46 16)</small></b>		
11 46 16 00-0068 LF 2 Panel Sneeze Guard With Attachments.....	319.55	54.48
<b>11 46 16 00-0069 Mobile Heated Cabinets <small>(11 46 16)</small></b>		
11 46 16 00-0070 EA Mobile, Heated Cabinet.....	5,806.45	49.59
<b>11 46 16 00-0071 Smoothie Machine <small>(11 46 16)</small></b>		
11 46 16 00-0072 EA Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And Two 64 Ounce Polycarbonate Containers (Avamix BX2000T2J).....	361.45	27.12
11 46 16 00-0073 EA Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And One 64 Ounce Polycarbonate Container (Avamix BX2000T).....	317.09	27.12
11 46 16 00-0074 EA Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2000V2J).....	384.21	27.12
11 46 16 00-0075 EA Smoothie Machines 3-1/2 HP Commercial Blender With Touchpad Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2100E2J).....	395.59	27.12
11 46 16 00-0076 EA Smoothie Machines 2 HP Commercial Blender With Toggle Control And 64 Ounce Polycarbonate Container (Avamix BL2T64).....	209.85	27.12
<b>11 46 16 00-0077 Refrigerated Buffet Display Table <small>(11 46 16)</small></b>		
11 46 16 00-0078 EA 35" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-36-N).....	3,286.20	27.12
11 46 16 00-0079 EA 47" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-48-N).....	4,353.67	27.12
11 46 16 00-0080 EA 59" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-60-N).....	5,029.89	27.12
11 46 16 00-0081 EA 71" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-72-N).....	5,890.70	27.12
<b>11 46 16 00-0082 Refrigerated Bakery Display Case <small>(11 46 16)</small></b>		
11 46 16 00-0083 EA 26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC36HCW).....	2,429.79	19.84
11 46 16 00-0084 EA 26-1/2" Length x 47-7/8" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC48HCB).....	2,788.47	19.84
11 46 16 00-0085 EA 26-1/2" Length x 59-2/3" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC48HCW).....	2,794.10	22.69
11 46 16 00-0086 EA 26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC60HCB).....	3,033.22	22.69
11 46 16 00-0087 EA 26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC60HCW).....	3,033.22	22.69
11 46 16 00-0088 EA 26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC72HCB).....	3,891.87	22.69
11 46 16 00-0089 EA 26-1/2" Length x 72-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Bakery Display Case, White (Avantco 193BC72HCW).....	3,891.87	22.69
11 46 16 00-0090 EA 27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3646NW).....	4,901.07	26.42
11 46 16 00-0091 EA 27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP3646FN).....	6,234.67	26.42
11 46 16 00-0092 EA 27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, Two Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3646NN).....	4,901.07	26.42
11 46 16 00-0093 EA 27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3646FW).....	6,234.67	26.42
11 46 16 00-0094 EA 27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3654NW).....	5,192.58	26.42
11 46 16 00-0095 EA 27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654F).....	5,192.58	26.42



<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	11
Food Dispensing Equipment	11 46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0096 EA 27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3654NN).....	5,192.58	26.42
11 46 16 00-0097 EA 27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4846NN).....	5,519.85	26.42
11 46 16 00-0098 EA 27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4846FW).....	7,023.68	26.42
11 46 16 00-0099 EA 27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4846NW).....	5,519.85	26.42
11 46 16 00-0100 EA 27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4846FD).....	6,613.54	26.42
11 46 16 00-0101 EA 27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4846FN).....	7,023.68	26.42
11 46 16 00-0102 EA 27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4854FW).....	7,441.34	26.42
11 46 16 00-0103 EA 27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4854NW).....	5,847.89	26.42
11 46 16 00-0104 EA 27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4854FD).....	7,006.73	26.42
11 46 16 00-0105 EA 27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4854FN).....	7,441.34	26.42
11 46 16 00-0106 EA 27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4854NN).....	5,847.89	26.42
11 46 16 00-0107 EA 27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6046FW).....	7,700.07	26.42
11 46 16 00-0108 EA 27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP6046FD).....	7,250.39	26.42
11 46 16 00-0109 EA 27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP6046FN).....	7,700.07	26.42
11 46 16 00-0110 EA 27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6046NN).....	7,700.07	26.42
11 46 16 00-0111 EA 27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6054FD).....	7,682.00	26.42
11 46 16 00-0112 EA 27-1/2" Length x 59" Width x 52-3/8" Height, 36" Curved Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco 193BC36HCB).....	2,447.80	28.88
11 46 16 00-0113 EA 27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6054FW).....	8,163.55	28.88
11 46 16 00-0114 EA 27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP6054NW).....	6,415.31	28.88
11 46 16 00-0115 EA 27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654FW).....	6,606.39	26.42
11 46 16 00-0116 EA 34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB36RWN).....	2,824.00	28.88
11 46 16 00-0117 EA 34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB36FBN).....	8,433.20	28.88
11 46 16 00-0118 EA 34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB36FWN).....	8,433.20	28.88
11 46 16 00-0119 EA 34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB362WN).....	8,433.20	28.88
11 46 16 00-0120 EA 34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB48DWN).....	6,487.68	28.88
11 46 16 00-0121 EA 34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Refrigerated Bakery Display Case, Black (Turbo Air TCGB48FBN).....	10,157.35	28.88
11 46 16 00-0122 EA 34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB48FWN).....	10,157.35	28.88
11 46 16 00-0123 EA 34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB482WN).....	10,157.35	28.88
11 46 16 00-0124 EA 34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB60DWN).....	7,460.23	28.88
11 46 16 00-0125 EA 34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB60FBN).....	10,317.40	28.88
11 46 16 00-0126 EA 34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB60FWN).....	14,057.46	28.88
11 46 16 00-0127 EA 34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB602WN).....	14,057.46	28.88
11 46 16 00-0128 EA 34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB722WN).....	10,787.18	31.73
<b>11 46 16 00-0129 Dry Bakery Display Case <small>(11 46 16)</small></b>		
11 46 16 00-0130 EA 26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD36B).....	2,007.49	19.84
11 46 16 00-0131 EA 26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD36W).....	2,007.49	19.84
11 46 16 00-0132 EA 26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD48B).....	2,226.26	19.84

**11 Equipment****11 40 Foodservice Equipment****11 46 Food Dispensing Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0133	EA		26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD48W).....	2,226.26	19.84
11 46 16 00-0134	EA		26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD60B).....	2,560.04	22.69
11 46 16 00-0135	EA		26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD60W).....	3,052.27	22.69
11 46 16 00-0136	EA		26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD72B).....	2,986.64	22.69
11 46 16 00-0137	EA		26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD72W).....	2,986.64	22.69
11 46 16 00-0138	EA		27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air TBP3646FN).....	6,274.08	26.42
11 46 16 00-0139	EA		27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air TBP3646FW).....	12,495.24	26.42
11 46 16 00-0140	EA		34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Turbo Air TCGB72DWN).....	8,018.31	31.73
11 46 16 00-0141	EA		35-3/4" Length x 37-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Beverage-Air CDR3HCWD).....	6,082.55	28.88
11 46 16 00-0142	EA		35-3/4" Length x 36-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR3HCBD).....	6,082.55	28.88
11 46 16 00-0143	EA		35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR4HCBD).....	6,082.55	28.88
11 46 16 00-0144	EA		35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Doors, 2 Shelves, Dry Bakery Display Case, White (Beverage-Air CDR4HCWD).....	6,082.55	28.88
11 46 16 00-0145	EA		35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR5HCBD).....	6,327.02	28.88
11 46 16 00-0146	EA		35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR5HCWD).....	6,327.02	28.88
11 46 16 00-0147	EA		35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR6HCBD).....	6,840.36	31.73
11 46 16 00-0148	EA		35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR6HCWD).....	6,840.36	31.73
<b>11 46 16 00-0149</b>			<b>Dual Dry/Refrigerated Bakery Display Case <small>(11 46 16)</small></b>		
11 46 16 00-0150	EA		34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Dual Dry/Refrigerated Bakery Display Case, Black (Turbo Air TCGB60UFCBON).....	15,261.04	28.88
11 46 16 00-0151	EA		34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60UFCOWN).....	15,261.04	28.88
11 46 16 00-0152	EA		34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60COWN).....	15,261.04	28.88
11 46 16 00-0153	EA		34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72UFCOWN).....	15,266.83	31.73
11 46 16 00-0154	EA		34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72COWN).....	15,670.76	31.73
<b>11 46 16 00-0155</b>			<b>Refrigerated Deli Case <small>(11 46 16)</small></b>		
11 46 16 00-0156	EA		30" Length x 72-1/2" Width x 41-7/8" Height, 72" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72LWN).....	10,978.33	105.77
11 46 16 00-0157	EA		30" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72HWN).....	10,978.33	105.77
11 46 16 00-0158	EA		30" Length x 96-1/2" Width x 41-7/8" Height, 96" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96LWN).....	12,589.85	105.77
11 46 16 00-0159	EA		30" Length x 96-1/2" Width x 5-1/8" Height, 96" Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degree Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96HWN).....	12,589.85	105.77
11 46 16 00-0160	EA		32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC36HCB).....	2,545.69	63.48
11 46 16 00-0161	EA		32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Doors, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC36HCS).....	2,774.44	63.48
11 46 16 00-0162	EA		32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC36HCW).....	2,545.69	63.48
11 46 16 00-0163	EA		32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC47HCB).....	2,878.42	79.34
11 46 16 00-0164	EA		32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC47HCS).....	3,131.25	79.34
11 46 16 00-0165	EA		32-1/2" Length x 64-1/3" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC64HCW).....	3,364.77	105.77
11 46 16 00-0166	EA		32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC64HCB).....	3,364.77	105.77



<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	11
Food Dispensing Equipment	11 46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0167	EA		32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC64HCS).....	3,810.23	105.77
11 46 16 00-0168	EA		32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC47HCW).....	2,931.34	105.77
11 46 16 00-0169	EA		32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC82HCB).....	3,677.79	105.77
11 46 16 00-0170	EA		32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC82HCW).....	3,677.79	105.77
11 46 16 00-0171	EA		32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC82HCS).....	4,051.02	105.77
<b>11 46 19 Soda Fountain Equipment (11 46)</b>					
<b>11 46 19 00-0001 Carbonated Beverage Dispensing (11 46 19)</b>					
11 46 19 00-0002	EA		Carbonated Beverage Dispenser.....	3,507.31	344.11
11 46 19 00-0003	EA		Carbonated Beverage Dispenser With 90 LB Ice.....	5,617.15	393.22
11 46 19 00-0004	EA		Carbonated Beverage Dispenser With 150 LB Ice.....	10,387.71	550.50
<b>11 46 19 00-0005 Beverage Chilling Systems (11 46 19)</b>					
11 46 19 00-0006	EA		Beverage Chiller, Small.....	10,532.89	321.37
11 46 19 00-0007	EA		Beverage Chiller, Large.....	19,844.15	482.10
<b>11 46 83 Ice Machines (11 46)</b>					
<b>11 46 83 00-0001 Undercounter Ice Machines With Bin (11 46 83)</b>					
11 46 83 00-0002	EA		53 LB/Day, Air Cooled Undercounter Octagonal Cube Ice Machine With 25 LB Capacity Bin (Manitowoc SM-50A 115/60/1).....	2,398.51	19.84
11 46 83 00-0003	EA		85 LB/Day, Air Cooled Undercounter Pearl/Nugget Ice Machine With 22 LB Capacity Bin (Ice-O-Matic GEMU090).....	3,795.26	148.21
11 46 83 00-0004	EA		137 LB/Day, Air Cooled Undercounter Half Dice Cube Ice Machine With 90 LB Capacity Bin (Manitowoc UYF0140A).....	2,875.85	148.21
11 46 83 00-0005	EA		100 LB/Day, Undercounter, Air Cooled Ice Machine With 57 LB Capacity Bin (Scotsman CU0920MA).....	2,805.54	148.21
11 46 83 00-0006	EA		227 LB/Day, Undercounter, Air Cooled Ice Machine With 80 Lb Capacity Bin (Scotsman UC2024SA).....	3,022.46	158.80
11 46 83 00-0007	EA		282 LB/Day, Undercounter, Air Cooled Ice Machine With 80 Lb Capacity Bin (Scotsman UC2724SA).....	3,389.18	158.80
<b>11 46 83 00-0008 Ice Cube Maker (11 46 83)</b>					
11 46 83 00-0009	EA		320 LB/Day, Modular Ice Maker Without Bin.....	3,882.14	158.80
11 46 83 00-0010	EA		451 LB/Day, Modular Ice Maker Without Bin.....	4,220.39	169.39
11 46 83 00-0011	EA		600 LB/Day, Modular Ice Maker Without Bin.....	4,845.39	169.39
11 46 83 00-0012	EA		901 LB/Day, Modular Ice Maker Without Bin.....	6,961.93	179.97
11 46 83 00-0013	EA		1301 LB/Day, Modular Ice Maker Without Bin.....	7,913.40	179.97
11 46 83 00-0014	EA		1601 LB/Day, Modular Ice Maker Without Bin.....	9,554.43	190.55
11 46 83 00-0015	EA		1900 LB/Day, Modular Ice Maker Without Bin.....	10,565.58	190.55
<b>11 46 83 00-0016 Ice Flakers (11 46 83)</b>					
11 46 83 00-0017	EA		300 LB/Day, Ice Flakers.....	7,705.60	523.72
11 46 83 00-0018	EA		600 LB/Day, Ice Flakers.....	14,037.21	837.95
11 46 83 00-0019	EA		1,000 LB/Day, Ice Flakers.....	17,265.20	1,152.19
11 46 83 00-0020	EA		2,000 LB/Day, Ice Flakers.....	21,211.31	1,256.93
<b>11 46 83 00-0021 Ice Storage Bins (11 46 83)</b>					
11 46 83 00-0022	EA		260 LB Capacity, Stainless Steel Ice Storage Bin.....	1,545.04	119.02
11 46 83 00-0023	EA		360 LB Capacity, Stainless Steel Ice Storage Bin.....	1,697.80	119.02
11 46 83 00-0024	EA		550 LB Capacity, Stainless Steel Ice Storage Bin.....	2,125.02	128.94
11 46 83 00-0025	EA		660 LB Capacity, Stainless Steel Ice Storage Bin.....	2,294.77	128.94
11 46 83 00-0026	EA		1150 LB Capacity, Stainless Steel Ice Storage Bin.....	4,436.38	138.86
<b>11 48 Foodservice Cleaning and Disposal Equipment (11 40)</b>					
<b>11 48 13 Commercial Dishwashers (11 48)</b>					
<b>11 48 13 00-0001 Rack Type Dishwasher (11 48 13)</b>					
11 48 13 00-0002	EA		Dishwasher, 1 Tank And 190 Racks/Hour.....	10,661.40	209.39
11 48 13 00-0003	EA		Dishwasher, 2 Tanks And 234 Racks/Hour.....	18,363.35	549.66
11 48 13 00-0004	EA		Dishwasher, 2 Tanks And 265 Racks/Hour.....	22,051.05	628.18
11 48 13 00-0005	EA		Dishwasher, Automatic - 100 Meals/Hour.....	17,194.23	157.05
11 48 13 00-0006	EA		Dishwasher, Machine Rack.....	20,053.33	436.27
11 48 13 00-0007	EA		Dishwasher, Hobart LX30-H.....	5,331.19	183.22
<b>11 48 13 00-0008 Exhaust Hood Dishwasher (11 48 13)</b>					
11 48 13 00-0009	EA		4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	2,154.49	223.12

11	<b>11 Equipment</b>
	<b>11 40 Foodservice Equipment</b>
	<b>11 48 Foodservice Cleaning and Disposal Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 48 13 00-0010 EA 4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	3,662.14	267.74
<b>11 48 13 00-0011 Dish Tables</b> <small>(11 48 13)</small>		
11 48 13 00-0012 LF Clean/Soiled Dish Table, Basic.....	250.03	40.21
11 48 13 00-0013 LF Clean/Soiled Dish Table With Trough.....	392.75	60.27
11 48 13 00-0014 LF Clean/Soiled Dish Table, Maximum.....	476.45	80.32
<b>11 48 13 00-0015 Sprays And Hoses</b> <small>(11 48 13)</small>		
<b>11 48 13 00-0016 Sprays, Fillers</b> <small>(11 48 13 00-0015)</small>		
11 48 13 00-0017 EA Pre-Rinse Spray.....	421.86	76.29
11 48 13 00-0018 EA Kettle Fillers.....	368.02	76.29
<b>11 48 13 00-0019 Hoses</b> <small>(11 48 13 00-0015)</small>		
11 48 13 00-0020 EA Hose Reel.....	506.24	91.59
11 48 13 00-0021 EA Wash-Down Hose.....	398.56	91.59
11 48 13 00-0022 EA Hose Reel And Spray System With Accessories (Chicago 535NF).....	1,361.77	
<b>11 48 16 Foodservice Disposal Equipment</b> <small>(11 48)</small>		
<b>11 48 16 00-0001 Garbage Disposals</b> <small>(11 48 16)</small>		
Note: Manual switch.		
11 48 16 00-0002 EA 1/2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal.....	1,467.48	141.34
11 48 16 00-0003 EA 3/4 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal.....	1,854.47	146.58
11 48 16 00-0004 EA 1 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal.....	1,991.67	151.81
11 48 16 00-0005 EA 1.5 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal.....	2,608.34	157.05
11 48 16 00-0006 EA 2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal.....	2,844.73	172.75
11 48 16 00-0007 EA 3 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal.....	4,017.27	188.46
11 48 16 00-0008 EA 5 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal.....	4,801.51	209.39
11 48 16 00-0009 EA 7-1/2 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal.....	6,690.44	225.10
11 48 16 00-0010 EA 10 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal.....	8,816.23	235.57
<b>11 48 16 00-0011 Pulper/Extractors</b> <small>(11 48 16)</small>		
11 48 16 00-0012 EA 5 HP, Pulper/Extractor, Close-Coupled.....	5,838.49	218.08
<b>11 50 Educational and Scientific Equipment</b> <small>(11)</small>		
<b>11 52 Audio-Visual Equipment</b> <small>(11 50)</small>		
<b>11 52 13 Projection Screens</b> <small>(11 52)</small>		
<b>11 52 13 13 Fixed Projection Screens</b> <small>(11 52 13)</small>		
<b>11 52 13 13-0001 Screens</b> <small>(11 52 13 13)</small>		
<b>11 52 13 13-0002 Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B)</b>		
11 52 13 13-0003 EA 40" x 40" Pull Down Projection Screen (Da-Lite B).....	339.00	76.28
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0004 EA 50" x 50" Pull Down Projection Screen (Da-Lite B).....	404.16	98.07
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0005 EA 60" x 60" Pull Down Projection Screen (Da-Lite B).....	512.90	136.22
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0006 EA 70" x 70" Pull Down Projection Screen (Da-Lite B).....	594.41	163.46
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0007 EA 84" x 84" Pull Down Projection Screen (Da-Lite B).....	919.98	245.19
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0008 EA 96" x 96" Pull Down Projection Screen (Da-Lite B).....	1,082.54	272.43
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0009 EA 64" x 84" Pull Down Projection Screen (Da-Lite B).....	778.31	174.36
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	





<b>Equipment</b>	<b>11</b>
<b>Educational and Scientific Equipment</b>	<b>11 50</b>
<b>Audio-Visual Equipment</b>	<b>11 52</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0010	EA		72" x 96" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	892.52 40.00 40.00 120.00	217.95
11 52 13 13-0011	EA		43" x 57" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	479.77 40.00 40.00 120.00	92.62
11 52 13 13-0012	EA		50" x 67" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	664.12 40.00 40.00 120.00	130.77
11 52 13 13-0013	EA		55" x 77" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	723.83 40.00 40.00 120.00	147.12
11 52 13 13-0014	EA		60" x 80" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	772.64 40.00 40.00 120.00	158.01
11 52 13 13-0015	EA		69" x 92" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	892.07 40.00 40.00 120.00	190.71
11 52 13 13-0016	EA		45" x 80" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	729.05 40.00 40.00 120.00	136.22
11 52 13 13-0017	EA		52" x 92" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	826.68 40.00 40.00 120.00	158.01
<b>11 52 13 13-0018</b>			<b>Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C)</b> <small>(11 52 13 13-0001)</small>		
11 52 13 13-0019	EA		50" x 50" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	782.43 40.00 40.00 120.00	98.07
11 52 13 13-0020	EA		60" x 60" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	918.18 40.00 40.00 120.00	136.22
11 52 13 13-0021	EA		70" x 70" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,070.29 40.00 40.00 120.00	185.26
11 52 13 13-0022	EA		84" x 84" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,244.21 40.00 40.00 120.00	245.19
11 52 13 13-0023	EA		6' x 8' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,363.19 40.00 40.00 120.00	250.64
11 52 13 13-0024	EA		8' x 8' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,460.80 40.00 40.00 120.00	272.43
11 52 13 13-0025	EA		7' x 9' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,487.82 40.00 40.00 120.00	272.43
11 52 13 13-0026	EA		9' x 9' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,601.57 40.00 40.00 120.00	288.78
11 52 13 13-0027	EA		8' x 10' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,715.33 40.00 40.00 120.00	305.12
11 52 13 13-0028	EA		10' x 10' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,839.97 40.00 40.00 120.00	326.92
11 52 13 13-0029	EA		9' x 12' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,056.13 40.00 40.00 120.00	326.92
11 52 13 13-0030	EA		12' x 12' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,382.14 40.00 40.00 120.00	435.90

11	<b>11 Equipment</b>
	<b>11 50 Educational and Scientific Equipment</b>
	<b>11 52 Audio-Visual Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 52 13 13-0031 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) <small>(11 52 13 13-0001)</small></b> Note: With controlled screen return.		
11 52 13 13-0032 EA 60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,458.56	136.22
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0033 EA 70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,637.69	185.26
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0034 EA 84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,811.61	245.19
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0035 EA 6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,903.57	250.64
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0036 EA 8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,028.20	272.43
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0037 EA 7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,055.22	272.43
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0038 EA 9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,168.97	288.78
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0039 EA 8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,217.79	299.67
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0040 EA 10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,488.43	326.92
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0041 EA 9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,731.60	326.92
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0042 EA 12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	3,111.66	435.90
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
<b>11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) <small>(11 52 13 13-0001)</small></b> Note: Heavy-duty screen for exposed installation.		
11 52 13 13-0044 EA 50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,405.22	122.59
11 52 13 13-0045 EA 60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,458.23	136.22
11 52 13 13-0046 EA 70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,561.70	163.46
11 52 13 13-0047 EA 84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,946.83	245.19
11 52 13 13-0048 EA 6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,019.60	250.64
11 52 13 13-0049 EA 8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,204.94	272.43
11 52 13 13-0050 EA 7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,269.38	272.43
11 52 13 13-0051 EA 9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,431.25	291.51
11 52 13 13-0052 EA 8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,631.20	305.12
11 52 13 13-0053 EA 10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,759.85	326.92
11 52 13 13-0054 EA 9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,875.84	326.92
11 52 13 13-0055 EA 12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	4,294.83	435.90
<b>11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) <small>(11 52 13 13-0001)</small></b> Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0057 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	5,244.37	326.92
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0058 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	5,678.46	435.90
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0059 EA 14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	7,030.31	490.38
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0060 EA 12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	7,409.47	544.86
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0061 EA 16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	7,897.61	653.84
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0062 EA 13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	8,817.14	708.33
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0063 EA 18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	9,655.64	762.81
Note: Heavy-duty screen for exposed or recessed installation without doors.		



<b>Equipment</b>	<b>11</b>
<b>Educational and Scientific Equipment</b>	<b>11 50</b>
<b>Audio-Visual Equipment</b>	<b>11 52</b>

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0064	EA	15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) ..... Note: Heavy-duty screen for exposed or recessed installation without doors.	10,196.02	762.81
11 52 13 13-0065	EA	20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) ..... Note: Heavy-duty screen for exposed or recessed installation without doors.	10,981.37	871.78
11 52 13 13-0066	EA	11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) ..... Note: Heavy-duty screen for exposed or recessed installation without doors.	10,168.09	708.33
11 52 13 13-0067	EA	16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) ..... Note: Heavy-duty screen for exposed or recessed installation without doors.	10,765.21	871.78
11 52 13 13-0068	EA	22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) ..... Note: Heavy-duty screen for exposed or recessed installation without doors.	11,253.35	980.76
11 52 13 13-0069	EA	12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) ..... Note: Heavy-duty screen for exposed or recessed installation without doors.	10,817.45	762.81
11 52 13 13-0070	EA	18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) ..... Note: Heavy-duty screen for exposed or recessed installation without doors.	13,955.25	980.76
<b>11 52 13 13-0071 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) <sup>(11 52 13 13-0001)</sup></b>				
Note: In-the-ceiling screen with automatically operated door to conceal screen.				
11 52 13 13-0072	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,835.72	122.59
11 52 13 13-0073	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,944.02	136.22
11 52 13 13-0074	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,052.54	163.46
11 52 13 13-0075	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,405.14	245.19
11 52 13 13-0076	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,470.07	250.64
11 52 13 13-0077	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,675.77	272.43
11 52 13 13-0078	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,837.88	272.43
11 52 13 13-0079	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,957.08	291.51
11 52 13 13-0080	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,119.42	305.12
11 52 13 13-0081	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,271.09	326.92
11 52 13 13-0082	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,325.13	326.92
11 52 13 13-0083	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,813.26	435.90
11 52 13 13-0084	EA	10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,300.06	463.14
11 52 13 13-0085	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,624.73	490.38
11 52 13 13-0086	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,328.12	544.86
11 52 13 13-0087	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,681.17	653.84
<b>11 52 13 13-0088 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) <sup>(11 52 13 13-0001)</sup></b>				
Note: In-the-ceiling screen with automatically operated door to conceal screen.				
11 52 13 13-0089	EA	50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,014.34	122.59
11 52 13 13-0090	EA	60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,106.65	149.84
11 52 13 13-0091	EA	70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,158.21	163.46
11 52 13 13-0092	EA	84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,400.03	245.19
11 52 13 13-0093	EA	6' x 8' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,435.25	250.64
11 52 13 13-0094	EA	8' x 8' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,581.50	272.43
11 52 13 13-0095	EA	7' x 9' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,724.70	272.43
11 52 13 13-0096	EA	9' x 9' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,954.67	291.51
11 52 13 13-0097	EA	8' x 10' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	5,019.75	305.12
11 52 13 13-0098	EA	10' x 10' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	5,179.52	326.92
11 52 13 13-0099	EA	9' x 12' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	5,180.42	381.41
11 52 13 13-0100	EA	12' x 12' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	5,667.65	435.90
11 52 13 13-0101	EA	10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	7,067.70	463.14

**11 Equipment****11 50 Educational and Scientific Equipment****11 52 Audio-Visual Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0102 EA 14' x 14' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	7,378.86	490.38
11 52 13 13-0103 EA 12' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	7,987.68	544.86
11 52 13 13-0104 EA 16' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	8,319.11	653.84
11 52 13 13-0105 EA 13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	9,063.03	708.33
11 52 13 13-0106 EA 18' x 18' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	9,623.21	762.81
11 52 13 13-0107 EA 15' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	10,017.69	762.81
11 52 13 13-0108 EA 20' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	11,078.63	871.78
11 52 13 13-0109 EA 50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,158.21	163.46
11 52 13 13-0110 EA 60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,345.55	217.95
11 52 13 13-0111 EA 69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,424.35	245.19
11 52 13 13-0112 EA 87" x 116" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,046.77	305.12
11 52 13 13-0113 EA 105" x 140" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,404.67	381.41
11 52 13 13-0114 EA 123" x 164" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,700.68	490.38
11 52 13 13-0115 EA 141" x 188" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	7,123.98	599.35
11 52 13 13-0116 EA 12' x 24' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	12,515.14	817.30
11 52 13 13-0117 EA 45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,359.06	217.95
11 52 13 13-0118 EA 52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,464.87	245.19
11 52 13 13-0119 EA 54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,575.92	261.54
11 52 13 13-0120 EA 58" x 104" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,643.83	283.33
11 52 13 13-0121 EA 65" x 116" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,917.08	305.12
11 52 13 13-0122 EA 78" x 139" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,302.00	381.41
11 52 13 13-0123 EA 92" x 164" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,627.73	490.38
11 52 13 13-0124 EA 106" x 188" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	7,661.65	599.35
11 52 13 13-0125 EA 119" x 212" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	9,298.09	708.33
<b>11 52 13 13-0126 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) <small>(11 52 13 13-0001)</small></b> Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0127 EA 50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,737.95	122.59
11 52 13 13-0128 EA 60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,827.05	136.22
11 52 13 13-0129 EA 70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,927.94	163.46
11 52 13 13-0130 EA 84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,251.21	245.19
11 52 13 13-0131 EA 6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,313.66	250.64
11 52 13 13-0132 EA 8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,468.08	272.43
11 52 13 13-0133 EA 7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,640.78	272.43
11 52 13 13-0134 EA 9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,789.75	291.51
11 52 13 13-0135 EA 8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,899.49	305.12
11 52 13 13-0136 EA 10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,074.53	326.92
11 52 13 13-0137 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,252.39	326.92
11 52 13 13-0138 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,619.83	435.90



<b>Equipment</b>	<b>11</b>	
<b>Educational and Scientific Equipment</b>	<b>11 50</b>	11
<b>Audio-Visual Equipment</b>	<b>11 52</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>11 52 13 13-0139 Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol)</b> <small>(11 52 13 13-0001)</small>		
Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140 EA	60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	12,376.48 272.43
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0141 EA	69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	13,241.99 326.92
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0142 EA	87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	15,406.20 490.38
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0143 EA	105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	19,407.71 653.84
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0144 EA	120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	21,516.98 762.81
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0145 EA	52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	13,133.01 272.43
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0146 EA	58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	14,349.77 326.92
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0147 EA	65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	15,188.25 381.41
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0148 EA	78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	19,080.79 490.38
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		

<b>11 52 13 13-0149 Electric Rear Projection Screen (Da-Lite DA-View)</b> <small>(11 52 13 13-0001)</small>		
Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150 EA	60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	4,490.43 272.43
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0151 EA	67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	5,641.52 299.67
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0152 EA	72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	6,463.63 326.92
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0153 EA	84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	11,672.14 354.16
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0154 EA	90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	12,932.88 1,255.14
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0155 EA	96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	14,357.77 435.90
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0156 EA	100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	18,414.51 490.38
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0157 EA	120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	24,883.76 544.86
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0158 EA	125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	27,843.90 599.35
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0159 EA	135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	37,273.97 653.84
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		

**11 52 13 13-0160 Screen Accessories** (11 52 13 13-0001)

<b>11 52 13 13-0161 Manual Pull Down Accessories</b> <small>(11 52 13 13-0160)</small>		
11 52 13 13-0162 EA	6" Mounting Bracket (Pair).....	64.98 8.18
11 52 13 13-0163 EA	14" Wall Mounting Bracket (Pair).....	92.00 8.72
11 52 13 13-0164 EA	14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair).....	108.21 9.81

<b>11 52 13 13-0165 Electric Powered Screen Accessories</b> <small>(11 52 13 13-0160)</small>		
11 52 13 13-0166 EA	Single Motor Low Voltage Remote Control System - Infrared.....	672.98
11 52 13 13-0167 EA	Single Motor Low Voltage Remote Control System - Radio Frequency.....	970.19

**11 52 13 16 Portable Projection Screens** (11 52 13)

<b>11 52 13 16-0001 Projection Screen And Case</b> <small>(11 52 13 16)</small>		
11 52 13 16-0002 EA	9' x 12' Spring-Roller Operated Projection Screen (Draper Luma 2).....	2,033.54 206.95
11 52 13 16-0003 EA	12' x 12' Spring-Roller Operated Projection Screen (Draper Luma 2).....	2,048.90 206.95
11 52 13 16-0004 EA	9' x 9' Non Tensioned Electric Projection Screen (Draper Targa).....	2,137.40 206.95
11 52 13 16-0005 EA	9' x 12' Non Tensioned Electric Projection Screen (Draper Targa).....	2,338.41 206.95
11 52 13 16-0006 EA	12' x 12' Non Tensioned Electric Projection Screen (Draper Targa).....	3,361.47 206.95
11 52 13 16-0007 EA	12' x 16' Non Tensioned Electric Projection Screen (Draper Targa).....	4,570.28 206.95
11 52 13 16-0008 EA	14' x 14' Non Tensioned Electric Projection Screen (Draper Targa).....	4,057.37 206.95
11 52 13 16-0009 EA	16' x 16' Non Tensioned Electric Projection Screen (Draper Targa).....	4,685.34 206.95
11 52 13 16-0010 EA	15' x 20' Non Tensioned Electric Projection Screen (Draper Paragon).....	7,388.11 206.95
11 52 13 16-0011 EA	20' x 20' Non Tensioned Electric Projection Screen (Draper Paragon).....	7,818.06 206.95
11 52 13 16-0012 EA	11' x 22' Non Tensioned Electric Projection Screen (Draper Paragon).....	7,561.29 206.95
11 52 13 16-0013 EA	16'-6" x 22' Non Tensioned Electric Projection Screen (Draper Paragon).....	7,740.43 206.95
11 52 13 16-0014 EA	22' x 22' Non Tensioned Electric Projection Screen (Draper Paragon).....	7,925.55 206.95
11 52 13 16-0015 EA	Projection Screen Hanger Assembly Unit.....	182.32 25.87
Note: Includes beam clamp, 1/4" cable tail, 8' long, 3/8" x 6" eye and jaw turnbuckle and #1715 pipe clamp (for 1-1/2" inside diameter pipe batten).		

11	<b>11 Equipment</b>
	<b>11 50 Educational and Scientific Equipment</b>
	11 52 Audio-Visual Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**11 52 16 Projectors** (11 52)

**11 52 16 26 Video Projectors** (11 52 16)

**11 52 16 26-0001 Projectors** (11 52 16 26)

11 52 16 26-0002	EA	2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector.....	1,303.28	54.48
11 52 16 26-0003	EA	2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector .....	1,512.29	54.48
11 52 16 26-0004	EA	2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector.....	2,004.94	54.48
11 52 16 26-0005	EA	3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector .....	3,169.39	54.48
11 52 16 26-0006	EA	3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector .....	3,691.91	54.48
11 52 16 26-0007	EA	3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector .....	4,692.14	54.48
11 52 16 26-0008	EA	4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector .....	7,468.92	54.48
11 52 16 26-0009	EA	5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector .....	10,126.26	54.48
11 52 16 26-0010	EA	6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector .....	15,037.87	54.48

**11 52 16 26-0011 Projector Mounts** (11 52 16 26)

**11 52 16 26-0012 Universal Projector Mounts** (11 52 16 26-0011)

Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.

11 52 16 26-0013	EA	Flush Ceiling, Universal Projector Mount (Peerless PPF).....	274.62	59.91
11 52 16 26-0014	EA	Wall Arm, Universal Projector Mount (Peerless PWA-14).....	459.95	59.91

**11 52 16 26-0015 Projector Mount Components** (11 52 16 26-0011)

Note: Includes ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.

**11 52 16 26-0016 Ceiling Attachment Plates For Projector Mounts** (11 52 16 26-0015)

11 52 16 26-0017	EA	Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570).....	98.54	27.23
11 52 16 26-0018	EA	Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557).....	136.57	27.23
11 52 16 26-0019	EA	I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559).....	192.87	27.23
11 52 16 26-0020	EA	Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455).....	238.12	27.23

**11 52 16 26-0021 Projector Attachment Plates For Projector Mounts** (11 52 16 26-0015)

11 52 16 26-0022	EA	Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV).....	359.41	27.23
11 52 16 26-0023	EA	High Security Projector Enclosure For Projector Mounts (Peerless ALB).....	802.82	27.23

**11 52 16 26-0024 Threaded Extension Columns For Projector Mounts** (11 52 16 26-0015)

**11 52 16 26-0025 Fixed Length, Threaded Extension Column For Projector Mounts** (11 52 16 26-0024)

Note: Peerless EXT series.

11 52 16 26-0026	EA	6" Fixed Length, Threaded Extension Column For Projector Mounts .....	60.91	8.17
11 52 16 26-0027	EA	12" Fixed Length, Threaded Extension Column For Projector Mounts .....	79.68	8.17
11 52 16 26-0028	EA	18" Fixed Length, Threaded Extension Column For Projector Mounts .....	86.72	8.17
11 52 16 26-0029	EA	24" Fixed Length, Threaded Extension Column For Projector Mounts .....	91.41	8.17
11 52 16 26-0030	EA	36" Fixed Length, Threaded Extension Column For Projector Mounts .....	108.58	10.89
11 52 16 26-0031	EA	48" Fixed Length, Threaded Extension Column For Projector Mounts .....	132.04	10.89
11 52 16 26-0032	EA	60" Fixed Length, Threaded Extension Column For Projector Mounts .....	169.58	10.89
11 52 16 26-0033	EA	72" Fixed Length, Threaded Extension Column For Projector Mounts .....	195.38	10.89
11 52 16 26-0034	EA	84" Fixed Length, Threaded Extension Column For Projector Mounts .....	228.98	13.62
11 52 16 26-0035	EA	96" Fixed Length, Threaded Extension Column For Projector Mounts .....	261.83	13.62
11 52 16 26-0036	EA	108" Fixed Length, Threaded Extension Column For Projector Mounts .....	290.74	16.34
11 52 16 26-0037	EA	120" Fixed Length, Threaded Extension Column For Projector Mounts .....	304.81	16.34

**11 52 16 26-0038 Adjustable Length, Threaded Extension Columns For Projector Mounts** (11 52 16 26-0024)

Note: Peerless ADJ series. Adjustable at 1" increments.

11 52 16 26-0039	EA	6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts.....	125.76	13.62
11 52 16 26-0040	EA	12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts.....	196.14	13.62
11 52 16 26-0041	EA	18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts.....	200.83	13.62
11 52 16 26-0042	EA	24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts.....	207.87	13.62
11 52 16 26-0043	EA	36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts.....	225.05	16.34
11 52 16 26-0044	EA	48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts.....	236.78	16.34
11 52 16 26-0045	EA	60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts.....	262.59	16.34
11 52 16 26-0046	EA	72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts.....	286.04	16.34
11 52 16 26-0047	EA	84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts.....	317.29	19.07
11 52 16 26-0048	EA	96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts.....	340.75	19.07
11 52 16 26-0049	EA	108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts.....	372.01	21.78
11 52 16 26-0050	EA	120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts.....	388.43	21.78

**11 52 33 Interactive Displays** (11 52)

**11 52 33 00-0001 Television Monitors And Panels** (11 52 33)

Note: Excludes wall or ceiling mounts See CSI section 11 52 33 00-0019 for television mounting.

11 52 33 00-0002	EA	27" HD Television, LCD, 1080 DPI, 60 Hertz.....	667.04	15.87
11 52 33 00-0003	EA	32" HD Television, LCD, 720 DPI, 60 Hertz.....	731.96	17.85
11 52 33 00-0004	EA	32" HD Television, LCD, 1080 DPI, 120 Hertz.....	995.59	19.84



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 33 00-0005	EA		32" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,004.79	19.84
11 52 33 00-0006	EA		40" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,138.09	21.81
11 52 33 00-0007	EA		46" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,337.07	23.80
11 52 33 00-0008	EA		50" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,667.38	25.79
11 52 33 00-0009	EA		55" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,995.70	25.79
11 52 33 00-0010	EA		60" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	2,326.00	27.77
11 52 33 00-0011	EA		65" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	2,820.47	29.76
11 52 33 00-0012	EA		75" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	4,464.06	31.74
11 52 33 00-0013	EA		46" 3D Television, LED, 1080 DPI, 240 Hertz .....	2,051.64	23.80
11 52 33 00-0014	EA		55" 3D Television, LED, 1080 DPI, 240 Hertz .....	2,864.78	25.79
11 52 33 00-0015	EA		60" 3D Television, LED, 1080 DPI, 240 Hertz .....	3,880.69	27.77
11 52 33 00-0016	EA		65" 3D Television, LED, 1080 DPI, 240 Hertz .....	4,085.47	29.76
11 52 33 00-0017	EA		75" 3D Television, LED, 1080 DPI, 240 Hertz .....	6,113.33	29.76
11 52 33 00-0018	EA		86" Interactive LED Panel (SMARTBOARD SPNL-7086).....	18,657.10	31.74
<b>11 52 33 00-0019 Flat Panel Display Mounting <sup>(11 52 33)</sup></b>					
Note: Includes anchors, bolts and hardware. Excludes blocking in walls or ceiling.					
11 52 33 00-0020	EA		Neo-Flex Tilting Wall Mount UHD (Ergotron 60-612).....	439.09	120.30
11 52 33 00-0021	EA		Swivel Wall Mounts For 10" To 30" Flat Panel Displays..... Note: 2.6" To 16.6" swing arm extension, 12 degrees tilt	365.81	96.24
11 52 33 00-0022	EA		Premium Swivel Wall Mounts For 23" To 37" Flat Panel Displays..... Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt	582.94	120.30
11 52 33 00-0023	EA		Swivel Wall Mounts For 32" To 60" Flat Panel Displays..... Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt	591.98	144.36
11 52 33 00-0024	EA		Swivel Wall Mounts For 32" To 60" Flat Panel Displays With Extra Wide 24" Back Plate..... Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt	635.40	144.36
11 52 33 00-0025	EA		Swivel Wall Mounts For 32" To 50" Flat Panel Displays..... Note: 4.5" To 26.2" swing arm extension, 15 degrees tilt	635.40	144.36
11 52 33 00-0026	EA		Full Motion Wall Mounts For 13" To 26" Flat Panel Displays..... Note: 8" Extension	344.14	96.24
11 52 33 00-0027	EA		Full Motion Wall Mounts For 26" To 40" Flat Panel Displays..... Note: 9.7" Extension	478.93	120.30
11 52 33 00-0028	EA		Full Motion Wall Mounts For 32" To 56" Flat Panel Displays..... Note: 10.2" Extension	852.09	144.36
11 52 33 00-0029	EA		Full Motion Wall Mounts For 42" To 84" Flat Panel Displays..... Note: 20" Extension	1,240.67	168.42
11 52 33 00-0030	EA		Low Profile Tilting Wall Mounts For 26" To 40" Flat Panel Displays .....	435.59	120.30
11 52 33 00-0031	EA		Low Profile Tilting Wall Mounts For 32" To 70" Flat Panel Displays .....	522.27	120.30
11 52 33 00-0032	EA		Low Profile Tilting Wall Mounts For 75" Flat Panel Displays.....	613.16	144.36
11 52 33 00-0033	EA		Low Profile Wall Mounts For 26" To 40" Flat Panel Displays.....	348.91	120.30
11 52 33 00-0034	EA		Low Profile Wall Mounts For 40" To 70" Flat Panel Displays.....	413.92	120.30
11 52 33 00-0035	EA		Low Profile Wall Mounts For 75" Flat Panel Displays.....	491.49	144.36
11 52 33 00-0036	EA		Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 50" Flat Panel Displays, 39" To 63" Extension From Ceiling..... Note: 360 degree rotation, 15 degree tilt.	587.64	192.48
11 52 33 00-0037	EA		Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 70" Flat Panel Displays, 18" To 31" Extension From Ceiling..... Note: 360 degree rotation, 15 degree tilt.	709.31	192.48
			For 28" To 41" Extension Pole, Add	42.39	
			For 38" To 51" Extension Pole, Add	53.98	
			For 48" To 61" Extension Pole, Add	61.70	
11 52 33 00-0038	EA		VMP Full Motion (Rotates And Tilts) Ceiling Mounts For 37" To 80" Flat Panel Displays, 15" To 37" Extension From Ceiling..... Note: 360 degree rotation, 15 degree tilt.	751.80	192.48
<b>11 52 33 00-0039 Audio/Video Components <sup>(11 52 33)</sup></b>					
11 52 33 00-0040	EA		MLC 104 IP Plus MLC - MediaLink™ Controller with IP Link® Ethernet Control, White (Extron Electronics #60-818-03).....	1,514.27	72.18
11 52 33 00-0041	EA		MLC 226 IP Enhanced MLC - MediaLink™ Controller with IP Link® Ethernet Control, Black (Extron Electronics #60-600-02).....	2,067.27	72.18
11 52 33 00-0042	EA		MPA 152 MPA 152 - Stereo Power Amplifier (Extron Electronics #60-844-01).....	462.86	24.06
11 52 33 00-0043	EA		MPA 401-70 Volt, 70 Volt Mono Power Amplifier - 40 Watt (Extron Electronics #60-845-01).....	538.27	24.06
11 52 33 00-0044	EA		MLS 406 Six Input MLS - MediaLink™ Switcher with Variable Preamp Audio Output Variable Preamp Audio Output (Extron Electronics #60-560-01).....	2,190.80	96.24
11 52 33 00-0045	EA		MLS 406MA Six Input MLS - MediaLink™ Switcher with Mono Audio Amplifier Mono Audio Amplifier (Extron Electronics #60-560-02).....	2,442.16	96.24
11 52 33 00-0046	EA		MLS 406SA Six Input MLS - MediaLink™ Switcher with Stereo Audio Amplifier Stereo Audio Amplifier (Extron Electronics #60-560-03).....	2,442.16	96.24
11 52 33 00-0047	EA		Wall Plate VGA 3.5 RJ-45 Passthru (Liberty Cable #PC-G1600-E-P-C).....	151.91	12.03
11 52 33 00-0048	EA		DVD/VCR Combo (Toshiba #SD V296).....	156.98	
11 52 33 00-0049	EA		DVD/VCR Combo (Toshiba #SD V392).....	159.15	
11 52 33 00-0050	EA		DVDr/VCR Combo (Toshiba #DVR620).....	293.49	
11 52 33 00-0051	EA		DVDr/VCR Combo (Toshiba #DVR670).....	404.01	

**11 Equipment****11 50 Educational and Scientific Equipment****11 52 Audio-Visual Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

11 52 33 00-0052		Audio/Video Cabling <small>(11 52 33)</small>	
11 52 33 00-0053	EA	HDMI M-M Pro/3 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-03)	40.10
11 52 33 00-0054	EA	HDMI M-M Pro/6 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-06)	58.96
11 52 33 00-0055	EA	HDMI M-M Pro/12 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-12)	88.20
11 52 33 00-0056	EA	HDMI M-M Pro/25 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-25)	183.90
11 52 33 00-0057	EA	HDMI M-M Pro/35 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-35)	259.31
11 52 33 00-0058	EA	HDMI M-M Pro/50 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-50)	355.98
11 52 33 00-0059	EA	HDMI M-M Pro/75 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-75)	487.95
11 52 33 00-0060	EA	HDMI M-M Pro/100 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-100)	601.06
11 52 33 00-0061	EA	HDMI M-M Pro/125 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-125)	716.58
11 52 33 00-0062	EA	HDMI M-M Pro/150 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-150)	791.99
11 52 33 00-0063	EA	HDMI M-M Pro/175 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-175)	945.21
11 52 33 00-0064	EA	HDMI M-M Pro/200 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-200)	1,136.14
11 52 33 00-0065	EA	DVI-D/3 Single Link Male to Male Cables (Extron Electronics #26-649-03)	40.10
11 52 33 00-0066	EA	DVI-D/6 Single Link Male to Male Cables (Extron Electronics #26-649-06)	58.96
11 52 33 00-0067	EA	DVI-D/12 Single Link Male to Male Cables (Extron Electronics #26-649-12)	88.20
11 52 33 00-0068	EA	DVI-D/25 Single Link Male to Male Cables (Extron Electronics #26-649-25)	183.90
11 52 33 00-0069	EA	DVI-D/35 Single Link Male to Male Cables (Extron Electronics #26-649-35)	259.31
11 52 33 00-0070	EA	DVI-D/50 Single Link Male to Male Cables (Extron Electronics #26-649-50)	355.97
11 52 33 00-0071	EA	DVI-D/75 Single Link Male to Male Cables (Extron Electronics #26-649-75)	487.94
11 52 33 00-0072	EA	DVI-D/100 Single Link Male to Male Cables (Extron Electronics #26-649-100)	601.05
11 52 33 00-0073	EA	DVI-D/125 Single Link Male to Male Cables (Extron Electronics #26-649-125)	716.58
11 52 33 00-0074	EA	DVI-D/150 Single Link Male to Male Cables (Extron Electronics #26-649-150)	791.99
11 52 33 00-0075	EA	DVI-D/175 Single Link Male to Male Cables (Extron Electronics #26-649-175)	945.21
11 52 33 00-0076	EA	DVI-D/200 Single Link Male to Male Cables (Extron Electronics #26-649-200)	1,136.14
11 52 33 00-0077	EA	AV RCA/6 RCA Male to Male Composite Video and Stereo Audio Cables 6' (Extron Electronics #26-643-06)	17.48
11 52 33 00-0078	EA	AV RCA/20 RCA Male to Male Composite Video and Stereo Audio Cables 20' (Extron Electronics #26-643-20)	27.43
11 52 33 00-0079	EA	VGA M-M MD/3 Male to Male VGA Molded Connector Cables 3' (Extron Electronics #26-238-14)	21.25
11 52 33 00-0080	EA	VGA M-M MD/6 Male to Male VGA Molded Connector Cables 6' (Extron Electronics #26-238-01)	23.14
11 52 33 00-0081	EA	VGA M-M MD/10 Male to Male VGA Molded Connector Cables 10' (Extron Electronics #26-238-07)	31.65
11 52 33 00-0082	EA	VGA M-M MD/15 Male to Male VGA Molded Connector Cables 15' (Extron Electronics #26-238-02)	37.30
11 52 33 00-0083	EA	VGA M-M MD/25 Male to Male VGA Molded Connector Cables 25' (Extron Electronics #26-238-03)	59.48
11 52 33 00-0084	EA	VGA M-M MD/35 Male to Male VGA Molded Connector Cables 35' (Extron Electronics #26-238-17)	83.99
11 52 33 00-0085	EA	VGA M-M MD/50 Male to Male VGA Molded Connector Cables 50' (Extron Electronics #26-238-18)	110.91
11 52 33 00-0086	EA	VGA M-M MD/75 Male to Male VGA Molded Connector Cables 75' (Extron Electronics #26-238-19)	148.61
11 52 33 00-0087	EA	VGA M-M MD/100 Male to Male VGA Molded Connector Cables 100' (Extron Electronics #26-238-20)	186.31
11 52 33 00-0088	EA	VGA M-M BK/3 Male to Male VGA Backshell Connector Cables 3' (Extron Electronics #26-238-24)	30.68
11 52 33 00-0089	EA	VGA M-M BK/6 Male to Male VGA Backshell Connector Cables 6' (Extron Electronics #26-238-25)	32.56
11 52 33 00-0090	EA	VGA M-M BK/10 Male to Male VGA Backshell Connector Cables 10' (Extron Electronics #26-238-26)	41.07
11 52 33 00-0091	EA	VGA M-M BK/15 Male to Male VGA Backshell Connector Cables 15' (Extron Electronics #26-238-27)	50.50
11 52 33 00-0092	EA	VGA M-M BK/25 Male to Male VGA Backshell Connector Cables 25' (Extron Electronics #26-238-28)	70.79
11 52 33 00-0093	EA	VGA M-M BK/35 Male to Male VGA Backshell Connector Cables 35' (Extron Electronics #26-238-16)	95.30
11 52 33 00-0094	EA	VGA M-M BK/50 Male to Male VGA Backshell Connector Cables 50' (Extron Electronics #26-238-04)	129.76
11 52 33 00-0095	EA	VGA M-M BK/75 Male to Male VGA Backshell Connector Cables 75' (Extron Electronics #26-238-05)	167.46
11 52 33 00-0096	EA	VGA M-M BK/100 Male to Male VGA Backshell Connector Cables 100' (Extron Electronics #26-238-06)	214.59
11 52 33 00-0097	EA	A Mini/2 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-01)	6.17
11 52 33 00-0098	EA	A Mini/9 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-03)	8.06
11 52 33 00-0099	EA	A Mini/12 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-06)	9.94
11 52 33 00-0100	EA	A Mini/25 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-07)	13.71

**11 53 Laboratory Equipment (11 50)****11 53 13 Laboratory Fume Hoods (11 53)****11 53 13 11 General Laboratory Fume Hoods (11 53 13)**

11 53 13 11-0001		Fume Hoods (Kewaunee Scientific) <small>(11 53 13 11)</small>	
11 53 13 11-0002		General Purpose Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H05) <small>(11 53 13 11-0001)</small>	
11 53 13 11-0003	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5448-00)	9,551.89
		Note: Includes material and installation	
11 53 13 11-0004	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5448-00)	10,156.16
		Note: Includes material and installation	
11 53 13 11-0005	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5448-00)	13,032.99
		Note: Includes material and installation	
11 53 13 11-0006	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5448-00)	9,005.80
		Note: Includes material and installation	
11 53 13 11-0007	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5460-00)	10,317.55
		Note: Includes material and installation	
11 53 13 11-0008	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5460-00)	10,921.81
		Note: Includes material and installation	





<b>Equipment</b>	<b>11</b>	
<b>Educational and Scientific Equipment</b>	<b>11 50</b>	<b>11</b>
<b>Laboratory Equipment</b>	<b>11 53</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0009	EA		5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5460-00)..... Note: Includes material and installation	13,821.16	
11 53 13 11-0010	EA		5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5460-00)..... Note: Includes material and installation	9,591.30	
11 53 13 11-0011	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5472-00)..... Note: Includes material and installation	9,940.35	
11 53 13 11-0012	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5472-00)..... Note: Includes material and installation	11,726.87	
11 53 13 11-0013	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5472-00)..... Note: Includes material and installation	14,496.74	
11 53 13 11-0014	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5472-00)..... Note: Includes material and installation	10,516.47	
11 53 13 11-0015	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5496-00)..... Note: Includes material and installation	13,537.79	
11 53 13 11-0016	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5496-00)..... Note: Includes material and installation	15,922.95	
11 53 13 11-0017	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5496-00)..... Note: Includes material and installation	18,735.97	
11 53 13 11-0018	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5496-00)..... Note: Includes material and installation	12,479.39	
11 53 13 11-0019	EA		4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5448B00)..... Note: Includes material and installation	9,700.15	
11 53 13 11-0020	EA		4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5448B00)..... Note: Includes material and installation	10,306.29	
11 53 13 11-0021	EA		4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5448B00)..... Note: Includes material and installation	13,186.87	
11 53 13 11-0022	EA		4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5448B00)..... Note: Includes material and installation	9,161.56	
11 53 13 11-0023	EA		5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5460B00)..... Note: Includes material and installation	10,488.32	
11 53 13 11-0024	EA		5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5460B00)..... Note: Includes material and installation	11,096.34	
11 53 13 11-0025	EA		5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5460B00)..... Note: Includes material and installation	13,988.18	
11 53 13 11-0026	EA		5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5460B00)..... Note: Includes material and installation	9,760.20	
11 53 13 11-0027	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5472B00)..... Note: Includes material and installation	11,304.64	
11 53 13 11-0028	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5472B00)..... Note: Includes material and installation	11,905.15	
11 53 13 11-0029	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5472B00)..... Note: Includes material and installation	14,675.01	
11 53 13 11-0030	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5472B00)..... Note: Includes material and installation	10,700.37	
11 53 13 11-0031	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5496B00)..... Note: Includes material and installation	13,736.71	
11 53 13 11-0032	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5496B00)..... Note: Includes material and installation	16,106.86	
11 53 13 11-0033	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5496B00)..... Note: Includes material and installation	18,936.77	
11 53 13 11-0034	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5496B00)..... Note: Includes material and installation	12,678.31	
11 53 13 11-0035			<b>Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash (Kewaunee Scientific H07)</b> <small>(11 53 13 11-0001)</small>		
11 53 13 11-0036	EA		4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5448B00)..... Note: Includes material and installation	10,959.34	

11	<b>11 Equipment</b>
	<b>11 50 Educational and Scientific Equipment</b>
	<b>11 53 Laboratory Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0037 EA 4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5448B00) ..... Note: Includes material and installation	11,561.73	
11 53 13 11-0038 EA 4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5448B00) ..... Note: Includes material and installation	14,444.19	
11 53 13 11-0039 EA 4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5448B00)..... Note: Includes material and installation	10,417.01	
11 53 13 11-0040 EA 5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5460B00) ..... Note: Includes material and installation	12,027.13	
11 53 13 11-0041 EA 5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5460B00) ..... Note: Includes material and installation	12,635.15	
11 53 13 11-0042 EA 5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5460B00) ..... Note: Includes material and installation	15,532.62	
11 53 13 11-0043 EA 5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5460B00)..... Note: Includes material and installation	11,304.64	
11 53 13 11-0044 EA 6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5472B00) ..... Note: Includes material and installation	12,933.53	
11 53 13 11-0045 EA 6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5472B00) ..... Note: Includes material and installation	13,537.79	
11 53 13 11-0046 EA 6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5472B00) ..... Note: Includes material and installation	16,307.65	
11 53 13 11-0047 EA 6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5472B00)..... Note: Includes material and installation	12,327.39	
11 53 13 11-0048 EA 8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5496B00) ..... Note: Includes material and installation	15,855.39	
11 53 13 11-0049 EA 8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5496B00) ..... Note: Includes material and installation	16,454.03	
11 53 13 11-0050 EA 8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5496B00) ..... Note: Includes material and installation	21,049.82	
11 53 13 11-0051 EA 8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5496B00)..... Note: Includes material and installation	14,802.62	
<b>11 53 13 11-0052 ADA Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H08)</b> <small>(11 53 13 11-0001)</small>		
11 53 13 11-0053 EA 4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5448-00)..... Note: Includes material and installation	9,643.85	
11 53 13 11-0054 EA 4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5448-00) ..... Note: Includes material and installation	10,259.37	
11 53 13 11-0055 EA 4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5448-00)..... Note: Includes material and installation	12,931.65	
11 53 13 11-0056 EA 4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5448-00) ..... Note: Includes material and installation	9,095.88	
11 53 13 11-0057 EA 5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5460-00)..... Note: Includes material and installation	10,407.62	
11 53 13 11-0058 EA 5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5460-00) ..... Note: Includes material and installation	10,931.20	
11 53 13 11-0059 EA 5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5460-00) ..... Note: Includes material and installation	13,804.27	
11 53 13 11-0060 EA 5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5460-00) ..... Note: Includes material and installation	9,683.26	
11 53 13 11-0061 EA 6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5472-00)..... Note: Includes material and installation	11,214.56	
11 53 13 11-0062 EA 6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5472-00) ..... Note: Includes material and installation	11,997.10	
11 53 13 11-0063 EA 6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5472-00) ..... Note: Includes material and installation	15,192.95	
11 53 13 11-0064 EA 6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5472-00) ..... Note: Includes material and installation	10,608.42	



<b>Equipment</b>	<b>11</b>	
<b>Educational and Scientific Equipment</b>	<b>11 50</b>	<b>11</b>
<b>Laboratory Equipment</b>	<b>11 53</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0065	EA		4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5448B00) ..... Note: Includes material and installation	9,792.10	
11 53 13 11-0066	EA		4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5448B00) ..... Note: Includes material and installation	10,435.77	
11 53 13 11-0067	EA		4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5448B00) ..... Note: Includes material and installation	13,162.47	
11 53 13 11-0068	EA		4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5448B00) ..... Note: Includes material and installation	9,251.64	
11 53 13 11-0069	EA		5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5460B00) ..... Note: Includes material and installation	10,582.15	
11 53 13 11-0070	EA		5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5460B00) ..... Note: Includes material and installation	11,120.73	
11 53 13 11-0071	EA		5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5460B00) ..... Note: Includes material and installation	14,053.86	
11 53 13 11-0072	EA		5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5460B00) ..... Note: Includes material and installation	9,848.40	
11 53 13 11-0073	EA		6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5472B00) ..... Note: Includes material and installation	11,396.59	
11 53 13 11-0074	EA		6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5472B00) ..... Note: Includes material and installation	12,205.41	
11 53 13 11-0075	EA		6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5472B00) ..... Note: Includes material and installation	15,465.06	
11 53 13 11-0076	EA		6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5472B00) ..... Note: Includes material and installation	10,790.45	
11 53 13 11-0077			<b>ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash (Kewaunee Scientific H09)</b> <small>(11 53 13 11-0001)</small>		
11 53 13 11-0078	EA		4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5448B00) ..... Note: Includes material and installation	13,143.71	
11 53 13 11-0079	EA		4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5448B00) ..... Note: Includes material and installation	14,290.31	
11 53 13 11-0080	EA		4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5448B00) ..... Note: Includes material and installation	18,171.12	
11 53 13 11-0081	EA		4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5448B00) ..... Note: Includes material and installation	12,601.37	
11 53 13 11-0082	EA		5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5460B00) ..... Note: Includes material and installation	14,209.62	
11 53 13 11-0083	EA		5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5460B00) ..... Note: Includes material and installation	15,303.67	
11 53 13 11-0084	EA		5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5460B00) ..... Note: Includes material and installation	19,490.37	
11 53 13 11-0085	EA		5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5460B00) ..... Note: Includes material and installation	13,485.25	
11 53 13 11-0086	EA		6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5472B00) ..... Note: Includes material and installation	15,116.01	
11 53 13 11-0087	EA		6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5472B00) ..... Note: Includes material and installation	16,485.93	
11 53 13 11-0088	EA		6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5472B00) ..... Note: Includes material and installation	21,029.18	
11 53 13 11-0089	EA		6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5472B00) ..... Note: Includes material and installation	14,513.62	
11 53 13 11-0090			<b>Isotope Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H20)</b> <small>(11 53 13 11-0001)</small>		
11 53 13 11-0091	EA		4' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5448-00) ..... Note: Includes material and installation	19,820.65	

**11 Equipment****11 50 Educational and Scientific Equipment****11 53 Laboratory Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0092	EA		5' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5460-00)..... Note: Includes material and installation	21,999.38	
11 53 13 11-0093	EA		6' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5472-00)..... Note: Includes material and installation	23,209.79	
11 53 13 11-0094	EA		8' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5496-00)..... Note: Includes material and installation	31,384.26	
11 53 13 11-0095	EA		4' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5448B00)..... Note: Includes material and installation	19,987.67	
11 53 13 11-0096	EA		5' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5460B00)..... Note: Includes material and installation	22,166.40	
11 53 13 11-0097	EA		6' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5472B00)..... Note: Includes material and installation	23,388.07	
11 53 13 11-0098	EA		8' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5496B00)..... Note: Includes material and installation	31,585.05	
11 53 13 11-0099			<b>Perchloric Acid Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H25)</b> <small>(11 53 13 11-0001)</small>		
11 53 13 11-0100	EA		4' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5448-00)..... Note: Includes material and installation	26,184.20	
11 53 13 11-0101	EA		5' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5460-00)..... Note: Includes material and installation	26,274.28	
11 53 13 11-0102	EA		6' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5472-00)..... Note: Includes material and installation	29,149.23	
11 53 13 11-0103			<b>HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash (Kewaunee Scientific HOPEC)</b> <small>(11 53 13 11-0001)</small>		
11 53 13 11-0104	EA		4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5448B00)..... Note: Includes material and installation	13,584.71	
11 53 13 11-0105	EA		4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5448B00)..... Note: Includes material and installation	14,190.85	
11 53 13 11-0106	EA		4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5448B00)..... Note: Includes material and installation	17,069.55	
11 53 13 11-0107	EA		4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5448B00)..... Note: Includes material and installation	13,038.62	
11 53 13 11-0108	EA		5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5460B00)..... Note: Includes material and installation	14,808.25	
11 53 13 11-0109	EA		5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5460B00)..... Note: Includes material and installation	15,414.39	
11 53 13 11-0110	EA		5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5460B00)..... Note: Includes material and installation	18,309.99	
11 53 13 11-0111	EA		5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5460B00)..... Note: Includes material and installation	14,083.88	
11 53 13 11-0112	EA		6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5472B00)..... Note: Includes material and installation	15,819.74	
11 53 13 11-0113	EA		6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5472B00)..... Note: Includes material and installation	16,420.25	
11 53 13 11-0114	EA		6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5472B00)..... Note: Includes material and installation	19,193.86	
11 53 13 11-0115	EA		6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5472B00)..... Note: Includes material and installation	15,211.72	
11 53 13 11-0116	EA		8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5496B00)..... Note: Includes material and installation	20,605.07	
11 53 13 11-0117	EA		8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5496B00)..... Note: Includes material and installation	21,209.33	
11 53 13 11-0118	EA		8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5496B00)..... Note: Includes material and installation	25,801.37	



<b>Equipment</b>	<b>11</b>	<b>11</b>
<b>Educational and Scientific Equipment</b>	<b>11 50</b>	
<b>Laboratory Equipment</b>	<b>11 53</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0119 EA 8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5496B00) ..... Note: Includes material and installation	19,548.54	
<b>11 53 13 11-0120 General Purpose Walk-In Fume Hood With Vertical Rising Sash (Kewaunee Scientific H30) <small>(11 53 13 11-0001)</small></b>		
11 53 13 11-0121 EA 4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9048-00) ..... Note: Includes material and installation	19,957.64	
11 53 13 11-0122 EA 4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9048-00) ..... Note: Includes material and installation	20,554.40	
11 53 13 11-0123 EA 4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9048-00) ..... Note: Includes material and installation	25,574.30	
11 53 13 11-0124 EA 4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9048-00) ..... Note: Includes material and installation	18,749.11	
11 53 13 11-0125 EA 5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9060-00) ..... Note: Includes material and installation	21,267.51	
11 53 13 11-0126 EA 5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9060-00) ..... Note: Includes material and installation	21,871.77	
11 53 13 11-0127 EA 5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9060-00) ..... Note: Includes material and installation	28,396.71	
11 53 13 11-0128 EA 5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9060-00) ..... Note: Includes material and installation	19,886.33	
11 53 13 11-0129 EA 6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9072-00) ..... Note: Includes material and installation	22,567.99	
11 53 13 11-0130 EA 6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9072-00) ..... Note: Includes material and installation	23,166.63	
11 53 13 11-0131 EA 6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9072-00) ..... Note: Includes material and installation	30,429.07	
11 53 13 11-0132 EA 6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9072-00) ..... Note: Includes material and installation	22,020.02	
11 53 13 11-0133 EA 8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9096-00) ..... Note: Includes material and installation	28,809.56	
11 53 13 11-0134 EA 8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9096-00) ..... Note: Includes material and installation	29,417.58	
11 53 13 11-0135 EA 8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9096-00) ..... Note: Includes material and installation	39,449.89	
11 53 13 11-0136 EA 8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9096-00) ..... Note: Includes material and installation	27,381.47	
11 53 13 11-0137 EA 4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9048B00) ..... Note: Includes material and installation	20,111.52	
11 53 13 11-0138 EA 4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9048B00) ..... Note: Includes material and installation	20,704.53	
11 53 13 11-0139 EA 4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9048B00) ..... Note: Includes material and installation	25,728.19	
11 53 13 11-0140 EA 4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9048B00) ..... Note: Includes material and installation	18,901.12	
11 53 13 11-0141 EA 5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9060B00) ..... Note: Includes material and installation	21,438.28	
11 53 13 11-0142 EA 5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9060B00) ..... Note: Includes material and installation	22,040.67	
11 53 13 11-0143 EA 5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9060B00) ..... Note: Includes material and installation	28,569.36	
11 53 13 11-0144 EA 5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9060B00) ..... Note: Includes material and installation	20,058.98	
11 53 13 11-0145 EA 6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9072B00) ..... Note: Includes material and installation	22,748.15	
11 53 13 11-0146 EA 6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9072B00) ..... Note: Includes material and installation	23,348.66	

11	<b>11 Equipment</b>
	<b>11 50 Educational and Scientific Equipment</b>
	<b>11 53 Laboratory Equipment</b>



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0147	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9072B00) ..... Note: Includes material and installation	30,611.10	
11 53 13 11-0148	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9072B00) ..... Note: Includes material and installation	22,203.93	
11 53 13 11-0149	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9096B00) ..... Note: Includes material and installation	29,002.85	
11 53 13 11-0150	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9096B00) ..... Note: Includes material and installation	29,612.75	
11 53 13 11-0151	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9096B00) ..... Note: Includes material and installation	39,643.18	
11 53 13 11-0152	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9096B00) ..... Note: Includes material and installation	27,578.51	
<b>11 53 13 11-0153</b>		<b>Stand Alone, TruView® Teaching Hoods (Kewaunee Scientific T90)</b> <small>(11 53 13 11-0001)</small>		
11 53 13 11-0154	EA	4' Wide, Stand Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3048-SA) ..... Note: Includes material and installation	16,268.25	
11 53 13 11-0155	EA	5' Wide, Stand Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3060-SA) ..... Note: Includes material and installation	18,544.56	
11 53 13 11-0156	EA	6' Wide, Stand Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3072-SA) ..... Note: Includes material and installation	20,098.39	
11 53 13 11-0157	EA	4' Wide, Stand Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6048-SA) ..... Note: Includes material and installation	28,713.86	
11 53 13 11-0158	EA	5' Wide, Stand Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6060-SA) ..... Note: Includes material and installation	32,881.79	
11 53 13 11-0159	EA	6' Wide, Stand Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6072-SA) ..... Note: Includes material and installation	34,979.82	
<b>11 53 13 11-0160</b>		<b>Options For Fume Hoods (Kewaunee Scientific)</b> <small>(11 53 13 11-0001)</small>		
11 53 13 11-0161	EA	Single Point Adjustable Baffles (Kewaunee Scientific Option C) ..... Note: Includes material and installation	433.49	
11 53 13 11-0162	EA	Fire Extinguisher (Kewaunee Scientific Option E) ..... Note: Includes material and installation	1,876.60	
11 53 13 11-0163	EA	Stainless Steel Lower Deflector Vane (Kewaunee Scientific Option O) ..... Note: Includes material and installation	311.52	
11 53 13 11-0164	EA	4' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-48B) ..... Note: Includes material and installation	1,277.96	
11 53 13 11-0165	EA	5' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-60B) ..... Note: Includes material and installation	1,493.77	
11 53 13 11-0166	EA	6' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-72B) ..... Note: Includes material and installation	1,722.72	
11 53 13 11-0167	EA	8' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-96B) ..... Note: Includes material and installation	2,229.40	
11 53 13 11-0168	EA	4' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-48B) ..... Note: Includes material and installation	1,277.96	
11 53 13 11-0169	EA	5' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-60B) ..... Note: Includes material and installation	1,493.77	
11 53 13 11-0170	EA	6' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-72B) ..... Note: Includes material and installation	1,722.72	
11 53 13 11-0171	EA	4' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-48B) ..... Note: Includes material and installation	1,277.96	
11 53 13 11-0172	EA	5' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-60B) ..... Note: Includes material and installation	1,493.77	
11 53 13 11-0173	EA	6' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-72B) ..... Note: Includes material and installation	1,722.72	
11 53 13 11-0174	EA	8' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-96B) ..... Note: Includes material and installation	2,229.40	
11 53 13 11-0175	EA	4' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-48B) ..... Note: Includes material and installation	1,334.26	
11 53 13 11-0176	EA	5' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-60B) ..... Note: Includes material and installation	1,559.45	
11 53 13 11-0177	EA	6' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-72B) ..... Note: Includes material and installation	1,803.41	
11 53 13 11-0178	EA	8' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-96B) ..... Note: Includes material and installation	2,334.49	
11 53 13 11-0179	EA	Black Poly Cupsink (Kewaunee Scientific 0491-BP) ..... Note: Includes material and installation	167.02	
11 53 13 11-0180	EA	Stainless Steel Cupsink (Kewaunee Scientific 0950-0F) ..... Note: Includes material and installation	1,570.71	
11 53 13 11-0181	EA	Air Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3A-I) ..... Note: Includes material and installation	598.64	



<b>Equipment</b>	<b>11</b>	
<b>Educational and Scientific Equipment</b>	<b>11 50</b>	<b>11</b>
<b>Laboratory Equipment</b>	<b>11 53</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0182 EA Gas Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3G-I) ..... 598.64 Note: Includes material and installation	598.64	
11 53 13 11-0183 EA Vacuum Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3V-I) ..... 598.64 Note: Includes material and installation	598.64	
11 53 13 11-0184 EA Steam Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3S-I) ..... 668.07 Note: Includes material and installation	668.07	
11 53 13 11-0185 EA Cold Water Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3W-I) ..... 668.07 Note: Includes material and installation	668.07	
11 53 13 11-0186 EA Distilled Water Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3D-I) ..... 990.84 Note: Includes material and installation	990.84	
11 53 13 11-0187 EA Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 27-3/4" Long Handle (Kewaunee Scientific W-0864-3WV-I) ..... 1,013.36 Note: Includes material and installation	1,013.36	
11 53 13 11-0188 EA Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 12-1/2" Long Handle (Kewaunee Scientific W-0864-3WVA-I) ..... 1,039.64 Note: Includes material and installation	1,039.64	
11 53 13 11-0189 EA Hot And Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 27-3/4" Long Handle (Kewaunee Scientific W-0868-3WV-I) ..... 1,613.88 Note: Includes material and installation	1,613.88	
11 53 13 11-0190 EA Hot And Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 12-1/2" Long Handle (Kewaunee Scientific W-0868-3WVA-I) ..... 1,675.80 Note: Includes material and installation	1,675.80	
<b>11 53 13 11-0191 Base Cabinets For Fume Hoods (Kewaunee Scientific) <small>(11 53 13 11-0001)</small></b>		
11 53 13 11-0192 EA 24" Long x 35-3/4" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3724-0) ..... 1,174.75 Note: Includes material and installation	1,174.75	
11 53 13 11-0193 EA 30" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3730-0) ..... 1,431.85 Note: Includes material and installation	1,431.85	
11 53 13 11-0194 EA 36" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3736-0) ..... 1,506.91 Note: Includes material and installation	1,506.91	
11 53 13 11-0195 EA 48" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3748-0) ..... 1,555.70 Note: Includes material and installation	1,555.70	
11 53 13 11-0196 EA 60" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3760-0) ..... 1,698.32 Note: Includes material and installation	1,698.32	
11 53 13 11-0197 EA 24" Long x 35-3/4" High x 22" Deep, Single Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3624-0) ..... 1,174.75 Note: Includes material and installation	1,174.75	
11 53 13 11-0198 EA 30" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3630-0) ..... 1,431.85 Note: Includes material and installation	1,431.85	
11 53 13 11-0199 EA 36" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3636-0) ..... 1,518.17 Note: Includes material and installation	1,518.17	
11 53 13 11-0200 EA 48" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3648-0) ..... 1,555.70 Note: Includes material and installation	1,555.70	
11 53 13 11-0201 EA 60" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3660-0) ..... 1,698.32 Note: Includes material and installation	1,698.32	
11 53 13 11-0202 EA 15" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3115-0) ..... 1,182.26 Note: Includes material and installation	1,182.26	
11 53 13 11-0203 EA 18" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3118-0) ..... 1,251.69 Note: Includes material and installation	1,251.69	
11 53 13 11-0204 EA 21" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3121-0) ..... 1,306.11 Note: Includes material and installation	1,306.11	
11 53 13 11-0205 EA 24" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3124-0) ..... 1,323.00 Note: Includes material and installation	1,323.00	
11 53 13 11-0206 EA 24" Long x 35-3/4" High x 22" Deep, Single Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3724-01) ..... 2,859.94 Note: Includes material and installation	2,859.94	
11 53 13 11-0207 EA 30" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3730-01) ..... 3,779.47 Note: Includes material and installation	3,779.47	
11 53 13 11-0208 EA 36" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3736-01) ..... 3,950.24 Note: Includes material and installation	3,950.24	
11 53 13 11-0209 EA 48" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3748-01) ..... 4,513.22 Note: Includes material and installation	4,513.22	
11 53 13 11-0210 EA 24" Long x 35-3/4" High x 22" Deep, Single Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3724-0) ..... 2,261.30 Note: Includes material and installation	2,261.30	

11	<b>11 Equipment</b>
	<b>11 50 Educational and Scientific Equipment</b>
	<b>11 53 Laboratory Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0211 EA 30" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3730-0).....	2,627.24	
Note: Includes material and installation		
11 53 13 11-0212 EA 36" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3736-0).....	2,672.28	
Note: Includes material and installation		
11 53 13 11-0213 EA 48" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3748-0).....	2,829.91	
Note: Includes material and installation		
11 53 13 11-0214 EA 60" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3760-0).....	3,100.14	
Note: Includes material and installation		
11 53 13 11-0215 EA 24" Long x 35-3/4" High x 22" Deep, Single Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3724-0).....	2,036.11	
Note: Includes material and installation		
11 53 13 11-0216 EA 30" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3730-0).....	2,304.46	
Note: Includes material and installation		
11 53 13 11-0217 EA 36" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3736-0).....	2,396.42	
Note: Includes material and installation		
11 53 13 11-0218 EA 48" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3748-0).....	2,548.42	
Note: Includes material and installation		
11 53 13 11-0219 EA 60" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3760-0).....	2,745.47	
Note: Includes material and installation		
<b>11 53 13 11-0220 Filters And Housing For Fume Hoods (Kewaunee Scientific) <small>(11 53 13 11-0001)</small></b>		
11 53 13 11-0221 EA Painted CRS Filter Housing (Kewaunee Scientific X-016869).....	1,854.08	
Note: Includes material and installation		
11 53 13 11-0222 EA Stainless Steel Filter Housing (Kewaunee Scientific X-016868).....	21,635.32	
Note: Includes material and installation		
11 53 13 11-0223 EA High Efficiency Filter (Kewaunee Scientific 0864-00).....	1,854.08	
Note: Includes material and installation		
11 53 13 11-0224 EA Charcoal Absorber (Kewaunee Scientific 0855-00).....	21,635.32	
Note: Includes material and installation		
11 53 13 11-0225 EA Prefilter (Kewaunee Scientific 0863-00).....	138.87	
Note: Includes material and installation		
<b>11 53 13 11-0226 Centrifugal Fans For Fume Hoods (Kewaunee Scientific) <small>(11 53 13 11-0001)</small></b>		
11 53 13 11-0227 EA 1/4 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0902-T1).....	5,004.89	
Note: Includes material and installation		
11 53 13 11-0228 EA 1/3 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0903-T1).....	5,143.76	
Note: Includes material and installation		
11 53 13 11-0229 EA 1/2 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0905-T1).....	5,213.19	
Note: Includes material and installation		
11 53 13 11-0230 EA 3/4 HP, Single-Phase, 10" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1008-T1).....	5,763.98	
Note: Includes material and installation		
11 53 13 11-0231 EA 1 HP, Single-Phase, 13" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1310-T1).....	6,314.76	
Note: Includes material and installation		
11 53 13 11-0232 EA 1-1/2 HP, Single-Phase, 14-1/2" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1415-T1).....	9,055.53	
Note: Includes material and installation		
11 53 13 11-0233 EA 2 HP, Single-Phase, 16-1/8" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1620-T1).....	11,796.31	
Note: Includes material and installation		
<b>11 53 13 11-0234 Exhaust Stacks And Adapters For Fume Hoods (Kewaunee Scientific) <small>(11 53 13 11-0001)</small></b>		
11 53 13 11-0235 EA 6-9/16" Diameter x 99-1/8" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00).....	833.21	
Note: Includes material and installation		
11 53 13 11-0236 EA 8-1/16" Diameter x 97-7/8" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00).....	913.90	
Note: Includes material and installation		
11 53 13 11-0237 EA 9-11/16" Diameter x 92-1/2" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00).....	930.79	
Note: Includes material and installation		
11 53 13 11-0238 EA 10-13/16" Diameter x 91-1/4" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00).....	1,024.62	
Note: Includes material and installation		
11 53 13 11-0239 EA 11-11/16" Diameter x 90-3/4" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00).....	1,127.91	
Note: Includes material and installation		
11 53 13 11-0240 EA 6-9/16" Diameter x 10-13/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-0912-00).....	1,193.52	
Note: Includes material and installation		
11 53 13 11-0241 EA 8-1/16" Diameter x 11-13/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1012-00).....	1,298.61	
Note: Includes material and installation		
11 53 13 11-0242 EA 9-11/16" Diameter x 13-5/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1312-00).....	1,424.34	
Note: Includes material and installation		
11 53 13 11-0243 EA 10-13/16" Diameter x 14-11/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1412-00).....	1,495.65	
Note: Includes material and installation		
11 53 13 11-0244 EA 11-11/16" Diameter x 16-15/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1612-00).....	1,523.80	
Note: Includes material and installation		
11 53 13 11-0245 EA 11-15/16" Diameter x 9-1/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1209-00).....	925.16	
Note: Includes material and installation		





<b>Equipment</b>	<b>11</b>	<b>11</b>
<b>Educational and Scientific Equipment</b>	<b>11 50</b>	
<b>Laboratory Equipment</b>	<b>11 53</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0246	EA		11-15/16" Diameter x 10-1/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1210-00) ..... 955.19 Note: Includes material and installation	955.19	
11 53 13 11-0247	EA		11-15/16" Diameter x 13-5/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1213-00) ..... 973.96 Note: Includes material and installation	973.96	
11 53 13 11-0248	EA		11-15/16" Diameter x 14-9/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1214-00) ..... 1,013.36 Note: Includes material and installation	1,013.36	
11 53 13 11-0249	EA		11-15/16" Diameter x 16-3/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1216-00) ..... 1,097.81 Note: Includes material and installation	1,097.81	
<b>11 53 13 11-0250</b>			<b>Biological Fume Hoods And Cabinets</b> <small>(11 53 13 11)</small> Note: VWR scientific or approved equal. VWR model number listed for reference. Equipment set in place and final connections. Excludes piping, ductwork and electrical rough-ins. Other accepted manufactures: NuAire, Forma and Baker or equal.		
<b>11 53 13 11-0251</b>			<b>Purifier® Logic® Class II, Type A2 Biosafety Cabinets (VWR 9700)</b> <small>(11 53 13 11-0250)</small> Note: Includes two high efficiency particulate air (HEPA) filters, fluorescent lighting, UV lamp, 8" or 10" sash, LCD information center and service fixtures. Excludes base stand.		
11 53 13 11-0252	EA		3' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700)..... 17,190.80	17,190.80	780.77
11 53 13 11-0253	EA		4' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700)..... 19,197.99	19,197.99	780.77
11 53 13 11-0254	EA		5' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700)..... 22,795.23	22,795.23	884.77
11 53 13 11-0255	EA		6' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700)..... 24,122.83	24,122.83	884.77
<b>11 53 13 11-0256</b>			<b>Base Stands For Purifier® Logic® Biosafety Cabinets (VWR)</b> <small>(11 53 13 11-0250)</small> Note: ADA compliant. Includes epoxy coating.		
11 53 13 11-0257	EA		3' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR) ..... 1,447.06	1,447.06	114.52
11 53 13 11-0258	EA		4' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR) ..... 1,574.24	1,574.24	145.77
11 53 13 11-0259	EA		5' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR) ..... 1,665.81	1,665.81	177.00
11 53 13 11-0260	EA		6' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR) ..... 1,840.63	1,840.63	208.23
<b>11 53 39</b>			<b>Laboratory Cooling Chillers</b> <small>(11 53)</small>		
<b>11 53 39 00-0001</b>			<b>Recirculating Chiller</b> <small>(11 53 39)</small>		
11 53 39 00-0002	EA		Recirculating Chiller With Pump 1 HP, 115 Volt, 60 Hertz (Thermo Scientific NESLAB Thermoflex 1400) ..... 8,709.89	8,709.89	
11 53 39 00-0003	EA		Recirculating Chiller With Pump 2 HP, 115 Volt, 60 Hertz (Thermo Scientific NESLAB Thermoflex 1400) ..... 9,576.05	9,576.05	
11 53 39 00-0004	EA		Recirculating Chiller With Pump 1 HP, 208 Volt, 60 Hertz (Thermo Scientific NESLAB Thermoflex 2500) ..... 10,287.16	10,287.16	
11 53 39 00-0005	EA		Recirculating Chiller With Pump 2 HP, 208 Volt, 60 Hertz (Thermo Scientific NESLAB Thermoflex 2500) ..... 11,153.32	11,153.32	
<b>11 60</b>			<b>Entertainment and Recreation Equipment</b> <small>(11)</small>		
<b>11 61</b>			<b>Broadcast, Theater, and Stage Equipment</b> <small>(11 60)</small>		
<b>11 61 23</b>			<b>Folding and Portable Stages</b> <small>(11 61)</small>		
<b>11 61 23 00-0001</b>			<b>Roll Out Stage, Steel Frame, Wood Floor</b> <small>(11 61 23)</small>		
11 61 23 00-0002	SF		Roll Out Stage, Manual With Steel Frame And Wood Floor ..... 99.47	99.47	5.55
11 61 23 00-0003	SF		Roll Out Stage, Electric With Steel Frame And Wood Floor ..... 136.14	136.14	5.93
<b>11 61 23 00-0004</b>			<b>Portable Stages, With Steps, Folding Legs, Stock Design</b> <small>(11 61 23)</small> Note: A heavy-gauge steel frame supports the solid plywood deck. Supports 200 pounds per square foot and folds to less than two inches high for storage and transport.		
11 61 23 00-0005	SF		Portable Stage, 8" High Hardwood Deck With Steps And Folding Legs ..... 33.49	33.49	1.99
11 61 23 00-0006	SF		Portable Stage, 16" High Hardwood Deck With Steps And Folding Legs ..... 36.86	36.86	2.18
11 61 23 00-0007	SF		Portable Stage, 24" High Hardwood Deck With Steps And Folding Legs ..... 38.20	38.20	2.38
11 61 23 00-0008	SF		Portable Stage, 32" High Hardwood Deck With Steps And Folding Legs ..... 39.36	39.36	2.48
11 61 23 00-0009	SF		Portable Stage, 48" High Hardwood Deck With Steps And Folding Legs ..... 42.23	42.23	2.64
<b>11 61 23 00-0010</b>			<b>Telescoping Platforms, Aluminum</b> <small>(11 61 23)</small>		
11 61 23 00-0011	SF		Telescoping Platforms, Aluminum Straight, Minimum ..... 122.26	122.26	4.76
11 61 23 00-0012	SF		Telescoping Platforms, Aluminum Straight ..... 143.53	143.53	4.76
11 61 23 00-0013	SF		Telescoping Platforms, Aluminum Pie Shaped, Minimum ..... 143.50	143.50	7.93
11 61 23 00-0014	SF		Telescoping Platforms, Aluminum Pie Shaped ..... 170.09	170.09	7.93
<b>11 61 23 00-0015</b>			<b>Band Risers, Steel Frame, Plywood Deck</b> <small>(11 61 23)</small>		
11 61 23 00-0016	SF		8" High Band Risers, Steel Frame Wood Deck ..... 49.71	49.71	1.99
11 61 23 00-0017	SF		12" High Band Risers, Steel Frame Wood Deck ..... 53.22	53.22	1.99
11 61 23 00-0018	SF		16" High Band Risers, Steel Frame Wood Deck ..... 55.93	55.93	1.99
11 61 23 00-0019	SF		24" High Band Risers, Steel Frame Wood Deck ..... 59.50	59.50	1.99
<b>11 61 23 00-0020</b>			<b>Chairs For Risers, Self Storing</b> <small>(11 61 23)</small>		
11 61 23 00-0021	EA		Chairs For Risers, Self Storing ..... 126.26	126.26	3.97

11	<b>11</b>	<b>Equipment</b>
	<b>11 60</b>	<b>Entertainment and Recreation Equipment</b>
	<b>11 66</b>	<b>Athletic Equipment</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**11 66 Athletic Equipment** (11 60)

**11 66 13 Exercise Equipment** (11 66)

**11 66 13 00-0001 Fitness Systems** (11 66 13)

**11 66 13 00-0002 Components For Physical Fitness Activities** (11 66 13 00-0001)

11 66 13 00-0003	EA	Sit And Reach.....	1,326.74	99.70
11 66 13 00-0004	EA	Isometric Squat.....	494.69	39.88
11 66 13 00-0005	EA	Log Jump.....	3,207.86	159.51
11 66 13 00-0006	EA	Step Up.....	723.18	79.76
11 66 13 00-0007	EA	Hip Rotation.....	3,520.27	139.58
11 66 13 00-0008	EA	Body Curl.....	1,302.52	79.76
11 66 13 00-0009	EA	Horizontal Ladder.....	4,256.92	159.51
11 66 13 00-0010	EA	Chin Up.....	3,223.52	159.51
11 66 13 00-0011	EA	Push Up.....	1,967.96	79.76
11 66 13 00-0012	EA	Leg Raise.....	2,752.33	119.64
11 66 13 00-0013	EA	Log Hop.....	1,246.25	39.88
11 66 13 00-0014	EA	Parallel Bar.....	2,646.64	119.64
11 66 13 00-0015	EA	Leg Stretch.....	1,114.62	79.76
11 66 13 00-0016	EA	Balance Beam.....	1,000.38	59.81
11 66 13 00-0017	EA	Log Roll.....	3,158.68	99.70

**11 66 13 00-0018 Wall Mounted Equipment** (11 66 13)

11 66 13 00-0019	SET	Parallel Bars, Wall Mounted.....	4,331.27	573.05
11 66 13 00-0020	EA	Exercise Ladder, Wall Mounted.....	3,209.07	11.94
11 66 13 00-0021	EA	3'-6" Wide Chin Up Bar, Wall Mounted.....	367.37	23.88
11 66 13 00-0022	EA	10" Wide Chin Up Bar, Wall Mounted.....	731.50	35.81

**11 66 23 Gymnasium Equipment** (11 66)

**11 66 23 13 Basketball Equipment** (11 66 23)

**11 66 23 13-0001 Basketball Equipment** (11 66 23 13)

11 66 23 13-0002	EA	4' To 6' Extension, Wall Mounted, Stationary Basketball Backstop System With 54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 312F46).....	3,961.28	859.56
		Note: Includes rim and net.		
		For Glass Backstop, Add	500.00	
		For Fiberglass Backstop, Add	200.00	
11 66 23 13-0003	EA	6' Ceiling Mounted Basketball Backstop Wood, Fixed Type, With Support Structure.....	5,450.44	859.56
		Note: Includes rim and net.		
		For Glass Backstop, Add	500.00	
		For Fiberglass Backstop, Add	200.00	
11 66 23 13-0004	EA	Ceiling Mounted Basketball Backstop Wood, Swing-up Type (Either Forward Or Backward), With Support Structure.....	6,681.58	1,146.08
		Note: Includes rim and net.		
		For Glass Backstop, Add	500.00	
		For Electrically Operated, Add	2,182.61	
		For Fiberglass Backstop, Add	200.00	
11 66 23 13-0005	EA	72" x 42" x 1/2", Center-Strut® Rectangular Glass Backboard (Porter Athletic 00208-00).....	1,811.60	238.76
		Note: For indoor use. Includes fully tempered glass.		
11 66 23 13-0006	EA	48" Recreational Backboard Pad (Porter Athletic 00324-648).....	258.85	23.88
11 66 23 13-0007	EA	54" Recreational Backboard Pad (Porter Athletic 00324-654).....	288.07	28.65
11 66 23 13-0008	EA	72" Recreational Backboard Pad (Porter Athletic 00324-672).....	312.04	33.43
11 66 23 13-0009	EA	Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120).....	33.60	9.55

**11 66 23 23 Volleyball Equipment** (11 66 23)

11 66 23 23-0001	EA	Economy End Upright Padding, Each, Wrap Around Pads Only.....	815.40	59.85
		Note: Porter Athletic model # 717-003.		
11 66 23 23-0002	EA	Net Tension Cover Pads, 1 Pair.....	183.46	13.47
		Note: Porter Athletic model # 00816-003.		
11 66 23 23-0003	EA	32' L x 39" H Power Volleyball Net.....	601.35	44.15
		Note: Porter Athletic model # 02255-000.		
11 66 23 23-0004	EA	White Polyester Reinforced Boundary Markers, One Pair.....	106.55	4.30
		Note: Porter Athletic model # 02297-000.		
11 66 23 23-0005	EA	Power-Line Net Antenna, One Pair.....	368.70	9.08
		Note: Porter Athletic model # 02296-100.		
11 66 23 23-0006	EA	32' x 39" Power-Line Competition Volleyball Net.....	681.39	42.98
		Note: Porter Athletic model # 02295-640.		
11 66 23 23-0007	EA	Competition Center Standard Padding, Standard Red.....	672.29	19.10
		Note: Porter Athletic model # 00839-103.		
		For Colors Other Than Standard Red, Add	22.00	
		Note: Includes sky blue, royal blue, white, orange, yellow, beige, gray, maroon, purple, black, navy, kelly green, dark green.		
11 66 23 23-0008	EA	Judge's Stand, Attaches To Standard.....	1,348.22	47.75
		Note: Porter Athletic model # 00889-100.		



<b>Equipment</b>	<b>11</b>	
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>	<b>11</b>
<b>Athletic Equipment</b>	<b>11 66</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 66 23 23-0009	EA		Judge's Stand Padding..... Note: Porter Athletic model # 00993-103. <i>For Colors Other Than Standard Red, Add</i> Note: Includes sky blue, royal blue, white, orange, yellow, beige, gray, maroon, purple, black, navy, kelly green, dark green.	960.22 30.00	23.88
11 66 23 23-0010	EA		Power-Line Aluminum Uprights, One Pair..... Note: Porter Athletic model # 01991-000.	3,910.36	47.75
11 66 23 23-0011	EA		2-3/8" Round Ground/Floor Sleeve..... Note: Porter Athletic model # 00402-000.	225.12	4.30
11 66 23 23-0012	EA		3-1/2" Round Ground/Floor Sleeve..... Note: Porter Athletic model # 00403-000.	261.20	4.30
11 66 23 23-0013	EA		4" Round Ground/Floor Sleeve..... Note: Porter Athletic model # 00404-000.	281.83	4.30
<b>11 66 23 53 Wall Padding (11 66 23)</b>					
<b>11 66 23 53-0001 Gymnasium Wall Padding (11 66 23 53)</b> Note: Includes wall padding, 7/16" thick oriented strand board backing with or without nailing strip, vinyl cover and mounting screws. Excludes removable wall attachment fittings. See CSI section 11 66 23 53-0008 for wall attachment fittings.					
11 66 23 53-0002	SF		2" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe)..... Note: Includes cutting and re-upholstering wall pads to accommodate existing, e.g., lights, outlets, switches, grilles, fire alarm, etc. <i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	15.82 5.38	1.80
11 66 23 53-0003	SF		3" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe)..... Note: Includes cutting and re-upholstering wall pads to accommodate existing, e.g., lights, outlets, switches, grilles, fire alarm, etc. <i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	21.30 5.38	1.98
11 66 23 53-0004	SF		2" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe)..... <i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	24.78 5.38	1.80
11 66 23 53-0005	SF		3" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe)..... <i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	38.92 5.38	1.98
11 66 23 53-0006	SF		2" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe)..... <i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	31.73 5.38	1.80
11 66 23 53-0007	SF		3" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe)..... <i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	47.23 5.38	1.98
<b>11 66 23 53-0008 Gymnasium Wall Padding Accessories (11 66 23 53)</b>					
11 66 23 53-0009	LF		"Z" Wall/Panel Attachment Clips For Wall Pads..... Note: Extruded aluminum. Typically requires two clips mounted to wall and two clips mounted to panel for a 6' high wall pad.	9.41	2.62
11 66 23 53-0010	LF		Molding Channel Wall Attachment For Wall Pads..... Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Can be used with "Z" clip to secure top of pad.	14.66	2.62
11 66 23 53-0011	LF		Floor Molding Channel Wall Attachment For Wall Pads..... Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Provides contoured molding strip from panel to the floor.	15.33	2.62
11 66 23 53-0012	EA		Single Or Double Gang Molded Inserts For Electrical Outlets For Wall Pads.....	50.83	
<b>11 66 43 Interior Scoreboards (11 66)</b>					
<b>11 66 43 00-0001 Scoreboards And Shot Clocks (11 66 43)</b>					
11 66 43 00-0002	EA		8' x 3' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2700)..... Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls. <i>For Scoreboard Only, No Controls, Deduct</i> <i>For Control Carrying Case, Add</i> <i>For Wireless Controls, Add</i>	5,072.10 -321.00 59.00 888.21	288.72
11 66 43 00-0003	EA		8' x 6' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2750)..... Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls. <i>For Scoreboard Only, No Controls, Deduct</i> <i>For Control Carrying Case, Add</i> <i>For Wireless Controls, Add</i>	7,383.20 -321.00 59.00 888.21	481.20
11 66 43 00-0004	EA		12' x 8' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2760)..... Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls. <i>For Scoreboard Only, No Controls, Deduct</i> <i>For Control Carrying Case, Add</i> <i>For Wireless Controls, Add</i>	11,641.82 -321.00 59.00 888.21	577.44
11 66 43 00-0005	EA		9' Long x 5' High x 4" Deep Indoor Multi-Sport Scoreboard (Fair-Play BB-1620-4).....	8,733.20	481.20
11 66 43 00-0006	EA		1.66' Long x 1.41' High x 6.5" Deep Shot Clock Set (Fair-Play ST-1410-4)..... Note: Set includes two shot clocks.	3,635.49	192.48
<b>11 66 53 Gymnasium Dividers (11 66)</b>					
<b>11 66 53 11 Gymnasium Dividers (11 66 53)</b>					
<b>11 66 53 11-0001 Gymnasium Dividers (11 66 53 11)</b>					
11 66 53 11-0002	SF		Gym Divider, Manual Mesh Top And Vinyl Bottom.....	6.86	1.09
11 66 53 11-0003	SF		Gym Divider, Electric Roll Up Mesh Top And Vinyl Bottom.....	11.98	1.09

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**11 68 Play Field Equipment and Structures** (11 60)**11 68 13 Playground Equipment** (11 68)

See CSI section 32 31 13 13-0001 for augering holes and fill for posts.

**11 68 13 00-0001 Standalone Playground Equipment** (11 68 13)**11 68 13 00-0002 Ground Socket For Movable Posts** (11 68 13 00-0001)

11 68 13 00-0003	PR	Ground Socket For 2-3/8" Post For Playground Equipment.....	260.71	53.85
11 68 13 00-0004	PR	Ground Socket For 3-1/2" Post For Playground Equipment.....	404.50	53.85

**11 68 13 00-0005 See-Saws** (11 68 13 00-0001)**11 68 13 00-0006 Steel See-Saw** (11 68 13 00-0005)

11 68 13 00-0007	EA	2 Unit Steel See-Saw.....	2,214.27	331.41
11 68 13 00-0008	EA	4 Unit Steel See-Saw.....	3,607.75	391.63
11 68 13 00-0009	EA	6 Unit Steel See-Saw.....	5,011.74	478.67

**11 68 13 00-0010 14' Long Laminated Beam** (11 68 13 00-0005)

11 68 13 00-0011	EA	Beam Is Supported By Two 12 In x 12 In Stepping Column Posts.....	2,375.20	293.03
11 68 13 00-0012	EA	Beam Is Supported By Two 8 In x 8 In Posts.....	1,639.85	261.04

**11 68 13 00-0013 Slides** (11 68 13 00-0001)

11 68 13 00-0014	EA	8' Long x 4' High Slide With Stainless Steel Bed.....	2,838.06	378.95
11 68 13 00-0015	EA	12' Long x 6' High Slide With Stainless Steel Bed.....	3,966.89	538.51
11 68 13 00-0016	EA	16' Long x 8' High Slide With Stainless Steel Bed.....	4,392.68	598.34
11 68 13 00-0017	EA	20' Long x 10' High Slide With Stainless Steel Bed.....	5,552.80	662.80
11 68 13 00-0018	EA	6' High, 360 Degree One Piece Molded Polyethylene Slide.....	14,283.54	1,042.63
11 68 13 00-0019	EA	7' High, 360 Degree Slide, Stainless Steel Bed.....	17,854.96	1,075.59
11 68 13 00-0020	EA	9' High, 360 Degree Slide, Stainless Steel Bed.....	22,542.04	1,130.47

**11 68 13 00-0021 Whirlers** (11 68 13 00-0001)

11 68 13 00-0022	EA	8' Diameter Whirler.....	5,985.76	718.02
11 68 13 00-0023	EA	10' Diameter Whirler.....	6,947.24	861.62

**11 68 13 00-0024 Other Standalone Playground Equipment** (11 68 13 00-0001)**11 68 13 00-0025 Miscellaneous Standalone Playground Equipment** (11 68 13 00-0024)

11 68 13 00-0026	EA	Horizontal Ladder.....	1,917.15	191.82
11 68 13 00-0027	EA	Tether Ball Post.....	324.16	37.50
11 68 13 00-0028	PR	10'-6" Long Multiple Purpose Post.....	493.48	66.30
11 68 13 00-0029	EA	3-Person Fiberglass Golf Tee Shelter Turntable.....	8,006.17	187.32
11 68 13 00-0030	EA	Horizontal Turning Bars, 1 Bar.....	608.07	100.09
11 68 13 00-0031	EA	Horizontal Turning Bars, 2 Bars.....	823.80	119.64
11 68 13 00-0032	EA	Horizontal Turning Bars, 3 Bars.....	1,110.96	159.51
11 68 13 00-0033	EA	Horizontal Turning Bars, 5 Bars.....	1,626.55	219.34
11 68 13 00-0034	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole.....	1,723.32	91.32
11 68 13 00-0035	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole.....	1,897.63	98.58
11 68 13 00-0036	EA	Coil Spring With Single Riding Aluminum Saddle Devices.....	1,855.45	105.68
11 68 13 00-0037	EA	"C" Spring With Single Riding Aluminum Saddle Devices.....	2,103.21	90.92
11 68 13 00-0038	EA	Rubber Spring With Single Riding Aluminum Saddle Devices.....	2,586.91	119.08
11 68 13 00-0039	EA	Coil Spring Assembly Only.....	469.69	43.79
11 68 13 00-0040	EA	"C" Spring Assembly Only.....	312.08	29.19
11 68 13 00-0041	EA	Rubber Spring Assembly Only.....	240.42	56.94
11 68 13 00-0042	EA	Footbuck Assembly Only.....	81.10	7.65
11 68 13 00-0043	EA	Two Seat, Two Spring Action Cars (4'-8" x 2'-8").....	2,110.53	109.51

**11 68 13 00-0044 Freestanding Panels** (11 68 13 00-0024)

Note: Rotomolded polyethylene.

11 68 13 00-0045	EA	Tic-Tac-Toe Panel.....	898.66	46.89
11 68 13 00-0046	EA	24" Bubble Panel.....	1,346.24	70.27
11 68 13 00-0047	EA	Fire Engine Panel.....	1,975.64	103.13
11 68 13 00-0048	EA	Flat Mirror Panel.....	1,580.52	82.55
11 68 13 00-0049	EA	Wavy Mirror Panel.....	2,339.29	122.19
11 68 13 00-0050	EA	Paint Time Panel.....	1,517.57	79.28
11 68 13 00-0051	EA	Phone Time Panel.....	1,076.99	56.22
11 68 13 00-0052	EA	Phone Time With Graphic Panel.....	1,076.99	56.22
11 68 13 00-0053	EA	Race Time Panel.....	1,888.22	98.58
11 68 13 00-0054	EA	Rescue 911 Panel.....	1,916.41	98.58
11 68 13 00-0055	EA	Eastern/Central/Western States Panel.....	1,031.53	53.84
11 68 13 00-0056	EA	Career People Panel.....	1,171.39	61.18
11 68 13 00-0057	EA	Solar System Panel.....	1,171.39	61.18
11 68 13 00-0058	EA	Animals Panel.....	1,171.39	61.18



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment and Structures</b>	<b>11 68</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 68 13 00-0059</b> <b>Freestanding Panels Uprights</b> <small>(11 68 13 00-0024)</small>		
11 68 13 00-0060 EA 3-1/2" Outside Diameter End Panel Upright .....	278.04	26.32
11 68 13 00-0061 EA 3-1/2" Outside Diameter 90 Degree Upright .....	301.22	28.47
11 68 13 00-0062 EA 3-1/2" Outside Diameter 180 Degree Upright .....	301.22	28.47
11 68 13 00-0063 EA 3-1/2" Outside Diameter "T-Shaped" Upright .....	320.53	30.31
<b>11 68 13 00-0064</b> <b>Coasters</b> <small>(11 68 13 00-0024)</small>		
11 68 13 00-0065 EA 12' Single Metal Coaster With Four Posts .....	6,954.66	319.03
11 68 13 00-0066 EA 18' Single Metal Coaster With Four Posts .....	7,774.12	398.79
11 68 13 00-0067 EA 12' Double Metal Coaster With Four Posts .....	11,252.30	478.54
11 68 13 00-0068 EA 18' Double Metal Coaster With Four Posts .....	12,792.85	598.18
<b>11 68 13 00-0069</b> <b>Climbers</b> <small>(11 68 13 00-0024)</small>		
11 68 13 00-0070 EA Tower Climber, 3.17' Diameter x 7.25' High .....	1,264.54	213.11
11 68 13 00-0071 EA Arch Climber, 2' x 12' x 4.5' High .....	1,150.86	260.96
11 68 13 00-0072 EA Arch Climber, 2' x 15' x 5.83' High .....	1,251.35	213.11
11 68 13 00-0073 EA Arch Climber, 2' x 17' x 6.58' High .....	1,346.51	260.96
11 68 13 00-0074 EA Rainbow Climber, 2' x 10'-5" x 4' High .....	1,443.63	212.88
11 68 13 00-0075 EA Rainbow Climber, 2' x 10'-5" x 5' High .....	1,619.78	212.95
11 68 13 00-0076 EA Rainbow Climber, 2' x 12'-5" x 6' High .....	1,889.67	212.88
11 68 13 00-0077 EA Rainbow Climber, 2' x 15'-4" x 7' High .....	2,066.11	249.24
11 68 13 00-0078 EA Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section .....	2,493.40	186.12
11 68 13 00-0079 EA 12' Long Horizontal Ladder Climber .....	2,031.58	186.12
11 68 13 00-0080 EA 14' Long Horizontal Ladder Climber .....	2,061.27	186.12
11 68 13 00-0081 EA 16' Long Horizontal Ladder Climber .....	2,257.85	191.82
11 68 13 00-0082 EA Bell Climber, 7'-5" High With Double Bars .....	2,118.95	191.82
11 68 13 00-0083 EA 2-Way Climber .....	1,777.13	284.23
11 68 13 00-0084 EA 4-Way Climber .....	2,844.23	
<b>11 68 13 00-0085</b> <b>Swings</b> <small>(11 68 13 00-0001)</small>		
<b>11 68 13 00-0086</b> <b>Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail</b> <small>(11 68 13 00-0085)</small>		
Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0087 EA 8' High Top Rail, One Section Two Seats .....	1,661.22	293.03
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	193.69	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	220.91	
11 68 13 00-0088 EA 8' High Top Rail, Two Sections Four Seats .....	2,654.56	419.32
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	310.88	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	359.83	
11 68 13 00-0089 EA 8' High Top Rail, Three Sections, Six Seats .....	3,672.06	617.02
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	429.62	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	495.65	
11 68 13 00-0090 EA 8' High Top Rail, Four Sections, Eight Seats .....	4,604.08	718.02
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	539.60	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	626.17	
11 68 13 00-0091 EA 10' High Top Rail, One Section Two Seats .....	1,774.93	293.03
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	207.91	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	240.81	
11 68 13 00-0092 EA 10' High Top Rail, Two Section Four Seats .....	2,771.39	446.61
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	323.48	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	370.29	
11 68 13 00-0093 EA 10' High Top Rail, Three Sections, Six Seats .....	3,823.20	693.52
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	444.86	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	503.88	
11 68 13 00-0094 EA 10' High Top Rail, Four Sections, Eight Seats .....	5,070.03	837.69
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	591.85	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	677.75	
<b>11 68 13 00-0095</b> <b>Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail</b> <small>(11 68 13 00-0085)</small>		
Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0096 EA 8' High Top Rail, One Section, Two Seats .....	1,911.19	258.80
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	225.96	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	269.75	
11 68 13 00-0097 EA 8' High Top Rail, Two Sections, Four Seats .....	2,773.97	375.52
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	327.97	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	391.57	
11 68 13 00-0098 EA 8' High Top Rail, Three Sections, Six Seats .....	3,700.66	502.21
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	437.47	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	522.06	
11 68 13 00-0099 EA 8' High Top Rail, Four Sections, Eight Seats .....	4,628.56	598.34
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	548.65	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	660.39	
11 68 13 00-0100 EA 10' High Top Rail, One Section, Two Seats .....	2,155.32	291.67
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	254.83	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	304.27	
11 68 13 00-0101 EA 10' High Top Rail, One Section Three Seats .....	2,252.73	309.31
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	266.86	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	320.56	

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0102	EA	10'	High Top Rail, Two Sections, Four Seats..... <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	3,008.76 355.68 424.45	408.31
11 68 13 00-0103	EA	10'	High Top Rail, Two Sections, Six Seats..... <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	3,626.14 430.84 522.45	470.70
11 68 13 00-0104	EA	10'	High Top Rail, Three Section, Six Seats..... <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	4,005.07 473.47 565.08	543.22
11 68 13 00-0105	EA	10'	High Top Rail, Three Sections, Nine Seats..... <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	4,999.66 595.04 725.33	598.58
11 68 13 00-0106	EA	10'	High Top Rail, Four Section, Eight Seats..... <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	5,075.47 598.52 708.66	718.02
11 68 13 00-0107	EA	12'	High Top Rail, One Section Three Seats..... <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,357.08 279.54 337.02	316.80
11 68 13 00-0108	EA	12'	High Top Rail, Two Sections, Six Seats..... <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	3,835.24 455.12 549.76	509.71
11 68 13 00-0109	EA	12'	High Top Rail, Three Sections, Nine Seats..... <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	5,572.90 656.72 775.81	816.38
<b>11 68 13 00-0110</b>			<b>Swing Accessories</b> <small>(11 68 13 00-0085)</small>		
11 68 13 00-0111	EA		Enclosed Tot Seat With Chain And Hardware.....	567.94	24.02
11 68 13 00-0112	EA		Bucket Seat With Chain And Hardware.....	472.15	19.97
11 68 13 00-0113	EA		Belt Seat With Chain And Hardware.....	502.94	21.33
11 68 13 00-0114	EA		Seat With Chain And Hardware.....	496.10	21.01
11 68 13 00-0115	EA		Wide Seat With Chain And Hardware.....	523.67	22.20
11 68 13 00-0116	EA		Handi Seat With Chain And Hardware.....	1,563.56	66.20
11 68 13 00-0117	LF	0.4	LB/LF Replacement Chain.....	6.49	0.47
11 68 13 00-0118	LF	1	LB/LF Replacement Chain.....	12.07	0.95
11 68 13 00-0119	EA		Swing Hanger Replacement.....	70.52	5.47
<b>11 68 13 00-0120</b>			<b>Tetherball</b> <small>(11 68 13 00-0001)</small>		
11 68 13 00-0121	EA		Tetherball Standard And Ball.....	540.25	41.62
<b>11 68 13 00-0122</b>			<b>Playground Equipment (Landscape Structures®)</b> <small>(11 68 13)</small>		
Note: Excludes excavation and concrete footings.					
<b>11 68 13 00-0123</b>			<b>Playground Equipment (Landscape Structures® PlayShaper®)</b> <small>(11 68 13 00-0122)</small>		
Note: Ages 2 to 5 years.					
11 68 13 00-0124	EA		El Slide, 32" Deck (Landscape Structures® PlayShaper® 111323A).....	2,563.27	109.83
11 68 13 00-0125	EA		SpyroSlide, 56" Height, 48" Deck (Landscape Structures® PlayShaper® 143480A).....	6,484.80	411.86
11 68 13 00-0126	EA		Tunnel Slide, 40" Deck (Landscape Structures® PlayShaper® 128952A).....	2,672.53	109.83
11 68 13 00-0127	EA		Double Wave Poly Slide, 48" Deck (Landscape Structures® PlayShaper® 123336A).....	3,052.79	164.74
11 68 13 00-0128	EA		Double Swirl Slide, 48" Deck (Landscape Structures® PlayShaper® 130798A).....	2,592.36	164.74
11 68 13 00-0129	EA		Double Poly Slide, 32" Deck (Landscape Structures® PlayShaper® 132155A).....	2,056.01	109.83
11 68 13 00-0130	EA		Double Poly Slide, 40" - 48" Deck (Landscape Structures® PlayShaper® 132155B).....	2,282.33	109.83
11 68 13 00-0131	EA		Lava Run Slide, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137967A).....	1,751.65	109.83
11 68 13 00-0132	EA		32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426A).....	4,974.02	329.49
11 68 13 00-0133	EA		40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426B).....	5,738.81	329.49
11 68 13 00-0134	EA		48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426C).....	6,183.64	329.49
11 68 13 00-0135	EA		Curved Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 123339A).....	1,761.58	54.91
11 68 13 00-0136	EA		Single Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 133668A).....	1,790.67	109.83
11 68 13 00-0137	EA		32" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117A).....	2,373.85	164.74
11 68 13 00-0138	EA		40" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117B).....	2,646.99	164.74
11 68 13 00-0139	EA		48" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117C).....	2,951.34	164.74
11 68 13 00-0140	EA		Critter Canyon Climber, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137966A).....	1,704.83	109.83
11 68 13 00-0141	EA		Thunderhead Climber, 48" Deck-To-Ground (Landscape Structures® PlayShaper® 139911A).....	7,123.67	439.32
11 68 13 00-0142	EA		Step Deck Climber, 16" Deck (Landscape Structures® PlayShaper® 119981A).....	994.67	109.83
11 68 13 00-0143	EA		Loop Ladder Climber, 40" Or 48" Deck (Landscape Structures® PlayShaper® 111364A).....	1,051.41	54.91
11 68 13 00-0144	EA		Loop Arch Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 139262A).....	1,585.39	137.29
11 68 13 00-0145	EA		32" Deck, Block Climber (Landscape Structures® PlayShaper® 135547A).....	2,458.64	192.20
11 68 13 00-0146	EA		40" Deck, Block Climber (Landscape Structures® PlayShaper® 135547B).....	2,872.25	192.20
11 68 13 00-0147	EA		32" - 40" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023A).....	2,680.33	109.83
11 68 13 00-0148	EA		48" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023B).....	2,883.23	109.83
11 68 13 00-0149	EA		1-Step, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021A).....	1,314.63	109.83
11 68 13 00-0150	EA		2-Steps, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021B).....	1,533.14	109.83
11 68 13 00-0151	EA		16" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346A).....	685.16	45.77
11 68 13 00-0152	EA		24" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346B).....	1,268.87	82.37
11 68 13 00-0153	EA		32" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346C).....	1,919.62	210.51
11 68 13 00-0154	EA		40" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346D).....	2,262.99	210.51
11 68 13 00-0155	EA		32" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327A).....	2,024.79	109.83
11 68 13 00-0156	EA		40" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327B).....	4,583.73	109.83
11 68 13 00-0157	EA		48" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327C).....	3,000.29	109.83
11 68 13 00-0158	EA		32" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284A).....	943.56	137.29



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment and Structures</b>	<b>11 68</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0159 EA 40" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284B).....	970.19	137.29
11 68 13 00-0160 EA 48" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284C).....	1,016.50	137.29
11 68 13 00-0161 EA Overhead Events Horizontal Ladder, 16" Deck (Landscape Structures® PlayShaper® 129967A).....	1,021.27	27.46
11 68 13 00-0162 EA Overhead Events Horizontal Ladder End Panel, Without Posts (Landscape Structures® PlayShaper® 129968A).....	373.54	27.46
11 68 13 00-0163 EA Conical Climber, 40" Deck (Landscape Structures® PlayShaper® 143200A).....	3,646.16	192.20
11 68 13 00-0164 EA ABC Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 152432A).....	1,906.31	137.29
11 68 13 00-0165 EA Mini Summit Climber, 40" And 48" Decks (Landscape Structures® PlayShaper® 153077A).....	1,162.76	45.77
11 68 13 00-0166 EA Arch Bridge, 42" Long (Landscape Structures® PlayShaper® 111348A).....	2,292.25	54.91
11 68 13 00-0167 EA Phase Kit (Landscape Structures® PlayShaper® 116098A).....	319.71	34.60
11 68 13 00-0168 EA Belt Bridge With Permalene Barriers, 42" Long (Landscape Structures® PlayShaper® 131956A).....	1,777.18	54.91
11 68 13 00-0169 EA 8" Deck-To-Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 111413A).....	706.98	82.37
11 68 13 00-0170 EA 16" - 48" Decks To Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 138405A).....	1,428.28	82.37
11 68 13 00-0171 EA Deck-To-Deck Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132828A).....	4,923.63	219.66
11 68 13 00-0172 EA Deck-To-Ground Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132844A).....	4,923.63	219.66
11 68 13 00-0173 EA Wire Crawl Tunnel (Landscape Structures® PlayShaper® 118099A).....	2,243.31	109.83
11 68 13 00-0174 EA Offset Crawl Tunnel, 8" Deck Height Difference (Landscape Structures® PlayShaper® 139268A).....	1,681.42	109.83
11 68 13 00-0175 EA 28" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953A).....	1,722.56	54.91
11 68 13 00-0176 EA 56" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953B).....	2,229.82	54.91
11 68 13 00-0177 EA 90 Degree Curved Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 115409C).....	2,461.82	109.83
11 68 13 00-0178 EA C-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097A).....	4,057.38	219.66
11 68 13 00-0179 EA S-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097B).....	4,057.38	219.66
11 68 13 00-0180 EA C-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098A).....	4,057.38	219.66
11 68 13 00-0181 EA S-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098B).....	4,057.38	219.66
11 68 13 00-0182 EA Bubble Panel, Enclosure (Landscape Structures® PlayShaper® 111282A).....	779.35	27.46
11 68 13 00-0183 EA Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111300A).....	1,193.48	18.31
11 68 13 00-0184 EA Chimes Panel, Enclosure (Landscape Structures® PlayShaper® 113211A).....	1,380.78	18.31
11 68 13 00-0185 EA Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123845A).....	1,505.64	18.31
11 68 13 00-0186 EA Driver Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111288A).....	818.37	27.46
11 68 13 00-0187 EA Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111289A).....	647.20	18.31
11 68 13 00-0188 EA Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 117147A).....	1,888.04	18.31
11 68 13 00-0189 EA Hole Panel, Enclosure (Landscape Structures® PlayShaper® 111284A).....	514.53	18.31
11 68 13 00-0190 EA House Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111299A).....	607.66	27.46
11 68 13 00-0191 EA Hourglass Panel, Enclosure (Landscape Structures® PlayShaper® 124333A).....	1,607.09	18.31
11 68 13 00-0192 EA Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 127684A).....	1,005.66	27.46
11 68 13 00-0193 EA Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayShaper® 127685A).....	1,394.79	54.91
11 68 13 00-0194 EA Math Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111294A).....	1,496.77	45.77
11 68 13 00-0195 EA Sand And Water Panel, Enclosure (Ground Level Only), Tan Dish Only (Landscape Structures® PlayShaper® 111297A).....	1,440.56	82.37
11 68 13 00-0196 EA Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111298A).....	1,045.20	18.31
11 68 13 00-0197 EA Periscope Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 118429A).....	1,559.75	27.46
11 68 13 00-0198 EA Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 119515A).....	1,068.09	27.46
11 68 13 00-0199 EA Slant Window Panel, Enclosure (Landscape Structures® PlayShaper® 111281A).....	1,363.57	54.91
11 68 13 00-0200 EA Storefront Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 144984A).....	467.19	27.46
11 68 13 00-0201 EA Spelling Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111295A).....	1,442.14	45.77
11 68 13 00-0202 EA Slant Entrance Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111387A).....	1,105.51	73.22
11 68 13 00-0203 EA Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123484A).....	1,341.76	18.31
11 68 13 00-0204 EA Puppet Panel, Enclosure (Landscape Structures® PlayShaper® 111285A).....	514.53	18.31
11 68 13 00-0205 EA Puppet Panel With Window, Enclosure (Landscape Structures® PlayShaper® 111286A).....	709.11	27.46
11 68 13 00-0206 EA Zoo Panel, Enclosure (Landscape Structures® PlayShaper® 111287A).....	514.53	18.31
11 68 13 00-0207 EA Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111290A).....	662.81	18.31
11 68 13 00-0208 EA Table Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111292A).....	1,253.26	82.37
11 68 13 00-0209 EA Tic-Tac-Toe Panel, Enclosure (Landscape Structures® PlayShaper® 111293A).....	1,364.65	27.46
11 68 13 00-0210 EA Bead And Block Panel Without Handles, Enclosure (Landscape Structures® PlayShaper® 111370A).....	1,036.88	27.46
11 68 13 00-0211 EA 2 Benches, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 116120A).....	997.32	45.77
11 68 13 00-0212 EA 1 Bench, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 138185A).....	575.90	45.77
11 68 13 00-0213 EA 1 Bench, 1 End Panel (Ground Level Only) (Landscape Structures® PlayShaper® 138299A).....	506.21	27.46
11 68 13 00-0214 EA Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260A).....	1,401.54	82.37
11 68 13 00-0215 EA Balcony Deck With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260B).....	1,627.85	82.37
11 68 13 00-0216 EA Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139264A).....	467.71	18.31
11 68 13 00-0217 EA Navigator Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139266A).....	655.00	18.31
11 68 13 00-0218 EA Curb, Accessible Reach Panel (Landscape Structures® PlayShaper® 128623A).....	135.26	18.31
11 68 13 00-0219 EA Long Wire Barrier (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945A).....	755.93	27.46
11 68 13 00-0220 EA Long Wire Barrier With Wheel (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945B).....	1,005.12	45.77
11 68 13 00-0221 EA Short Wire Barrier (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946A).....	575.90	45.77
11 68 13 00-0222 EA Short Wire Barrier With Wheel (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946B).....	802.22	45.77
11 68 13 00-0223 EA Chinning Bar Without Post (Landscape Structures® PlayShaper® 139272A).....	132.14	18.31
11 68 13 00-0224 EA Steering Wheel (Landscape Structures® PlayShaper® 111306A).....	249.20	18.31
11 68 13 00-0225 EA Steering Wheel With Infill Panel (Landscape Structures® PlayShaper® 111306B).....	335.04	18.31
11 68 13 00-0226 EA Handloop (Landscape Structures® PlayShaper® 119977A).....	194.57	18.31
11 68 13 00-0227 EA Ground Level, Talk Tubes, Attaches Next To 40" To 48" Deck Only, One Only (Landscape Structures® PlayShaper® 115198A).....	529.62	27.46
11 68 13 00-0228 EA 16" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198B).....	545.23	27.46
11 68 13 00-0229 EA 24" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198C).....	553.03	27.46
11 68 13 00-0230 EA 32" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198D).....	568.64	27.46
11 68 13 00-0231 EA 40" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198E).....	576.44	27.46
11 68 13 00-0232 EA 48" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198F).....	592.05	27.46

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0233	EA		Talk Tube Tubing Kit (Landscape Structures® PlayShaper® 111362A).....	493.08	164.74
			Note: Order one talk tube tubing kit with two talk tubes (any height listed).		
11 68 13 00-0234	EA		Arch Roof (Landscape Structures® PlayShaper® 111407A).....	801.68	54.91
11 68 13 00-0235	EA		Square Poly Roof With Logo Panels (Landscape Structures® PlayShaper® 118110A) .....	1,501.93	109.83
11 68 13 00-0236	EA		Square Peak Tile Roof With Logo Panels (Landscape Structures® PlayShaper® 129816A).....	1,665.81	109.83
11 68 13 00-0237	EA		Super-Square Shingle Roof With Permalene Roof Cap (Landscape Structures® PlayShaper® 130102A) .....	3,460.73	109.83
11 68 13 00-0238	EA		Super-Square Shingle Roof With Poly Roof Cap (Landscape Structures® PlayShaper® 130102B).....	4,022.62	109.83
11 68 13 00-0239	EA		Square Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 111237A).....	872.45	45.77
11 68 13 00-0240	EA		Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayShaper® 111238A).....	833.43	45.77
11 68 13 00-0241	EA		Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayShaper® 111239A) .....	849.04	45.77
11 68 13 00-0242	EA		90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 117495A) .....	685.70	27.46
11 68 13 00-0243	EA		Transfer Stations With Two Handbars (Landscape Structures® PlayShaper® 126205A) .....	1,367.13	164.74
11 68 13 00-0244	EA		Transfer Stations With One Handbar (Landscape Structures® PlayShaper® 126205B).....	1,250.07	164.74
11 68 13 00-0245	EA		Transfer Stations No Handbars (Landscape Structures® PlayShaper® 126205C).....	1,148.62	164.74
11 68 13 00-0246	EA		Curb For 90 Degree Tri-Deck (Landscape Structures® PlayShaper® 139083A) .....	163.35	18.31
11 68 13 00-0247	EA		8" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948A) .....	144.62	18.31
11 68 13 00-0248	EA		16" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948B).....	210.18	18.31
11 68 13 00-0249	EA		8" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949A).....	175.84	18.31
11 68 13 00-0250	EA		16" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949B).....	257.00	18.31
11 68 13 00-0251	EA		To 32" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020A) .....	2,582.43	219.66
11 68 13 00-0252	EA		To 40" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020B).....	2,949.21	219.66
11 68 13 00-0253	EA		To 48" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020C).....	3,105.29	219.66
11 68 13 00-0254	EA		56"/SpyroSlide, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399A) .....	1,558.67	54.91
11 68 13 00-0255	EA		48" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399B).....	1,527.46	54.91
11 68 13 00-0256	EA		40" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399C).....	1,511.85	54.91
11 68 13 00-0257	EA		32" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399D).....	1,488.44	54.91
11 68 13 00-0258	EA		24" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399E) .....	1,465.02	54.91
11 68 13 00-0259	EA		16" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399F).....	1,449.42	54.91
11 68 13 00-0260	EA		8" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399G).....	1,433.81	54.91
11 68 13 00-0261	EA		Ground Level, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399H).....	1,418.20	54.91
11 68 13 00-0262	EA		82"/48" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398A) .....	350.13	27.46
11 68 13 00-0263	EA		74"/40" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398B) .....	334.52	27.46
11 68 13 00-0264	EA		66"/32" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398C).....	311.11	27.46
11 68 13 00-0265	EA		58"/24" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398D).....	303.30	27.46
11 68 13 00-0266	EA		50"/16" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398E) .....	295.50	27.46
11 68 13 00-0267	EA		42"/8" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398F).....	287.69	27.46
11 68 13 00-0268	EA		128"/SpyroSlide/SlideWinder2 Off 48" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397A) .....	633.55	164.74
11 68 13 00-0269	EA		114"/48" Deck/SlideWinder2 Off 40" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397B).....	602.34	164.74
11 68 13 00-0270	EA		106"/40" Deck/SlideWinder2 Off 32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397C).....	594.53	164.74
11 68 13 00-0271	EA		98"/32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397D) .....	357.93	27.46
11 68 13 00-0272	EA		90"/24" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397E) .....	350.13	27.46
11 68 13 00-0273	EA		82"/16" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397F).....	334.52	27.46
11 68 13 00-0274	EA		74"/8" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397G) .....	311.11	27.46
11 68 13 00-0275	EA		69"/Ground Level, Post For Decks (Landscape Structures® PlayShaper® 111397H) .....	303.30	27.46
11 68 13 00-0276	EA		145"/SpyroSlide, Post For Roofs (Landscape Structures® PlayShaper® 111396A) .....	412.56	27.46
11 68 13 00-0277	EA		137"/48" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396B) .....	404.75	27.46
11 68 13 00-0278	EA		129"/40" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396C).....	381.34	27.46
11 68 13 00-0279	EA		121"/32" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396D).....	373.54	27.46
11 68 13 00-0280	EA		113"/24" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396E).....	365.73	27.46
11 68 13 00-0281	EA		105"/16" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396F).....	350.13	27.46
11 68 13 00-0282	EA		97"/8" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396G).....	334.52	27.46
11 68 13 00-0283	EA		89"/Ground Level, Post For Roofs (Landscape Structures® PlayShaper® 111396H).....	311.11	27.46
11 68 13 00-0284	EA		Learning Wall Arch For 10" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208A).....	2,452.21	184.96
11 68 13 00-0285	EA		Learning Wall Arch For 1" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208B).....	2,420.18	182.57
11 68 13 00-0286	EA		Learning Wall Arch For 10" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208C).....	1,971.42	148.75
11 68 13 00-0287	EA		Learning Wall Arch For 1" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208D).....	1,939.31	146.28
11 68 13 00-0288	EA		Learning Wall Post For 10" Panel Height (Landscape Structures® PlayShaper® 115201A) .....	400.68	30.23
11 68 13 00-0289	EA		Learning Wall Post For 1" Panel Height (Landscape Structures® PlayShaper® 115201B) .....	384.65	29.03
11 68 13 00-0290	EA		Learning Wall Post For Poly Roof With 10" Panel Height (Landscape Structures® PlayShaper® 115203A).....	435.94	32.86
11 68 13 00-0291	EA		Learning Wall Post For Poly Roof With 1" Panel Height (Landscape Structures® PlayShaper® 115203B).....	416.71	31.42
11 68 13 00-0292	EA		The Peak Natural Climber, 40" Deck (Landscape Structures® PlayShaper® 160423A) .....	7,613.89	274.57
11 68 13 00-0293	EA		The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayShaper® 160424A).....	4,051.71	164.74

**11 68 13 00-0294 Playground Equipment (Landscape Structures® Independent Pieces)** (11 68 13 00-0122)

11 68 13 00-0295	EA		9-Blocks, Block Climber (Landscape Structures® 117966A) .....	3,290.47	274.57
11 68 13 00-0296	EA		12-Blocks, Block Climber (Landscape Structures® 117966B).....	3,719.69	274.57
11 68 13 00-0297	EA		116-Blocks, Block Climber (Landscape Structures® 117966C).....	4,568.21	329.49
11 68 13 00-0298	EA		Spider Web Climber, CableCore Climbing Cable (Direct Bury Only) (Landscape Structures® 136159A) .....	3,425.26	219.66
11 68 13 00-0299	EA		6-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150976A).....	5,549.79	366.09
11 68 13 00-0300	EA		4-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150977A).....	3,825.39	164.74
11 68 13 00-0301	EA		Star Seeker Climber, Net Climber (Direct Bury Only) (Landscape Structures® 148041A) .....	10,227.54	494.23
11 68 13 00-0302	EA		Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Aluminum Posts (Landscape Structures® 144477A) .....	9,211.59	329.49
11 68 13 00-0303	EA		Funnel Climber, Net Climber Without Vertical Ladders, (4) Aluminum Posts (Landscape Structures® 144477B).....	6,778.86	274.57
11 68 13 00-0304	EA		Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Aluminum Posts (Landscape Structures® 144477C).....	7,995.22	302.03
11 68 13 00-0305	EA		Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Aluminum Posts (Landscape Structures® 144477D).....	10,427.95	356.95
11 68 13 00-0306	EA		Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Aluminum Posts (Landscape Structures® 144477E).....	11,644.31	384.40





	<b>Equipment</b>	<b>11</b>
	<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
	<b>Play Field Equipment and Structures</b>	<b>11 68</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-0307	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Steel Posts (Landscape Structures® 144477F) .....	8,977.47	329.49
11 68	13 00-0308	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Steel Posts (Landscape Structures® 144477G) .....	6,622.78	274.57
11 68	13 00-0309	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Steel Posts (Landscape Structures® 144477H) .....	7,800.12	302.03
11 68	13 00-0310	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Steel Posts (Landscape Structures® 144477I) .....	10,154.81	356.95
11 68	13 00-0311	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Steel Posts (Landscape Structures® 144477J) .....	11,332.15	384.40
11 68	13 00-0312	EA	8", Pod Climber, One Pod Only (Landscape Structures® 120710A) .....	373.00	45.77
11 68	13 00-0313	EA	16", Pod Climber, One Pod Only (Landscape Structures® 120711A) .....	380.80	45.77
11 68	13 00-0314	EA	24", Pod Climber, One Pod Only (Landscape Structures® 120712A) .....	388.60	45.77
11 68	13 00-0315	EA	30", Pod Climber, One Pod Only (Landscape Structures® 120713A) .....	396.41	45.77
11 68	13 00-0316	EA	Track Ride Curved (Landscape Structures® 118093A) .....	3,749.48	109.83
11 68	13 00-0317	EA	18' Curved Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121874A) .....	5,699.79	329.49
11 68	13 00-0318	EA	18' Curved Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121874B) .....	5,543.71	329.49
11 68	13 00-0319	EA	10' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121648A) .....	4,794.53	329.49
11 68	13 00-0320	EA	10' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121648B) .....	4,482.37	329.49
11 68	13 00-0321	EA	18' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121875A) .....	4,989.63	329.49
11 68	13 00-0322	EA	18' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121875B) .....	4,833.55	329.49
11 68	13 00-0323	EA	Playstructure Seat, TenderTuff-coated Brown (Landscape Structures® 120818A) .....	473.92	54.91
11 68	13 00-0324	EA	Kids In Motion, Sway Fun Glider, Brown Deck Only (Landscape Structures® 138871A) .....	17,088.69	658.98
11 68	13 00-0325	EA	CoolToppers Shade System, Full Sail, (Direct Bury Only) (Landscape Structures® 136759A) .....	14,773.76	988.46
11 68	13 00-0326	EA	CoolToppers Shade System, Single Post, (Direct Bury Only) (Landscape Structures® 154397A) .....	4,957.71	549.15
11 68	13 00-0327	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155071A) .....	6,063.01	219.66
11 68	13 00-0328	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155072A) .....	9,811.80	549.15
11 68	13 00-0329	EA	Turtle Sand Table, (2-Color Permalene), (Direct Bury Only) (Landscape Structures® 116568A) .....	621.66	73.22
11 68	13 00-0330	EA	Straight Crawl Tunnel (Landscape Structures® 100005A) .....	1,999.25	164.74
11 68	13 00-0331	EA	Curved Crawl Tunnel (Landscape Structures® 100005D) .....	2,537.73	164.74
11 68	13 00-0332	EA	4' Square, SanDirect Buryoxe (Landscape Structures® 120458A) .....	539.91	164.74
11 68	13 00-0333	EA	SanDirect Buryoxe, Play Table Only (Landscape Structures® 120894A) .....	758.42	164.74
11 68	13 00-0334	EA	8' Square, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458B) .....	1,087.63	329.49
11 68	13 00-0335	EA	8' Square, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458C) .....	1,563.67	329.49
11 68	13 00-0336	EA	8' L-Shaped, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458D) .....	1,087.63	329.49
11 68	13 00-0337	EA	8' L-Shaped, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458E) .....	1,563.67	329.49
11 68	13 00-0338	EA	Splash Circuit Sand And Water Station, Direct Bury (Landscape Structures® 126202A) .....	4,899.53	439.32
11 68	13 00-0339	EA	Splash Circuit Sand And Water Station, Surface Mount (Landscape Structures® 126202B) .....	4,755.51	329.49
11 68	13 00-0340	EA	Talk Tubes, Complete With (2) 2-3/8" Square Aluminum Posts, Ground Level, (Direct Bury Only) (Landscape Structures® 113931A) .....	2,184.42	219.66
11 68	13 00-0341	EA	Clear Paint Panel, Surface Mount (Landscape Structures® 112621A) .....	879.72	54.91
11 68	13 00-0342	EA	Clear Paint Panel, Direct Bury (Landscape Structures® 112621B) .....	769.41	82.37
11 68	13 00-0343	EA	Dino Climber, Direct Bury (Landscape Structures® 100122A) .....	12,703.53	439.32
11 68	13 00-0344	EA	Dino Climber, Surface Mount (Landscape Structures® 100122B) .....	13,228.52	384.40
11 68	13 00-0345	EA	Sand Table, (3) Steel Posts, Direct Bury (Landscape Structures® 136233B) .....	3,538.08	329.49
11 68	13 00-0346	EA	Sand Table, (3) Aluminum Posts, Direct Bury (Landscape Structures® 136233A) .....	3,623.93	329.49
11 68	13 00-0347	EA	Wiggle Worm Crawl Tunnel With 2-Color Permalene Head (Landscape Structures® 120418A) .....	4,265.97	274.57
11 68	13 00-0348	EA	Wiggle Worm Crawl Tunnel Without 2-Color Permalene Head (Landscape Structures® 120418B) .....	2,996.04	219.66
11 68	13 00-0349	EA	Kids In Motion, Saddle Spinner (Landscape Structures® 152179A) .....	1,285.53	54.91
11 68	13 00-0350	EA	Kids In Motion, Log Roll With Aluminum Posts (Landscape Structures® 100027A) .....	1,899.93	109.83
11 68	13 00-0351	EA	Kids In Motion, Log Roll, Tan Log Only, (2) Steel Posts (Landscape Structures® 100027B) .....	1,821.89	109.83
11 68	13 00-0352	EA	Kids In Motion, Spring Pod Bouncer, Sold Individually Per Pod (Landscape Structures® 120876A) .....	505.66	45.77
11 68	13 00-0353	EA	Kids In Motion, SpringRing Bouncer, (Brown Ring Only, Avail. for Direct Bury Only) (Landscape Structures® 117961A) .....	6,780.29	439.32
11 68	13 00-0354	EA	Kids In Motion, Spring Platform With Handhold, Brown Platform, Tan Handhold* (Landscape Structures® 125059A) .....	2,406.50	329.49
11 68	13 00-0355	EA	Kids In Motion, Spring Platform Without Handhold, Brown Platform* (Landscape Structures® 125059B) .....	2,250.42	329.49
11 68	13 00-0356	EA	Kids In Motion, Spring Platform With Post, Brown Platform, Tan Post* (Landscape Structures® 125059C) .....	2,827.92	329.49
11 68	13 00-0357	EA	Kids In Motion, Stand-Up Spinner, (Direct Bury Only) (Landscape Structures® 155077A) .....	1,886.44	54.91
11 68	13 00-0358	EA	Orbiter Spinner, Steel Post, (Avail. for Direct Bury Only) (Landscape Structures® 153589A) .....	2,631.38	164.74
11 68	13 00-0359	EA	Orbiter2 Spinner, Steel Post, (Avail. for Direct Bury Only) (Landscape Structures® 154358A) .....	4,744.13	219.66
11 68	13 00-0360	EA	Orbiter3 Spinner, Steel Post, (Direct Bury Only) (Landscape Structures® 154359A) .....	6,849.10	274.57
11 68	13 00-0361	EA	Stand-Up Seesaw, Direct Bury (Landscape Structures® 148638A) .....	2,773.98	109.83
11 68	13 00-0362	EA	Stand-Up Seesaw, Surface Mount (Landscape Structures® 148638B) .....	2,391.58	109.83
11 68	13 00-0363	EA	2-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148636A) .....	3,070.53	109.83
11 68	13 00-0364	EA	2-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148636B) .....	2,649.11	109.83
11 68	13 00-0365	EA	4-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148637A) .....	3,710.46	109.83
11 68	13 00-0366	EA	4-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148637B) .....	3,304.65	109.83
11 68	13 00-0367	EA	Seesaw Back Support, With Seat Strap* (Landscape Structures® 148706A) .....	350.65	18.31
11 68	13 00-0368	EA	Seesaw Back Support, without Seat Strap (Landscape Structures® 148706B) .....	288.22	18.31
11 68	13 00-0369	EA	Stationary Cyclor, SuperScoop, (Direct Bury Only) (Landscape Structures® 123831A) .....	1,313.57	137.29
11 68	13 00-0370	EA	Stationary Cyclor, SuperScoop, Wheelchair-Accessible, Surface Mount (Landscape Structures® 123832A) .....	1,175.22	82.37
11 68	13 00-0371	EA	Stationary Cyclor, SuperScoop, Wheelchair-Accessible, Direct Bury (Landscape Structures® 123832B) .....	1,219.92	137.29
11 68	13 00-0372	EA	Motorcycle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100013B) .....	1,796.35	164.74
11 68	13 00-0373	EA	Motorcycle Back Supports With Seat Strap (Landscape Structures® 123711A) .....	280.41	18.31
11 68	13 00-0374	EA	Motorcycle Back Supports Without Seat Strap (Landscape Structures® 123711B) .....	233.59	18.31
11 68	13 00-0375	EA	Turtle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100014B) .....	1,516.47	137.29
11 68	13 00-0376	EA	Bird TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B) .....	1,538.82	164.74
11 68	13 00-0377	EA	Horse TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B) .....	1,523.21	164.74
11 68	13 00-0378	EA	Car TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100017B) .....	1,796.35	164.74
11 68	13 00-0379	EA	RhinoDino TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100123B) .....	1,500.86	137.29
11 68	13 00-0380	EA	T-Rex TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100124B) .....	1,523.21	164.74
11 68	13 00-0381	EA	2-Seat Airplane Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 120871A) .....	2,263.54	192.20
11 68	13 00-0382	EA	2-Seat Airplane Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 120871B) .....	2,373.85	164.74
11 68	13 00-0383	EA	2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 126378A) .....	2,052.83	192.20
11 68	13 00-0384	EA	2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 126378B) .....	2,155.33	164.74

## 11 Equipment

## 11 60 Entertainment and Recreation Equipment

## 11 68 Play Field Equipment and Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-0385	EA	Motorcycle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100013A) .....	1,547.69	137.29
11 68	13 00-0386	EA	Turtle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100014A) .....	1,260.00	109.83
11 68	13 00-0387	EA	Bird TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100015A) .....	1,282.35	137.29
11 68	13 00-0388	EA	Horse TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100016A) .....	1,266.74	137.29
11 68	13 00-0389	EA	Car TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100017A) .....	1,547.69	137.29
11 68	13 00-0390	EA	RhinoDino TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100123A) .....	1,252.20	109.83
11 68	13 00-0391	EA	T-Rex TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100124A) .....	1,266.74	137.29
11 68	13 00-0392	EA	Zebra Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135534B) .....	1,586.71	137.29
11 68	13 00-0393	EA	Sea Horse Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135535B) .....	1,695.96	137.29
11 68	13 00-0394	EA	Dolphin Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135536B) .....	1,617.92	137.29
11 68	13 00-0395	EA	Zebra Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135534A) .....	1,345.85	109.83
11 68	13 00-0396	EA	Sea Horse Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135535A) .....	1,447.30	109.83
11 68	13 00-0397	EA	Dolphin Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135536A) .....	1,377.06	109.83
11 68	13 00-0398	EA	SpyroSlide, Poly, 72" Deck (Landscape Structures® 115366A) .....	9,893.40	658.98
11 68	13 00-0399	EA	40" Poly Slide, 40" Deck (Landscape Structures® 100046A) .....	5,288.30	274.57
11 68	13 00-0400	EA	Wave Poly Slide, 72" Deck (Landscape Structures® 100046C) .....	6,396.46	274.57
11 68	13 00-0401	EA	Fire Engine, Colors As Shown Only, (Direct Bury Only) (Landscape Structures® 148640A) .....	19,405.09	1,098.29
11 68	13 00-0402	EA	Double Humpty Climber (Direct Bury Only) (Landscape Structures® 100037A) .....	3,331.61	219.66
11 68	13 00-0403	EA	Single Humpty Climber (Direct Bury Only) (Landscape Structures® 100037B) .....	1,827.57	164.74
11 68	13 00-0404	EA	12-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150638A) .....	36,603.04	1,757.26
11 68	13 00-0405	EA	7-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150637A) .....	20,161.39	1,317.95
11 68	13 00-0406	EA	6-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150636A) .....	18,280.62	1,317.95
11 68	13 00-0407	EA	3-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150635A) .....	8,731.29	439.32
11 68	13 00-0408	EA	4', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038A) .....	1,261.07	82.37
11 68	13 00-0409	EA	6', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038B) .....	1,409.34	82.37
11 68	13 00-0410	EA	Sky Rail Climber, Independent Climber (Direct Bury Only) (Landscape Structures® 146813A) .....	4,482.37	329.49
11 68	13 00-0411	EA	4'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040A) .....	948.91	82.37
11 68	13 00-0412	EA	6'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040B) .....	1,026.95	82.37
11 68	13 00-0413	EA	Arch Belt Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 100050A) .....	4,320.47	439.32
11 68	13 00-0414	EA	Arch Belt Swing, 2-Place, Uncoated Chain (Landscape Structures® 100050C) .....	4,189.36	439.32
11 68	13 00-0415	EA	Arch Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 111579A) .....	2,721.34	219.66
11 68	13 00-0416	EA	Arch Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 111579C) .....	2,590.23	219.66
11 68	13 00-0417	EA	Single Post Swing, 2-Place, Uncoated Chain (Landscape Structures® 122837A) .....	2,227.01	329.49
11 68	13 00-0418	EA	Single Post Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 122837B) .....	2,358.12	329.49
11 68	13 00-0419	EA	Single Post Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 122838A) .....	1,601.25	164.74
11 68	13 00-0420	EA	Single Post Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 122838B) .....	1,732.36	164.74
11 68	13 00-0421	EA	Single Post Swing, 2-Place, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140769A) .....	2,562.58	329.49
11 68	13 00-0422	EA	Single Post Swing, 2-Place, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140769B) .....	2,693.69	329.49
11 68	13 00-0423	EA	Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140770A) .....	1,936.82	164.74
11 68	13 00-0424	EA	Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140770B) .....	2,067.93	164.74
11 68	13 00-0425	EA	Toddler Swing Add-On, With (1) Full-Bucket Seat, Without Post (Landscape Structures® 151852A) .....	973.37	54.91
11 68	13 00-0426	EA	Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 120891A) .....	4,954.15	439.32
11 68	13 00-0427	EA	Additional Bay, Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 139188A) .....	3,472.08	219.66
11 68	13 00-0428	EA	4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Posts (Landscape Structures® 120892B) .....	4,501.52	439.32
11 68	13 00-0429	EA	Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Posts (Landscape Structures® 141458B) .....	2,910.19	219.66
11 68	13 00-0430	EA	Toddler Swing, With (2) Full-Bucket Seats (Landscape Structures® 117962B) .....	2,239.05	219.66
11 68	13 00-0431	EA	Curved Balance Beam (Landscape Structures® 100041A) .....	949.43	73.22
11 68	13 00-0432	EA	Drop Shot, (Direct Bury Only) (Landscape Structures® 100042A) .....	1,680.35	137.29
11 68	13 00-0433	EA	Basketball Outfit, 6' Offset, Fan Permalene Backboard, Chain Net (Landscape Structures® 116947A) .....	3,581.34	219.66
11 68	13 00-0434	EA	Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Chain Net (Landscape Structures® 116947B) .....	4,002.75	219.66
11 68	13 00-0435	EA	Basketball Outfit, 6' Offset, Fan Permalene Backboard, Nylon Net (Landscape Structures® 116947C) .....	3,573.53	219.66
11 68	13 00-0436	EA	Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Nylon Net (Landscape Structures® 116947D) .....	3,994.95	219.66
11 68	13 00-0437	EA	FitCore Outdoor Fitness Equipment With Aluminum Posts, (Direct Bury Only) (Landscape Structures® 123722A) .....	17,685.46	1,976.92
11 68	13 00-0438	EA	FitCore Outdoor Fitness Equipment With Steel Posts, (Direct Bury Only) (Landscape Structures® 123722B) .....	17,170.39	1,976.92
11 68	13 00-0439	EA	Fitness Cluster With Steel Posts (Landscape Structures® 120874B) .....	11,100.94	1,317.95
11 68	13 00-0440	EA	Fitness Cluster With Aluminum Posts (Landscape Structures® 120874A) .....	11,319.46	1,317.95
11 68	13 00-0441	EA	Aluminum Posts, Climbing Wall (Landscape Structures® 153354A) .....	2,504.39	219.66
11 68	13 00-0442	EA	Steel Posts, Climbing Wall (Landscape Structures® 153354B) .....	2,426.35	219.66
11 68	13 00-0443	EA	30" Galvanized Stake, TuffTimber Edgers (Landscape Structures® 100626A) .....	22.42	9.15
11 68	13 00-0444	EA	TuffTimber, 4' Length, TuffTimber Edgers, Black Only (Landscape Structures® 119214A) .....	71.38	9.15
11 68	13 00-0445	EA	TuffTimbers Access Wedge, TuffTimber Edgers, Black Only (Landscape Structures® 130799A) .....	904.73	18.31
11 68	13 00-0446	EA	Age Appropriate Fitness Sign, Ages 12 And Over (Landscape Structures® 114483A) .....	498.40	27.46
11 68	13 00-0447	EA	Age Appropriate Fitness Sign, Ages 5 to 12 (Landscape Structures® 114484A) .....	498.40	27.46
11 68	13 00-0448	EA	Accessible Playground Sign, With 2-3/8" Post (Landscape Structures® 100103A) .....	467.19	27.46
11 68	13 00-0449	EA	Age Appropriate Sign, With PlayShaper Posts, Optional Name* (Landscape Structures® 100104A) .....	958.84	27.46
11 68	13 00-0450	EA	Age Appropriate Sign, With PlayShaper Posts, 2 - 5 Years* (Landscape Structures® 100105A) .....	810.56	27.46
11 68	13 00-0451	EA	Age Appropriate Sign, With PlayShaper Posts, 5 - 12 Years* (Landscape Structures® 100106A) .....	810.56	27.46
11 68	13 00-0452	EA	Flat Molded Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100052A) .....	272.61	18.31
11 68	13 00-0453	EA	Molded Bucket Seat (Specify Color), Swing Accessories (Excludes Chain) (Landscape Structures® 100054A) .....	676.82	54.91
11 68	13 00-0454	EA	Full-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100055A) .....	350.13	27.46
11 68	13 00-0455	EA	Half-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 112228A) .....	334.52	27.46
11 68	13 00-0456	EA	Slash-Proof Belt Seat, Swing Accessories (Landscape Structures® 132385A) .....	108.72	18.31
11 68	13 00-0457	EA	Seat Strap for Molded Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 111416A) .....	102.48	18.31
11 68	13 00-0458	LF	TuffTurf Geotextile Fabric, (12 1/2' Wide Roll), Order an Additional 20% for Overlap/Waste, per LF (Landscape Structures® 109694A) .....	8.86	2.75
11 68	13 00-0459	EA	TuffTurf Adhesive 10.6 oz. Tube, (Approximate Coverage: 3 Tiles per Tube) (Landscape Structures® 114513A) .....	11.32	
11 68	13 00-0460	EA	Rider, Direct Bury Leg, Concrete, (Direct Bury Only) (Landscape Structures® 115381A) .....	256.48	27.46
11 68	13 00-0461	EA	Mesh SanDirect Buryox Cover, 4' Square (Landscape Structures® 120530A) .....	85.31	13.72



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment and Structures</b>	<b>11 68</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0462 EA Mesh SanDirect Buryox Cover, 8' Square (Landscape Structures® 120530B).....	295.50	27.46
11 68 13 00-0463 EA Mesh SanDirect Buryox Cover, 8' L-Shaped (Landscape Structures® 120530C).....	248.67	27.46
11 68 13 00-0464 EA 4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Aluminum Posts (Landscape Structures® 120892A).....	4,291.50	219.66
11 68 13 00-0465 EA TuffTurf Tiles - 3' x 3' x 1-1/2", Square (Landscape Structures® 122868A).....	155.55	13.72
11 68 13 00-0466 EA TuffTurf Tiles - 3' x 3' x 1-1/2", 1-Bevel (Landscape Structures® 122868B).....	155.55	13.72
11 68 13 00-0467 EA TuffTurf Tiles - 3' x 3' x 1-1/2", 2-Bevel (Landscape Structures® 122868C).....	155.55	13.72
11 68 13 00-0468 EA TuffTurf Tiles - 3' x 3' x 1-1/2", 3-Bevel (Landscape Structures® 122868D).....	155.55	13.72
11 68 13 00-0469 EA TuffTurf Tiles - 3' x 3' x 1-1/2", 4-Bevel (Landscape Structures® 122868E).....	155.55	13.72
11 68 13 00-0470 EA TuffTurf Tiles - 3' x 3' x 1-1/2", Corner Bevel (Landscape Structures® 122868F).....	155.55	13.72
11 68 13 00-0471 EA Rider, 4-Bevel TuffTurf Tile, With Hole, For TuffRiders And Whimsy Riders * (Landscape Structures® 122869A).....	163.35	13.72
11 68 13 00-0472 EA 1-Place, Surge Swing, Uncoated Chain (Landscape Structures® 127680A).....	2,219.89	109.83
11 68 13 00-0473 EA 1-Place, Surge Swing, TenderTuff-coated Chain (Landscape Structures® 127680B).....	2,285.45	109.83
11 68 13 00-0474 EA TuffTurf Adhesive 1 Gallon (Approximate Coverage: 15 Tiles per Gallon) (Landscape Structures® 128036A).....	78.04	
11 68 13 00-0475 EA 1-Place, Surge Swing, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 139910A).....	2,383.78	109.83
11 68 13 00-0476 EA 1-Place, Surge Swing, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 139910B).....	2,449.33	109.83
11 68 13 00-0477 EA Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Aluminum Posts (Landscape Structures® 141458A).....	2,896.71	164.74
11 68 13 00-0478 EA The Pinnacle Natural Climber (Landscape Structures® 156065A).....	23,487.97	658.98
11 68 13 00-0479 EA The Pointe Natural Climber (Landscape Structures® 156067A).....	13,273.22	439.32
11 68 13 00-0480 EA Hemisphere Climber With Single Arch, Independent Climber (Landscape Structures® 156435A).....	13,273.22	439.32
11 68 13 00-0481 EA 5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157107A).....	1,814.09	109.83
11 68 13 00-0482 EA 5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157107B).....	1,945.19	109.83
11 68 13 00-0483 EA 5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157107C).....	2,016.99	109.83
11 68 13 00-0484 EA 5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157107D).....	2,148.10	109.83
11 68 13 00-0485 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157108A).....	1,043.61	54.91
11 68 13 00-0486 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff- coated Chain (Landscape Structures® 157108B).....	1,174.72	54.91
11 68 13 00-0487 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157108C).....	1,113.84	54.91
11 68 13 00-0488 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157108D).....	1,244.95	54.91
11 68 13 00-0489 EA 5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157109A).....	1,892.13	109.83
11 68 13 00-0490 EA 5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157109B).....	2,091.91	109.83
11 68 13 00-0491 EA 5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157109C).....	2,095.03	109.83
11 68 13 00-0492 EA 5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157109D).....	2,294.81	109.83
11 68 13 00-0493 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157110A).....	1,106.04	54.91
11 68 13 00-0494 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff- coated Chain (Landscape Structures® 157110B).....	1,397.35	109.83
11 68 13 00-0495 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157110C).....	1,176.28	54.91
11 68 13 00-0496 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157110D).....	1,467.59	109.83
11 68 13 00-0497 EA 5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157111A).....	1,970.17	109.83
11 68 13 00-0498 EA 5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157111B).....	2,101.27	109.83
11 68 13 00-0499 EA 5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157111C).....	2,173.07	109.83
11 68 13 00-0500 EA 5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff- coated Chain (Landscape Structures® 157111D).....	2,304.18	109.83
11 68 13 00-0501 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157112A).....	1,191.88	54.91
11 68 13 00-0502 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157112B).....	1,414.52	109.83
11 68 13 00-0503 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157112C).....	1,262.12	54.91
11 68 13 00-0504 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157112D).....	1,484.76	109.83
11 68 13 00-0505 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157113A).....	2,048.21	109.83
11 68 13 00-0506 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157113B).....	2,247.99	109.83
11 68 13 00-0507 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157113C).....	2,251.11	109.83
11 68 13 00-0508 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff- coated Chain (Landscape Structures® 157113D).....	2,450.89	109.83
11 68 13 00-0509 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157114A).....	1,262.12	54.91
11 68 13 00-0510 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157114B).....	1,553.43	109.83
11 68 13 00-0511 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157114C).....	1,423.89	109.83

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0512	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157114D).....	1,623.67	109.83
11 68 13 00-0513	EA		Motorcycle TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157286A) .....	1,814.09	109.83
11 68 13 00-0514	EA		Motorcycle TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157286B).....	2,016.99	109.83
11 68 13 00-0515	EA		T-Rex TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157287A).....	1,533.14	109.83
11 68 13 00-0516	EA		T-Rex TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157287B) .....	1,743.85	109.83
11 68 13 00-0517	EA		Bird TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157288A) .....	1,548.75	109.83
11 68 13 00-0518	EA		Bird TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157288B).....	1,759.46	109.83
11 68 13 00-0519	EA		Horse TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157289A).....	1,533.14	109.83
11 68 13 00-0520	EA		Horse TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157289B).....	1,743.85	109.83
11 68 13 00-0521	EA		Car TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157290A).....	1,814.09	109.83
11 68 13 00-0522	EA		Car TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157290B) .....	2,016.99	109.83
11 68 13 00-0523	EA		Zebra Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157291A).....	1,665.81	109.83
11 68 13 00-0524	EA		Zebra Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157291B) .....	1,853.11	109.83
11 68 13 00-0525	EA		Sea Horse Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157292A) .....	1,759.46	109.83
11 68 13 00-0526	EA		Sea Horse Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157292B).....	1,962.36	109.83
11 68 13 00-0527	EA		Dolphin Whimsy Riders, With Torsion Spring, SM (Landscape Structures® 157293A).....	1,689.22	109.83
11 68 13 00-0528	EA		Dolphin Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157293B).....	1,884.32	109.83
11 68 13 00-0529	EA		Kids In Motion, Wobble Pod Bouncer, (Direct Bury Only) (Landscape Structures® 158105A).....	1,751.65	109.83
11 68 13 00-0530	EA		Chatter Noodle Kit, (2) Noodle Posts And Tubing, (Direct Bury Only) (Landscape Structures® 158106A) .....	2,422.80	109.83
11 68 13 00-0531	EA		8" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108A).....	1,191.88	54.91
11 68 13 00-0532	EA		16" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108B).....	1,199.69	54.91
11 68 13 00-0533	EA		24" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108C).....	1,207.49	54.91
11 68 13 00-0534	EA		Single, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426A).....	2,173.07	109.83
11 68 13 00-0535	EA		Double, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426B) .....	3,739.55	164.74
11 68 13 00-0536	EA		Triple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426C) .....	5,649.40	219.66
11 68 13 00-0537	EA		Quadruple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426D).....	7,044.20	274.57
11 68 13 00-0538	EA		10", Pod Climber, One Pod Only (Landscape Structures® 158997A).....	350.13	27.46
11 68 13 00-0539	EA		20", Pod Climber, One Pod Only (Landscape Structures® 158998A) .....	365.73	27.46
11 68 13 00-0540	EA		CoolToppers Shade System, Super Pyramid, 30' x 30', 13'-9" Entrance Height, (Direct Bury Only) (Landscape Structures® 159873A) .....	12,336.74	439.32
11 68 13 00-0541	EA		CoolToppers Shade System, Pyramid, 18' x 18', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881A).....	6,523.45	219.66
11 68 13 00-0542	EA		CoolToppers Shade System, Pyramid, 18' x 18', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881B).....	6,732.04	274.57
11 68 13 00-0543	EA		CoolToppers Shade System, Pyramid, 18' x 18', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881C).....	6,841.29	274.57
11 68 13 00-0544	EA		CoolToppers Shade System, Pyramid, 24' x 24', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882A).....	8,324.05	274.57
11 68 13 00-0545	EA		CoolToppers Shade System, Pyramid, 24' x 24', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882B).....	8,433.31	274.57
11 68 13 00-0546	EA		CoolToppers Shade System, Pyramid, 24' x 24', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882C).....	8,558.17	274.57
11 68 13 00-0547	EA		CoolToppers Shade System, Pyramid, 28' x 28', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883A).....	10,577.29	329.49
11 68 13 00-0548	EA		CoolToppers Shade System, Pyramid, 28' x 28', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883B).....	10,702.15	329.49
11 68 13 00-0549	EA		CoolToppers Shade System, Pyramid, 28' x 28', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883C).....	10,819.21	329.49
11 68 13 00-0550	EA		Stationary Cyclus, Pedals Only, With Grab Bar, With Aluminum Posts (Landscape Structures® 160055A).....	1,985.77	109.83
11 68 13 00-0551	EA		Stationary Cyclus, Handles Only, With Aluminum Posts (Landscape Structures® 160055B).....	1,712.63	109.83
11 68 13 00-0552	EA		Stationary Cyclus, Pedals And Handles, With Aluminum Posts (Landscape Structures® 160055C).....	2,477.43	109.83
11 68 13 00-0553	EA		Stationary Cyclus, Handles Only, Accessible, With Aluminum Posts (Landscape Structures® 160055D).....	1,712.63	109.83
11 68 13 00-0554	EA		Stationary Cyclus, Pedals Only, With Grab Bar, With Steel Posts (Landscape Structures® 160055E).....	1,938.95	109.83
11 68 13 00-0555	EA		Stationary Cyclus, Handles Only, With Steel Posts (Landscape Structures® 160055F).....	1,665.81	109.83
11 68 13 00-0556	EA		Stationary Cyclus, Pedals And Handles, With Steel Posts (Landscape Structures® 160055G) .....	2,430.60	109.83
11 68 13 00-0557	EA		Stationary Cyclus, Handles Only, Accessible, With Steel Posts (Landscape Structures® 160055H).....	1,665.81	109.83
11 68 13 00-0558	EA		Single, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160315A) .....	2,904.52	164.74
11 68 13 00-0559	EA		Single, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160315B) .....	2,857.69	164.74
11 68 13 00-0560	EA		Double, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160316A).....	4,986.06	219.66
11 68 13 00-0561	EA		Double, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160316B).....	4,939.23	219.66
11 68 13 00-0562	EA		The Peak Natural Climber (Landscape Structures® 160418A).....	7,215.88	274.57
11 68 13 00-0563	EA		The Stepper Natural Climbing Stone (Landscape Structures® 160419A).....	3,653.70	164.74
11 68 13 00-0564	EA		Double Escalator Climber, Independent Climber, Steel Posts, (Direct Bury Only) (Landscape Structures® 160692A).....	8,948.37	274.57
11 68 13 00-0565	EA		HealthBeat Outdoor Fitness System, Chest/Back Press, Direct Bury (Landscape Structures® 161309A).....	6,601.49	219.66
11 68 13 00-0566	EA		HealthBeat Outdoor Fitness System, Chest/Back Press, Surface Mount (Landscape Structures® 161309B) .....	6,258.11	219.66
11 68 13 00-0567	EA		HealthBeat Outdoor Fitness System, Squat Press, Direct Bury (Landscape Structures® 161310A).....	6,601.49	219.66
11 68 13 00-0568	EA		HealthBeat Outdoor Fitness System, Squat Press, Surface Mount (Landscape Structures® 161310B).....	6,258.11	219.66
11 68 13 00-0569	EA		HealthBeat Outdoor Fitness System, Tai Chi Wheels, Direct Bury (Landscape Structures® 161311A).....	3,567.86	164.74
11 68 13 00-0570	EA		HealthBeat Outdoor Fitness System, Tai Chi Wheels, Surface Mount (Landscape Structures® 161311B) .....	3,216.68	164.74
11 68 13 00-0571	EA		HealthBeat Outdoor Fitness System, Cardio Stepper, Direct Bury (Landscape Structures® 161312A).....	8,253.82	274.57
11 68 13 00-0572	EA		HealthBeat Outdoor Fitness System, Cardio Stepper, Surface Mount (Landscape Structures® 161312B) .....	7,910.44	274.57
11 68 13 00-0573	EA		HealthBeat Outdoor Fitness System, Pull-Up/Dip, Direct Bury (Landscape Structures® 161313A).....	3,216.68	164.74
11 68 13 00-0574	EA		HealthBeat Outdoor Fitness System, Pull-Up/Dip, Surface Mount (Landscape Structures® 161313B) .....	2,873.30	164.74
11 68 13 00-0575	EA		HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Direct Bury (Landscape Structures® 161314A) .....	3,130.83	164.74
11 68 13 00-0576	EA		HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Surface Mount (Landscape Structures® 161314B).....	2,873.30	164.74
11 68 13 00-0577	EA		HealthBeat Outdoor Fitness System, Balance Steps, Direct Bury (Landscape Structures® 161315A).....	3,739.55	164.74
11 68 13 00-0578	EA		HealthBeat Outdoor Fitness System, Balance Steps, Surface Mount (Landscape Structures® 161315B) .....	3,911.23	164.74
11 68 13 00-0579	EA		HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Direct Bury (Landscape Structures® 161316A).....	2,959.15	164.74
11 68 13 00-0580	EA		HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Surface Mount (Landscape Structures® 161316B).....	2,873.30	164.74



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment and Structures</b>	<b>11 68</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0581	EA		HealthBeat Outdoor Fitness System, Plyometrics, Direct Bury (Landscape Structures® 161317A) .....	3,739.55	164.74
11 68 13 00-0582	EA		HealthBeat Outdoor Fitness System, Plyometrics, Surface Mount (Landscape Structures® 161317B) .....	3,911.23	164.74
11 68 13 00-0583	EA		HealthBeat Outdoor Fitness System, Welcome Intro Sign, Direct Bury (Landscape Structures® 161437A) .....	1,392.67	109.83
11 68 13 00-0584	EA		HealthBeat Outdoor Fitness System, Welcome Intro Sign, Surface Mount (Landscape Structures® 161437B) .....	957.76	54.91
11 68 13 00-0585	EA		Global Releaf Sign With Frame (Landscape Structures® 162617A) .....	856.31	54.91
11 68 13 00-0586	EA		Single, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164074A) .....	1,106.04	54.91
11 68 13 00-0587	EA		Single, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164074B) .....	1,408.28	109.83
11 68 13 00-0588	EA		Double, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164075A) .....	2,134.05	109.83
11 68 13 00-0589	EA		Double, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164075B) .....	2,290.13	109.83
11 68 13 00-0590	EA		16" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157A) .....	1,634.59	109.83
11 68 13 00-0591	EA		24" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157B) .....	1,650.20	109.83
<b>11 68 13 00-0592</b>			<b>Playground Equipment (Landscape Structures® PlayBooster®) <small>(11 68 13 00-0122)</small></b>		
11 68 13 00-0593	EA		116" Aluminum Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273A) .....	1,525.34	109.83
11 68 13 00-0594	EA		Log Roll, (1) Aluminum Post, Tan Log Only (Landscape Structures® PlayBooster® 111356A) .....	1,634.59	109.83
11 68 13 00-0595	EA		Chinning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357A) .....	653.41	54.91
11 68 13 00-0596	EA		Turning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357B) .....	622.19	54.91
11 68 13 00-0597	EA		182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403A) .....	498.40	27.46
11 68 13 00-0598	EA		174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403B) .....	490.60	27.46
11 68 13 00-0599	EA		166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403C) .....	467.19	27.46
11 68 13 00-0600	EA		158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403D) .....	459.38	27.46
11 68 13 00-0601	EA		150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403E) .....	435.97	27.46
11 68 13 00-0602	EA		142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403F) .....	428.17	27.46
11 68 13 00-0603	EA		134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403G) .....	412.56	27.46
11 68 13 00-0604	EA		126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403H) .....	404.75	27.46
11 68 13 00-0605	EA		118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403I) .....	381.34	27.46
11 68 13 00-0606	EA		110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403J) .....	373.54	27.46
11 68 13 00-0607	EA		148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404A) .....	435.97	27.46
11 68 13 00-0608	EA		140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404B) .....	420.36	27.46
11 68 13 00-0609	EA		132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404C) .....	412.56	27.46
11 68 13 00-0610	EA		124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404D) .....	404.75	27.46
11 68 13 00-0611	EA		116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404E) .....	381.34	27.46
11 68 13 00-0612	EA		108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404F) .....	373.54	27.46
11 68 13 00-0613	EA		100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404G) .....	365.73	27.46
11 68 13 00-0614	EA		92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404H) .....	350.13	27.46
11 68 13 00-0615	EA		84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404I) .....	334.52	27.46
11 68 13 00-0616	EA		76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404J) .....	311.11	27.46
11 68 13 00-0617	EA		106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405A) .....	614.39	54.91
11 68 13 00-0618	EA		98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405B) .....	590.98	54.91
11 68 13 00-0619	EA		90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405C) .....	567.56	54.91
11 68 13 00-0620	EA		82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405D) .....	506.21	27.46
11 68 13 00-0621	EA		74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405E) .....	498.40	27.46
11 68 13 00-0622	EA		66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405F) .....	482.79	27.46
11 68 13 00-0623	EA		58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405G) .....	459.38	27.46
11 68 13 00-0624	EA		50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405H) .....	451.57	27.46
11 68 13 00-0625	EA		42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405I) .....	435.97	27.46
11 68 13 00-0626	EA		CloudDirect Buryurst Triple Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 144414A) .....	4,917.43	183.05
11 68 13 00-0627	EA		TurboTwister Tunnel Slide, 96" Deck, Excludes Posts (Landscape Structures® PlayBooster® 123763A) .....	6,341.15	494.23
11 68 13 00-0628	EA		Double Poly Slide, 32" Deck (Landscape Structures® PlayBooster® 123331A) .....	2,101.77	137.29
11 68 13 00-0629	EA		Double Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123331B) .....	2,328.09	137.29
11 68 13 00-0630	EA		Double Swoosh Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 130390A) .....	2,701.61	164.74
11 68 13 00-0631	EA		40" Deck, El Slide (Landscape Structures® PlayBooster® 126368A) .....	3,295.25	155.59
11 68 13 00-0632	EA		48" Deck, El Slide (Landscape Structures® PlayBooster® 126368B) .....	3,755.15	164.74
11 68 13 00-0633	EA		56" Deck, El Slide (Landscape Structures® PlayBooster® 126368C) .....	3,973.67	164.74
11 68 13 00-0634	EA		64" Deck, El Slide (Landscape Structures® PlayBooster® 126368D) .....	4,449.19	183.05
11 68 13 00-0635	EA		72" Deck, El Slide (Landscape Structures® PlayBooster® 126368E) .....	4,659.90	183.05
11 68 13 00-0636	EA		96" Deck, El Slide, Excludes Posts (Landscape Structures® PlayBooster® 126368F) .....	6,234.18	237.97
11 68 13 00-0637	EA		Firepole With Permalene® Handholds 32"-48" Deck (Landscape Structures® PlayBooster® 148426A) .....	971.25	109.83
11 68 13 00-0638	EA		Firepole With Permalene® Handholds 56"-72" Deck (Landscape Structures® PlayBooster® 148426B) .....	994.67	109.83
11 68 13 00-0639	EA		Firepole With SteelX® Handholds 32"-48" Deck (Landscape Structures® PlayBooster® 148435A) .....	1,314.63	109.83
11 68 13 00-0640	EA		Firepole With SteelX® Handholds 56"-72" Deck (Landscape Structures® PlayBooster® 148435B) .....	1,353.65	109.83
11 68 13 00-0641	EA		32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800A) .....	4,974.02	329.49
11 68 13 00-0642	EA		40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800B) .....	5,738.81	329.49
11 68 13 00-0643	EA		48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800C) .....	6,183.64	329.49
11 68 13 00-0644	EA		56" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800D) .....	7,303.16	439.32
11 68 13 00-0645	EA		64" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800E) .....	7,482.65	439.32
11 68 13 00-0646	EA		72" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800F) .....	8,746.90	439.32
11 68 13 00-0647	EA		96" Deck, Gemini SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 130800G) .....	10,311.26	549.15
11 68 13 00-0648	EA		40" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333A) .....	8,137.82	247.12
11 68 13 00-0649	EA		56" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333B) .....	10,234.97	302.03
11 68 13 00-0650	EA		Single Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123337A) .....	1,790.67	109.83
11 68 13 00-0651	EA		32" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863A) .....	2,373.85	164.74
11 68 13 00-0652	EA		40" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863B) .....	2,646.99	164.74
11 68 13 00-0653	EA		48" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863C) .....	2,951.34	164.74
11 68 13 00-0654	EA		56" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863D) .....	3,347.22	219.66
11 68 13 00-0655	EA		64" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863E) .....	3,487.69	219.66
11 68 13 00-0656	EA		72" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863F) .....	3,987.15	219.66
11 68 13 00-0657	EA		96" Deck, SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 124863G) .....	4,765.43	274.57
11 68 13 00-0658	EA		72" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033A) .....	7,093.51	411.86
11 68 13 00-0659	EA		72" Slide, With Hanger Bracket, 64" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033B) .....	7,368.24	375.25

**11 Equipment**  
**11 60 Entertainment and Recreation Equipment**  
**11 68 Play Field Equipment and Structures**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-0660	EA	56" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033C).....	6,437.98	411.86
11 68	13 00-0661	EA	56" Slide, With Hanger Bracket, 48" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033D).....	6,689.29	375.25
11 68	13 00-0662	EA	32" - 40" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340A).....	2,546.60	137.29
11 68	13 00-0663	EA	48" - 56" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340B).....	2,772.91	137.29
11 68	13 00-0664	EA	64" - 72" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340C).....	3,428.45	137.29
11 68	13 00-0665	EA	32" - 40" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945A).....	2,819.74	137.29
11 68	13 00-0666	EA	48" - 56" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945B).....	3,046.05	137.29
11 68	13 00-0667	EA	64" - 72" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945C).....	3,717.20	137.29
11 68	13 00-0668	EA	32" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367A).....	2,874.37	137.29
11 68	13 00-0669	EA	40" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367B).....	3,046.05	137.29
11 68	13 00-0670	EA	48" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367C).....	3,505.96	155.59
11 68	13 00-0671	EA	56" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367D).....	3,708.33	164.74
11 68	13 00-0672	EA	64" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367E).....	4,145.35	164.74
11 68	13 00-0673	EA	72" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367F).....	4,293.63	164.74
11 68	13 00-0674	EA	96" Deck, Tunnel Slide, Excludes Posts (Landscape Structures® PlayBooster® 126367G).....	5,665.01	219.66
11 68	13 00-0675	EA	Step Deck, 16" - 32" Decks, Brown Only (Landscape Structures® PlayBooster® 111465A).....	1,028.00	54.91
11 68	13 00-0676	EA	Sky Rail Climber, 64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 146812A).....	1,815.15	82.37
11 68	13 00-0677	EA	Stepping Block Climber, 32" Deck Height Difference (Landscape Structures® PlayBooster® 130742A).....	4,106.33	164.74
11 68	13 00-0678	EA	32" Deck, Block Climber (Landscape Structures® PlayBooster® 135344A).....	2,645.39	210.51
11 68	13 00-0679	EA	40" Deck, Block Climber (Landscape Structures® PlayBooster® 135344B).....	3,082.41	210.51
11 68	13 00-0680	EA	32" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491A).....	2,996.57	210.51
11 68	13 00-0681	EA	40" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491B).....	3,449.20	210.51
11 68	13 00-0682	EA	Fish Net Climber, CableCore Climbing Cable, 16" - 32" Deck (Landscape Structures® PlayBooster® 126194A).....	3,256.23	155.59
11 68	13 00-0683	EA	Wavy Web Climber, 48" - 56" Deck (Landscape Structures® PlayBooster® 126273A).....	3,193.27	164.74
11 68	13 00-0684	EA	Wavy Web Climber, 64" - 72" Deck (Landscape Structures® PlayBooster® 126273B).....	3,427.39	164.74
11 68	13 00-0685	EA	Wavy Web Climber, 48" - 56" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442A).....	3,848.80	164.74
11 68	13 00-0686	EA	Wavy Web Climber, 64" - 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442B).....	4,075.12	164.74
11 68	13 00-0687	EA	Circus Ladder, CableCore Climbing Cable, 48" Deck (Landscape Structures® PlayBooster® 126272B).....	1,546.62	164.74
11 68	13 00-0688	EA	Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck (Landscape Structures® PlayBooster® 126272C).....	1,632.47	164.74
11 68	13 00-0689	EA	Circus Ladder, CableCore Climbing Cable, 72" Deck (Landscape Structures® PlayBooster® 126272D).....	1,741.72	164.74
11 68	13 00-0690	EA	Circus Ladder, CableCore Climbing Cable, 32" - 40" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441A).....	2,108.51	164.74
11 68	13 00-0691	EA	Circus Ladder, CableCore Climbing Cable, 48" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441B).....	2,194.35	164.74
11 68	13 00-0692	EA	Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441C).....	2,303.61	164.74
11 68	13 00-0693	EA	Circus Ladder, CableCore Climbing Cable, 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441D).....	2,389.45	164.74
11 68	13 00-0694	EA	Spider Web Climber, 16" - 32" Decks (Direct Bury Only) (Landscape Structures® PlayBooster® 136158A).....	3,425.26	219.66
11 68	13 00-0695	EA	Chimney Climber, 56" - 64" Deck (Landscape Structures® PlayBooster® 153617A).....	4,408.56	219.66
11 68	13 00-0696	EA	Chimney Climber, 72" Deck (Landscape Structures® PlayBooster® 153617B).....	4,986.06	219.66
11 68	13 00-0697	EA	Chimney Climb Across, Straight, 72" To 72" Deck Or 64" To 64" Deck (Landscape Structures® PlayBooster® 155042A).....	6,242.50	219.66
11 68	13 00-0698	EA	Chimney Climb Across, Straight, 56" To 56" Deck (Landscape Structures® PlayBooster® 155042B).....	5,633.79	219.66
11 68	13 00-0699	EA	Chimney Climb Across, Straight, 48" To 48" Deck Or 40" To 40" Deck (Landscape Structures® PlayBooster® 155042C).....	4,986.06	219.66
11 68	13 00-0700	EA	Chimney Climb Across, Straight, 32" To 32" Deck (Landscape Structures® PlayBooster® 155042D).....	4,314.91	219.66
11 68	13 00-0701	EA	Chimney Climb Across, 24" Difference, 72" To 48" Deck Or 64" To 40" Deck (Landscape Structures® PlayBooster® 155043A).....	6,008.38	219.66
11 68	13 00-0702	EA	Chimney Climb Across, 24" Difference, 56" To 32" Deck (Landscape Structures® PlayBooster® 155043B).....	5,633.79	219.66
11 68	13 00-0703	EA	Chimney Climb Across, 24" Difference, 48" To 24" Deck (Landscape Structures® PlayBooster® 155043C).....	5,259.20	219.66
11 68	13 00-0704	EA	48" - 56" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975A).....	2,646.99	164.74
11 68	13 00-0705	EA	64" - 72" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975B).....	3,435.19	164.74
11 68	13 00-0706	EA	24" Deck Height Difference, Catwalk Climber (Landscape Structures® PlayBooster® 128986A).....	2,062.75	137.29
11 68	13 00-0707	EA	48" - 56" Deck, Centipede Climber (Landscape Structures® PlayBooster® 123291A).....	1,766.73	128.14
11 68	13 00-0708	EA	48" - 56" Deck, 90 Degree Tri-Deck, Centipede Climber (Landscape Structures® PlayBooster® 126376A).....	2,375.44	128.14
11 68	13 00-0709	EA	48" - 56" Deck, SteelX, Centipede Climber (Landscape Structures® PlayBooster® 139496A).....	2,102.30	128.14
11 68	13 00-0710	EA	40" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352A).....	1,867.65	137.29
11 68	13 00-0711	EA	48" - 56" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352B).....	1,961.30	137.29
11 68	13 00-0712	EA	64" - 72" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352C).....	2,039.34	137.29
11 68	13 00-0713	EA	40" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350A).....	1,180.90	137.29
11 68	13 00-0714	EA	48" - 56" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350B).....	1,243.33	137.29
11 68	13 00-0715	EA	64" - 72" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350C).....	1,344.78	137.29
11 68	13 00-0716	EA	40" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351A).....	1,516.47	137.29
11 68	13 00-0717	EA	48" - 56" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351B).....	1,578.90	137.29
11 68	13 00-0718	EA	64" - 72" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351C).....	1,664.75	137.29
11 68	13 00-0719	EA	48" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570A).....	2,039.34	137.29
11 68	13 00-0720	EA	56" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570B).....	2,054.95	137.29
11 68	13 00-0721	EA	64" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570C).....	2,421.73	137.29
11 68	13 00-0722	EA	72" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570D).....	2,437.34	137.29
11 68	13 00-0723	EA	48" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501A).....	2,367.11	137.29
11 68	13 00-0724	EA	56" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501B).....	2,406.13	137.29
11 68	13 00-0725	EA	64" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501C).....	2,772.91	137.29
11 68	13 00-0726	EA	72" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501D).....	2,796.33	137.29
11 68	13 00-0727	EA	72" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199A).....	4,643.76	192.20
11 68	13 00-0728	EA	40" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199B).....	3,800.92	192.20
11 68	13 00-0729	EA	32" - 48" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432A).....	1,330.24	109.83
11 68	13 00-0730	EA	56" - 72" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432B).....	1,501.93	109.83
11 68	13 00-0731	EA	32" - 48" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437A).....	1,673.61	109.83
11 68	13 00-0732	EA	56" - 72" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437B).....	1,892.13	109.83
11 68	13 00-0733	EA	64" - 72" Deck, Corner Climber (Landscape Structures® PlayBooster® 143198A).....	4,532.37	247.12



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment and Structures</b>	<b>11 68</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0734 EA SpaceLink Climber, Net Climber, 72" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145106A).....	6,255.63	82.37
11 68 13 00-0735 EA Manta Ray Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108A).....	6,195.68	219.66
11 68 13 00-0736 EA Manta Ray Climber, Net Climber, 56" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108B).....	6,195.68	219.66
11 68 13 00-0737 EA Manta Ray Climber, 64" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108C).....	6,195.68	219.66
11 68 13 00-0738 EA SpaceLink Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145240A).....	6,255.63	82.37
11 68 13 00-0739 EA Star Seeker Climber, Net Climber, 72" Deck (Attaches To Square Decks Only, Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 148039A).....	3,944.58	109.83
11 68 13 00-0740 EA SpaceWalk Climber, Net Climber, Deck-To-Deck, 32" - 48" Deck (Landscape Structures® PlayBooster® 145107A).....	8,080.70	109.83
11 68 13 00-0741 EA Funnel Climber, Net Climber (Landscape Structures® PlayBooster® 145109A).....	4,466.38	137.29
11 68 13 00-0742 EA Funnel Climber, Short Brace, Net Climber (Landscape Structures® PlayBooster® 145248A).....	201.85	27.46
11 68 13 00-0743 EA Funnel Climber, Long Brace, Net Climber (Landscape Structures® PlayBooster® 145249A).....	233.07	27.46
11 68 13 00-0744 EA Funnel Climber, Vertical Ladder, Net Climber (Landscape Structures® PlayBooster® 145250A).....	880.80	27.46
11 68 13 00-0745 EA Funnel Climber, Handhold Panels, Net Climber (Landscape Structures® PlayBooster® 145251A).....	311.11	27.46
11 68 13 00-0746 EA 40" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293A).....	2,771.85	164.74
11 68 13 00-0747 EA 48" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293B).....	2,974.75	164.74
11 68 13 00-0748 EA 40" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374A).....	3,115.23	164.74
11 68 13 00-0749 EA 48" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374B).....	3,403.97	164.74
11 68 13 00-0750 EA 40" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500A).....	3,115.23	164.74
11 68 13 00-0751 EA 48" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500B).....	3,341.54	164.74
11 68 13 00-0752 EA 1-Step With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907A).....	1,557.62	82.37
11 68 13 00-0753 EA 2-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907B).....	2,213.15	82.37
11 68 13 00-0754 EA 3-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907C).....	2,876.49	82.37
11 68 13 00-0755 EA 4-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907D).....	3,532.03	82.37
11 68 13 00-0756 EA 1-Step With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908A).....	1,502.99	82.37
11 68 13 00-0757 EA 2-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908B).....	1,721.50	82.37
11 68 13 00-0758 EA 3-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908C).....	1,947.82	82.37
11 68 13 00-0759 EA 4-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908D).....	2,041.47	82.37
11 68 13 00-0760 EA 1-Step With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910A).....	1,799.54	82.37
11 68 13 00-0761 EA 2-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910B).....	2,033.66	82.37
11 68 13 00-0762 EA 3-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910C).....	2,252.17	82.37
11 68 13 00-0763 EA 4-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910D).....	2,470.69	82.37
11 68 13 00-0764 EA 48" To 48" Deck Or 56" To 56" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916A).....	4,261.36	192.20
11 68 13 00-0765 EA 64" To 64" Deck Or 72" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916B).....	4,370.62	192.20
11 68 13 00-0766 EA 48" To 64" Deck Or 56" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916C).....	4,308.18	192.20
11 68 13 00-0767 EA 48" To 48" Deck Or 56" To 56" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488A).....	4,955.92	192.20
11 68 13 00-0768 EA 64" To 64" Deck Or 72" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488B).....	5,065.17	192.20
11 68 13 00-0769 EA 48" To 64" Deck Or 56" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488C).....	5,018.35	192.20
11 68 13 00-0770 EA 40" - 48" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914A).....	1,649.14	137.29
11 68 13 00-0771 EA 56" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914B).....	1,813.02	137.29
11 68 13 00-0772 EA 64" - 72" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914C).....	1,984.71	137.29
11 68 13 00-0773 EA 40" - 48" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688A).....	2,131.92	164.74
11 68 13 00-0774 EA 56" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688B).....	2,303.61	164.74
11 68 13 00-0775 EA 64" - 72" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688C).....	2,467.49	164.74
11 68 13 00-0776 EA 40" - 48" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493A).....	1,992.51	137.29
11 68 13 00-0777 EA 56" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493B).....	2,148.59	137.29
11 68 13 00-0778 EA 64" - 72" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493C).....	2,328.09	137.29
11 68 13 00-0779 EA 40" - 48" Deck, Loop Ladder (Landscape Structures® PlayBooster® 128252A).....	1,142.94	109.83
11 68 13 00-0780 EA 40" - 48" Deck, SteelX, Loop Ladder (Landscape Structures® PlayBooster® 139495A).....	1,486.32	109.83
11 68 13 00-0781 EA 32" - 48" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434A).....	1,330.24	109.83
11 68 13 00-0782 EA 56" - 72" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434B).....	1,439.49	109.83
11 68 13 00-0783 EA 32" - 48" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438A).....	1,673.61	109.83
11 68 13 00-0784 EA 56" - 72" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438B).....	1,767.26	109.83
11 68 13 00-0785 EA 24" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247A).....	988.45	73.22
11 68 13 00-0786 EA 32" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247B).....	1,089.90	73.22
11 68 13 00-0787 EA 40" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247C).....	1,214.76	73.22
11 68 13 00-0788 EA 48" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247D).....	1,456.17	82.37
11 68 13 00-0789 EA 56" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247E).....	1,643.46	82.37
11 68 13 00-0790 EA 64" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247F).....	1,815.15	82.37
11 68 13 00-0791 EA 72" Deck-To-Ground, Panel Vertical Ladder (Landscape Structures® PlayBooster® 116247G).....	2,049.27	82.37
11 68 13 00-0792 EA 48" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915A).....	2,135.11	82.37
11 68 13 00-0793 EA 64" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915B).....	2,213.15	82.37
11 68 13 00-0794 EA 48" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487A).....	2,478.49	82.37
11 68 13 00-0795 EA 64" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487B).....	2,564.33	82.37
11 68 13 00-0796 EA 48" - 56" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913A).....	2,109.57	137.29
11 68 13 00-0797 EA 64" - 72" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913B).....	2,211.03	137.29
11 68 13 00-0798 EA 48" - 56" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375A).....	2,888.91	164.74
11 68 13 00-0799 EA 64" - 72" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375B).....	3,013.77	164.74

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-0800	EA	48" - 56" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490A).....	2,452.95	137.29
11 68	13 00-0801	EA	64" - 72" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490B).....	2,546.60	137.29
11 68	13 00-0802	EA	32" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533A).....	1,119.53	109.83
11 68	13 00-0803	EA	40" - 48" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533B).....	1,501.93	109.83
11 68	13 00-0804	EA	56" - 64" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533C).....	1,891.59	128.14
11 68	13 00-0805	EA	72" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533D).....	2,281.79	128.14
11 68	13 00-0806	EA	32" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246A).....	1,821.89	109.83
11 68	13 00-0807	EA	40" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246B).....	1,938.95	109.83
11 68	13 00-0808	EA	48" - 56" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246C).....	2,212.09	109.83
11 68	13 00-0809	EA	64" - 72" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246D).....	2,485.23	109.83
11 68	13 00-0810	EA	32" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492A).....	2,173.07	109.83
11 68	13 00-0811	EA	40" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492B).....	2,282.33	109.83
11 68	13 00-0812	EA	48" - 56" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492C).....	2,555.47	109.83
11 68	13 00-0813	EA	64" - 72" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492D).....	2,836.41	109.83
11 68	13 00-0814	EA	Mini Summit Climber 40"-48" Decks (Landscape Structures® PlayBooster® 153076A).....	1,353.08	164.74
11 68	13 00-0815	EA	64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 128608A).....	1,595.57	109.83
11 68	13 00-0816	EA	PlayOdyssey 72" Deck (Landscape Structures® PlayBooster® 129453A).....	1,749.53	164.74
11 68	13 00-0817	EA	48" Deck-To-Ground, Thunderhead Climber With Aluminum Posts (Landscape Structures® PlayBooster® 139778A).....	7,123.67	439.32
11 68	13 00-0818	EA	48" Deck-To-Ground, Thunderhead Climber With Steel Posts (Landscape Structures® PlayBooster® 139778B).....	7,123.67	439.32
11 68	13 00-0819	EA	48" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624A).....	1,423.89	109.83
11 68	13 00-0820	EA	56" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624B).....	1,423.89	109.83
11 68	13 00-0821	EA	64" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624C).....	1,572.16	109.83
11 68	13 00-0822	EA	72" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624D).....	1,572.16	109.83
11 68	13 00-0823	EA	24" - 32" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249A).....	917.69	82.37
11 68	13 00-0824	EA	40" - 48" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249B).....	987.93	82.37
11 68	13 00-0825	EA	56" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249C).....	1,034.75	82.37
11 68	13 00-0826	EA	64" - 72" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249D).....	1,097.18	82.37
11 68	13 00-0827	EA	24" - 32" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372A).....	1,440.56	82.37
11 68	13 00-0828	EA	40" - 48" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372B).....	1,502.99	82.37
11 68	13 00-0829	EA	56" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372C).....	1,557.62	82.37
11 68	13 00-0830	EA	64" - 72" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372D).....	1,627.85	82.37
11 68	13 00-0831	EA	24" - 32" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494A).....	1,253.26	82.37
11 68	13 00-0832	EA	40" - 48" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494B).....	1,300.09	82.37
11 68	13 00-0833	EA	56" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494C).....	1,370.32	82.37
11 68	13 00-0834	EA	64" - 72" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494D).....	1,440.56	82.37
11 68	13 00-0835	EA	56" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284D).....	1,063.84	137.29
11 68	13 00-0836	EA	64" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284E).....	1,102.86	137.29
11 68	13 00-0837	EA	72" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284F).....	1,173.09	137.29
11 68	13 00-0838	EA	32" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371A).....	1,485.25	137.29
11 68	13 00-0839	EA	40" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371B).....	1,547.69	137.29
11 68	13 00-0840	EA	48" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371C).....	1,594.51	137.29
11 68	13 00-0841	EA	56" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371D).....	1,649.14	137.29
11 68	13 00-0842	EA	64" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371E).....	1,703.77	137.29
11 68	13 00-0843	EA	72" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371F).....	1,758.39	137.29
11 68	13 00-0844	EA	32" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502A).....	1,243.33	137.29
11 68	13 00-0845	EA	40" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502B).....	1,305.76	137.29
11 68	13 00-0846	EA	48" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502C).....	1,344.78	137.29
11 68	13 00-0847	EA	56" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502D).....	1,383.80	137.29
11 68	13 00-0848	EA	64" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502E).....	1,430.63	137.29
11 68	13 00-0849	EA	72" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502F).....	1,500.86	137.29
11 68	13 00-0850	EA	Overhead Events Air Dancer Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 121952A).....	2,134.05	109.83
11 68	13 00-0851	EA	Overhead Events Swing Out Overhead Event, 16" Deck Height Only (Landscape Structures® PlayBooster® 120872A).....	1,502.99	82.37
11 68	13 00-0852	EA	Overhead Events Triple Ring Fling Overhead Event, 24" Or 32" Deck-To-Ground (Landscape Structures® PlayBooster® 123824A).....	3,013.77	164.74
11 68	13 00-0853	EA	Overhead Events Ring Pull, Brown Rings Only, Intended For Wheelchair Users (Landscape Structures® PlayBooster® 130873A).....	754.86	54.91
11 68	13 00-0854	EA	Overhead Events 90 Degree Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142890A).....	2,134.05	109.83
11 68	13 00-0855	EA	Overhead Events Circular Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142891A).....	3,841.00	164.74
11 68	13 00-0856	EA	Overhead Events C-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142883A).....	3,046.05	137.29
11 68	13 00-0857	EA	Overhead Events Ring-a-Ling Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 126203A).....	2,888.91	164.74
11 68	13 00-0858	EA	Overhead Events Wave Net, CableCore Climbing Cable, Max. 32" Decks (Landscape Structures® PlayBooster® 126274A).....	3,233.35	137.29
11 68	13 00-0859	EA	Overhead Events Trapeze Horizontal Ladder, 18" Wide, Max. 32" Decks (Landscape Structures® PlayBooster® 111468A).....	2,086.16	137.29
11 68	13 00-0860	EA	Overhead Events Inclined Horizontal Ladder, 16" - 32" Decks, 16" Incline (Landscape Structures® PlayBooster® 142889A).....	1,324.55	54.91
11 68	13 00-0861	EA	Overhead Events Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142887A).....	1,293.34	54.91
11 68	13 00-0862	EA	Overhead Events Overhead Parallel Bars, Max. 32" Decks (Landscape Structures® PlayBooster® 119430A).....	1,363.57	54.91
11 68	13 00-0863	EA	Overhead Events Horizontal Ladder, 84" Module, Max. 16" Decks, 12" Max. Rung Spacing (Landscape Structures® PlayBooster® 139782A).....	1,051.41	54.91
11 68	13 00-0864	EA	Overhead Events Wave Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 119613A).....	1,457.22	54.91
11 68	13 00-0865	EA	Overhead Events Single Beam Loop Horizontal Ladder, 84" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119805A).....	1,168.47	54.91
11 68	13 00-0866	EA	Overhead Events Single Beam Loop Horizontal Ladder, 123" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119806A).....	1,488.44	54.91
11 68	13 00-0867	EA	Overhead Events S-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142884A).....	3,046.05	137.29
11 68	13 00-0868	EA	Overhead Events Single S-Parallel Bar, Max. 32" Decks (Landscape Structures® PlayBooster® 119979A).....	1,293.34	54.91
11 68	13 00-0869	EA	Overhead Events Wiggle Ring Bridge, Max. 32" Decks (Landscape Structures® PlayBooster® 148639A).....	2,238.69	27.46





<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment and Structures</b>	<b>11 68</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-0870	EA	Overhead Events S-Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467A).....	1,916.60	82.37
11 68	13 00-0871	EA	Overhead Events Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467B).....	1,698.09	82.37
11 68	13 00-0872	EA	116" Steel Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273B).....	1,455.10	109.83
11 68	13 00-0873	EA	132" Steel Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208B).....	1,533.14	109.83
11 68	13 00-0874	EA	10' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 111353A).....	2,867.63	109.83
11 68	13 00-0875	EA	18' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 112465A).....	3,226.61	109.83
11 68	13 00-0876	EA	16" - 24" Decks, Spring Across Bridge (Landscape Structures® PlayBooster® 136156A).....	4,095.35	247.12
11 68	13 00-0877	EA	90 Degree, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120211A).....	5,210.26	274.57
11 68	13 00-0878	EA	C Or S, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120689A).....	11,286.76	549.15
11 68	13 00-0879	EA	16"-32" Deck, Pod Bridge, Direct Bury (Landscape Structures® PlayBooster® 127234A).....	6,183.64	329.49
11 68	13 00-0880	EA	42" Module, Arch Bridge, Permalene Barrier, Bridge Plank (Landscape Structures® PlayBooster® 114665A).....	2,456.13	54.91
11 68	13 00-0881	EA	42" Module, Arch Bridge, SteelX, Bridge Plank (Landscape Structures® PlayBooster® 139383A).....	2,620.02	54.91
11 68	13 00-0882	EA	123" Module, Arch Bridge With Guardrail, Max. 40" Decks (Landscape Structures® PlayBooster® 143677A).....	4,778.54	137.29
11 68	13 00-0883	EA	123" Module, Arch Bridge With Barrier, Max. 72" Decks (Landscape Structures® PlayBooster® 143677B).....	6,159.85	137.29
11 68	13 00-0884	EA	42" Module, Belt Bridge, Permalene Barrier (Landscape Structures® PlayBooster® 114373A).....	2,501.90	82.37
11 68	13 00-0885	EA	84" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120310A).....	3,776.44	219.66
11 68	13 00-0886	EA	123" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120624A).....	4,369.54	219.66
11 68	13 00-0887	EA	Bridge/Ramp Transition Bracket, Brown Only (Landscape Structures® PlayBooster® 111345A).....	373.54	27.46
11 68	13 00-0888	EA	Ramp Exit/Wall Mount Plate, Surface Mount, Brown Only (Landscape Structures® PlayBooster® 111346A).....	558.71	82.37
11 68	13 00-0889	EA	Ramp Exit Plate, Direct Bury, Brown Only (Landscape Structures® PlayBooster® 111346B).....	683.57	82.37
11 68	13 00-0890	EA	Ramp Berm Exit Plate, Brown Only (Landscape Structures® PlayBooster® 120325A).....	543.10	82.37
11 68	13 00-0891	EA	84" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143194A).....	4,082.92	164.74
11 68	13 00-0892	EA	123" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143195A).....	5,174.43	192.20
11 68	13 00-0893	EA	84" Module, Clatterbridge, Brown Planks Only, With Barrier For 24"-72" Decks (Landscape Structures® PlayBooster® 147424A).....	5,870.04	164.74
11 68	13 00-0894	EA	123" Module, Clatterbridge, Brown Planks Only, With Barrier For 24"-72" Decks (Landscape Structures® PlayBooster® 147425A).....	7,181.11	164.74
11 68	13 00-0895	EA	84" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 120873A).....	3,543.76	384.40
11 68	13 00-0896	EA	123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 121416A).....	4,915.13	439.32
11 68	13 00-0897	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 136157A).....	4,915.13	439.32
11 68	13 00-0898	EA	16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Barriers (Landscape Structures® PlayBooster® 152443A).....	3,665.75	54.91
11 68	13 00-0899	EA	16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Guardrails (Landscape Structures® PlayBooster® 152444A).....	2,393.70	54.91
11 68	13 00-0900	EA	Wire Crawl Tunnel (Landscape Structures® PlayBooster® 119641A).....	2,747.38	192.20
11 68	13 00-0901	EA	64" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204B).....	3,047.12	109.83
11 68	13 00-0902	EA	90 Degree Curved, 8" - 72" Deck, Crawl Tunnel (Landscape Structures® PlayBooster® 142892A).....	3,616.81	109.83
11 68	13 00-0903	EA	32" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204A).....	2,329.15	109.83
11 68	13 00-0904	EA	C-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088A).....	5,945.95	219.66
11 68	13 00-0905	EA	S-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088B).....	5,945.95	219.66
11 68	13 00-0906	EA	C-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089A).....	5,945.95	219.66
11 68	13 00-0907	EA	S-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089B).....	5,945.95	219.66
11 68	13 00-0908	EA	24" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 129042A).....	3,800.92	192.20
11 68	13 00-0909	EA	8" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 119930A).....	3,363.90	192.20
11 68	13 00-0910	EA	16" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 122589A).....	3,473.16	192.20
11 68	13 00-0911	EA	Math Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115232A).....	1,862.50	73.22
11 68	13 00-0912	EA	Spelling Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115233A).....	1,768.85	73.22
11 68	13 00-0913	EA	Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 117146A).....	2,089.34	54.91
11 68	13 00-0914	EA	Hourglass Panel, Enclosure (Landscape Structures® PlayBooster® 123319A).....	1,613.30	54.91
11 68	13 00-0915	EA	Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayBooster® 127681A).....	1,550.34	73.22
11 68	13 00-0916	EA	Slant Window Panel, Enclosure (Landscape Structures® PlayBooster® 115222A).....	1,433.28	73.22
11 68	13 00-0917	EA	Bubble Panel, Enclosure (Landscape Structures® PlayBooster® 115223A).....	949.96	54.91
11 68	13 00-0918	EA	Puppet Panel, Enclosure (Landscape Structures® PlayBooster® 115225A).....	700.23	54.91
11 68	13 00-0919	EA	Zoo Panel, Enclosure (Landscape Structures® PlayBooster® 115227A).....	708.04	54.91
11 68	13 00-0920	EA	Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115236A).....	1,363.57	54.91
11 68	13 00-0921	EA	Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 127678A).....	1,105.51	73.22
11 68	13 00-0922	EA	Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115229A).....	848.51	54.91
11 68	13 00-0923	EA	Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115230A).....	848.51	54.91
11 68	13 00-0924	EA	Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115234A).....	1,293.34	54.91
11 68	13 00-0925	EA	Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 119514A).....	1,238.71	54.91
11 68	13 00-0926	EA	Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123483A).....	1,465.02	54.91
11 68	13 00-0927	EA	Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123844A).....	1,745.97	54.91
11 68	13 00-0928	EA	Chimes Panel, Enclosure (Landscape Structures® PlayBooster® 115243A).....	1,613.30	54.91
11 68	13 00-0929	EA	Puppet Panel With Window Above Deck, Enclosure (Landscape Structures® PlayBooster® 115226A).....	864.12	54.91
11 68	13 00-0930	EA	Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240A).....	1,448.36	82.37
11 68	13 00-0931	EA	Balcony Deck, With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240B).....	1,666.87	82.37
11 68	13 00-0932	EA	Driver Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139382A).....	1,051.41	54.91

<b>11</b>	<b>Equipment</b>
<b>11 60</b>	<b>Entertainment and Recreation Equipment</b>
<b>11 68</b>	<b>Play Field Equipment and Structures</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-0933	EA	Driver Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139382B).....	1,215.30	54.91
11 68	13 00-0934	EA	Driver Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115228A).....	973.37	54.91
11 68	13 00-0935	EA	Storefront Panel, SteelX, Ground-Level Panel (Landscape Structures® PlayBooster® 139378A).....	817.29	54.91
11 68	13 00-0936	EA	Hole Panel (SteelX®), Ground-Level Panel (Landscape Structures® PlayBooster® 139381A).....	778.27	54.91
11 68	13 00-0937	EA	Slant Entrance Panel, 24" Diameter, Ground-Level Panel (Landscape Structures® PlayBooster® 115242A).....	1,338.57	100.68
11 68	13 00-0938	EA	Sand And Water Panel, Ground-Level Panel, Tan Dish Only (Landscape Structures® PlayBooster® 115257A).....	1,799.54	82.37
11 68	13 00-0939	EA	Table Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 130565A).....	1,222.57	73.22
11 68	13 00-0940	EA	Hole Panel (Permalene®), Ground-Level Panel (Landscape Structures® PlayBooster® 115253A).....	700.23	54.91
11 68	13 00-0941	EA	Storefront Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 115254A).....	723.64	54.91
11 68	13 00-0942	EA	2 Panels, Handhold Panel (Landscape Structures® PlayBooster® 127953A).....	350.13	27.46
11 68	13 00-0943	EA	1 Panel, Handhold Panel (Landscape Structures® PlayBooster® 127953B).....	175.84	18.31
11 68	13 00-0944	EA	House Panel (SteelX®) Above Deck (Landscape Structures® PlayBooster® 139380A).....	919.28	45.77
11 68	13 00-0945	EA	House Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139380B).....	1,098.24	54.91
11 68	13 00-0946	EA	House Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115235A).....	793.88	54.91
11 68	13 00-0947	EA	Periscope Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139379A).....	2,003.50	54.91
11 68	13 00-0948	EA	Periscope Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 117957A).....	1,745.97	54.91
11 68	13 00-0949	EA	Periscope Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139379B).....	2,182.99	54.91
11 68	13 00-0950	EA	Pipe Barrier Above Deck, Without Wheel (Landscape Structures® PlayBooster® 116244A).....	723.64	54.91
11 68	13 00-0951	EA	Pipe Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680A).....	777.74	73.22
11 68	13 00-0952	EA	Pipe Barrier Above Deck, With Wheel (Landscape Structures® PlayBooster® 116244B).....	926.55	54.91
11 68	13 00-0953	EA	Pipe Barrier, With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680B).....	996.25	73.22
11 68	13 00-0954	EA	Pipe Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921A).....	770.47	54.91
11 68	13 00-0955	EA	Pipe Barrier, With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921B).....	988.98	54.91
11 68	13 00-0956	EA	Pipe Guardrail (Landscape Structures® PlayBooster® 116245A).....	622.19	54.91
11 68	13 00-0957	EA	Pipe Guardrail, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117681A).....	793.35	73.22
11 68	13 00-0958	EA	Wheelchair Accessible Navigator Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127439A).....	755.93	27.46
11 68	13 00-0959	EA	Wheelchair Accessible Trail Tracker Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127440A).....	541.71	27.46
11 68	13 00-0960	EA	Wheelchair Accessible Image Reach Panel, 75 Play Blocks (Landscape Structures® PlayBooster® 129043A).....	990.05	27.46
11 68	13 00-0961	EA	Wheelchair Accessible Periscope Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135729A).....	1,676.26	45.77
11 68	13 00-0962	EA	Wheelchair Accessible Match 3 Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135730A).....	903.67	45.77
11 68	13 00-0963	EA	Wheelchair Accessible Chimes Reach Panel (Landscape Structures® PlayBooster® 135731A).....	1,379.71	45.77
11 68	13 00-0964	EA	Recycled Poly Wall (Landscape Structures® PlayBooster® 111267A).....	1,035.80	54.91
11 68	13 00-0965	EA	Recycled Poly Wall, With Wheel (Landscape Structures® PlayBooster® 111267B).....	1,262.12	54.91
11 68	13 00-0966	EA	Tic-Tac-Toe Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139377A).....	2,541.98	54.91
11 68	13 00-0967	EA	Tic-Tac-Toe Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139377B).....	2,736.54	73.22
11 68	13 00-0968	EA	Tic-Tac-Toe Panel, Above Deck, Tan Discs Only (Landscape Structures® PlayBooster® 115231A).....	1,582.08	54.91
11 68	13 00-0969	EA	Wire Barrier (Landscape Structures® PlayBooster® 120314A).....	808.96	73.22
11 68	13 00-0970	EA	Wire Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315A).....	980.64	73.22
11 68	13 00-0971	EA	Wire Barrier With Wheel (Landscape Structures® PlayBooster® 120314B).....	1,035.27	73.22
11 68	13 00-0972	EA	Wire Barrier With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315B).....	1,206.96	73.22
11 68	13 00-0973	EA	Wire Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921C).....	864.12	54.91
11 68	13 00-0974	EA	Wire Barrier With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921D).....	1,090.43	54.91
11 68	13 00-0975	EA	Loop Seats (Landscape Structures® PlayBooster® 118089A).....	545.23	27.46
11 68	13 00-0976	EA	Grab Bar, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120901A).....	210.18	18.31
11 68	13 00-0977	EA	Handhold/Leg Lift, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120902A).....	233.59	18.31
11 68	13 00-0978	EA	Handloop Assembly (Landscape Structures® PlayBooster® 111275A).....	302.76	45.77
11 68	13 00-0979	EA	Rail Assembly (Landscape Structures® PlayBooster® 111276A).....	294.96	45.77
11 68	13 00-0980	EA	Log Roll, (1) Steel Post, Tan Log Only (Landscape Structures® PlayBooster® 111356B).....	1,572.69	100.68
11 68	13 00-0981	EA	Chinning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357C).....	675.77	82.37
11 68	13 00-0982	EA	Turning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357D).....	628.94	82.37
11 68	13 00-0983	EA	Parallel Bars, Without Posts (Landscape Structures® PlayBooster® 111361A).....	809.49	54.91
11 68	13 00-0984	EA	Orbiter Spinner, (Requires Steel Post, Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 153590A).....	2,166.33	82.37
11 68	13 00-0985	EA	48" Deck, Talk Tubes For PlayOdyssey Pod, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079A).....	763.74	27.46
11 68	13 00-0986	EA	72" Deck, Talk Tubes For PlayOdyssey Pod, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079B).....	810.56	27.46
11 68	13 00-0987	EA	Ground Level, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363A).....	576.44	27.46
11 68	13 00-0988	EA	16" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363B).....	584.25	27.46
11 68	13 00-0989	EA	24" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363C).....	592.05	27.46
11 68	13 00-0990	EA	32" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363D).....	599.85	27.46
11 68	13 00-0991	EA	40" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363E).....	607.66	27.46
11 68	13 00-0992	EA	48" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363F).....	623.27	27.46
11 68	13 00-0993	EA	56" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363G).....	631.07	27.46
11 68	13 00-0994	EA	64" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363H).....	646.68	27.46
11 68	13 00-0995	EA	72" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363I).....	654.48	27.46
11 68	13 00-0996	EA	Arch Roof, (Excludes Arches) (Landscape Structures® PlayBooster® 111256A).....	904.21	27.46
11 68	13 00-0997	EA	Recycled 2x4 Roof (Landscape Structures® PlayBooster® 111260A).....	2,746.31	219.66
11 68	13 00-0998	EA	Recycled Peak Roof (Landscape Structures® PlayBooster® 111408A).....	3,862.28	219.66
11 68	13 00-0999	EA	Hex Shingle Roof (Landscape Structures® PlayBooster® 130567A).....	3,169.85	164.74
11 68	13 00-1000	EA	Square SteelX Roof (Landscape Structures® PlayBooster® 139375A).....	3,380.56	164.74
11 68	13 00-1001	EA	Hex SteelX Roof (Landscape Structures® PlayBooster® 139376A).....	5,268.08	192.20
11 68	13 00-1002	EA	Flag Pole With Permalene Flag (For SteelX Hex Roof Or SteelX Square Roof Only) (Landscape Structures® PlayBooster® 139464A).....	327.24	18.31
11 68	13 00-1003	EA	Full Sail, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 136488A).....	13,046.21	658.98
11 68	13 00-1004	EA	Single Post Shade, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 154884A).....	4,302.18	549.15



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment and Structures</b>	<b>11 68</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1005 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980A).....	22,335.83	988.46
11 68 13 00-1006 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980B).....	17,442.73	988.46
11 68 13 00-1007 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980C).....	16,498.44	988.46
11 68 13 00-1008 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980D).....	22,468.50	988.46
11 68 13 00-1009 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980E).....	17,575.39	988.46
11 68 13 00-1010 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980F).....	16,638.91	988.46
11 68 13 00-1011 EA Square Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111228A).....	1,145.06	54.91
11 68 13 00-1012 EA Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 111229A).....	1,098.24	54.91
11 68 13 00-1013 EA Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayBooster® 111230A).....	1,067.02	54.91
11 68 13 00-1014 EA Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111231A).....	865.19	27.46
11 68 13 00-1015 EA Hexagon Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111232A).....	3,233.35	137.29
11 68 13 00-1016 EA Triangular Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 119646A).....	856.84	45.77
11 68 13 00-1017 EA 90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 122197A).....	919.82	27.46
11 68 13 00-1018 EA Transfer Step, Brown Only (Landscape Structures® PlayBooster® 112471A).....	645.60	54.91
11 68 13 00-1019 EA 24" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525A).....	521.27	45.77
11 68 13 00-1020 EA 32" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525B).....	646.14	45.77
11 68 13 00-1021 EA To 32" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911A).....	2,808.74	219.66
11 68 13 00-1022 EA To 40" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911B).....	3,183.33	219.66
11 68 13 00-1023 EA To 48" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911C).....	3,339.41	219.66
11 68 13 00-1024 EA To 32" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912A).....	3,105.29	219.66
11 68 13 00-1025 EA To 40" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912B).....	3,472.08	219.66
11 68 13 00-1026 EA To 48" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912C).....	3,604.75	219.66
11 68 13 00-1027 EA Arch For 72" Deck (Landscape Structures® PlayBooster® 111406A).....	1,644.52	54.91
11 68 13 00-1028 EA Arch For 56" - 64" Deck (Landscape Structures® PlayBooster® 111406B).....	1,589.89	54.91
11 68 13 00-1029 EA Arch For 40" - 48" Deck (Landscape Structures® PlayBooster® 111406C).....	1,527.46	54.91
11 68 13 00-1030 EA Arch For 32" Deck (Landscape Structures® PlayBooster® 111406D).....	1,511.85	54.91
11 68 13 00-1031 EA Arch/Ground Level (Landscape Structures® PlayBooster® 111406E).....	1,410.40	54.91
11 68 13 00-1032 EA 106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718J).....	544.68	45.77
11 68 13 00-1033 EA 98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718K).....	529.08	45.77
11 68 13 00-1034 EA 90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718L).....	521.27	45.77
11 68 13 00-1035 EA 82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718M).....	513.47	45.77
11 68 13 00-1036 EA 74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718N).....	505.66	45.77
11 68 13 00-1037 EA 66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718O).....	490.06	45.77
11 68 13 00-1038 EA 58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718P).....	482.25	45.77
11 68 13 00-1039 EA 50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718Q).....	474.45	45.77
11 68 13 00-1040 EA 42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718R).....	458.84	45.77
11 68 13 00-1041 EA 106"/72" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405J).....	513.47	45.77
11 68 13 00-1042 EA 98"/64" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405K).....	505.66	45.77
11 68 13 00-1043 EA 90"/56" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405L).....	490.06	45.77
11 68 13 00-1044 EA 82"/48" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405M).....	482.25	45.77
11 68 13 00-1045 EA 74"/40" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405N).....	474.45	45.77
11 68 13 00-1046 EA 66"/32" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405O).....	458.84	45.77
11 68 13 00-1047 EA 58"/24" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405P).....	451.04	45.77
11 68 13 00-1048 EA 50"/16" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405Q).....	443.23	45.77
11 68 13 00-1049 EA 42"/8" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405R).....	435.43	45.77
11 68 13 00-1050 EA 148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404M).....	404.75	27.46
11 68 13 00-1051 EA 140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404N).....	671.65	27.46
11 68 13 00-1052 EA 132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404O).....	373.54	27.46
11 68 13 00-1053 EA 124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404P).....	365.73	27.46
11 68 13 00-1054 EA 116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404Q).....	357.93	27.46
11 68 13 00-1055 EA 108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404R).....	350.13	27.46
11 68 13 00-1056 EA 100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404S).....	334.52	27.46
11 68 13 00-1057 EA 92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404T).....	311.11	27.46
11 68 13 00-1058 EA 84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404U).....	295.50	27.46
11 68 13 00-1059 EA 76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404V).....	287.69	27.46
11 68 13 00-1060 EA 156"/80" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404W).....	459.38	27.46
11 68 13 00-1061 EA 182"/96" Deck (44" Bury), Posts For Decks (Landscape Structures® PlayBooster® 111404Z).....	529.62	27.46
11 68 13 00-1062 EA 182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403K).....	467.19	27.46
11 68 13 00-1063 EA 174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403L).....	459.38	27.46
11 68 13 00-1064 EA 166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403M).....	451.58	27.46
11 68 13 00-1065 EA 158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403N).....	435.97	27.46
11 68 13 00-1066 EA 150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403O).....	428.17	27.46
11 68 13 00-1067 EA 142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403P).....	420.36	27.46
11 68 13 00-1068 EA 134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403Q).....	412.56	27.46
11 68 13 00-1069 EA 126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403R).....	404.75	27.46
11 68 13 00-1070 EA 118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403S).....	381.34	27.46
11 68 13 00-1071 EA 110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403T).....	373.54	27.46
11 68 13 00-1072 EA 204"/48" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689A).....	2,100.06	988.46
11 68 13 00-1073 EA 212"/56" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689B).....	2,107.87	988.46

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1074 EA 220"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689C).....	2,123.47	988.46
11 68 13 00-1075 EA 264"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883A).....	1,929.76	549.15
11 68 13 00-1076 EA 248"/48" - 56" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883B).....	1,882.94	549.15
11 68 13 00-1077 EA 232"/32" - 40" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883C).....	1,859.52	549.15
11 68 13 00-1078 EA 220"/16" - 24" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883D).....	1,726.86	549.15
11 68 13 00-1079 EA 200"/Ground Level - 8" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883E).....	1,695.64	549.15
11 68 13 00-1080 EA Overhead Events Access/Landing Assembly Seat 8" Deck (Landscape Structures® PlayBooster® 141887A).....	619.07	54.91
11 68 13 00-1081 EA 132" Aluminum Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208A).....	1,603.38	109.83
11 68 13 00-1082 EA Square Poly Roof, Without Logo Panels (Landscape Structures® PlayBooster® 118110B).....	1,384.87	109.83
11 68 13 00-1083 EA 84" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 120873B).....	3,345.12	164.74
11 68 13 00-1084 EA 84" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 120873C).....	3,497.62	164.74
11 68 13 00-1085 EA 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 121416B).....	4,720.29	219.66
11 68 13 00-1086 EA 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 121416C).....	4,408.56	219.66
11 68 13 00-1087 EA 106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718A).....	622.19	54.91
11 68 13 00-1088 EA 98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718B).....	598.78	54.91
11 68 13 00-1089 EA 90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718C).....	575.37	54.91
11 68 13 00-1090 EA 82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718D).....	567.56	54.91
11 68 13 00-1091 EA 74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718E).....	506.21	27.46
11 68 13 00-1092 EA 66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718F).....	490.60	27.46
11 68 13 00-1093 EA 58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718G).....	467.19	27.46
11 68 13 00-1094 EA 50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718H).....	459.38	27.46
11 68 13 00-1095 EA 42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718I).....	451.58	27.46
11 68 13 00-1096 EA Square Peak Tile Roof, Without Logo Panels (Landscape Structures® PlayBooster® 129816B).....	1,540.95	109.83
11 68 13 00-1097 EA 32" Decks, Spring Across Bridge With 4 TenderTuff-coated Handloops (Landscape Structures® PlayBooster® 136156B).....	5,033.90	219.66
11 68 13 00-1098 EA S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 136157B).....	4,720.29	219.66
11 68 13 00-1099 EA S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 136157C).....	4,873.45	219.66
11 68 13 00-1100 EA Hexagon Tenderdeck, With Extension, Brown Only (Landscape Structures® PlayBooster® 154752A).....	5,040.69	219.66
11 68 13 00-1101 EA The Pinnacle Natural Climber (Landscape Structures® PlayBooster® 156066A).....	23,487.97	658.98
11 68 13 00-1102 EA The Pointe Natural Climber (Landscape Structures® PlayBooster® 156068A).....	13,273.22	439.32
11 68 13 00-1103 EA Natural Elements Climber Handholds, Extension Deck And Kick Panel Set, One Set Required Per Associated Deck (Landscape Structures® PlayBooster® 156070A).....	1,168.47	54.91
11 68 13 00-1104 EA Bridge With Guardrails And Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230A).....	4,160.96	164.74
11 68 13 00-1105 EA Bridge With Guardrails, Without Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230B).....	3,739.55	164.74
11 68 13 00-1106 EA Bridge With Barriers, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156231A).....	4,861.19	219.66
11 68 13 00-1107 EA Ramp With Guardrails And Curbs, 3-Handrails Per Side (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232A).....	4,681.70	219.66
11 68 13 00-1108 EA Ramp With Guardrails, Without Curbs, 3-Handrails Per Side, (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232B).....	4,176.57	164.74
11 68 13 00-1109 EA Ramp With Guardrails And Curbs, 2-Handrails Per Side (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232C).....	3,973.67	164.74
11 68 13 00-1110 EA Ramp With Guardrails, Without Curbs, 2-Handrails Per Side, (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232D).....	3,552.25	164.74
11 68 13 00-1111 EA Ramp With Barriers, Ramp Plank Brown Only (Landscape Structures® PlayBooster® 156233A).....	5,743.05	219.66
11 68 13 00-1112 EA 16" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156915A).....	622.19	54.91
11 68 13 00-1113 EA 24" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156916A).....	926.55	54.91
11 68 13 00-1114 EA 24" Deck, Pod Climber With One Handhold Panel, And One Handloop (Landscape Structures® PlayBooster® 156916B).....	1,028.00	54.91
11 68 13 00-1115 EA 32"-40" Deck, Pod Climber With Two Handhold Panels (Landscape Structures® PlayBooster® 157427A).....	1,548.75	109.83
11 68 13 00-1116 EA 32"-40" Deck, Pod Climber With Two Handhold Panels, And One Handloop (Landscape Structures® PlayBooster® 157427B).....	1,658.01	109.83
11 68 13 00-1117 EA 32"-40" Deck, Pod Climber With Two Handhold Panels, And One Handrail (Landscape Structures® PlayBooster® 157427C).....	1,736.05	109.83
11 68 13 00-1118 EA 32"-40" Deck, Pod Climber With Two Handhold Panels, One Handloop And One Handrail (Landscape Structures® PlayBooster® 157427D).....	1,821.89	109.83
11 68 13 00-1119 EA Starburst Climber, 64" And 72" Decks, (Direct Bury Only) (Landscape Structures® PlayBooster® 158425A).....	2,615.77	164.74
11 68 13 00-1120 EA Ring-a-Bell Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 159459A).....	1,658.01	109.83
11 68 13 00-1121 EA Ring-a-Bell™ Panel For Learning Wall (Landscape Structures® PlayBooster® 159460A).....	1,501.93	109.83
11 68 13 00-1122 EA Stationary Cypher, Pedal Assembly, With Grab Bar, Without Post (Landscape Structures® PlayBooster® 160054A).....	1,238.71	54.91
11 68 13 00-1123 EA Stationary Cypher, Handle Assembly, Without Post (Landscape Structures® PlayBooster® 160054B).....	965.57	54.91
11 68 13 00-1124 EA Stationary Cypher, Pedals And Handles, Without Post (Landscape Structures® PlayBooster® 160054C).....	1,821.89	109.83
11 68 13 00-1125 EA Stationary Cypher, Handle Assembly, Accessible, Without Post (Landscape Structures® PlayBooster® 160054D).....	965.57	54.91
11 68 13 00-1126 EA (1) Aluminum Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251A).....	2,493.03	109.83
11 68 13 00-1127 EA (1) Steel Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251B).....	2,469.62	109.83
11 68 13 00-1128 EA The Peak Natural Climber, 40" Deck (Landscape Structures® PlayBooster® 160420A).....	7,613.89	274.57
11 68 13 00-1129 EA The Peak Natural Climber Connector, Connects Between 32" Deck And 40" Deck (Landscape Structures® PlayBooster® 160421A).....	8,011.89	274.57
11 68 13 00-1130 EA The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayBooster® 160422A).....	4,051.71	164.74



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment and Structures</b>	<b>11 68</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1131 EA 64" - 72" Decks, Escalator Climber With Single Barrier With Infill Permalene Panel (Landscape Structures® PlayBooster® 160693A).....	4,759.74	219.66
11 68 13 00-1132 EA Single Barrier Handhold Panel With Infill, Permalene, Panel Only (Landscape Structures® PlayBooster® 160694A).....	708.04	54.91
11 68 13 00-1133 EA Single Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160810A).....	4,106.33	164.74
11 68 13 00-1134 EA Double Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160811A).....	8,113.34	274.57
11 68 13 00-1135 EA RingTangle Climber, 24" - 48" Decks (Landscape Structures® PlayBooster® 164078A).....	2,615.77	164.74
11 68 13 00-1136 EA Bongo Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 164092A).....	1,113.84	54.91
11 68 13 00-1137 EA Bongo Panel For Learning Wall (Landscape Structures® PlayBooster® 164093A).....	1,004.59	54.91
11 68 13 00-1138 EA Wheelchair Accessible Bongo Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164094A).....	1,012.39	54.91
11 68 13 00-1139 EA Rock-n-Ring Panel, Ground Level Panel (2 Color Permalene) (Landscape Structures® PlayBooster® 164145A).....	2,258.91	109.83
11 68 13 00-1140 EA Rock-n-Ring™ Panel For Learning Wall (Landscape Structures® PlayBooster® 164146A).....	1,798.48	109.83
11 68 13 00-1141 EA Bongo Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164147A).....	942.16	54.91
11 68 13 00-1142 EA Wheelchair Accessible Ring-a-Bell Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164148A).....	1,098.24	54.91
11 68 13 00-1143 EA Ring-a-Bell™ Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164149A).....	1,028.00	54.91
<b>11 68 13 00-1144 Playground Equipment (Landscape Structures® Evos™)</b> <small>(11 68 13 00-0122)</small>		
11 68 13 00-1145 EA Standard Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158650A).....	856.31	54.91
11 68 13 00-1146 EA Customized Name On Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158651A).....	1,004.59	54.91
11 68 13 00-1147 EA Slalom Glider (Direct Bury Only) (Landscape Structures® Evos™ 156456A).....	3,841.00	164.74
11 68 13 00-1148 EA Hang Glider (Direct Bury Only) (Landscape Structures® Evos™ 156465A).....	2,959.15	164.74
11 68 13 00-1149 EA Helix Net Climber (Direct Bury Only) (Landscape Structures® Evos™ 156449A).....	6,970.93	155.59
11 68 13 00-1150 EA Crescent Climber (Direct Bury Only) (Landscape Structures® Evos™ 156461A).....	5,384.06	219.66
11 68 13 00-1151 EA RingTangle Climber With Two E-Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156462A).....	3,600.14	137.29
11 68 13 00-1152 EA Web Link Climber (Direct Bury Only) (Landscape Structures® Evos™ 156912A).....	7,438.64	164.74
11 68 13 00-1153 EA Wobble Pod Bouncer (Direct Bury Only) (Landscape Structures® Evos™ 156452A).....	1,751.65	109.83
11 68 13 00-1154 EA Gyro Twister Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156459A).....	2,283.39	82.37
11 68 13 00-1155 EA E-Pod Step (Landscape Structures® Evos™ 156454A).....	358.45	18.31
11 68 13 00-1156 EA Cyclor With E-Pod Step (Direct Bury Only) (Landscape Structures® Evos™ 156467A).....	1,613.30	54.91
11 68 13 00-1157 EA 8" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959A).....	1,169.00	45.77
11 68 13 00-1158 EA 16" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959B).....	1,176.81	45.77
11 68 13 00-1159 EA 24" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959C).....	1,184.61	45.77
11 68 13 00-1160 EA Swiggle Stix Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156450A).....	6,686.28	247.12
11 68 13 00-1161 EA PodStomper Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156464A).....	6,900.17	164.74
11 68 13 00-1162 EA ArcOver Ladder With Two E-Pod Steps, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 156457A).....	3,015.90	109.83
11 68 13 00-1163 EA Bow Ladder With Four E-Pod Steps, Overhead Events (Landscape Structures® Evos™ 156463A).....	3,244.34	54.91
11 68 13 00-1164 EA 2-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 156436A).....	28,326.45	658.98
11 68 13 00-1165 EA 3-Arch Mainstructure, Small (Landscape Structures® Evos™ 157106A).....	31,919.15	988.46
11 68 13 00-1166 EA Additional Small Arch For Mainstructure, #3 Only (Landscape Structures® Evos™ 156545A).....	3,600.51	329.49
11 68 13 00-1167 EA 16" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156A).....	1,634.59	109.83
11 68 13 00-1168 EA 24" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156B).....	1,650.20	109.83
11 68 13 00-1169 EA Ring-a-Bell Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164150A).....	1,098.24	54.91
11 68 13 00-1170 EA Bongo Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164095A).....	1,012.39	54.91
11 68 13 00-1171 EA Noodle Post, 1 Post Only (Direct Bury Only) (Landscape Structures® Evos™ 161774A).....	864.12	54.91
11 68 13 00-1172 EA Periscope Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161775A).....	1,790.67	109.83
11 68 13 00-1173 EA Match 3 Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161776A).....	926.55	54.91
11 68 13 00-1174 EA Chimes Reach Panel (Landscape Structures® Evos™ 161777A).....	1,494.12	109.83
11 68 13 00-1175 EA Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161778A).....	583.17	54.91
11 68 13 00-1176 EA Navigator Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161779A).....	801.68	54.91
11 68 13 00-1177 EA Image Reach Panel, 75 Play Blocks (Landscape Structures® Evos™ 161780A).....	1,035.80	54.91
11 68 13 00-1178 EA Chatter Noodle Talk Tube Kit, Two Noodle Posts And Tubing (Direct Bury Only) (Landscape Structures® Evos™ 156453A).....	2,422.80	109.83
11 68 13 00-1179 EA Blender Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156460A).....	2,959.15	164.74
11 68 13 00-1180 EA BalanceWinder Climber (Direct Bury Only) (Landscape Structures® Evos™ 160252A).....	5,251.39	219.66
11 68 13 00-1181 EA Overhead Explorer Parallel Bar, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160253A).....	2,157.46	109.83
11 68 13 00-1182 EA Overhead Trekker Ladder, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160254A).....	2,352.56	109.83
11 68 13 00-1183 EA 3-Arch Mainstructure, Large With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160356A).....	32,371.78	988.46
11 68 13 00-1184 EA 4-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160357A).....	35,415.34	988.46
11 68 13 00-1185 EA Additional Large Arch For Mainstructure, #4 Only (Landscape Structures® Evos™ 160358A).....	3,762.96	164.74
11 68 13 00-1186 EA Additional Arches For Mainstructure, #3 And #4 Only (Landscape Structures® Evos™ 160359A).....	6,997.37	274.57
11 68 13 00-1187 EA Power Lifter Chinning Bar (Landscape Structures® Evos™ 160208A).....	1,673.61	109.83
11 68 13 00-1188 EA Accessible Power Lifter Chinning Bar (Landscape Structures® Evos™ 160209A).....	2,102.83	109.83
11 68 13 00-1189 EA TwirlWind Turning Bar (Landscape Structures® Evos™ 160210A).....	2,102.83	109.83
<b>11 68 13 00-1190 Playground Equipment (Landscape Structures® Weevos™)</b> <small>(11 68 13 00-0122)</small>		
11 68 13 00-1191 EA Safety Sign, Weevos Welcome Sign, Ages 2 to 5, Direct Bury (Landscape Structures® Weevos™ 164529A).....	856.31	54.91
11 68 13 00-1192 EA ChitterChatter Noodle™ Talk Tube Kit (Landscape Structures® Weevos™ 164177A).....	2,196.48	109.83
<b>11 68 13 00-1193 Playground Equipment (Landscape Structures® Parts)</b> <small>(11 68 13 00-0122)</small>		
11 68 13 00-1194 EA 52-9/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (8") (Landscape Structures® 160110A).....	91.03	27.46

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1195	EA		66-15/16" Long, TenderTuff-Coated Chain, Brown, Front Chain for Molded Bucket Seat (8) (Landscape Structures® 160112A).....	95.72	27.46
11 68 13 00-1196	EA		Pivot Block Swing Hardware With Bearing For Molded Bucket Seat (Landscape Structures® 160307A).....	89.47	27.46
11 68 13 00-1197	EA		Play It Safe Label, 2-5 Years (Landscape Structures® 156845A).....	10.71	5.49
11 68 13 00-1198	EA		Play It Safe Label, 2-12 Years (Landscape Structures® 156846A).....	10.71	5.49
11 68 13 00-1199	EA		Play It Safe Label, 5-12 Years (Landscape Structures® 156847A).....	10.71	5.49
11 68 13 00-1200	EA		Play It Safe Label, 8-12 Years (Landscape Structures® 156848A).....	10.71	5.49
11 68 13 00-1201	EA		D-Ring with Stainless Steel Bolt Link, Brown TenderTuff-coated Only (Landscape Structures® 130923A).....	140.98	27.46
11 68 13 00-1202	EA		(2) Stainless Steel Double Clevis Swing Hardware With Bolts (Landscape Structures® 132634A).....	72.94	10.98
11 68 13 00-1203	EA		(2) Stainless Steel Bolt Links Swing Hardware With Bolts For Use With TenderTuff-Coated Chain (Landscape Structures® 132635A).....	44.84	10.98
11 68 13 00-1204	EA		(2) Stainless Steel Bolt Links Swing Hardware With Bolts And Chain Spacers For Use With Uncoated Chain (Landscape Structures® 132672A).....	46.40	10.98
11 68 13 00-1205	EA		2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136065A).....	93.12	13.72
11 68 13 00-1206	EA		3-1/2" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136066A).....	93.12	13.72
11 68 13 00-1207	EA		TenderTuff Repair Kit (Landscape Structures® 138717A).....	10.15	
11 68 13 00-1208	EA		Anti-Wrap, 2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 140739A).....	122.77	13.72
11 68 13 00-1209	EA		(2) Aluminum Clevis Swing Hardware For Anti-Wrap Hanger With Bolts (Landscape Structures® 141267A).....	77.62	10.98
11 68 13 00-1210	EA		65" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (8) (Landscape Structures® 141730A).....	94.15	27.46
11 68 13 00-1211	EA		43-3/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (6) Toddler Swing (Landscape Structures® 141739A).....	85.57	27.46
11 68 13 00-1212	EA		87-13/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (10) (Landscape Structures® 141766A).....	116.01	27.46
11 68 13 00-1213	EA		29-7/8" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (6) Toddler Swing (Landscape Structures® 152016A).....	81.67	27.46
11 68 13 00-1214	EA		49-13/16" Long, TenderTuff-Coated Chain, Brown, Tire Swing, Half-Bucket Seat (7) 2" Arch Swing (Landscape Structures® 152048A).....	89.47	27.46
11 68 13 00-1215	EA		67-7/8" Long, TenderTuff-Coated Chain, Brown, Belt Seat (8), Flat Seat (8) (Landscape Structures® 152050A).....	97.28	27.46
11 68 13 00-1216	EA		76-7/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (10) (Landscape Structures® 152051A).....	105.08	27.46
11 68 13 00-1217	EA		90-11/16" Long, TenderTuff-Coated Chain, Brown, Belt Seat (10), Flat Seat (10), 16" Deck Ascending Chain (Landscape Structures® 152052A).....	120.69	27.46
11 68 13 00-1218	EA		37-1/2" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (7) 2" Arch Swing (Landscape Structures® 152053A).....	84.01	27.46
11 68 13 00-1219	EA		121-1/16" Long, TenderTuff-Coated Chain, Brown, Rear Chain for Molded Bucket Seat (8) (Landscape Structures® 152067A).....	139.42	27.46
11 68 13 00-1220	EA		Tire Swing Hanger, Stainless Steel, Excludes Chain, 1997 And Later (Landscape Structures® 121609A).....	692.43	54.91
11 68 13 00-1221	EA		Twin Rim Basketball Goal And Chain Net (Landscape Structures® 100080A).....	272.09	27.46
11 68 13 00-1222	EA		Twin Rim Basketball Goal And Nylon Net (Landscape Structures® 100081A).....	264.28	27.46
11 68 13 00-1223	EA		Nylon Basketball Net (Landscape Structures® 100082A).....	44.73	13.72
11 68 13 00-1224	EA		Chain Basketball Net (Landscape Structures® 100083A).....	55.66	13.72
11 68 13 00-1225	EA		Basketball Frame Set Only, Moveable (Landscape Structures® 100099A).....	1,238.71	54.91
11 68 13 00-1226	EA		Basketball Frame Set Only, Direct Bury (Landscape Structures® 100100A).....	1,028.00	54.91
11 68 13 00-1227	EA		Warning Label (Landscape Structures® 115176A).....	0.16	
11 68 13 00-1228	EA		PS Spare Parts Kit (Landscape Structures® 107040A).....	53.07	
11 68 13 00-1229	EA		PB Spare Parts Kit (Landscape Structures® 107043A).....	115.50	
11 68 13 00-1230	EA		Tire With Ring And Hardware, Excludes Chain (Landscape Structures® 107329A).....	676.82	54.91
11 68 13 00-1231	EA		5" Swing Hanger Clamp Assembly, Complete, Excludes Chain (Landscape Structures® 111418A).....	140.98	27.46
11 68 13 00-1232	EA		Tire Swing Hanger, Stainless Steel, Excludes Chain, 1996 And Prior (Landscape Structures® 116997A).....	801.68	54.91
<b>11 68 13 00-1233</b>			<b>Playground Equipment (Landscape Structures® Site Furniture) <small>(11 68 13 00-0122)</small></b>		
11 68 13 00-1234	EA		60" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640A).....	1,338.57	100.68
11 68 13 00-1235	EA		60" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640B).....	691.37	82.37
11 68 13 00-1236	EA		60" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640C).....	1,174.69	100.68
11 68 13 00-1237	EA		60" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640D).....	675.77	82.37
11 68 13 00-1238	EA		96" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640E).....	1,923.87	100.68
11 68 13 00-1239	EA		96" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640F).....	902.08	82.37
11 68 13 00-1240	EA		96" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640G).....	1,674.15	100.68
11 68 13 00-1241	EA		96" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640H).....	878.67	82.37
11 68 13 00-1242	EA		Optional Brown Dome, Litter Receptacle (Landscape Structures® 100095A).....	324.59	82.37
11 68 13 00-1243	EA		32-Gallon Polyethylene Container, Litter Receptacle (Landscape Structures® 141682A).....	196.60	82.37
11 68 13 00-1244	EA		Optional Cover for TenderTuff-Coated Litter Receptacle (Landscape Structures® 141686A).....	242.39	73.22
11 68 13 00-1245	EA		Litter Receptacle With Recycled Polyethylene Slats and Liner, (Direct Bury Only) (Landscape Structures® 100094A).....	839.65	82.37
11 68 13 00-1246	EA		Litter Receptacle With TenderTuff-Coated Panels and Liner, Direct Bury (Landscape Structures® 141685A).....	723.11	73.22
11 68 13 00-1247	EA		Litter Receptacle With TenderTuff-Coated Panels and Liner, Surface Mount (Landscape Structures® 141685B).....	723.11	73.22
11 68 13 00-1248	EA		Loop Rack, Direct Bury, Powdercoated (Landscape Structures® 100102A).....	434.90	54.91
11 68 13 00-1249	EA		Loop Rack, Direct Bury, TenderTuff-Coated (Landscape Structures® 100102B).....	645.60	54.91
11 68 13 00-1250	EA		60" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139A).....	2,119.87	274.57
11 68 13 00-1251	EA		60" Poly Picnic Table, (1) 60" Seat (2) 14" Seats, Moveable (Landscape Structures® 113139B).....	2,041.83	274.57
11 68 13 00-1252	EA		60" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139C).....	1,932.58	274.57
11 68 13 00-1253	EA		84" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139D).....	2,642.74	274.57
11 68 13 00-1254	EA		84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Moveable (Landscape Structures® 113139E).....	2,556.90	274.57
11 68 13 00-1255	EA		84" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139F).....	2,439.84	274.57
11 68 13 00-1256	EA		60" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139G).....	2,221.32	274.57
11 68 13 00-1257	EA		60" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139H).....	2,119.87	274.57
11 68 13 00-1258	EA		60" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139I).....	2,010.62	274.57
11 68 13 00-1259	EA		84" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139J).....	2,744.19	274.57
11 68 13 00-1260	EA		84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139K).....	2,642.74	274.57
11 68 13 00-1261	EA		84" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139L).....	2,517.88	274.57
11 68 13 00-1262	EA		70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088A).....	691.37	82.37



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment and Structures</b>	<b>11 68</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1263 EA 70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088B).....	761.61	82.37
11 68 13 00-1264 EA 94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088C).....	746.00	82.37
11 68 13 00-1265 EA 94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088D).....	816.24	82.37
11 68 13 00-1266 EA 70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088E).....	1,019.14	82.37
11 68 13 00-1267 EA 70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088F).....	948.91	82.37
11 68 13 00-1268 EA 94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088G).....	1,081.57	82.37
11 68 13 00-1269 EA 94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088H).....	1,011.34	82.37
11 68 13 00-1270 EA Arm Rest, 1 Only, Fits All Benches With Back (Landscape Structures® 114767A).....	143.06	18.31
11 68 13 00-1271 EA 72", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683A).....	708.04	54.91
11 68 13 00-1272 EA 72", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683B).....	723.64	54.91
11 68 13 00-1273 EA 72", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683C).....	458.31	54.91
11 68 13 00-1274 EA 72", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683D).....	481.72	54.91
11 68 13 00-1275 EA 92", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683E).....	723.64	54.91
11 68 13 00-1276 EA 92", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683F).....	754.86	54.91
11 68 13 00-1277 EA 92", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683G).....	481.72	54.91
11 68 13 00-1278 EA 92", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683H).....	512.94	54.91
11 68 13 00-1279 EA 72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684A).....	1,653.75	219.66
11 68 13 00-1280 EA 72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684B).....	1,731.79	219.66
11 68 13 00-1281 EA 92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684C).....	1,739.59	219.66
11 68 13 00-1282 EA 92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684D).....	1,856.65	219.66
11 68 13 00-1283 EA 92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684E).....	1,700.57	219.66
11 68 13 00-1284 EA 92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684F).....	1,794.22	219.66
11 68 13 00-1285 EA Square Picnic Table With 4 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345A).....	1,590.42	45.77
11 68 13 00-1286 EA Square Picnic Table With 3 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345B).....	1,442.14	45.77
11 68 13 00-1287 EA Square Picnic Table With 2 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345C).....	1,317.28	45.77
11 68 13 00-1288 EA Kish Valley Grill, (Direct Bury Only) (Landscape Structures® 100101A).....	700.23	54.91
11 68 13 00-1289 EA Loop Rack, Surface Mount, Powdercoated (Landscape Structures® 100102C).....	598.78	54.91
11 68 13 00-1290 EA Loop Rack, Surface Mount, TenderTuff-Coated (Landscape Structures® 100102D).....	809.49	54.91

11 68 13 00-1291	<b>Playground Equipment (Little Tikes)</b> <sup>(11 68 13)</sup>		
11 68 13 00-1292 EA	Little Tykes Playcenter 5.....	14,551.06	961.71

**11 68 16 Play Structures** <sup>(11 68)</sup>

**11 68 16 00-0001 Playground Shade Structures** <sup>(11 68 16)</sup>

Note: Shade Structures, Inc. dba USA Shade & Fabric Structures, exclude custom engineering, architect fees, site survey, temporary fencing, logos, post pads, special equipment (e.g. cranes for limited site access, hydro-excavation for high soil water table), soil removal from site, core drilling for concrete slab on grade, cutting of pavers or specialty finished surfaces including removal of tiles, alternate footing configuration due to site specific geotechnical report requirements, underground utility scan, moving or re-routing of underground utilities, and hard rock subsurface conditions.

**11 68 16 00-0002 Single Ridge** <sup>(11 68 16 00-0001)</sup>

Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.

11 68 16 00-0003 EA 8' x 10' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	23,802.96
11 68 16 00-0004 EA 10' x 10' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	23,849.18
11 68 16 00-0005 EA 9' x 13' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	23,887.79
11 68 16 00-0006 EA 10' x 12' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	25,203.46
11 68 16 00-0007 EA 11' x 17' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	25,242.06
11 68 16 00-0008 EA 10' x 18' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	25,406.27
11 68 16 00-0009 EA 12' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	26,974.73
11 68 16 00-0010 EA 10' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	27,285.03
11 68 16 00-0011 EA 10' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	27,898.75
11 68 16 00-0012 EA 14' x 17' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	30,542.52
11 68 16 00-0013 EA 14' x 17' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	31,230.75
11 68 16 00-0014 EA 12' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	30,489.78
11 68 16 00-0015 EA 12' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	30,977.17
11 68 16 00-0016 EA 15' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	30,489.78
11 68 16 00-0017 EA 15' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	31,093.53
11 68 16 00-0018 EA 17' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	30,977.17
11 68 16 00-0019 EA 17' x 19' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	32,850.07
11 68 16 00-0020 EA 18' x 18' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	28,304.59
11 68 16 00-0021 EA 18' x 18' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	29,337.00
11 68 16 00-0022 EA 18' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	28,488.57
11 68 16 00-0023 EA 18' x 19' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	29,872.08
11 68 16 00-0024 EA 18' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	28,774.02
11 68 16 00-0025 EA 18' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	30,340.60
11 68 16 00-0026 EA 20' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	29,957.63

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 16 00-0027	EA	20' x 20'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	31,289.47	
11 68 16 00-0028	EA	20' x 21'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	35,581.37	
11 68 16 00-0029	EA	20' x 21'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	39,847.37	
11 68 16 00-0030	EA	20' x 29'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	36,705.34	
11 68 16 00-0031	EA	20' x 29'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	40,428.28	
11 68 16 00-0032	EA	18' x 27'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	35,581.37	
11 68 16 00-0033	EA	18' x 27'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	36,817.71	
11 68 16 00-0034	EA	16' x 29'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	35,773.32	
11 68 16 00-0035	EA	16' x 29'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	39,785.73	
11 68 16 00-0036	EA	19' x 28'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	35,581.37	
11 68 16 00-0037	EA	19' x 28'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	39,785.73	
11 68 16 00-0038	EA	20' x 23'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	35,581.37	
11 68 16 00-0039	EA	20' x 23'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	39,785.73	
11 68 16 00-0040	EA	20' x 29'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	35,581.37	
11 68 16 00-0041	EA	20' x 29'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	39,847.37	
11 68 16 00-0042	EA	20' x 25'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	35,581.37	
11 68 16 00-0043	EA	20' x 25'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	39,847.37	
11 68 16 00-0044	EA	20' x 30'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	35,581.37	
11 68 16 00-0045	EA	20' x 30'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	39,985.66	
11 68 16 00-0046	EA	21' x 29'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	48,980.21	
11 68 16 00-0047	EA	21' x 29'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	52,336.11	
11 68 16 00-0048	EA	24' x 25'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	47,770.69	
11 68 16 00-0049	EA	24' x 25'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	50,108.14	
11 68 16 00-0050	EA	23' x 28'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	48,980.21	
11 68 16 00-0051	EA	23' x 28'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	50,552.75	
11 68 16 00-0052	EA	23' x 30'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	47,770.69	
11 68 16 00-0053	EA	23' x 30'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	50,108.14	
11 68 16 00-0054	EA	25' x 25'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	48,143.71	
11 68 16 00-0055	EA	25' x 25'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	50,665.13	
11 68 16 00-0056	EA	25' x 30'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	49,486.45	
11 68 16 00-0057	EA	25' x 30'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	51,109.75	
11 68 16 00-0058	EA	26' x 27'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	51,557.27	
11 68 16 00-0059	EA	26' x 27'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	53,103.01	
11 68 16 00-0060	EA	29' x 29'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	51,595.14	
11 68 16 00-0061	EA	29' x 29'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	53,103.01	
11 68 16 00-0062	EA	30' x 30'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	51,927.02	
11 68 16 00-0063	EA	30' x 30'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	53,502.84	
11 68 16 00-0064	EA	19' x 36'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	59,818.81	
11 68 16 00-0065	EA	19' x 36'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	64,475.75	
11 68 16 00-0066	EA	18' x 33'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	59,818.81	
11 68 16 00-0067	EA	18' x 33'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	64,475.75	
11 68 16 00-0068	EA	17' x 32'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	59,818.81	
11 68 16 00-0069	EA	17' x 32'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	64,475.75	
11 68 16 00-0070	EA	20' x 40'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	59,818.81	
11 68 16 00-0071	EA	20' x 40'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	64,475.75	
11 68 16 00-0072	EA	21' x 39'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	62,233.84	
11 68 16 00-0073	EA	21' x 39'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	70,016.87	
11 68 16 00-0074	EA	24' x 37'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	62,233.84	
11 68 16 00-0075	EA	24' x 37'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	70,016.87	
11 68 16 00-0076	EA	27' x 38'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	62,233.84	
11 68 16 00-0077	EA	27' x 38'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	70,016.87	
11 68 16 00-0078	EA	24' x 40'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	62,150.27	
11 68 16 00-0079	EA	24' x 40'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	69,712.54	
11 68 16 00-0080	EA	27' x 40'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	62,423.79	
11 68 16 00-0081	EA	27' x 40'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	70,141.21	
11 68 16 00-0082	EA	30' x 40'	Single Ridge Shade Structure, 10' Opening Height, 4 Posts	60,965.74	
11 68 16 00-0083	EA	30' x 40'	Single Ridge Shade Structure, 12' Opening Height, 4 Posts	70,141.21	
<b>11 68 16 00-0084 Double Ridge</b> <small>(11 68 16 00-0001)</small>					
Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.					
11 68 16 00-0085	EA	20' x 40'	Double Ridge Shade Structure, 10' Opening Height, 6 Posts	57,984.47	
11 68 16 00-0086	EA	20' x 40'	Double Ridge Shade Structure, 12' Opening Height, 6 Posts	60,070.08	
11 68 16 00-0087	EA	20' x 60'	Double Ridge Shade Structure, 10' Opening Height, 6 Posts	83,379.69	
11 68 16 00-0088	EA	20' x 60'	Double Ridge Shade Structure, 12' Opening Height, 6 Posts	86,872.13	
11 68 16 00-0089	EA	26' x 48'	Double Ridge Shade Structure, 12' Opening Height, 6 Posts	87,525.35	
11 68 16 00-0090	EA	25' x 50'	Double Ridge Shade Structure, 10' Opening Height, 6 Posts	85,252.88	
11 68 16 00-0091	EA	25' x 50'	Double Ridge Shade Structure, 12' Opening Height, 6 Posts	87,525.35	
11 68 16 00-0092	EA	25' x 60'	Double Ridge Shade Structure, 10' Opening Height, 6 Posts	85,252.88	
11 68 16 00-0093	EA	25' x 60'	Double Ridge Shade Structure, 12' Opening Height, 6 Posts	87,525.35	
11 68 16 00-0094	EA	27' x 38'	Double Ridge Shade Structure, 10' Opening Height, 6 Posts	61,526.04	
11 68 16 00-0095	EA	27' x 38'	Double Ridge Shade Structure, 12' Opening Height, 6 Posts	67,802.80	
11 68 16 00-0096	EA	30' x 40'	Double Ridge Shade Structure, 10' Opening Height, 6 Posts	61,526.04	
11 68 16 00-0097	EA	30' x 40'	Double Ridge Shade Structure, 12' Opening Height, 6 Posts	67,802.80	
11 68 16 00-0098	EA	26' x 47'	Double Ridge Shade Structure, 10' Opening Height, 6 Posts	85,771.78	
11 68 16 00-0099	EA	26' x 47'	Double Ridge Shade Structure, 12' Opening Height, 6 Posts	88,099.71	
11 68 16 00-0100	EA	30' x 50'	Double Ridge Shade Structure, 10' Opening Height, 6 Posts	85,771.78	
11 68 16 00-0101	EA	30' x 50'	Double Ridge Shade Structure, 12' Opening Height, 6 Posts	88,099.71	
11 68 16 00-0102	EA	28' x 53'	Double Ridge Shade Structure, 10' Opening Height, 6 Posts	92,569.44	
11 68 16 00-0103	EA	28' x 53'	Double Ridge Shade Structure, 12' Opening Height, 6 Posts	95,991.39	
11 68 16 00-0104	EA	29' x 58'	Double Ridge Shade Structure, 10' Opening Height, 6 Posts	90,883.13	





<b>Equipment</b>	<b>11</b>	
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>	<b>11</b>
<b>Play Field Equipment and Structures</b>	<b>11 68</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 16 00-0105 EA 29' x 58' Double Ridge Shade Structure, 12' Opening Height, 6 Posts.....	95,991.39	
11 68 16 00-0106 EA 30' x 60' Double Ridge Shade Structure, 10' Opening Height, 6 Posts.....	90,883.13	
11 68 16 00-0107 EA 30' x 60' Double Ridge Shade Structure, 12' Opening Height, 6 Posts.....	95,991.39	
11 68 16 00-0108 EA 27' x 74' Double Ridge Shade Structure, 12' Opening Height, 6 Posts.....	133,738.39	
11 68 16 00-0109 EA 28' x 59' Double Ridge Shade Structure, 12' Opening Height, 6 Posts.....	95,991.39	
11 68 16 00-0110 EA 20' x 80' Double Ridge Shade Structure, 12' Opening Height, 6 Posts.....	137,429.29	
11 68 16 00-0111 EA 30' x 80' Double Ridge Shade Structure, 12' Opening Height, 6 Posts.....	140,373.84	
<b>11 68 16 00-0112 Interconnected Quad Lineal Ridge</b> <small>(11 68 16 00-0001)</small>		
Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0113 EA 30' x 160' Quad-Lineal Ridge Shade Structure, 12' Opening Height, 10 Posts.....	261,930.88	
<b>11 68 16 00-0114 Quad Ridge</b> <small>(11 68 16 00-0001)</small>		
Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0115 EA 36' x 36' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts .....	82,347.85	
11 68 16 00-0116 EA 34' x 39' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts .....	90,436.36	
11 68 16 00-0117 EA 34' x 39' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts .....	92,604.07	
11 68 16 00-0118 EA 40' x 40' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts .....	97,419.80	
11 68 16 00-0119 EA 40' x 40' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts .....	102,642.78	
11 68 16 00-0120 EA 36' x 54' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts .....	107,338.88	
11 68 16 00-0121 EA 36' x 54' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts .....	115,214.97	
11 68 16 00-0122 EA 38' x 55' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts .....	106,712.82	
11 68 16 00-0123 EA 38' x 55' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts .....	115,214.97	
11 68 16 00-0124 EA 40' x 50' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts .....	107,338.88	
11 68 16 00-0125 EA 40' x 50' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts .....	115,214.97	
11 68 16 00-0126 EA 40' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts .....	116,316.96	
11 68 16 00-0127 EA 40' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts .....	124,272.05	
11 68 16 00-0128 EA 50' x 50' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts .....	158,420.94	
11 68 16 00-0129 EA 50' x 50' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts .....	164,637.51	
11 68 16 00-0130 EA 50' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts .....	163,870.32	
11 68 16 00-0131 EA 50' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts .....	166,175.82	
11 68 16 00-0132 EA 56' x 59' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts .....	168,232.24	
11 68 16 00-0133 EA 56' x 59' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts .....	175,169.42	
11 68 16 00-0134 EA 60' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts .....	168,828.52	
11 68 16 00-0135 EA 60' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts .....	176,107.37	
<b>11 68 16 00-0136 Peak-Roof Triangle</b> <small>(11 68 16 00-0001)</small>		
Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0137 EA 30' Peak-Roof Triangle Shade Structure, 12' Opening Height, 3 Posts.....	45,098.19	
<b>11 68 16 00-0138 Peak-Roof Hexagon</b> <small>(11 68 16 00-0001)</small>		
Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0139 EA 38' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 6 Posts.....	79,216.44	
11 68 16 00-0140 EA 40' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 6 Posts.....	82,584.20	
11 68 16 00-0141 EA 50' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts.....	137,755.35	
11 68 16 00-0142 EA 52' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts.....	142,580.14	
11 68 16 00-0143 EA 55' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts.....	146,137.65	
11 68 16 00-0144 EA 60' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts.....	150,531.27	
<b>11 68 16 00-0145 Free-Form Tri-Sail</b> <small>(11 68 16 00-0001)</small>		
Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0146 EA 18' Single Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 3 Posts.....	31,936.96	
11 68 16 00-0147 EA 18' Double Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 4 Posts .....	42,529.20	
11 68 16 00-0148 EA 18' Triple Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 5 Posts.....	66,050.33	
11 68 16 00-0149 EA 30' Double Free-Form Tri-Sail Shade Structure, 14' Opening Height, 5 Posts .....	98,301.75	
<b>11 68 16 00-0150 Free-Form Hypar</b> <small>(11 68 16 00-0001)</small>		
Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0151 EA 20' x 20' Single 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 4 Posts.....	47,303.42	
11 68 16 00-0152 EA 20' x 40' Double 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 6 Posts .....	59,372.28	
11 68 16 00-0153 EA 30' x 30' Single 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 4 Posts.....	64,922.42	
11 68 16 00-0154 EA 30' x 60' Double 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 6 Posts .....	79,054.24	
<b>11 68 16 00-0155 Mariners</b> <small>(11 68 16 00-0001)</small>		
Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0156 EA 30' x 30' Single Mariner Shade Structure, 10' Opening Height, 4 Posts .....	57,216.54	
11 68 16 00-0157 EA 30' x 30' Single Mariner Shade Structure, 12' Opening Height, 4 Posts .....	62,950.45	
11 68 16 00-0158 EA 30' x 60' Mariner Peak Joined Shade Structure, 10' Opening Height, 6 Posts.....	83,769.16	
11 68 16 00-0159 EA 30' x 60' Mariner Peak Joined Shade Structure, 12' Opening Height, 6 Posts.....	89,221.64	
11 68 16 00-0160 EA 60' x 60' Mariner Peak Quad Shade Structure, 10' Opening Height, 9 Posts .....	128,907.97	
11 68 16 00-0161 EA 60' x 60' Mariner Peak Quad Shade Structure, 12' Opening Height, 9 Posts .....	132,576.96	

11	<b>11 Equipment</b>
	<b>11 60 Entertainment and Recreation Equipment</b>
	<b>11 68 Play Field Equipment and Structures</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 68 16 00-0162</b> <b>Single Post Pyramid</b> <small>(11 68 16 00-0001)</small> Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0163    EA    14' x 14' Single Post Pyramid Shade Structure, 10' Opening Height, 1 Post.....	19,728.54	
11 68 16 00-0164    EA    14' x 14' Single Post Pyramid Shade Structure, 12' Opening Height, 1 Post.....	20,265.39	
<b>11 68 16 00-0165</b> <b>Tri-Truss Cantilevers</b> <small>(11 68 16 00-0001)</small> Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0166    EA    20' x 30' Tri-Truss Rigid Single Wide Shade Structure, 10' Opening Height, 2 Posts.....	70,970.81	
11 68 16 00-0167    EA    20' x 30' Tri-Truss Rigid Single Wide Shade Structure, 12' Opening Height, 2 Posts.....	75,075.87	
11 68 16 00-0168    EA    30' x 40' Tri-Truss Rigid Single Wide Joined Shade Structure, 10' Opening Height, 3 Posts.....	105,945.10	
11 68 16 00-0169    EA    30' x 40' Tri-Truss Rigid Single Wide Joined Shade Structure, 12' Opening Height, 3 Posts.....	108,450.84	
<b>11 68 16 00-0170</b> <b>Full Cantilevers</b> <small>(11 68 16 00-0001)</small> Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0171    EA    20' x 30' Full Cantilever Rigid Single Shade Structure, 10' Opening Height, 2 Posts.....	63,413.18	
11 68 16 00-0172    EA    20' x 60' Full Cantilever Rigid Joined Shade Structure, 12' Opening Height, 3 Posts.....	94,965.54	
<b>11 68 16 00-0173</b> <b>Hip Roof</b> <small>(11 68 16 00-0001)</small> Note: Outdoor weatherproof fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0174    EA    20' x 30' Single Rigid Hip Roof Shade Structure, 20 LB Snowload, 10' Opening Height, 4 Posts.....	43,252.56	
11 68 16 00-0175    EA    20' x 30' Single Rigid Hip Roof Shade Structure, 20 LB Snowload, 12' Opening Height, 4 Posts.....	48,451.98	
<b>11 68 16 00-0176</b> <b>Hip Roof</b> <small>(11 68 16 00-0001)</small> Note: Outdoor weatherproof fabric structure (Specified Fabric PVC).		
11 68 16 00-0177    EA    30' x 30' Weather Protector Hip Roof Shade Structure, 10' Opening Height, 4 Posts.....	92,713.72	
11 68 16 00-0178    EA    30' x 30' Weather Protector Hip Roof Shade Structure, 12' Opening Height, 4 Posts.....	99,842.64	
11 68 16 00-0179    EA    30' x 60' Weather Protector Joined Hip Roof Shade Structure, 10' Opening Height, 6 Posts.....	174,751.11	
11 68 16 00-0180    EA    30' x 60' Weather Protector Joined Hip Roof Shade Structure, 12' Opening Height, 6 Posts.....	184,734.72	
<b>11 68 16 00-0181</b> <b>Additional Items</b> <small>(11 68 16 00-0001)</small>		
11 68 16 00-0182    EA    Concrete Cutting for Playground Shade Structure, Per Core.....	205.49	
11 68 16 00-0183    HR    Overtime Wage For Playground Shade Structure, Per Man Hour (First Shift).....	107.00	
11 68 16 00-0184    HR    Overtime Wage Or "Late Start" Shift For Playground Shade Structure, Per Man Hour (Second Shift).....	131.00	
11 68 16 00-0185    EA    Intumescent Paint Per Column.....	3,563.79	
<b>11 68 23</b> <b>Exterior Court Athletic Equipment</b> <small>(11 68)</small>		
<b>11 68 23 13</b> <b>Exterior Basketball Equipment</b> <small>(11 68 23)</small>		
<b>11 68 23 13-0001</b> <b>Basketball Components</b> <small>(11 68 23 13)</small>		
11 68 23 13-0002    EA    Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120).....	30.45	7.98
11 68 23 13-0003    EA    Chain Basketball Net (Porter Athletic 00161-000).....	56.00	7.98
11 68 23 13-0004    EA    Heavy Duty Goal Ring (Porter Athletic 00235-000).....	128.51	39.88
11 68 23 13-0005    EA    Goal Ring For Steel Net (Porter Athletic 00251-H00).....	237.40	17.95
11 68 23 13-0006    EA    42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000).....	1,394.42	33.90
11 68 23 13-0007    EA    42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300).....	1,794.94	33.90
11 68 23 13-0008    EA    54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300).....	910.84	29.91
11 68 23 13-0009    EA    54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000).....	997.26	29.91
<b>11 68 23 13-0010</b> <b>Basketball Systems</b> <small>(11 68 23 13)</small> See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
11 68 23 13-0011    EA    4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System (Sportsplay 541-616).....	2,287.31	240.43
11 68 23 13-0012    EA    5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00176-230).....	4,121.84	264.47
For Fan Shaped Fiberglass Backboard, Deduct	-133.00	
For 42" x 72" Perforated Steel Backboard, Add	350.00	
11 68 23 13-0013    EA    4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00164-230).....	2,638.80	240.43
For Fan Shaped Fiberglass Backboard, Deduct	-133.00	
For 42" x 72" Perforated Steel Backboard, Add	350.00	
11 68 23 13-0014    EA    5-9/16" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00166-230).....	4,121.84	264.47
For Fan Shaped Fiberglass Backboard, Deduct	-133.00	
For 42" x 72" Perforated Steel Backboard, Add	350.00	
11 68 23 13-0015    EA    Back To Back 6" Galvanized Steel Pole With 5' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 195582).....	7,414.79	388.92
For Fan Shaped Fiberglass Backboard, Deduct	-498.00	
For 42" x 72" Perforated Steel Backboard, Add	700.00	



<b>Equipment</b>	<b>11</b>	
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>	<b>11</b>
<b>Play Field Equipment and Structures</b>	<b>11 68</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**11 68 23 33 Tennis Equipment** (11 68 23)

<b>11 68 23 33-0001 Tennis Court Net Posts</b> <small>(11 68 23 33)</small>			
11 68 23 33-0002 PR	Round, Powder Coated Steel, Tennis Court Net Posts With External Winder.....	1,029.61	135.62
11 68 23 33-0003 PR	Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder.....	1,327.80	135.62
11 68 23 33-0004 PR	Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder.....	1,377.50	135.62
11 68 23 33-0005 PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder.....	1,463.44	135.62
11 68 23 33-0006 PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder.....	1,769.44	135.62
11 68 23 33-0007 PR	Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts.....	256.46	
11 68 23 33-0008 PR	Galvanized Steel Ground Sleeves For Tennis Court Net Posts.....	293.61	
11 68 23 33-0009 PR	Round, Powder Coated Steel, Tennis Court Net Posts With External Winder (Porter 00865-200/300).....	2,299.52	135.62
	Note: Includes ground sleeves.		
11 68 23 33-0010 EA	Round, Powder Coated Steel, Tennis Court Net Posts With External Winder (Porter 00865-200/300).....	1,220.59	67.82
	Note: (Single Post) Includes ground sleeve.		

**11 68 23 33-0011 Tennis Court Nets** (11 68 23 33)

11 68 23 33-0012 EA	42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net.....	571.82	134.03
11 68 23 33-0013 EA	42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net.....	631.12	134.03
11 68 23 33-0014 EA	42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net.....	1,384.95	206.23
11 68 23 33-0015 EA	Galvanized Steel Anchor For Tennis Court Net Center Strap.....	73.05	

**11 68 33 Athletic Field Equipment** (11 68)

**11 68 33 13 Football Field Equipment** (11 68 33)

<b>11 68 33 13-0001 Football Goal Posts</b> <small>(11 68 33 13)</small>			
	Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 13-0002 PR	Double Steel Football Goal Posts, "H Shape".....	4,733.57	358.91
11 68 33 13-0003 PR	Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights.....	6,867.14	548.81
11 68 33 13-0004 PR	Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights.....	8,200.39	658.56

**11 68 33 23 Soccer and Field Hockey Equipment** (11 68 33)

<b>11 68 33 23-0001 Soccer Goal Posts</b> <small>(11 68 33 23)</small>			
	Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 23-0002 PR	Regulation Soccer Goal Posts.....	4,590.64	239.34
11 68 33 23-0003 PR	Combination Football/Soccer Goal Post.....	5,507.50	358.91
11 68 33 23-0004 PR	Portable Soccer Goal, Porter #477.....	7,358.42	239.34
11 68 33 23-0005 PR	Soccer Net, Porter #491-824.....	456.11	19.95
11 68 33 23-0006 PR	Field Hockey Goal With Net, Porter #260.....	6,489.89	159.55
11 68 33 23-0007 PR	Lacrosse Goal With Net, Porter #261.....	2,912.19	159.55

**11 68 33 33 Baseball Field Equipment** (11 68 33)

<b>11 68 33 33-0001 Bases</b> <small>(11 68 33 33)</small>			
11 68 33 33-0002 SET	Bases For Baseball Or Softball.....	568.88	

**11 80 Facility Maintenance and Operation Equipment** (11)

**11 81 Maintenance Equipment** (11 80)

**11 81 29 Facility Fall Protection** (11 81)

<b>11 81 29 00-0001 Safety And Tie-Back Anchors</b> <small>(11 81 29)</small>			
	Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation.		
<b>11 81 29 00-0002 Roof Mounted, Safety And Tie-Back Anchors</b> <small>(11 81 29 00-0001)</small>			
	Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0003 EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	753.30	81.73
	Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
	For Stainless Steel Pad Eye, Add	40.00	
	For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0004 EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	642.52	81.73
	Note: Includes drilling in concrete and adhesive anchor systems.		
	For Stainless Steel Pad Eye, Add	40.00	
	For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0005 EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	471.44	77.36
	For Stainless Steel Pad Eye, Add	40.00	
	For Foam Insulation Filled HSS Tube, Add	10.00	

11	<b>11 Equipment</b>
	<b>11 80 Facility Maintenance and Operation Equipment</b>
	<b>11 81 Maintenance Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 81 29 00-0006 Wall Mounted, Safety And Tie-Back Anchor</b> <small>(11 81 29 00-0001)</small>		
<small>Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.</small>		
11 81 29 00-0007 EA Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) .....	530.84	81.73
<small>Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.</small>		
<i>For Stainless Steel Pad Eye, Add</i> <span style="float: right;">40.00</span>		
11 81 29 00-0008 EA Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) .....	476.36	81.73
<small>Note: Includes drilling in concrete and adhesive anchor systems.</small>		
<i>For Stainless Steel Pad Eye, Add</i> <span style="float: right;">40.00</span>		
11 81 29 00-0009 EA Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) .....	412.79	77.36
<i>For Stainless Steel Pad Eye, Add</i> <span style="float: right;">40.00</span>		
<b>11 81 29 00-0010 Safety And Tie-Back Anchor Accessories</b> <small>(11 81 29 00-0001)</small>		
11 81 29 00-0011 EA Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor) .....	426.54	
<small>Note: One cut sheet required per order.</small>		
<b>11 82 Facility Solid Waste Handling Equipment</b> <small>(11 80)</small>		
<b>11 82 19 Packaged Incinerators</b> <small>(11 82)</small>		
<b>11 82 19 00-0001 Electric Incinerator</b> <small>(11 82 19)</small>		
11 82 19 00-0002 EA Electric Package Incinerator, 100 LB/Hour .....	38,280.74	961.63
11 82 19 00-0003 EA Electric Package Incinerator, 400 LB/Hour .....	78,334.79	1,923.26
11 82 19 00-0004 EA Electric Package Incinerator, 1,000 LB/Hour .....	265,441.47	2,884.89
<b>11 82 19 00-0005 Medical Waste Incinerator</b> <small>(11 82 19)</small>		
11 82 19 00-0006 EA Medical Waste Incinerator, 25 LB/Hour Size 2'-7" x 4'-0" .....	20,760.94	1,923.26
11 82 19 00-0007 EA Medical Waste Incinerator, 50 LB/Hour Size 2'-11" x 4'-11" .....	40,054.40	1,923.26
11 82 19 00-0008 EA Medical Waste Incinerator, 75 LB/Hour Size 3'-8" x 5'-0" .....	54,130.73	3,846.51
11 82 19 00-0009 EA Medium Waste Incinerator, 100 LB/Hour Size 3'-8" x 6'-0" .....	79,463.21	3,846.51
<b>11 82 26 Facility Waste Compactors</b> <small>(11 82)</small>		
<b>11 82 26 00-0001 110 Volt Compactors</b> <small>(11 82 26)</small>		
11 82 26 00-0002 EA Waste Compactor, 110 Volt At 75 LB/Hour .....	20,826.75	496.84
11 82 26 00-0003 EA Waste Compactor, 110 Volt At 250 LB/Hour .....	26,027.78	1,192.41
<b>11 82 26 00-0004 230 Volt Compactors</b> <small>(11 82 26)</small>		
11 82 26 00-0005 EA Waste Compactor, 230 Volt At 600 LB/Hour Hand Fed .....	25,846.69	1,589.89
11 82 26 00-0006 EA Waste Compactor, 230 Volt At 600 LB/Hour Chute Fed .....	29,046.87	2,086.72
<b>11 82 26 00-0007 Trash Compactors</b> <small>(11 82 26)</small>		
11 82 26 00-0008 EA Trash Compactor, Small .....	3,803.82	256.02
11 82 26 00-0009 EA Trash Compactor, Large .....	4,699.67	289.73

**END OF SECTION 11**



<b>Furnishings</b>	<b>12</b>	
Operation and Maintenance of Furnishings	12 01	12
Operation and Maintenance of Multiple Seating	12 01 60	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 12 Furnishings

### 12 01 Operation and Maintenance of Furnishings <sup>(12)</sup>

#### 12 01 60 Operation and Maintenance of Multiple Seating <sup>(12 01)</sup>

##### 12 01 60 00-0001 Repair Fixed Auditorium Seating <sup>(12 01 60)</sup>

12 01 60 00-0002	EA	Removal And Replacement Of Hardwood/Plywood Auditorium Seat Part.....	186.37	
12 01 60 00-0003	EA	Removal And Replacement Of Auditorium Seat Armrest Part.....	85.56	
12 01 60 00-0004	EA	Removal And Replacement Of End Armrest Part.....	120.51	
12 01 60 00-0005	EA	Removal And Replacement Of Auditorium Seat Kick Plate Part.....	141.18	
12 01 60 00-0006	EA	Removal And Replacement Of Auditorium Seat Long Back Part.....	227.48	
12 01 60 00-0007	EA	Removal And Replacement Of Auditorium Seat Center Standard Part.....	181.87	
12 01 60 00-0008	EA	Removal And Replacement Of Auditorium Seat Back Bracket Part.....	65.48	
12 01 60 00-0009	EA	Removal And Replacement Of Auditorium Seat Bracket Part.....	70.09	
12 01 60 00-0010	EA	Secure Seat To Floor.....	67.21	
12 01 60 00-0011	EA	Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor.....	68.96	
		Note: Includes drilling and fasteners.		
		For Epoxy Anchoring, Add	23.94	
		For Expansion Anchor Mounting With Anchor Caps, Add	24.67	
		For Epoxy Anchor Mounting With Anchor Caps, Add	28.33	
12 01 60 00-0012	EA	Reupholster Auditorium Seat And Back.....	203.96	
		Note: Includes removal of existing upholstery.		

### 12 20 Window Treatments <sup>(12)</sup>

#### 12 21 Window Blinds <sup>(12 20)</sup>

##### 12 21 13 Horizontal Louver Blinds <sup>(12 21)</sup>

Note: Includes headrail, brackets, cords and all hardware.

##### 12 21 13 13 Metal Horizontal Louver Blinds <sup>(12 21 13)</sup>

##### 12 21 13 13 0001 Aluminum Horizontal Louver Blinds <sup>(12 21 13 13)</sup>

12 21 13 13 0002	SF	1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	11.47	0.90
12 21 13 13 0003	SF	1" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	9.38	0.90
12 21 13 13 0004	SF	1" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	10.18	0.90
12 21 13 13 0005	SF	2" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	11.79	0.90

##### 12 21 13 33 Plastic Horizontal Louver Blinds <sup>(12 21 13)</sup>

##### 12 21 13 33 0001 Vinyl Horizontal Louver Blinds <sup>(12 21 13 33)</sup>

12 21 13 33 0002	SF	1" Slats, Vinyl Horizontal Louver Blinds.....	9.70	0.90
12 21 13 33 0003	SF	2" Slats, Vinyl Horizontal Louver Blinds.....	11.23	0.90

##### 12 21 16 Vertical Louver Blinds <sup>(12 21)</sup>

Note: Includes headrail, brackets, cords and all hardware.

##### 12 21 16 13 Metal Vertical Louver Blinds <sup>(12 21 16)</sup>

##### 12 21 16 13 0001 Aluminum Vertical Louver Blinds <sup>(12 21 16 13)</sup>

12 21 16 13 0002	SF	3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds.....	13.29	1.91
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##### 12 21 16 33 Plastic Vertical Louver Blinds <sup>(12 21 16)</sup>

##### 12 21 16 33 0001 Vinyl Vertical Louver Blinds <sup>(12 21 16 33)</sup>

12 21 16 33 0002	SF	2" Slats, Vinyl Vertical Louver Blinds.....	8.54	1.91
12 21 16 33 0003	SF	3-1/2" Slats, Vinyl Vertical Louver Blinds.....	12.00	1.91

### 12 22 Curtains and Drapes <sup>(12 20)</sup>

#### 12 22 13 Draperies <sup>(12 22)</sup>

##### 12 22 13 00-0001 Lined Draperies <sup>(12 22 13)</sup>

Note: Width dimensions are the panel width at top excluding returns and overlaps.

##### 12 22 13 00-0002 Up To 48" Wide Lined Draperies <sup>(12 22 13 00-0001)</sup>

12 22 13 00-0003	EA	Up To 39" Long, Up To 48" Wide Lined Draperies.....	321.92	13.63
12 22 13 00-0004	EA	>39" To 63" Long, Up To 48" Wide Lined Draperies.....	335.16	13.63
12 22 13 00-0005	EA	>63" To 72" Long, Up To 48" Wide Lined Draperies.....	356.68	13.63
12 22 13 00-0006	EA	>72" To 81" Long, Up To 48" Wide Lined Draperies.....	364.96	13.63
12 22 13 00-0007	EA	>81" To 90" Long, Up To 48" Wide Lined Draperies.....	384.83	13.63
12 22 13 00-0008	EA	>90" To 99" Long, Up To 48" Wide Lined Draperies.....	411.32	13.63
12 22 13 00-0009	EA	>99" To 108" Long, Up To 48" Wide Lined Draperies.....	427.87	13.63
12 22 13 00-0010	EA	>108" To 120" Long, Up To 48" Wide Lined Draperies.....	451.04	13.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0011 EA >120" To 130" Long, Up To 48" Wide Lined Draperies.....	487.47	13.63
<b>12 22 13 00-0012 &gt;48" To 72" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0013 EA Up To 39" Long, >48" To 72" Wide Lined Draperies.....	467.48	18.52
12 22 13 00-0014 EA >39" To 63" Long, >48" To 72" Wide Lined Draperies.....	497.28	18.52
12 22 13 00-0015 EA >63" To 72" Long, >48" To 72" Wide Lined Draperies.....	520.45	18.52
12 22 13 00-0016 EA >72" To 81" Long, >48" To 72" Wide Lined Draperies.....	540.32	18.52
12 22 13 00-0017 EA >81" To 90" Long, >48" To 72" Wide Lined Draperies.....	586.67	18.52
12 22 13 00-0018 EA >90" To 99" Long, >48" To 72" Wide Lined Draperies.....	609.85	18.52
12 22 13 00-0019 EA >99" To 108" Long, >48" To 72" Wide Lined Draperies.....	629.72	18.52
12 22 13 00-0020 EA >108" To 120" Long, >48" To 72" Wide Lined Draperies.....	672.76	18.52
12 22 13 00-0021 EA >120" To 130" Long, >48" To 72" Wide Lined Draperies.....	719.11	18.52
<b>12 22 13 00-0022 &gt;72" To 96" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0023 EA Up To 39" Long, >72" To 96" Wide Lined Draperies.....	619.66	23.43
12 22 13 00-0024 EA >39" To 63" Long, >72" To 96" Wide Lined Draperies.....	662.71	23.43
12 22 13 00-0025 EA >63" To 72" Long, >72" To 96" Wide Lined Draperies.....	682.57	23.43
12 22 13 00-0026 EA >72" To 81" Long, >72" To 96" Wide Lined Draperies.....	728.92	23.43
12 22 13 00-0027 EA >81" To 90" Long, >72" To 96" Wide Lined Draperies.....	771.97	23.43
12 22 13 00-0028 EA >90" To 99" Long, >72" To 96" Wide Lined Draperies.....	815.01	23.43
12 22 13 00-0029 EA >99" To 108" Long, >72" To 96" Wide Lined Draperies.....	838.19	23.43
12 22 13 00-0030 EA >108" To 120" Long, >72" To 96" Wide Lined Draperies.....	884.54	23.43
12 22 13 00-0031 EA >120" To 130" Long, >72" To 96" Wide Lined Draperies.....	947.45	23.43
<b>12 22 13 00-0032 &gt;96" To 120" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0033 EA Up To 39" Long, >96" To 120" Wide Lined Draperies.....	781.78	28.33
12 22 13 00-0034 EA >39" To 63" Long, >96" To 120" Wide Lined Draperies.....	824.82	28.33
12 22 13 00-0035 EA >63" To 72" Long, >96" To 120" Wide Lined Draperies.....	848.00	28.33
12 22 13 00-0036 EA >72" To 81" Long, >96" To 120" Wide Lined Draperies.....	914.21	28.33
12 22 13 00-0037 EA >81" To 90" Long, >96" To 120" Wide Lined Draperies.....	957.26	28.33
12 22 13 00-0038 EA >90" To 99" Long, >96" To 120" Wide Lined Draperies.....	1,003.61	28.33
12 22 13 00-0039 EA >99" To 108" Long, >96" To 120" Wide Lined Draperies.....	1,389.33	28.33
12 22 13 00-0040 EA >108" To 120" Long, >96" To 120" Wide Lined Draperies.....	1,116.19	28.33
12 22 13 00-0041 EA >120" To 130" Long, >96" To 120" Wide Lined Draperies.....	1,149.29	28.33
<b>12 22 13 00-0042 &gt;120" To 144" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0043 EA Up To 39" Long, >120" To 144" Wide Lined Draperies.....	924.01	33.23
12 22 13 00-0044 EA >39" To 63" Long, >120" To 144" Wide Lined Draperies.....	986.92	33.23
12 22 13 00-0045 EA >63" To 72" Long, >120" To 144" Wide Lined Draperies.....	1,010.10	33.23
12 22 13 00-0046 EA >72" To 81" Long, >120" To 144" Wide Lined Draperies.....	1,076.32	33.23
12 22 13 00-0047 EA >81" To 90" Long, >120" To 144" Wide Lined Draperies.....	1,142.54	33.23
12 22 13 00-0048 EA >90" To 99" Long, >120" To 144" Wide Lined Draperies.....	1,208.76	33.23
12 22 13 00-0049 EA >99" To 108" Long, >120" To 144" Wide Lined Draperies.....	1,274.98	33.23
12 22 13 00-0050 EA >108" To 120" Long, >120" To 144" Wide Lined Draperies.....	1,341.20	33.23
12 22 13 00-0051 EA >120" To 130" Long, >120" To 144" Wide Lined Draperies.....	1,423.98	33.23
<b>12 22 13 00-0052 &gt;144" To 168" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0053 EA Up To 39" Long, >144" To 168" Wide Lined Draperies.....	1,086.13	38.14
12 22 13 00-0054 EA >39" To 63" Long, >144" To 168" Wide Lined Draperies.....	1,152.35	38.14
12 22 13 00-0055 EA >63" To 72" Long, >144" To 168" Wide Lined Draperies.....	1,202.02	38.14
12 22 13 00-0056 EA >72" To 81" Long, >144" To 168" Wide Lined Draperies.....	1,268.23	38.14
12 22 13 00-0057 EA >81" To 90" Long, >144" To 168" Wide Lined Draperies.....	1,334.46	38.14
12 22 13 00-0058 EA >90" To 99" Long, >144" To 168" Wide Lined Draperies.....	1,417.23	38.14
12 22 13 00-0059 EA >99" To 108" Long, >144" To 168" Wide Lined Draperies.....	1,483.45	38.14
12 22 13 00-0060 EA >108" To 120" Long, >144" To 168" Wide Lined Draperies.....	1,549.67	38.14
12 22 13 00-0061 EA >120" To 130" Long, >144" To 168" Wide Lined Draperies.....	1,665.55	38.14
<b>12 22 13 00-0062 &gt;168" To 192" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0063 EA Up To 39" Long, >168" To 192" Wide Lined Draperies.....	1,228.38	43.04
12 22 13 00-0064 EA >39" To 63" Long, >168" To 192" Wide Lined Draperies.....	1,311.16	43.04
12 22 13 00-0065 EA >63" To 72" Long, >168" To 192" Wide Lined Draperies.....	1,360.82	43.04
12 22 13 00-0066 EA >72" To 81" Long, >168" To 192" Wide Lined Draperies.....	1,443.60	43.04
12 22 13 00-0067 EA >81" To 90" Long, >168" To 192" Wide Lined Draperies.....	1,509.81	43.04
12 22 13 00-0068 EA >90" To 99" Long, >168" To 192" Wide Lined Draperies.....	1,592.59	43.04
12 22 13 00-0069 EA >99" To 108" Long, >168" To 192" Wide Lined Draperies.....	1,725.03	43.04
12 22 13 00-0070 EA >108" To 120" Long, >168" To 192" Wide Lined Draperies.....	1,774.69	43.04
12 22 13 00-0071 EA >120" To 130" Long, >168" To 192" Wide Lined Draperies.....	1,890.58	43.04
<b>12 22 13 00-0072 &gt;192" To 216" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0073 EA Up To 39" Long, >192" To 216" Wide Lined Draperies.....	1,387.18	47.95
12 22 13 00-0074 EA >39" To 63" Long, >192" To 216" Wide Lined Draperies.....	1,453.41	47.95
12 22 13 00-0075 EA >63" To 72" Long, >192" To 216" Wide Lined Draperies.....	1,519.62	47.95
12 22 13 00-0076 EA >72" To 81" Long, >192" To 216" Wide Lined Draperies.....	1,618.95	47.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0077 EA >81" To 90" Long, >192" To 216" Wide Lined Draperies.....	1,718.28	47.95
12 22 13 00-0078 EA >90" To 99" Long, >192" To 216" Wide Lined Draperies.....	1,817.61	47.95
12 22 13 00-0079 EA >99" To 108" Long, >192" To 216" Wide Lined Draperies.....	1,900.39	47.95
12 22 13 00-0080 EA >108" To 120" Long, >192" To 216" Wide Lined Draperies.....	1,983.16	47.95
12 22 13 00-0081 EA >120" To 130" Long, >192" To 216" Wide Lined Draperies.....	2,132.16	47.95
<b>12 22 13 00-0082 &gt;216" To 240" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0083 EA Up To 39" Long, >216" To 240" Wide Lined Draperies.....	1,529.43	52.85
12 22 13 00-0084 EA >39" To 63" Long, >216" To 240" Wide Lined Draperies.....	1,645.32	52.85
12 22 13 00-0085 EA >63" To 72" Long, >216" To 240" Wide Lined Draperies.....	1,694.98	52.85
12 22 13 00-0086 EA >72" To 81" Long, >216" To 240" Wide Lined Draperies.....	1,794.31	52.85
12 22 13 00-0087 EA >81" To 90" Long, >216" To 240" Wide Lined Draperies.....	1,910.20	52.85
12 22 13 00-0088 EA >90" To 99" Long, >216" To 240" Wide Lined Draperies.....	2,009.53	52.85
12 22 13 00-0089 EA >99" To 108" Long, >216" To 240" Wide Lined Draperies.....	2,108.86	52.85
12 22 13 00-0090 EA >108" To 120" Long, >216" To 240" Wide Lined Draperies.....	2,208.19	52.85
12 22 13 00-0091 EA >120" To 130" Long, >216" To 240" Wide Lined Draperies.....	2,373.73	52.85
<b>12 22 16 Drapery Track and Accessories (12 22)</b>		
<b>12 22 16 00-0001 Metal Wall Or Ceiling Mount Drapery Tracks (12 22 16)</b>		
<b>12 22 16 00-0002 Basic Traverse Rod (12 22 16 00-0001)</b>		
12 22 16 00-0003 EA Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	136.23	42.98
12 22 16 00-0004 EA Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	162.75	42.98
12 22 16 00-0005 EA Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	194.95	47.75
12 22 16 00-0006 EA Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	277.76	47.75
12 22 16 00-0007 EA Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track.....	286.43	52.53
<b>12 22 16 00-0008 Traverse Rod With Stationary Curtain Rod (12 22 16 00-0001)</b>		
12 22 16 00-0009 EA Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	161.64	42.98
12 22 16 00-0010 EA Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	178.77	42.98
12 22 16 00-0011 EA Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	235.28	47.75
12 22 16 00-0012 EA Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	270.41	52.53
<b>12 22 16 00-0013 Double Traverse Rod (12 22 16 00-0001)</b>		
12 22 16 00-0014 EA Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	205.29	42.98
12 22 16 00-0015 EA Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	257.22	42.98
12 22 16 00-0016 EA Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	326.15	47.75
12 22 16 00-0017 EA Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	351.62	52.53
<b>12 22 16 00-0018 Curtain Rods (12 22 16 00-0001)</b>		
12 22 16 00-0019 LF Standard Metal Curtain Rod, White.....	11.87	1.96
<b>12 22 16 00-0020 Relocate Drapery And Rod (12 22 16 00-0001)</b>		
12 22 16 00-0021 LF Relocate Any Type Of Drapery And Any Type Rod.....	28.65	
Note: Includes storage and cleaning.		
<b>12 22 16 00-0022 Motorized Drapery Track (12 22 16)</b>		
12 22 16 00-0023 EA 2' To 4' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,291.10	109.75
12 22 16 00-0024 EA >4' To 5' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,346.98	120.73
12 22 16 00-0025 EA >5' To 6' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,402.86	131.71
12 22 16 00-0026 EA >6' To 7' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,458.72	142.69
12 22 16 00-0027 EA >7' To 8' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,514.60	153.65
12 22 16 00-0028 EA >8' To 9' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,570.47	164.63
12 22 16 00-0029 EA >9' To 10' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,626.34	175.61
12 22 16 00-0030 EA >10' To 11' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,682.21	186.59
12 22 16 00-0031 EA >11' To 12' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,738.09	197.56
12 22 16 00-0032 EA >12' To 13' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,793.95	208.54
12 22 16 00-0033 EA >13' To 14' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,849.83	219.51
12 22 16 00-0034 EA >14' To 15' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,905.69	230.49
12 22 16 00-0035 EA >15' To 16' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,961.58	241.46
12 22 16 00-0036 EA >16' To 17' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,017.45	252.44
12 22 16 00-0037 EA >17' To 18' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,073.32	263.42
12 22 16 00-0038 EA >18' To 19' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,129.19	274.40
12 22 16 00-0039 EA >19' To 20' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,185.07	285.36
12 22 16 00-0040 EA >20' To 21' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,240.93	296.34
12 22 16 00-0041 EA >21' To 22' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,296.81	307.32
12 22 16 00-0042 EA >22' To 23' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,352.68	318.30
12 22 16 00-0043 EA >23' To 24' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,408.55	329.27

12 23 Interior Shutters (12 20)



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

12 23 00 00-0001	Interior Plantation Shutters <small>(12 23)</small>		
Note: Mixture of white pine and poplar wood, stile: 1-3/4" x 1-1/8" thick, blade: 3/8" x 2-3/8", top and bottom rail: 4" x 1-5/16" thick. 36" To 48" heights do not have center rail, 52" to 80" with center rail. Center rail: 2" x 15/16"			
12 23 00 00-0002	12" Wide <small>(12 23 00 00-0001)</small>		
12 23 00 00-0003	PR 12" x 36" Plantation Shutter .....	267.14	32.92
12 23 00 00-0004	PR 12" x 40" Plantation Shutter .....	297.25	34.57
12 23 00 00-0005	PR 12" x 44" Plantation Shutter .....	324.55	36.22
12 23 00 00-0006	PR 12" x 48" Plantation Shutter .....	351.87	37.86
12 23 00 00-0007	PR 12" x 52" Plantation Shutter .....	379.17	39.51
12 23 00 00-0008	PR 12" x 56" Plantation Shutter .....	406.49	41.16
12 23 00 00-0009	PR 12" x 60" Plantation Shutter .....	408.68	42.80
12 23 00 00-0010	PR 12" x 64" Plantation Shutter .....	461.11	44.45
12 23 00 00-0011	PR 12" x 68" Plantation Shutter .....	488.41	46.10
12 23 00 00-0012	PR 12" x 72" Plantation Shutter .....	515.73	47.74
12 23 00 00-0013	PR 12" x 76" Plantation Shutter .....	543.03	49.39
12 23 00 00-0014	PR 12" x 80" Plantation Shutter .....	570.35	51.03
12 23 00 00-0015	14" Wide <small>(12 23 00 00-0001)</small>		
12 23 00 00-0016	PR 14" x 36" Plantation Shutter .....	278.31	32.92
12 23 00 00-0017	PR 14" x 40" Plantation Shutter .....	308.41	34.57
12 23 00 00-0018	PR 14" x 44" Plantation Shutter .....	335.72	36.22
12 23 00 00-0019	PR 14" x 48" Plantation Shutter .....	363.03	37.86
12 23 00 00-0020	PR 14" x 52" Plantation Shutter .....	393.13	39.51
12 23 00 00-0021	PR 14" x 56" Plantation Shutter .....	420.44	41.16
12 23 00 00-0022	PR 14" x 60" Plantation Shutter .....	447.75	42.80
12 23 00 00-0023	PR 14" x 64" Plantation Shutter .....	477.85	44.45
12 23 00 00-0024	PR 14" x 68" Plantation Shutter .....	505.16	46.10
12 23 00 00-0025	PR 14" x 72" Plantation Shutter .....	532.47	47.74
12 23 00 00-0026	PR 14" x 76" Plantation Shutter .....	562.57	49.39
12 23 00 00-0027	PR 14" x 80" Plantation Shutter .....	589.88	51.03
12 23 00 00-0028	15" Wide <small>(12 23 00 00-0001)</small>		
12 23 00 00-0029	PR 15" x 36" Plantation Shutter .....	289.47	32.92
12 23 00 00-0030	PR 15" x 40" Plantation Shutter .....	319.57	34.57
12 23 00 00-0031	PR 15" x 44" Plantation Shutter .....	346.88	36.22
12 23 00 00-0032	PR 15" x 48" Plantation Shutter .....	374.19	37.86
12 23 00 00-0033	PR 15" x 52" Plantation Shutter .....	404.29	39.51
12 23 00 00-0034	PR 15" x 56" Plantation Shutter .....	434.39	41.16
12 23 00 00-0035	PR 15" x 60" Plantation Shutter .....	464.49	42.80
12 23 00 00-0036	PR 15" x 64" Plantation Shutter .....	494.59	44.45
12 23 00 00-0037	PR 15" x 68" Plantation Shutter .....	524.69	46.10
12 23 00 00-0038	PR 15" x 72" Plantation Shutter .....	552.01	47.74
12 23 00 00-0039	PR 15" x 76" Plantation Shutter .....	582.10	49.39
12 23 00 00-0040	PR 15" x 80" Plantation Shutter .....	612.21	51.03
12 23 00 00-0041	16" Wide <small>(12 23 00 00-0001)</small>		
12 23 00 00-0042	PR 16" x 36" Plantation Shutter .....	306.21	32.92
12 23 00 00-0043	PR 16" x 40" Plantation Shutter .....	339.11	34.57
12 23 00 00-0044	PR 16" x 44" Plantation Shutter .....	369.20	36.22
12 23 00 00-0045	PR 16" x 48" Plantation Shutter .....	402.10	37.86
12 23 00 00-0046	PR 16" x 52" Plantation Shutter .....	432.19	39.51
12 23 00 00-0047	PR 16" x 56" Plantation Shutter .....	462.30	41.16
12 23 00 00-0048	PR 16" x 60" Plantation Shutter .....	492.39	42.80
12 23 00 00-0049	PR 16" x 64" Plantation Shutter .....	528.08	44.45
12 23 00 00-0050	PR 16" x 68" Plantation Shutter .....	558.18	46.10
12 23 00 00-0051	PR 16" x 72" Plantation Shutter .....	588.28	47.74
12 23 00 00-0052	PR 16" x 76" Plantation Shutter .....	621.17	49.39
12 23 00 00-0053	PR 16" x 80" Plantation Shutter .....	651.27	51.03
12 23 00 00-0054	18" Wide <small>(12 23 00 00-0001)</small>		
12 23 00 00-0055	PR 18" x 36" Plantation Shutter .....	331.33	32.92
12 23 00 00-0056	PR 18" x 40" Plantation Shutter .....	364.22	34.57
12 23 00 00-0057	PR 18" x 44" Plantation Shutter .....	397.11	36.22
12 23 00 00-0058	PR 18" x 48" Plantation Shutter .....	432.79	37.86
12 23 00 00-0059	PR 18" x 52" Plantation Shutter .....	465.68	39.51
12 23 00 00-0060	PR 18" x 56" Plantation Shutter .....	501.37	41.16
12 23 00 00-0061	PR 18" x 60" Plantation Shutter .....	534.25	42.80
12 23 00 00-0062	PR 18" x 64" Plantation Shutter .....	567.15	44.45
12 23 00 00-0063	PR 18" x 68" Plantation Shutter .....	600.04	46.10
12 23 00 00-0064	PR 18" x 72" Plantation Shutter .....	635.72	47.74
12 23 00 00-0065	PR 18" x 76" Plantation Shutter .....	668.61	49.39
12 23 00 00-0066	PR 18" x 80" Plantation Shutter .....	704.29	51.03
12 23 00 00-0067	20" Wide <small>(12 23 00 00-0001)</small>		





<b>Furnishings</b>	<b>12</b>
Window Treatments	12 20
Interior Shutters	12 23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 00 00-0068	PR		20" x 36" Plantation Shutter.....	359.23	32.92
12 23 00 00-0069	PR		20" x 40" Plantation Shutter.....	397.71	34.57
12 23 00 00-0070	PR		20" x 44" Plantation Shutter.....	433.39	36.22
12 23 00 00-0071	PR		20" x 48" Plantation Shutter.....	469.07	37.86
12 23 00 00-0072	PR		20" x 52" Plantation Shutter.....	507.54	39.51
12 23 00 00-0073	PR		20" x 56" Plantation Shutter.....	543.23	41.16
12 23 00 00-0074	PR		20" x 60" Plantation Shutter.....	581.69	42.80
12 23 00 00-0075	PR		20" x 64" Plantation Shutter.....	617.38	44.45
12 23 00 00-0076	PR		20" x 68" Plantation Shutter.....	655.85	46.10
12 23 00 00-0077	PR		20" x 72" Plantation Shutter.....	691.53	47.74
12 23 00 00-0078	PR		20" x 76" Plantation Shutter.....	730.00	49.39
12 23 00 00-0079	PR		20" x 80" Plantation Shutter.....	765.69	51.03
<b>12 23 00 00-0080</b>			<b>22" Wide</b> <small>(12 23 00 00-0001)</small>		
12 23 00 00-0081	PR		22" x 36" Plantation Shutter.....	381.56	32.92
12 23 00 00-0082	PR		22" x 40" Plantation Shutter.....	422.82	34.57
12 23 00 00-0083	PR		22" x 44" Plantation Shutter.....	461.29	36.22
12 23 00 00-0084	PR		22" x 48" Plantation Shutter.....	4,685.58	37.86
12 23 00 00-0085	PR		22" x 52" Plantation Shutter.....	541.03	39.51
12 23 00 00-0086	PR		22" x 56" Plantation Shutter.....	579.50	41.16
12 23 00 00-0087	PR		22" x 60" Plantation Shutter.....	617.97	42.80
12 23 00 00-0088	PR		22" x 64" Plantation Shutter.....	659.24	44.45
12 23 00 00-0089	PR		22" x 68" Plantation Shutter.....	697.70	46.10
12 23 00 00-0090	PR		22" x 72" Plantation Shutter.....	738.97	47.74
12 23 00 00-0091	PR		22" x 76" Plantation Shutter.....	777.44	49.39
12 23 00 00-0092	PR		22" x 80" Plantation Shutter.....	818.71	51.03
<b>12 23 00 00-0093</b>			<b>24" Wide</b> <small>(12 23 00 00-0001)</small>		
12 23 00 00-0094	PR		24" x 36" Plantation Shutter.....	403.88	32.92
12 23 00 00-0095	PR		24" x 40" Plantation Shutter.....	447.94	34.57
12 23 00 00-0096	PR		24" x 44" Plantation Shutter.....	489.20	36.22
12 23 00 00-0097	PR		24" x 48" Plantation Shutter.....	533.25	37.86
12 23 00 00-0098	PR		24" x 52" Plantation Shutter.....	574.51	39.51
12 23 00 00-0099	PR		24" x 56" Plantation Shutter.....	615.78	41.16
12 23 00 00-0100	PR		24" x 60" Plantation Shutter.....	657.04	42.80
12 23 00 00-0101	PR		24" x 64" Plantation Shutter.....	701.10	44.45
12 23 00 00-0102	PR		24" x 68" Plantation Shutter.....	742.35	46.10
12 23 00 00-0103	PR		24" x 72" Plantation Shutter.....	786.41	47.74
12 23 00 00-0104	PR		24" x 76" Plantation Shutter.....	827.67	49.39
12 23 00 00-0105	PR		24" x 80" Plantation Shutter.....	871.73	51.03
<b>12 24</b>			<b>Window Shades</b> <small>(12 20)</small>		
<b>12 24 13</b>			<b>Roller Window Shades</b> <small>(12 24)</small>		
12 24 13 00-0001			Roller Window Shades <small>(12 24 13)</small>		
12 24 13 00-0002			Vinyl Coated Fiberglass, Roller Window Shades <small>(12 24 13 00-0001)</small>		
			Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0003	SF		0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades.....	14.65	0.65
12 24 13 00-0004	SF		1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades.....	14.65	0.65
12 24 13 00-0005			Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades <small>(12 24 13 00-0001)</small>		
			Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0006	SF		0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades.....	18.75	0.65
12 24 13 00-0007			Vinyl Coated Polyester, Roller Window Shades <small>(12 24 13 00-0001)</small>		
			Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0008	SF		1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades.....	14.65	0.65
12 24 13 00-0009			Motorized Lightproof Shades <small>(12 24 13)</small>		
12 24 13 00-0010	SF		Motorized Lightproof Shades, Up To 144" Width.....	61.85	2.39
<b>12 30</b>			<b>Casework</b> <small>(12)</small>		
12 31			Manufactured Metal Casework <small>(12 30)</small>		
<b>12 31 16</b>			<b>Manufactured Metal Sandwich Panel Casework</b> <small>(12 31)</small>		
12 31 16 00-0001			34-1/2" High x 24" Deep, Stainless Steel Cabinets <small>(12 31 16)</small>		
12 31 16 00-0002			18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets <small>(12 31 16 00-0001)</small>		

**12 Furnishings****12 30 Casework****12 31 Manufactured Metal Casework**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
<b>12 31 16 00-0003</b>	<b>18" Stainless Steel Base Cabinet</b> <small>(12 31 16 00-0002)</small>		
12 31 16 00-0004	EA 18" Stainless Steel Base Cabinet, No Doors Or Drawers .....	1,628.14	241.74
	For 16 Gauge Stainless Steel, Add	246.07	
	For >5 To 9, Deduct	-60.09	
	For >9, Deduct	-120.17	
12 31 16 00-0005	EA 18" Stainless Steel Base Cabinet, With 4 Drawers .....	2,600.25	241.74
	For 16 Gauge Stainless Steel, Add	455.07	
	For >5 To 9, Deduct	-111.12	
	For >9, Deduct	-222.25	
12 31 16 00-0006	EA 18" Stainless Steel Base Cabinet, With 3 Drawers .....	2,416.82	241.74
	For 16 Gauge Stainless Steel, Add	415.64	
	For >5 To 9, Deduct	-101.49	
	For >9, Deduct	-202.98	
12 31 16 00-0007	EA 18" Stainless Steel Base Cabinet, With 2 Drawers .....	2,233.39	241.74
	For 16 Gauge Stainless Steel, Add	376.20	
	For >5 To 9, Deduct	-91.86	
	For >9, Deduct	-183.72	
12 31 16 00-0008	EA 18" Stainless Steel Base Cabinet, With Doors And Drawers .....	2,171.14	241.74
	For 16 Gauge Stainless Steel, Add	362.81	
	For >5 To 9, Deduct	-88.59	
	For >9, Deduct	-177.19	
<b>12 31 16 00-0009</b>	<b>24" Stainless Steel Base Cabinet</b> <small>(12 31 16 00-0002)</small>		
12 31 16 00-0010	EA 24" Stainless Steel Base Cabinet, With Doors And Locks .....	2,327.39	261.27
	For 16 Gauge Stainless Steel, Add	387.96	
	For >5 To 9, Deduct	-94.73	
	For >9, Deduct	-189.47	
12 31 16 00-0011	EA 24" Stainless Steel Base Cabinet, With Door, No Locks.....	2,103.56	261.27
	For 16 Gauge Stainless Steel, Add	339.84	
	For >5 To 9, Deduct	-82.98	
	For >9, Deduct	-165.97	
12 31 16 00-0012	EA 24" Stainless Steel Base Cabinet, With Two Doors, No Locks .....	2,152.56	261.27
	For 16 Gauge Stainless Steel, Add	350.37	
	For >5 To 9, Deduct	-85.56	
	For >9, Deduct	-171.11	
12 31 16 00-0013	EA 24" Stainless Steel Base Cabinet, No Doors, 2 Drawers .....	2,380.36	261.27
	For 16 Gauge Stainless Steel, Add	399.35	
	For >5 To 9, Deduct	-97.52	
	For >9, Deduct	-195.03	
12 31 16 00-0014	EA 24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks .....	3,071.04	261.27
	For 16 Gauge Stainless Steel, Add	547.84	
	For >5 To 9, Deduct	-133.78	
	For >9, Deduct	-267.55	
12 31 16 00-0015	EA 24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks.....	3,367.04	261.27
	For 16 Gauge Stainless Steel, Add	611.48	
	For >5 To 9, Deduct	-149.32	
	For >9, Deduct	-298.63	
<b>12 31 16 00-0016</b>	<b>30" Stainless Steel Base Cabinet</b> <small>(12 31 16 00-0002)</small>		
12 31 16 00-0017	EA 30" Stainless Steel Base Cabinet, No Doors, No Drawers.....	2,061.76	275.33
	For 16 Gauge Stainless Steel, Add	324.93	
	For >5 To 9, Deduct	-79.34	
	For >9, Deduct	-158.69	
12 31 16 00-0018	EA 30" Stainless Steel Base Cabinet, With 4 Full Size Drawers .....	2,959.70	275.33
	For 16 Gauge Stainless Steel, Add	517.99	
	For >5 To 9, Deduct	-126.49	
	For >9, Deduct	-252.97	
12 31 16 00-0019	EA 30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks .....	3,785.46	275.33
	For 16 Gauge Stainless Steel, Add	695.53	
	For >5 To 9, Deduct	-169.84	
	For >9, Deduct	-339.68	
12 31 16 00-0020	EA 30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks .....	3,489.46	275.33
	For 16 Gauge Stainless Steel, Add	631.89	
	For >5 To 9, Deduct	-154.30	
	For >9, Deduct	-308.60	
12 31 16 00-0021	EA 30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer.....	3,306.03	275.33
	For 16 Gauge Stainless Steel, Add	592.45	
	For >5 To 9, Deduct	-144.67	
	For >9, Deduct	-289.34	
12 31 16 00-0022	EA 30" Stainless Steel Base Cabinet, With Doors, No Locks.....	2,561.72	275.33
	For 16 Gauge Stainless Steel, Add	432.42	
	For >5 To 9, Deduct	-105.59	
	For >9, Deduct	-211.18	
12 31 16 00-0023	EA 30" Stainless Steel Base Cabinet, With Doors And Locks .....	2,539.20	275.33
	For 16 Gauge Stainless Steel, Add	427.58	
	For >5 To 9, Deduct	-104.41	
	For >9, Deduct	-208.82	
<b>12 31 16 00-0024</b>	<b>36" Stainless Steel Base Cabinet</b> <small>(12 31 16 00-0002)</small>		



		<b>Furnishings</b>	<b>12</b>
		Casework	12 30
		Manufactured Metal Casework	12 31

12

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
12 31 16 00-0025	EA	36" Stainless Steel Base Cabinet, No Doors, No Drawers .....		2,272.51	286.26
		<i>For 16 Gauge Stainless Steel, Add</i>		365.38	
		<i>For &gt;5 To 9, Deduct</i>		-89.22	
		<i>For &gt;9, Deduct</i>		-178.44	
12 31 16 00-0026	EA	36" Stainless Steel Base Cabinet, With Doors And Locks .....		2,750.62	286.26
		<i>For 16 Gauge Stainless Steel, Add</i>		468.17	
		<i>For &gt;5 To 9, Deduct</i>		-114.32	
		<i>For &gt;9, Deduct</i>		-228.64	
12 31 16 00-0027	EA	36" Stainless Steel Base Cabinet, With Door, No Lock .....		2,574.48	286.26
		<i>For 16 Gauge Stainless Steel, Add</i>		430.30	
		<i>For &gt;5 To 9, Deduct</i>		-105.07	
		<i>For &gt;9, Deduct</i>		-210.15	
12 31 16 00-0028	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....		3,994.23	286.26
		<i>For 16 Gauge Stainless Steel, Add</i>		735.55	
		<i>For &gt;5 To 9, Deduct</i>		-179.61	
		<i>For &gt;9, Deduct</i>		-359.22	
12 31 16 00-0029	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks.....		3,698.89	286.26
		<i>For 16 Gauge Stainless Steel, Add</i>		672.05	
		<i>For &gt;5 To 9, Deduct</i>		-164.11	
		<i>For &gt;9, Deduct</i>		-328.21	
<b>12 31 16 00-0030</b>		<b>42" Stainless Steel Base Cabinet</b> <small>(12 31 16 00-0002)</small>			
12 31 16 00-0031	EA	42" Stainless Steel Base Cabinet, No Doors, No Drawers .....		2,386.62	304.22
		<i>For 16 Gauge Stainless Steel, Add</i>		382.30	
		<i>For &gt;5 To 9, Deduct</i>		-93.35	
		<i>For &gt;9, Deduct</i>		-186.70	
12 31 16 00-0032	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....		4,213.63	304.22
		<i>For 16 Gauge Stainless Steel, Add</i>		775.10	
		<i>For &gt;5 To 9, Deduct</i>		-189.27	
		<i>For &gt;9, Deduct</i>		-378.54	
12 31 16 00-0033	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock .....		3,917.63	304.22
		<i>For 16 Gauge Stainless Steel, Add</i>		711.46	
		<i>For &gt;5 To 9, Deduct</i>		-173.73	
		<i>For &gt;9, Deduct</i>		-347.46	
12 31 16 00-0034	EA	42" Stainless Steel Base Cabinet, No Doors, 2 Drawers .....		3,611.03	304.22
		<i>For 16 Gauge Stainless Steel, Add</i>		645.54	
		<i>For &gt;5 To 9, Deduct</i>		-157.63	
		<i>For &gt;9, Deduct</i>		-315.27	
12 31 16 00-0035	EA	42" Stainless Steel Base Cabinet, With Doors, No Lock.....		2,794.53	304.22
		<i>For 16 Gauge Stainless Steel, Add</i>		470.00	
		<i>For &gt;5 To 9, Deduct</i>		-114.77	
		<i>For &gt;9, Deduct</i>		-229.53	
12 31 16 00-0036	EA	42" Stainless Steel Base Cabinet, With Doors And Lock.....		2,968.03	304.22
		<i>For 16 Gauge Stainless Steel, Add</i>		507.30	
		<i>For &gt;5 To 9, Deduct</i>		-123.88	
		<i>For &gt;9, Deduct</i>		-247.75	
<b>12 31 16 00-0037</b>		<b>48" Stainless Steel Base Cabinet</b> <small>(12 31 16 00-0002)</small>			
12 31 16 00-0038	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....		4,416.76	311.25
		<i>For 16 Gauge Stainless Steel, Add</i>		815.86	
		<i>For &gt;5 To 9, Deduct</i>		-199.22	
		<i>For &gt;9, Deduct</i>		-398.44	
12 31 16 00-0039	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock .....		4,121.42	311.25
		<i>For 16 Gauge Stainless Steel, Add</i>		752.36	
		<i>For &gt;5 To 9, Deduct</i>		-183.72	
		<i>For &gt;9, Deduct</i>		-367.43	
12 31 16 00-0040	EA	48" Stainless Steel Base Cabinet, No Doors, No Drawers .....		2,589.75	311.25
		<i>For 16 Gauge Stainless Steel, Add</i>		423.05	
		<i>For &gt;5 To 9, Deduct</i>		-103.30	
		<i>For &gt;9, Deduct</i>		-206.61	
12 31 16 00-0041	EA	48" Stainless Steel Base Cabinet, No Doors, 2 Drawers .....		3,814.82	311.25
		<i>For 16 Gauge Stainless Steel, Add</i>		686.44	
		<i>For &gt;5 To 9, Deduct</i>		-167.62	
		<i>For &gt;9, Deduct</i>		-335.24	
12 31 16 00-0042	EA	48" Stainless Steel Base Cabinet, With Doors, And Lock.....		3,173.15	311.25
		<i>For 16 Gauge Stainless Steel, Add</i>		548.48	
		<i>For &gt;5 To 9, Deduct</i>		-133.93	
		<i>For &gt;9, Deduct</i>		-267.86	
12 31 16 00-0043	EA	48" Stainless Steel Base Cabinet, With Doors, No Locks.....		3,125.47	311.25
		<i>For 16 Gauge Stainless Steel, Add</i>		538.23	
		<i>For &gt;5 To 9, Deduct</i>		-131.43	
		<i>For &gt;9, Deduct</i>		-262.86	
<b>12 31 16 00-0044</b>		<b>60" Stainless Steel Base Cabinet</b> <small>(12 31 16 00-0002)</small>			
12 31 16 00-0045	EA	24" Deep x 60" Wide Stainless Steel Sink Base Cabinet.....		3,096.28	320.73
		<i>For 16 Gauge Stainless Steel, Add</i>		527.86	
		<i>For &gt;5 To 9, Deduct</i>		-128.90	
		<i>For &gt;9, Deduct</i>		-257.79	
<b>12 31 16 00-0046</b>		<b>18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets</b> <small>(12 31 16 00-0001)</small>			

**12 Furnishings****12 30 Casework****12 31 Manufactured Metal Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0047			<b>12" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0048	EA		12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,233.06	92.03
			For 16 Gauge Stainless Steel, Add	225.53	
			For >5 To 9, Deduct	-55.07	
			For >9, Deduct	-110.14	
12 31 16 00-0049	EA		12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,230.09	97.61
			For 16 Gauge Stainless Steel, Add	222.49	
			For >5 To 9, Deduct	-54.33	
			For >9, Deduct	-108.66	
12 31 16 00-0050			<b>18" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0051	EA		18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,293.39	98.95
			For 16 Gauge Stainless Steel, Add	235.50	
			For >5 To 9, Deduct	-57.51	
			For >9, Deduct	-115.01	
12 31 16 00-0052	EA		18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,221.22	98.95
			For 16 Gauge Stainless Steel, Add	219.99	
			For >5 To 9, Deduct	-53.72	
			For >9, Deduct	-107.43	
12 31 16 00-0053	EA		18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,430.01	107.65
			For 16 Gauge Stainless Steel, Add	261.15	
			For >5 To 9, Deduct	-63.77	
			For >9, Deduct	-127.54	
12 31 16 00-0054	EA		18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,385.64	107.65
			For 16 Gauge Stainless Steel, Add	251.61	
			For >5 To 9, Deduct	-61.44	
			For >9, Deduct	-122.88	
12 31 16 00-0055			<b>24" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0056	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door.....	1,081.98	109.55
			For 16 Gauge Stainless Steel, Add	185.53	
			For >5 To 9, Deduct	-45.30	
			For >9, Deduct	-90.61	
12 31 16 00-0057	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,459.44	109.55
			For 16 Gauge Stainless Steel, Add	266.69	
			For >5 To 9, Deduct	-65.12	
			For >9, Deduct	-130.24	
12 31 16 00-0058	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,387.92	109.55
			For 16 Gauge Stainless Steel, Add	251.31	
			For >5 To 9, Deduct	-61.37	
			For >9, Deduct	-122.73	
12 31 16 00-0059	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,373.77	102.30
			For 16 Gauge Stainless Steel, Add	251.33	
			For >5 To 9, Deduct	-61.37	
			For >9, Deduct	-122.74	
12 31 16 00-0060	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,297.61	102.30
			For 16 Gauge Stainless Steel, Add	234.95	
			For >5 To 9, Deduct	-57.37	
			For >9, Deduct	-114.74	
12 31 16 00-0061	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock.....	1,654.54	102.30
			For 16 Gauge Stainless Steel, Add	311.69	
			For >5 To 9, Deduct	-76.11	
			For >9, Deduct	-152.22	
12 31 16 00-0062	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	991.68	102.30
			For 16 Gauge Stainless Steel, Add	169.18	
			For >5 To 9, Deduct	-41.31	
			For >9, Deduct	-82.62	
12 31 16 00-0063	EA		24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors.....	934.08	97.61
			For 16 Gauge Stainless Steel, Add	158.85	
			For >5 To 9, Deduct	-38.79	
			For >9, Deduct	-77.58	
12 31 16 00-0064			<b>30" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0065	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,886.47	116.35
			For 16 Gauge Stainless Steel, Add	355.55	
			For >5 To 9, Deduct	-86.82	
			For >9, Deduct	-173.64	
12 31 16 00-0066	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,712.97	116.35
			For 16 Gauge Stainless Steel, Add	318.25	
			For >5 To 9, Deduct	-77.71	
			For >9, Deduct	-155.43	
12 31 16 00-0067	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,161.36	116.35
			For 16 Gauge Stainless Steel, Add	199.66	
			For >5 To 9, Deduct	-48.75	
			For >9, Deduct	-97.51	
12 31 16 00-0068	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,793.53	107.10
			For 16 Gauge Stainless Steel, Add	339.54	
			For >5 To 9, Deduct	-82.91	
			For >9, Deduct	-165.82	



		<b>Furnishings</b>	<b>12</b>
		Casework	12 30
		Manufactured Metal Casework	12 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31	16 00-0069	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,620.03 302.24 -73.80 -147.61	107.10
12 31	16 00-0070	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,068.42 183.64 -44.84 -89.69	107.10
12 31	16 00-0071	EA	30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,010.42 173.37 -42.33 -84.67	102.08
<b>12 31 16 00-0072 36" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)</b>					
12 31	16 00-0073	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,961.47 370.25 -90.41 -180.82	119.70
12 31	16 00-0074	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,784.00 332.09 -81.09 -162.18	119.70
12 31	16 00-0075	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,236.37 214.35 -52.34 -104.68	119.70
12 31	16 00-0076	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,867.35 354.39 -86.54 -173.07	109.55
12 31	16 00-0077	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,694.52 317.23 -77.46 -154.93	109.55
12 31	16 00-0078	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,142.24 198.49 -48.47 -96.94	109.55
12 31	16 00-0079	EA	36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,085.45 188.51 -46.03 -92.06	104.31
<b>12 31 16 00-0080 42" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)</b>					
12 31	16 00-0081	EA	42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,062.06 378.63 -92.46 -184.91	150.60
12 31	16 00-0082	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,063.48 382.57 -93.42 -186.83	142.12
12 31	16 00-0083	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,887.33 344.69 -84.17 -168.34	142.12
12 31	16 00-0084	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,337.04 226.38 -55.28 -110.56	142.12
12 31	16 00-0085	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,941.85 366.18 -89.41 -178.83	119.36
12 31	16 00-0086	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,767.03 328.59 -80.24 -160.47	119.36
12 31	16 00-0087	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,216.74 210.28 -51.35 -102.69	119.36
<b>12 31 16 00-0088 48" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)</b>					
12 31	16 00-0089	EA	48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,820.15 325.32 -79.44 -158.88	150.60
12 31	16 00-0090	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,137.01 397.00 -96.94 -193.88	145.25

**12 Furnishings**  
**12 30 Casework**  
 12 31 Manufactured Metal Casework



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0091	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,963.51	145.25
			<i>For 16 Gauge Stainless Steel, Add</i>	359.69	
			<i>For &gt;5 To 9, Deduct</i>	-87.83	
			<i>For &gt;9, Deduct</i>	-175.66	
12 31 16 00-0092	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,411.90	145.25
			<i>For 16 Gauge Stainless Steel, Add</i>	241.10	
			<i>For &gt;5 To 9, Deduct</i>	-58.87	
			<i>For &gt;9, Deduct</i>	-117.74	
12 31 16 00-0093	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,014.21	120.48
			<i>For 16 Gauge Stainless Steel, Add</i>	381.21	
			<i>For &gt;5 To 9, Deduct</i>	-93.09	
			<i>For &gt;9, Deduct</i>	-186.17	
12 31 16 00-0094	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,841.37	120.48
			<i>For 16 Gauge Stainless Steel, Add</i>	344.05	
			<i>For &gt;5 To 9, Deduct</i>	-84.01	
			<i>For &gt;9, Deduct</i>	-168.03	
12 31 16 00-0095	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,289.10	120.48
			<i>For 16 Gauge Stainless Steel, Add</i>	225.32	
			<i>For &gt;5 To 9, Deduct</i>	-55.02	
			<i>For &gt;9, Deduct</i>	-110.04	
12 31 16 00-0096			<b>Accessories</b> <small>(12 31 16 00-0001)</small>		
12 31 16 00-0097			<b>Stainless Steel Countertops</b> <small>(12 31 16 00-0096)</small> Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc. Excludes sinks.		
12 31 16 00-0098	SF		16 Gauge Stainless Steel Countertop With Backsplash.....	126.97	6.14
			<i>For 14 Gauge Stainless Steel, Add</i>	25.35	
12 31 16 00-0099	SF		16 Gauge Stainless Steel Countertop Without Backsplash.....	116.24	6.14
			<i>For 14 Gauge Stainless Steel, Add</i>	22.98	
12 31 16 00-0100	EA		Cutout For Sink And/Or Faucet In Stainless Steel Countertop.....	163.39	
12 31 16 00-0101			<b>Stainless Steel Wall Panels</b> <small>(12 31 16 00-0096)</small>		
12 31 16 00-0102	SF		20 Gauge Stainless Steel Wall Panel.....	33.17	9.15
			<i>For 18 Gauge Stainless Steel, Add</i>	4.05	
			<i>For 16 Gauge Stainless Steel, Add</i>	7.79	
12 31 16 00-0103			<b>Pedestal Legs</b> <small>(12 31 16 00-0096)</small>		
12 31 16 00-0104	EA		Type #304 Stainless Steel Pedestal Leg.....	267.18	13.95
12 31 16 00-0105			<b>Stainless Steel Slanted Cabinet Top Enclosure</b> <small>(12 31 16 00-0096)</small>		
12 31 16 00-0106	EA		Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections.....	297.02	27.24
12 35			<b>Specialty Casework</b> <small>(12 30)</small>		
12 35 70			<b>Healthcare Casework</b> <small>(12 35)</small>		
12 35 70 13			<b>Hospital Casework</b> <small>(12 35 70)</small>		
12 35 70 13-0001			<b>Hospital Cabinets</b> <small>(12 35 70 13)</small>		
12 35 70 13-0002	LF		Hospital Base Cabinet, Laminated Plastic.....	556.76	87.18
12 35 70 13-0003	LF		Hospital Base Cabinet, Enameled Steel.....	647.53	87.18
12 35 70 13-0004	LF		Hospital Base Cabinet, Stainless Steel.....	995.16	87.18
12 35 70 13-0005	LF		Hospital Cabinet Base Trim, 4" High Enameled Steel.....	70.52	4.36
12 35 70 13-0006	LF		Hospital Cabinet Base Trim, 4" High Stainless Steel.....	148.74	4.36
12 35 70 13-0007	LF		Hospital Counter Top, Laminated Plastic Without Backsplash.....	113.12	21.79
12 35 70 13-0008	LF		Hospital Counter Top, Laminated Plastic With Backsplash.....	124.70	21.79
12 35 70 13-0009	LF		Hospital Counter Top, Stainless Steel.....	265.69	21.79
12 35 70 13-0010	LF		Hospital Wall Cabinet, Laminated Plastic.....	454.58	58.30
12 35 70 13-0011	LF		Hospital Wall Cabinet, Enameled Steel.....	551.14	58.30
12 35 70 13-0012	LF		Hospital Wall Cabinet, Stainless Steel.....	840.84	58.30
12 36			<b>Countertops</b> <small>(12 30)</small>		
12 36 23			<b>Plastic Countertops</b> <small>(12 36)</small>		
12 36 23 13			<b>Plastic-Laminate-Clad Countertops</b> <small>(12 36 23)</small>		
12 36 23 13-0001			<b>Plastic Laminate Countertops</b> <small>(12 36 23 13)</small> Note: Includes plywood, medium-density fiberboard (MDF), or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, roundover, bevel, etc.		
12 36 23 13-0002	SF		Plastic Laminate Countertop Without Backsplash.....	17.50	10.89
12 36 23 13-0003	SF		Plastic Laminate Countertop With 4" Backsplash.....	23.16	10.89
12 36 23 13-0004	LF		Plastic Laminate End Splash For Plastic Laminate Countertops.....	27.33	3.27
12 36 23 13-0005	EA		Cutout For Sink And/Or Faucet In Plastic Laminate Countertop.....	90.77	



<b>Furnishings</b>	<b>12</b>	
Casework	12 30	12
Countertops	12 36	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**12 36 53 Laboratory Countertops** (12 36)

**12 36 53 00-0001 Epoxy Resin Laboratory Countertops** (12 36 53)

Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.

12 36 53 00-0002	SF	3/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges .....	58.69	5.45
12 36 53 00-0003	SF	1" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges .....	60.63	5.45
12 36 53 00-0004	SF	1-1/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges .....	74.08	5.45
12 36 53 00-0005	LF	4" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop .....	22.22	3.27
12 36 53 00-0006	LF	6" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop .....	30.07	3.27

**12 36 53 00-0007 Epoxy Resin Laboratory Sinks** (12 36 53)

Note: Includes cut out for sinks, and sink strainer assembly set.

**12 36 53 00-0008 Epoxy Resin Laboratory Undermount Sink** (12 36 53 00-0007)

12 36 53 00-0009	EA	12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	557.50	103.18
12 36 53 00-0010	EA	12" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	567.29	103.18
12 36 53 00-0011	EA	12" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	671.87	103.18
12 36 53 00-0012	EA	14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	567.29	103.18
12 36 53 00-0013	EA	16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	601.35	111.85
12 36 53 00-0014	EA	16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	636.20	111.85
12 36 53 00-0015	EA	16" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	1,360.50	111.85
12 36 53 00-0016	EA	18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	715.87	111.85
12 36 53 00-0017	EA	24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	739.98	119.56
12 36 53 00-0018	EA	24" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	919.74	119.56
12 36 53 00-0019	EA	24" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	1,111.43	119.56
12 36 53 00-0020	EA	30" Length x 18" Width x 18" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	2,479.69	119.56
12 36 53 00-0021	EA	31" Length x 21" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	1,252.23	119.56
12 36 53 00-0022	EA	36" Length x 20" Width x 16" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	2,667.24	119.56
12 36 53 00-0023	EA	42" Length x 20" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	3,666.87	122.45

**12 36 53 00-0024 Epoxy Resin Laboratory Drop-in Sink** (12 36 53 00-0007)

12 36 53 00-0025	EA	9" Length x 6" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	556.04	103.18
12 36 53 00-0026	EA	12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	557.48	103.18
12 36 53 00-0027	EA	12" Length x 12" Width x 12" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	657.76	103.18
12 36 53 00-0028	EA	14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	567.29	103.18
12 36 53 00-0029	EA	15" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	599.89	103.18
12 36 53 00-0030	EA	15" Length x 8" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	599.89	103.18
12 36 53 00-0031	EA	16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	601.35	111.85
12 36 53 00-0032	EA	16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	636.20	111.85
12 36 53 00-0033	EA	16" Length x 16" Width x 9-5/8" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	656.17	111.85
12 36 53 00-0034	EA	18" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	661.14	111.85
12 36 53 00-0035	EA	18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	781.62	111.85
12 36 53 00-0036	EA	24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	805.73	119.56
12 36 53 00-0037	EA	25" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	824.28	119.56
12 36 53 00-0038	EA	25" Length x 15" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	830.58	119.56
12 36 53 00-0039	EA	30" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	1,247.39	119.56
12 36 53 00-0040	EA	10" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink .....	566.11	102.21
12 36 53 00-0041	EA	12" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink .....	583.01	102.21

**12 36 53 00-0042 Epoxy Resin Laboratory ADA Drop-in Sink** (12 36 53 00-0007)

12 36 53 00-0043	EA	14" Length x 10" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink .....	562.47	102.21
12 36 53 00-0044	EA	14" Length x 14" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink .....	608.63	102.21
12 36 53 00-0045	EA	14" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink .....	632.22	102.21
12 36 53 00-0046	EA	25" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink .....	830.58	119.56

**12 36 53 00-0047 Epoxy Resin Laboratory Cup Sink** (12 36 53 00-0007)

12 36 53 00-0048	EA	6" Length x 3" Width x 4" Depth, Black Oval Epoxy Resin Laboratory Cup Sink .....	354.91	82.92
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**12 36 53 00-0049 Polypropylene Laboratory Countertops** (12 36 53)

Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.

12 36 53 00-0050	SF	3/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges .....	26.06	5.45
12 36 53 00-0051	SF	1" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges .....	28.94	5.45
12 36 53 00-0052	SF	1-1/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges .....	32.63	5.45
12 36 53 00-0053	LF	4" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop .....	11.34	3.27
12 36 53 00-0054	LF	6" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop .....	13.74	3.27

**12 36 53 00-0055 Polypropylene Laboratory Sinks** (12 36 53)

Note: Includes cut out for sinks, and sink strainer assembly set.

**12 36 53 00-0056 Polypropylene Laboratory Undermount Sink** (12 36 53 00-0055)

12 36 53 00-0057	EA	12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink .....	590.97	103.18
12 36 53 00-0058	EA	12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink .....	623.46	103.18
12 36 53 00-0059	EA	14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink .....	615.48	103.18
12 36 53 00-0060	EA	16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Undermount Sink .....	647.56	111.85
12 36 53 00-0061	EA	16" Length x 13" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink .....	802.67	111.85

**12 Furnishings****12 30 Casework****12 36 Countertops**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 53 00-0062	EA		17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink.....	810.76	111.85
12 36 53 00-0063	EA		18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink.....	810.76	111.85
12 36 53 00-0064	EA		24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink.....	867.55	119.56
12 36 53 00-0065	EA		25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Undermount Sink.....	908.56	119.56
12 36 53 00-0066	EA		23" Length x 17" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink.....	867.55	119.56
12 36 53 00-0067	EA		30" Length x 18" Width x 18" Depth, Black Polypropylene Laboratory Undermount Sink.....	1,357.40	119.56
12 36 53 00-0068	EA		31" Length x 20.5" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink.....	1,350.12	119.56
12 36 53 00-0069	EA		42" Length x 18" Width x 16" Depth, Black Polypropylene Laboratory Undermount Sink.....	2,377.51	122.45
<b>12 36 53 00-0070</b>			<b>Polypropylene Laboratory Drop-in Sink</b> <small>(12 36 53 00-0055)</small>		
12 36 53 00-0071	EA		11" Length x 11" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink.....	509.37	103.18
12 36 53 00-0072	EA		12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	817.60	103.18
12 36 53 00-0073	EA		12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	541.83	103.18
12 36 53 00-0074	EA		14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Drop-in Sink.....	533.86	103.18
12 36 53 00-0075	EA		17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink.....	729.15	111.85
12 36 53 00-0076	EA		16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink.....	565.93	111.85
12 36 53 00-0077	EA		18" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	729.15	111.85
12 36 53 00-0078	EA		16" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	712.74	111.85
12 36 53 00-0079	EA		18" Length x 15" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	696.80	111.85
12 36 53 00-0080	EA		18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink.....	729.15	111.85
12 36 53 00-0081	EA		24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	785.93	119.56
12 36 53 00-0082	EA		25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink.....	826.92	119.56
12 36 53 00-0083	EA		31" Length x 17" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink.....	1,227.27	119.56
12 36 53 00-0084	EA		12" Diameter x 7.8" Depth, Black Round Polypropylene Laboratory Drop-in Sink.....	476.02	102.21
<b>12 36 53 00-0085</b>			<b>Polypropylene Laboratory ADA Drop-in Sink</b> <small>(12 36 53 00-0055)</small>		
12 36 53 00-0086	EA		16" Length x 16" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink.....	696.80	111.85
12 36 53 00-0087	EA		25" Length x 15" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink.....	808.55	119.56
<b>12 36 53 00-0088</b>			<b>Polypropylene Laboratory Cup Sink</b> <small>(12 36 53 00-0055)</small>		
12 36 53 00-0089	EA		6" Length x 3" Width x 4" Depth, Black Oval Polypropylene Laboratory Cup Sink.....	373.68	102.21
<b>12 36 53 00-0090</b>			<b>Phenolic Resin Laboratory Countertops</b> <small>(12 36 53)</small>		
			Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0091	SF		3/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	40.85	5.45
12 36 53 00-0092	SF		1" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	46.04	5.45
12 36 53 00-0093	SF		1-1/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	49.67	5.45
12 36 53 00-0094	LF		4" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop.....	15.71	3.27
12 36 53 00-0095	LF		6" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop.....	20.23	3.27
<b>12 36 53 00-0096</b>			<b>High Pressure Laminate Laboratory Countertops</b> <small>(12 36 53)</small>		
			Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0097	SF		3/4" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges.....	24.02	5.45
12 36 53 00-0098	SF		1" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges.....	25.21	5.45
12 36 53 00-0099	SF		1-1/4" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges.....	25.21	5.45
12 36 53 00-0100	LF		4" x 3/4" Thick, High Pressure Laminate Backsplash For Laboratory Countertop.....	13.33	3.27
12 36 53 00-0101	LF		6" x 3/4" Thick, High Pressure Laminate Backsplash For Laboratory Countertop.....	13.33	3.27
<b>12 36 61</b>			<b>Simulated Stone Countertops</b> <small>(12 36)</small>		
<b>12 36 61 16</b>			<b>Solid Surfacing Countertops</b> <small>(12 36 61)</small>		
12 36 61 16-0001			Solid Surface Countertops <small>(12 36 61 16)</small>		
12 36 61 16-0002			Solid Surface Countertops <small>(12 36 61 16-0001)</small>		
			Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.		
12 36 61 16-0003	SF		1/4" Thick, Solid Color, Solid Surface Backsplash.....	45.88	7.27
			Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.		
			For Up To 50, Add	15.13	
			For >50 To 100, Add	8.63	





<b>Furnishings</b>	<b>12</b>	<b>12</b>
Casework	12 30	
Countertops	12 36	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 61 16-0004 SF 1/2" Thick, Solid Color, Solid Surface Countertop Without Backsplash.....	71.63	10.89
Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).		
For Up To 50, Add	23.22	
For >50 To 100, Add	13.63	
For Integral 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add	241.03	
For Integral 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add	304.76	
For Integral 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add	222.49	
For Integral 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add	212.06	
For Integral 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add	304.76	
For Integral 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add	304.76	
For Integral 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add	304.76	
For Integral 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add	304.76	
For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add	274.63	
Note: Single or double bowl.		
For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add	477.42	
Note: Single or double bowl.		
For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add	639.65	
Note: Single or double bowl.		
For >3 SF Integral Single Basin Kitchen Sink, Add	692.95	
Note: Single or double bowl.		
For >3 SF Integral Double Basin Kitchen Sink, Add	692.95	
12 36 61 16-0005 SF 1/2" Thick, Solid Color, Solid Surface Countertop With 4" Backsplash.....	78.16	10.89
For Up To 50, Add	25.18	
For >50 To 100, Add	14.94	
For Integral 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add	241.03	
For Integral 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add	304.76	
For Integral 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add	222.49	
For Integral 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add	212.06	
For Integral 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add	304.76	
For Integral 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add	304.76	
For Integral 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add	304.76	
For Integral 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add	304.76	
For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add	274.63	
Note: Single or double bowl.		
For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add	477.42	
Note: Single or double bowl.		
For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add	639.65	
Note: Single or double bowl.		
For >3 SF Integral Single Basin Kitchen Sink, Add	692.95	
Note: Single or double bowl.		
For >3 SF Integral Double Basin Kitchen Sink, Add	692.95	
12 36 61 16-0006 LF 1/2" Thick, Solid Color, Solid Surface End Splash For Solid Surface Countertops.....	26.55	4.63
12 36 61 16-0007 EA Cutout For Undercounter Sink In Solid Surface Countertop .....	163.39	
Note: Not including integral seamed sinks		
<b>12 36 61 16-0008 Integral Seamless Solid Surface Lavatory</b> <small>(12 36 61 16-0001)</small>		
Note: Includes sink cutout and hard seam of lavatory to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.		
12 36 61 16-0009 EA 16-1/2" x 13-1/8" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 810) .....	278.07	
12 36 61 16-0010 EA 20-7/16" x 14-7/16" x 6-1/8" Depth, Integral Solid Surface Lavatory Sink (Corian 815).....	341.80	
12 36 61 16-0011 EA 17-3/8" x 10-13/16" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 816).....	259.53	
12 36 61 16-0012 EA 14-3/4" x 10-1/2" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 820).....	249.10	
12 36 61 16-0013 EA 18-7/8" x 13-3/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 830).....	341.80	
12 36 61 16-0014 EA 20" x 13-3/8" x 6-1/4" Depth, Integral Solid Surface Lavatory Sink (Corian 831).....	341.80	
12 36 61 16-0015 EA 19-3/4" x 14-1/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 835).....	341.80	
12 36 61 16-0016 EA 17" x 14" x 6" Depth, Integral Solid Surface Lavatory Sink (Corian 837).....	341.80	
<b>12 36 61 16-0017 Integral Seamless Solid Surface Kitchen Sink</b> <small>(12 36 61 16-0001)</small>		
Note: Includes sink cutout and hard seam of sink to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.		
12 36 61 16-0018 EA Up To 1.5 SF, Single Basin, Integral Solid Surface Kitchen Sink.....	361.77	
12 36 61 16-0019 EA >1.5 To 2.25 SF, Single Basin, Integral Solid Surface Kitchen Sink .....	564.56	
12 36 61 16-0020 EA >2.25 To 3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink .....	726.79	
12 36 61 16-0021 EA >3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink .....	780.09	
12 36 61 16-0022 EA >3.0 SF, Double Basin, Integral Solid Surface Kitchen Sink.....	780.09	
<b>12 36 61 19 Quartz Agglomerate Countertops</b> <small>(12 36 61)</small>		
<b>12 36 61 19-0001 Quartz Agglomerate Countertops</b> <small>(12 36 61 19)</small>		
Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.		
12 36 61 19-0002 SF 3/4" Thick, Quartz Agglomerate Countertop Without Backsplash.....	108.85	23.96
12 36 61 19-0003 SF 1-1/4" Thick, Quartz Agglomerate Countertop Without Backsplash.....	132.87	23.96
12 36 61 19-0004 SF 3/4" Thick, Quartz Agglomerate Countertop With Backsplash.....	121.43	27.89
12 36 61 19-0005 SF 1-1/4" Thick, Quartz Agglomerate Countertop With Backsplash.....	145.44	27.89
12 36 61 19-0006 LF Quartz Agglomerate Countertop End Splash For Quartz Agglomerate Countertops.....	19.58	4.63
12 36 61 19-0007 EA Cutout For Sink And/Or Faucet In Quartz Agglomerate Countertop.....	163.39	

## 12 40 Furnishings and Accessories (12)

<b>12</b>	<b>Furnishings</b>
<b>12 40</b>	<b>Furnishings and Accessories</b>
<b>12 41</b>	<b>Office Accessories</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

## 12 41 Office Accessories (12 40)

### 12 41 11 Office Accessories (12 41)

#### 12 41 11 00-0001 Wall Mounted Office Accessories (12 41 11)

12 41 11 00-0002	EA	Manual Pencil Sharpener, Wall Mounted (Bostitch® BOSMPS1BLK) .....	24.19	3.68
12 41 11 00-0003	EA	Wall Mounted Flag .....	17.78	3.68

#### 12 41 11 00-0004 Desk Edge Mounted Clamps (12 41 11)

12 41 11 00-0005	EA	Aluminum Desk Edge Clamp Mount Bracket For Plexiglass And Acrylic Panels .....	38.86	
Note: Adjustable hand screw mounting to fit 3/4" to 2" desk and table tops, clamp adjusts to support 1/8" to 3/8" thick panels.				
For >10 To 50, Deduct			-9.52	
For >50, Deduct			-15.23	

## 12 48 Rugs and Mats (12 40)

### 12 48 13 Entrance Floor Mats and Frames (12 48)

#### 12 48 13 13 Entrance Floor Mats (12 48 13)

##### 12 48 13 13-0001 Floor Mats (12 48 13 13)

12 48 13 13-0002	SF	3/8" Thick Solid Recessable Floor Mat .....	30.98	2.39
For Colors, Add			5.24	
12 48 13 13-0003	SF	1/2" Thick Solid Recessable Floor Mat .....	39.04	2.39
For Colors, Add			6.85	
12 48 13 13-0004	SF	3/8" Thick Perforated Recessable Floor Mat .....	32.99	2.39
For Colors, Add			5.64	
12 48 13 13-0005	SF	1/2" Thick Perforated Recessable Floor Mat .....	41.06	2.39
For Colors, Add			7.26	

##### 12 48 13 13-0006 Link Mats (12 48 13 13)

Note: Includes nosing.

12 48 13 13-0007	SF	3/8" Link Mats, Aluminum .....	46.00	2.39
12 48 13 13-0008	SF	Black Rubber Link Mats With Galvanized Tie Rods .....	32.50	2.39
12 48 13 13-0009	SF	3/8" Thick, Galvanized Steel Link Mats .....	19.86	2.39
12 48 13 13-0010	SF	Vinyl Link Mats, Color .....	35.49	2.39
12 48 13 13-0011	LF	Rubber Nosing .....	4.55	1.05

##### 12 48 13 13-0012 Duckboard (12 48 13 13)

12 48 13 13-0013	SF	Aluminum Slats .....	66.81	2.83
12 48 13 13-0014	SF	Hardwood Strips On Rubber Base .....	15.00	2.83
12 48 13 13-0015	SF	Assembled With Brass Rods And Vinyl Spacers .....	16.37	2.83
12 48 13 13-0016	SF	Tire Fabric, 3/4" Thick .....	22.44	2.83
12 48 13 13-0017	SF	Vinyl, 36" Wide, Hollow Top And Bottom .....	16.05	2.83
12 48 13 13-0018	SF	Vinyl, 36" Wide, Solid Top And Bottom .....	24.26	2.83

### 12 48 13 16 Entrance Floor Mat Frames (12 48 13)

#### 12 48 13 16-0001 Recessed Frames (12 48 13 16)

12 48 13 16-0002	LF	Aluminum Recessed Embedded Frame .....	28.13	4.36
12 48 13 16-0003	LF	Bronze Recessed Embedded Frame .....	21.64	4.36

## 12 50 Furniture (12)

### 12 56 Institutional Furniture (12 50)

#### 12 56 53 Laboratory Furniture (12 56)

##### 12 56 53 00-0001 Steel Laboratory Furniture (12 56 53)

##### 12 56 53 00-0002 Modular Steel Laboratory Cabinets (12 56 53 00-0001)

##### 12 56 53 00-0003 29-3/8" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets (12 56 53 00-0002)

12 56 53 00-0004	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,127.69	94.15
12 56 53 00-0005	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,125.37	94.15
12 56 53 00-0006	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,230.69	102.76
12 56 53 00-0007	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,168.06	102.76
12 56 53 00-0008	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,389.44	115.95
12 56 53 00-0009	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,433.98	119.76
12 56 53 00-0010	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,581.55	132.07
12 56 53 00-0011	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,642.82	137.20
12 56 53 00-0012	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	1,595.48	133.17
12 56 53 00-0013	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	1,601.06	133.71
12 56 53 00-0014	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	1,692.93	141.34



		<b>Furnishings</b>	<b>12</b>
		Furniture	12 50
		Institutional Furniture	12 56

MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0015	EA 24" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	1,656.70	138.29
12 56 53 00-0016	EA 30" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	2,213.67	184.81
12 56 53 00-0017	EA 36" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	2,255.10	188.31
12 56 53 00-0018	EA 42" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	2,489.27	207.82
12 56 53 00-0019	EA 48" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	2,528.51	211.08
12 56 53 00-0020	EA 18" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet .....	2,316.83	193.42
12 56 53 00-0021	EA 21" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet .....	2,578.27	215.33
12 56 53 00-0022	EA 24" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet .....	2,499.41	215.33
12 56 53 00-0023	EA 15" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	2,341.02	195.07
12 56 53 00-0024	EA 18" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	2,320.15	195.07
12 56 53 00-0025	EA 21" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	2,505.99	209.23
12 56 53 00-0026	EA 24" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	2,487.50	208.90
12 56 53 00-0027	EA 30" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	2,722.55	227.10
12 56 53 00-0028	EA 36" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	2,803.86	234.07
12 56 53 00-0029	EA 42" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	3,068.21	256.09
12 56 53 00-0030	EA 48" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	3,140.34	262.19
12 56 53 00-0031	EA 15" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	2,620.18	218.71
12 56 53 00-0032	EA 18" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	2,464.24	205.74
12 56 53 00-0033	EA 21" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	2,784.43	232.44
12 56 53 00-0034	EA 24" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	2,647.99	221.11
12 56 53 00-0035	EA 15" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,971.17	248.02
12 56 53 00-0036	EA 18" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,971.17	248.02
12 56 53 00-0037	EA 21" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	3,251.91	271.46
12 56 53 00-0038	EA 24" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	3,135.29	261.76
12 56 53 00-0039	EA 30" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	3,642.05	304.04
12 56 53 00-0040	EA 36" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	3,655.97	304.15
12 56 53 00-0041	EA 42" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	3,970.67	331.50
12 56 53 00-0042	EA 48" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	4,009.65	334.76
12 56 53 00-0043	EA 24" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	4,457.91	372.15
12 56 53 00-0044	EA 30" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	4,597.18	383.81
12 56 53 00-0045	EA 36" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	4,355.29	363.59
12 56 53 00-0046	EA 42" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	4,872.65	406.80
12 56 53 00-0047	EA 48" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	4,761.35	397.53
12 56 53 00-0048	EA 15" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	2,116.14	176.65
12 56 53 00-0049	EA 18" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	2,058.15	177.08
12 56 53 00-0050	EA 21" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	2,208.03	184.27
12 56 53 00-0051	EA 24" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	2,150.05	184.27
12 56 53 00-0052	EA 32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet .....	2,965.36	247.59
12 56 53 00-0053	EA 32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet .....	2,564.43	214.02
12 56 53 00-0054	EA 35-1/4" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets (12 56 53 00-0002)		
12 56 53 00-0055	EA 15" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,180.59	98.62
12 56 53 00-0056	EA 18" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,173.63	98.62
12 56 53 00-0057	EA 21" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,247.45	104.18
12 56 53 00-0058	EA 24" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,205.67	100.80
12 56 53 00-0059	EA 30" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,428.41	119.32
12 56 53 00-0060	EA 36" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,498.03	124.77
12 56 53 00-0061	EA 42" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,598.26	133.49
12 56 53 00-0062	EA 48" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,659.52	138.94
12 56 53 00-0063	EA 15" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	1,673.46	139.48
12 56 53 00-0064	EA 18" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	1,673.46	139.48
12 56 53 00-0065	EA 21" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	1,776.46	148.21
12 56 53 00-0066	EA 24" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	1,753.29	150.38
12 56 53 00-0067	EA 30" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	2,319.42	193.42
12 56 53 00-0068	EA 36" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	2,380.68	198.33
12 56 53 00-0069	EA 42" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	2,558.92	213.59
12 56 53 00-0070	EA 48" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	2,617.37	218.49
12 56 53 00-0071	EA 18" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet .....	2,578.40	215.22
12 56 53 00-0072	EA 24" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet .....	2,650.81	221.21
12 56 53 00-0073	EA 18" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	2,828.79	235.92
12 56 53 00-0074	EA 21" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	3,057.01	255.00
12 56 53 00-0075	EA 24" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	3,036.42	255.00
12 56 53 00-0076	EA 15" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	2,781.64	231.56
12 56 53 00-0077	EA 18" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	1,490.84	232.66
12 56 53 00-0078	EA 21" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	2,923.64	244.10
12 56 53 00-0079	EA 24" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	2,874.93	244.10
12 56 53 00-0080	EA 30" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	3,221.56	268.95
12 56 53 00-0081	EA 36" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	3,349.69	279.62
12 56 53 00-0082	EA 42" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	3,557.90	297.06
12 56 53 00-0083	EA 48" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	3,642.05	304.04
12 56 53 00-0084	EA 15" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,965.63	247.37
12 56 53 00-0085	EA 18" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	3,168.61	264.26
12 56 53 00-0086	EA 21" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	3,187.95	265.90
12 56 53 00-0087	EA 24" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	3,310.63	276.25
12 56 53 00-0088	EA 30" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	3,823.02	319.29
12 56 53 00-0089	EA 36" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	3,953.86	330.19
12 56 53 00-0090	EA 42" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	4,151.45	346.53
12 56 53 00-0091	EA 48" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	4,154.47	346.53

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

12 56 53 00-0092	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,644.47	387.95
12 56 53 00-0093	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,683.17	390.67
12 56 53 00-0094	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,778.53	398.84
12 56 53 00-0095	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	5,039.44	421.18
12 56 53 00-0096	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	5,055.70	422.27
12 56 53 00-0097	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	5,129.01	428.15
12 56 53 00-0098	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	5,371.12	448.42
12 56 53 00-0099	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	5,474.09	457.03
12 56 53 00-0100	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	5,613.33	468.59
12 56 53 00-0101	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	5,766.74	481.45
12 56 53 00-0102	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,160.79	180.35
12 56 53 00-0103	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,199.59	183.62
12 56 53 00-0104	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,208.03	184.17
12 56 53 00-0105	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,257.95	188.52
12 56 53 00-0106	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,971.17	248.02
12 56 53 00-0107	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	3,060.29	255.43
12 56 53 00-0108	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	3,277.13	273.63
12 56 53 00-0109	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	3,324.37	277.34
12 56 53 00-0110	EA	32-7/8" Wide x 35-1/4" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet	3,082.71	257.17
12 56 53 00-0111	EA	32-7/8" Wide x 35-1/4" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet	2,860.10	238.65
12 56 53 00-0112	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,517.50	126.73
12 56 53 00-0113	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,537.00	128.26
12 56 53 00-0114	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,601.06	133.49
12 56 53 00-0115	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,606.62	134.04
12 56 53 00-0116	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,102.27	175.56
12 56 53 00-0117	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,149.60	179.48
12 56 53 00-0118	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,291.55	191.25
12 56 53 00-0119	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,299.91	192.01
12 56 53 00-0120	EA	52" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,656.32	221.76
12 56 53 00-0121	EA	58" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,923.64	244.10
12 56 53 00-0122	EA	60" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	3,057.30	255.21

## 12 56 53 00-0123 25-3/16" High x 16" Deep, Modular Steel Laboratory Wall Cabinets (12 56 53 00-0002)

12 56 53 00-0124	EA	15" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,122.12	93.72
12 56 53 00-0125	EA	18" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,158.31	96.66
12 56 53 00-0126	EA	21" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,166.67	97.42
12 56 53 00-0127	EA	24" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,197.31	99.92
12 56 53 00-0128	EA	30" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,253.00	104.62
12 56 53 00-0129	EA	36" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,280.84	106.90
12 56 53 00-0130	EA	42" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,394.99	116.49
12 56 53 00-0131	EA	48" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,411.71	117.80
12 56 53 00-0132	EA	15" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,659.52	138.51
12 56 53 00-0133	EA	18" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,701.28	141.99
12 56 53 00-0134	EA	21" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,740.26	145.26
12 56 53 00-0135	EA	24" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,776.46	148.32
12 56 53 00-0136	EA	30" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,160.74	180.35
12 56 53 00-0137	EA	36" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,188.59	182.75
12 56 53 00-0138	EA	42" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,386.24	199.21
12 56 53 00-0139	EA	48" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,394.60	199.96
12 56 53 00-0140	EA	15" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	1,940.73	162.04
12 56 53 00-0141	EA	18" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,004.78	167.38
12 56 53 00-0142	EA	21" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,038.18	170.11
12 56 53 00-0143	EA	24" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,074.39	173.16
12 56 53 00-0144	EA	30" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,906.95	242.68
12 56 53 00-0145	EA	36" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,965.45	247.59
12 56 53 00-0146	EA	42" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,138.02	261.97
12 56 53 00-0147	EA	48" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,193.74	266.66
12 56 53 00-0148	EA	25-23/32" Wide x 25-3/16" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,656.32	221.76
12 56 53 00-0149	EA	28-23/32" Wide x 25-3/16" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,940.37	245.51
12 56 53 00-0150	EA	36" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,270.63	182.75
12 56 53 00-0151	EA	42" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,475.70	199.21
12 56 53 00-0152	EA	48" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,484.37	199.86
12 56 53 00-0153	EA	30" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,015.92	242.68
12 56 53 00-0154	EA	36" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,076.61	247.59
12 56 53 00-0155	EA	42" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,255.65	261.97

## 12 56 53 00-0156 31" High x 16" Deep, Modular Steel Laboratory Wall Cabinets (12 56 53 00-0002)

12 56 53 00-0157	EA	15" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,225.15	102.43
12 56 53 00-0158	EA	18" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,261.35	105.16
12 56 53 00-0159	EA	21" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,266.91	105.71
12 56 53 00-0160	EA	24" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,280.84	106.79
12 56 53 00-0161	EA	30" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,361.60	113.87
12 56 53 00-0162	EA	36" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,400.57	116.60
12 56 53 00-0163	EA	42" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,662.30	138.94
12 56 53 00-0164	EA	48" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,698.52	141.67
12 56 53 00-0165	EA	15" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,729.15	144.39
12 56 53 00-0166	EA	18" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,773.66	148.21



<b>Furnishings</b>	<b>12</b>
Furniture	12 50
Institutional Furniture	12 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0167 EA 21" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,804.32	150.92
12 56 53 00-0168 EA 24" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,890.64	157.47
12 56 53 00-0169 EA 30" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,336.16	195.07
12 56 53 00-0170 EA 36" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,369.55	197.79
12 56 53 00-0171 EA 42" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,634.03	220.12
12 56 53 00-0172 EA 48" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,686.93	224.48
12 56 53 00-0173 EA 15" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,057.67	171.63
12 56 53 00-0174 EA 18" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,118.97	176.54
12 56 53 00-0175 EA 21" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,149.56	179.26
12 56 53 00-0176 EA 24" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,205.27	184.17
12 56 53 00-0177 EA 30" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,001.62	250.09
12 56 53 00-0178 EA 36" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,087.94	257.72
12 56 53 00-0179 EA 42" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,597.43	300.22
12 56 53 00-0180 EA 48" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,423.37	266.44
12 56 53 00-0181 EA 25-23/32" Wide x 31" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,940.29	245.73
12 56 53 00-0182 EA 25-23/32" Wide x 31" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,500.02	292.59
12 56 53 00-0183 EA 30" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,423.74	195.07
12 56 53 00-0184 EA 36" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,458.37	197.79
12 56 53 00-0185 EA 42" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,732.77	219.91
12 56 53 00-0186 EA 36" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,203.69	257.83

## 12 56 53 00-0187

**Wood Laboratory Furniture** (12 56 53)

Note: Laboratory Grade with chemical resistant finish, premium quality mill-made modular units, prefinished with solid 3/4" hardwood face frames, solid 3/4" hardwood door frames and drawer fronts, hardwood veneer on raised door panels (front and back), glued mortise, dowel, and dado joint construction, full backs, mitered corners and solid wood drawer bodies with steel guides and ball bearings. Includes self-closing hinges, door and drawer pulls, mounting hardware and adjustable shelves.

## 12 56 53 00-0188

**Wood Laboratory Cabinets** (12 56 53 00-0187)

## 12 56 53 00-0189

**28-1/2" High x 21-1/2" Deep, Wood Laboratory Base Cabinets** (12 56 53 00-0188)

12 56 53 00-0190 EA 15" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	523.43	86.09
12 56 53 00-0191 EA 18" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	540.41	88.82
12 56 53 00-0192 EA 21" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	557.37	91.54
12 56 53 00-0193 EA 24" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	574.34	94.81
12 56 53 00-0194 EA 30" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	638.04	105.16
12 56 53 00-0195 EA 36" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	680.48	111.70
12 56 53 00-0196 EA 42" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	711.60	116.60
12 56 53 00-0197 EA 48" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	749.81	123.14
12 56 53 00-0198 EA 15" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	636.62	104.62
12 56 53 00-0199 EA 18" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	659.26	108.42
12 56 53 00-0200 EA 21" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	673.40	110.61
12 56 53 00-0201 EA 24" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	691.77	113.87
12 56 53 00-0202 EA 30" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	889.89	146.02
12 56 53 00-0203 EA 36" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	944.79	155.29
12 56 53 00-0204 EA 42" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	976.14	160.19
12 56 53 00-0205 EA 48" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	1,014.54	166.73
12 56 53 00-0206 EA 15" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet.....	934.96	153.65
12 56 53 00-0207 EA 18" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet.....	967.85	159.10
12 56 53 00-0208 EA 21" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet.....	993.14	163.46
12 56 53 00-0209 EA 24" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet.....	1,027.15	168.37
12 56 53 00-0210 EA 15" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	950.69	155.83
12 56 53 00-0211 EA 18" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	988.89	162.92
12 56 53 00-0212 EA 21" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	1,017.19	167.27
12 56 53 00-0213 EA 24" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	1,049.74	172.72
12 56 53 00-0214 EA 30" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet.....	1,486.92	244.10
12 56 53 00-0215 EA 36" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet.....	1,575.91	258.82
12 56 53 00-0216 EA 42" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet.....	1,608.41	264.26
12 56 53 00-0217 EA 48" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet.....	1,672.15	274.61
12 56 53 00-0218 EA 30" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet.....	1,703.33	279.51
12 56 53 00-0219 EA 36" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet.....	1,782.51	293.14
12 56 53 00-0220 EA 42" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet.....	1,834.76	301.86
12 56 53 00-0221 EA 48" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet.....	1,898.48	312.21
12 56 53 00-0222 EA 15" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet.....	704.50	116.06
12 56 53 00-0223 EA 18" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet.....	729.98	120.42
12 56 53 00-0224 EA 21" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet.....	745.55	122.59
12 56 53 00-0225 EA 24" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet.....	766.77	125.87
12 56 53 00-0226 EA 30" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base.....	1,137.40	186.89
12 56 53 00-0227 EA 36" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base.....	1,189.77	195.50
12 56 53 00-0228 EA 42" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base.....	1,223.70	201.06
12 56 53 00-0229 EA 48" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base.....	1,267.60	208.25
12 56 53 00-0230 EA 35" Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner, Wood Laboratory Base Cabinet.....	1,485.44	244.10
12 56 53 00-0231 EA 35" Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner With Lazy Susan, Wood Laboratory Base Cabinet.....	1,646.65	270.80
12 56 53 00-0232 EA 15" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	580.02	95.35
12 56 53 00-0233 EA 18" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	598.42	98.29
12 56 53 00-0234 EA 21" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	609.73	100.15
12 56 53 00-0235 EA 24" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	623.87	102.54
12 56 53 00-0236 EA 30" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	799.30	131.32
12 56 53 00-0237 EA 36" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	840.31	138.06
12 56 53 00-0238 EA 42" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	864.38	141.99
12 56 53 00-0239 EA 48" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	889.83	146.24

**12 Furnishings**

**12 50 Furniture**

**12 56 Institutional Furniture**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0240			<b>35-3/4" High x 22" Deep, Wood Laboratory Base Cabinets</b> <small>(12 56 53 00-0188)</small>		
12 56 53 00-0241	EA		24" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet .....	917.04	150.66
12 56 53 00-0242	EA		30" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet .....	1,187.41	194.81
12 56 53 00-0243	EA		36" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet .....	1,196.06	196.50
12 56 53 00-0244	EA		48" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet .....	1,379.48	226.64
12 56 53 00-0245	EA		24" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet .....	1,503.34	246.99
12 56 53 00-0246	EA		30" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet .....	1,686.71	277.12
12 56 53 00-0247	EA		36" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet .....	1,804.31	296.44
12 56 53 00-0248	EA		48" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet .....	2,136.62	351.04
12 56 53 00-0249	EA		24" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet .....	1,105.15	181.12
12 56 53 00-0250	EA		30" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet .....	1,522.12	250.07
12 56 53 00-0251	EA		36" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet .....	1,583.27	260.12
12 56 53 00-0252	EA		48" Wide Base Cabinet With Combination Door/Drawer.....	1,769.82	290.77
12 56 53 00-0253			<b>30-5/8" High x 13" Deep, Wood Laboratory Wall Cabinets</b> <small>(12 56 53 00-0188)</small>		
12 56 53 00-0254	EA		15" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	622.47	102.43
			<i>For 36" Height Cabinet, Add</i> .....	77.31	
12 56 53 00-0255	EA		18" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	646.52	105.71
			<i>For 36" Height Cabinet, Add</i> .....	80.30	
12 56 53 00-0256	EA		21" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	663.50	108.97
			<i>For 36" Height Cabinet, Add</i> .....	82.41	
12 56 53 00-0257	EA		24" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	605.49	99.17
			<i>For 36" Height Cabinet, Add</i> .....	75.21	
12 56 53 00-0258	EA		30" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	696.04	114.42
			<i>For 36" Height Cabinet, Add</i> .....	86.45	
12 56 53 00-0259	EA		36" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	754.05	123.68
			<i>For 36" Height Cabinet, Add</i> .....	93.66	
12 56 53 00-0260	EA		42" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	787.99	129.67
			<i>For 36" Height Cabinet, Add</i> .....	97.87	
12 56 53 00-0261	EA		48" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	834.69	136.76
			<i>For 36" Height Cabinet, Add</i> .....	103.67	
12 56 53 00-0262	EA		15" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	683.31	112.24
			<i>For 36" Height Cabinet, Add</i> .....	84.87	
12 56 53 00-0263	EA		18" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	714.43	117.69
			<i>For 36" Height Cabinet, Add</i> .....	88.74	
12 56 53 00-0264	EA		21" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	2,509.02	1,231.40
			<i>For 36" Height Cabinet, Add</i> .....	9.29	
12 56 53 00-0265	EA		24" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	768.18	125.87
			<i>For 36" Height Cabinet, Add</i> .....	95.41	
12 56 53 00-0266	EA		30" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	1,004.46	165.09
			<i>For 36" Height Cabinet, Add</i> .....	124.76	
12 56 53 00-0267	EA		36" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	1,082.26	177.62
			<i>For 36" Height Cabinet, Add</i> .....	134.42	
12 56 53 00-0268	EA		42" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	1,131.76	186.34
			<i>For 36" Height Cabinet, Add</i> .....	140.57	
12 56 53 00-0269	EA		48" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	1,191.16	195.61
			<i>For 36" Height Cabinet, Add</i> .....	147.95	
12 56 53 00-0270	EA		15" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	765.35	125.87
			<i>For 36" Height Cabinet, Add</i> .....	95.06	
12 56 53 00-0271	EA		18" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	795.06	130.77
			<i>For 36" Height Cabinet, Add</i> .....	98.75	
12 56 53 00-0272	EA		21" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	817.69	134.04
			<i>For 36" Height Cabinet, Add</i> .....	101.56	
12 56 53 00-0273	EA		24" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	848.81	139.48
			<i>For 36" Height Cabinet, Add</i> .....	105.43	
12 56 53 00-0274	EA		30" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	1,169.95	192.34
			<i>For 36" Height Cabinet, Add</i> .....	145.32	
12 56 53 00-0275	EA		36" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	1,244.95	204.32
			<i>For 36" Height Cabinet, Add</i> .....	154.63	
12 56 53 00-0276	EA		42" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	1,278.84	210.31
			<i>For 36" Height Cabinet, Add</i> .....	158.84	
12 56 53 00-0277	EA		48" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	1,356.67	222.85
			<i>For 36" Height Cabinet, Add</i> .....	168.51	
12 56 53 00-0278	EA		30" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet .....	1,046.93	171.63
			<i>For 36" Height Cabinet, Add</i> .....	130.03	
12 56 53 00-0279	EA		36" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet .....	1,130.11	185.80
			<i>For 36" Height Cabinet, Add</i> .....	140.40	
12 56 53 00-0280	EA		42" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet .....	1,206.62	198.33
			<i>For 36" Height Cabinet, Add</i> .....	149.88	
12 56 53 00-0281	EA		48" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet .....	1,291.52	212.50
			<i>For 36" Height Cabinet, Add</i> .....	160.43	
12 56 53 00-0282	EA		30" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	1,264.99	207.59
			<i>For 36" Height Cabinet, Add</i> .....	157.09	
12 56 53 00-0283	EA		36" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	1,344.15	220.67
			<i>For 36" Height Cabinet, Add</i> .....	166.93	
12 56 53 00-0284	EA		42" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	1,386.38	227.76
			<i>For 36" Height Cabinet, Add</i> .....	172.20	
12 56 53 00-0285	EA		48" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	1,462.75	240.29
			<i>For 36" Height Cabinet, Add</i> .....	181.69	



<b>Furnishings</b>	<b>12</b>
Furniture	12 50
Institutional Furniture	12 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0286 EA 23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,542.24 191.53	253.37
12 56 53 00-0287 EA 23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,605.59 199.44	264.26
<b>12 56 53 00-0288 30-5/8" High x 16" Deep, Wood Laboratory Wall Cabinets <small>(12 56 53 00-0188)</small></b>		
12 56 53 00-0289 EA 30" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	769.59 95.59	126.41
12 56 53 00-0290 EA 36" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	843.16 104.72	138.40
12 56 53 00-0291 EA 42" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	884.19 109.82	145.48
12 56 53 00-0292 EA 48" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	939.38 116.67	153.65
12 56 53 00-0293 EA 15" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	715.84 88.91	117.69
12 56 53 00-0294 EA 18" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	754.05 93.66	124.23
12 56 53 00-0295 EA 21" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	776.62 96.47	128.04
12 56 53 00-0296 EA 24" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	809.21 100.51	132.40
12 56 53 00-0297 EA 30" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,062.48 131.96	174.36
12 56 53 00-0298 EA 36" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,152.99 143.21	189.06
12 56 53 00-0299 EA 42" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,203.91 149.53	198.33
12 56 53 00-0300 EA 48" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,271.79 157.97	208.68
12 56 53 00-0301 EA 15" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	800.71 99.45	131.86
12 56 53 00-0302 EA 18" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	824.79 102.44	135.67
12 56 53 00-0303 EA 21" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	851.62 105.78	139.48
12 56 53 00-0304 EA 24" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	895.50 111.23	147.12
12 56 53 00-0305 EA 30" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,220.91 151.64	200.51
12 56 53 00-0306 EA 36" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,317.11 163.59	216.32
12 56 53 00-0307 EA 42" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,358.06 168.68	223.40
12 56 53 00-0308 EA 48" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,445.82 179.58	237.57
12 56 53 00-0309 EA 30" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,096.46 136.18	179.81
12 56 53 00-0310 EA 36" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,212.16 150.59	199.42
12 56 53 00-0311 EA 42" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,273.12 158.14	209.23
12 56 53 00-0312 EA 48" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,361.06 169.04	223.94
12 56 53 00-0313 EA 30" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,321.63 164.12	216.86
12 56 53 00-0314 EA 36" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,404.99 174.48	230.48
12 56 53 00-0315 EA 42" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,461.38 181.51	240.29
12 56 53 00-0316 EA 48" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,540.53 191.35	252.81
12 56 53 00-0317 EA 26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,614.37 200.49	265.35
12 56 53 00-0318 EA 26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,666.36 206.99	274.06
<b>12 56 53 00-0319 Wood Laboratory Pegboard <small>(12 56 53 00-0187)</small></b>		
12 56 53 00-0320 EA 3/4" Thick x 32" Long x 29" High Laboratory Pegboard ..... Note: Includes 53 polypropylene pegs, each 1/2" diameter x 4-1/2" long and ribbon sealing putty for wall mounting	1,042.73	175.50
<b>12 56 53 00-0321 Plastic Laminate Laboratory Furniture <small>(12 56 53)</small></b>		
<b>12 56 53 00-0322 Plastic Laminate Laboratory Cabinets <small>(12 56 53 00-0321)</small></b>		
<b>12 56 53 00-0323 28-1/2" High x 22.3" Deep, Plastic Laminate Laboratory Base Cabinet <small>(12 56 53 00-0322)</small></b>		
12 56 53 00-0324 EA 15" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	858.58	85.98
12 56 53 00-0325 EA 18" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	886.43	88.82
12 56 53 00-0326 EA 21" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	914.26	91.54

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

12 56 53 00-0327	EA	24" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	942.10	94.37
12 56 53 00-0328	EA	30" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	1,046.57	104.83
12 56 53 00-0329	EA	36" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	1,116.17	111.81
12 56 53 00-0330	EA	42" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	1,167.23	116.92
12 56 53 00-0331	EA	48" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	1,229.89	123.25
12 56 53 00-0332	EA	15" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,044.24	104.62
12 56 53 00-0333	EA	18" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,081.37	108.32
12 56 53 00-0334	EA	21" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,104.57	110.61
12 56 53 00-0335	EA	24" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,134.71	113.66
12 56 53 00-0336	EA	30" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,459.65	146.24
12 56 53 00-0337	EA	36" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,549.88	155.17
12 56 53 00-0338	EA	42" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,601.15	160.41
12 56 53 00-0339	EA	48" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,664.01	166.73
12 56 53 00-0340	EA	15" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,533.71	153.54
12 56 53 00-0341	EA	18" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,587.43	159.10
12 56 53 00-0342	EA	21" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,629.03	163.24
12 56 53 00-0343	EA	24" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,684.77	168.80
12 56 53 00-0344	EA	15" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,559.40	156.16
12 56 53 00-0345	EA	18" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,622.06	162.48
12 56 53 00-0346	EA	21" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,668.47	167.17
12 56 53 00-0347	EA	24" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,721.85	172.51
12 56 53 00-0348	EA	15" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,251.95	104.62
12 56 53 00-0349	EA	18" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,297.60	108.42
12 56 53 00-0350	EA	21" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,325.33	110.61
12 56 53 00-0351	EA	24" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,361.41	113.87
12 56 53 00-0352	EA	30" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,974.48	197.79
12 56 53 00-0353	EA	36" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	2,120.99	212.50
12 56 53 00-0354	EA	42" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	2,173.78	217.95
12 56 53 00-0355	EA	48" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	2,278.56	228.30
12 56 53 00-0356	EA	15" Wide Cabinet, 1 Drawer Over Cupboard.....	1,155.60	115.73
12 56 53 00-0357	EA	18" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinets.....	1,197.38	119.98
12 56 53 00-0358	EA	21" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	1,222.91	122.48
12 56 53 00-0359	EA	24" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	1,257.73	125.97
12 56 53 00-0360	EA	30" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	1,865.68	186.89
12 56 53 00-0361	EA	36" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	1,951.56	195.50
12 56 53 00-0362	EA	42" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	2,007.23	201.06
12 56 53 00-0363	EA	48" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	2,079.21	208.25
12 56 53 00-0364	EA	22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner, Plastic Laminate Laboratory Base Cabinet.....	2,436.63	244.10
12 56 53 00-0365	EA	22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner With Lazy Susan, Plastic Laminate Laboratory Base Cabinet.....	2,701.02	270.58
12 56 53 00-0366	EA	15" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	951.40	95.35
12 56 53 00-0367	EA	18" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	981.58	98.29
12 56 53 00-0368	EA	21" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,000.13	100.15
12 56 53 00-0369	EA	24" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,023.34	102.54
12 56 53 00-0370	EA	30" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,311.09	131.32
12 56 53 00-0371	EA	36" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,378.37	138.06
12 56 53 00-0372	EA	42" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,417.83	141.99
12 56 53 00-0373	EA	48" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,459.59	146.24

## 12 56 53 00-0374 30.6" High x 12" Deep, Plastic Laminate Laboratory Wall Cabinet (12 56 53 00-0322)

12 56 53 00-0375	EA	15" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,021.03	102.32
		For 36" Height Cabinet, Add	151.05	
12 56 53 00-0376	EA	18" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,060.48	106.25
		For 36" Height Cabinet, Add	156.88	
12 56 53 00-0377	EA	21" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,088.33	108.97
		For 36" Height Cabinet, Add	161.00	
12 56 53 00-0378	EA	24" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	993.18	99.49
		For 36" Height Cabinet, Add	146.93	
12 56 53 00-0379	EA	30" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,141.71	114.42
		For 36" Height Cabinet, Add	168.90	
12 56 53 00-0380	EA	36" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,236.85	123.90
		For 36" Height Cabinet, Add	182.97	
12 56 53 00-0381	EA	42" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,292.53	129.46
		For 36" Height Cabinet, Add	191.21	
12 56 53 00-0382	EA	48" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,369.12	137.20
		For 36" Height Cabinet, Add	202.54	
12 56 53 00-0383	EA	15" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,120.82	112.24
		For 36" Height Cabinet, Add	165.81	
12 56 53 00-0384	EA	18" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,171.87	117.37
		For 36" Height Cabinet, Add	173.36	
12 56 53 00-0385	EA	21" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,556.94	1,229.43
		For 36" Height Cabinet, Add	18.16	
12 56 53 00-0386	EA	24" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,260.04	126.19
		For 36" Height Cabinet, Add	186.41	
12 56 53 00-0387	EA	30" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,647.59	165.09
		For 36" Height Cabinet, Add	243.74	
12 56 53 00-0388	EA	36" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,775.21	177.84
		For 36" Height Cabinet, Add	262.62	
12 56 53 00-0389	EA	42" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,856.42	185.91
		For 36" Height Cabinet, Add	274.63	





<b>Furnishings</b>	<b>12</b>
Furniture	12 50
Institutional Furniture	12 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0390 EA 48" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,953.85 289.05	195.72
12 56 53 00-0391 EA 15" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,255.39 185.72	125.76
12 56 53 00-0392 EA 18" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,304.13 192.93	130.66
12 56 53 00-0393 EA 21" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,341.25 198.42	134.37
12 56 53 00-0394 EA 24" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,392.30 205.97	139.48
12 56 53 00-0395 EA 30" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,919.06 283.90	192.23
12 56 53 00-0396 EA 36" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,042.07 302.10	204.54
12 56 53 00-0397 EA 42" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,097.70 310.33	210.10
12 56 53 00-0398 EA 48" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,225.35 329.21	222.96
12 56 53 00-0399 EA 30" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,717.23 254.03	172.06
12 56 53 00-0400 EA 36" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,853.85 274.29	185.58
12 56 53 00-0401 EA 42" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,979.29 292.83	198.22
12 56 53 00-0402 EA 48" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,118.53 313.42	212.39
12 56 53 00-0403 EA 30" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,074.79 306.90	207.92
12 56 53 00-0404 EA 36" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,204.67 326.13	220.89
12 56 53 00-0405 EA 42" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,274.08 336.42	227.76
12 56 53 00-0406 EA 48" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,399.36 354.96	240.29
<b>12 56 53 00-0407 30.6" High x 16" Deep, Plastic Laminate Laboratory Wall Cabinet (12 56 53 00-0322)</b>		
12 56 53 00-0408 EA 15" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,174.18 173.70	117.58
12 56 53 00-0409 EA 18" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,236.85 182.97	123.90
12 56 53 00-0410 EA 21" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,273.92 188.47	127.61
12 56 53 00-0411 EA 24" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,327.34 196.36	132.95
12 56 53 00-0412 EA 30" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,742.75 257.81	174.57
12 56 53 00-0413 EA 36" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,891.23 279.78	189.51
12 56 53 00-0414 EA 42" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,974.76 292.14	197.79
12 56 53 00-0415 EA 48" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,086.11 308.62	208.90
12 56 53 00-0416 EA 15" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,313.40 194.30	131.53
12 56 53 00-0417 EA 18" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,352.88 200.14	135.57
12 56 53 00-0418 EA 21" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,396.92 206.66	139.92
12 56 53 00-0419 EA 24" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,468.88 217.30	147.12
12 56 53 00-0420 EA 30" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,002.63 296.26	200.62
12 56 53 00-0421 EA 36" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,160.42 319.60	216.42
12 56 53 00-0422 EA 42" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,227.65 329.56	223.06
12 56 53 00-0423 EA 48" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,371.57 350.84	237.57
12 56 53 00-0424 EA 30" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,798.47 266.05	180.13
12 56 53 00-0425 EA 36" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,988.45 294.20	199.09
12 56 53 00-0426 EA 42" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,088.35 308.96	209.12
12 56 53 00-0427 EA 48" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,232.46 330.25	223.72
12 56 53 00-0428 EA 30" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,167.66 320.63	217.29
12 56 53 00-0429 EA 36" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,304.46 340.89	230.91
12 56 53 00-0430 EA 42" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,397.09 354.62	240.06

**12 Furnishings****12 50 Furniture****12 56 Institutional Furniture**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0431 EA 48" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,526.96 373.84	253.15
<b>12 56 89 Cafeteria Furniture (12 56)</b>		
<b>12 56 89 00-0001 Cafeteria Table Wall Pocket Systems (12 56 89)</b>		
12 56 89 00-0002 EA Single Table Pocket System, Against-Wall..... Note: System includes single wall pocket, one table ( Up to 29" H x 30" W x 14' L), and two benches (Up to 17" H x 12" W x 14' L).	11,279.08	518.87
12 56 89 00-0003 EA Double Table Pocket System, Against-Wall..... Note: System includes double wall pocket, two tables (Up to 29" H x 30" W x 14' L), and four benches (Up to 17" H x 12" W x 14' L).	18,600.28	622.64
12 56 89 00-0004 EA Single Table Pocket System, Recessed In Wall..... Note: System includes single wall pocket, one table (Up to 29" H x 30" W x 14' L), and two benches (Up to 17" H x 12" W x 14' L).	11,416.69	726.42
12 56 89 00-0005 EA Double Table Pocket System, Recessed In Wall..... Note: System includes double wall pocket, two tables (Up to 29" H x 30" W x 14' L), and four benches (Up to 17" H x 12" W x 14' L).	18,740.04	830.19
<b>12 59 Systems Furniture (12 50)</b>		
<b>12 59 13 Panel-Hung Component System Furniture (12 59)</b>		
<b>12 59 13 00-0001 Open Office Systems Furniture Components (12 59 13)</b>		
Note: Excludes electrical wire and wiring devices.		
12 59 13 00-0002 EA 34H 24W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	284.28 52.84 57.44 -22.98	21.82
12 59 13 00-0003 EA 34H 30W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	315.95 58.73 63.84 -25.54	24.28
12 59 13 00-0004 EA 34H 36W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	337.83 62.80 68.26 -27.30	25.86
12 59 13 00-0005 EA 34H 48W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	378.55 70.37 76.49 -30.60	29.05
12 59 13 00-0006 EA 42H 24W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	288.80 53.69 58.36 -23.34	22.14
12 59 13 00-0007 EA 42H 30W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	326.49 60.69 65.97 -26.39	25.00
12 59 13 00-0008 EA 42H 36W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	365.70 67.98 73.90 -29.56	28.09
12 59 13 00-0009 EA 42H 48W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	429.82 79.90 86.85 -34.74	32.93
12 59 13 00-0010 EA 62H 12W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	278.23 51.72 56.22 -22.49	21.34
12 59 13 00-0011 EA 62H 24W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	342.34 63.64 69.18 -27.67	26.26
12 59 13 00-0012 EA 62H 36W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	428.32 79.62 86.55 -34.62	32.85
12 59 13 00-0013 EA 62H 48W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	512.74 95.32 103.61 -41.44	39.28
12 59 13 00-0014 EA 34" Draw Rod Panel Connector Hardware.....	15.53	1.19
12 59 13 00-0015 EA 42" Draw Rod Panel Connector Hardware.....	15.53	1.19
12 59 13 00-0016 EA 62" Draw Rod Panel Connector Hardware.....	16.55	1.26
12 59 13 00-0017 EA 34" Two-Way 90 Degree Panel Connector Hardware.....	71.41	5.47
12 59 13 00-0018 EA 42" Two-Way 90 Degree Panel Connector Hardware.....	82.79	6.35
12 59 13 00-0019 EA 62" Two-Way 90 Degree Panel Connector Hardware.....	95.22	7.30
12 59 13 00-0020 EA 34" Three-Way 90 Degree Panel Connector Hardware.....	110.74	8.49
12 59 13 00-0021 EA 42" Three-Way 90 Degree Panel Connector Hardware.....	128.34	9.84
12 59 13 00-0022 EA 62" Three-Way 90 Degree Panel Connector Hardware.....	149.04	11.43
12 59 13 00-0023 EA 34" Four-Way 90 Degree Panel Connector Hardware.....	139.73	10.71



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0024	EA		42" Four-Way 90 Degree Panel Connector Hardware .....	163.52	12.54
12 59 13 00-0025	EA		62" Four-Way 90 Degree Panel Connector Hardware .....	196.65	15.08
12 59 13 00-0026	EA		34" Panel End Cap Hardware .....	23.81	1.83
12 59 13 00-0027	EA		42" Panel End Cap Hardware .....	26.91	2.06
12 59 13 00-0028	EA		62" Panel End Cap Hardware .....	28.98	2.22
12 59 13 00-0029	EA		28" Variable Height Panel End Filler .....	26.26	2.06
			Note: Field cut to appropriate length.		
12 59 13 00-0030	EA		Two-Way Trim Cover For Cable Management Raceway .....	13.51	1.03
12 59 13 00-0031	EA		Three-Way Trim Cover For Cable Management Raceway .....	14.25	1.11
12 59 13 00-0032	EA		Four-Way Trim Cover For Cable Management Raceway .....	16.50	1.26
12 59 13 00-0033	EA		Finished End Trim Cover For Cable Management Raceway .....	13.51	1.03
12 59 13 00-0034	EA		12" Cable Management Raceway Assembly .....	27.76	2.14
			Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0035	EA		24" Cable Management Raceway Assembly .....	31.52	2.38
			Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0036	EA		30" Cable Management Raceway Assembly .....	32.26	2.46
			Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0037	EA		36" Cable Management Raceway Assembly .....	36.02	2.78
			Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0038	EA		48" Cable Management Raceway Assembly .....	40.51	3.09
			Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0039	EA		24" x 36" Radiused Edge Rectangular Hanging Work Surface .....	217.92	16.67
12 59 13 00-0040	EA		30" x 36" Radiused Edge Rectangular Hanging Work Surface .....	268.44	20.55
12 59 13 00-0041	EA		24" x 48" Radiused Edge Rectangular Hanging Work Surface .....	253.36	19.44
12 59 13 00-0042	EA		30" x 48" Radiused Edge Rectangular Hanging Work Surface .....	316.72	24.28
12 59 13 00-0043	EA		24" x 60" Radiused Edge Rectangular Hanging Work Surface .....	319.72	24.52
12 59 13 00-0044	EA		30" x 60" Radiused Edge Rectangular Hanging Work Surface .....	402.68	30.94
12 59 13 00-0045	EA		24" x 72" Radiused Edge Rectangular Hanging Work Surface .....	388.34	29.76
12 59 13 00-0046	EA		30" x 72" Radiused Edge Rectangular Hanging Work Surface .....	487.85	37.37
12 59 13 00-0047	EA		30" x 60" Radiused Edge Table .....	866.63	66.49
12 59 13 00-0048	EA		30" x 72" Radiused Edge Table .....	947.04	72.68
12 59 13 00-0049	EA		14" x 24" Radiused Edge Transaction Surface .....	104.07	8.01
12 59 13 00-0050	EA		14" x 36" Radiused Edge Transaction Surface .....	118.38	9.05
12 59 13 00-0051	EA		14" x 48" Radiused Edge Transaction Surface .....	132.72	10.16
12 59 13 00-0052	EA		14" x 60" Radiused Edge Transaction Surface .....	165.13	12.70
12 59 13 00-0053	EA		14" x 72" Radiused Edge Transaction Surface .....	198.30	15.23
12 59 13 00-0054	EA		14" Right Angle Corner Transaction Surface .....	346.88	26.59
12 59 13 00-0055	EA		Transaction Surface Support .....	27.48	2.10
12 59 13 00-0056	EA		Plastic Pencil Drawer .....	30.13	2.06
12 59 13 00-0057	EA		15-1/2" x 24" Hanging Shelf .....	101.31	7.78
12 59 13 00-0058	EA		15-1/2" x 36" Hanging Shelf .....	110.30	8.41
12 59 13 00-0059	EA		15-1/2" x 48" Hanging Shelf .....	117.81	9.05
12 59 13 00-0060	EA		24" Flipper Door - Top And Front Closure .....	174.82	13.41
			Note: Used with hanging shelf.		
12 59 13 00-0061	EA		36" Flipper Door - Top And Front Closure .....	204.10	15.71
			Note: Used with hanging shelf.		
12 59 13 00-0062	EA		48" Flipper Door - Top And Front Closure .....	234.11	17.93
			Note: Used with hanging shelf.		
12 59 13 00-0063	EA		24" Suspended Lateral File, Lockable .....	602.97	45.98
12 59 13 00-0064	EA		30" Suspended Lateral File, Lockable .....	636.85	48.56
12 59 13 00-0065	EA		36" Suspended Lateral File, Lockable .....	671.97	51.24
12 59 13 00-0066	EA		48" Suspended Lateral File, Lockable .....	734.94	56.04
12 59 13 00-0067	EA		Fully Adjustable Vinyl Keyboard Tray .....	273.15	20.94
12 59 13 00-0068	EA		Palm Rest For Vinyl Keyboard Tray .....	42.76	3.33
12 59 13 00-0069	EA		24" x 36" Radiused Edge Corner Work Surface .....	345.08	26.50
12 59 13 00-0070	EA		File Drawer Organizer .....	111.06	8.49
12 59 13 00-0071	EA		Suspended Lateral File Converter Bracket .....	24.02	1.83
12 59 13 00-0072	EA		Utility Task Light .....	120.06	9.21

**12 59 13 00-0073 Disassemble And Store Systems Furniture Components** (12 59 13)

12 59 13 00-0074	EA		Disassemble And Store 34H 24W Fabric Covered Panel .....	27.27	
12 59 13 00-0075	EA		Disassemble And Store 34H 30W Fabric Covered Panel .....	30.30	
12 59 13 00-0076	EA		Disassemble And Store 34H 36W Fabric Covered Panel .....	32.40	
12 59 13 00-0077	EA		Disassemble And Store 34H 48W Fabric Covered Panel .....	36.30	
12 59 13 00-0078	EA		Disassemble And Store 42H 24W Fabric Covered Panel .....	27.70	
12 59 13 00-0079	EA		Disassemble And Store 42H 30W Fabric Covered Panel .....	31.31	
12 59 13 00-0080	EA		Disassemble And Store 42H 36W Fabric Covered Panel .....	35.08	
12 59 13 00-0081	EA		Disassemble And Store 42H 48W Fabric Covered Panel .....	41.22	
12 59 13 00-0082	EA		Disassemble And Store 62H 12W Fabric Covered Panel .....	26.69	
12 59 13 00-0083	EA		Disassemble And Store 62H 24W Fabric Covered Panel .....	32.84	
12 59 13 00-0084	EA		Disassemble And Store 62H 36W Fabric Covered Panel .....	41.08	
12 59 13 00-0085	EA		Disassemble And Store 62H 48W Fabric Covered Panel .....	49.19	
12 59 13 00-0086	EA		Disassemble And Store 34" Draw Rod Panel Connector Hardware .....	1.49	
12 59 13 00-0087	EA		Disassemble And Store 42" Draw Rod Panel Connector Hardware .....	1.49	
12 59 13 00-0088	EA		Disassemble And Store 62" Draw Rod Panel Connector Hardware .....	1.59	
12 59 13 00-0089	EA		Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware .....	6.85	
12 59 13 00-0090	EA		Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware .....	7.94	
12 59 13 00-0091	EA		Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware .....	9.14	
12 59 13 00-0092	EA		Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware .....	10.62	
12 59 13 00-0093	EA		Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware .....	12.31	
12 59 13 00-0094	EA		Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware .....	14.30	

**12 Furnishings****12 50 Furniture****12 59 Systems Furniture**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

12 59 13 00-0095	EA	Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware	13.40
12 59 13 00-0096	EA	Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware	15.68
12 59 13 00-0097	EA	Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware	18.86
12 59 13 00-0098	EA	Disassemble And Store 34" Panel End Cap Hardware	2.28
12 59 13 00-0099	EA	Disassemble And Store 42" Panel End Cap Hardware	2.58
12 59 13 00-0100	EA	Disassemble And Store 62" Panel End Cap Hardware	2.78
12 59 13 00-0101	EA	Disassemble And Store Variable Height Panel End Filler	2.52
12 59 13 00-0102	EA	Disassemble And Store Two-Way Trim Cover For Cable Management Raceway	1.30
12 59 13 00-0103	EA	Disassemble And Store Three-Way Trim Cover For Cable Management Raceway	1.37
12 59 13 00-0104	EA	Disassemble And Store Four-Way Trim Cover For Cable Management Raceway	1.59
12 59 13 00-0105	EA	Disassemble And Store Finished End Trim Cover For Cable Management Raceway	1.30
12 59 13 00-0106	EA	Disassemble And Store 12" Cable Management Raceway Assembly	2.66
12 59 13 00-0107	EA	Disassemble And Store 24" Cable Management Raceway Assembly	3.02
12 59 13 00-0108	EA	Disassemble And Store 30" Cable Management Raceway Assembly	3.09
12 59 13 00-0109	EA	Disassemble And Store 36" Cable Management Raceway Assembly	3.45
12 59 13 00-0110	EA	Disassemble And Store 48" Cable Management Raceway Assembly	3.89
12 59 13 00-0111	EA	Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface	20.90
12 59 13 00-0112	EA	Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface	25.75
12 59 13 00-0113	EA	Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface	24.31
12 59 13 00-0114	EA	Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface	30.38
12 59 13 00-0115	EA	Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface	30.67
12 59 13 00-0116	EA	Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface	38.62
12 59 13 00-0117	EA	Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface	37.25
12 59 13 00-0118	EA	Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface	46.80
12 59 13 00-0119	EA	Disassemble And Store 30" x 60" Radiused Edge Table	72.27
12 59 13 00-0120	EA	Disassemble And Store 30" x 72" Radiused Edge Table	90.82
12 59 13 00-0121	EA	Disassemble And Store 14" x 24" Radiused Edge Transaction Surface	9.98
12 59 13 00-0122	EA	Disassemble And Store 14" x 36" Radiused Edge Transaction Surface	11.35
12 59 13 00-0123	EA	Disassemble And Store 14" x 48" Radiused Edge Transaction Surface	12.73
12 59 13 00-0124	EA	Disassemble And Store 14" x 60" Radiused Edge Transaction Surface	15.84
12 59 13 00-0125	EA	Disassemble And Store 14" x 72" Radiused Edge Transaction Surface	19.03
12 59 13 00-0126	EA	Disassemble And Store 14" Right Angle Corner Transaction Surface	33.27
12 59 13 00-0127	EA	Disassemble And Store Transaction Surface Support	2.63
12 59 13 00-0128	EA	Disassemble And Store Plastic Pencil Drawer	2.59
12 59 13 00-0129	EA	Disassemble And Store 15-1/2" x 24" Hanging Shelf	9.72
12 59 13 00-0130	EA	Disassemble And Store 15-1/2" x 36" Hanging Shelf	10.58
12 59 13 00-0131	EA	Disassemble And Store 15-1/2" x 48" Hanging Shelf	11.30
12 59 13 00-0132	EA	Disassemble And Store 24" Flipper Door And Shelf	16.77
12 59 13 00-0133	EA	Disassemble And Store 36" Flipper Door And Shelf	19.58
12 59 13 00-0134	EA	Disassemble And Store 48" Flipper Door And Shelf	22.46
12 59 13 00-0135	EA	Disassemble And Store 24" Suspended Lateral File	57.48
12 59 13 00-0136	EA	Disassemble And Store 30" Suspended Lateral File	60.70
12 59 13 00-0137	EA	Disassemble And Store 36" Suspended Lateral File	64.05
12 59 13 00-0138	EA	Disassemble And Store 48" Suspended Lateral File	70.06
12 59 13 00-0139	EA	Disassemble And Store Fully Adjustable Vinyl Keyboard Tray	26.20
12 59 13 00-0140	EA	Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface	33.10
12 59 13 00-0141	EA	Disassemble And Store Utility Task Light	11.52

**12 59 13 00-0142 Reconfigure Systems Furniture Components** (12 59 13)

12 59 13 00-0143	EA	Reconfigure 34H 24W Fabric Covered Panel	29.08
12 59 13 00-0144	EA	Reconfigure 34H 30W Fabric Covered Panel	32.31
12 59 13 00-0145	EA	Reconfigure 34H 36W Fabric Covered Panel	34.55
12 59 13 00-0146	EA	Reconfigure 34H 48W Fabric Covered Panel	38.71
12 59 13 00-0147	EA	Reconfigure 42H 24W Fabric Covered Panel	29.54
12 59 13 00-0148	EA	Reconfigure 42H 30W Fabric Covered Panel	33.39
12 59 13 00-0149	EA	Reconfigure 42H 36W Fabric Covered Panel	37.40
12 59 13 00-0150	EA	Reconfigure 42H 48W Fabric Covered Panel	43.95
12 59 13 00-0151	EA	Reconfigure 62H 12W Fabric Covered Panel	28.45
12 59 13 00-0152	EA	Reconfigure 62H 24W Fabric Covered Panel	35.01
12 59 13 00-0153	EA	Reconfigure 62H 36W Fabric Covered Panel	43.80
12 59 13 00-0154	EA	Reconfigure 62H 48W Fabric Covered Panel	52.44
12 59 13 00-0155	EA	Reconfigure 34" Draw Rod Panel Connector Hardware	1.59
12 59 13 00-0156	EA	Reconfigure 42" Draw Rod Panel Connector Hardware	1.59
12 59 13 00-0157	EA	Reconfigure 62" Draw Rod Panel Connector Hardware	1.70
12 59 13 00-0158	EA	Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware	7.30
12 59 13 00-0159	EA	Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware	8.46
12 59 13 00-0160	EA	Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware	9.74
12 59 13 00-0161	EA	Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware	11.32
12 59 13 00-0162	EA	Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware	13.12
12 59 13 00-0163	EA	Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware	15.24
12 59 13 00-0164	EA	Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware	14.29
12 59 13 00-0165	EA	Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware	16.73
12 59 13 00-0166	EA	Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware	20.11
12 59 13 00-0167	EA	Reconfigure 34" Panel End Cap Hardware	2.43
12 59 13 00-0168	EA	Reconfigure 42" Panel End Cap Hardware	2.75
12 59 13 00-0169	EA	Reconfigure 62" Panel End Cap Hardware	2.96
12 59 13 00-0170	EA	Reconfigure Variable Height Panel End Filler	2.68
12 59 13 00-0171	EA	Reconfigure Two-Way Trim Cover For Cable Management Raceway	1.39
12 59 13 00-0172	EA	Reconfigure Three-Way Trim Cover For Cable Management Raceway	1.46
12 59 13 00-0173	EA	Reconfigure Four-Way Trim Cover For Cable Management Raceway	1.69



<b>Furnishings</b>	<b>12</b>	<b>12</b>
Furniture	12 50	
Systems Furniture	12 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0174 EA Reconfigure Finished End Trim Cover For Cable Management Raceway.....	1.39	
12 59 13 00-0175 EA Reconfigure 12" Cable Management Raceway Assembly.....	2.84	
12 59 13 00-0176 EA Reconfigure 24" Cable Management Raceway Assembly.....	3.22	
12 59 13 00-0177 EA Reconfigure 30" Cable Management Raceway Assembly.....	3.30	
12 59 13 00-0178 EA Reconfigure 36" Cable Management Raceway Assembly.....	3.68	
12 59 13 00-0179 EA Reconfigure 48" Cable Management Raceway Assembly.....	4.15	
12 59 13 00-0180 EA Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	22.29	
12 59 13 00-0181 EA Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	27.45	
12 59 13 00-0182 EA Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	25.91	
12 59 13 00-0183 EA Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	32.39	
12 59 13 00-0184 EA Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	32.70	
12 59 13 00-0185 EA Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	41.18	
12 59 13 00-0186 EA Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	39.72	
12 59 13 00-0187 EA Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	49.89	
12 59 13 00-0188 EA Reconfigure 30" x 60" Radiused Edge Table.....	88.64	
12 59 13 00-0189 EA Reconfigure 30" x 72" Radiused Edge Table.....	96.86	
12 59 13 00-0190 EA Reconfigure 14" x 24" Radiused Edge Transaction Surface.....	10.64	
12 59 13 00-0191 EA Reconfigure 14" x 36" Radiused Edge Transaction Surface.....	12.11	
12 59 13 00-0192 EA Reconfigure 14" x 48" Radiused Edge Transaction Surface.....	13.57	
12 59 13 00-0193 EA Reconfigure 14" x 60" Radiused Edge Transaction Surface.....	16.89	
12 59 13 00-0194 EA Reconfigure 14" x 72" Radiused Edge Transaction Surface.....	20.28	
12 59 13 00-0195 EA Reconfigure 14" Right Angle Corner Transaction Surface.....	35.47	
12 59 13 00-0196 EA Reconfigure Transaction Surface Support.....	2.80	
12 59 13 00-0197 EA Reconfigure 15-1/2" x 24" Hanging Shelf.....	10.36	
12 59 13 00-0198 EA Reconfigure 15-1/2" x 36" Hanging Shelf.....	11.28	
12 59 13 00-0199 EA Reconfigure 15-1/2" x 48" Hanging Shelf.....	12.05	
12 59 13 00-0200 EA Reconfigure 24" Flipper Door And Shelf.....	17.88	
12 59 13 00-0201 EA Reconfigure 36" Flipper Door And Shelf.....	20.87	
12 59 13 00-0202 EA Reconfigure 48" Flipper Door And Shelf.....	23.94	
12 59 13 00-0203 EA Reconfigure 24" Suspended Lateral File.....	61.31	
12 59 13 00-0204 EA Reconfigure 30" Suspended Lateral File.....	64.76	
12 59 13 00-0205 EA Reconfigure 36" Suspended Lateral File.....	68.33	
12 59 13 00-0206 EA Reconfigure 48" Suspended Lateral File.....	74.74	
12 59 13 00-0207 EA Reconfigure 24" x 36" Radiused Edge Corner Work Surface.....	35.29	

## 12 60 Multiple Seating <sup>(12)</sup>

### 12 61 Fixed Audience Seating <sup>(12 60)</sup>

#### 12 61 13 Upholstered Audience Seating <sup>(12 61)</sup>

##### 12 61 13 00-0001 Upholstered Audience Seating <sup>(12 61 13)</sup>

12 61 13 00-0002 EA Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Marquee 51.12.00.4).....	585.38	45.69
Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
For >100 To 249, Deduct	-72.91	
For >249 To 749, Deduct	-87.49	
For >749, Deduct	-97.21	
For Up To 9, Add	792.29	
For >9 To 24, Add	315.95	
For Expansion Anchor Mounting With Anchor Caps, Add	24.67	
For Epoxy Anchor Mounting With Anchor Caps, Add	28.33	
12 61 13 00-0003 EA Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Marquee 51.12.10.4).....	616.83	45.69
Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
For >100 To 249, Deduct	-77.63	
For >249 To 749, Deduct	-93.15	
For >749, Deduct	-103.50	
For Up To 9, Add	791.81	
For >9 To 24, Add	315.69	
For Expansion Anchor Mounting With Anchor Caps, Add	24.67	
For Epoxy Anchor Mounting With Anchor Caps, Add	28.33	
12 61 13 00-0004 EA Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Saturn 22.12.00.4).....	759.53	45.69
Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
For >100 To 249, Deduct	-99.03	
For >249 To 749, Deduct	-118.84	
For >749, Deduct	-132.04	
For Up To 9, Add	792.26	
For >9 To 24, Add	316.91	
For Expansion Anchor Mounting With Anchor Caps, Add	24.67	
For Epoxy Anchor Mounting With Anchor Caps, Add	28.33	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

12 61 13 00-0005	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Saturn 22.12.10.4).....	791.40	45.69
		Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms		
		For >100 To 249, Deduct	-103.81	
		For >249 To 749, Deduct	-124.58	
		For >749, Deduct	-138.42	
		For Up To 9, Add	788.98	
		For >9 To 24, Add	318.36	
		For Expansion Anchor Mounting With Anchor Caps, Add	24.67	
		For Epoxy Anchor Mounting With Anchor Caps, Add	28.33	
12 61 13 00-0006	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Citation 90.12.00.4).....	510.62	45.69
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	-61.70	
		For >249 To 749, Deduct	-74.04	
		For >749, Deduct	-82.26	
		For Up To 9, Add	793.83	
		For >9 To 24, Add	316.71	
		For Expansion Anchor Mounting With Anchor Caps, Add	24.67	
		For Epoxy Anchor Mounting With Anchor Caps, Add	28.33	
12 61 13 00-0007	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Insert Aisle Panel (Irwin Citation 90.12.10.4).....	516.91	45.69
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with laminate insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	-62.64	
		For >249 To 749, Deduct	-75.17	
		For >749, Deduct	-83.52	
		For Up To 9, Add	793.44	
		For >9 To 24, Add	317.38	
		For Expansion Anchor Mounting With Anchor Caps, Add	24.67	
		For Epoxy Anchor Mounting With Anchor Caps, Add	28.33	
12 61 13 00-0008	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Citation 90.12.86.4).....	543.92	45.69
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 86 laminate surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	-66.69	
		For >249 To 749, Deduct	-80.03	
		For >749, Deduct	-88.92	
		For Up To 9, Add	791.41	
		For >9 To 24, Add	315.67	
		For Expansion Anchor Mounting With Anchor Caps, Add	24.67	
		For Epoxy Anchor Mounting With Anchor Caps, Add	28.33	

### 12 61 16 Molded-Plastic Audience Seating (12 61)

#### 12 61 16 00-0001 Molded-Plastic Audience Seating (12 61 16)

12 61 16 00-0002	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating (Irwin Patriot 30.52.00.30).....	384.29	45.69
		Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, open aisle standards, number 30 steel chair platform, floor mount, and polymer arms.		
		For >100 To 249, Deduct	-42.75	
		For >249 To 749, Deduct	-51.30	
		For >749, Deduct	-57.00	
		For Up To 9, Add	780.85	
		For >9 To 24, Add	313.48	
		For Expansion Anchor Mounting With Anchor Caps, Add	24.67	
		For Epoxy Anchor Mounting With Anchor Caps, Add	28.33	
12 61 16 00-0003	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Patriot 30.52.36.30).....	431.81	45.69
		Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, number 36 laminate surfaced aisle panel, number 30 steel chair platform, floor mount, and flat laminate surfaced arms.		
		For >100 To 249, Deduct	-49.88	
		For >249 To 749, Deduct	-59.85	
		For >749, Deduct	-66.50	
		For Up To 9, Add	781.38	
		For >9 To 24, Add	312.55	
		For Expansion Anchor Mounting With Anchor Caps, Add	24.67	
		For Epoxy Anchor Mounting With Anchor Caps, Add	28.33	

### 12 61 19 Plywood/Hardwood Audience Seating (12 61)

#### 12 61 19 00-0001 Plywood/Hardwood Audience Seating (12 61 19)



<b>Furnishings</b>	<b>12</b>
Multiple Seating	12 60
Fixed Audience Seating	12 61

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 61 19 00-0002	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Crusader 1.14.00.4).....	614.97	45.69
		Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, open aisle standards, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		<i>For &gt;100 To 249, Deduct</i>	-77.35	
		<i>For &gt;249 To 749, Deduct</i>	-92.82	
		<i>For &gt;749, Deduct</i>	-103.13	
		<i>For Up To 9, Add</i>	819.90	
		<i>For &gt;9 To 24, Add</i>	330.02	
		<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	24.67	
		<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	28.33	
12 61 19 00-0003	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Surfaced Aisle Panel (Irwin Crusader 1.14.86.4).....	640.48	45.69
		Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, number 86 veneer surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		<i>For &gt;100 To 249, Deduct</i>	-81.18	
		<i>For &gt;249 To 749, Deduct</i>	-97.41	
		<i>For &gt;749, Deduct</i>	-108.23	
		<i>For Up To 9, Add</i>	784.70	
		<i>For &gt;9 To 24, Add</i>	313.88	
		<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	24.67	
		<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	28.33	

**12 61 21 Fixed Audience Seating Accessories** (12 61)

**12 61 21 00-0001 Fixed Audience Seating Accessories** (12 61 21)

12 61 21 00-0002	EA	100 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin) .....	202.50	
		<i>For &gt;100 To 249, Deduct</i>	-28.89	
		<i>For &gt;249 To 749, Deduct</i>	-34.66	
		<i>For &gt;749, Deduct</i>	-38.51	
12 61 21 00-0003	EA	120 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin) .....	206.21	
		<i>For &gt;100 To 249, Deduct</i>	-29.44	
		<i>For &gt;249 To 749, Deduct</i>	-35.33	
		<i>For &gt;749, Deduct</i>	-39.26	
12 61 21 00-0004	EA	151 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin) .....	215.87	
		<i>For &gt;100 To 249, Deduct</i>	-30.89	
		<i>For &gt;249 To 749, Deduct</i>	-37.07	
		<i>For &gt;749, Deduct</i>	-41.19	
12 61 21 00-0005	EA	98 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin) .....	202.50	
		<i>For &gt;100 To 249, Deduct</i>	-28.89	
		<i>For &gt;249 To 749, Deduct</i>	-34.66	
		<i>For &gt;749, Deduct</i>	-38.51	
12 61 21 00-0006	EA	105 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin) .....	216.68	
		<i>For &gt;100 To 249, Deduct</i>	-31.01	
		<i>For &gt;249 To 749, Deduct</i>	-37.22	
		<i>For &gt;749, Deduct</i>	-41.35	
12 61 21 00-0007	EA	Rubber Foot Shrouds For Number 4 Chair Platform (Per Chair), Fixed Audience Seating (Irwin).....	16.60	

**12 62 Portable-Audience Seating** (12 62)

**12 62 23 Portable Bleachers** (12 62)

**12 62 23 00-0001 Metal Bleachers, Outdoor, Portable** (12 62 23)

Note: Average seating is 18".

**12 62 23 00-0002 Non-Elevated Portable Aluminum Bleacher** (12 62 23 00-0001)

12 62 23 00-0003	SEA	2 To 5 Rows, Non Elevated Portable Aluminum Bleacher Price Per Seat.....	114.86	4.14
		<i>For Each "Tip and Roll" Set (Includes Two Fixed Wheels), Add To Total Structure</i>	165.00	
		<i>For Each "Flip and Roll" Set (Includes Four Wheels), Add To Total Structure</i>	335.00	

**12 62 23 00-0004 Non-Elevated Portable Aluminum Bleacher** (12 62 23 00-0001)

Note: Includes side and back fence.

12 62 23 00-0005	SEA	5 Rows, Non Elevated Portable Aluminum Bleacher .....	150.19	4.14
		Note: Including side and back fence.		
		<i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	35.00	
12 62 23 00-0006	SEA	6 To 10 Rows, Non Elevated Portable Aluminum Bleacher .....	171.00	4.34
		Note: Including side and back fence.		
		<i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	35.00	
12 62 23 00-0007	SEA	11 To 15 Rows, Non Elevated Portable Aluminum Bleacher.....	178.52	4.56
		Note: Including side and back fence.		
		<i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	35.00	

**12 62 23 00-0008 Non-Elevated Portable Aluminum Bleacher** (12 62 23 00-0001)

Note: Includes side and back fence and center aisle with rails.

12 62 23 00-0009	SEA	5 Rows, Non Elevated Portable Aluminum Bleacher .....	233.88	4.66
		Note: Including side and back fence and center aisle with hand rails.		
		<i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	35.00	

**12 Furnishings**  
**12 60 Multiple Seating**  
**12 62 Portable-Audience Seating**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 62 23 00-0010	SEA		6 To 10 Rows, Non Elevated Portable Aluminum Bleacher.....	267.18	4.89
			Note: Including side and back fence and center aisle with hand rails.		
			For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	
12 62 23 00-0011	SEA		11 To 15 Rows, Non Elevated Portable Aluminum Bleacher.....	289.71	5.17
			Note: Including side and back fence and center aisle with hand rails.		
			For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	

**12 66 Telescoping Stands** (12 60)

**12 66 13 Telescoping Bleachers** (12 66)

**12 66 13 00-0001 Wall Mounted Telescoping Bleachers** (12 66 13)

Note: Includes column cut-outs, manual operation, 10" plastic seats and cylinder lock. Excludes self storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts. See CSI section 12 66 13 00-0019 for additional optional accessories.

12 66 13 00-0002	SEA		3 To 10 Tier Telescoping Bleacher, 24" Row Spacing.....	207.07	21.25
			For Aluminum Seating And Walks, Add	68.67	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66 13 00-0003	SEA		3 To 10 Tier Telescoping Bleacher, 25" - 26" Row Spacing .....	235.37	27.68
			For Aluminum Seating And Walks, Add	79.43	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66 13 00-0004	SEA		3 To 10 Tier Telescoping Bleacher, 28" - 30" Row Spacing .....	266.30	28.55
			For Aluminum Seating And Walks, Add	91.39	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66 13 00-0005	SEA		3 To 10 Tier Telescoping Bleacher, 31" - 33" Row Spacing .....	289.47	29.21
			For Aluminum Seating And Walks, Add	99.86	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66 13 00-0006	SEA		11 To 20 Tier Telescoping Bleacher, 24" Row Spacing.....	212.76	21.25
			For Aluminum Seating And Walks, Add	71.23	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66 13 00-0007	SEA		11 To 20 Tier Telescoping Bleacher, 25" - 26" Row Spacing .....	246.63	27.68
			For Aluminum Seating And Walks, Add	84.50	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66 13 00-0008	SEA		11 To 20 Tier Telescoping Bleacher, 28" - 30" Row Spacing .....	281.55	28.55
			For Aluminum Seating And Walks, Add	98.25	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	





<b>Furnishings</b>	<b>12</b>
Multiple Seating	12 60
Telescoping Stands	12 66

12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66 13 00-0009 SEA 11 To 20 Tier Telescoping Bleacher, 31" - 33" Row Spacing .....	308.90	29.21
For Aluminum Seating And Walks, Add	108.60	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0010 SEA 21 To 30 Tier Telescoping Bleacher, 22" - 24" Row Spacing .....	218.49	21.25
For Aluminum Seating And Walks, Add	73.80	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0011 SEA 21 To 30 Tier Telescoping Bleacher, 25" - 26" Row Spacing .....	257.88	27.68
For Aluminum Seating And Walks, Add	89.56	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0012 SEA 21 To 30 Tier Telescoping Bleacher, 28" - 30" Row Spacing .....	296.96	28.55
For Aluminum Seating And Walks, Add	105.19	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0013 SEA 21 To 30 Tier Telescoping Bleacher, 31" - 33" Row Spacing .....	353.27	29.21
For Aluminum Seating And Walks, Add	117.29	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
<b>12 66 13 00-0014 Portable Telescoping Bleachers</b> <small>(12 66 13)</small>		
Note: Includes manual operation, 10" plastic seats and cylinder lock. Excludes self storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts.		
12 66 13 00-0015 SEA 3 To 10 Tier Portable Bleacher, 24" Row Spacing.....	229.46	21.25
For Aluminum Seating And Walks, Add	78.74	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0016 SEA 3 To 10 Tier Portable Bleacher, 25" - 26" Row Spacing .....	261.85	27.68
For Aluminum Seating And Walks, Add	91.35	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0017 SEA 3 To 10 Tier Portable Bleacher, 28" - 30" Row Spacing .....	296.77	28.55
For Aluminum Seating And Walks, Add	105.10	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0018 SEA 3 To 10 Tier Portable Bleacher, 31" - 33" Row Spacing .....	322.75	29.21
For Aluminum Seating And Walks, Add	114.83	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	

<b>12</b>	<b>Furnishings</b>
12 60	Multiple Seating
12 66	Telescoping Stands



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66	13 00-0019		<b>Options And Accessories</b> <small>(12 66 13)</small>		
12 66	13 00-0020	EA	Removable Center Railing, Single Sphere.....	158.28	3.82
12 66	13 00-0021	LF	Removable Center Railing, Single Rail.....	55.72	3.82
12 66	13 00-0022	EA	Self Storing Side Railing.....	181.70	4.36
12 66	13 00-0023	LF	Rear Railing, Horizontal Or Vertical Rails.....	126.09	3.83
12 66	13 00-0024	SF	Rear Panel, Plywood With Metal Frame, Trim And Finish.....	12.40	1.09
12 66	13 00-0025	SF	End Panel, Plywood With Metal Frame, Trim And Finish.....	29.20	1.09
12 66	13 00-0026	SF	Rear Filler Panel.....	41.88	0.54
12 66	13 00-0027	EA	4' Scorer/Timer Table.....	338.79	18.52
12 66	13 00-0028	EA	8' Scorer/Timer Table.....	421.72	28.33
12 66	13 00-0029	EA	Portable Tractor For Wall Mounted Units.....	7,710.10	
12 66	13 00-0030	PR	Portable Dolly For Portable Units.....	8,648.39	
12 66	13 00-0031	SEA	For Each Additional Floor Above Or Below First Floor, Add For Installation.....	2.37	
12 66	13 00-0032	SEA	For Each Additional Floor Above Or Below First Floor, Add For Demolition.....	1.18	
12 66	13 00-0033		ROW 48" Aisle, 24" - 26" Row, With Non Slip Tread.....	151.51	32.69
			<i>For Intermediate Steps, Add</i>	15.15	
12 66	13 00-0034		ROW 48" Aisle, 28" - 33" Row, With Non Slip Tread.....	394.92	43.59
			<i>For Intermediate Steps, Add</i>	39.49	
12 66	13 00-0035		ROW Aisle Filler Panel, 24" - 26" Row, With Non Slip Tread.....	117.14	13.63
12 66	13 00-0036		ROW Aisle Filler Panel, 28" - 33" Row, With Non Slip Tread.....	86.48	13.63
12 66	13 00-0037	EA	Single Handicap Cutout Seating With Railing.....	529.69	40.87
12 66	13 00-0038	EA	Double Handicap Cutout Seating With Railing.....	1,079.44	59.93
12 66	13 00-0039	EA	Portable Operator's Handle.....	296.18	

**END OF SECTION 12**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 13 Special Construction

### 13 10 Special Facility Components <sup>(13)</sup>

#### 13 11 Swimming Pools <sup>(13 10)</sup>

##### 13 11 46 Swimming Pool Accessories <sup>(13 11)</sup>

See CSI section 22 51 19 00-0043 for diatomite type filter system.

<b>13 11 46 00-0001 Diving Stand <sup>(13 11 46)</sup></b>			
13 11 46 00-0002	EA	Diving Stand, 3 M Galvanized Steel Swimming Pool Equipment.....28,709.75	2,724.33
13 11 46 00-0003	EA	Diving Stand, 3 M Stainless Steel Swimming Pool Equipment.....36,134.75	2,724.33
13 11 46 00-0004	EA	Diving Stand, 1 M Galvanized Steel Swimming Pool Equipment.....17,092.62	1,089.73
13 11 46 00-0005	EA	Diving Stand, 1 M Stainless Steel Swimming Pool Equipment.....22,564.01	1,089.73
13 11 46 00-0006	EA	Diving Stand, 1/2 M Galvanized Steel With Stainless Steel Rails.....6,289.49	505.64
<b>13 11 46 00-0007 Diving Boards <sup>(13 11 46)</sup></b>			
13 11 46 00-0008	EA	14' Long, Aluminum Diving Boards.....6,655.88	403.20
		<i>For Wheel Adjuster, Add</i>	115.30
13 11 46 00-0009	EA	14' Long, Fiberglass Diving Boards.....4,831.76	403.20
		<i>For Wheel Adjuster, Add</i>	115.30
13 11 46 00-0010	EA	8' Long, Fiberglass Diving Board.....2,663.65	334.55
		<i>For Wheel Adjuster, Add</i>	107.67
13 11 46 00-0011	EA	10' Long, Fiberglass Diving Board.....3,496.09	357.43
		<i>For Wheel Adjuster, Add</i>	110.20
13 11 46 00-0012	EA	12' Long, Fiberglass Diving Board.....4,310.38	381.41
		<i>For Wheel Adjuster, Add</i>	112.84
<b>13 11 46 00-0013 Heavy Duty Ladders <sup>(13 11 46)</sup></b>			
13 11 46 00-0014	EA	Ladders, 2 Tread, Galvanized Steel Swimming Pool Equipment.....1,544.33	155.83
13 11 46 00-0015	EA	Ladders, 2 Tread, Stainless Steel Swimming Pool Equipment.....2,587.51	155.83
13 11 46 00-0016	EA	Ladders, 4 Tread, Galvanized Steel Swimming Pool Equipment.....1,772.36	179.81
13 11 46 00-0017	EA	Ladders, 4 Tread, Stainless Steel Swimming Pool Equipment.....3,187.43	179.81
<b>13 11 46 00-0018 Lifeguard Chair <sup>(13 11 46)</sup></b>			
13 11 46 00-0019	EA	Lifeguard Chair, Galvanized Swimming Pool Equipment.....3,983.60	403.20
13 11 46 00-0020	EA	Lifeguard Chair, Stainless Steel Swimming Pool Equipment.....5,816.76	403.20
<b>13 11 46 00-0021 Underwater Lights <sup>(13 11 46)</sup></b>			
13 11 46 00-0022	EA	Lights, Underwater, 12 Volt, With Transformer Swimming Pool Equipment.....413.03	120.30
13 11 46 00-0023	EA	Lights, Underwater, 110 Volt, Swimming Pool Equipment.....405.11	120.30
<b>13 11 46 00-0024 Pool Covers <sup>(13 11 46)</sup></b>			
		Note: Includes cover straps and tension springs.	
13 11 46 00-0025	SF	Pool Covers, Reinforced Polyethylene.....13.30	5.55
13 11 46 00-0026	SF	Pool Cover, Vinyl Water Tube.....13.09	5.55
<b>13 11 46 00-0027 Slides With Water Tube <sup>(13 11 46)</sup></b>			
13 11 46 00-0028	EA	5' Straight, Fiberglass Pool Slide.....5,002.30	612.97
<b>13 11 46 00-0029 Curved Slides With Water Tube <sup>(13 11 46)</sup></b>			
13 11 46 00-0030	EA	8' Curved Fiberglass Pool Slide With Continuous Flowing Water.....9,662.14	833.97

#### 13 12 Fountains <sup>(13 10)</sup>

##### 13 12 13 Exterior Fountains <sup>(13 12)</sup>

##### 13 12 13 00-0001 Fountains/Aerators <sup>(13 12 13)</sup>

13 12 13 00-0002	EA	1/2 HP Pump, Single Phase With 100' Cord.....2,299.34	152.44
13 12 13 00-0003	EA	3/4 HP Pump, Single Phase With 100' Cord.....2,544.56	155.79
13 12 13 00-0004	EA	1 HP Pump, Single Phase With 100' Cord.....2,577.62	159.56
13 12 13 00-0005	EA	1-1/2 HP Pump, Single Phase With 100' Cord.....2,705.49	163.33
13 12 13 00-0006	EA	2 HP Pump, Single Phase With 100' Cord.....2,834.35	167.52
13 12 13 00-0007	EA	5 HP Pump, Three Phase With 200' Cord.....6,112.91	171.70
13 12 13 00-0008	EA	7-1/2 HP Pump, Three Phase With 200' Cord.....7,000.71	176.31
13 12 13 00-0009	EA	10 HP Pump, Three Phase With 200' Cord.....7,770.11	180.92
13 12 13 00-0010	EA	15 HP Pump, Three Phase With 200' Cord.....9,842.98	185.95
13 12 13 00-0011	EA	Aerator Nozzle.....782.63	83.75

13	<b>13 Special Construction</b>
	<b>13 20 Special Purpose Rooms</b>
	<b>13 12 Fountains</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 20 Special Purpose Rooms <sup>(13)</sup>

13 21 Controlled Environment Rooms <sup>(13 20)</sup>

13 21 26 Cold Storage Rooms <sup>(13 21)</sup>

13 21 26 13 Walk-in Coolers <sup>(13 21 26)</sup>

See CSI section 11 41 23 00-0000 for walk-in coolers.

13 30 Special Structures <sup>(13)</sup>

13 34 Fabricated Engineered Structures <sup>(13 30)</sup>

13 34 16 Grandstands and Bleachers <sup>(13 34)</sup>

13 34 16 13 Grandstands <sup>(13 34 16)</sup>

13 34 16 13-0001 Permanent Grandstands, Wood Seat, Steel Frame <sup>(13 34 16 13)</sup>

13 34 16 13-0002 3 To 15 Tiers <sup>(13 34 16 13-0001)</sup>

13 34 16 13-0003	SEA 3-15 Tier Permanent Grandstand Price Per Seat .....	73.55	8.27
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13 34 16 13-0004 16 To 30 Tiers <sup>(13 34 16 13-0001)</sup>

13 34 16 13-0005	SEA 16-30 Tier Permanent Grandstand Price Per Seat .....	110.56	9.31
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13 34 19 Metal Building Systems <sup>(13 34)</sup>

Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.

13 34 19 00-0001 Pre-Engineered Metal Buildings <sup>(13 34 19)</sup>

Note: Free standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations, slab and anchor bolts embedded in concrete. See CSI section 03 15 19 00-0001 for cast in concrete anchors, 03 31 13 00-0001 for concrete slab, 03 31 13 00-0010 for concrete foundations, 13 34 19 00-0109 for metal building options.

13 34 19 00-0002 Clear Span Rigid Frame Pre-Engineered Metal Buildings <sup>(13 34 19 00-0001)</sup>

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0003 20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings <sup>(13 34 19 00-0002)</sup>

13 34 19 00-0004	GSF 10' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	31.21	7.25
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For 30' To 49' In Length Only, Add	3.53
For 50' To 69' In Length Only, Add	1.93
For 70' To 99' In Length Only, Add	0.79
For >1 In 12 Slope To 3 In 12 Slope, Add	0.94
For >3 In 12 Slope To 5 In 12 Slope, Add	1.56
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.34
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.04
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.75
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.93
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.49
For Single Slope Frame Roof, Add	2.21
For Each SF Of 24 Gauge Wall Panel, Add	0.93
For Each SF Of Lap Roof, Deduct	-0.76
For Each SF Of Hip Roof, Add	1.01
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97

13 34 19 00-0005	GSF 12' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	33.28	7.97
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For 30' To 49' In Length Only, Add	3.64
For 50' To 69' In Length Only, Add	1.98
For 70' To 99' In Length Only, Add	0.82
For >1 In 12 Slope To 3 In 12 Slope, Add	1.00
For >3 In 12 Slope To 5 In 12 Slope, Add	1.66
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.50
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.24
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.99
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.32
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.99
For Single Slope Frame Roof, Add	2.27
For Each SF Of 24 Gauge Wall Panel, Add	0.98
For Each SF Of Lap Roof, Deduct	-0.76
For Each SF Of Hip Roof, Add	1.10
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0006 GSF 14' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	35.58	8.80
For 30' To 49' In Length Only, Add	3.74	
For 50' To 69' In Length Only, Add	2.04	
For 70' To 99' In Length Only, Add	0.84	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.07	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.78	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.67	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.47	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.27	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.76	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.54	
For Single Slope Frame Roof, Add	2.34	
For Each SF Of 24 Gauge Wall Panel, Add	1.05	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.20	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0007 GSF 16' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	38.18	9.63
For 30' To 49' In Length Only, Add	3.91	
For 50' To 69' In Length Only, Add	2.14	
For 70' To 99' In Length Only, Add	0.88	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.15	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.91	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.86	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.72	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.58	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.25	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.16	
For Single Slope Frame Roof, Add	2.45	
For Each SF Of 24 Gauge Wall Panel, Add	1.12	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.30	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0008 GSF 18' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	40.89	10.45
For 30' To 49' In Length Only, Add	4.11	
For 50' To 69' In Length Only, Add	2.24	
For 70' To 99' In Length Only, Add	0.93	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.23	
For >3 In 12 Slope To 5 In 12 Slope, Add	2.04	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.07	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.99	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.91	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.77	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.81	
For Single Slope Frame Roof, Add	2.57	
For Each SF Of 24 Gauge Wall Panel, Add	1.19	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.41	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0009 GSF 20' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	45.27	11.22
For 30' To 49' In Length Only, Add	4.74	
For 50' To 69' In Length Only, Add	2.59	
For 70' To 99' In Length Only, Add	1.07	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.36	
For >3 In 12 Slope To 5 In 12 Slope, Add	2.26	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.40	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	4.41	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.43	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	8.60	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	10.86	
For Single Slope Frame Roof, Add	2.96	
For Each SF Of 24 Gauge Wall Panel, Add	1.33	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.50	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0010 GSF 24' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	50.62	12.86
For 30' To 49' In Length Only, Add	5.16	
For 50' To 69' In Length Only, Add	2.82	
For 70' To 99' In Length Only, Add	1.16	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.52	
For >3 In 12 Slope To 5 In 12 Slope, Add	2.53	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.80	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	4.94	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.07	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	9.62	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	12.15	
For Single Slope Frame Roof, Add	3.22	
For Each SF Of 24 Gauge Wall Panel, Add	1.48	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.70	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0011	>30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings (13 34 19 00-0002)		
13 34 19 00-0012	GSF 10' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	26.86	5.78
	For 30' To 49' In Length Only, Add	3.30	
	For 50' To 69' In Length Only, Add	1.80	
	For 70' To 99' In Length Only, Add	0.74	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.81	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.34	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.01	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.62	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.22	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.10	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.45	
	For Single Slope Frame Roof, Add	2.06	
	For Each SF Of 24 Gauge Wall Panel, Add	0.81	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.82	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0013	GSF 12' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	28.52	6.30
	For 30' To 49' In Length Only, Add	3.39	
	For 50' To 69' In Length Only, Add	1.85	
	For 70' To 99' In Length Only, Add	0.76	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.86	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.43	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.14	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.78	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.42	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.42	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.84	
	For Single Slope Frame Roof, Add	2.12	
	For Each SF Of 24 Gauge Wall Panel, Add	0.85	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.89	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0014	GSF 14' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	29.94	6.82
	For 30' To 49' In Length Only, Add	3.47	
	For 50' To 69' In Length Only, Add	1.89	
	For 70' To 99' In Length Only, Add	0.78	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.90	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.50	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.25	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.92	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.59	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.69	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.19	
	For Single Slope Frame Roof, Add	2.17	
	For Each SF Of 24 Gauge Wall Panel, Add	0.89	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.95	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0015	GSF 16' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	32.07	7.42
	For 30' To 49' In Length Only, Add	3.65	
	For 50' To 69' In Length Only, Add	1.99	
	For 70' To 99' In Length Only, Add	0.82	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.96	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.60	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.41	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.13	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.85	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.09	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.70	
	For Single Slope Frame Roof, Add	2.28	
	For Each SF Of 24 Gauge Wall Panel, Add	0.95	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.03	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0016	GSF 18' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	34.80	7.97
	For 30' To 49' In Length Only, Add	4.00	
	For 50' To 69' In Length Only, Add	2.18	
	For 70' To 99' In Length Only, Add	0.90	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.04	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.74	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.61	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.39	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.18	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.61	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.35	
	For Single Slope Frame Roof, Add	2.50	
	For Each SF Of 24 Gauge Wall Panel, Add	1.04	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.10	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0017 GSF 20' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	37.23	8.53
For 30' To 49' In Length Only, Add	4.25	
For 50' To 69' In Length Only, Add	2.32	
For 70' To 99' In Length Only, Add	0.96	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.12	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.86	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.79	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.63	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.47	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.07	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.94	
For Single Slope Frame Roof, Add	2.66	
For Each SF Of 24 Gauge Wall Panel, Add	1.11	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.17	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0018 GSF 24' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	40.60	9.63
For 30' To 49' In Length Only, Add	4.49	
For 50' To 69' In Length Only, Add	2.45	
For 70' To 99' In Length Only, Add	1.01	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.22	
For >3 In 12 Slope To 5 In 12 Slope, Add	2.03	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.05	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.96	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.87	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.71	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.74	
For Single Slope Frame Roof, Add	2.81	
For Each SF Of 24 Gauge Wall Panel, Add	1.20	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.30	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
<b>13 34 19 00-0019 &gt;50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings</b>		
<small>(13 34 19 00-0002)</small>		
13 34 19 00-0020 GSF 10' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	21.13	4.02
For 30' To 49' In Length Only, Add	2.88	
For 50' To 69' In Length Only, Add	1.57	
For 70' To 99' In Length Only, Add	0.65	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.63	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.06	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.58	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.06	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.54	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.01	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.07	
For Single Slope Frame Roof, Add	1.80	
For Each SF Of 24 Gauge Wall Panel, Add	0.65	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.60	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0021 GSF 12' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	21.98	4.22
For 30' To 49' In Length Only, Add	2.97	
For 50' To 69' In Length Only, Add	1.62	
For 70' To 99' In Length Only, Add	0.67	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.66	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.10	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.65	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.14	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.64	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.18	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.28	
For Single Slope Frame Roof, Add	1.86	
For Each SF Of 24 Gauge Wall Panel, Add	0.67	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.63	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0022	GSF	14' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding .....	22.80	4.42
			For 30' To 49' In Length Only, Add	3.06	
			For 50' To 69' In Length Only, Add	1.67	
			For 70' To 99' In Length Only, Add	0.69	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.68	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.14	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.71	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.22	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.74	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.33	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.47	
			For Single Slope Frame Roof, Add	1.91	
			For Each SF Of 24 Gauge Wall Panel, Add	0.70	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.65	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0023	GSF	16' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding .....	25.11	5.11
			For 30' To 49' In Length Only, Add	3.24	
			For 50' To 69' In Length Only, Add	1.77	
			For 70' To 99' In Length Only, Add	0.73	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.75	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.26	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.88	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.45	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.01	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.77	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.03	
			For Single Slope Frame Roof, Add	2.02	
			For Each SF Of 24 Gauge Wall Panel, Add	0.76	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.74	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0024	GSF	18' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding .....	26.90	5.69
			For 30' To 49' In Length Only, Add	3.35	
			For 50' To 69' In Length Only, Add	1.83	
			For 70' To 99' In Length Only, Add	0.75	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.81	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.35	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.02	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.62	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.23	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.11	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.46	
			For Single Slope Frame Roof, Add	2.09	
			For Each SF Of 24 Gauge Wall Panel, Add	0.81	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.81	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0025	GSF	20' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding .....	28.59	6.27
			For 30' To 49' In Length Only, Add	3.44	
			For 50' To 69' In Length Only, Add	1.88	
			For 70' To 99' In Length Only, Add	0.77	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.86	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.43	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.14	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.79	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.43	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.43	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.86	
			For Single Slope Frame Roof, Add	2.15	
			For Each SF Of 24 Gauge Wall Panel, Add	0.86	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.88	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0026	GSF	24' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding .....	31.82	7.10
			For 30' To 49' In Length Only, Add	3.77	
			For 50' To 69' In Length Only, Add	2.06	
			For 70' To 99' In Length Only, Add	0.85	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.95	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.59	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.39	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.10	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.82	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.05	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.64	
			For Single Slope Frame Roof, Add	2.35	
			For Each SF Of 24 Gauge Wall Panel, Add	0.95	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.99	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	





	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0027	<b>Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings</b> <small>(13 34 19 00-0001)</small> Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0028	<b>20' To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings</b> <small>(13 34 19 00-0027)</small>		
13 34 19 00-0029	GSF 10' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	27.30	5.78
	For 30' To 49' In Length Only, Add	3.40	
	For 50' To 69' In Length Only, Add	1.86	
	For 70' To 99' In Length Only, Add	0.77	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.82	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.37	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.05	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.66	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.28	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.19	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.55	
	For Each SF Of 24 Gauge Wall Panel, Add	0.82	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.82	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0030	GSF 12' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	29.28	6.30
	For 30' To 49' In Length Only, Add	3.59	
	For 50' To 69' In Length Only, Add	1.96	
	For 70' To 99' In Length Only, Add	0.81	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.88	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.46	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.20	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.85	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.51	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.56	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.03	
	For Each SF Of 24 Gauge Wall Panel, Add	0.88	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.89	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0031	GSF 14' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	31.21	6.82
	For 30' To 49' In Length Only, Add	3.77	
	For 50' To 69' In Length Only, Add	2.06	
	For 70' To 99' In Length Only, Add	0.85	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.94	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.56	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.34	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.04	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.75	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.93	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.49	
	For Each SF Of 24 Gauge Wall Panel, Add	0.94	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.95	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0032	GSF 16' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	33.76	7.42
	For 30' To 49' In Length Only, Add	4.05	
	For 50' To 69' In Length Only, Add	2.21	
	For 70' To 99' In Length Only, Add	0.91	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.01	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.69	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.53	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.29	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.05	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.41	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.10	
	For Each SF Of 24 Gauge Wall Panel, Add	1.01	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.03	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0033	GSF 18' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	35.97	8.00
	For 30' To 49' In Length Only, Add	4.27	
	For 50' To 69' In Length Only, Add	2.33	
	For 70' To 99' In Length Only, Add	0.96	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.08	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.80	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.70	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.51	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.32	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.83	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.63	
	For Each SF Of 24 Gauge Wall Panel, Add	1.08	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.10	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

13 34 19 00-0034	GSF 20' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	38.17	8.58
	For 30' To 49' In Length Only, Add	4.48	
	For 50' To 69' In Length Only, Add	2.44	
	For 70' To 99' In Length Only, Add	1.01	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.15	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.91	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.86	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.72	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.58	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.25	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.16	
	For Each SF Of 24 Gauge Wall Panel, Add	1.14	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.17	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0035	GSF 24' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	42.68	9.79
	For 30' To 49' In Length Only, Add	4.90	
	For 50' To 69' In Length Only, Add	2.68	
	For 70' To 99' In Length Only, Add	1.10	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.28	
	For >3 In 12 Slope To 5 In 12 Slope, Add	2.13	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.20	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	4.16	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.12	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	8.11	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	10.24	
	For Each SF Of 24 Gauge Wall Panel, Add	1.27	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.32	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0036	>30' To 50' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)		
13 34 19 00-0037	GSF 10' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	24.65	5.11
	For 30' To 49' In Length Only, Add	3.12	
	For 50' To 69' In Length Only, Add	1.71	
	For 70' To 99' In Length Only, Add	0.70	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.74	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.23	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.85	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.40	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.96	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.68	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.92	
	For Each SF Of 24 Gauge Wall Panel, Add	0.75	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.74	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0038	GSF 12' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	26.25	5.59
	For 30' To 49' In Length Only, Add	3.25	
	For 50' To 69' In Length Only, Add	1.78	
	For 70' To 99' In Length Only, Add	0.73	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.79	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.31	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.97	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.56	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.15	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.99	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.30	
	For Each SF Of 24 Gauge Wall Panel, Add	0.79	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.80	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0039	GSF 14' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	27.84	6.05
	For 30' To 49' In Length Only, Add	3.38	
	For 50' To 69' In Length Only, Add	1.84	
	For 70' To 99' In Length Only, Add	0.76	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.84	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.39	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.09	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.71	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.34	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.29	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.68	
	For Each SF Of 24 Gauge Wall Panel, Add	0.84	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.86	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0040 GSF 16' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	29.59	6.49
For 30' To 49' In Length Only, Add	3.56	
For 50' To 69' In Length Only, Add	1.94	
For 70' To 99' In Length Only, Add	0.80	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.89	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.48	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.22	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.89	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.55	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.62	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.10	
For Each SF Of 24 Gauge Wall Panel, Add	0.89	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.91	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0041 GSF 18' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	31.33	6.96
For 30' To 49' In Length Only, Add	3.72	
For 50' To 69' In Length Only, Add	2.03	
For 70' To 99' In Length Only, Add	0.84	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.94	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.57	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.35	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.05	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.76	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.95	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.52	
For Each SF Of 24 Gauge Wall Panel, Add	0.94	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.97	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0042 GSF 20' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	33.07	7.42
For 30' To 49' In Length Only, Add	3.89	
For 50' To 69' In Length Only, Add	2.12	
For 70' To 99' In Length Only, Add	0.87	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.99	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.65	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.48	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.22	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.97	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.28	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.94	
For Each SF Of 24 Gauge Wall Panel, Add	0.99	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.03	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0043 GSF 24' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	36.98	8.47
For 30' To 49' In Length Only, Add	4.25	
For 50' To 69' In Length Only, Add	2.32	
For 70' To 99' In Length Only, Add	0.96	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.11	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.85	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.77	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.61	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.44	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.03	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.88	
For Each SF Of 24 Gauge Wall Panel, Add	1.10	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.16	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
<b>13 34 19 00-0044 &gt;50' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)</b>		
13 34 19 00-0045 GSF 10' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	21.55	4.02
For 30' To 49' In Length Only, Add	2.98	
For 50' To 69' In Length Only, Add	1.63	
For 70' To 99' In Length Only, Add	0.67	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.65	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.08	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.62	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.10	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.59	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.09	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.17	
For Each SF Of 24 Gauge Wall Panel, Add	0.66	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.60	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0046	GSF	12' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	22.70	4.29
			For 30' To 49' In Length Only, Add	3.11	
			For 50' To 69' In Length Only, Add	1.70	
			For 70' To 99' In Length Only, Add	0.70	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.68	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.14	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.70	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.21	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.72	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.31	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.45	
			For Each SF Of 24 Gauge Wall Panel, Add	0.70	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.64	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0047	GSF	14' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	23.81	4.56
			For 30' To 49' In Length Only, Add	3.22	
			For 50' To 69' In Length Only, Add	1.76	
			For 70' To 99' In Length Only, Add	0.73	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.71	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.19	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.79	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.32	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.86	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.52	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.71	
			For Each SF Of 24 Gauge Wall Panel, Add	0.73	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.67	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0048	GSF	16' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	25.02	4.84
			For 30' To 49' In Length Only, Add	3.36	
			For 50' To 69' In Length Only, Add	1.84	
			For 70' To 99' In Length Only, Add	0.76	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.75	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.25	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.88	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.44	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.00	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.75	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.00	
			For Each SF Of 24 Gauge Wall Panel, Add	0.77	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.71	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0049	GSF	18' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	26.54	5.17
			For 30' To 49' In Length Only, Add	3.55	
			For 50' To 69' In Length Only, Add	1.94	
			For 70' To 99' In Length Only, Add	0.80	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.80	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.33	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.99	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.59	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.18	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.04	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.37	
			For Each SF Of 24 Gauge Wall Panel, Add	0.81	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.75	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0050	GSF	20' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	27.95	5.45
			For 30' To 49' In Length Only, Add	3.74	
			For 50' To 69' In Length Only, Add	2.04	
			For 70' To 99' In Length Only, Add	0.84	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.84	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.40	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.10	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.73	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.35	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.31	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.71	
			For Each SF Of 24 Gauge Wall Panel, Add	0.85	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.78	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0051 GSF 24' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	31.14	6.19
<i>For 30' To 49' In Length Only, Add</i>	4.10	
<i>For 50' To 69' In Length Only, Add</i>	2.24	
<i>For 70' To 99' In Length Only, Add</i>	0.92	
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.93	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	1.56	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.34	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	3.04	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.74	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	5.92	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	7.47	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.95	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.87	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
 13 34 19 00-0052 <b>Single Post 2-Span Frame Pre-Engineered Metal Buildings</b> <small>(13 34 19 00-0001)</small>		
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0053 <b>Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings</b>		
<small>(13 34 19 00-0052)</small>		
13 34 19 00-0054 GSF 14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	22.39	4.73
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.67	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	1.12	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.68	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.18	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.69	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.25	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.37	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.68	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.69	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0055 GSF 16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	23.89	5.06
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.72	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	1.19	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.79	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.33	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.87	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.54	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.73	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.72	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.73	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0056 GSF 18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	25.08	5.34
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.75	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	1.25	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.88	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.45	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.01	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.77	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.02	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.76	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.77	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0057 GSF 20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	26.25	5.61
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.79	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	1.31	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.97	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.56	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.15	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.99	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.30	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.79	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.80	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0058 GSF 24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	28.43	6.10
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.85	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	1.42	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.13	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.77	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.41	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	5.40	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.82	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.86	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.86	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
 13 34 19 00-0059 <b>&gt;60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings</b> <small>(13 34 19 00-0052)</small>		

**13 Special Construction**

**13 30 Special Structures**

**13 34 Fabricated Engineered Structures**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0060	GSF	14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	20.82	4.18
			<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.62	
			<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	1.04	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.56	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.03	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.50	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.96	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.00	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.63	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.62	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0061	GSF	16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	22.15	4.45
			<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.66	
			<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	1.11	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.66	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.16	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.66	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.21	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.32	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.67	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.66	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0062	GSF	18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	23.35	4.73
			<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.70	
			<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	1.17	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.75	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.28	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.80	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.44	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.60	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.71	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.69	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0063	GSF	20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	24.39	4.95
			<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.73	
			<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	1.22	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.83	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.38	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.93	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.63	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.85	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.74	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.72	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0064	GSF	24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	26.39	5.39
			<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.79	
			<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	1.32	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.98	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.57	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.17	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	5.01	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.33	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.80	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.77	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0065		<b>&gt;80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings</b> (13 34 19 00-0052)		
13 34	19 00-0066	GSF	14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	19.37	3.69
			<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.58	
			<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.97	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.45	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.89	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.32	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.68	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.65	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.59	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.56	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0067 GSF 16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	20.31	3.85
For >1 In 12 Slope To 3 In 12 Slope, Add	0.61	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.02	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.52	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.98	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.44	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.86	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.87	
For Each SF Of 24 Gauge Wall Panel, Add	0.62	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.58	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0068 GSF 18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	21.37	4.06
For >1 In 12 Slope To 3 In 12 Slope, Add	0.64	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.07	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.60	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.08	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.56	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.06	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.13	
For Each SF Of 24 Gauge Wall Panel, Add	0.66	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.61	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0069 GSF 20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	22.28	4.23
For >1 In 12 Slope To 3 In 12 Slope, Add	0.67	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.11	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.67	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.17	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.67	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.23	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.35	
For Each SF Of 24 Gauge Wall Panel, Add	0.68	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.63	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0070 GSF 24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	24.12	4.62
For >1 In 12 Slope To 3 In 12 Slope, Add	0.72	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.21	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.81	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.35	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.89	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.58	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.79	
For Each SF Of 24 Gauge Wall Panel, Add	0.74	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.68	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
<b>13 34 19 00-0071 &gt;100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)</b>		
13 34 19 00-0072 GSF 14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	18.90	3.52
For >1 In 12 Slope To 3 In 12 Slope, Add	0.57	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.95	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.42	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.84	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.27	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.59	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.54	
For Each SF Of 24 Gauge Wall Panel, Add	0.58	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.54	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0073 GSF 16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	19.64	3.69
For >1 In 12 Slope To 3 In 12 Slope, Add	0.59	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.98	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.47	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.91	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.36	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.73	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.71	
For Each SF Of 24 Gauge Wall Panel, Add	0.60	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.56	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

13 34 19 00-0074	GSF 18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding .....	20.56	3.85
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.62	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.03	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.54	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.00	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.47	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.91	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.93	
	For Each SF Of 24 Gauge Wall Panel, Add	0.63	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.58	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0075	GSF 20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding .....	21.41	4.02
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.64	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.07	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.61	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.09	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.57	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.07	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.14	
	For Each SF Of 24 Gauge Wall Panel, Add	0.66	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.60	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0076	GSF 24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding .....	23.22	4.35
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.70	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.16	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.74	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.26	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.79	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.41	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.57	
	For Each SF Of 24 Gauge Wall Panel, Add	0.71	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.64	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0077	<b>Double Post 3-Span Frame Pre-Engineered Metal Buildings</b> (13 34 19 00-0001)		
	Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0078	<b>Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings</b> (13 34 19 00-0077)		
13 34 19 00-0079	GSF 14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....	18.68	3.69
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.93	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.40	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.82	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.24	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.55	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.48	
	For Each SF Of 24 Gauge Wall Panel, Add	0.57	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.56	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0080	GSF 16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....	19.42	3.85
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.58	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.97	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.46	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.89	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.33	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.69	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.66	
	For Each SF Of 24 Gauge Wall Panel, Add	0.59	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.58	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0081	GSF 18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....	19.54	3.74
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.59	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.98	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.47	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.91	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.34	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.71	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.69	
	For Each SF Of 24 Gauge Wall Panel, Add	0.60	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.57	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0082 GSF 20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	20.31	3.91
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.61	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	1.02	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.52	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.98	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.44	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.86	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.87	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.62	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.59	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0083 GSF 24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	22.87	4.18
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.69	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	1.14	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.72	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.23	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.74	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.35	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.49	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.71	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.62	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
<b>13 34 19 00-0084 &gt;120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0077)</b>		
13 34 19 00-0085 GSF 14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....	17.68	3.35
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.53	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.88	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.33	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.72	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.12	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.36	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.24	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.54	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.52	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0086 GSF 16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....	18.28	3.46
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.55	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.91	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.37	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.78	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.19	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.47	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.39	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.56	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.53	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0087 GSF 18' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....	18.97	3.60
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.57	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.95	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.42	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.85	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.28	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.60	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.55	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.58	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.55	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0088 GSF 20' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....	19.65	3.74
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.59	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.98	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.47	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.92	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.36	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.73	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.72	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.60	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.57	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0089 GSF 24' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	22.18	4.02
For >1 In 12 Slope To 3 In 12 Slope, Add	0.67	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.11	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.66	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.16	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.66	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.21	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.32	
For Each SF Of 24 Gauge Wall Panel, Add	0.69	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.60	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
<b>13 34 19 00-0090 Triple Post 4-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)</b>		
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
<b>13 34 19 00-0091 Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building</b>		
(13 34 19 00-0090)		
13 34 19 00-0092 GSF 14' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	16.99	3.19
For >1 In 12 Slope To 3 In 12 Slope, Add	0.51	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.85	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.27	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.66	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.04	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.23	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.08	
For Each SF Of 24 Gauge Wall Panel, Add	0.52	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.50	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0093 GSF 16' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	17.70	3.30
For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.89	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.33	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.73	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.12	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.36	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.25	
For Each SF Of 24 Gauge Wall Panel, Add	0.54	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.51	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0094 GSF 18' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	18.31	3.41
For >1 In 12 Slope To 3 In 12 Slope, Add	0.55	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.92	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.37	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.79	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.20	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.48	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.39	
For Each SF Of 24 Gauge Wall Panel, Add	0.56	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.53	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0095 GSF 20' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	18.87	3.52
For >1 In 12 Slope To 3 In 12 Slope, Add	0.57	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.94	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.42	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.84	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.26	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.59	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.53	
For Each SF Of 24 Gauge Wall Panel, Add	0.58	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.54	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0096 GSF 24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	21.42	3.85
For >1 In 12 Slope To 3 In 12 Slope, Add	0.64	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.07	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.61	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.09	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.57	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.07	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.14	
For Each SF Of 24 Gauge Wall Panel, Add	0.66	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.58	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
<b>13 34 19 00-0097 &gt;160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building (13 34 19 00-0090)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0098 GSF 14' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	16.76	3.08
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.50	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.84	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.26	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.63	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.01	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.18	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.02	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.52	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.49	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0099 GSF 16' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	17.36	3.19
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.52	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.87	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.30	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.69	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.08	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.30	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.17	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.54	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.50	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0100 GSF 18' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	18.01	3.30
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.54	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.90	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.35	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.76	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.16	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.42	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.32	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.56	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.51	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0101 GSF 20' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	18.62	3.41
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.56	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.93	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.40	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.82	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.23	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.54	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.47	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.57	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.53	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0102 GSF 24' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	21.04	3.69
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.63	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	1.05	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.58	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.05	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.52	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.00	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.05	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.65	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.56	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
<b>13 34 19 00-0103 &gt;180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings</b>		
<small>(13 34 19 00-0090)</small>		
13 34 19 00-0104 GSF 14' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	16.57	2.97
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.50	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.83	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.24	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.62	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.99	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.15	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.98	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.51	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.47	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

13 34 19 00-0105	GSF 16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	17.05	3.08
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.51	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.85	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.28	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.66	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.05	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.24	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.09	
	For Each SF Of 24 Gauge Wall Panel, Add	0.53	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.49	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0106	GSF 18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	17.72	3.19
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.89	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.33	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.73	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.13	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.37	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.25	
	For Each SF Of 24 Gauge Wall Panel, Add	0.55	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.50	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0107	GSF 20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	18.36	3.30
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.55	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.92	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.38	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.79	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.20	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.49	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.41	
	For Each SF Of 24 Gauge Wall Panel, Add	0.57	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.51	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0108	GSF 24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	20.81	3.58
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.62	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.04	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.56	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.03	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.50	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.95	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.99	
	For Each SF Of 24 Gauge Wall Panel, Add	0.65	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.55	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0109	<b>Metal Building Options</b> (13 34 19 00-0001) Note: For use with metal buildings only. See CSI section 08 36 13 00-0013 for sectional doors, 08 51 13 00-0086 for sliding windows.		
13 34 19 00-0110	<b>Metal Framing For Rough Openings</b> (13 34 19 00-0109) Note: Excludes doors See CSI section 08 13 00 00-0000 for metal doors, 08 14 00 00-0000 for wood doors, 08 33 23 00-0000 for overhead coiling doors.		
13 34 19 00-0111	EA Single Door, Metal Frame Rough Opening .....	518.12	123.18
13 34 19 00-0112	EA Double Door, Metal Frame Rough Opening .....	793.98	159.46
13 34 19 00-0113	EA 10' x 10' Overhead Door, Metal Frame Rough Opening .....	950.49	151.22
13 34 19 00-0114	EA 12' x 12' Overhead Door, Metal Frame Rough Opening .....	1,028.07	153.97
13 34 19 00-0115	EA 14' x 14' Overhead Door, Metal Frame Rough Opening .....	1,092.71	159.46
13 34 19 00-0116	EA Up To 12 SF, Window Opening, Metal Frame Rough Opening .....	497.21	123.18
13 34 19 00-0117	EA >12 To 18 SF, Window Opening, Metal Frame Rough Opening .....	557.95	140.00
13 34 19 00-0118	LF Additional Girts.....	12.54	
13 34 19 00-0119	<b>Wall Panel Options For Metal Buildings</b> (13 34 19 00-0109) Note: Upgrade from 26 gauge wall panels.		
13 34 19 00-0120	SF Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile.....	13.77	
	Note: 24 gauge exterior and 24 gauge interior panels.		
	For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
	For Premium Exterior Colors, Add	0.12	
13 34 19 00-0121	SF Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile.....	16.51	
	Note: 24 gauge exterior and 24 gauge interior panels.		
	For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
	For Premium Exterior Colors, Add	0.12	
13 34 19 00-0122	SF Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile.....	18.94	
	Note: 24 gauge exterior and 24 gauge interior panels.		
	For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
	For Premium Exterior Colors, Add	0.12	
13 34 19 00-0123	SF Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile.....	21.68	
	Note: 24 gauge exterior and 24 gauge interior panels.		
	For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
	For Premium Exterior Colors, Add	0.12	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0124				<b>Roofing Options For Metal Buildings</b> (13 34 19 00-0109) Note: Upgrade from 26 gauge standing seam roof panels.		
13 34 19 00-0125	SF			Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof .....	1.47	
13 34 19 00-0126	SF			Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42 .....	23.48	
				Note: 24 gauge exterior and 24 gauge interior panels.		
				For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
				For Premium Exterior Colors, Add	0.12	
13 34 19 00-0127	SF			Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42 .....	24.96	
				Note: 24 gauge exterior and 24 gauge interior panels.		
				For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
				For Premium Exterior Colors, Add	0.12	
13 34 19 00-0128	SF			Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42 .....	26.17	
				Note: 24 gauge exterior and 24 gauge interior panels.		
				For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
				For Premium Exterior Colors, Add	0.12	
13 34 19 00-0129	EA			3' x 10' Translucent Fiberglass Panels .....	166.85	47.29
13 34 19 00-0130	LF			Vented Ridge Vent For Standing Seam Roof .....	24.14	
13 34 19 00-0131				<b>Insulation For Metal Buildings</b> (13 34 19 00-0109)		
13 34 19 00-0132	SF			1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.29	0.32
13 34 19 00-0133	SF			2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.45	0.32
13 34 19 00-0134	SF			3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.65	0.43
13 34 19 00-0135	SF			3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.92	0.43
13 34 19 00-0136	SF			6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	2.45	0.43
13 34 19 00-0137	SF			1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation .....	1.61	0.32
13 34 19 00-0138	SF			2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation .....	1.77	0.32
13 34 19 00-0139	SF			3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation .....	1.90	0.43
13 34 19 00-0140	SF			3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation .....	2.11	0.43
13 34 19 00-0141	SF			6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation .....	2.54	0.43
13 34 19 00-0142	SF			1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation .....	1.52	0.32
13 34 19 00-0143	SF			2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation .....	1.71	0.32
13 34 19 00-0144	SF			3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation .....	2.03	0.43
13 34 19 00-0145	SF			3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation .....	2.24	0.43
13 34 19 00-0146	SF			6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	2.64	0.43
13 34 19 00-0147	SF			2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation.....	1.40	0.32
13 34 19 00-0148	SF			3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation.....	1.49	0.32
13 34 19 00-0149	SF			4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation.....	1.68	0.43
13 34 19 00-0150	SF			6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation.....	2.11	0.43
13 34 19 00-0151	SF			2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.41	0.32
13 34 19 00-0152	SF			3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.51	0.32
13 34 19 00-0153	SF			4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.71	0.43
13 34 19 00-0154	SF			6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	2.16	0.43
13 34 19 00-0155	SF			2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	1.94	0.32
13 34 19 00-0156	SF			3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	2.08	0.32
13 34 19 00-0157	SF			4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	2.28	0.43
13 34 19 00-0158	SF			6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	2.73	0.43
13 34 19 00-0159				<b>Eave And Overhang Options For Metal Buildings</b> (13 34 19 00-0109)		
13 34 19 00-0160	LF			2' End Wall Roof Overhang And 26 Gauge Soffit .....	43.01	8.58
13 34 19 00-0161	LF			4' End Wall Roof Overhang And 26 Gauge Soffit .....	65.14	6.15
13 34 19 00-0162	SF			Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy.....	88.32	13.75
				Note: Up to 7' projection from wall. Includes finished underside and edges.		
				For End Braced (Up To 16' Wall Projection), Add	20.71	
				For Overhead Braced (Up To 10' Wall Projection), Add	11.87	
13 34 19 00-0163	SF			>20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy .....	73.78	11.55
				Note: Up to 7' projection from wall. Includes finished underside and edges.		
				For End Braced (Up To 16' Wall Projection), Add	17.29	
				For Overhead Braced (Up To 10' Wall Projection), Add	9.91	
13 34 19 00-0164	SF			>50 SF, Prefinished Aluminum, Wall Hung Canopy.....	55.89	9.90
				Note: Up to 7' projection from wall. Includes finished underside and edges.		
				For End Braced (Up To 16' Wall Projection), Add	12.98	
				For Overhead Braced (Up To 10' Wall Projection), Add	7.39	
13 34 19 00-0165	SF			Up To 50 SF, Prefinished Aluminum, Free Standing Canopy.....	107.54	20.90
				Note: Includes finished underside and edges.		
13 34 19 00-0166	SF			>50 SF, Prefinished Aluminum, Free Standing Canopy.....	72.35	12.65
				Note: Includes finished underside and edges.		
13 34 19 00-0167	LF			1' Standard Eave Overhang Without Soffit .....	41.63	
13 34 19 00-0168	LF			2' Standard Eave Overhang Without Soffit .....	52.10	
13 34 19 00-0169	LF			3' Standard Eave Overhang Without Soffit .....	62.80	
13 34 19 00-0170	LF			4' Standard Eave Overhang Without Soffit .....	73.35	
13 34 19 00-0171	LF			6' Standard Eave Overhang Without Soffit .....	94.19	
13 34 19 00-0172	LF			1' Standard Eave Overhang And 26 Gauge Soffit .....	55.63	
				For 24 Gauge, Add	6.23	
13 34 19 00-0173	LF			2' Standard Eave Overhang And 26 Gauge Soffit .....	69.56	
				For 24 Gauge, Add	7.86	
13 34 19 00-0174	LF			3' Standard Eave Overhang And 26 Gauge Soffit .....	83.67	
				For 24 Gauge, Add	9.42	
13 34 19 00-0175	LF			4' Standard Eave Overhang And 26 Gauge Soffit .....	97.77	
				For 24 Gauge, Add	10.97	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

13 34 19 00-0176	LF	6' Standard Eave Overhang And 26 Gauge Soffit..... <i>For 24 Gauge, Add</i>	125.05 14.14	
<b>13 34 19 00-0177</b>		<b>Louvers And Vents For Metal Buildings</b> (13 34 19 00-0109)		
13 34 19 00-0178	EA	4' x 3' Fixed Louver .....	669.50	171.57
13 34 19 00-0179	EA	12" Rotary Vent With Damper .....	405.54	109.98
13 34 19 00-0180	EA	20" Rotary Vent With Damper .....	722.19	146.82
13 34 19 00-0181	EA	24" Rotary Vent With Damper .....	961.44	164.97
13 34 19 00-0182	EA	Gravity Ridge Ventilator With Birdscreen, 9" Throat x 10' .....	1,097.20	219.95
13 34 19 00-0183	EA	Gravity Ridge Ventilator With Birdscreen, 12" Throat x 10' .....	1,172.01	219.95
13 34 19 00-0184	EA	Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Birdscreen .....	1,367.86	219.95
13 34 19 00-0185	EA	Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Birdscreen .....	1,496.74	219.95
13 34 19 00-0186	EA	Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Birdscreen .....	1,638.50	219.95
13 34 19 00-0187	EA	Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Birdscreen .....	1,780.27	219.95
13 34 19 00-0188	EA	Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Birdscreen .....	2,341.32	274.95
13 34 19 00-0189	EA	Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Birdscreen .....	2,573.31	274.95
<b>13 34 19 00-0190</b>		<b>Gutters And Downspouts For Metal Buildings</b> (13 34 19 00-0109)		
13 34 19 00-0191	LF	Pre-Engineered Standard Type Gutter, Painted .....	12.04	2.75
		<i>For Galvanized Instead Of Painted, Deduct</i>	-1.64	
13 34 19 00-0192	LF	Pre-Engineered Standard Type Downspout, Painted .....	10.31	3.85
		<i>For Galvanized Instead Of Painted, Deduct</i>	-0.65	
<b>13 34 23</b>		<b>Fabricated Structures</b> (13 34)		
<b>13 34 23 13</b>		<b>Portable and Mobile Buildings</b> (13 34 23)		
<b>13 34 23 13-0001</b>		<b>Prefabricated Signal, Communication Or Electrical Building</b> (13 34 23 13)		
		Note: Complete, includes door, roof, lights and wiring, insulation, painted.		
13 34 23 13-0002	SF	15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building .....	553.52	
13 34 23 13-0003	SF	30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building .....	474.76	
13 34 23 13-0004	SF	50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building .....	379.99	
13 34 23 13-0005	SF	80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building .....	300.67	
13 34 23 13-0006	SF	100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building .....	268.75	
<b>13 34 23 13-0007</b>		<b>Temporary Trailers 1 To 6 Years Life</b> (13 34 23 13)		
		Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
13 34 23 13-0008	SF	Single Trailer Up To 14' x 73' .....	65.22	
		<i>For Each Delivery And Set-Up (Block And Level), Add</i>	1,384.33	
		<i>For Each Knock-Down And Pick-Up, Add</i>	1,104.33	
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
13 34 23 13-0009	SF	Modular Trailers, Connected .....	91.31	
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
		<i>For Each Delivery And Set-Up (Block And Level), Add</i>	3,066.00	
		<i>For Each Knock-Down And Pick-Up, Add</i>	2,416.00	
13 34 23 13-0010	EA	Add Per Additional Exterior Door With Frame And Hardware .....	978.33	
<b>13 34 23 13-0011</b>		<b>Accessories</b> (13 34 23 13)		
<b>13 34 23 13-0012</b>		<b>Skirting</b> (13 34 23 13-0011)		
		Note: Includes 2" x 4" wood framing 16" on center.		
<b>13 34 23 13-0013</b>		<b>Vinyl Covered, Exterior Only</b> (13 34 23 13-0012)		
13 34 23 13-0014	SF	1'-8" High Vinyl Covered Skirt .....	5.08	1.87
13 34 23 13-0015	SF	3' High Vinyl Covered Skirt .....	7.40	3.07
<b>13 34 23 13-0016</b>		<b>Fiberglass, Exterior Only</b> (13 34 23 13-0012)		
13 34 23 13-0017	SF	1'-8" High Fiberglass Skirt .....	8.57	3.52
13 34 23 13-0018	SF	3' High Fiberglass Skirt .....	9.99	4.28
<b>13 34 23 13-0019</b>		<b>Plywood, Exterior Only</b> (13 34 23 13-0012)		
13 34 23 13-0020	SF	1'-8" High 5/8" Plywood Skirt .....	8.68	3.73
13 34 23 13-0021	SF	3' High 5/8" Plywood Skirt .....	10.28	4.50
<b>13 34 23 13-0022</b>		<b>Steel, Painted, Exterior Only</b> (13 34 23 13-0012)		
13 34 23 13-0023	SF	1'-8" High 26 Gauge Steel Skirt .....	9.99	3.52
13 34 23 13-0024	SF	3' High 26 Gauge Steel Skirt .....	11.58	4.28
<b>13 34 23 13-0025</b>		<b>14" x 14" Access Hatch</b> (13 34 23 13-0011)		
		Note: Simple design.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 13-0026 EA 14" x 14" Vinyl Covered Access Hatch .....	252.11	82.43
13 34 23 13-0027 EA 14" x 14" Fiberglass Access Hatch .....	202.34	82.43
13 34 23 13-0028 EA 14" x 14" Plywood Access Hatch .....	250.26	82.43
13 34 23 13-0029 EA 14" x 14" 26 Gauge Steel Access Hatch .....	251.78	82.43
<b>13 34 23 13-0030 Pole Anchor</b> <small>(13 34 23 13-0011)</small>		
Note: Joslyn.		
13 34 23 13-0031 EA Pole Anchor, 4" Helix, 3/4" x 54" Shaft .....	63.19	25.39
13 34 23 13-0032 EA Pole Anchor, 6" Helix, 3/4" x 66" Shaft .....	72.22	25.39
13 34 23 13-0033 EA Pole Anchor, 8" Helix, 1" x 66" Shaft .....	97.43	28.56
13 34 23 13-0034 EA Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft .....	138.68	31.74
13 34 23 13-0035 EA Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft .....	158.67	34.91
13 34 23 13-0036 EA Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft .....	256.34	47.61
<b>13 34 23 13-0037 Aluminum Modular Access Ramp</b> <small>(13 34 23 13-0011)</small>		
Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
13 34 23 13-0038 EA 72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp .....	3,548.96	27.44
13 34 23 13-0039 EA 60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp .....	3,581.90	35.67
13 34 23 13-0040 EA 60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp .....	7,381.40	54.88
13 34 23 13-0041 EA 110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp .....	7,955.50	54.88
13 34 23 13-0042 EA 60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp .....	3,725.43	35.67
13 34 23 13-0043 EA 71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp .....	3,692.49	27.44
13 34 23 13-0044 EA 84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp .....	5,157.09	35.67
13 34 23 13-0045 EA 30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp .....	3,655.46	35.67
13 34 23 13-0046 EA 35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp .....	3,655.46	35.67
13 34 23 13-0047 EA 42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp .....	4,163.18	35.67
13 34 23 13-0048 EA 49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp .....	4,667.31	35.67
<b>13 34 23 13-0049 Relocate Portable And Mobile Trailer</b> <small>(13 34 23 13)</small>		
Note: Excludes anchors, skirting, steps, ramps, utility hook-ups and foundation. See CSI section 01 22 16 00-0002 for reimbursable permit fees, 13 34 23 13-0012 for skirting, 13 34 23 13-0030 for anchors.		
13 34 23 13-0050 EA Prepare, Up To 12' Wide, Single Trailer For Transportation .....	801.36	
Note: Includes securing interior, mounting tires, and mounting trailer hitch		
13 34 23 13-0051 EA Separate, 24' Wide Double Trailer And Prepare For Transportation .....	4,100.13	
Note: Includes separating trailers, securing interior, installing plastic and boards to open side of each (2) trailers, mounting tires, and mounting trailer hitch.		
13 34 23 13-0052 EA Remove Blocking From 8' Wide x Up To 35' Long Trailer .....	352.60	
Note: Per trailer		
13 34 23 13-0053 EA Remove Blocking From 10' Wide x 40' To 50' Long Trailer .....	448.76	
Note: Per trailer		
13 34 23 13-0054 EA Remove Blocking From 12' Wide x 45' To 60' Long Trailer .....	544.92	
Note: Per trailer		
13 34 23 13-0055 EA Remove Blocking From 24' Wide x 45' To 60' Long Trailer .....	1,089.85	
Note: Per trailer		
13 34 23 13-0056 MI Transportation And Delivery Of Trailer .....	14.95	
13 34 23 13-0057 EA Re-connect 24' Wide Double Trailer .....	8,056.60	
Note: Includes removal of temporary plastic and boards, caulking, installation of flooring, ceiling and roofing seams. Excludes blocking and leveling. See CSI section 13 34 23 13-0060 for blocking and leveling of each section.		
13 34 23 13-0058 EA Set-Up (Block And Level) Trailer, 8' Wide x Up To 35' Long .....	440.75	
Note: Per trailer		
13 34 23 13-0059 EA Set-Up (Block And Level) Trailer, 10' Wide x 40' To 50' Long .....	560.95	
Note: Per trailer		
13 34 23 13-0060 EA Set-Up (Block And Level) Trailer, 12' Wide x 45' To 60' Long .....	681.15	
Note: Per trailer		
13 34 23 13-0061 EA Set-Up (Block And Level) Trailer, 24' Wide x 45' To 60' Long .....	1,362.31	
Note: Per trailer		
13 34 23 13-0062 EA Connection Straps To Anchor .....	20.04	
Note: Includes straps per each anchor See CSI section 13 34 23 13-0030 for anchors.		
<b>13 34 23 14 Fabricated Classroom Buildings</b> <small>(13 34 23)</small>		
<b>13 34 23 14-0001 Semi Permanent Modular Transportable Buildings</b> <small>(13 34 23 14)</small>		
13 34 23 14-0002 SF Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom .....	97.18	
For Each Anchoring Into Asphalt Or Concrete, Add		110.00
For Each Delivery And Set-Up (Block And Level), Add		3,066.00
For Each Knock-Down And Pick-Up, Add		2,416.00
13 34 23 14-0003 SF Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room .....	100.06	
For Each Anchoring Into Asphalt Or Concrete, Add		110.00
For Each Delivery And Set-Up (Block And Level), Add		3,066.00
For Each Knock-Down And Pick-Up, Add		2,416.00
<b>13 34 23 16 Fabricated Control Booths</b> <small>(13 34 23)</small>		
<b>13 34 23 16-0001 Fabricated Parking Attendant Booths</b> <small>(13 34 23 16)</small>		
Note: Excludes foundations and slab.		
13 34 23 16-0002 EA Parking Booth For Attendant .....	1,397.23	

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**13 34 23 31 Fabricated Pavilion Style Buildings** (13 34 23)

<b>13 34 23 31-0001 Pavilion Style Metal Shelter Structures</b> <small>(13 34 23 31)</small>			
Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.			
13 34 23 31-0002	EA	12' x 12' Pavilion Style Metal Shelter Structure.....	10,810.89 2,108.93
13 34 23 31-0003	EA	16' x 16' Pavilion Style Metal Shelter Structure.....	12,696.13 2,200.66
13 34 23 31-0004	EA	16' x 32' Pavilion Style Metal Shelter Structure.....	16,194.50 2,347.36
13 34 23 31-0005	EA	20' x 20' Pavilion Style Metal Shelter Structure.....	15,211.22 2,274.01
13 34 23 31-0006	EA	20' x 30' Pavilion Style Metal Shelter Structure.....	18,819.01 2,494.08
13 34 23 31-0007	EA	20' x 40' Pavilion Style Metal Shelter Structure.....	22,426.14 2,567.43
13 34 23 31-0008	EA	24' x 24' Pavilion Style Metal Shelter Structure.....	18,598.57 2,347.36
13 34 23 31-0009	EA	24' x 48' Pavilion Style Metal Shelter Structure.....	26,254.31 2,934.21
13 34 23 31-0010	EA	30' x 30' Pavilion Style Metal Shelter Structure.....	25,238.69 2,934.21
13 34 23 31-0011	EA	30' x 60' Pavilion Style Metal Shelter Structure.....	50,214.63 3,667.76
13 34 23 31-0012	EA	40' x 40' Pavilion Style Metal Shelter Structure.....	46,470.09 4,583.87
13 34 23 31-0013	EA	40' x 60' Pavilion Style Metal Shelter Structure.....	67,319.43 5,134.86

**13 40 Integrated Construction** (13)**13 46 Lightning Protection Systems** (13 40)**13 46 13 Lightning Protection for Structures** (13 46)

<b>13 46 13 00-0001 Lightning Protection</b> <small>(13 46 13)</small>			
See CSI section 26 05 26 00-0001 for conductors.			
<b>13 46 13 00-0002 Air Terminals For Lightning Protection</b> <small>(13 46 13 00-0001)</small>			
<b>13 46 13 00-0003 Copper Lightning Protection Air Terminals</b> <small>(13 46 13 00-0002)</small>			
13 46 13 00-0004	EA	3/8" x 10" Copper Lightning Protection Air Terminal.....	60.74 9.61
13 46 13 00-0005	EA	1/2" x 12" Copper Lightning Protection Air Terminal.....	75.33 9.61
13 46 13 00-0006	EA	5/8" x 12" Copper Lightning Protection Air Terminal.....	98.57 9.61
13 46 13 00-0007	EA	1/2" x 24" Copper Lightning Protection Air Terminal.....	109.55 9.61
13 46 13 00-0008	EA	1/2" x 60" Copper Lightning Protection Air Terminal.....	213.68 19.20
<b>13 46 13 00-0009 Aluminum Lightning Protection Air Terminals</b> <small>(13 46 13 00-0002)</small>			
13 46 13 00-0010	EA	3/8" x 10" Aluminum Lightning Protection Air Terminal.....	76.40 9.61
13 46 13 00-0011	EA	1/2" x 12" Aluminum Lightning Protection Air Terminal.....	97.11 9.61
13 46 13 00-0012	EA	5/8" x 12" Aluminum Lightning Protection Air Terminal.....	124.85 9.61
13 46 13 00-0013	EA	1/2" x 24" Aluminum Lightning Protection Air Terminal.....	138.56 9.61
13 46 13 00-0014	EA	1/2" x 60" Aluminum Lightning Protection Air Terminal.....	273.35 19.20
<b>13 46 13 00-0015 Terminal Bases For Lightning Protection</b> <small>(13 46 13 00-0001)</small>			
<b>13 46 13 00-0016 Copper Lightning Protection Terminal Bases</b> <small>(13 46 13 00-0015)</small>			
13 46 13 00-0017	EA	Adhesive Base For Copper Lightning Protection Terminal.....	78.53 28.81
13 46 13 00-0018	EA	Bolted Base For Copper Lightning Protection Terminal.....	101.97 38.42
13 46 13 00-0019	EA	Hinged Base For Copper Lightning Protection Terminal.....	138.56 48.02
13 46 13 00-0020	EA	Side Mounted Base For Copper Lightning Protection Terminal.....	101.97 38.42
13 46 13 00-0021	EA	Offset Point Support For Copper Lightning Protection Terminal.....	109.48 38.42
13 46 13 00-0022	EA	Concealed Base Assembly For Copper Lightning Protection Terminal.....	193.19 76.83
13 46 13 00-0023	EA	36" Tripod Base For 60" Copper Lightning Protection Terminal.....	136.59 48.02
13 46 13 00-0024	EA	Intermediate Base For Copper Lightning Protection Terminal.....	78.53 28.81
<b>13 46 13 00-0025 Aluminum Lightning Protection Terminal Bases</b> <small>(13 46 13 00-0015)</small>			
13 46 13 00-0026	EA	Adhesive Base For Aluminum Lightning Protection Terminal.....	84.33 28.81
13 46 13 00-0027	EA	Bolted Base For Aluminum Lightning Protection Terminal.....	109.40 38.42
13 46 13 00-0028	EA	Hinged Base For Aluminum Lightning Protection Terminal.....	150.82 48.02
13 46 13 00-0029	EA	Side Mounted Base For Aluminum Lightning Protection Terminal.....	109.89 38.42
13 46 13 00-0030	EA	Offset Point Support For Aluminum Lightning Protection Terminal.....	116.75 38.42
13 46 13 00-0031	EA	Concealed Base Assembly For Aluminum Lightning Protection Terminal.....	209.31 76.83
13 46 13 00-0032	EA	36" Tripod Base For 60" Aluminum Lightning Protection Terminal.....	138.87 48.02
13 46 13 00-0033	EA	Intermediate Base For Aluminum Lightning Protection Terminal.....	84.33 28.81
<b>13 46 13 00-0034 Connectors</b> <small>(13 46 13 00-0001)</small>			
<b>13 46 13 00-0035 Copper Cable Connectors</b> <small>(13 46 13 00-0034)</small>			
13 46 13 00-0036	EA	Thru Wall Cable Connector For Copper Lightning Protection System.....	158.44 48.02
13 46 13 00-0037	EA	Thru Roof Adapter Assembly For Copper Lightning Protection System.....	213.48 76.83
13 46 13 00-0038	EA	Beam Connector For Copper Lightning Protection System.....	139.92 48.02
13 46 13 00-0039	EA	Double Bolt Cable Connector For Copper Lightning Protection System.....	34.13 9.61
13 46 13 00-0040	EA	Cable To Bar Connector For Copper Lightning Protection System.....	35.31 9.61
13 46 13 00-0041	EA	Tee Connector For Copper Lightning Protection Terminal.....	106.82 28.81





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>13 46 13 00-0042 Aluminum Cable Connectors</b> (13 46 13 00-0034)		
13 46 13 00-0043 EA Thru Wall Cable Connector For Aluminum Lightning Protection System.....	171.89	48.02
13 46 13 00-0044 EA Thru Roof Adapter Assembly For Aluminum Lightning Protection System.....	237.49	76.83
13 46 13 00-0045 EA Beam Connector For Aluminum Lightning Protection System.....	157.19	48.02
13 46 13 00-0046 EA Double Bolt Cable Connector For Aluminum Lightning Protection System.....	39.24	9.61
13 46 13 00-0047 EA Tee Connector For Aluminum Lightning Protection Terminal.....	115.68	28.81
<b>13 46 13 00-0048 Bonding Plates</b> (13 46 13 00-0001)		
<b>13 46 13 00-0049 Copper Bonding Plates</b> (13 46 13 00-0048)		
13 46 13 00-0050 EA 8" Square I Beam Bonding Plate For Copper Lightning Protection System.....	122.03	48.02
13 46 13 00-0051 EA 8" Square Purlin Bonding Plate For Copper Lightning Protection System.....	126.62	48.02
13 46 13 00-0052 EA 16" Square Bonding Plate For Copper Lightning Protection System.....	185.84	76.83
<b>13 46 13 00-0053 Aluminum Bonding Plates</b> (13 46 13 00-0048)		
13 46 13 00-0054 EA 8" Square I Beam Bonding Plate For Aluminum Lightning Protection System.....	125.33	48.02
13 46 13 00-0055 EA 8" Square Purlin Bonding Plate For Aluminum Lightning Protection System.....	133.17	48.02
13 46 13 00-0056 EA 16" Square Bonding Plate For Aluminum Lightning Protection System.....	189.21	76.83
<b>13 46 13 00-0057 Cable Supports</b> (13 46 13 00-0001)		
<b>13 46 13 00-0058 Copper Cable Supports</b> (13 46 13 00-0057)		
13 46 13 00-0059 EA Loop Fastener, Copper Cable Supports For Lightning Protection System.....	22.36	9.61
13 46 13 00-0060 EA Adhesive Cable Holder, Copper Cable Support For Lightning Protection System.....	22.91	9.61
<b>13 46 13 00-0061 Aluminum Cable Supports</b> (13 46 13 00-0057)		
13 46 13 00-0062 EA Loop Fastener, Aluminum Cable Supports For Lightning Protection System.....	21.92	9.61
13 46 13 00-0063 EA Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System.....	21.74	9.61
<b>13 46 13 00-0064 Bonding Straps</b> (13 46 13 00-0001)		
<b>13 46 13 00-0065 Copper Bonding Straps</b> (13 46 13 00-0064)		
13 46 13 00-0066 EA 3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System.....	64.74	28.81
<b>13 46 13 00-0067 Aluminum Bonding Straps</b> (13 46 13 00-0064)		
13 46 13 00-0068 EA 3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System.....	67.67	28.81
<b>13 46 13 00-0069 Accessories For Lightning Protection</b> (13 46 13 00-0001)		
See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
<b>13 46 13 00-0070 Copper Adapters</b> (13 46 13 00-0069)		
13 46 13 00-0071 EA Swivel Adapters For Copper Lightning Protection System.....	26.55	4.80
<b>13 46 13 00-0072 Aluminum Adapters</b> (13 46 13 00-0069)		
13 46 13 00-0073 EA Swivel Adapters For Aluminum Lightning Protection System.....	36.80	4.80
13 46 13 00-0074 EA Floor Ground Receptacle For Aluminum Lightning Protection System.....	160.35	48.02
<b>13 47 Facility Protection</b> (13 40)		
<b>13 47 13 Cathodic Protection</b> (13 47)		
<b>13 47 13 13 Cathodic Protection for Underground and Submerged Piping</b> (13 47 13)		
<b>13 47 13 13-0001 Anodes</b> (13 47 13 13)		
<b>13 47 13 13-0002 Magnesium Type, Conventional</b> (13 47 13 13-0001)		
13 47 13 13-0003 EA 9 LB Magnesium Type Anodes.....	333.47	144.44
13 47 13 13-0004 EA 17 LB Magnesium Type Anodes.....	495.59	208.77
13 47 13 13-0005 EA 32 LB Magnesium Type Anode.....	679.07	268.58
13 47 13 13-0006 EA 48 LB Magnesium Type Anode.....	967.85	375.78
<b>13 47 13 13-0007 Graphite Type</b> (13 47 13 13-0001)		
Note: Includes epoxy cap.		
13 47 13 13-0008 EA 3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap.....	484.69	194.76
13 47 13 13-0009 EA 4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap.....	763.59	271.96
13 47 13 13-0010 EA 6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap.....	584.04	170.20
13 47 13 13-0011 EA 6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap.....	904.25	227.22
<b>13 47 13 13-0012 Rectifiers</b> (13 47 13 13)		

**13 Special Construction****13 40 Integrated Construction****13 47 Facility Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>13 47 13 13-0013</b> Air Cooled, Silicon Type <small>(13 47 13 13-0012)</small>		
13 47 13 13-0014 EA Air Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type .....	1,996.96	276.60
13 47 13 13-0015 EA Air Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type .....	2,177.05	276.60
<b>13 47 13 13-0016</b> Oil Immersed, Silicon Type <small>(13 47 13 13-0012)</small>		
13 47 13 13-0017 EA Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type .....	3,082.21	319.81
13 47 13 13-0018 EA Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type .....	3,275.16	319.81
<b>13 47 13 13-0019</b> Anode Backfill <small>(13 47 13 13)</small>		
13 47 13 13-0020 LB Anode Backfill, Coke Breeze .....	0.93	0.35
<b>13 47 13 13-0021</b> Cathodic Protection Cable <small>(13 47 13 13)</small>		
13 47 13 13-0022 MLF Cathodic Protection Cable, OR2 - No 8 .....	1,874.88	680.79
13 47 13 13-0023 MLF Cathodic Protection Cable, OR2 - No 6 .....	2,102.49	680.79
13 47 13 13-0024 MLF Cathodic Protection Cable, OR2 - No 4 .....	2,443.91	680.79
13 47 13 13-0025 MLF Cathodic Protection Cable, OR2 - No 2 .....	3,012.95	680.79
13 47 13 13-0026 MLF Cathodic Protection Cable, OR2 - No 1 .....	3,773.66	750.09
13 47 13 13-0027 MLF Cathodic Protection Cable, OR2-No 1/0 .....	4,200.43	750.09
13 47 13 13-0028 MLF Cathodic Protection Cable, OR2-No 2/0 .....	4,911.72	750.09
13 47 13 13-0029 MLF Cathodic Protection Cable, OR2-No 4/0 .....	6,753.34	817.65
<b>13 47 13 13-0030</b> Cathodic Test Stations <small>(13 47 13 13)</small>		
<b>13 47 13 13-0031</b> Flush Curb Box Type With Lockable Cover And Terminal Box <small>(13 47 13 13-0030)</small>		
13 47 13 13-0032 EA Cathodic Test Station, Flush Curb Type With Lockable Cover .....	254.60	79.71
<b>13 47 13 16</b> Cathodic Protection for Underground Storage Tanks <small>(13 47 13)</small>		
See CSI section 13 47 13 13-0000 for cathodic protection for tanks.		
<b>13 48 Sound, Vibration, and Seismic Control</b> <small>(13 40)</small>		
<b>13 48 63 Fabricated Seismic Control Assemblies</b> <small>(13 48)</small>		
<b>13 48 63 00-0001</b> Seismic Restraints <small>(13 48 63)</small>		
13 48 63 00-0002 EA 1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole .....	5.11	1.09
Note: Adhesive applied.		
For >500, Deduct	-0.84	
13 48 63 00-0003 EA 1" x 1" Seismic Fastener, Gray, Adhesive Applied .....	4.03	0.54
For >500, Deduct	-0.84	
13 48 63 00-0004 EA 1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole .....	6.71	1.36
Note: Adhesive applied.		
For >500, Deduct	-1.14	
13 48 63 00-0005 EA 1" x 2" Seismic Fastener, Gray, Adhesive Applied .....	5.14	0.68
For >500, Deduct	-1.08	
13 48 63 00-0006 EA 2" x 2" Seismic Fastener, Gray, Adhesive Applied .....	6.52	0.79
For >500, Deduct	-1.40	
13 48 63 00-0007 EA 2" x 3" Seismic Fastener, Gray, Adhesive Applied .....	11.04	0.96
For >250, Deduct	-2.61	
13 48 63 00-0008 LF 3/4" Wide Seismic Strap, Gray .....	4.61	0.82
For >1,000, Deduct	-0.85	
13 48 63 00-0009 LF 1" Wide Seismic Strap, Gray .....	6.85	0.82
For >1,000, Deduct	-1.49	
13 48 63 00-0010 EA 3/4" Wide x 4" Long Seismic Strap, Gray .....	2.19	0.54
For >250, Deduct	-0.31	
13 48 63 00-0011 EA 3/4" Wide x 12" Long Seismic Strap, Gray .....	10.06	1.63
For >250, Deduct	-1.94	
13 48 63 00-0012 LF Seismic Chord, Black .....	2.70	0.82
For >2,500, Deduct	-0.31	
13 48 63 00-0013 LF SAFELOK Seismic Fastener, Black .....	3.64	0.82
For >500, Deduct	-0.57	
<b>13 48 63 00-0014</b> Seismic Bracing Assembly <small>(13 48 63)</small>		
13 48 63 00-0015 EA 4-Bolt Deck Anchor Connection For Seismic Brace .....	159.42	
Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.		
13 48 63 00-0016 EA 2 Cable Seismic Brace With Center Threaded Rod Stiffener .....	151.37	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0017 EA 3 Cable Seismic Brace With Center Threaded Rod Stiffener .....	227.35	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0018 EA 4 Cable Seismic Brace With Center Threaded Rod Stiffener .....	295.09	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0019 EA 2 Channel Seismic Brace With Center Threaded Rod Stiffener .....	306.61	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0020 EA 3 Channel Seismic Brace With Center Threaded Rod Stiffener .....	456.11	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0021 EA 4 Channel Seismic Brace With Center Threaded Rod Stiffener .....	605.59	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 63 00-0022 EA 2 Rod Seismic Brace With Center Threaded Rod Stiffener ..... Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	179.95	
13 48 63 00-0023 EA 3 Rod Seismic Brace With Center Threaded Rod Stiffener ..... Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	266.12	
13 48 63 00-0024 EA 4 Rod Seismic Brace With Center Threaded Rod Stiffener ..... Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	352.27	
<b>13 48 63 00-0025 Seismic Brace Components <small>(13 48 63)</small></b>		
13 48 63 00-0026 EA 1/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-1) ..... Note: To be used with 7x19 stranded cable.	31.16	
13 48 63 00-0027 EA 3/16" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-2) ..... Note: To be used with 7x19 stranded cable.	43.88	
13 48 63 00-0028 EA 1/4" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-3) ..... Note: To be used with 7x19 stranded cable.	59.16	
13 48 63 00-0029 EA 3/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-4) ..... Note: To be used with 7x19 stranded cable.	82.03	
13 48 63 00-0030 EA Seismic Solid Brace Swivel Anchor (Mason SSB-1) ..... Note: To be used with angle or channel.	29.09	
13 48 63 00-0031 EA Seismic Solid Brace Swivel Anchor (Mason SSB-2) ..... Note: To be used with angle or channel.	40.28	
13 48 63 00-0032 EA Seismic Solid Brace Swivel Anchor (Mason SSB-3) ..... Note: To be used with angle or channel.	53.88	
13 48 63 00-0033 EA Seismic Solid Brace Swivel Anchor (Mason SSB-4) ..... Note: To be used with angle or channel.	73.87	
13 48 63 00-0034 EA 1/8" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-1) ..... Note: To be used with 7x19 stranded cable.	35.88	
13 48 63 00-0035 EA 3/16" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-2) ..... Note: To be used with 7x19 stranded cable.	48.28	
13 48 63 00-0036 EA 1/4" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-3) ..... Note: To be used with 7x19 stranded cable.	68.27	
13 48 63 00-0037 EA 1/8" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-1) ..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	65.07	
13 48 63 00-0038 EA 3/16" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-2) ..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	92.67	
13 48 63 00-0039 EA 1/4" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-3) ..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	127.46	
13 48 63 00-0040 EA Seismic Rod Clamp (Mason SRC-1) ..... Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	27.04	
13 48 63 00-0041 EA Seismic Rod Clamp (Mason SRC-1 1/2) ..... Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	33.44	
13 48 63 00-0042 EA Seismic Rod Clamp (Mason SRC-2) ..... Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	42.24	
<b>13 49 Radiation Protection <small>(13 40)</small></b>		
<b>13 49 13 Integrated X-Ray Shielding Assemblies <small>(13 49)</small></b>		
<b>13 49 13 00-0001 Lead Shielding <small>(13 49 13)</small></b> See CSI section 09 29 10 00-0036 for finishing tasks.		
13 49 13 00-0002 SF 1/16" Sheet Lead Shielding .....	40.98	6.54
13 49 13 00-0003 SF 1/8" Sheet Lead Shielding .....	69.99	7.08
13 49 13 00-0004 SF 1/4" Sheet Lead Shielding .....	125.05	7.62
13 49 13 00-0005 SF 1/2" Sheet Lead Shielding .....	239.13	9.81
<b>13 49 16 Modular X-Ray Shielding Rooms <small>(13 49)</small></b>		
<b>13 49 16 00-0001 X-Ray Barriers, Modular <small>(13 49 16)</small></b> Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.		
<b>13 49 16 00-0002 36" Wide x 84" High, 1-Section Barrier, Modular X-Ray Barriers <small>(13 49 16 00-0001)</small></b>		
13 49 16 00-0003 EA 0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	8,799.16	139.45
13 49 16 00-0004 EA 0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	9,345.33	139.45
13 49 16 00-0005 EA 1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	9,619.58	167.34
13 49 16 00-0006 EA 1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	10,274.99	167.34
<b>13 49 16 00-0007 72" Wide x 84" High, 2-Section Barrier, Modular X-Ray Barriers <small>(13 49 16 00-0001)</small></b>		
13 49 16 00-0008 EA 0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	18,906.82	223.12
13 49 16 00-0009 EA 0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	19,671.46	223.12
13 49 16 00-0010 EA 1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	20,273.46	251.01
13 49 16 00-0011 EA 1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	21,858.47	278.89
<b>13 49 16 00-0012 108" Wide x 84" High, 3-Section Barrier, Modular X-Ray Barriers <small>(13 49 16 00-0001)</small></b>		
13 49 16 00-0013 EA 0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	28,740.22	278.89
13 49 16 00-0014 EA 0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	30,160.27	278.89
13 49 16 00-0015 EA 1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	30,817.99	334.67
13 49 16 00-0016 EA 1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	33,058.37	362.56

**13 Special Construction****13 40 Integrated Construction****13 49 Radiation Protection**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

13 49 16 00-0017		<b>X-Ray Barriers, Mobile</b> <small>(13 49 16)</small> Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.		
13 49 16 00-0018		<b>30" Wide x 75" High, Mobile X-Ray Barriers</b> <small>(13 49 16 00-0017)</small> Note: Includes Framework		
13 49 16 00-0019	EA	24" H Upper With 0.5mm LE, 48" H Lower With 0.8mm LE Mobile X-Ray Barriers .....	6,062.36	27.24
13 49 16 00-0020		<b>48" Wide x 75" High, Mobile X-Ray Barriers</b> <small>(13 49 16 00-0017)</small> Note: Includes Framework		
13 49 16 00-0021	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers .....	10,759.44	27.24
13 49 16 00-0022	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers .....	12,944.12	27.24
13 49 16 00-0023		<b>72" Wide x 75" High, Mobile X-Ray Barriers</b> <small>(13 49 16 00-0017)</small> Note: Includes Framework		
13 49 16 00-0024	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers .....	12,725.65	27.24
13 49 16 00-0025	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers .....	16,111.91	27.24
<b>13 49 19</b>		<b>Lead-Lined Materials</b> <small>(13 49)</small>		
<b>13 49 19 16</b>		<b>Lead-Lined Drywall</b> <small>(13 49 19)</small>		
13 49 19 16-0001		<b>Lead Lined Drywall</b> <small>(13 49 19 16)</small> See CSI section 09 29 10 00-0036 for finishing tasks.		
13 49 19 16-0002	SF	1/32" Lead Lined 5/8" Fire Rated Drywall .....	22.50	1.43
13 49 19 16-0003	SF	1/16" Lead Lined 5/8" Fire Rated Drywall .....	39.63	1.71
13 49 19 16-0004	SF	1/8" Lead Lined 5/8" Fire Rated Drywall .....	72.49	2.06

**END OF SECTION 13**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 14 Conveying Equipment

### 14 01 Operation and Maintenance of Conveying Equipment <sup>(14)</sup>

#### 14 01 20 Operation and Maintenance of Elevators <sup>(14 01)</sup>

##### 14 01 20 71 Elevator Rehabilitation <sup>(14 01 20)</sup>

##### 14 01 20 71-0001 Elevator Maintenance <sup>(14 01 20 71)</sup>

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit) .....	561.14	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit) .....	748.18	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit) .....	467.61	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit) .....	467.61	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit) .....	280.57	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only .....	184.13	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only .....	230.17	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors .....	1,337.40	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors .....	1,671.75	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator .....	668.70	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator .....	1,504.58	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts .....	1,003.06	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors .....	2,340.46	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors .....	2,674.81	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator .....	2,006.10	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator .....	2,507.63	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts .....	1,337.40	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors .....	2,069.61	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors .....	2,328.32	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator .....	2,069.61	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator .....	2,069.61	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts .....	2,069.61	

##### 14 01 20 71-0024 Elevator Modernization <sup>(14 01 20 71)</sup>

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM) .....	39,098.54	8,277.60
		Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.		
		For Union-Guard Cathodic Protection, Add	9,090.59	
		Note: Includes Pump.		
		For An Additional Stop, Add	9,710.60	
		Note: Includes Removal.		
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM) .....	42,210.53	10,002.10
		Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.		
		For Union-Guard Cathodic Protection, Add	9,181.04	
		Note: Includes Pump.		
		For An Additional Stop, Add	10,293.87	
		Note: Includes Removal.		
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM) .....	50,328.66	11,381.70
		Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.		
		For Union-Guard Cathodic Protection, Add	10,628.24	
		Note: Includes Pump.		
		For An Additional Stop, Add	13,131.03	
		Note: Includes Removal.		
14 01 20 71-0028	EA	Removal And Replacement Of Hydraulic Control (Maxton) Valve .....	5,250.76	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization .....	72.53	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization .....	798.77	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four .....	4,126.96	689.80
		Note: Includes cover plate.		
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four .....	3,482.23	689.80
		Note: Includes cover plate.		
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish .....	7,558.95	
		Note: Excludes buildback.		
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish .....	8,282.55	
		Note: Excludes buildback.		
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish .....	8,023.86	
		Note: Excludes buildback.		
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish .....	8,747.46	
		Note: Excludes buildback.		
14 01 20 71-0037	SF	Epoxy Aggregate, Elevator Cab Flooring .....	86.28	19.71
		Note: SF cost not applicable for partial cab flooring.		
14 01 20 71-0038	SF	Aluminum Diamond Plate, Elevator Cab Flooring .....	73.43	19.71
		Note: SF cost not applicable for partial cab flooring.		
14 01 20 71-0039	SF	1/8" Thick, Vinyl Composition Tile (VCT), Elevator Cab Flooring .....	13.56	2.59
14 01 20 71-0040	EA	Solid State Starting (Soft Start) .....	6,074.55	517.35
14 01 20 71-0041	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings) .....	19,561.00	2,888.54
14 01 20 71-0042	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL Manufacturing) .....	2,324.11	689.80
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL Manufacturing) .....	439.27	172.45
14 01 20 71-0044	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL) .....	426.30	344.90
14 01 20 71-0045	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL Manufacturing) .....	596.77	301.79
14 01 20 71-0046	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL Manufacturing) .....	2,808.97	689.80
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL Manufacturing) .....	594.00	319.03

**14 Conveying Equipment**  
**14 01 Operation and Maintenance of Conveying Equipment**  
**14 01 20 Operation and Maintenance of Elevators**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01	20 71-0048	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL).....	426.30	344.90
14 01	20 71-0049	EA	Hoistway Door Interlock Set, Single Speed Center Opening (GAL Manufacturing).....	733.84	344.90
14 01	20 71-0050	EA	Fire Service Key Switch Controller.....	3,715.59	689.80
14 01	20 71-0051	EA	ADA Telephone (Rath Microtech).....	1,176.73	344.90
14 01	20 71-0052	EA	Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL Manufacturing).....	8,426.13	1,379.60
14 01	20 71-0053	EA	Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL Manufacturing).....	9,113.55	1,379.60
14 01	20 71-0054	EA	Car Door Safety Edge (Infrared Proximity Type Edge).....	2,612.00	344.90
14 01	20 71-0055	EA	Car Operating Panel (ADA, Fire, Position, Chime).....	8,914.56	1,379.60
14 01	20 71-0056	EA	Car Position LED Indicator And Cover Plate, Stainless Steel.....	1,910.88	344.90
14 01	20 71-0057	EA	Car Traveling Lanterns With Audible Signal.....	1,631.67	344.90
14 01	20 71-0058	EA	Hoistway Door Jamb Floor Tags (Braille).....	237.57	172.45
14 01	20 71-0059	EA	Lobby Vandal Resistant Call Station.....	1,532.18	344.90
14 01	20 71-0060	LF	Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial).....	20.91	
			Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0061 for Removal and Replacement of Traveling Cable.		
14 01	20 71-0061	EA	Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial).....	5,518.40	2,759.20
			Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0060 for Traveling Cable material.		
14 01	20 71-0062	LF	Governor Cable.....	1.63	
			Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.		
14 01	20 71-0063	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels.....	6,394.10	689.80
14 01	20 71-0064	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels.....	9,288.50	689.80
14 01	20 71-0065	EA	Removal And Replacement Of Governor.....	5,361.78	689.80
14 01	20 71-0066	EA	Removal And Replacement Of Car Station.....	8,480.40	1,379.60
14 01	20 71-0067	EA	Removal And Replacement Of Telephone.....	1,767.34	344.90
14 01	20 71-0068	EA	Removal And Replacement Of Hall Lanterns.....	1,322.95	344.90
14 01	20 71-0069	EA	Hall Call Buttons, Vandal Resistant.....	1,051.60	344.90
14 01	20 71-0070	EA	Hall Traveling Lanterns With Audible Signal.....	1,667.85	344.90
14 01	20 71-0071	EA	Add Raised Character (Braille) Signage To Control Panel.....	193.62	172.45
14 01	20 71-0072	EA	New Microprocessor Based Controller (Non-Proprietary).....	46,085.70	5,518.40
14 01	20 71-0073	EA	New Steel Shell And Canopy (Excludes Plastic Panels), For 5' x 7' Cab.....	26,367.60	5,518.40
14 01	20 71-0074	EA	New Steel Shell, Canopy And Platform (Excludes Plastic Laminate), For 5' x 7' Cab.....	40,931.00	5,518.40
14 01	20 71-0075	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Baked Enamel.....	3,263.34	
14 01	20 71-0076	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Baked Enamel.....	3,462.33	
14 01	20 71-0077	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Stainless Steel.....	3,681.22	
14 01	20 71-0078	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Stainless Steel.....	3,920.01	
14 01	20 71-0079	EA	Elevator Pit Ladder, Steel.....	3,064.35	344.90
			Note: Labor cost is for bolting to concrete pit wall.		
14 01	20 71-0080	EA	New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab.....	50,926.20	5,518.40
14 01	20 71-0081	LF	Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5.....	126.66	
			Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01	20 71-0082	LF	Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7.....	135.04	
			Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01	20 71-0083	LF	Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4.....	140.80	
			Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01	20 71-0084	EA	Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP).....	9,356.05	689.80
14 01	20 71-0085	EA	6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening).....	3,697.50	689.80
			Note: Cladding typically done by metal company.		
14 01	20 71-0086	EA	8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening).....	3,787.95	689.80
			Note: Cladding typically done by metal company.		
14 01	20 71-0087	EA	10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening).....	3,878.40	689.80
			Note: Cladding typically done by metal company.		
14 01	20 71-0088	EA	12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening).....	3,986.94	689.80
			Note: Cladding typically done by metal company.		
14 01	20 71-0089	EA	"Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable.....	8,400.90	689.80
14 01	20 71-0090	EA	"Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable.....	8,400.90	689.80
14 01	20 71-0091	EA	"Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable.....	12,018.90	689.80
14 01	20 71-0092	EA	"Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable.....	13,827.90	689.80
14 01	20 71-0093	EA	60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	3,834.16	175.15
14 01	20 71-0094	EA	100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	4,017.26	210.19
14 01	20 71-0095	EA	200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	5,252.42	245.22
14 01	20 71-0096	EA	Aluminum Handrail Spacers With Set Screw.....	210.02	172.45
14 01	20 71-0097	EA	Bronze Handrail Spacers With Set Screw.....	215.03	172.45
14 01	20 71-0098	LF	1/2" x 2" Round Stainless Steel Elevator Handrail.....	147.19	40.57
14 01	20 71-0099	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish.....	141.29	40.57
14 01	20 71-0100	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish.....	168.86	40.57
14 01	20 71-0101	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish.....	187.53	40.57
14 01	20 71-0102	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish.....	215.32	40.57
14 01	20 71-0103	LF	3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish.....	172.33	40.57
14 01	20 71-0104	LF	3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish.....	196.86	40.57
14 01	20 71-0105	LF	3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish.....	309.42	40.57
14 01	20 71-0106	LF	3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish.....	348.35	40.57
14 01	20 71-0107	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	140.35	40.57
14 01	20 71-0108	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	141.85	40.57
14 01	20 71-0109	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	182.61	40.57
14 01	20 71-0110	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	170.60	40.57
14 01	20 71-0111	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	183.40	40.57
14 01	20 71-0112	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	231.18	40.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0113 LF 3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish.....	176.68	40.57
14 01 20 71-0114 LF 3/8" x 2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish.....	180.80	40.57
14 01 20 71-0115 LF 3/8" x 2-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish.....	306.49	40.57
14 01 20 71-0116 LF 3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Mirror Finish.....	199.25	40.57
14 01 20 71-0117 LF 3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish.....	307.28	40.57
14 01 20 71-0118 LF 3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish.....	348.35	40.57

## 14 20 Elevators <sup>(14)</sup>

Note: Excludes final electrical work or shaft walls.

### 14 21 Electric Traction Elevators <sup>(14 20)</sup>

#### 14 21 13 Electric Traction Freight Elevators <sup>(14 21)</sup>

##### 14 21 13 00-0001 Electric Traction Freight Elevators <sup>(14 21 13)</sup>

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002	EA	Electric Traction Freight Elevator, 4,000 LB x 200 FPM, 6 Stops, 6 Openings.....	412,819.40	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	254.64	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	636.60	
		<i>For Each Opening With Two Speed Doors, Add</i>	763.92	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,412.80	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	8,119.20	
		<i>For Stainless Steel Cab Interior, Add</i>	10,825.60	
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
		<i>For Class "C-1" Loading, Add</i>	2,254.43	
		<i>For Class "C-2" Loading, Add</i>	2,706.40	
		<i>For Class "C-3" Loading, Add</i>	3,702.36	
		<i>For Removal Of Existing Stop, Add</i>	8,467.50	
		<i>For Each Additional Stop, Add</i>	40,113.54	
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-29,876.52	
		<i>For Each Additional 50 FPM, Add</i>	8,119.20	
		<i>For Removal Of Existing Elevator, Add</i>	42,337.49	
14 21 13 00-0003	EA	Electric Traction Freight Elevator, 5,000 LB x 200 FPM, 6 Stops, 6 Openings.....	442,221.44	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	254.64	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	636.60	
		<i>For Each Opening With Two Speed Doors, Add</i>	763.92	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,412.80	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	8,119.20	
		<i>For Stainless Steel Cab Interior, Add</i>	10,825.60	
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
		<i>For Class "C-1" Loading, Add</i>	4,508.86	
		<i>For Class "C-2" Loading, Add</i>	5,412.80	
		<i>For Class "C-3" Loading, Add</i>	7,502.14	
		<i>For Removal Of Existing Stop, Add</i>	8,467.50	
		<i>For Each Additional Stop, Add</i>	40,113.54	
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-29,876.52	
		<i>For Each Additional 50 FPM, Add</i>	8,119.20	
		<i>For Removal Of Existing Elevator, Add</i>	42,337.49	
14 21 13 00-0004	EA	Electric Traction Freight Elevator, 6,000 LB x 200 FPM, 6 Stops, 6 Openings.....	472,946.07	
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
		<i>For Class "C-1" Loading, Add</i>	4,508.86	
		<i>For Class "C-2" Loading, Add</i>	5,412.80	
		<i>For Class "C-3" Loading, Add</i>	7,502.14	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	6,766.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	9,472.40	
		<i>For Stainless Steel Cab Interior, Add</i>	12,178.80	
		<i>For Removal Of Existing Stop, Add</i>	8,467.50	
		<i>For Each Additional Stop, Add</i>	41,466.74	
		<i>For Each Additional 50 FPM, Add</i>	8,119.20	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	405.96	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	811.92	
		<i>For Each Opening With Two Speed Doors, Add</i>	1,014.90	
		<i>For Removal Of Existing Elevator, Add</i>	42,337.49	
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-30,876.52	
14 21 13 00-0005	EA	Electric Traction Freight Elevator, 7,000 LB x 200 FPM, 6 Stops, 6 Openings.....	485,211.20	
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
		<i>For Class "C-1" Loading, Add</i>	4,508.86	
		<i>For Class "C-2" Loading, Add</i>	5,412.80	
		<i>For Class "C-3" Loading, Add</i>	7,502.14	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	6,766.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	9,472.40	
		<i>For Stainless Steel Cab Interior, Add</i>	12,178.80	
		<i>For Removal Of Existing Stop, Add</i>	8,467.50	
		<i>For Each Additional Stop, Add</i>	41,466.74	
		<i>For Each Additional 50 FPM, Add</i>	8,119.20	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	405.96	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	811.92	
		<i>For Each Opening With Two Speed Doors, Add</i>	1,014.90	
		<i>For Removal Of Existing Elevator, Add</i>	42,337.49	
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-30,876.52	

**14 Conveying Equipment****14 20 Elevators****14 21 Electric Traction Elevators**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

14 21 13 00-0006	EA	Electric Traction Freight Elevator, 8,000 LB x 200 FPM, 6 Stops, 6 Openings.....	500,120.07	
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
		<i>For Each Additional 50 FPM, Add</i>	12,732.00	
		<i>For Class "C-1" Loading, Add</i>	9,020.43	
		<i>For Class "C-2" Loading, Add</i>	10,825.60	
		<i>For Class "C-3" Loading, Add</i>	14,809.42	
		<i>For Removal Of Existing Stop, Add</i>	8,467.50	
		<i>For Each Additional Stop, Add</i>	41,466.74	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	541.28	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	947.24	
		<i>For Each Opening With Two Speed Doors, Add</i>	1,150.22	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	8,119.20	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,825.60	
		<i>For Stainless Steel Cab Interior, Add</i>	13,532.00	
		<i>For Removal Of Existing Elevator, Add</i>	42,337.49	
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-30,876.52	
14 21 13 00-0007	EA	Electric Traction Freight Elevator, 10,000 LB x 200 FPM, 6 Stops, 6 Openings.....	517,722.31	
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
		<i>For Each Additional 50 FPM, Add</i>	12,732.00	
		<i>For Class "C-1" Loading, Add</i>	9,020.43	
		<i>For Class "C-2" Loading, Add</i>	10,825.60	
		<i>For Class "C-3" Loading, Add</i>	14,809.42	
		<i>For Removal Of Existing Stop, Add</i>	8,467.50	
		<i>For Each Additional Stop, Add</i>	41,466.74	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	541.28	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	947.24	
		<i>For Each Opening With Two Speed Doors, Add</i>	1,150.22	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	8,119.20	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,825.60	
		<i>For Stainless Steel Cab Interior, Add</i>	13,532.00	
		<i>For Removal Of Existing Elevator, Add</i>	42,337.49	
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-30,876.52	
14 21 13 00-0008	EA	Electric Traction Freight Elevator, 12,000 LB x 200 FPM, 6 Stops, 6 Openings.....	532,076.29	
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
		<i>For Each Additional 50 FPM, Add</i>	12,732.00	
		<i>For Class "C-1" Loading, Add</i>	9,020.43	
		<i>For Class "C-2" Loading, Add</i>	10,825.60	
		<i>For Class "C-3" Loading, Add</i>	14,809.42	
		<i>For Removal Of Existing Stop, Add</i>	8,467.50	
		<i>For Each Additional Stop, Add</i>	41,466.74	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	541.28	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	947.24	
		<i>For Each Opening With Two Speed Doors, Add</i>	1,150.22	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	8,119.20	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,825.60	
		<i>For Stainless Steel Cab Interior, Add</i>	13,532.00	
		<i>For Removal Of Existing Elevator, Add</i>	42,337.49	
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-30,876.52	

**14 21 23 Electric Traction Passenger Elevators (14 21)****14 21 23 13 Machine Room Electric Traction Passenger Elevators (14 21 23)****14 21 23 13-0001 Electric Traction Passenger Elevators (14 21 23 13)**

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.

14 21 23 13-0002	EA	Electric Traction Passenger Elevator, 2,000 LB x 200 FPM, 6 Stops, 6 Openings.....	325,256.54	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	254.64	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	636.60	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,412.80	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	8,119.20	
		<i>For Stainless Steel Cab Interior, Add</i>	10,825.60	
		<i>For Each Additional 50 FPM, Add</i>	5,251.95	
		<i>For Removal Of Existing Stop, Add</i>	4,233.75	
		<i>For Each Additional Stop, Add</i>	40,113.54	
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-20,584.37	
		<i>For Removal Of Existing Elevator, Add</i>	31,753.13	
14 21 23 13-0003	EA	Electric Traction Passenger Elevator, 2,500 LB x 200 FPM, 6 Stops, 6 Openings.....	333,752.95	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	254.64	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	636.60	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,412.80	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	8,119.20	
		<i>For Stainless Steel Cab Interior, Add</i>	10,825.60	
		<i>For Each Additional 50 FPM, Add</i>	5,251.95	
		<i>For Removal Of Existing Stop, Add</i>	4,233.75	
		<i>For Each Additional Stop, Add</i>	40,113.54	
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-20,584.37	
		<i>For Removal Of Existing Elevator, Add</i>	31,753.13	





		<b>Conveying Equipment</b>	<b>14</b>
		<b>Elevators</b>	<b>14 20</b>
		<b>Electric Traction Elevators</b>	<b>14 21</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23 13-0004 EA Electric Traction Passenger Elevator, 3,000 LB x 200 FPM, 6 Stops, 6 Openings.....	339,720.14	
For Each Opening With Bonderized Steel Door, Add	254.64	
For Each Opening With Stainless Steel Doors, Add	636.60	
For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
For Stainless Steel Cab Interior, Add	10,825.60	
For Each Additional 50 FPM, Add	5,251.95	
For Removal Of Existing Stop, Add	4,233.75	
For Each Additional Stop, Add	40,113.54	
For Each Floor < 6 Stops, Deduct	-20,584.37	
For Removal Of Existing Elevator, Add	31,753.13	
14 21 23 13-0005 EA Electric Traction Passenger Elevator, 3,500 LB x 200 FPM, 6 Stops, 6 Openings.....	344,310.01	
For Each Opening With Bonderized Steel Door, Add	254.64	
For Each Opening With Stainless Steel Doors, Add	636.60	
For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
For Stainless Steel Cab Interior, Add	10,825.60	
For Each Additional 50 FPM, Add	5,251.95	
For Removal Of Existing Stop, Add	4,233.75	
For Each Additional Stop, Add	40,113.54	
For Each Floor < 6 Stops, Deduct	-20,584.37	
For Removal Of Existing Elevator, Add	31,753.13	
14 21 23 13-0006 EA Electric Traction Passenger Elevator, 4,000 LB x 200 FPM, 6 Stops, 6 Openings.....	349,732.81	
For Each Opening With Bonderized Steel Door, Add	254.64	
For Each Opening With Stainless Steel Doors, Add	636.60	
For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
For Stainless Steel Cab Interior, Add	10,825.60	
For Each Additional 50 FPM, Add	5,251.95	
For Removal Of Existing Stop, Add	4,233.75	
For Each Additional Stop, Add	40,113.54	
For Each Floor < 6 Stops, Deduct	-20,584.37	
For Removal Of Existing Elevator, Add	31,753.13	
14 21 23 13-0007 EA Electric Traction Passenger Elevator, 4,500 LB x 200 FPM, 6 Stops, 6 Openings.....	355,994.68	
For Each Opening With Bonderized Steel Door, Add	254.64	
For Each Opening With Stainless Steel Doors, Add	636.60	
For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
For Stainless Steel Cab Interior, Add	10,825.60	
For Each Additional 50 FPM, Add	5,251.95	
For Removal Of Existing Stop, Add	4,233.75	
For Each Additional Stop, Add	40,113.54	
For Each Floor < 6 Stops, Deduct	-20,584.37	
For Removal Of Existing Elevator, Add	31,753.13	
14 21 23 13-0008 EA Electric Traction Passenger Elevator, 5,000 LB x 200 FPM, 6 Stops, 6 Openings.....	362,461.23	
For Each Opening With Bonderized Steel Door, Add	254.64	
For Each Opening With Stainless Steel Doors, Add	636.60	
For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
For Stainless Steel Cab Interior, Add	10,825.60	
For Each Additional 50 FPM, Add	5,251.95	
For Removal Of Existing Stop, Add	4,233.75	
For Each Additional Stop, Add	40,113.54	
For Each Floor < 6 Stops, Deduct	-20,584.37	
For Removal Of Existing Elevator, Add	31,753.13	

**14 24 Hydraulic Elevators** (14 20)

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

**14 24 13 Hydraulic Freight Elevators** (14 24)

**14 24 13 00-0001 Hydraulic Freight Elevators** (14 24 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

**14 Conveying Equipment****14 20 Elevators****14 24 Hydraulic Elevators**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0002	EA		Hydraulic Freight Elevator, 3,000 LB x 50 FPM, 3 Stops, 3 Openings.....	197,444.78	
			For Each Additional Stop, Add	24,175.42	
			For 2 Stops, Deduct	-15,704.51	
			For Each Opening With Bonderized Steel Door, Add	254.64	
			For Each Opening With Stainless Steel Doors, Add	636.60	
			For Each Opening With Two Speed Doors, Add	763.92	
			For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
			For Stainless Steel Cab Interior, Add	10,825.60	
			For Each Additional 50 FPM, Add	2,546.40	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Class "C-1" Loading, Add	2,254.43	
			For Class "C-2" Loading, Add	2,706.40	
			For Class "C-3" Loading, Add	3,702.36	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	286.32	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	77.94	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	121.79	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,467.50	
			For Removal Of Existing Elevator, Add	21,168.74	
14 24 13 00-0003	EA		Hydraulic Freight Elevator, 3,500 LB x 50 FPM, 3 Stops, 3 Openings.....	203,783.70	
			For Each Additional Stop, Add	24,175.42	
			For 2 Stops, Deduct	-15,704.51	
			For Each Opening With Bonderized Steel Door, Add	254.64	
			For Each Opening With Stainless Steel Doors, Add	636.60	
			For Each Opening With Two Speed Doors, Add	763.92	
			For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
			For Stainless Steel Cab Interior, Add	10,825.60	
			For Each Additional 50 FPM, Add	2,546.40	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Class "C-1" Loading, Add	2,254.43	
			For Class "C-2" Loading, Add	2,706.40	
			For Class "C-3" Loading, Add	3,702.36	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	286.32	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	77.94	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	121.79	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,467.50	
			For Removal Of Existing Elevator, Add	21,168.74	
14 24 13 00-0004	EA		Hydraulic Freight Elevator, 4,000 LB x 50 FPM, 3 Stops, 3 Openings.....	209,860.70	
			For Each Additional Stop, Add	24,175.42	
			For 2 Stops, Deduct	-15,704.51	
			For Each Opening With Bonderized Steel Door, Add	254.64	
			For Each Opening With Stainless Steel Doors, Add	636.60	
			For Each Opening With Two Speed Doors, Add	763.92	
			For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
			For Stainless Steel Cab Interior, Add	10,825.60	
			For Each Additional 50 FPM, Add	2,546.40	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Class "C-1" Loading, Add	2,254.43	
			For Class "C-2" Loading, Add	2,706.40	
			For Class "C-3" Loading, Add	3,702.36	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	286.32	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	77.94	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	121.79	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,467.50	
			For Removal Of Existing Elevator, Add	21,168.74	
14 24 13 00-0005	EA		Hydraulic Freight Elevator, 5,000 LB x 50 FPM, 3 Stops, 3 Openings.....	215,746.58	
			For Each Opening With Bonderized Steel Door, Add	254.64	
			For Each Opening With Stainless Steel Doors, Add	636.60	
			For Each Opening With Two Speed Doors, Add	763.92	
			For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
			For Stainless Steel Cab Interior, Add	10,825.60	
			For Each Additional 50 FPM, Add	2,546.40	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	25,448.62	
			For 2 Stops, Deduct	-16,704.51	
			For Class "C-1" Loading, Add	4,508.86	
			For Class "C-2" Loading, Add	5,412.80	
			For Class "C-3" Loading, Add	7,502.14	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	286.32	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	77.94	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	121.79	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,467.50	
			For Removal Of Existing Elevator, Add	21,168.74	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24	13 00-0006	EA	Hydraulic Freight Elevator, 6,000 LB x 50 FPM, 3 Stops, 3 Openings.....	228,047.35	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	254.64	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	636.60	
			<i>For Each Opening With Two Speed Doors, Add</i>	763.92	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional Stop, Add</i>	25,448.62	
			<i>For 2 Stops, Deduct</i>	-16,704.51	
			<i>For Class "C-1" Loading, Add</i>	4,508.86	
			<i>For Class "C-2" Loading, Add</i>	5,412.80	
			<i>For Class "C-3" Loading, Add</i>	7,502.14	
			<i>For Each Additional 50 FPM, Add</i>	12,732.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	6,766.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	9,472.40	
			<i>For Stainless Steel Cab Interior, Add</i>	12,178.80	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	286.32	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	77.94	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	121.79	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	8,467.50	
			<i>For Removal Of Existing Elevator, Add</i>	21,168.74	
14 24	13 00-0007	EA	Hydraulic Freight Elevator, 7,000 LB x 50 FPM, 3 Stops, 3 Openings.....	233,943.05	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	254.64	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	636.60	
			<i>For Each Opening With Two Speed Doors, Add</i>	763.92	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional Stop, Add</i>	25,448.62	
			<i>For 2 Stops, Deduct</i>	-16,704.51	
			<i>For Class "C-1" Loading, Add</i>	4,508.86	
			<i>For Class "C-2" Loading, Add</i>	5,412.80	
			<i>For Class "C-3" Loading, Add</i>	7,502.14	
			<i>For Each Additional 50 FPM, Add</i>	12,732.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	6,766.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	9,472.40	
			<i>For Stainless Steel Cab Interior, Add</i>	12,178.80	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	286.32	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	77.94	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	121.79	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	8,467.50	
			<i>For Removal Of Existing Elevator, Add</i>	31,753.13	
14 24	13 00-0008	EA	Hydraulic Freight Elevator, 8,000 LB x 50 FPM, 3 Stops, 3 Openings.....	242,894.53	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	254.64	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	636.60	
			<i>For Each Opening With Two Speed Doors, Add</i>	763.92	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional Stop, Add</i>	25,448.62	
			<i>For 2 Stops, Deduct</i>	-16,704.51	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	6,766.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	9,472.40	
			<i>For Stainless Steel Cab Interior, Add</i>	12,178.80	
			<i>For Each Additional 50 FPM, Add</i>	14,005.20	
			<i>For Class "C-1" Loading, Add</i>	11,272.16	
			<i>For Class "C-2" Loading, Add</i>	13,532.00	
			<i>For Class "C-3" Loading, Add</i>	18,511.78	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	286.32	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	77.94	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	121.79	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	8,467.50	
			<i>For Removal Of Existing Elevator, Add</i>	31,753.13	
14 24	13 00-0009	EA	Hydraulic Freight Elevator, 10,000 LB x 50 FPM, 3 Stops, 3 Openings.....	249,306.60	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	254.64	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	636.60	
			<i>For Each Opening With Two Speed Doors, Add</i>	763.92	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional Stop, Add</i>	25,448.62	
			<i>For 2 Stops, Deduct</i>	-16,704.51	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	6,766.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	9,472.40	
			<i>For Stainless Steel Cab Interior, Add</i>	12,178.80	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	286.32	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	77.94	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	121.79	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	8,467.50	
			<i>For Removal Of Existing Elevator, Add</i>	31,753.13	
			<i>For Each Additional 50 FPM, Add</i>	15,278.40	
			<i>For Class "C-1" Loading, Add</i>	14,992.10	
			<i>For Class "C-2" Loading, Add</i>	17,997.56	
			<i>For Class "C-3" Loading, Add</i>	24,620.12	

**14 Conveying Equipment****14 20 Elevators****14 24 Hydraulic Elevators**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

14 24 13 00-0010	EA	Hydraulic Freight Elevator, 12,000 LB x 50 FPM, 3 Stops, 3 Openings.....	260,384.60
		<i>For Each Opening With Bonderized Steel Door, Add</i>	254.64
		<i>For Each Opening With Stainless Steel Doors, Add</i>	636.60
		<i>For Each Opening With Two Speed Doors, Add</i>	763.92
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00
		<i>For Each Additional Stop, Add</i>	25,448.62
		<i>For 2 Stops, Deduct</i>	-16,704.51
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	6,766.00
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	9,472.40
		<i>For Stainless Steel Cab Interior, Add</i>	12,178.80
		<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	286.32
		<i>Note: Includes Labor and Equipment.</i>	
		<i>For 12" PVC Liner, Add Per LF</i>	77.94
		<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>	
		<i>For 12" Steel Liner, Add Per LF</i>	121.79
		<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>	
		<i>For Removal Of Existing Stop, Add</i>	8,467.50
		<i>For Removal Of Existing Elevator, Add</i>	31,753.13
		<i>For Each Additional 50 FPM, Add</i>	15,278.40
		<i>For Class "C-1" Loading, Add</i>	14,992.10
		<i>For Class "C-2" Loading, Add</i>	17,997.56
		<i>For Class "C-3" Loading, Add</i>	24,620.12

**14 24 13 00-0011 Hydraulic Elevators Piston Drilling <sup>(142413)</sup>**

14 24 13 00-0012	VLF	Up To 6" Diameter Piston Drilling .....	91.24
		<i>Note: Includes casing.</i>	
14 24 13 00-0013	VLF	8" To 10" Diameter Piston Drilling.....	109.03
		<i>Note: Includes casing.</i>	

**14 24 23 Hydraulic Passenger Elevators <sup>(1424)</sup>****14 24 23 00-0001 Hydraulic Passenger Elevators <sup>(142423)</sup>**

*Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.*

14 24 23 00-0002	EA	Hydraulic Passenger Elevator, 2,100 LB x 100 FPM, 3 Stops, 3 Openings.....	139,066.69
		<i>For Each Additional Stop, Add</i>	24,175.42
		<i>For Each Opening With Bonderized Steel Door, Add</i>	254.64
		<i>For Each Opening With Stainless Steel Doors, Add</i>	636.60
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,412.80
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	8,119.20
		<i>For Stainless Steel Cab Interior, Add</i>	10,825.60
		<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	286.32
		<i>Note: Includes Labor and Equipment.</i>	
		<i>For 12" PVC Liner, Add Per LF</i>	77.94
		<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>	
		<i>For 12" Steel Liner, Add Per LF</i>	121.79
		<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>	
		<i>For Each Additional 50 FPM, Add</i>	5,251.95
		<i>For Removal Of Existing Elevator, Add</i>	21,168.74
		<i>For Removal Of Existing Stop, Add</i>	4,233.75
		<i>For 2 Stops, Deduct</i>	-10,000.00
14 24 23 00-0003	EA	Hydraulic Passenger Elevator, 2,500 LB x 100 FPM, 3 Stops, 3 Openings.....	141,613.09
		<i>For Each Additional Stop, Add</i>	24,175.42
		<i>For Each Opening With Bonderized Steel Door, Add</i>	254.64
		<i>For Each Opening With Stainless Steel Doors, Add</i>	636.60
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,412.80
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	8,119.20
		<i>For Stainless Steel Cab Interior, Add</i>	10,825.60
		<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	286.32
		<i>Note: Includes Labor and Equipment.</i>	
		<i>For 12" PVC Liner, Add Per LF</i>	77.94
		<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>	
		<i>For 12" Steel Liner, Add Per LF</i>	121.79
		<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>	
		<i>For Each Additional 50 FPM, Add</i>	5,251.95
		<i>For Removal Of Existing Elevator, Add</i>	21,168.74
		<i>For Removal Of Existing Stop, Add</i>	4,233.75
		<i>For 2 Stops, Deduct</i>	-10,000.00
14 24 23 00-0004	EA	Hydraulic Passenger Elevator, 3,000 LB x 100 FPM, 3 Stops, 3 Openings.....	143,363.74
		<i>For Each Additional Stop, Add</i>	24,175.42
		<i>For Each Opening With Bonderized Steel Door, Add</i>	254.64
		<i>For Each Opening With Stainless Steel Doors, Add</i>	636.60
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,412.80
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	8,119.20
		<i>For Stainless Steel Cab Interior, Add</i>	10,825.60
		<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	286.32
		<i>Note: Includes Labor and Equipment.</i>	
		<i>For 12" PVC Liner, Add Per LF</i>	77.94
		<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>	
		<i>For 12" Steel Liner, Add Per LF</i>	121.79
		<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>	
		<i>For Each Additional 50 FPM, Add</i>	5,251.95
		<i>For Removal Of Existing Elevator, Add</i>	21,168.74
		<i>For Removal Of Existing Stop, Add</i>	4,233.75
		<i>For 2 Stops, Deduct</i>	-10,000.00



<b>Conveying Equipment</b>	<b>14</b>
<b>Elevators</b>	<b>14 20</b>
<b>Hydraulic Elevators</b>	<b>14 24</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0005 EA Hydraulic Passenger Elevator, 3,500 LB x 100 FPM, 3 Stops, 3 Openings.....	150,094.26	
For Each Additional Stop, Add	24,175.42	
For Each Opening With Bonderized Steel Door, Add	254.64	
For Each Opening With Stainless Steel Doors, Add	636.60	
For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
For Stainless Steel Cab Interior, Add	10,825.60	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	286.32	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	77.94	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	121.79	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	5,251.95	
For Removal Of Existing Elevator, Add	21,168.74	
For Removal Of Existing Stop, Add	4,233.75	
For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0006 EA Hydraulic Passenger Elevator, 4,000 LB x 100 FPM, 3 Stops, 3 Openings.....	152,860.93	
For Each Additional Stop, Add	24,175.42	
For Each Opening With Bonderized Steel Door, Add	254.64	
For Each Opening With Stainless Steel Doors, Add	636.60	
For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
For Stainless Steel Cab Interior, Add	10,825.60	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	286.32	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	77.94	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	121.79	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	5,251.95	
For Removal Of Existing Elevator, Add	21,168.74	
For Removal Of Existing Stop, Add	4,233.75	
For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0007 EA Hydraulic Passenger Elevator, 4,500 LB x 100 FPM, 3 Stops, 3 Openings.....	156,585.04	
For Each Opening With Bonderized Steel Door, Add	254.64	
For Each Opening With Stainless Steel Doors, Add	636.60	
For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
For Stainless Steel Cab Interior, Add	10,825.60	
For Each Additional Stop, Add	25,448.62	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	286.32	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	77.94	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	121.79	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	5,251.95	
For Removal Of Existing Elevator, Add	21,168.74	
For Removal Of Existing Stop, Add	4,233.75	
For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0008 EA Hydraulic Passenger Elevator, 5,000 LB x 100 FPM, 3 Stops, 3 Openings.....	160,377.43	
For Each Opening With Bonderized Steel Door, Add	254.64	
For Each Opening With Stainless Steel Doors, Add	636.60	
For Each Opening With Two Speed Doors, Add	763.92	
For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
For Stainless Steel Cab Interior, Add	10,825.60	
For Each Additional Stop, Add	25,448.62	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	286.32	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	77.94	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	121.79	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	5,251.95	
For Removal Of Existing Elevator, Add	21,168.74	
For Removal Of Existing Stop, Add	4,233.75	
For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0009 <b>Twin Holeless Hydraulic Passenger Elevator</b> <small>(14 24 23)</small>		
Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 2 stops (10 feet floor to floor) and 2 openings.		
14 24 23 00-0010 EA Twin Holeless Hydraulic Passenger Elevator, 2,100 LB x 100 FPM.....	119,960.38	
For Each Opening With Bonderized Steel Door, Add	254.64	
For Each Opening With Stainless Steel Doors, Add	636.60	
For Custom Plastic Laminated Cab Interiors, Add	4,736.20	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,766.00	
For Stainless Steel Cab Interior, Add	8,119.20	
For Removal Of Existing Elevator, Add	21,168.74	
For Each Additional Stop, Add	23,163.61	
For An Additional 25 FPM, Add	2,145.34	

**14 Conveying Equipment****14 20 Elevators****14 24 Hydraulic Elevators**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0011 EA Twin Holeless Hydraulic Passenger Elevator, 2,500 LB x 100 FPM.....	124,459.35	
For Each Opening With Bonderized Steel Door, Add	254.64	
For Each Opening With Stainless Steel Doors, Add	636.60	
For Custom Plastic Laminated Cab Interiors, Add	4,736.20	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,766.00	
For Stainless Steel Cab Interior, Add	8,119.20	
For Removal Of Existing Elevator, Add	21,168.74	
For Each Additional Stop, Add	23,163.61	
For An Additional 25 FPM, Add	2,145.34	
14 24 23 00-0012 EA Twin Holeless Hydraulic Passenger Elevator, 3,000 LB x 100 FPM.....	128,252.43	
For Each Opening With Bonderized Steel Door, Add	254.64	
For Each Opening With Stainless Steel Doors, Add	636.60	
For Custom Plastic Laminated Cab Interiors, Add	4,736.20	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,766.00	
For Stainless Steel Cab Interior, Add	8,119.20	
For Removal Of Existing Elevator, Add	21,168.74	
For Each Additional Stop, Add	23,163.61	
For An Additional 25 FPM, Add	2,145.34	
14 24 23 00-0013 EA Twin Holeless Hydraulic Passenger Elevator, 3,500 LB x 100 FPM.....	130,810.28	
For Each Opening With Bonderized Steel Door, Add	254.64	
For Each Opening With Stainless Steel Doors, Add	636.60	
For Custom Plastic Laminated Cab Interiors, Add	4,736.20	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,766.00	
For Stainless Steel Cab Interior, Add	8,119.20	
For Removal Of Existing Elevator, Add	21,168.74	
For Each Additional Stop, Add	23,163.61	
For An Additional 25 FPM, Add	2,145.34	
<b>14 26 Limited-Use/Limited-Application Elevators (14 20)</b>		
<b>14 26 00 00-0001 Small Elevators (LULA) (14 26)</b>		
14 26 00 00-0002 EA Small Elevators (LULA), 1,400 LB x 30 FPM, 2 Stops, 2 Openings.....	89,225.89	
Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.		
For Each Additional Stop, Add	21,235.82	
For Removal Of Existing Elevator, Add	6,350.62	
<b>14 27 Custom Elevator Cabs and Doors (14 20)</b>		
<b>14 27 13 Custom Elevator Cab Finishes (14 27)</b>		
14 27 13 00-0001 Custom Elevator Cab Finish Options (14 27 13)		
Note: Review elevator task modifiers for additional cab finishes.		
14 27 13 00-0002 EA Intercom Service.....	1,319.72	
14 27 13 00-0003 Custom Elevator Hall Finish Options (14 27 13)		
14 27 13 00-0004 EA Stainless Steel Door, Hall Finishes.....	1,619.11	
14 27 13 00-0005 EA Stainless Steel Frames, Hall Finishes.....	1,701.44	
14 27 13 00-0006 EA Hall Lantern, Signal Devices.....	857.16	
<b>14 27 16 Custom Elevator Doors (14 27)</b>		
14 27 16 00-0001 Custom Elevator Door Options (14 27 16)		
14 27 16 00-0002 EA Center Opening, 1 Speed Doors.....	3,335.32	
14 27 16 00-0003 EA Center Opening, 2 Speed Doors.....	4,268.36	
14 27 16 00-0004 EA Rear Opening Doors (Opposite Front).....	5,942.35	
14 27 16 00-0005 EA Side Opening, 2 Speed Doors.....	9,427.55	
14 27 16 00-0006 EA Bi-Parting Doors.....	10,065.37	
14 27 16 00-0007 EA Power Operated Door And Gate.....	30,866.79	
<b>14 28 Elevator Equipment and Controls (14 20)</b>		
<b>14 28 16 Elevator Controls (14 28)</b>		
14 28 16 00-0001 Passenger Or Freight Elevator Options (14 28 16)		
14 28 16 00-0002 EA 2 Car Group, Elevator Automatic Controls.....	7,958.95	1,045.91
14 28 16 00-0003 EA 3 Car Group, Elevator Automatic Controls.....	12,048.40	1,567.74
14 28 16 00-0004 EA 4 Car Group, Elevator Automatic Controls.....	18,452.73	2,090.31
14 28 16 00-0005 EA 5 Car Group, Elevator Automatic Controls.....	25,802.25	2,653.06
14 28 16 00-0006 EA 6 Car Group, Elevator Automatic Controls.....	35,674.60	3,135.45
14 28 16 00-0007 EA Duplex Care Selective Collective.....	7,595.55	
14 28 16 00-0008 EA Automatic Emergency Power Switching.....	4,604.32	
14 28 16 00-0009 EA Manual Emergency Power Switching.....	851.67	
14 28 16 00-0010 EA Up To 3, Position Indicator, Signal Devices.....	203.03	
14 28 16 00-0011 EA >3, Position Indicator, Signal Devices.....	170.38	
14 28 16 00-0012 EA High Speed Heavy Duty Door Opener.....	3,018.68	
14 28 16 00-0013 EA Variable Voltage, Overhead Gearless Machine, Minimum.....	50,980.72	
14 28 16 00-0014 EA Variable Voltage, Overhead Gearless Machine, Average.....	83,229.06	



<b>Conveying Equipment</b>	<b>14</b>	<b>14</b>
Elevators	14 20	
Elevator Equipment and Controls	14 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 28 16 00-0015 EA Variable Voltage, Overhead Gearless Machine, Maximum.....	115,345.18	
14 28 16 00-0016 EA Variable Voltage, Basement Installed Geared Machine, Minimum .....	21,338.36	
14 28 16 00-0017 EA Variable Voltage, Basement Installed Geared Machine, Average .....	26,387.78	
14 28 16 00-0018 EA Variable Voltage, Basement Installed Geared Machine, Maximum .....	29,241.80	

## 14 40 Lifts <sup>(14)</sup>

### 14 42 Wheelchair Lifts <sup>(14 40)</sup>

#### 14 42 13 Inclined Wheelchair Lifts <sup>(14 42)</sup>

##### 14 42 13 00-0001 Chair Lift-Stair Climber <sup>(14 42 13)</sup>

Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002 EA Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 LB Capacity.....	7,463.00	1,026.35
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Note: Includes top and bottom call button, safety chair, track, and power unit.

#### 14 42 16 Vertical Wheelchair Lifts <sup>(14 42)</sup>

##### 14 42 16 00-0001 Wheelchair Lift (Shorty) <sup>(14 42 16)</sup>

14 42 16 00-0002 EA 36" Vertical Travel Wheelchair Platform Scissor Lift.....	8,924.04	718.45
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Note: 1000 LB capacity. Includes handrails and manual ramp.

For Accordion Safety Skirt, Add

1,002.60

For Removable Handrails, Add

102.18

For Power Operated Ramp, Add

894.04

14 42 16 00-0003 EA 42" Vertical Travel Wheelchair Platform Scissor Lift.....	10,976.23	898.05
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Note: 1000 LB capacity. Includes handrails and manual ramp.

For 2,000 LB Capacity, Add

600.28

For 3,000 LB Capacity, Add

1,002.60

For 4,000 LB Capacity, Add

1,500.71

For Accordion Safety Skirt, Add

1,002.60

For Removable Handrails, Add

102.18

For Power Operated Ramp, Add

894.04

14 42 16 00-0004 EA 70" Vertical Travel Wheelchair Platform Scissor Lift.....	13,087.05	1,167.47
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Note: 1000 LB capacity. Includes handrails and manual ramp.

For 2,000 LB Capacity, Add

600.28

For 3,000 LB Capacity, Add

1,002.60

For 4,000 LB Capacity, Add

1,500.71

For Accordion Safety Skirt, Add

1,002.60

For Removable Handrails, Add

102.18

For Power Operated Ramp, Add

894.04

14 42 16 00-0005 EA 84" Vertical Travel Wheelchair Platform Scissor Lift.....	14,705.01	1,347.08
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Note: 1000 LB capacity. Includes handrails and manual ramp.

For 2,000 LB Capacity, Add

600.28

For 3,000 LB Capacity, Add

1,002.60

For 4,000 LB Capacity, Add

1,500.71

For Accordion Safety Skirt, Add

1,002.60

For Removable Handrails, Add

102.18

For Power Operated Ramp, Add

894.04

14 42 16 00-0006 EA 18' Travel Wheelchair Incline Lift.....	15,203.76	641.47
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Note: 500 LB capacity, interior installation.

## 14 90 Other Conveying Equipment <sup>(14)</sup>

### 14 91 Facility Chutes <sup>(14 90)</sup>

#### 14 91 82 Trash Chutes <sup>(14 91)</sup>

##### 14 91 82 00-0001 Trash Chutes <sup>(14 91 82)</sup>

14 91 82 00-0002 LF 18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	34.26	4.23
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For Aluminum, Add

2.62

For Stainless Steel, Add

9.17

14 91 82 00-0003 LF 24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	44.23	4.23
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For Aluminum, Add

3.54

For Stainless Steel, Add

12.40

14 91 82 00-0004 LF 30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	48.79	5.29
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For Aluminum, Add

3.93

For Stainless Steel, Add

13.75

14 91 82 00-0005 LF 36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	75.02	5.29
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For Aluminum, Add

6.47

For Stainless Steel, Add

22.65

14 91 82 00-0006 EA Trash Chutes, Hopper .....	739.83	29.59
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For Aluminum, Add

68.03

For Stainless Steel, Add

238.09

14 91 82 00-0007 EA Trash Chutes, Skylight.....	353.13	58.13
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For Aluminum, Add

23.66

For Stainless Steel, Add

82.81

14 91 82 00-0008 EA Trash Chutes, Sprinkler Unit At Top .....	237.52	63.41
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For Aluminum, Add

10.35

For Stainless Steel, Add

36.23

**14 Conveying Equipment****14 90 Other Conveying Equipment**

## 14 91 Facility Chutes



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 91 82 00-0009	EA		Trash Chutes, Sprinkler Unit At Intake Hopper .....	62.42	22.19
			<i>For Aluminum, Add</i>	1.78	
			<i>For Stainless Steel, Add</i>	6.21	
14 91 82 00-0010	EA		Refuse Type Bottom Storage Hopper Unit.....	605.25	79.26
			<i>For Aluminum, Add</i>	43.77	
			<i>For Stainless Steel, Add</i>	153.21	
14 91 82 00-0011	EA		Hopper Doors.....	1,432.46	63.56

**END OF SECTION 14**





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 21 Fire Suppression

### 21 01 Operation and Maintenance of Fire Suppression <sup>(21)</sup>

#### 21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems <sup>(21 01)</sup>

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

#### 21 01 10 91 Water-Based Fire-Suppression Systems Restoration <sup>(21 01 10)</sup>

21 01 10 91-0001		<b>Relocate Sprinkler Head And Branch Piping <sup>(21 01 10 91)</sup></b>	
21 01 10 91-0002	EA	Relocate 1 Existing Sprinkler Head And Branch Piping.....	435.86
		Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	
21 01 10 91-0003	EA	Relocate 2 To 4 Existing Sprinkler Heads And Branch Piping.....	261.52
		Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	
21 01 10 91-0004	EA	Relocate >4 To 10 Existing Sprinkler Heads And Branch Piping.....	104.61
		Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	
21 01 10 91-0005	EA	Relocate >10 Existing Sprinkler Heads And Branch Piping.....	52.30
		Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	

#### 21 01 10 91-0006 Purge And Refill System Sprinkler Piping <sup>(21 01 10 91)</sup>

Note: Includes shutting off valve, draining pipe and collection of liquid, refilling with liquid and bleeding of air from system.

21 01 10 91-0007	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	344.64
21 01 10 91-0008	EA	>100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	492.22
21 01 10 91-0009	EA	>250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	589.77
21 01 10 91-0010	EA	>500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	737.22
21 01 10 91-0011	EA	>1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	958.38
21 01 10 91-0012	LF	>2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	0.48
21 01 10 91-0013	EA	Up To 100', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	482.50
21 01 10 91-0014	EA	>100 To 250', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	689.11
21 01 10 91-0015	EA	>250 To 500', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	825.69
21 01 10 91-0016	EA	>500 To 1,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,032.10
21 01 10 91-0017	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,341.74
21 01 10 91-0018	LF	>2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	0.68
21 01 10 91-0019	EA	Up To 100', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	663.44
21 01 10 91-0020	EA	>100 To 250', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	947.53
21 01 10 91-0021	EA	>250 To 500', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,135.32
21 01 10 91-0022	EA	>500 To 1,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,419.14
21 01 10 91-0023	EA	>1,000 To 2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,844.88
21 01 10 91-0024	LF	>2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	0.93
21 01 10 91-0025	EA	Up To 100', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	895.64
21 01 10 91-0026	EA	>100 To 250', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,279.15
21 01 10 91-0027	EA	>250 To 500', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,358.05
21 01 10 91-0028	EA	>500 To 1,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,697.55
21 01 10 91-0029	EA	>1,000 To 2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	2,206.82
21 01 10 91-0030	LF	>2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1.10

#### 21 01 30 Operation and Maintenance of Fire-Suppression Equipment <sup>(21 01)</sup>

#### 21 01 30 91 Fire-Suppression Equipment Restoration <sup>(21 01 30)</sup>

21 01 30 91-0001		<b>Inspection And Recharge <sup>(21 01 30 91)</sup></b>	
21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide.....	187.42
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide.....	2.80
21 01 30 91-0004	EA	Inspection, Halon 1301.....	187.42
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301.....	67.22
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical.....	113.32
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical.....	63.02
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical.....	113.32
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical.....	5.60
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents.....	34.87
		See CSI section 23 05 93 00-0046 for testing existing piping systems.	
21 01 30 91-0011	EA	Disarm/Arm System.....	61.02

### 21 05 Common Work Results for Fire Suppression <sup>(21)</sup>

#### 21 05 13 Common Motor Requirements for Fire-Suppression Equipment

<sup>(21 05)</sup>  
Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

#### 21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping <sup>(21 05)</sup>

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

**21 Fire Suppression****21 05 Common Work Results for Fire Suppression****21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping** <sup>(21 05)</sup>

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

**21 05 19 Meters and Gages for Fire-Suppression Systems** <sup>(21 05)</sup>

See CSI section 33 19 00 00-0000 for water utility service metering.

**21 05 19 00-0001 Fire Sprinkler System Water Pressure Gauge** <sup>(21 05 19)</sup>

21 05 19 00-0002	EA	2" Diameter Dial, 0-200 PSI, Water Pressure Gauge .....	43.40	10.74
		Note: For fire sprinkler systems		
21 05 19 00-0003	EA	2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge .....	45.20	10.74
		Note: For fire sprinkler systems		
21 05 19 00-0004	EA	3" Diameter Dial, 0-300 PSI, Water Pressure Gauge .....	53.61	10.74
		Note: For fire sprinkler systems		
21 05 19 00-0005	EA	3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge .....	57.06	10.74
		Note: For fire sprinkler systems		
21 05 19 00-0006	EA	4" Diameter Dial, 0-300 PSI, Water Pressure Gauge .....	60.51	10.74
		Note: For fire sprinkler systems		

**21 05 19 00-0007 Fire Service Meter Cast Iron Housing** <sup>(21 05 19)</sup>

21 05 19 00-0008	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	4,243.30	163.92
		For >10 To 25, Deduct	-212.17	
		For >25, Deduct	-615.98	
21 05 19 00-0009	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	8,640.37	274.80
		For >10 To 25, Deduct	-432.02	
		For >25, Deduct	-1,261.62	
21 05 19 00-0010	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	11,722.54	403.49
		For >10 To 25, Deduct	-586.13	
		For >25, Deduct	-1,707.76	
21 05 19 00-0011	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	15,284.89	515.57
		For >10 To 25, Deduct	-764.24	
		For >25, Deduct	-2,228.69	
21 05 19 00-0012	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	21,508.62	627.66
		For >10 To 25, Deduct	-1,075.43	
		For >25, Deduct	-3,147.84	

**21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping**<sup>(21 05)</sup>  
See CSI section 22 05 23 00-0000 for additional valves, 23 05 23 00-0000 for additional valves.**21 05 23 00-0001 Globe Valves** <sup>(21 05 23)</sup>**21 05 23 00-0002 Threaded, 125 LB, Bronze Body, Angle Globe Valves** <sup>(21 05 23 00-0001)</sup>

Note: Non-rising stem

21 05 23 00-0003	EA	1/2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	58.68	10.47
21 05 23 00-0004	EA	3/4" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	74.61	10.99
21 05 23 00-0005	EA	1" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	103.24	10.99
21 05 23 00-0006	EA	1-1/4" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	156.27	13.93
21 05 23 00-0007	EA	1-1/2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	184.03	16.12
21 05 23 00-0008	EA	2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	218.02	19.05

**21 05 23 00-0009 Butterfly Valves** <sup>(21 05 23)</sup>**21 05 23 00-0010 Grooved End Gear Operated Butterfly Valves** <sup>(21 05 23 00-0009)</sup>

21 05 23 00-0011	EA	2-1/2" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N).....	488.93	17.07
21 05 23 00-0012	EA	3" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N).....	536.90	20.45
21 05 23 00-0013	EA	4" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N).....	562.48	26.90
21 05 23 00-0014	EA	6" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N).....	798.28	44.07
21 05 23 00-0015	EA	8" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N).....	1,149.28	62.00

**21 05 23 00-0016 Grooved End, Wafer Type, Ductile Iron, Gear Operated Butterfly Valves** <sup>(21 05 23 00-0009)</sup>

21 05 23 00-0017	EA	2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	491.43	13.79
21 05 23 00-0018	EA	2-1/2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	500.14	17.07
21 05 23 00-0019	EA	3" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	551.85	20.45
21 05 23 00-0020	EA	4" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	571.82	26.90
21 05 23 00-0021	EA	6" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	796.41	44.07
21 05 23 00-0022	EA	8" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	1,184.77	62.00
21 05 23 00-0023	EA	10" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	1,835.82	83.79

**21 05 23 00-0024 Check Valves** <sup>(21 05 23)</sup>**21 05 23 00-0025 Bronze Body, Threaded, 150 LB, Swing Check Valves** <sup>(21 05 23 00-0024)</sup>

21 05 23 00-0026	EA	1/2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	212.38	10.47
21 05 23 00-0027	EA	3/4" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	250.54	10.99
21 05 23 00-0028	EA	1" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	343.14	10.99
21 05 23 00-0029	EA	1-1/4" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	457.19	13.93
21 05 23 00-0030	EA	1-1/2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	600.00	16.12
21 05 23 00-0031	EA	2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	877.51	19.05



**21 Fire Suppression****21 05 Common Work Results for Fire Suppression****21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0082 EA 12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100).....	5,847.15	623.22
<b>21 05 23 00-0083 Ball Valves</b> <sup>(21 05 23)</sup>		
<b>21 05 23 00-0084 Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)</b> <sup>(21 05 23 00-0083)</sup>		
21 05 23 00-0085 EA 1" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728).....	429.93	13.09
21 05 23 00-0086 EA 1-1/4" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728).....	468.51	13.93
21 05 23 00-0087 EA 1-1/2" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728).....	554.09	16.12
21 05 23 00-0088 EA 2" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728).....	666.84	19.05
<b>21 05 23 00-0089 TESTanDRAIN® Valve</b> <sup>(21 05 23)</sup>		
21 05 23 00-0090 EA 1/4" 3-Way Globe Valve With 1/4" NPT Test Port (AGF 7600).....	222.86	12.37
21 05 23 00-0091 EA 1" Threaded TESTanDRAIN® Valve (AGF 1000).....	251.17	14.96
21 05 23 00-0092 EA 1-1/4" Threaded TESTanDRAIN® Valve (AGF 1000).....	306.72	18.90
21 05 23 00-0093 EA 1-1/2" Threaded TESTanDRAIN® Valve (AGF 1000).....	483.10	21.82
21 05 23 00-0094 EA 2" Threaded TESTanDRAIN® Valve (AGF 1000).....	506.21	25.78
21 05 23 00-0095 EA 1" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	356.45	14.96
21 05 23 00-0096 EA 1-1/4" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	410.97	18.90
21 05 23 00-0097 EA 1-1/2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	590.53	21.82
21 05 23 00-0098 EA 2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	616.49	25.78
<b>21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment</b> <sup>(21 05)</sup>		
See CSI section 23 05 29 00-0000 for hangers and supports.		
<b>21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment</b> <sup>(21 05)</sup>		
<b>21 05 48 13 Vibration Controls for Fire-Suppression Piping and Equipment</b> <sup>(21 05 48)</sup>		
See CSI section 23 05 48 13-0000 for vibration and seismic control.		
<b>21 05 53 Identification for Fire-Suppression Piping and Equipment</b> <sup>(21 05)</sup>		
See CSI section 23 05 53 00-0000 for identification.		
<b>21 07 Fire-Suppression Systems Insulation</b> <sup>(21)</sup>		
<b>21 07 16 Fire-Suppression Equipment Insulation</b> <sup>(21 07)</sup>		
See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.		
<b>21 07 19 Fire-Suppression Piping Insulation</b> <sup>(21 07)</sup>		
See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.		
<b>21 10 Water-Based Fire-Suppression Systems</b> <sup>(21)</sup>		
See CSI section 22 11 16 00-0368 for copper pipe, 22 11 16 00-0912 for CPVC pipe, 23 05 23 00-0037 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.		
<b>21 11 Facility Fire-Suppression Water-Service Piping</b> <sup>(21 10)</sup>		
<b>21 11 19 Fire-Department Connections</b> <sup>(21 11)</sup>		
<b>21 11 19 00-0001 Fire Department Connections</b> <sup>(21 11 19)</sup>		
21 11 19 00-0002 EA 4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass.....	871.54	276.72
For Polished Chrome, Add	56.54	
21 11 19 00-0003 EA 6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass.....	1,216.62	345.90
For Polished Chrome, Add	86.55	
21 11 19 00-0004 EA 4" x 3" x 3" Siamese Connection, Polished Brass.....	1,296.35	276.72
For Polished Chrome, Add	109.62	
21 11 19 00-0005 EA 6" x 3" x 3" Siamese Connection, Polished Brass.....	1,715.12	345.90
For Polished Chrome, Add	148.86	
21 11 19 00-0006 EA 6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass.....	1,836.98	345.90
For Polished Chrome, Add	164.09	
21 11 19 00-0007 EA Sidewalk Type Connection With Plug And Chain, Polished Brass.....	1,566.82	366.09
For Polished Chrome, Add	126.55	
21 11 19 00-0008 EA Wall Type Connection With Plug And Chain, Polished Brass.....	1,000.08	276.72
For Polished Chrome, Add	72.61	
<b>21 11 19 00-0009 Wall Type Indicator Post, Wheel Operated</b> <sup>(21 11 19)</sup>		
See CSI section 33 14 19 00-0169 for adjustable indicator post accessory for ground valves.		
21 11 19 00-0010 EA Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773).....	1,425.08	274.80
<b>21 11 19 00-0011 Upright Indicator Post, Wheel Operated</b> <sup>(21 11 19)</sup>		
21 11 19 00-0012 EA Upright Indicator Post With Flange For Valve (Victaulic 774).....	6,607.31	274.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**21 12 Fire-Suppression Standpipes** (21 10)

See CSI section 23 21 13 23-0000 for black steel pipe.

**21 12 13 Fire-Suppression Hoses and Nozzles** (21 12)

**21 12 13 00-0001 Fire Hose** (21 12 13)

**21 12 13 00-0002 Fire Hose Without Couplings** (21 12 13 00-0001)

21 12 13 00-0003	LF	1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings .....	2.31	1.75
21 12 13 00-0004	LF	2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings .....	2.70	1.75
21 12 13 00-0005	LF	2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings .....	2.44	1.75
21 12 13 00-0006	LF	3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings .....	2.86	1.75
21 12 13 00-0007	LF	1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings .....	2.64	1.75
21 12 13 00-0008	LF	2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings .....	3.30	1.75
21 12 13 00-0009	LF	1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings .....	2.73	1.75
21 12 13 00-0010	LF	2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings .....	3.50	1.75

**21 12 13 00-0011 Fire Hose With Aluminum Couplings** (21 12 13 00-0001)

21 12 13 00-0012	LF	1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	7.32	0.96
21 12 13 00-0013	LF	2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	9.26	1.13
21 12 13 00-0014	LF	3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	16.35	1.13

**21 12 13 00-0015 Fire Hose Accessories** (21 12 13 00-0001)

21 12 13 00-0016	EA	Hose Coupling With 1-1/2" Pin Lug.....	124.20	28.77
21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug.....	187.67	32.25
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle.....	76.07	22.67
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle.....	152.89	22.67
21 12 13 00-0020	EA	1-1/2" Brass Fog Type Nozzle.....	121.11	22.67
21 12 13 00-0021	EA	2-1/2" Brass Fog Type Nozzle.....	174.93	22.67
21 12 13 00-0022	EA	1-1/2" Brass 100' Hose Rack.....	260.28	95.89
21 12 13 00-0023	EA	2-1/2" Brass 100' Hose Rack.....	365.69	95.89

**21 12 23 Fire-Suppression Hose Valves** (21 12)

**21 12 23 00-0001 Standpipe Valves** (21 12 23)

21 12 23 00-0002	EA	2-1/2" Fire Department Valve, Polished Brass With Plug And Chain.....	536.09	183.05
		<i>For Polished Chrome, Add</i>	38.83	
21 12 23 00-0003	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	842.52	182.96
		<i>For Polished Chrome, Add</i>	84.80	
21 12 23 00-0004	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	1,079.61	197.91
		<i>For Polished Chrome, Add</i>	116.95	
21 12 23 00-0005	EA	3" x 3" x 4" Fire Department Valve, Flush, Polished Brass.....	1,284.09	182.96
		<i>For Polished Chrome, Add</i>	151.03	
21 12 23 00-0006	EA	3" x 3" x 6" Fire Department Valve, Flush, Polished Brass.....	1,505.19	197.91
		<i>For Polished Chrome, Add</i>	180.79	
21 12 23 00-0007	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass.....	795.59	182.96
		<i>For Polished Chrome, Add</i>	77.76	
21 12 23 00-0008	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass.....	1,153.21	197.91
		<i>For Polished Chrome, Add</i>	127.99	
21 12 23 00-0009	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	1,464.78	188.89
		<i>For Polished Chrome, Add</i>	141.43	
21 12 23 00-0010	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	2,085.89	209.86
		<i>For Polished Chrome, Add</i>	212.15	
21 12 23 00-0011	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass .....	1,570.38	188.89
		<i>For Polished Chrome, Add</i>	154.10	
21 12 23 00-0012	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass .....	2,244.98	209.86
		<i>For Polished Chrome, Add</i>	231.24	
21 12 23 00-0013	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Square, Flush, Polished Brass.....	5,253.00	251.80
		<i>For Polished Chrome, Add</i>	487.14	

**21 12 23 00-0014 Fire Hose Angle Valves** (21 12 23)

21 12 23 00-0015	EA	1-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve .....	206.84	23.54
21 12 23 00-0016	EA	1-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve.....	250.19	23.54
21 12 23 00-0017	EA	1-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve.....	234.43	23.54
21 12 23 00-0018	EA	1-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve .....	277.77	23.54
21 12 23 00-0019	EA	2-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve .....	369.99	39.23
21 12 23 00-0020	EA	2-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve.....	433.05	39.23
21 12 23 00-0021	EA	2-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve.....	438.30	39.23
21 12 23 00-0022	EA	2-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve .....	501.36	39.23

**21 12 29 Fire-Suppression Fire Hose Equipment** (21 12)

**21 12 29 00-0001 Standpipe And Fire Hose Equipment** (21 12 29)

21 12 29 00-0002	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass.....	2,012.91	453.75
21 12 29 00-0003	EA	Water Motor Gong.....	701.42	132.84

<b>21</b>	<b>21</b>	<b>Fire Suppression</b>
	<b>21 10</b>	<b>Water-Based Fire-Suppression Systems</b>
	<b>21 12</b>	<b>Fire-Suppression Standpipes</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 12 29 00-0004	EA		Fire Riser Flow Switch (National Fire Protection Association 13)	586.84	15.45
21 12 29 00-0005	EA		Water Flow Supervisory (Tamper) Switch Mounted On Valve	223.41	26.44
<b>21 12 29 00-0006</b>			<b>Water Flow Detector (21 12 29)</b>		
<b>21 12 29 00-0007</b>			<b>Pressure-Type Wazter Flow Detector (21 12 29 00-0006)</b>		
21 12 29 00-0008	EA		Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe	340.58	81.35
21 12 29 00-0009	EA		Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe	497.26	107.79
21 12 29 00-0010	EA		Pressure-Type Water Flow Detector For >4" To 8" Pipe	802.77	122.02
<b>21 12 29 00-0011</b>			<b>Vane-Type Water Flow Detector (21 12 29 00-0006)</b>		
21 12 29 00-0012	EA		Vane-Type Water Flow Detector For Up To 2-1/2" Pipe	436.85	81.35
21 12 29 00-0013	EA		Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe	615.20	107.79
21 12 29 00-0014	EA		Vane-Type Water Flow Detector For >4" To 8" Pipe	989.74	122.02

**21 13 Fire-Suppression Sprinkler Systems (21 10)**

**21 13 13 Wet-Pipe Sprinkler Systems (21 13)**

<b>21 13 13 00-0001</b>			<b>Complete Wet Pipe Sprinkler Systems (21 13 13)</b>		
<p>Note: Includes complete design per NFPA 13, 13D or 13R and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1396 for individual grooved pipe, 23 21 13 23-1469 for individual grooved pipe fittings.</p>					
<b>21 13 13 00-0002</b>			<b>Light Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 13 00-0001)</b>		
21 13 13 00-0003	EA		Exposed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head	411.01	
<p>Note: Includes branch pipe and fittings, supports and sprinkler heads.</p>					
			<i>For Copper Pipe, Add</i>	50.47	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-71.02	
			<i>For Up To 5, Add</i>	186.76	
			<i>For &gt;5 To 10, Add</i>	115.74	
			<i>For &gt;10 To 20, Add</i>	74.64	
			<i>For &gt;20 To 40, Add</i>	31.73	
			<i>For &gt;100 To 150, Deduct</i>	-41.10	
			<i>For &gt;150, Deduct</i>	-82.20	
21 13 13 00-0004	EA		Concealed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head	531.98	
<p>Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.</p>					
			<i>For Copper Pipe, Add</i>	63.33	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-89.93	
			<i>For Up To 5, Add</i>	245.72	
			<i>For &gt;5 To 10, Add</i>	155.78	
			<i>For &gt;10 To 20, Add</i>	102.59	
			<i>For &gt;20 To 40, Add</i>	43.06	
			<i>For &gt;100 To 150, Deduct</i>	-53.20	
			<i>For &gt;150, Deduct</i>	-106.40	
<b>21 13 13 00-0005</b>			<b>Ordinary Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 13 00-0001)</b>		
21 13 13 00-0006	EA		Exposed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head	410.07	
<p>Note: Includes branch pipe and fittings, supports and sprinkler heads.</p>					
			<i>For Copper Pipe, Add</i>	50.47	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-70.97	
			<i>For Up To 5, Add</i>	186.12	
			<i>For &gt;5 To 10, Add</i>	115.15	
			<i>For &gt;10 To 20, Add</i>	74.14	
			<i>For &gt;20 To 40, Add</i>	31.55	
			<i>For &gt;100 To 150, Deduct</i>	-41.01	
			<i>For &gt;150, Deduct</i>	-82.01	
21 13 13 00-0007	EA		Concealed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head	527.77	
<p>Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.</p>					
			<i>For Copper Pipe, Add</i>	62.92	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-89.31	
			<i>For Up To 5, Add</i>	243.60	
			<i>For &gt;5 To 10, Add</i>	154.29	
			<i>For &gt;10 To 20, Add</i>	101.51	
			<i>For &gt;20 To 40, Add</i>	42.63	
			<i>For &gt;100 To 150, Deduct</i>	-52.78	
			<i>For &gt;150, Deduct</i>	-105.55	
<b>21 13 13 00-0008</b>			<b>Extra Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 13 00-0001)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0009 EA Exposed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	378.98	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Copper Pipe, Add	46.56	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-65.51	
For Up To 5, Add	172.17	
For >5 To 10, Add	106.66	
For >10 To 20, Add	68.76	
For >20 To 40, Add	29.24	
For >100 To 150, Deduct	-37.90	
For >150, Deduct	-75.80	
21 13 13 00-0010 EA Concealed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	488.76	
Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
For Copper Pipe, Add	58.18	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-82.62	
For Up To 5, Add	225.77	
For >5 To 10, Add	143.15	
For >10 To 20, Add	94.28	
For >20 To 40, Add	39.57	
For >100 To 150, Deduct	-48.88	
For >150, Deduct	-97.75	
<b>21 13 13 00-0011 Wet Pipe Sprinkler Components</b> <small>(21 13 13)</small>		
Note: Excludes hydraulic calculations.		
<b>21 13 13 00-0012 Wet Pipe Alarm Check Valves</b> <small>(21 13 13 00-0011)</small>		
Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.		
21 13 13 00-0013 EA 2-1/2" Wet Pipe Alarm Check Valve .....	1,556.12	111.85
21 13 13 00-0014 EA 3" Wet Pipe Alarm Check Valve.....	1,588.66	128.12
21 13 13 00-0015 EA 4" Wet Pipe Alarm Check Valve.....	1,767.63	217.62
21 13 13 00-0016 EA 6" Wet Pipe Alarm Check Valve.....	1,697.76	274.56
21 13 13 00-0017 EA 8" Wet Pipe Alarm Check Valve.....	3,051.84	347.77
<b>21 13 13 00-0018 Wet Pipe Valve Trim</b> <small>(21 13 13 00-0011)</small>		
Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.		
21 13 13 00-0019 EA 2-1/2" Wet Pipe Valve Trim.....	1,347.29	236.73
21 13 13 00-0020 EA 3" Wet Pipe Valve Trim.....	1,425.10	236.73
21 13 13 00-0021 EA 4" Wet Pipe Valve Trim.....	1,712.05	324.58
21 13 13 00-0022 EA 6" Wet Pipe Valve Trim.....	2,001.36	451.49
21 13 13 00-0023 EA 8" Wet Pipe Valve Trim.....	2,180.34	558.87
<b>21 13 13 00-0024 Wet Pipe Sprinkler Heads</b> <small>(21 13 13 00-0011)</small>		
<b>21 13 13 00-0025 Upright Wet Pipe Sprinkler Heads</b> <small>(21 13 13 00-0024)</small>		
21 13 13 00-0026 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head .....	64.31	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.18	
For >100 To 500, Deduct	-9.02	
For >500 To 1,000, Deduct	-18.24	
For >1,000, Deduct	-26.09	
21 13 13 00-0027 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head.....	66.86	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.30	
For >100 To 500, Deduct	-9.34	
For >500 To 1,000, Deduct	-18.70	
For >1,000, Deduct	-26.55	
21 13 13 00-0028 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head .....	68.49	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.39	
For >100 To 500, Deduct	-9.54	
For >500 To 1,000, Deduct	-19.00	
For >1,000, Deduct	-26.84	
21 13 13 00-0029 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head .....	65.59	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.24	
For >100 To 500, Deduct	-9.18	
For >500 To 1,000, Deduct	-18.48	
For >1,000, Deduct	-26.32	
21 13 13 00-0030 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	68.24	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.37	
For >100 To 500, Deduct	-9.51	
For >500 To 1,000, Deduct	-18.95	
For >1,000, Deduct	-26.80	
21 13 13 00-0031 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	69.94	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.46	
For >100 To 500, Deduct	-9.72	
For >500 To 1,000, Deduct	-19.26	
For >1,000, Deduct	-27.10	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0032	EA	1/2"	NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	82.31	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-6.08	
			<i>For &gt;100 To 500, Deduct</i>	-11.27	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.48	
			<i>For &gt;1,000, Deduct</i>	-29.33	
21 13 13 00-0033	EA	1/2"	NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	89.16	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-6.42	
			<i>For &gt;100 To 500, Deduct</i>	-12.13	
			<i>For &gt;500 To 1,000, Deduct</i>	-22.72	
			<i>For &gt;1,000, Deduct</i>	-30.56	
21 13 13 00-0034	EA	1/2"	NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	82.31	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-6.08	
			<i>For &gt;100 To 500, Deduct</i>	-11.27	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.48	
			<i>For &gt;1,000, Deduct</i>	-29.33	
21 13 13 00-0035	EA	1/2"	NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	89.16	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-6.42	
			<i>For &gt;100 To 500, Deduct</i>	-12.13	
			<i>For &gt;500 To 1,000, Deduct</i>	-22.72	
			<i>For &gt;1,000, Deduct</i>	-30.56	
21 13 13 00-0036	EA	1/2"	NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	73.45	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.63	
			<i>For &gt;100 To 500, Deduct</i>	-10.16	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.89	
			<i>For &gt;1,000, Deduct</i>	-27.74	
21 13 13 00-0037	EA	1/2"	NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	76.79	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.80	
			<i>For &gt;100 To 500, Deduct</i>	-10.58	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.49	
			<i>For &gt;1,000, Deduct</i>	-28.34	
21 13 13 00-0038	EA	3/4"	NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	74.09	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-5.88	
			<i>For &gt;100 To 500, Deduct</i>	-10.35	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.75	
			<i>For &gt;1,000, Deduct</i>	-29.46	
21 13 13 00-0039	EA	3/4"	NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	78.00	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.08	
			<i>For &gt;100 To 500, Deduct</i>	-10.84	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.45	
			<i>For &gt;1,000, Deduct</i>	-30.17	
21 13 13 00-0040	EA	3/4"	NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	78.79	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.12	
			<i>For &gt;100 To 500, Deduct</i>	-10.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.59	
			<i>For &gt;1,000, Deduct</i>	-30.31	
21 13 13 00-0041	EA	3/4"	NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head.....	74.09	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-5.88	
			<i>For &gt;100 To 500, Deduct</i>	-10.35	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.75	
			<i>For &gt;1,000, Deduct</i>	-29.46	
21 13 13 00-0042	EA	3/4"	NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	78.00	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.08	
			<i>For &gt;100 To 500, Deduct</i>	-10.84	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.45	
			<i>For &gt;1,000, Deduct</i>	-30.17	
21 13 13 00-0043	EA	3/4"	NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	78.79	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.12	
			<i>For &gt;100 To 500, Deduct</i>	-10.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.59	
			<i>For &gt;1,000, Deduct</i>	-30.31	
21 13 13 00-0044	EA	1/2"	NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head.....	71.69	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.55	
			<i>For &gt;100 To 500, Deduct</i>	-9.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.57	
			<i>For &gt;1,000, Deduct</i>	-27.42	
21 13 13 00-0045	EA	1/2"	NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head.....	74.24	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.67	
			<i>For &gt;100 To 500, Deduct</i>	-10.26	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.03	
			<i>For &gt;1,000, Deduct</i>	-27.88	





<b>Fire Suppression</b>	<b>21</b>	<b>12</b>
<b>Water-Based Fire-Suppression Systems</b>	<b>21 10</b>	
<b>Fire-Suppression Sprinkler Systems</b>	<b>21 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0046 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	74.73	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.70	
For >100 To 500, Deduct	-10.32	
For >500 To 1,000, Deduct	-20.12	
For >1,000, Deduct	-27.97	
21 13 13 00-0047 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head.....	71.69	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.55	
For >100 To 500, Deduct	-9.94	
For >500 To 1,000, Deduct	-19.57	
For >1,000, Deduct	-27.42	
21 13 13 00-0048 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head.....	74.24	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.67	
For >100 To 500, Deduct	-10.26	
For >500 To 1,000, Deduct	-20.03	
For >1,000, Deduct	-27.88	
21 13 13 00-0049 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	74.73	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.70	
For >100 To 500, Deduct	-10.32	
For >500 To 1,000, Deduct	-20.12	
For >1,000, Deduct	-27.97	
21 13 13 00-0050 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head.....	74.73	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.70	
For >100 To 500, Deduct	-10.32	
For >500 To 1,000, Deduct	-20.12	
For >1,000, Deduct	-27.97	
21 13 13 00-0051 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head.....	101.48	10.89
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-7.25	
For >100 To 500, Deduct	-13.77	
For >500 To 1,000, Deduct	-25.68	
For >1,000, Deduct	-34.39	
21 13 13 00-0052 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	104.42	10.89
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-7.40	
For >100 To 500, Deduct	-14.14	
For >500 To 1,000, Deduct	-26.21	
For >1,000, Deduct	-34.92	
21 13 13 00-0053 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	104.42	10.89
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-7.40	
For >100 To 500, Deduct	-14.14	
For >500 To 1,000, Deduct	-26.21	
For >1,000, Deduct	-34.92	
21 13 13 00-0054 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head.....	81.67	10.89
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-6.26	
For >100 To 500, Deduct	-11.30	
For >500 To 1,000, Deduct	-22.11	
For >1,000, Deduct	-30.83	
21 13 13 00-0055 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	83.68	10.89
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-6.36	
For >100 To 500, Deduct	-11.55	
For >500 To 1,000, Deduct	-22.47	
For >1,000, Deduct	-31.19	
21 13 13 00-0056 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	83.68	10.89
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-6.36	
For >100 To 500, Deduct	-11.55	
For >500 To 1,000, Deduct	-22.47	
For >1,000, Deduct	-31.19	
21 13 13 00-0057 EA 1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head.....	248.50	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-14.39	
For >100 To 500, Deduct	-32.04	
For >500 To 1,000, Deduct	-51.40	
For >1,000, Deduct	-59.25	
21 13 13 00-0058 EA 3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head.....	273.60	10.89
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-15.86	
For >100 To 500, Deduct	-35.29	
For >500 To 1,000, Deduct	-56.66	
For >1,000, Deduct	-65.38	
21 13 13 00-0059 EA 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head.....	130.86	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-8.50	
For >100 To 500, Deduct	-17.34	
For >500 To 1,000, Deduct	-30.22	
For >1,000, Deduct	-38.07	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0060	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head .....	161.51	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-10.04	
			<i>For &gt;100 To 500, Deduct</i>	-21.17	
			<i>For &gt;500 To 1,000, Deduct</i>	-35.74	
			<i>For &gt;1,000, Deduct</i>	-43.59	
21 13 13 00-0061	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head .....	289.67	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-16.45	
			<i>For &gt;100 To 500, Deduct</i>	-37.19	
			<i>For &gt;500 To 1,000, Deduct</i>	-58.81	
			<i>For &gt;1,000, Deduct</i>	-66.66	
21 13 13 00-0062	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	369.54	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-20.44	
			<i>For &gt;100 To 500, Deduct</i>	-47.17	
			<i>For &gt;500 To 1,000, Deduct</i>	-73.19	
			<i>For &gt;1,000, Deduct</i>	-81.03	
21 13 13 00-0063	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head .....	165.87	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-10.47	
			<i>For &gt;100 To 500, Deduct</i>	-21.82	
			<i>For &gt;500 To 1,000, Deduct</i>	-37.27	
			<i>For &gt;1,000, Deduct</i>	-45.98	
21 13 13 00-0064	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head .....	166.80	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-10.52	
			<i>For &gt;100 To 500, Deduct</i>	-21.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-37.43	
			<i>For &gt;1,000, Deduct</i>	-46.15	
<b>21 13 13 00-0065</b>			<b>Conventional Wet Pipe Sprinkler Heads</b> <small>(21 13 13 00-0024)</small>		
21 13 13 00-0066	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head .....	64.31	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.18	
			<i>For &gt;100 To 500, Deduct</i>	-9.02	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.24	
			<i>For &gt;1,000, Deduct</i>	-26.09	
21 13 13 00-0067	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head .....	66.86	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.30	
			<i>For &gt;100 To 500, Deduct</i>	-9.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.70	
			<i>For &gt;1,000, Deduct</i>	-26.55	
21 13 13 00-0068	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	68.49	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.39	
			<i>For &gt;100 To 500, Deduct</i>	-9.54	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.00	
			<i>For &gt;1,000, Deduct</i>	-26.84	
21 13 13 00-0069	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head.....	75.00	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-5.93	
			<i>For &gt;100 To 500, Deduct</i>	-10.46	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.91	
			<i>For &gt;1,000, Deduct</i>	-29.63	
21 13 13 00-0070	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head .....	78.00	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.08	
			<i>For &gt;100 To 500, Deduct</i>	-10.84	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.45	
			<i>For &gt;1,000, Deduct</i>	-30.17	
21 13 13 00-0071	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	78.46	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.10	
			<i>For &gt;100 To 500, Deduct</i>	-10.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.53	
			<i>For &gt;1,000, Deduct</i>	-30.25	
21 13 13 00-0072	EA		1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head.....	248.50	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-14.39	
			<i>For &gt;100 To 500, Deduct</i>	-32.04	
			<i>For &gt;500 To 1,000, Deduct</i>	-51.40	
			<i>For &gt;1,000, Deduct</i>	-59.25	
<b>21 13 13 00-0073</b>			<b>Pendant Wet Pipe Sprinkler Heads</b> <small>(21 13 13 00-0024)</small>		
			See CSI section 21 13 13 00-0209 for escutcheon for recessed pendant sprinkler head.		
21 13 13 00-0074	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Brass Wet Pipe Sprinkler Head.....	64.31	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.18	
			<i>For &gt;100 To 500, Deduct</i>	-9.02	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.24	
			<i>For &gt;1,000, Deduct</i>	-26.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0075 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Chrome Wet Pipe Sprinkler Head.....	66.86	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.30	
<i>For &gt;100 To 500, Deduct</i>	-9.34	
<i>For &gt;500 To 1,000, Deduct</i>	-18.70	
<i>For &gt;1,000, Deduct</i>	-26.55	
21 13 13 00-0076 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	68.49	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.39	
<i>For &gt;100 To 500, Deduct</i>	-9.54	
<i>For &gt;500 To 1,000, Deduct</i>	-19.00	
<i>For &gt;1,000, Deduct</i>	-26.84	
21 13 13 00-0077 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant Brass Wet Pipe Sprinkler Head.....	74.09	10.89
<i>For &gt;25 To 50, Deduct</i>	-2.18	
<i>For &gt;50 To 100, Deduct</i>	-5.88	
<i>For &gt;100 To 500, Deduct</i>	-10.35	
<i>For &gt;500 To 1,000, Deduct</i>	-20.75	
<i>For &gt;1,000, Deduct</i>	-29.46	
21 13 13 00-0078 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant Chrome Wet Pipe Sprinkler Head.....	78.00	10.89
<i>For &gt;25 To 50, Deduct</i>	-2.18	
<i>For &gt;50 To 100, Deduct</i>	-6.08	
<i>For &gt;100 To 500, Deduct</i>	-10.84	
<i>For &gt;500 To 1,000, Deduct</i>	-21.45	
<i>For &gt;1,000, Deduct</i>	-30.17	
21 13 13 00-0079 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	78.79	10.89
<i>For &gt;25 To 50, Deduct</i>	-2.18	
<i>For &gt;50 To 100, Deduct</i>	-6.12	
<i>For &gt;100 To 500, Deduct</i>	-10.94	
<i>For &gt;500 To 1,000, Deduct</i>	-21.59	
<i>For &gt;1,000, Deduct</i>	-30.31	
21 13 13 00-0080 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendant Brass Wet Pipe Sprinkler Head.....	71.69	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.55	
<i>For &gt;100 To 500, Deduct</i>	-9.94	
<i>For &gt;500 To 1,000, Deduct</i>	-19.57	
<i>For &gt;1,000, Deduct</i>	-27.42	
21 13 13 00-0081 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendant Chrome Wet Pipe Sprinkler Head.....	74.24	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.67	
<i>For &gt;100 To 500, Deduct</i>	-10.26	
<i>For &gt;500 To 1,000, Deduct</i>	-20.03	
<i>For &gt;1,000, Deduct</i>	-27.88	
21 13 13 00-0082 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	74.73	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.70	
<i>For &gt;100 To 500, Deduct</i>	-10.32	
<i>For &gt;500 To 1,000, Deduct</i>	-20.12	
<i>For &gt;1,000, Deduct</i>	-27.97	
21 13 13 00-0083 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendant Brass Wet Pipe Sprinkler Head.....	71.69	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.55	
<i>For &gt;100 To 500, Deduct</i>	-9.94	
<i>For &gt;500 To 1,000, Deduct</i>	-19.57	
<i>For &gt;1,000, Deduct</i>	-27.42	
21 13 13 00-0084 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendant Chrome Wet Pipe Sprinkler Head.....	74.24	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.67	
<i>For &gt;100 To 500, Deduct</i>	-10.26	
<i>For &gt;500 To 1,000, Deduct</i>	-20.03	
<i>For &gt;1,000, Deduct</i>	-27.88	
21 13 13 00-0085 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	74.73	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.70	
<i>For &gt;100 To 500, Deduct</i>	-10.32	
<i>For &gt;500 To 1,000, Deduct</i>	-20.12	
<i>For &gt;1,000, Deduct</i>	-27.97	
21 13 13 00-0086 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendant Brass Wet Pipe Sprinkler Head, Low Lead.....	71.69	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.55	
<i>For &gt;100 To 500, Deduct</i>	-9.94	
<i>For &gt;500 To 1,000, Deduct</i>	-19.57	
<i>For &gt;1,000, Deduct</i>	-27.42	
21 13 13 00-0087 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendant Chrome Wet Pipe Sprinkler Head, Low Lead.....	74.24	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.67	
<i>For &gt;100 To 500, Deduct</i>	-10.26	
<i>For &gt;500 To 1,000, Deduct</i>	-20.03	
<i>For &gt;1,000, Deduct</i>	-27.88	
21 13 13 00-0088 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendant White Polyester Coated Wet Pipe Sprinkler Head, Low Lead.....	74.73	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.70	
<i>For &gt;100 To 500, Deduct</i>	-10.32	
<i>For &gt;500 To 1,000, Deduct</i>	-20.12	
<i>For &gt;1,000, Deduct</i>	-27.97	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0089	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead.....	64.31	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.18	
			<i>For &gt;100 To 500, Deduct</i>	-9.02	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.24	
			<i>For &gt;1,000, Deduct</i>	-26.09	
21 13 13 00-0090	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead.....	66.86	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.30	
			<i>For &gt;100 To 500, Deduct</i>	-9.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.70	
			<i>For &gt;1,000, Deduct</i>	-26.55	
21 13 13 00-0091	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead.....	68.49	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.39	
			<i>For &gt;100 To 500, Deduct</i>	-9.54	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.00	
			<i>For &gt;1,000, Deduct</i>	-26.84	
21 13 13 00-0092	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head .....	65.59	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.24	
			<i>For &gt;100 To 500, Deduct</i>	-9.18	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.48	
			<i>For &gt;1,000, Deduct</i>	-26.32	
21 13 13 00-0093	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head.....	67.40	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.33	
			<i>For &gt;100 To 500, Deduct</i>	-9.41	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.80	
			<i>For &gt;1,000, Deduct</i>	-26.65	
21 13 13 00-0094	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	69.05	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.41	
			<i>For &gt;100 To 500, Deduct</i>	-9.61	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.10	
			<i>For &gt;1,000, Deduct</i>	-26.94	
21 13 13 00-0095	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head.....	76.50	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.00	
			<i>For &gt;100 To 500, Deduct</i>	-10.65	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.18	
			<i>For &gt;1,000, Deduct</i>	-29.90	
21 13 13 00-0096	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head.....	79.82	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.17	
			<i>For &gt;100 To 500, Deduct</i>	-11.07	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.78	
			<i>For &gt;1,000, Deduct</i>	-30.50	
21 13 13 00-0097	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	79.82	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.17	
			<i>For &gt;100 To 500, Deduct</i>	-11.07	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.78	
			<i>For &gt;1,000, Deduct</i>	-30.50	
21 13 13 00-0098	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head .....	73.45	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.63	
			<i>For &gt;100 To 500, Deduct</i>	-10.16	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.89	
			<i>For &gt;1,000, Deduct</i>	-27.74	
21 13 13 00-0099	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	76.79	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.80	
			<i>For &gt;100 To 500, Deduct</i>	-10.58	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.49	
			<i>For &gt;1,000, Deduct</i>	-28.34	
21 13 13 00-0100	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head .....	81.80	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-6.05	
			<i>For &gt;100 To 500, Deduct</i>	-11.21	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.39	
			<i>For &gt;1,000, Deduct</i>	-29.24	
21 13 13 00-0101	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	87.28	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-6.33	
			<i>For &gt;100 To 500, Deduct</i>	-11.89	
			<i>For &gt;500 To 1,000, Deduct</i>	-22.38	
			<i>For &gt;1,000, Deduct</i>	-30.23	
21 13 13 00-0102	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head .....	81.80	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-6.05	
			<i>For &gt;100 To 500, Deduct</i>	-11.21	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.39	
			<i>For &gt;1,000, Deduct</i>	-29.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0103 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	87.28	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-6.33	
For >100 To 500, Deduct	-11.89	
For >500 To 1,000, Deduct	-22.38	
For >1,000, Deduct	-30.23	
21 13 13 00-0104 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	69.13	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.42	
For >100 To 500, Deduct	-9.62	
For >500 To 1,000, Deduct	-19.11	
For >1,000, Deduct	-26.96	
21 13 13 00-0105 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	72.00	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.56	
For >100 To 500, Deduct	-9.98	
For >500 To 1,000, Deduct	-19.63	
For >1,000, Deduct	-27.48	
21 13 13 00-0106 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	73.51	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.64	
For >100 To 500, Deduct	-10.17	
For >500 To 1,000, Deduct	-19.90	
For >1,000, Deduct	-27.75	
21 13 13 00-0107 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	75.30	10.89
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-5.94	
For >100 To 500, Deduct	-10.50	
For >500 To 1,000, Deduct	-20.96	
For >1,000, Deduct	-29.68	
21 13 13 00-0108 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	78.14	10.89
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-6.09	
For >100 To 500, Deduct	-10.86	
For >500 To 1,000, Deduct	-21.48	
For >1,000, Deduct	-30.19	
21 13 13 00-0109 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	80.89	10.89
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-6.22	
For >100 To 500, Deduct	-11.20	
For >500 To 1,000, Deduct	-21.97	
For >1,000, Deduct	-30.69	
21 13 13 00-0110 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	70.75	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.50	
For >100 To 500, Deduct	-9.82	
For >500 To 1,000, Deduct	-19.40	
For >1,000, Deduct	-27.25	
21 13 13 00-0111 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	73.57	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.64	
For >100 To 500, Deduct	-10.18	
For >500 To 1,000, Deduct	-19.91	
For >1,000, Deduct	-27.76	
21 13 13 00-0112 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	75.10	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.72	
For >100 To 500, Deduct	-10.37	
For >500 To 1,000, Deduct	-20.19	
For >1,000, Deduct	-28.03	
21 13 13 00-0113 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	76.50	10.89
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-6.00	
For >100 To 500, Deduct	-10.65	
For >500 To 1,000, Deduct	-21.18	
For >1,000, Deduct	-29.90	
21 13 13 00-0114 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	79.46	10.89
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-6.15	
For >100 To 500, Deduct	-11.02	
For >500 To 1,000, Deduct	-21.71	
For >1,000, Deduct	-30.43	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0115	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	82.32	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.30	
			<i>For &gt;100 To 500, Deduct</i>	-11.38	
			<i>For &gt;500 To 1,000, Deduct</i>	-22.23	
			<i>For &gt;1,000, Deduct</i>	-30.95	
21 13 13 00-0116	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head.....	115.53	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-7.74	
			<i>For &gt;100 To 500, Deduct</i>	-15.42	
			<i>For &gt;500 To 1,000, Deduct</i>	-27.46	
			<i>For &gt;1,000, Deduct</i>	-35.31	
21 13 13 00-0117	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	115.53	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-7.74	
			<i>For &gt;100 To 500, Deduct</i>	-15.42	
			<i>For &gt;500 To 1,000, Deduct</i>	-27.46	
			<i>For &gt;1,000, Deduct</i>	-35.31	
21 13 13 00-0118	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	84.61	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.41	
			<i>For &gt;100 To 500, Deduct</i>	-11.67	
			<i>For &gt;500 To 1,000, Deduct</i>	-22.64	
			<i>For &gt;1,000, Deduct</i>	-31.36	
21 13 13 00-0119	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	86.78	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.52	
			<i>For &gt;100 To 500, Deduct</i>	-11.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-23.03	
			<i>For &gt;1,000, Deduct</i>	-31.75	
21 13 13 00-0120	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	86.78	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.52	
			<i>For &gt;100 To 500, Deduct</i>	-11.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-23.03	
			<i>For &gt;1,000, Deduct</i>	-31.75	
21 13 13 00-0121	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	81.67	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.26	
			<i>For &gt;100 To 500, Deduct</i>	-11.30	
			<i>For &gt;500 To 1,000, Deduct</i>	-22.11	
			<i>For &gt;1,000, Deduct</i>	-30.83	
21 13 13 00-0122	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	83.68	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.36	
			<i>For &gt;100 To 500, Deduct</i>	-11.55	
			<i>For &gt;500 To 1,000, Deduct</i>	-22.47	
			<i>For &gt;1,000, Deduct</i>	-31.19	
21 13 13 00-0123	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	83.68	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.36	
			<i>For &gt;100 To 500, Deduct</i>	-11.55	
			<i>For &gt;500 To 1,000, Deduct</i>	-22.47	
			<i>For &gt;1,000, Deduct</i>	-31.19	
21 13 13 00-0124	EA		1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head.....	248.50	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-14.39	
			<i>For &gt;100 To 500, Deduct</i>	-32.04	
			<i>For &gt;500 To 1,000, Deduct</i>	-51.40	
			<i>For &gt;1,000, Deduct</i>	-59.25	
21 13 13 00-0125	EA		3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head.....	273.60	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-15.86	
			<i>For &gt;100 To 500, Deduct</i>	-35.29	
			<i>For &gt;500 To 1,000, Deduct</i>	-56.66	
			<i>For &gt;1,000, Deduct</i>	-65.38	
21 13 13 00-0126	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head.....	130.86	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-8.50	
			<i>For &gt;100 To 500, Deduct</i>	-17.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-30.22	
			<i>For &gt;1,000, Deduct</i>	-38.07	
21 13 13 00-0127	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	161.51	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-10.04	
			<i>For &gt;100 To 500, Deduct</i>	-21.17	
			<i>For &gt;500 To 1,000, Deduct</i>	-35.74	
			<i>For &gt;1,000, Deduct</i>	-43.59	
21 13 13 00-0128	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head.....	289.67	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-16.45	
			<i>For &gt;100 To 500, Deduct</i>	-37.19	
			<i>For &gt;500 To 1,000, Deduct</i>	-58.81	
			<i>For &gt;1,000, Deduct</i>	-66.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0129 EA 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	369.54	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-20.44	
<i>For &gt;100 To 500, Deduct</i>	-47.17	
<i>For &gt;500 To 1,000, Deduct</i>	-73.19	
<i>For &gt;1,000, Deduct</i>	-81.03	
21 13 13 00-0130 EA 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head.....	165.87	10.89
<i>For &gt;25 To 50, Deduct</i>	-2.18	
<i>For &gt;50 To 100, Deduct</i>	-10.47	
<i>For &gt;100 To 500, Deduct</i>	-21.82	
<i>For &gt;500 To 1,000, Deduct</i>	-37.27	
<i>For &gt;1,000, Deduct</i>	-45.98	
21 13 13 00-0131 EA 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	166.80	10.89
<i>For &gt;25 To 50, Deduct</i>	-2.18	
<i>For &gt;50 To 100, Deduct</i>	-10.52	
<i>For &gt;100 To 500, Deduct</i>	-21.94	
<i>For &gt;500 To 1,000, Deduct</i>	-37.43	
<i>For &gt;1,000, Deduct</i>	-46.15	
<b>21 13 13 00-0132 Sidewall Wet Pipe Sprinkler Heads</b> <small>(21 13 13 00-0024)</small>		
<b>21 13 13 00-0133 Horizontal Sidewall Wet-Pipe Sprinkler Heads</b> <small>(21 13 13 00-0132)</small>		
21 13 13 00-0134 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	68.13	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.37	
<i>For &gt;100 To 500, Deduct</i>	-9.50	
<i>For &gt;500 To 1,000, Deduct</i>	-18.93	
<i>For &gt;1,000, Deduct</i>	-26.78	
21 13 13 00-0135 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	70.17	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.47	
<i>For &gt;100 To 500, Deduct</i>	-9.75	
<i>For &gt;500 To 1,000, Deduct</i>	-19.30	
<i>For &gt;1,000, Deduct</i>	-27.15	
21 13 13 00-0136 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head.....	73.41	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.63	
<i>For &gt;100 To 500, Deduct</i>	-10.16	
<i>For &gt;500 To 1,000, Deduct</i>	-19.88	
<i>For &gt;1,000, Deduct</i>	-27.73	
21 13 13 00-0137 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	69.28	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.43	
<i>For &gt;100 To 500, Deduct</i>	-9.64	
<i>For &gt;500 To 1,000, Deduct</i>	-19.14	
<i>For &gt;1,000, Deduct</i>	-26.99	
21 13 13 00-0138 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	71.36	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.53	
<i>For &gt;100 To 500, Deduct</i>	-9.90	
<i>For &gt;500 To 1,000, Deduct</i>	-19.51	
<i>For &gt;1,000, Deduct</i>	-27.36	
21 13 13 00-0139 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	74.66	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.69	
<i>For &gt;100 To 500, Deduct</i>	-10.31	
<i>For &gt;500 To 1,000, Deduct</i>	-20.11	
<i>For &gt;1,000, Deduct</i>	-27.95	
21 13 13 00-0140 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	76.79	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.80	
<i>For &gt;100 To 500, Deduct</i>	-10.58	
<i>For &gt;500 To 1,000, Deduct</i>	-20.49	
<i>For &gt;1,000, Deduct</i>	-28.34	
21 13 13 00-0141 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	80.12	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.97	
<i>For &gt;100 To 500, Deduct</i>	-11.00	
<i>For &gt;500 To 1,000, Deduct</i>	-21.09	
<i>For &gt;1,000, Deduct</i>	-28.94	
21 13 13 00-0142 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	82.84	10.89
<i>For &gt;25 To 50, Deduct</i>	-2.18	
<i>For &gt;50 To 100, Deduct</i>	-6.32	
<i>For &gt;100 To 500, Deduct</i>	-11.44	
<i>For &gt;500 To 1,000, Deduct</i>	-22.32	
<i>For &gt;1,000, Deduct</i>	-31.04	
21 13 13 00-0143 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	87.83	10.89
<i>For &gt;25 To 50, Deduct</i>	-2.18	
<i>For &gt;50 To 100, Deduct</i>	-6.57	
<i>For &gt;100 To 500, Deduct</i>	-12.07	
<i>For &gt;500 To 1,000, Deduct</i>	-23.22	
<i>For &gt;1,000, Deduct</i>	-31.94	

**21 Fire Suppression**  
**21 10 Water-Based Fire-Suppression Systems**  
**21 13 Fire-Suppression Sprinkler Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0144	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	83.98	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-6.16	
			<i>For &gt;100 To 500, Deduct</i>	-11.48	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.79	
			<i>For &gt;1,000, Deduct</i>	-29.63	
21 13 13 00-0145	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	87.28	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-6.33	
			<i>For &gt;100 To 500, Deduct</i>	-11.89	
			<i>For &gt;500 To 1,000, Deduct</i>	-22.38	
			<i>For &gt;1,000, Deduct</i>	-30.23	
21 13 13 00-0146	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	83.98	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-6.16	
			<i>For &gt;100 To 500, Deduct</i>	-11.48	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.79	
			<i>For &gt;1,000, Deduct</i>	-29.63	
21 13 13 00-0147	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	87.28	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-6.33	
			<i>For &gt;100 To 500, Deduct</i>	-11.89	
			<i>For &gt;500 To 1,000, Deduct</i>	-22.38	
			<i>For &gt;1,000, Deduct</i>	-30.23	
21 13 13 00-0148	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	66.39	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.28	
			<i>For &gt;100 To 500, Deduct</i>	-9.28	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.62	
			<i>For &gt;1,000, Deduct</i>	-26.47	
21 13 13 00-0149	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....	68.08	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.37	
			<i>For &gt;100 To 500, Deduct</i>	-9.49	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.92	
			<i>For &gt;1,000, Deduct</i>	-26.77	
21 13 13 00-0150	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head .....	70.18	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.47	
			<i>For &gt;100 To 500, Deduct</i>	-9.75	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.30	
			<i>For &gt;1,000, Deduct</i>	-27.15	
21 13 13 00-0151	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	72.73	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-5.82	
			<i>For &gt;100 To 500, Deduct</i>	-10.18	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.50	
			<i>For &gt;1,000, Deduct</i>	-29.22	
21 13 13 00-0152	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	74.54	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-5.91	
			<i>For &gt;100 To 500, Deduct</i>	-10.41	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.83	
			<i>For &gt;1,000, Deduct</i>	-29.55	
21 13 13 00-0153	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	76.50	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.00	
			<i>For &gt;100 To 500, Deduct</i>	-10.65	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.18	
			<i>For &gt;1,000, Deduct</i>	-29.90	
21 13 13 00-0154	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	74.16	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-5.89	
			<i>For &gt;100 To 500, Deduct</i>	-10.36	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.76	
			<i>For &gt;1,000, Deduct</i>	-29.48	
21 13 13 00-0155	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....	76.05	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-5.98	
			<i>For &gt;100 To 500, Deduct</i>	-10.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.10	
			<i>For &gt;1,000, Deduct</i>	-29.82	
21 13 13 00-0156	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	78.08	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.08	
			<i>For &gt;100 To 500, Deduct</i>	-10.85	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.46	
			<i>For &gt;1,000, Deduct</i>	-30.18	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0157 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	78.11	10.89
<i>For &gt;25 To 50, Deduct</i>	-2.18	
<i>For &gt;50 To 100, Deduct</i>	-6.09	
<i>For &gt;100 To 500, Deduct</i>	-10.85	
<i>For &gt;500 To 1,000, Deduct</i>	-21.47	
<i>For &gt;1,000, Deduct</i>	-30.19	
21 13 13 00-0158 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	80.89	10.89
<i>For &gt;25 To 50, Deduct</i>	-2.18	
<i>For &gt;50 To 100, Deduct</i>	-6.22	
<i>For &gt;100 To 500, Deduct</i>	-11.20	
<i>For &gt;500 To 1,000, Deduct</i>	-21.97	
<i>For &gt;1,000, Deduct</i>	-30.69	
21 13 13 00-0159 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	80.89	10.89
<i>For &gt;25 To 50, Deduct</i>	-2.18	
<i>For &gt;50 To 100, Deduct</i>	-6.22	
<i>For &gt;100 To 500, Deduct</i>	-11.20	
<i>For &gt;500 To 1,000, Deduct</i>	-21.97	
<i>For &gt;1,000, Deduct</i>	-30.69	
21 13 13 00-0160 EA 1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	133.95	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-8.66	
<i>For &gt;100 To 500, Deduct</i>	-17.72	
<i>For &gt;500 To 1,000, Deduct</i>	-30.78	
<i>For &gt;1,000, Deduct</i>	-38.63	
21 13 13 00-0161 EA 1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head.....	133.95	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-8.66	
<i>For &gt;100 To 500, Deduct</i>	-17.72	
<i>For &gt;500 To 1,000, Deduct</i>	-30.78	
<i>For &gt;1,000, Deduct</i>	-38.63	
21 13 13 00-0162 EA 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	67.09	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.32	
<i>For &gt;100 To 500, Deduct</i>	-9.37	
<i>For &gt;500 To 1,000, Deduct</i>	-18.75	
<i>For &gt;1,000, Deduct</i>	-26.59	
21 13 13 00-0163 EA 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	67.09	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.32	
<i>For &gt;100 To 500, Deduct</i>	-9.37	
<i>For &gt;500 To 1,000, Deduct</i>	-18.75	
<i>For &gt;1,000, Deduct</i>	-26.59	
21 13 13 00-0164 EA 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head.....	67.09	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.32	
<i>For &gt;100 To 500, Deduct</i>	-9.37	
<i>For &gt;500 To 1,000, Deduct</i>	-18.75	
<i>For &gt;1,000, Deduct</i>	-26.59	
<b>21 13 13 00-0165 Vertical Sidewall Wet-Pipe Sprinkler Heads</b> <small>(21 13 13 00-0132)</small>		
21 13 13 00-0166 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head.....	70.78	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.50	
<i>For &gt;100 To 500, Deduct</i>	-9.83	
<i>For &gt;500 To 1,000, Deduct</i>	-19.41	
<i>For &gt;1,000, Deduct</i>	-27.26	
21 13 13 00-0167 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head.....	73.33	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.63	
<i>For &gt;100 To 500, Deduct</i>	-10.15	
<i>For &gt;500 To 1,000, Deduct</i>	-19.87	
<i>For &gt;1,000, Deduct</i>	-27.71	
21 13 13 00-0168 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head.....	74.43	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.68	
<i>For &gt;100 To 500, Deduct</i>	-10.28	
<i>For &gt;500 To 1,000, Deduct</i>	-20.07	
<i>For &gt;1,000, Deduct</i>	-27.91	
<b>21 13 13 00-0169 Concealed Wet Pipe Sprinkler Heads</b> <small>(21 13 13 00-0024)</small>		
<b>21 13 13 00-0170 Concealed Pendant Wet-Pipe Sprinkler Heads</b> <small>(21 13 13 00-0169)</small>		
21 13 13 00-0171 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead.....	102.48	13.08
Note: Excludes coverplate		
<i>For &gt;25 To 50, Deduct</i>	-2.62	
<i>For &gt;50 To 100, Deduct</i>	-7.74	
<i>For &gt;100 To 500, Deduct</i>	-14.12	
<i>For &gt;500 To 1,000, Deduct</i>	-27.34	
<i>For &gt;1,000, Deduct</i>	-37.80	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0172 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	72.52	13.08
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.62	
For >50 To 100, Deduct	-6.24	
For >100 To 500, Deduct	-10.37	
For >500 To 1,000, Deduct	-21.94	
For >1,000, Deduct	-32.40	
21 13 13 00-0173 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	73.62	13.08
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.62	
For >50 To 100, Deduct	-6.30	
For >100 To 500, Deduct	-10.51	
For >500 To 1,000, Deduct	-22.14	
For >1,000, Deduct	-32.60	
21 13 13 00-0174 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	92.84	14.17
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.83	
For >50 To 100, Deduct	-7.48	
For >100 To 500, Deduct	-13.02	
For >500 To 1,000, Deduct	-26.35	
For >1,000, Deduct	-37.68	
21 13 13 00-0175 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	88.47	13.08
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.62	
For >50 To 100, Deduct	-7.04	
For >100 To 500, Deduct	-12.37	
For >500 To 1,000, Deduct	-24.82	
For >1,000, Deduct	-35.28	
21 13 13 00-0176 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	88.47	13.08
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.62	
For >50 To 100, Deduct	-7.04	
For >100 To 500, Deduct	-12.37	
For >500 To 1,000, Deduct	-24.82	
For >1,000, Deduct	-35.28	
21 13 13 00-0177 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	92.84	14.17
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.83	
For >50 To 100, Deduct	-7.48	
For >100 To 500, Deduct	-13.02	
For >500 To 1,000, Deduct	-26.35	
For >1,000, Deduct	-37.68	
21 13 13 00-0178 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	81.46	13.08
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.62	
For >50 To 100, Deduct	-6.69	
For >100 To 500, Deduct	-11.49	
For >500 To 1,000, Deduct	-23.55	
For >1,000, Deduct	-34.01	
21 13 13 00-0179 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	88.47	13.08
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.62	
For >50 To 100, Deduct	-7.04	
For >100 To 500, Deduct	-12.37	
For >500 To 1,000, Deduct	-24.82	
For >1,000, Deduct	-35.28	
21 13 13 00-0180 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	88.47	13.08
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.62	
For >50 To 100, Deduct	-7.04	
For >100 To 500, Deduct	-12.37	
For >500 To 1,000, Deduct	-24.82	
For >1,000, Deduct	-35.28	
21 13 13 00-0181 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	83.12	13.08
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.62	
For >50 To 100, Deduct	-6.77	
For >100 To 500, Deduct	-11.70	
For >500 To 1,000, Deduct	-23.85	
For >1,000, Deduct	-34.31	
21 13 13 00-0182 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head.....	138.95	15.26
Note: Excludes coverplate		
For >25 To 50, Deduct	-3.05	
For >50 To 100, Deduct	-10.00	
For >100 To 500, Deduct	-18.89	
For >500 To 1,000, Deduct	-35.38	
For >1,000, Deduct	-47.59	
21 13 13 00-0183 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	77.97	13.08
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.62	
For >50 To 100, Deduct	-6.51	
For >100 To 500, Deduct	-11.05	
For >500 To 1,000, Deduct	-22.93	
For >1,000, Deduct	-33.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0184 EA 3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	81.89	14.17
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.83	
For >50 To 100, Deduct	-6.93	
For >100 To 500, Deduct	-11.65	
For >500 To 1,000, Deduct	-24.37	
For >1,000, Deduct	-35.71	
21 13 13 00-0185 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	78.95	13.08
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.62	
For >50 To 100, Deduct	-6.56	
For >100 To 500, Deduct	-11.18	
For >500 To 1,000, Deduct	-23.10	
For >1,000, Deduct	-33.56	
21 13 13 00-0186 EA 3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	83.32	14.17
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.83	
For >50 To 100, Deduct	-7.00	
For >100 To 500, Deduct	-11.83	
For >500 To 1,000, Deduct	-24.63	
For >1,000, Deduct	-35.97	
21 13 13 00-0187 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	93.30	14.17
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.83	
For >50 To 100, Deduct	-7.50	
For >100 To 500, Deduct	-13.08	
For >500 To 1,000, Deduct	-26.43	
For >1,000, Deduct	-37.76	
21 13 13 00-0188 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Coverplate.....	161.67	15.26
For >25 To 50, Deduct	-3.05	
For >50 To 100, Deduct	-11.13	
For >100 To 500, Deduct	-21.73	
For >500 To 1,000, Deduct	-39.47	
For >1,000, Deduct	-51.68	
21 13 13 00-0189 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Coverplate.....	161.67	15.26
For >25 To 50, Deduct	-3.05	
For >50 To 100, Deduct	-11.13	
For >100 To 500, Deduct	-21.73	
For >500 To 1,000, Deduct	-39.47	
For >1,000, Deduct	-51.68	
<b>21 13 13 00-0190 Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads</b> <small>(21 13 13 00-0169)</small>		
21 13 13 00-0191 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	110.81	13.08
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.62	
For >50 To 100, Deduct	-8.16	
For >100 To 500, Deduct	-15.16	
For >500 To 1,000, Deduct	-28.84	
For >1,000, Deduct	-39.30	
21 13 13 00-0192 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	124.93	14.17
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.83	
For >50 To 100, Deduct	-9.08	
For >100 To 500, Deduct	-17.03	
For >500 To 1,000, Deduct	-32.12	
For >1,000, Deduct	-43.46	
21 13 13 00-0193 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	86.45	13.08
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.62	
For >50 To 100, Deduct	-6.94	
For >100 To 500, Deduct	-12.11	
For >500 To 1,000, Deduct	-24.45	
For >1,000, Deduct	-34.91	
21 13 13 00-0194 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	87.11	14.17
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.83	
For >50 To 100, Deduct	-7.19	
For >100 To 500, Deduct	-12.31	
For >500 To 1,000, Deduct	-25.31	
For >1,000, Deduct	-36.65	

**21 13 13 00-0195 Institutional Tamper Resistant Wet Pipe Sprinkler Heads** (21 13 13 00-0024)

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0196	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head .....270.20 Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		10.89
			For >25 To 50, Deduct	-2.18	
			For >50 To 100, Deduct	-15.69	
			For >100 To 500, Deduct	-34.86	
			For >500 To 1,000, Deduct	-56.05	
			For >1,000, Deduct	-64.76	
21 13 13 00-0197	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....263.65 Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		10.89
			For >25 To 50, Deduct	-2.18	
			For >50 To 100, Deduct	-15.36	
			For >100 To 500, Deduct	-34.05	
			For >500 To 1,000, Deduct	-54.87	
			For >1,000, Deduct	-63.59	
21 13 13 00-0198	EA		1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head .....112.88		10.89
			For >25 To 50, Deduct	-2.18	
			For >50 To 100, Deduct	-7.82	
			For >100 To 500, Deduct	-15.20	
			For >500 To 1,000, Deduct	-27.73	
			For >1,000, Deduct	-36.45	
21 13 13 00-0199	EA		1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....126.46		10.89
			For >25 To 50, Deduct	-2.18	
			For >50 To 100, Deduct	-8.50	
			For >100 To 500, Deduct	-16.90	
			For >500 To 1,000, Deduct	-30.17	
			For >1,000, Deduct	-38.89	
21 13 13 00-0200			Wet Pipe Sprinkler Head Accessories (21 13 13 00-0011)		
21 13 13 00-0201			Sprinkler Adjustable Steel Drop Nipple (21 13 13 00-0200)		
21 13 13 00-0202	EA		1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150) .....44.85		11.22
			For >25 To 50, Deduct	-0.94	
			For >50 To 100, Deduct	-3.18	
			For >100 To 500, Deduct	-6.07	
			For >500 To 1,000, Deduct	-11.25	
			For >1,000, Deduct	-15.00	
21 13 13 00-0203	EA		1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150) .....44.85		11.22
			For >25 To 50, Deduct	-0.94	
			For >50 To 100, Deduct	-3.18	
			For >100 To 500, Deduct	-6.07	
			For >500 To 1,000, Deduct	-11.25	
			For >1,000, Deduct	-15.00	
21 13 13 00-0204	EA		1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150) .....45.39		11.22
			For >25 To 50, Deduct	-0.94	
			For >50 To 100, Deduct	-3.21	
			For >100 To 500, Deduct	-6.14	
			For >500 To 1,000, Deduct	-11.35	
			For >1,000, Deduct	-15.09	
21 13 13 00-0205	EA		1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150) .....39.89		11.22
			For >25 To 50, Deduct	-0.94	
			For >50 To 100, Deduct	-2.93	
			For >100 To 500, Deduct	-5.45	
			For >500 To 1,000, Deduct	-10.36	
			For >1,000, Deduct	-14.10	
21 13 13 00-0206	EA		1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150) .....39.89		11.22
			For >25 To 50, Deduct	-0.94	
			For >50 To 100, Deduct	-2.93	
			For >100 To 500, Deduct	-5.45	
			For >500 To 1,000, Deduct	-10.36	
			For >1,000, Deduct	-14.10	
21 13 13 00-0207	EA		1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150) .....39.89		11.22
			For >25 To 50, Deduct	-0.94	
			For >50 To 100, Deduct	-2.93	
			For >100 To 500, Deduct	-5.45	
			For >500 To 1,000, Deduct	-10.36	
			For >1,000, Deduct	-14.10	
21 13 13 00-0208	EA		1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175) .....44.60		12.21
			For >25 To 50, Deduct	-1.02	
			For >50 To 100, Deduct	-3.25	
			For >100 To 500, Deduct	-6.08	
			For >500 To 1,000, Deduct	-11.49	
			For >1,000, Deduct	-15.55	
21 13 13 00-0209			Sprinkler Head Escutcheon (21 13 13 00-0200)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0210 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	17.26	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-1.19	
For >100 To 500, Deduct	-2.32	
For >500 To 1,000, Deduct	-4.22	
For >1,000, Deduct	-5.53	
21 13 13 00-0211 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon .....	11.85	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.92	
For >100 To 500, Deduct	-1.64	
For >500 To 1,000, Deduct	-3.24	
For >1,000, Deduct	-4.55	
21 13 13 00-0212 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	11.85	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.92	
For >100 To 500, Deduct	-1.64	
For >500 To 1,000, Deduct	-3.24	
For >1,000, Deduct	-4.55	
21 13 13 00-0213 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	17.26	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-1.19	
For >100 To 500, Deduct	-2.32	
For >500 To 1,000, Deduct	-4.22	
For >1,000, Deduct	-5.53	
21 13 13 00-0214 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon .....	11.85	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.92	
For >100 To 500, Deduct	-1.64	
For >500 To 1,000, Deduct	-3.24	
For >1,000, Deduct	-4.55	
21 13 13 00-0215 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....	11.85	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.92	
For >100 To 500, Deduct	-1.64	
For >500 To 1,000, Deduct	-3.24	
For >1,000, Deduct	-4.55	
21 13 13 00-0216 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	16.28	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-1.14	
For >100 To 500, Deduct	-2.20	
For >500 To 1,000, Deduct	-4.04	
For >1,000, Deduct	-5.35	
21 13 13 00-0217 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon .....	11.85	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.92	
For >100 To 500, Deduct	-1.64	
For >500 To 1,000, Deduct	-3.24	
For >1,000, Deduct	-4.55	
21 13 13 00-0218 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	11.85	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.92	
For >100 To 500, Deduct	-1.64	
For >500 To 1,000, Deduct	-3.24	
For >1,000, Deduct	-4.55	
21 13 13 00-0219 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	16.28	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-1.14	
For >100 To 500, Deduct	-2.20	
For >500 To 1,000, Deduct	-4.04	
For >1,000, Deduct	-5.35	
21 13 13 00-0220 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon .....	11.85	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.92	
For >100 To 500, Deduct	-1.64	
For >500 To 1,000, Deduct	-3.24	
For >1,000, Deduct	-4.55	
21 13 13 00-0221 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....	11.85	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.92	
For >100 To 500, Deduct	-1.64	
For >500 To 1,000, Deduct	-3.24	
For >1,000, Deduct	-4.55	
21 13 13 00-0222 EA 3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon.....	16.77	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-1.17	
For >100 To 500, Deduct	-2.26	
For >500 To 1,000, Deduct	-4.13	
For >1,000, Deduct	-5.44	
21 13 13 00-0223 EA 3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon.....	16.77	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-1.17	
For >100 To 500, Deduct	-2.26	
For >500 To 1,000, Deduct	-4.13	
For >1,000, Deduct	-5.44	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0224	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon.....	6.53	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.54	
			<i>For &gt;100 To 500, Deduct</i>	-0.93	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.92	
			<i>For &gt;1,000, Deduct</i>	-2.79	
21 13 13 00-0225	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon .....	5.85	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.51	
			<i>For &gt;100 To 500, Deduct</i>	-0.84	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.79	
			<i>For &gt;1,000, Deduct</i>	-2.67	
21 13 13 00-0226	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon.....	6.03	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.52	
			<i>For &gt;100 To 500, Deduct</i>	-0.86	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.83	
			<i>For &gt;1,000, Deduct</i>	-2.70	
21 13 13 00-0227	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon.....	6.65	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.55	
			<i>For &gt;100 To 500, Deduct</i>	-0.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.94	
			<i>For &gt;1,000, Deduct</i>	-2.81	
21 13 13 00-0228	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon .....	5.97	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.52	
			<i>For &gt;100 To 500, Deduct</i>	-0.86	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.82	
			<i>For &gt;1,000, Deduct</i>	-2.69	
21 13 13 00-0229	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon.....	5.97	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.52	
			<i>For &gt;100 To 500, Deduct</i>	-0.86	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.82	
			<i>For &gt;1,000, Deduct</i>	-2.69	
21 13 13 00-0230	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon.....	7.36	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.59	
			<i>For &gt;100 To 500, Deduct</i>	-1.03	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.07	
			<i>For &gt;1,000, Deduct</i>	-2.94	
21 13 13 00-0231	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon .....	5.95	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.52	
			<i>For &gt;100 To 500, Deduct</i>	-0.85	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.81	
			<i>For &gt;1,000, Deduct</i>	-2.68	
21 13 13 00-0232	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon.....	5.95	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.52	
			<i>For &gt;100 To 500, Deduct</i>	-0.85	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.81	
			<i>For &gt;1,000, Deduct</i>	-2.68	
21 13 13 00-0233	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon.....	9.88	4.03
			<i>For &gt;25 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.80	
			<i>For &gt;100 To 500, Deduct</i>	-1.39	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.82	
			<i>For &gt;1,000, Deduct</i>	-4.04	
21 13 13 00-0234	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	9.51	4.03
			<i>For &gt;25 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.78	
			<i>For &gt;100 To 500, Deduct</i>	-1.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.75	
			<i>For &gt;1,000, Deduct</i>	-3.97	
21 13 13 00-0235	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon.....	9.63	4.03
			<i>For &gt;25 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.79	
			<i>For &gt;100 To 500, Deduct</i>	-1.36	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.77	
			<i>For &gt;1,000, Deduct</i>	-3.99	
21 13 13 00-0236	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon.....	10.00	4.03
			<i>For &gt;25 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.81	
			<i>For &gt;100 To 500, Deduct</i>	-1.40	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.84	
			<i>For &gt;1,000, Deduct</i>	-4.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0237 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	9.63	4.03
<i>For &gt;25 To 50, Deduct</i>	-0.31	
<i>For &gt;50 To 100, Deduct</i>	-0.79	
<i>For &gt;100 To 500, Deduct</i>	-1.36	
<i>For &gt;500 To 1,000, Deduct</i>	-2.77	
<i>For &gt;1,000, Deduct</i>	-3.99	
21 13 13 00-0238 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon.....	9.88	4.03
<i>For &gt;25 To 50, Deduct</i>	-0.31	
<i>For &gt;50 To 100, Deduct</i>	-0.80	
<i>For &gt;100 To 500, Deduct</i>	-1.39	
<i>For &gt;500 To 1,000, Deduct</i>	-2.82	
<i>For &gt;1,000, Deduct</i>	-4.04	
21 13 13 00-0239 EA Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head .....	21.23	3.92
<i>For &gt;25 To 50, Deduct</i>	-0.33	
<i>For &gt;50 To 100, Deduct</i>	-1.39	
<i>For &gt;100 To 500, Deduct</i>	-2.82	
<i>For &gt;500 To 1,000, Deduct</i>	-4.93	
<i>For &gt;1,000, Deduct</i>	-6.24	
21 13 13 00-0240 EA Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	21.23	3.92
<i>For &gt;25 To 50, Deduct</i>	-0.33	
<i>For &gt;50 To 100, Deduct</i>	-1.39	
<i>For &gt;100 To 500, Deduct</i>	-2.82	
<i>For &gt;500 To 1,000, Deduct</i>	-4.93	
<i>For &gt;1,000, Deduct</i>	-6.24	
21 13 13 00-0241 EA Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head .....	21.23	3.92
<i>For &gt;25 To 50, Deduct</i>	-0.33	
<i>For &gt;50 To 100, Deduct</i>	-1.39	
<i>For &gt;100 To 500, Deduct</i>	-2.82	
<i>For &gt;500 To 1,000, Deduct</i>	-4.93	
<i>For &gt;1,000, Deduct</i>	-6.24	
21 13 13 00-0242 EA Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	21.23	3.92
<i>For &gt;25 To 50, Deduct</i>	-0.33	
<i>For &gt;50 To 100, Deduct</i>	-1.39	
<i>For &gt;100 To 500, Deduct</i>	-2.82	
<i>For &gt;500 To 1,000, Deduct</i>	-4.93	
<i>For &gt;1,000, Deduct</i>	-6.24	
21 13 13 00-0243 EA Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head .....	21.23	3.92
<i>For &gt;25 To 50, Deduct</i>	-0.33	
<i>For &gt;50 To 100, Deduct</i>	-1.39	
<i>For &gt;100 To 500, Deduct</i>	-2.82	
<i>For &gt;500 To 1,000, Deduct</i>	-4.93	
<i>For &gt;1,000, Deduct</i>	-6.24	
21 13 13 00-0244 EA White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head.....	21.23	3.92
<i>For &gt;25 To 50, Deduct</i>	-0.33	
<i>For &gt;50 To 100, Deduct</i>	-1.39	
<i>For &gt;100 To 500, Deduct</i>	-2.82	
<i>For &gt;500 To 1,000, Deduct</i>	-4.93	
<i>For &gt;1,000, Deduct</i>	-6.24	
21 13 13 00-0245 EA 2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head .....	24.58	3.92
<i>For &gt;25 To 50, Deduct</i>	-0.33	
<i>For &gt;50 To 100, Deduct</i>	-1.56	
<i>For &gt;100 To 500, Deduct</i>	-3.24	
<i>For &gt;500 To 1,000, Deduct</i>	-5.54	
<i>For &gt;1,000, Deduct</i>	-6.84	
21 13 13 00-0246 EA 2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	25.36	3.92
<i>For &gt;25 To 50, Deduct</i>	-0.33	
<i>For &gt;50 To 100, Deduct</i>	-1.60	
<i>For &gt;100 To 500, Deduct</i>	-3.33	
<i>For &gt;500 To 1,000, Deduct</i>	-5.68	
<i>For &gt;1,000, Deduct</i>	-6.98	
<b>21 13 13 00-0247 Coverplate For Sprinkler Heads</b> <small>(21 13 13 00-0200)</small>		
21 13 13 00-0248 EA Chrome Coverplate For Concealed Pendent Sprinkler Head .....	51.07	4.44
<i>For &gt;25 To 50, Deduct</i>	-0.37	
<i>For &gt;50 To 100, Deduct</i>	-2.92	
<i>For &gt;100 To 500, Deduct</i>	-6.57	
<i>For &gt;500 To 1,000, Deduct</i>	-10.45	
<i>For &gt;1,000, Deduct</i>	-11.93	
21 13 13 00-0249 EA White Coverplate For Concealed Pendent Sprinkler Head.....	24.42	4.44
<i>For &gt;25 To 50, Deduct</i>	-0.37	
<i>For &gt;50 To 100, Deduct</i>	-1.59	
<i>For &gt;100 To 500, Deduct</i>	-3.24	
<i>For &gt;500 To 1,000, Deduct</i>	-5.66	
<i>For &gt;1,000, Deduct</i>	-7.14	
21 13 13 00-0250 EA Specialty Coverplate For Concealed Pendent Sprinkler Head .....	35.98	4.44
<i>For &gt;25 To 50, Deduct</i>	-0.37	
<i>For &gt;50 To 100, Deduct</i>	-2.17	
<i>For &gt;100 To 500, Deduct</i>	-4.68	
<i>For &gt;500 To 1,000, Deduct</i>	-7.74	
<i>For &gt;1,000, Deduct</i>	-9.22	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0251	EA Brass Coverplate For Concealed Sidewall Sprinkler Head.....	32.98	4.44
	For >25 To 50, Deduct	-0.37	
	For >50 To 100, Deduct	-2.02	
	For >100 To 500, Deduct	-4.31	
	For >500 To 1,000, Deduct	-7.20	
	For >1,000, Deduct	-8.68	
21 13 13 00-0252	EA Chrome Coverplate For Concealed Sidewall Sprinkler Head .....	26.18	4.44
	For >25 To 50, Deduct	-0.37	
	For >50 To 100, Deduct	-1.68	
	For >100 To 500, Deduct	-3.46	
	For >500 To 1,000, Deduct	-5.97	
	For >1,000, Deduct	-7.45	
21 13 13 00-0253	EA White Coverplate For Concealed Sidewall Sprinkler Head.....	26.18	4.44
	For >25 To 50, Deduct	-0.37	
	For >50 To 100, Deduct	-1.68	
	For >100 To 500, Deduct	-3.46	
	For >500 To 1,000, Deduct	-5.97	
	For >1,000, Deduct	-7.45	
21 13 13 00-0254	EA Off-White Coverplate For Concealed Sidewall Sprinkler Head.....	32.98	4.44
	For >25 To 50, Deduct	-0.37	
	For >50 To 100, Deduct	-2.02	
	For >100 To 500, Deduct	-4.31	
	For >500 To 1,000, Deduct	-7.20	
	For >1,000, Deduct	-8.68	
21 13 13 00-0255	EA Black Painted Coverplate For Concealed Sidewall Sprinkler Head .....	32.98	4.44
	For >25 To 50, Deduct	-0.37	
	For >50 To 100, Deduct	-2.02	
	For >100 To 500, Deduct	-4.31	
	For >500 To 1,000, Deduct	-7.20	
	For >1,000, Deduct	-8.68	
21 13 13 00-0256	EA Black Plated Coverplate For Concealed Sidewall Sprinkler Head .....	38.37	4.44
	For >25 To 50, Deduct	-0.37	
	For >50 To 100, Deduct	-2.29	
	For >100 To 500, Deduct	-4.98	
	For >500 To 1,000, Deduct	-8.17	
	For >1,000, Deduct	-9.65	
21 13 13 00-0257	EA Bright Brass Coverplate For Concealed Sidewall Sprinkler Head.....	38.37	4.44
	For >25 To 50, Deduct	-0.37	
	For >50 To 100, Deduct	-2.29	
	For >100 To 500, Deduct	-4.98	
	For >500 To 1,000, Deduct	-8.17	
	For >1,000, Deduct	-9.65	
21 13 13 00-0258	EA Satin Chrome Coverplate For Concealed Sidewall Sprinkler Head .....	38.37	4.44
	For >25 To 50, Deduct	-0.37	
	For >50 To 100, Deduct	-2.29	
	For >100 To 500, Deduct	-4.98	
	For >500 To 1,000, Deduct	-8.17	
	For >1,000, Deduct	-9.65	
21 13 13 00-0259	EA Specialty Coverplate For Concealed Sidewall Sprinkler Head.....	33.01	4.44
	For >25 To 50, Deduct	-0.37	
	For >50 To 100, Deduct	-2.02	
	For >100 To 500, Deduct	-4.31	
	For >500 To 1,000, Deduct	-7.20	
	For >1,000, Deduct	-8.68	
21 13 13 00-0260	EA White Coverplate For Quick Release Concealed Sidewall Sprinkler Head.....	56.73	5.23
	For >25 To 50, Deduct	-0.44	
	For >50 To 100, Deduct	-3.27	
	For >100 To 500, Deduct	-7.31	
	For >500 To 1,000, Deduct	-11.69	
	For >1,000, Deduct	-13.43	
<b>21 13 13 00-0261</b>	<b>Sprinkler Escutcheon Extension Tube</b> <small>(21 13 13 00-0200)</small>		
21 13 13 00-0262	EA 2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	12.80	2.62
	Note: For use with 2 piece escutcheons		
	For >25 To 50, Deduct	-0.22	
	For >50 To 100, Deduct	-0.86	
	For >100 To 500, Deduct	-1.71	
	For >500 To 1,000, Deduct	-3.05	
	For >1,000, Deduct	-3.92	
21 13 13 00-0263	EA 2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	16.77	2.75
	Note: For use with 2 piece escutcheons		
	For >25 To 50, Deduct	-0.23	
	For >50 To 100, Deduct	-1.07	
	For >100 To 500, Deduct	-2.21	
	For >500 To 1,000, Deduct	-3.80	
	For >1,000, Deduct	-4.71	
21 13 13 00-0264	EA 2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	21.22	2.88
	Note: For use with 2 piece escutcheons		
	For >25 To 50, Deduct	-0.24	
	For >50 To 100, Deduct	-1.30	
	For >100 To 500, Deduct	-2.77	
	For >500 To 1,000, Deduct	-4.64	
	For >1,000, Deduct	-5.60	





<b>Fire Suppression</b>	<b>21</b>	<b>12</b>
<b>Water-Based Fire-Suppression Systems</b>	<b>21 10</b>	
<b>Fire-Suppression Sprinkler Systems</b>	<b>21 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0265 EA 2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube .....	25.18	3.01
Note: For use with 2 piece escutcheons		
For >25 To 50, Deduct	-0.25	
For >50 To 100, Deduct	-1.51	
For >100 To 500, Deduct	-3.27	
For >500 To 1,000, Deduct	-5.38	
For >1,000, Deduct	-6.39	
<b>21 13 13 00-0266 Sprinkler Head Guards</b> <small>(21 13 13 00-0200)</small>		
21 13 13 00-0267 EA Universal Sprinkler Head Guard, C-1 .....	18.45	7.85
For >25 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.58	
For >100 To 500, Deduct	-2.63	
For >500 To 1,000, Deduct	-5.54	
For >1,000, Deduct	-8.16	
21 13 13 00-0268 EA Dry Pendent Sprinkler Head Guard, C-2 .....	20.53	7.85
For >25 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.68	
For >100 To 500, Deduct	-2.89	
For >500 To 1,000, Deduct	-5.92	
For >1,000, Deduct	-8.54	
21 13 13 00-0269 EA Upright Sprinkler Head Guard With Water Shield, C-3 .....	24.08	7.85
For >25 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.86	
For >100 To 500, Deduct	-3.34	
For >500 To 1,000, Deduct	-6.56	
For >1,000, Deduct	-9.17	
21 13 13 00-0270 EA Pendent Sprinkler Head Guard With Water Shield, C-5 .....	28.46	7.85
For >25 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-2.08	
For >100 To 500, Deduct	-3.88	
For >500 To 1,000, Deduct	-7.35	
For >1,000, Deduct	-9.96	
21 13 13 00-0271 EA Universal Sprinkler Head Guard, D-1 .....	20.45	7.85
For >25 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.68	
For >100 To 500, Deduct	-2.88	
For >500 To 1,000, Deduct	-5.90	
For >1,000, Deduct	-8.52	
21 13 13 00-0272 EA Upright Sprinkler Head Guard With Water Shield, D-3 .....	21.80	7.85
For >25 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.74	
For >100 To 500, Deduct	-3.05	
For >500 To 1,000, Deduct	-6.15	
For >1,000, Deduct	-8.76	
21 13 13 00-0273 EA Pendent Sprinkler Head Guard With Large Water Shield, D-4 .....	31.84	7.85
For >25 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-2.25	
For >100 To 500, Deduct	-4.31	
For >500 To 1,000, Deduct	-7.95	
For >1,000, Deduct	-10.57	
21 13 13 00-0274 EA Pendent Sprinkler Head Guard With Small Water Shield, D-5.....	29.83	7.85
For >25 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-2.15	
For >100 To 500, Deduct	-4.06	
For >500 To 1,000, Deduct	-7.59	
For >1,000, Deduct	-10.21	
<b>21 13 13 00-0275 Replacement Sprinkler Escutcheon</b> <small>(21 13 13 00-0200)</small>		
21 13 13 00-0276 EA Push On, Brass Replacement Sprinkler Escutcheon.....	9.00	2.88
For >25 To 50, Deduct	-0.22	
For >50 To 100, Deduct	-0.67	
For >100 To 500, Deduct	-1.23	
For >500 To 1,000, Deduct	-2.36	
For >1,000, Deduct	-3.23	
21 13 13 00-0277 EA Push On, Chrome Replacement Sprinkler Escutcheon .....	8.94	2.88
For >25 To 50, Deduct	-0.22	
For >50 To 100, Deduct	-0.67	
For >100 To 500, Deduct	-1.23	
For >500 To 1,000, Deduct	-2.35	
For >1,000, Deduct	-3.22	
21 13 13 00-0278 EA Push On, White Replacement Sprinkler Escutcheon.....	8.94	2.88
For >25 To 50, Deduct	-0.22	
For >50 To 100, Deduct	-0.67	
For >100 To 500, Deduct	-1.23	
For >500 To 1,000, Deduct	-2.35	
For >1,000, Deduct	-3.22	
21 13 13 00-0279 EA Flush, Brass Replacement Sprinkler Escutcheon.....	8.94	2.88
For >25 To 50, Deduct	-0.22	
For >50 To 100, Deduct	-0.67	
For >100 To 500, Deduct	-1.23	
For >500 To 1,000, Deduct	-2.35	
For >1,000, Deduct	-3.22	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0280	EA		Flush, Chrome Replacement Sprinkler Escutcheon.....	8.94	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.67	
			<i>For &gt;100 To 500, Deduct</i>	-1.23	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.35	
			<i>For &gt;1,000, Deduct</i>	-3.22	
21 13 13 00-0281	EA		Flush, White Replacement Sprinkler Escutcheon .....	10.98	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.77	
			<i>For &gt;100 To 500, Deduct</i>	-1.48	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.72	
			<i>For &gt;1,000, Deduct</i>	-3.59	
21 13 13 00-0282	EA		Deep, Brass Replacement Sprinkler Escutcheon .....	8.94	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.67	
			<i>For &gt;100 To 500, Deduct</i>	-1.23	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.35	
			<i>For &gt;1,000, Deduct</i>	-3.22	
21 13 13 00-0283	EA		Deep, Chrome Replacement Sprinkler Escutcheon.....	8.94	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.67	
			<i>For &gt;100 To 500, Deduct</i>	-1.23	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.35	
			<i>For &gt;1,000, Deduct</i>	-3.22	
21 13 13 00-0284	EA		Deep, White Replacement Sprinkler Escutcheon .....	8.94	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.67	
			<i>For &gt;100 To 500, Deduct</i>	-1.23	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.35	
			<i>For &gt;1,000, Deduct</i>	-3.22	
<b>21 13 13 00-0285</b>			<b>Pendent Shield And O-Ring Assembly</b> <small>(21 13 13 00-0200)</small>		
21 13 13 00-0286	EA		Pendent Shield And O-Ring Assembly .....	14.22	5.76
			<i>For &gt;25 To 50, Deduct</i>	-0.44	
			<i>For &gt;50 To 100, Deduct</i>	-1.15	
			<i>For &gt;100 To 500, Deduct</i>	-2.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.04	
			<i>For &gt;1,000, Deduct</i>	-5.78	
<b>21 13 13 00-0287</b>			<b>Replacement Insulating Sealing Assembly</b> <small>(21 13 13 00-0200)</small>		
21 13 13 00-0288	EA		Insulating Sealing Assembly .....	59.27	13.08
			<i>For &gt;100 To 500, Deduct</i>	-8.06	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.11	
<b>21 13 13 00-0289</b>			<b>Flexible Sprinkler Piping</b> <small>(21 13 13 00-0011)</small>		
			Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0290	EA		2' Long Stainless Steel Flexible Sprinkler Piping .....	67.26	13.51
			Note: Includes ceiling mounting bracket.		
			<i>For &gt;25 To 50, Deduct</i>	-1.36	
			<i>For &gt;50 To 100, Deduct</i>	-4.73	
			<i>For &gt;100 To 500, Deduct</i>	-9.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-16.74	
			<i>For &gt;1,000, Deduct</i>	-22.19	
21 13 13 00-0291	EA		3' Long Stainless Steel Flexible Sprinkler Piping .....	74.80	13.94
			Note: Includes ceiling mounting bracket.		
			<i>For &gt;25 To 50, Deduct</i>	-1.43	
			<i>For &gt;50 To 100, Deduct</i>	-5.17	
			<i>For &gt;100 To 500, Deduct</i>	-10.07	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.34	
			<i>For &gt;1,000, Deduct</i>	-24.08	
21 13 13 00-0292	EA		4' Long Stainless Steel Flexible Sprinkler Piping .....	82.45	14.82
			Note: Includes ceiling mounting bracket.		
			<i>For &gt;25 To 50, Deduct</i>	-1.51	
			<i>For &gt;50 To 100, Deduct</i>	-5.64	
			<i>For &gt;100 To 500, Deduct</i>	-11.06	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.99	
			<i>For &gt;1,000, Deduct</i>	-26.04	
21 13 13 00-0293	EA		5' Long Stainless Steel Flexible Sprinkler Piping .....	90.33	15.69
			Note: Includes ceiling mounting bracket.		
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-6.12	
			<i>For &gt;100 To 500, Deduct</i>	-12.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.71	
			<i>For &gt;1,000, Deduct</i>	-28.12	
21 13 13 00-0294	EA		6' Long Stainless Steel Flexible Sprinkler Piping .....	98.41	17.44
			Note: Includes ceiling mounting bracket.		
			<i>For &gt;25 To 50, Deduct</i>	-1.70	
			<i>For &gt;50 To 100, Deduct</i>	-6.62	
			<i>For &gt;100 To 500, Deduct</i>	-13.15	
			<i>For &gt;500 To 1,000, Deduct</i>	-23.50	
			<i>For &gt;1,000, Deduct</i>	-30.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>21 13 13 00-0295 Sprinkler Emergency Cabinets</b> <small>(21 13 13 00-0011)</small>		
21 13 13 00-0296 EA 3 Capacity Emergency Sprinkler Cabinet, A4.....	90.91	
21 13 13 00-0297 EA 6 Capacity Emergency Sprinkler Cabinet, A4.....	95.26	
21 13 13 00-0298 EA 12 Capacity Emergency Sprinkler Cabinet, A4.....	101.51	
21 13 13 00-0299 EA 12 Capacity Emergency Sprinkler Cabinet, A3.....	321.34	
21 13 13 00-0300 EA Sprinkler Wrench, RC1.....	156.51	
21 13 13 00-0301 EA Sprinkler Wrench, FC.....	155.90	
21 13 13 00-0302 EA Sprinkler Wrench, W2.....	51.76	
<b>21 13 16 Dry-Pipe Sprinkler Systems</b> <small>(21 13)</small>		
<b>21 13 16 00-0001 Complete Dry Pipe Sprinkler Systems</b> <small>(21 13 16)</small>		
Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1396 for individual grooved pipe, 23 21 13 23-1469 for individual grooved pipe fittings.		
<b>21 13 16 00-0002 Light Hazard, Dry-Pipe Sprinkler Systems</b> <small>(21 13 16 00-0001)</small>		
21 13 16 00-0003 EA Exposed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head.....	444.97	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Up To 5, Add	202.47	
For >5 To 10, Add	105.69	
For >10 To 20, Add	81.21	
For >20 To 40, Add	34.49	
For >100 To 150, Deduct	-44.50	
For >150, Deduct	-88.99	
For Copper Pipe, Add	54.51	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-76.76	
21 13 16 00-0004 EA Concealed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head.....	550.15	
Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
For Up To 5, Add	253.26	
For >5 To 10, Add	138.02	
For >10 To 20, Add	104.82	
For >20 To 40, Add	44.11	
For >100 To 150, Deduct	-55.02	
For >150, Deduct	-110.03	
For Copper Pipe, Add	65.92	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-93.43	
<b>21 13 16 00-0005 Ordinary Hazard, Dry-Pipe Sprinkler Systems</b> <small>(21 13 16 00-0001)</small>		
21 13 16 00-0006 EA Exposed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head.....	453.64	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Up To 5, Add	205.63	
For >5 To 10, Add	105.80	
For >10 To 20, Add	81.62	
For >20 To 40, Add	34.77	
For >100 To 150, Deduct	-45.36	
For >150, Deduct	-90.73	
For Copper Pipe, Add	55.96	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-78.64	
21 13 16 00-0007 EA Concealed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head.....	555.82	
Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
For Up To 5, Add	255.13	
For >5 To 10, Add	137.59	
For >10 To 20, Add	104.79	
For >20 To 40, Add	44.19	
For >100 To 150, Deduct	-55.58	
For >150, Deduct	-111.16	
For Copper Pipe, Add	66.97	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-94.76	
<b>21 13 16 00-0008 Extra Hazard, Dry-Pipe Sprinkler Systems</b> <small>(21 13 16 00-0001)</small>		
21 13 16 00-0009 EA Exposed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head.....	426.05	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Up To 5, Add	192.95	
For >5 To 10, Add	98.92	
For >10 To 20, Add	76.39	
For >20 To 40, Add	32.57	
For >100 To 150, Deduct	-42.61	
For >150, Deduct	-85.21	
For Copper Pipe, Add	52.64	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-73.95	

**21 Fire Suppression**  
**21 10 Water-Based Fire-Suppression Systems**  
**21 13 Fire-Suppression Sprinkler Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0010	EA		Concealed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head.....517.38 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon. For Up To 5, Add 237.51 For >5 To 10, Add 128.12 For >10 To 20, Add 97.57 For >20 To 40, Add 41.15 For >100 To 150, Deduct -51.74 For >150, Deduct -103.48 For Copper Pipe, Add 62.33 For Polyvinyl Chloride (PVC) Pipe, Deduct -88.20		
<b>21 13 16 00-0011</b>			<b>Dry-Pipe Sprinkler System Equipment (21 13 16 00-0001)</b>		
21 13 16 00-0012	EA		Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge .....2,350.44		263.83
21 13 16 00-0013	EA		Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge .....2,459.26		263.83
21 13 16 00-0014	EA		Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge .....2,551.09		263.83
21 13 16 00-0015	EA		Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge .....2,908.17		263.83
<b>21 13 16 00-0016</b>			<b>Dry Pipe Sprinkler System Components (21 13 16)</b> Note: Excludes hydraulic calculations.		
<b>21 13 16 00-0017</b>			<b>Dry Pipe Valves (21 13 16 00-0016)</b> Note: Excludes trim package See CSI section 21 13 16 00-0022 for Dry Pipe Valve Trim.		
21 13 16 00-0018	EA		2-1/2" Dry Pipe Valve.....3,289.04		111.85
21 13 16 00-0019	EA		3" Dry Pipe Valve.....3,661.03		128.12
21 13 16 00-0020	EA		4" Dry Pipe Valve.....4,064.45		217.62
21 13 16 00-0021	EA		6" Dry Pipe Valve.....5,154.64		274.56
<b>21 13 16 00-0022</b>			<b>Dry Pipe Valve Trim (21 13 16 00-0016)</b> Note: Includes gauges, pressure switch, air supply and drain lines.		
21 13 16 00-0023	EA		2-1/2" Dry Pipe Valve Trim.....1,568.80		236.73
21 13 16 00-0024	EA		3" Dry Pipe Valve Trim.....1,568.80		236.73
21 13 16 00-0025	EA		4" Dry Pipe Valve Trim.....1,800.97		324.58
21 13 16 00-0026	EA		6" Dry Pipe Valve Trim.....2,012.48		451.49
<b>21 13 16 00-0027</b>			<b>Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)</b>		
21 13 16 00-0028	EA		3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....194.52 For >25 To 50, Deduct -2.62 For >50 To 100, Deduct -12.34 For >100 To 500, Deduct -25.62 For >500 To 1,000, Deduct -43.90 For >1,000, Deduct -54.36		17.26
21 13 16 00-0029	EA		6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....202.71 For >25 To 50, Deduct -2.62 For >50 To 100, Deduct -12.75 For >100 To 500, Deduct -26.65 For >500 To 1,000, Deduct -45.38 For >1,000, Deduct -55.84		17.26
21 13 16 00-0030	EA		9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....210.91 For >25 To 50, Deduct -2.62 For >50 To 100, Deduct -13.16 For >100 To 500, Deduct -27.67 For >500 To 1,000, Deduct -46.85 For >1,000, Deduct -57.31		17.26
21 13 16 00-0031	EA		12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....219.12 For >25 To 50, Deduct -2.62 For >50 To 100, Deduct -13.57 For >100 To 500, Deduct -28.70 For >500 To 1,000, Deduct -48.33 For >1,000, Deduct -58.79		17.26
21 13 16 00-0032	EA		15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....227.32 For >25 To 50, Deduct -2.62 For >50 To 100, Deduct -13.98 For >100 To 500, Deduct -29.72 For >500 To 1,000, Deduct -49.81 For >1,000, Deduct -60.27		17.26
21 13 16 00-0033	EA		18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....235.52 For >25 To 50, Deduct -2.62 For >50 To 100, Deduct -14.39 For >100 To 500, Deduct -30.75 For >500 To 1,000, Deduct -51.28 For >1,000, Deduct -61.74		17.26
21 13 16 00-0034	EA		21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....243.71 For >25 To 50, Deduct -2.62 For >50 To 100, Deduct -14.80 For >100 To 500, Deduct -31.77 For >500 To 1,000, Deduct -52.76 For >1,000, Deduct -63.22		17.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0035 EA 24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	251.93 -2.62 -15.21 -32.80 -54.24 -64.70	17.26
21 13 16 00-0036 EA 27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	260.11 -2.62 -15.62 -33.82 -55.71 -66.17	17.26
21 13 16 00-0037 EA 30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	268.31 -2.62 -16.03 -34.85 -57.19 -67.65	17.26
21 13 16 00-0038 EA 33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	276.52 -2.62 -16.44 -35.87 -58.66 -69.12	17.26
21 13 16 00-0039 EA 36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	284.72 -2.62 -16.85 -36.90 -60.14 -70.60	17.26
21 13 16 00-0040 EA 39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	292.94 -2.62 -17.26 -37.93 -61.62 -72.08	17.26
21 13 16 00-0041 EA 42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	301.12 -2.62 -17.67 -38.95 -63.09 -73.55	17.26
21 13 16 00-0042 EA 45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	309.33 -2.62 -18.08 -39.97 -64.57 -75.03	17.26
<b>21 13 16 00-0043 Sidewall Dry Pipe Sprinkler Heads, Quick Response</b> <small>(21 13 16 00-0016)</small>		
21 13 16 00-0044 EA 3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	192.54 -2.62 -12.24 -25.38 -43.55 -54.01	17.26
21 13 16 00-0045 EA 6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	200.75 -2.62 -12.65 -26.40 -45.03 -55.49	17.26
21 13 16 00-0046 EA 9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	208.97 -2.62 -13.06 -27.43 -46.51 -56.97	17.26
21 13 16 00-0047 EA 12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	217.14 -2.62 -13.47 -28.45 -47.98 -58.44	17.26
21 13 16 00-0048 EA 15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	225.35 -2.62 -13.88 -29.48 -49.45 -59.91	17.26

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0049	EA		18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	233.54	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.62	
			<i>For &gt;50 To 100, Deduct</i>	-14.29	
			<i>For &gt;100 To 500, Deduct</i>	-30.50	
			<i>For &gt;500 To 1,000, Deduct</i>	-50.93	
			<i>For &gt;1,000, Deduct</i>	-61.39	
21 13 16 00-0050	EA		21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	241.76	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.62	
			<i>For &gt;50 To 100, Deduct</i>	-14.70	
			<i>For &gt;100 To 500, Deduct</i>	-31.53	
			<i>For &gt;500 To 1,000, Deduct</i>	-52.41	
			<i>For &gt;1,000, Deduct</i>	-62.87	
21 13 16 00-0051	EA		24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	249.96	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.62	
			<i>For &gt;50 To 100, Deduct</i>	-15.11	
			<i>For &gt;100 To 500, Deduct</i>	-32.55	
			<i>For &gt;500 To 1,000, Deduct</i>	-53.88	
			<i>For &gt;1,000, Deduct</i>	-64.34	
21 13 16 00-0052	EA		27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	258.14	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.62	
			<i>For &gt;50 To 100, Deduct</i>	-15.52	
			<i>For &gt;100 To 500, Deduct</i>	-33.58	
			<i>For &gt;500 To 1,000, Deduct</i>	-55.36	
			<i>For &gt;1,000, Deduct</i>	-65.82	
21 13 16 00-0053	EA		30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	266.34	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.62	
			<i>For &gt;50 To 100, Deduct</i>	-15.93	
			<i>For &gt;100 To 500, Deduct</i>	-34.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-56.83	
			<i>For &gt;1,000, Deduct</i>	-67.29	
21 13 16 00-0054	EA		33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	274.55	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.62	
			<i>For &gt;50 To 100, Deduct</i>	-16.34	
			<i>For &gt;100 To 500, Deduct</i>	-35.63	
			<i>For &gt;500 To 1,000, Deduct</i>	-58.31	
			<i>For &gt;1,000, Deduct</i>	-68.77	
21 13 16 00-0055	EA		36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	282.75	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.62	
			<i>For &gt;50 To 100, Deduct</i>	-16.75	
			<i>For &gt;100 To 500, Deduct</i>	-36.65	
			<i>For &gt;500 To 1,000, Deduct</i>	-59.79	
			<i>For &gt;1,000, Deduct</i>	-70.25	
21 13 16 00-0056	EA		39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	307.36	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.62	
			<i>For &gt;50 To 100, Deduct</i>	-17.98	
			<i>For &gt;100 To 500, Deduct</i>	-39.73	
			<i>For &gt;500 To 1,000, Deduct</i>	-64.22	
			<i>For &gt;1,000, Deduct</i>	-74.68	
21 13 16 00-0057	EA		42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	315.56	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.62	
			<i>For &gt;50 To 100, Deduct</i>	-18.39	
			<i>For &gt;100 To 500, Deduct</i>	-40.75	
			<i>For &gt;500 To 1,000, Deduct</i>	-65.69	
			<i>For &gt;1,000, Deduct</i>	-76.15	
21 13 16 00-0058	EA		45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	318.83	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.62	
			<i>For &gt;50 To 100, Deduct</i>	-18.56	
			<i>For &gt;100 To 500, Deduct</i>	-41.16	
			<i>For &gt;500 To 1,000, Deduct</i>	-66.28	
			<i>For &gt;1,000, Deduct</i>	-76.74	
21 13 16 00-0059			<b>Pendent Dry Pipe Sprinkler Head, Early Suppression, Fast Response</b> <small>(21 13 16 00-0016)</small>		
21 13 16 00-0060	EA		23" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	891.90	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.83	
			<i>For &gt;50 To 100, Deduct</i>	-47.43	
			<i>For &gt;100 To 500, Deduct</i>	-112.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-170.18	
			<i>For &gt;1,000, Deduct</i>	-181.51	
21 13 16 00-0061	EA		30" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	891.90	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.83	
			<i>For &gt;50 To 100, Deduct</i>	-47.43	
			<i>For &gt;100 To 500, Deduct</i>	-112.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-170.18	
			<i>For &gt;1,000, Deduct</i>	-181.51	
21 13 16 00-0062	EA		36" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	891.90	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.83	
			<i>For &gt;50 To 100, Deduct</i>	-47.43	
			<i>For &gt;100 To 500, Deduct</i>	-112.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-170.18	
			<i>For &gt;1,000, Deduct</i>	-181.51	



<b>Fire Suppression</b>	<b>21</b>	
<b>Water-Based Fire-Suppression Systems</b>	<b>21 10</b>	<b>12</b>
<b>Fire-Suppression Sprinkler Systems</b>	<b>21 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0063 EA 36" Length, 1-1/4" ISO Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	891.90	17.26
For >25 To 50, Deduct	-2.83	
For >50 To 100, Deduct	-47.43	
For >100 To 500, Deduct	-112.90	
For >500 To 1,000, Deduct	-170.18	
For >1,000, Deduct	-181.51	
<b>21 13 19 Preaction Sprinkler Systems (21 13)</b>		
<b>21 13 19 00-0001 Complete Preaction Sprinkler Systems (21 13 19)</b>		
Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. See CSI section 23 21 13 23-1396 for individual grooved pipe, 23 21 13 23-1469 for individual grooved pipe fittings.		
<b>21 13 19 00-0002 Ordinary Hazard, Preaction Sprinkler Systems (21 13 19 00-0001)</b>		
21 13 19 00-0003 EA Exposed Piping, Ordinary Hazard, Preaction Sprinkler System, Per Head .....	424.09	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Up To 5, Add	193.81	
For >5 To 10, Add	121.08	
For >10 To 20, Add	78.67	
For >20 To 40, Add	33.29	
For >100 To 150, Deduct	-42.41	
For >150, Deduct	-84.82	
<b>21 13 19 00-0004 Extra Hazard, Preaction Sprinkler Systems (21 13 19 00-0001)</b>		
21 13 19 00-0005 EA Exposed Piping, Extra Hazard, Preaction Sprinkler System, Per Head .....	394.81	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Up To 5, Add	180.45	
For >5 To 10, Add	112.75	
For >10 To 20, Add	73.27	
For >20 To 40, Add	31.00	
For >100 To 150, Deduct	-39.48	
For >150, Deduct	-78.96	
<b>21 13 26 Deluge Fire-Suppression Sprinkler Systems (21 13)</b>		
<b>21 13 26 00-0001 Deluge Fire-Suppression Sprinkler Systems Equipment (21 13 26)</b>		
<b>21 13 26 00-0002 Deluge Valves With Required Trim And Release Equipment (21 13 26 00-0001)</b>		
21 13 26 00-0003 EA 3" Deluge Valve With Trim And Release Equipment .....	5,901.91	484.33
21 13 26 00-0004 EA 4" Deluge Valve With Trim And Release Equipment .....	6,769.17	544.82
21 13 26 00-0005 EA 6" Deluge Valve With Trim And Release Equipment .....	8,373.81	792.49
<b>21 13 39 Foam-Water Systems (21 13)</b>		
<b>21 13 39 00-0001 Foam Control Valves And Monitors (21 13 39)</b>		
<b>21 13 39 00-0002 Control Valves (21 13 39 00-0001)</b>		
21 13 39 00-0003 EA 3" Foam Control Valve.....	2,758.54	484.33
<b>21 13 39 00-0004 Supply Valves (21 13 39 00-0001)</b>		
21 13 39 00-0005 EA 2-1/2" Foam Supply Valve .....	2,481.84	544.82
<b>21 13 39 00-0006 Proportioners (21 13 39 00-0001)</b>		
21 13 39 00-0007 EA 8" Foam Proportioner.....	2,030.02	792.49
<b>21 13 39 00-0008 Monitors (21 13 39 00-0001)</b>		
21 13 39 00-0009 EA Oscillating Foam Monitor .....	2,883.90	108.97
<b>21 13 41 Fire-Suppression Sprinkler Piping (21 13)</b>		
See CSI section 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0798 for flanged black steel pipe fittings, 23 21 13 23-1396 for grooved pipe, 23 21 13 23-1469 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.		
<b>21 13 41 00-0001 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41)</b>		
Note: SDR 13.5		
<b>21 13 41 00-0002 Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41 00-0001)</b>		
21 13 41 00-0003 LF 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	4.94	1.39
21 13 41 00-0004 LF 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	5.99	1.48

<b>21</b>	<b>Fire Suppression</b>
<b>21 10</b>	<b>Water-Based Fire-Suppression Systems</b>
<b>21 13</b>	<b>Fire-Suppression Sprinkler Systems</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0005	LF		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	7.62	1.66
21 13 41 00-0006	LF		1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	9.41	1.83
21 13 41 00-0007	LF		2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	12.21	2.01
21 13 41 00-0008	LF		2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	16.90	2.26
21 13 41 00-0009	LF		3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	23.77	2.71
<b>21 13 41 00-0010</b>			<b>Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0011	EA		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	22.82	8.37
21 13 41 00-0012	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	30.37	10.46
21 13 41 00-0013	EA		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	38.00	13.08
21 13 41 00-0014	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	43.65	14.47
21 13 41 00-0015	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	49.66	16.22
21 13 41 00-0016	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	63.72	18.40
21 13 41 00-0017	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	78.47	21.79
<b>21 13 41 00-0018</b>			<b>Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0019	EA		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	23.49	8.37
21 13 41 00-0020	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	29.30	10.46
21 13 41 00-0021	EA		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	37.19	13.08
21 13 41 00-0022	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	42.36	14.47
21 13 41 00-0023	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	48.04	16.22
21 13 41 00-0024	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	59.65	18.40
21 13 41 00-0025	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	73.99	21.79
<b>21 13 41 00-0026</b>			<b>Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0027	EA		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	33.95	12.55
21 13 41 00-0028	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	44.48	15.78
21 13 41 00-0029	EA		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	56.81	19.70
21 13 41 00-0030	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	65.65	21.79
21 13 41 00-0031	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	77.36	24.23
21 13 41 00-0032	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	96.16	27.64
21 13 41 00-0033	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	113.60	32.60
<b>21 13 41 00-0034</b>			<b>Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0035	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	41.03	14.73
21 13 41 00-0036	EA		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	53.79	18.40
21 13 41 00-0037	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	60.36	20.32
21 13 41 00-0038	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	72.00	22.67
21 13 41 00-0039	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	85.50	25.80
21 13 41 00-0040	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	100.53	30.42
<b>21 13 41 00-0041</b>			<b>Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0042	EA		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	45.91	16.74
21 13 41 00-0043	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	57.55	21.01
21 13 41 00-0044	EA		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	72.60	26.24
21 13 41 00-0045	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	82.15	29.03
21 13 41 00-0046	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	96.76	32.34
21 13 41 00-0047	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	126.63	36.78
<b>21 13 41 00-0048</b>			<b>Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0049	EA		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	15.76	5.58
21 13 41 00-0050	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	21.11	7.49
21 13 41 00-0051	EA		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping .....	28.05	9.85
21 13 41 00-0052	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping .....	32.14	10.89
21 13 41 00-0053	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	37.03	12.12
21 13 41 00-0054	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping .....	44.77	13.77
21 13 41 00-0055	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	54.16	16.30
<b>21 13 41 00-0056</b>			<b>Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0057	EA		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	8.07	2.79
21 13 41 00-0058	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	12.81	4.53
21 13 41 00-0059	EA		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	14.80	4.88
21 13 41 00-0060	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	17.06	5.40
21 13 41 00-0061	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	20.39	6.10
21 13 41 00-0062	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	24.79	6.89
21 13 41 00-0063	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	32.61	8.20





<b>Fire Suppression</b>	<b>21</b>	<b>12</b>
<b>Water-Based Fire-Suppression Systems</b>	<b>21 10</b>	
<b>Fire-Suppression Sprinkler Systems</b>	<b>21 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>21 13 41 00-0064 Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0065 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping .....	22.08	8.28
21 13 41 00-0066 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping .....	29.33	10.81
21 13 41 00-0067 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping .....	32.41	11.94
21 13 41 00-0068 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping .....	37.06	13.34
21 13 41 00-0069 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping .....	44.31	15.17
21 13 41 00-0070 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping .....	54.39	17.95
<b>21 13 41 00-0071 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0072 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping.....	20.08	6.10
21 13 41 00-0073 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping.....	25.68	8.28
<b>21 13 41 00-0074 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0075 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	20.08	6.10
21 13 41 00-0076 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	25.68	8.28
<b>21 13 41 00-0077 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0078 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	23.24	7.49
21 13 41 00-0079 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	29.81	9.41
21 13 41 00-0080 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	31.16	9.41
<b>21 13 41 00-0081 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0082 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	38.08	12.55
21 13 41 00-0083 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	46.65	15.78
21 13 41 00-0084 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	61.23	19.70
21 13 41 00-0085 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	70.33	21.79
21 13 41 00-0086 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	83.05	24.23
<b>21 20 Fire-Extinguishing Systems</b> <small>(21)</small>		
<b>21 21 Carbon-Dioxide Fire-Extinguishing Systems</b> <small>(21 20)</small>		
<b>21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment</b> <small>(21 21)</small>		
<b>21 21 16 00-0001 Carbon Dioxide Cylinders</b> <small>(21 21 16)</small>		
21 21 16 00-0002 EA Carbon Dioxide Simplex Cylinder, 75 LB.....	2,071.16	212.13
21 21 16 00-0003 EA Carbon Dioxide Duplex Cylinder, 75 LB (Each) .....	4,142.32	424.25
21 21 16 00-0004 EA Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket.....	283.51	102.01
21 21 16 00-0005 EA Carbon Dioxide Cylinder, Dispersion Nozzle .....	133.44	38.75
21 21 16 00-0006 LF Carbon Dioxide Cylinder, 1/2" Rubber Tubing.....	34.08	15.72
<b>21 22 Clean-Agent Fire-Extinguishing Systems</b> <small>(21 20)</small>		
<b>21 22 16 Clean-Agent Fire-Extinguishing Equipment</b> <small>(21 22)</small>		
<b>21 22 16 00-0001 Ansul Fire Control Systems</b> <small>(21 22 16)</small>		
<b>21 22 16 00-0002 Sapphire® Fire Suppression Systems</b> <small>(21 22 16 00-0001)</small>		
Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novac™ 1230 fire protection fluid for total flooding applications.		
<b>21 22 16 00-0003 Cylinders, Sapphire® Fire Suppression Systems</b> <small>(21 22 16 00-0002)</small>		
21 22 16 00-0004 EA 20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635).....	1,483.08	72.32
Note: 10 to 21 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0005 EA 40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636).....	1,691.75	72.32
Note: 20 to 46 LB tank capacity. Excludes Sapphire agent.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0006 EA 80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637).....	1,719.18	72.32
Note: 41 to 80 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0007 EA 140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638).....	2,440.79	96.42
Note: 58 to 138 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0008 EA 280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639).....	2,578.73	96.42
Note: 116 to 280 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0009 EA 390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640).....	2,755.10	120.53
Note: 161 to 388 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0010 EA 450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641).....	2,923.29	120.53
Note: 194 to 459 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0011 EA 850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586).....	4,412.30	144.63
Note: 375 to 851 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0012 LB Sapphire Agent, Fire Protection Fluid, Factory Filled (Novec 1230) .....	37.27	144.63
Note: Add to empty tank cost.		
<b>21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0014 EA 1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515).....	141.58	12.06
21 22 16 00-0015 EA 3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516).....	145.13	12.06
21 22 16 00-0016 EA 1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517).....	154.04	12.06
21 22 16 00-0017 EA 1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518) .....	160.27	12.06
21 22 16 00-0018 EA 1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519) .....	169.17	12.06
21 22 16 00-0019 EA 2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520).....	195.86	12.06
21 22 16 00-0020 EA 1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602).....	141.58	12.06
21 22 16 00-0021 EA 3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603).....	145.13	12.06
21 22 16 00-0022 EA 1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604).....	154.04	12.06
21 22 16 00-0023 EA 1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605) .....	160.27	12.06
21 22 16 00-0024 EA 1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606) .....	169.17	12.06
21 22 16 00-0025 EA 2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607).....	195.86	12.06
<b>21 22 16 00-0026 Actuation Attachments, Sapphire® Fire Suppression System (21 22 16 00-0002)</b>		
21 22 16 00-0027 EA 7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810).....	12.72	3.62
21 22 16 00-0028 EA 7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811) .....	14.25	3.62
21 22 16 00-0029 EA 1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338).....	19.38	8.44
21 22 16 00-0030 EA 16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597) .....	45.77	10.80
21 22 16 00-0031 EA 32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142) .....	67.86	10.80
21 22 16 00-0032 EA 42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815) .....	81.95	10.80
21 22 16 00-0033 EA 24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336) .....	40.68	10.80
21 22 16 00-0034 EA Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537) .....	282.72	96.42
21 22 16 00-0035 EA Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549).....	272.77	72.32
21 22 16 00-0036 EA Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537) .....	613.78	96.42
<b>21 22 16 00-0037 Nameplates, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0038 EA Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580).....	45.47	12.06
21 22 16 00-0039 EA Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581).....	49.48	12.06
<b>21 22 16 00-0040 Cylinder Bracketing, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0041 EA Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085) .....	139.96	36.16
21 22 16 00-0042 EA Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085) .....	147.96	36.16
21 22 16 00-0043 EA Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336).....	158.20	36.16
<b>21 22 16 00-0044 Check Valves, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0045 EA 1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566) .....	378.59	38.38
21 22 16 00-0046 EA 2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568) .....	531.83	65.85
<b>21 22 16 00-0047 Discharge Hose, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0048 EA 1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539).....	118.51	24.11
21 22 16 00-0049 EA 2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538).....	446.02	24.11
21 22 16 00-0050 EA 3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990).....	375.70	24.11
21 22 16 00-0051 EA 3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841) .....	1,641.64	96.42
<b>21 22 16 00-0052 Swivel Adaptors, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0053 EA 1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557).....	42.45	16.88
21 22 16 00-0054 EA 2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558).....	75.72	16.88
21 22 16 00-0055 EA 3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471).....	211.00	12.06
21 22 16 00-0056 EA 3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470).....	272.62	12.06
<b>21 22 16 00-0057 Pressure Switches, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0058 EA Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585) .....	155.60	48.21
21 22 16 00-0059 EA Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156) .....	157.08	20.24
21 22 16 00-0060 EA Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250).....	482.88	84.37



	<b>Fire Suppression</b>	<b>21</b>
	<b>Fire-Extinguishing Systems</b>	<b>21 20</b>
	<b>Clean-Agent Fire-Extinguishing Systems</b>	<b>21 22</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>21 22 16 00-0061</b> Level Indicators, Sapphire® Fire Suppression Systems <small>(21 22 16 00-0002)</small>		
21 22 16 00-0062 EA Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277).....	565.91	16.88
21 22 16 00-0063 EA Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278).....	592.62	16.88
21 22 16 00-0064 EA Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589).....	634.66	24.11
<b>21 22 16 00-0065</b> Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems <small>(21 22 16 00-0002)</small>		
21 22 16 00-0066 EA Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342).....	43.16	14.47
21 22 16 00-0067 EA Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642).....	54.11	16.88
21 22 16 00-0068 EA Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579).....	180.40	72.32
21 22 16 00-0069 EA 1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576).....	210.93	72.32
21 22 16 00-0070 EA 2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592).....	236.29	72.32
21 22 16 00-0071 EA 3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891).....	318.17	72.32
<b>21 22 16 00-0072</b> Replacement Parts, Sapphire® Fire Suppression Systems <small>(21 22 16 00-0002)</small>		
21 22 16 00-0073 EA O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559).....	51.37	19.29
21 22 16 00-0074 EA Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553).....	85.07	12.06
21 22 16 00-0075 EA Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053).....	114.52	24.11
21 22 16 00-0076 EA Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543).....	301.42	96.42
21 22 16 00-0077 EA Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551).....	457.15	96.42
21 22 16 00-0078 EA 1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535).....	1,549.08	96.42
<b>21 22 16 00-0079</b> Inergen® Fire Suppression System <small>(21 22 16 00-0001)</small>		
<b>21 22 16 00-0080</b> Actuation Attachments, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0081 EA Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082).....	166.14	23.88
21 22 16 00-0082 EA Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958).....	193.21	25.67
21 22 16 00-0083 EA Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309).....	345.68	46.45
21 22 16 00-0084 EA Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876).....	694.90	105.79
<b>21 22 16 00-0085</b> Check Valves, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0086 EA 2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794).....	1,677.75	139.63
<b>21 22 16 00-0087</b> Components, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0088 EA 1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378).....	49.35	7.32
21 22 16 00-0089 EA Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700).....	580.53	78.46
21 22 16 00-0090 EA 30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169).....	1,807.15	245.47
21 22 16 00-0091 EA 60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170).....	1,722.04	250.07
<b>21 22 16 00-0092</b> Cylinders, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093 EA 200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147).....	1,506.54	224.66
21 22 16 00-0094 EA 250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148).....	1,708.99	254.53
21 22 16 00-0095 EA 350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620).....	2,446.23	329.84
21 22 16 00-0096 EA 435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150).....	2,447.41	403.06
21 22 16 00-0097 EA 250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257).....	1,767.29	283.80
21 22 16 00-0098 EA 350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621).....	2,504.97	359.22
21 22 16 00-0099 EA 435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259).....	2,584.19	433.12
<b>21 22 16 00-0100</b> Inspection/Maintenance Devices, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0101 EA CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657).....	56.87	8.17
21 22 16 00-0102 EA CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181).....	56.87	8.17
21 22 16 00-0103 EA CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954).....	68.61	9.07
21 22 16 00-0104 EA Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923).....	1,083.64	155.90
<b>21 22 16 00-0105</b> Multiple Cylinder Bracketing, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0106 EA 13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502).....	18.25	2.39
Note: For single row 435 cubic foot cylinders.		
21 22 16 00-0107 EA 27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503).....	25.91	3.41
Note: For double row 435 cubic foot cylinders.		
<b>21 22 16 00-0108</b> Nameplates, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0109 EA Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265).....	20.13	2.67
21 22 16 00-0110 EA Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266).....	18.60	2.67
<b>21 22 16 00-0111</b> Nozzle Deflector Shields, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0112 EA 1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708).....	80.86	11.50

<b>21</b>	<b>Fire Suppression</b>
<b>21 20</b>	<b>Fire-Extinguishing Systems</b>
<b>21 22</b>	<b>Clean-Agent Fire-Extinguishing Systems</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0113 EA 3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711).....	84.84	12.05
21 22 16 00-0114 EA 1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714) .....	98.58	13.91
21 22 16 00-0115 EA 1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717) .....	109.88	15.72
21 22 16 00-0116 EA 1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720) .....	126.04	18.06
<b>21 22 16 00-0117</b> <b>Nozzles, Inergen® Fire Suppression System</b> (21 22 16 00-0079)		
21 22 16 00-0118 EA 1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908) .....	123.84	17.80
21 22 16 00-0119 EA 3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723) .....	128.48	18.33
21 22 16 00-0120 EA 1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362) .....	118.51	16.97
21 22 16 00-0121 EA 3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363) .....	121.36	18.33
21 22 16 00-0122 EA 1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364) .....	140.90	20.16
21 22 16 00-0123 EA 1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365) .....	150.62	21.47
21 22 16 00-0124 EA 1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366) .....	162.15	23.04
21 22 16 00-0125 EA 2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155) .....	279.12	40.32
21 22 16 00-0126 EA 2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156) .....	369.05	52.89
21 22 16 00-0127 EA 3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137) .....	402.30	58.14
21 22 16 00-0128 EA 1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138) .....	144.21	20.93
21 22 16 00-0129 EA 3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139) .....	170.11	24.51
21 22 16 00-0130 EA 1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140) .....	140.00	20.16
21 22 16 00-0131 EA 3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141) .....	149.54	21.37
21 22 16 00-0132 EA 1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142) .....	150.85	21.47
21 22 16 00-0133 EA 1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143) .....	182.10	26.08
21 22 16 00-0134 EA 1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157) .....	196.26	28.28
21 22 16 00-0135 EA 2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144) .....	301.27	43.40
21 22 16 00-0136 EA 2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145) .....	351.76	50.80
21 22 16 00-0137 EA 3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146) .....	385.44	55.51
<b>21 22 16 00-0138</b> <b>Pressure Reducers, Inergen® Fire Suppression System</b> (21 22 16 00-0079)		
21 22 16 00-0139 EA 1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677) .....	162.15	23.04
21 22 16 00-0140 EA 3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678) .....	198.94	28.70
21 22 16 00-0141 EA 1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679) .....	213.98	30.90
21 22 16 00-0142 EA 1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680) .....	301.27	43.40
21 22 16 00-0143 EA 1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681) .....	329.17	47.55
21 22 16 00-0144 EA 2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682) .....	386.76	55.51
21 22 16 00-0145 EA 2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057) .....	449.67	65.09
21 22 16 00-0146 EA 3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058) .....	531.62	76.99
21 22 16 00-0147 EA 2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823) .....	678.13	151.88
21 22 16 00-0148 EA 3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824) .....	873.39	178.07
21 22 16 00-0149 EA 4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825) .....	1,116.29	298.52
21 22 16 00-0150 EA 2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847) .....	661.21	151.88
21 22 16 00-0151 EA 3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848) .....	731.88	106.08
21 22 16 00-0152 EA 4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849) .....	1,116.29	298.52
21 22 16 00-0153 EA 2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853) .....	675.45	151.88
21 22 16 00-0154 EA 3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854) .....	760.69	110.24
21 22 16 00-0155 EA 4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855) .....	1,094.93	298.52
<b>21 22 16 00-0156</b> <b>Pressure Switches, Inergen® Fire Suppression System</b> (21 22 16 00-0079)		
21 22 16 00-0157 EA 3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344) .....	761.51	115.75
<b>21 22 16 00-0158</b> <b>Releasing Device Equipment, Inergen® Fire Suppression System</b> (21 22 16 00-0079)		
21 22 16 00-0159 EA 12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728) .....	1,248.89	179.56
21 22 16 00-0160 EA 24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492) .....	1,777.92	239.27
21 22 16 00-0161 EA 120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525) .....	1,885.02	243.40
21 22 16 00-0162 EA Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310) .....	88.17	12.38
21 22 16 00-0163 EA LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373) .....	105.37	16.39
21 22 16 00-0164 EA Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939) .....	1,009.72	128.11
<b>21 22 16 00-0165</b> <b>Replacement Orifice Plates, Inergen® Fire Suppression System</b> (21 22 16 00-0079)		
21 22 16 00-0166 EA 1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095) .....	110.43	12.16
21 22 16 00-0167 EA 3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096) .....	115.75	12.81
21 22 16 00-0168 EA 1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097) .....	121.53	13.02
21 22 16 00-0169 EA 1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098) .....	130.41	13.46
21 22 16 00-0170 EA 1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099) .....	135.71	14.77
21 22 16 00-0171 EA 2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100) .....	136.34	15.96
21 22 16 00-0172 EA 2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984) .....	299.03	42.77
21 22 16 00-0173 EA 3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985) .....	301.70	43.21
21 22 16 00-0174 EA 4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986) .....	386.76	55.36
<b>21 22 16 00-0175</b> <b>Single Cylinder Bracketing, Inergen® Fire Suppression System</b> (21 22 16 00-0079)		
21 22 16 00-0176 EA Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704) .....	140.90	20.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0177 EA Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705) ..... Note: Includes saddle, padding and fasteners.	193.06	46.09
<b>21 22 16 00-0178 Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System</b> <small>(21 22 16 00-0079)</small>		
21 22 16 00-0179 EA 2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856) ..... Note: Includes gasket and fasteners.	367.15	29.80
21 22 16 00-0180 EA 3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857) ..... Note: Includes gasket and fasteners.	308.80	44.50
21 22 16 00-0181 EA 4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858) ..... Note: Includes gasket and fasteners.	623.31	298.52
21 22 16 00-0182 EA 2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859) ..... Note: Includes gasket and fasteners.	193.62	27.83
21 22 16 00-0183 EA 3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860) ..... Note: Includes gasket and fasteners.	227.27	32.47
21 22 16 00-0184 EA 4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861) ..... Note: Includes gasket and fasteners.	618.82	298.52
21 22 16 00-0185 EA 2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862) ..... Note: Includes gasket and fasteners.	201.57	29.15
21 22 16 00-0186 EA 3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863) ..... Note: Includes gasket and fasteners.	236.15	33.97
21 22 16 00-0187 EA 4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864) ..... Note: Includes gasket and fasteners.	641.06	298.52
21 22 16 00-0188 EA 2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828) ..... Note: Includes a stainless steel inner ring and a carbon steel outer ring.	39.48	2.21
21 22 16 00-0189 EA 3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829) ..... Note: Includes a stainless steel inner ring and a carbon steel outer ring.	39.92	2.43
21 22 16 00-0190 EA 4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830) ..... Note: Includes a stainless steel inner ring and a carbon steel outer ring.	43.00	2.88
<b>21 22 16 00-0191 Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System</b> <small>(21 22 16 00-0079)</small>		
21 22 16 00-0192 EA Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508) .....	24.68	3.54
21 22 16 00-0193 EA Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027) .....	202.97	26.93
21 22 16 00-0194 EA 85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592) ..... Note: Includes upright, left, right and center.	151.38	26.93
<b>21 22 16 00-0195 Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0001)</small>		
<b>21 22 16 00-0196 Accessory Switches, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0197 EA Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495) .....	159.04	23.24
21 22 16 00-0198 EA Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494) .....	180.75	26.49
21 22 16 00-0199 EA Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497) .....	229.90	33.65
21 22 16 00-0200 EA Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496) .....	247.63	36.26
21 22 16 00-0201 EA Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499) .....	310.09	45.60
21 22 16 00-0202 EA Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498) .....	330.03	48.42
21 22 16 00-0203 EA Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956) .....	632.58	93.37
21 22 16 00-0204 EA Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490) .....	50.94	6.95
<b>21 22 16 00-0205 Alarm Devices, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0206 EA Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698) .....	137.77	20.19
21 22 16 00-0207 EA Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699) .....	202.01	29.53
21 22 16 00-0208 EA Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702) .....	18.42	2.69
<b>21 22 16 00-0209 Annunciators, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0210 EA 80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492) .....	1,587.39	234.28
21 22 16 00-0211 EA 16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496) .....	1,330.70	196.28
21 22 16 00-0212 EA 16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497) .....	1,033.00	152.42
21 22 16 00-0213 EA 32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500) .....	899.69	132.66
21 22 16 00-0214 EA Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501) .....	899.69	132.66

**21 Fire Suppression****21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0215 EA Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502) .....	720.73	106.17
21 22 16 00-0216 EA Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650) .....	1,330.70	196.28
21 22 16 00-0217 EA 24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651) .....	270.66	39.74
21 22 16 00-0218 EA 48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652) .....	339.31	49.94
21 22 16 00-0219 EA 8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653) .....	680.41	100.31
21 22 16 00-0220 EA Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660) .....	114.96	16.82
21 22 16 00-0221 EA Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576) .....	156.36	23.24
21 22 16 00-0222 EA Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657) .....	270.67	39.74
<b>21 22 16 00-0223 Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)</b>		
21 22 16 00-0224 EA CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586) .....	210.37	32.35
21 22 16 00-0225 EA REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639) .....	13.02	2.22
21 22 16 00-0226 EA REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640) .....	90.87	2.69
21 22 16 00-0227 EA REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765) .....	14.07	2.69
<b>21 22 16 00-0228 Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)</b>		
21 22 16 00-0229 EA Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564) .....	467.67	72.52
21 22 16 00-0230 EA Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566) .....	280.35	43.21
<b>21 22 16 00-0231 Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)</b>		
21 22 16 00-0232 EA 7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692) .....	206.57	27.79
21 22 16 00-0233 EA 12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693) .....	432.00	58.84
21 22 16 00-0234 EA 18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694) .....	487.53	66.65
21 22 16 00-0235 EA 25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695) .....	637.06	81.20
21 22 16 00-0236 EA 55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997) .....	1,027.29	140.91
21 22 16 00-0237 EA BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578) .....	153.73	22.36
21 22 16 00-0238 EA BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079) .....	274.65	40.38
Note: Holds six XP5 modules or 25AH battery pack.		
21 22 16 00-0239 EA BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410) .....	558.60	82.29
Note: For mounting in BB-55 battery box.		
21 22 16 00-0240 EA Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207) .....	1,623.94	239.70
Note: For mounting in BB-55 battery box.		
21 22 16 00-0241 EA 120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563) .....	1,187.61	175.21
<b>21 22 16 00-0242 Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)</b>		
21 22 16 00-0243 EA Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097) .....	125.14	18.57
21 22 16 00-0244 EA Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098) .....	116.91	18.46
21 22 16 00-0245 EA Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480) .....	158.49	26.49
21 22 16 00-0246 EA 2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100) .....	235.23	34.53
21 22 16 00-0247 EA NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101) .....	182.91	28.00
21 22 16 00-0248 EA Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102) .....	171.83	26.93
21 22 16 00-0249 EA Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487) .....	27.37	4.29
21 22 16 00-0250 EA Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125) .....	100.99	15.20
21 22 16 00-0251 EA Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066) .....	101.00	14.77
21 22 16 00-0252 EA HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067) .....	36.05	12.16
21 22 16 00-0253 EA Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138) .....	9.29	1.35
Note: Converts BX501 to low profile base.		
21 22 16 00-0254 EA Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945) .....	97.22	14.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0255 EA EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699).....	56.96	8.38
21 22 16 00-0256 EA XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078).....	154.16	22.15
21 22 16 00-0257 EA BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080).....	80.62	11.72
<b>21 22 16 00-0258 Manual Pull Stations, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0259 EA Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661).....	23.21	3.15
21 22 16 00-0260 EA Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336).....	14.39	1.73
<b>21 22 16 00-0261 Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0262 EA Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470).....	202.01	29.53
Note: Includes municipal box and remote station connection.		
21 22 16 00-0263 EA Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471).....	607.46	84.90
21 22 16 00-0264 EA Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411).....	1,159.72	171.09
21 22 16 00-0265 EA Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635).....	30.93	4.43
<b>21 22 16 00-0266 Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0001)</small>		
<b>21 22 16 00-0267 Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0268 EA Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482).....	157.19	20.85
21 22 16 00-0269 EA Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379).....	343.15	31.42
21 22 16 00-0270 EA 120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374).....	874.22	121.58
21 22 16 00-0271 EA 220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375).....	874.22	121.58
21 22 16 00-0272 EA 120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376).....	1,313.52	182.38
Note: Includes housing and battery cab.		
21 22 16 00-0273 EA 220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377).....	1,313.52	182.38
Note: Includes housing and battery cab.		
21 22 16 00-0274 EA 48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378).....	1,919.04	232.32
<b>21 22 16 00-0275 Blank Plates, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0276 EA Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459).....	28.19	3.91
21 22 16 00-0277 EA Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458).....	42.53	3.91
21 22 16 00-0278 EA Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484).....	61.71	7.38
21 22 16 00-0279 EA Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446).....	96.13	8.25
21 22 16 00-0280 EA Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447).....	120.87	16.50
21 22 16 00-0281 EA Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480).....	223.94	20.85
<b>21 22 16 00-0282 Detectors, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0283 EA LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350).....	6,601.79	1,020.47
Note: Includes 3 blank plates.		
21 22 16 00-0284 EA LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354).....	8,423.38	1,259.31
Note: Includes centrally mounted LCD programmer module and standard display.		
21 22 16 00-0285 EA LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356).....	7,616.57	1,150.74
Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0286 EA 7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357).....	10,591.13	1,519.86
21 22 16 00-0287 EA 12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358).....	11,150.65	1,606.71
21 22 16 00-0288 EA 7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359).....	10,707.64	1,541.56
Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.		
21 22 16 00-0289 EA 12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360).....	11,308.59	1,628.42
Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.		
21 22 16 00-0290 EA 7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361).....	11,631.64	1,693.55
Note: Includes 2 blank plates and scan display module at far right.		
21 22 16 00-0291 EA 12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363).....	12,136.27	1,780.41
Note: Includes 2 blank plates and scanner display.		
21 22 16 00-0292 EA 7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365).....	12,756.33	1,867.25
Note: Includes centrally mounted programmer module.		
21 22 16 00-0293 EA 12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367).....	13,301.01	1,954.10
Note: Includes centrally mounted LCD programmer module and scanner display module.		
21 22 16 00-0294 EA 12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369).....	12,500.56	1,780.41
Note: Includes centrally mounted LCD programmer.		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

21 22 16 00-0295	Displays, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>			
21 22 16 00-0296	EA	VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381).....	2,008.48	238.83
		Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0297	EA	VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385).....	2,018.28	238.83
		Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0298	EA	VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383).....	1,818.93	217.12
		Note: Includes a remote termination card without relays.		
21 22 16 00-0299	EA	VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387).....	1,830.31	217.12
		Note: Includes a remote termination card.		
21 22 16 00-0300	EA	VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389).....	2,262.38	260.55
		Note: Includes a remote termination card and 12 relays.		
21 22 16 00-0301	EA	VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391).....	1,922.58	225.81
21 22 16 00-0302	EA	VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393).....	2,104.54	253.60
<b>21 22 16 00-0303</b>	<b>Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small></b>			
21 22 16 00-0304	EA	LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370).....	5,050.81	716.51
21 22 16 00-0305	EA	LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372).....	4,159.69	573.20
21 22 16 00-0306	EA	Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380).....	1,470.75	217.12
21 22 16 00-0307	EA	VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395).....	1,058.77	141.13
21 22 16 00-0308	EA	System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399).....	1,475.12	190.20
21 22 16 00-0309	EA	PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442).....	2,271.22	234.49
		Note: Interface connects PC and LaserPLUS system.		
21 22 16 00-0310	EA	Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443).....	278.24	35.17
21 22 16 00-0311	EA	Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444).....	1,860.56	217.12
21 22 16 00-0312	EA	Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460).....	1,329.00	180.21
21 22 16 00-0313	EA	VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463).....	1,043.76	138.96
21 22 16 00-0314	EA	Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461).....	1,331.13	180.21
21 22 16 00-0315	EA	Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464).....	1,329.00	180.21
21 22 16 00-0316	EA	Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487).....	1,314.07	169.36
21 22 16 00-0317	EA	Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466).....	156.49	15.20
21 22 16 00-0318	EA	Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467).....	6,349.21	833.75
21 22 16 00-0319	EA	Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470).....	11,063.58	1,459.06
21 22 16 00-0320	EA	Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475).....	864.53	108.56
21 22 16 00-0321	EA	Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477).....	19.68	2.17
21 22 16 00-0322	EA	Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478).....	11.10	0.43
21 22 16 00-0323	EA	US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481).....	476.28	62.96
21 22 16 00-0324	EA	Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483).....	577.02	76.43
21 22 16 00-0325	EA	Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486).....	832.97	110.74
21 22 16 00-0326	EA	RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488).....	122.74	16.50
21 22 16 00-0327	EA	Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502).....	19.18	3.48
<b>21 22 16 00-0328</b>	<b>Labels And Decals, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small></b>			
21 22 16 00-0329	EA	Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509).....	17.42	2.60
21 22 16 00-0330	EA	Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505).....	18.30	3.04
21 22 16 00-0331	EA	Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506).....	28.19	3.91
21 22 16 00-0332	EA	Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507).....	28.24	3.91
21 22 16 00-0333	EA	Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508).....	102.35	14.77
<b>21 22 16 00-0334</b>	<b>Mounting Hardware, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small></b>			
21 22 16 00-0335	EA	Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456).....	252.72	31.27
21 22 16 00-0336	EA	Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472).....	340.49	41.68
21 22 16 00-0337	EA	Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471).....	348.39	45.60
21 22 16 00-0338	EA	Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457).....	846.86	65.14
21 22 16 00-0339	EA	Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445).....	1,246.96	143.30
<b>21 22 16 00-0340</b>	<b>Pipe And Fittings, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small></b>			
21 22 16 00-0341	LF	3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491).....	4.80	1.39
21 22 16 00-0342	EA	3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497).....	8.08	2.79





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0343 EA 3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494) .....	22.00	8.37
21 22 16 00-0344 EA 3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493) .....	22.81	8.37
21 22 16 00-0345 EA 3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495) .....	15.77	5.58
21 22 16 00-0346 EA 3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496) .....	25.60	8.37
21 22 16 00-0347 EA 3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498) .....	33.90	12.55
21 22 16 00-0348 EA 3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499) .....	42.70	14.73
21 22 16 00-0349 LF 1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500) .....	4.59	1.57
21 22 16 00-0350 EA Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479) .....	18.31	4.78
21 22 16 00-0351 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503) .....	22.31	3.48
21 22 16 00-0352 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504) .....	31.99	4.78
<b>21 22 16 00-0353 Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0354 EA VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396) .....	1,458.74	166.75
<small>Note: Remote box includes 7 relays for VLP/VLC.</small>		
21 22 16 00-0355 EA VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490) .....	1,487.33	191.94
21 22 16 00-0356 EA 12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485) .....	900.29	117.25
21 22 16 00-0357 EA RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489) .....	1,028.66	132.44
21 22 16 00-0358 EA VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397) .....	1,458.74	166.75
<small>Note: Remote box includes 7 relays for VLS.</small>		
21 22 16 00-0359 EA VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398) .....	1,760.12	191.94
<small>Note: Remote box includes 12 relays for VLS.</small>		
21 22 16 00-0360 EA Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468) .....	499.38	59.05
21 22 16 00-0361 EA Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469) .....	751.14	90.32
21 22 16 00-0362 EA 7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474) .....	1,415.02	186.73
21 22 16 00-0363 EA 12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476) .....	2,075.84	273.57
<b>21 22 16 00-0364 Preferred® Low Pressure CO2 System</b> <small>(21 22 16 00-0001)</small>		
<b>21 22 16 00-0365 Manual Pull Stations, Preferred® Low Pressure CO2 System</b> <small>(21 22 16 00-0364)</small>		
21 22 16 00-0366 EA Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658) .....	112.07	15.20
<small>Note: Excludes FMM-101.</small>		
21 22 16 00-0367 EA Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659) .....	83.83	11.29
<b>21 22 16 00-0368 Industrial Fire Control System</b> <small>(21 22 16 00-0001)</small>		
<b>21 22 16 00-0369 Alarm Devices, Industrial Fire Control System</b> <small>(21 22 16 00-0368)</small>		
21 22 16 00-0370 EA Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947) .....	2,713.20	400.59
21 22 16 00-0371 EA 6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751) .....	82.93	9.20
21 22 16 00-0372 EA 24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697) .....	81.96	11.95
21 22 16 00-0373 EA Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700) .....	48.82	7.17
21 22 16 00-0374 EA Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701) .....	19.95	2.91
<b>21 22 16 00-0375 Manual Pull Stations, Industrial Fire Control System</b> <small>(21 22 16 00-0368)</small>		
21 22 16 00-0376 EA SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655) .....	92.61	12.59
21 22 16 00-0377 EA DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656) .....	130.57	17.80
21 22 16 00-0378 EA Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657) .....	1,019.43	139.83
21 22 16 00-0379 EA Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660) .....	29.64	4.04
21 22 16 00-0380 EA Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654) .....	13.29	1.80
<b>21 22 16 00-0381 Marine Fire Control System</b> <small>(21 22 16 00-0001)</small>		
<b>21 22 16 00-0382 Alarm Devices, Marine Fire Control System</b> <small>(21 22 16 00-0381)</small>		
21 22 16 00-0383 EA Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747) .....	53.71	7.30
21 22 16 00-0384 EA 6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805) .....	98.98	14.11
21 22 16 00-0385 EA 10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806) .....	98.98	14.11
<b>21 22 16 00-0386 FM200 System Equipment</b> <small>(21 22 16)</small>		
21 22 16 00-0387 EA 26 LB Cylinder, Filled, For FM200 Fire Protection system .....	3,471.40	104.75
21 22 16 00-0388 EA 44 LB Cylinder, Filled, For FM200 Fire Protection system .....	4,984.44	119.93
21 22 16 00-0389 EA 63 LB Cylinder, Filled, For FM200 Fire Protection system .....	5,916.99	141.40
21 22 16 00-0390 EA 101 LB Cylinder, Filled, For FM200 Fire Protection system .....	7,847.44	167.59
21 22 16 00-0391 EA 196 LB Cylinder, Filled, For FM200 Fire Protection system .....	12,280.48	209.49



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

21 22 16 00-0392	EA	Electro/Mechanical Release, For FM200 Fire Protection system.....	715.52	209.49
21 22 16 00-0393	EA	Manual Pull Station, For FM200 Fire Protection system .....	250.49	69.66
21 22 16 00-0394	EA	Pneumatic Damper Release, For FM200 Fire Protection system .....	314.80	52.37
21 22 16 00-0395	LB	FM200 Gas .....	26.78	
21 22 16 00-0396	EA	Master Cylinder, For FM200 Fire Protection system.....	5,695.36	56.35
21 22 16 00-0397	EA	Shuttle Check Valve, For FM200 Fire Protection system.....	799.10	78.77
21 22 16 00-0398	EA	Flex Head Cylinder, For FM200 Fire Protection system .....	794.73	84.43
21 22 16 00-0399	EA	Nozzles, For FM200 Fire Protection system .....	195.63	29.85
21 22 16 00-0400	EA	Cylinder Support, For FM200 Fire Protection system .....	223.53	56.35
21 22 16 00-0401	EA	Solenoid Valve, For FM200 Fire Protection system .....	1,036.34	84.43
21 22 16 00-0402	EA	Battery Back-Up, For FM200 Fire Protection system.....	738.43	222.68
21 22 16 00-0403	EA	Control Panel, Single Zone, For FM200 Fire Protection system.....	4,049.10	418.35
21 22 16 00-0404	EA	Control Panel, Multi Zone, For FM200 Fire Protection system.....	6,518.82	837.64
21 22 16 00-0405	EA	Smoke Or Heat Detector, For FM200 Fire Protection system.....	311.88	84.43
21 22 16 00-0406	EA	Annunciator, For FM200 Fire Protection system.....	3,284.90	317.06
21 22 16 00-0407	EA	Pressure Switch, For FM200 Fire Protection system.....	340.38	84.43
21 22 16 00-0408	EA	Alarm Horn, For FM200 Fire Protection system.....	309.13	84.43
21 22 16 00-0409	EA	Testing, For FM200 Fire Protection system.....	1,464.90	
21 22 16 00-0410	EA	Abort Switch, For FM200 Fire Protection system.....	218.75	39.27

## 21 23 Wet-Chemical Fire-Extinguishing Systems <sup>(21 20)</sup>

### 21 23 16 Wet-Chemical Fire-Extinguishing Equipment <sup>(21 23)</sup>

#### 21 23 16 00-0001 Kidde Fire Systems <sup>(21 23 16)</sup>

Note: Kidde or equal.

#### 21 23 16 00-0002 Cylinders And Hardware <sup>(21 23 16 00-0001)</sup>

21 23 16 00-0003	EA	125 Cylinder And Valve Assembly With 1.25 Gallon Of Wet Agent.....	962.20	86.78
21 23 16 00-0004	EA	260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent .....	1,102.70	108.08
21 23 16 00-0005	EA	400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent .....	1,350.89	133.35
21 23 16 00-0006	EA	600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent.....	1,594.97	158.23
21 23 16 00-0007	EA	Discharge Adapter Kit (One Required Per Cylinder).....	54.04	4.54
21 23 16 00-0008	EA	System Valve Actuator.....	193.53	18.03
21 23 16 00-0009	EA	Vent Plug .....	36.21	3.66
21 23 16 00-0010	EA	Gauge Shield .....	89.06	9.64
21 23 16 00-0011	EA	125 Cylinder Wall Mounting Bracket .....	99.62	9.64
21 23 16 00-0012	EA	260 Cylinder Wall Mounting Bracket .....	105.60	10.22
21 23 16 00-0013	EA	400S And M Cylinder Wall Mounting Bracket .....	200.79	19.29
21 23 16 00-0014	EA	600 And 400M Cylinder Shelf Bracket .....	196.34	21.89
21 23 16 00-0015	EA	600 And 400M Cylinder Floor Mounting Kit .....	265.15	21.94
21 23 16 00-0016	EA	125 And 260 Cylinder Replacement Bracket Strap.....	35.55	
21 23 16 00-0017	EA	400 And 600 Cylinder Replacement Bracket Strap.....	37.55	

#### 21 23 16 00-0018 Nozzles And Accessories <sup>(21 23 16 00-0001)</sup>

21 23 16 00-0019	EA	ADP, F, GRW Or R Nozzle .....	89.28	8.87
21 23 16 00-0020	EA	LPF Or DM Nozzle.....	97.31	8.87
21 23 16 00-0021	EA	LPR Nozzle.....	113.86	8.87
21 23 16 00-0022	EA	3/8" Swivel Adapter For Nozzles.....	67.11	6.27
21 23 16 00-0023	EA	Removal And Replacement Of Nozzle Seals.....	10.56	
21 23 16 00-0024	EA	Chrome Nozzle Disc Cap.....	6.52	0.57
21 23 16 00-0025	EA	LPR Nozzle Disc Cap .....	33.59	8.82

#### 21 23 16 00-0026 Control Systems <sup>(21 23 16 00-0001)</sup>

21 23 16 00-0027	EA	XV Control System.....	1,134.34	57.85
		Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.		
21 23 16 00-0028	EA	7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System) .....	95.04	9.64
21 23 16 00-0029	EA	24" High Pressure Hose.....	112.98	9.64
21 23 16 00-0030	EA	60" High Pressure Hose.....	152.85	9.64
21 23 16 00-0031	EA	XV Solenoid Kit (Electric Actuator), 24 Volt DC .....	219.97	19.29
21 23 16 00-0032	EA	XV Microswitch Kit, SPDT.....	71.95	9.06
21 23 16 00-0033	EA	XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release .....	77.93	9.06
21 23 16 00-0034	EA	EMT Connector Kit (EMT Connector And O-Ring).....	30.42	7.23
21 23 16 00-0035	EA	KRS-50 Control Box Assembly .....	636.86	37.36
		Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.		
21 23 16 00-0036	EA	SPDT Microswitch For KRS-50.....	93.60	9.06
21 23 16 00-0037	EA	DPDT Microswitch For KRS-50.....	169.57	15.72
21 23 16 00-0038	EA	SPDT Pressure Switch (Fire Department Tie-In) .....	519.99	50.43

#### 21 23 16 00-0039 Mechanical Actuation Components <sup>(21 23 16 00-0001)</sup>

21 23 16 00-0040	EA	Universal Detector Link Housing Kit, Mechanical Actuation Systems .....	56.22	14.47
		Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.		
21 23 16 00-0041	EA	XV Low Profile Link Detector Housing Kit.....	80.75	14.47
		Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.		
21 23 16 00-0042	EA	XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip.....	226.60	9.64
21 23 16 00-0043	EA	XV Remote Manual Release, Pull-To-Trip .....	172.78	9.64



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0044	EA			Corner Pulley, Mechanical Actuation Systems .....	26.08	2.60
21 23 16 00-0045	EA			Double Tee Pulley, Mechanical Actuation Systems .....	367.43	15.91
21 23 16 00-0046	EA			In-Line Tee Pulley, Mechanical Actuation Systems .....	43.75	4.24
21 23 16 00-0047	EA			Corner Pulley / Quik-Seal Adapter Combination.....	91.37	4.82
21 23 16 00-0048	LF			1/16" Cable, Mechanical Actuation Systems .....	2.43	0.97
21 23 16 00-0049	EA			Cable Clamp .....	12.93	0.48
21 23 16 00-0050	EA			Cable Crimp Sleeve, Mechanical Actuation Systems .....	1.65	0.38
21 23 16 00-0051	EA			"S" Hook, Mechanical Actuation Systems.....	1.58	0.38
21 23 16 00-0052	EA			1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems.....	93.38	8.96
<b>21 23 16 00-0053 Mechanical Detection Links (21 23 16 00-0001)</b>						
21 23 16 00-0054	EA			KGS Standard Response Link.....	18.96	4.82
21 23 16 00-0055	EA			KGS Rapid Response Link.....	28.27	4.82
21 23 16 00-0056	EA			KFA Type "A" Fusible Link.....	24.09	4.82
21 23 16 00-0057	EA			KML Type "ML" Fusible Link.....	23.59	4.82
21 23 16 00-0058	EA			500 Degree, KML Type "ML" Fusible Link.....	35.55	4.82
<b>21 23 16 00-0059 Gas Valves (21 23 16 00-0001)</b>						
21 23 16 00-0060	EA			3/4" NPT Mechanical Cable Operated Gas Shut-off Valve .....	428.70	20.83
21 23 16 00-0061	EA			1" NPT Mechanical Cable Operated Gas Shut-off Valve .....	465.69	25.65
21 23 16 00-0062	EA			1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	533.85	32.40
21 23 16 00-0063	EA			1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	585.29	37.31
21 23 16 00-0064	EA			2" NPT Mechanical Cable Operated Gas Shut-off Valve .....	630.96	44.07
21 23 16 00-0065	EA			2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	1,049.07	64.41
21 23 16 00-0066	EA			3" NPT Mechanical Cable Operated Gas Shut-off Valve .....	1,170.59	74.53
21 23 16 00-0067	EA			Pneumatic Release (Single Unit) .....	487.03	23.53
21 23 16 00-0068	EA			Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve .....	58.32	
21 23 16 00-0069	EA			1/2" Electric Solenoid Gas Shut-off Valve.....	448.28	19.38
21 23 16 00-0070	EA			3/4" Electric Solenoid Gas Shut-off Valve.....	451.19	20.83
21 23 16 00-0071	EA			1" Electric Solenoid Gas Shut-off Valve .....	698.58	25.65
21 23 16 00-0072	EA			1-1/4" Electric Solenoid Gas Shut-off Valve.....	737.83	32.40
21 23 16 00-0073	EA			1-1/2" Electric Solenoid Gas Shut-off Valve.....	847.08	37.31
21 23 16 00-0074	EA			2" Electric Solenoid Gas Shut-off Valve.....	1,090.31	44.07
21 23 16 00-0075	EA			2-1/2" Electric Solenoid Gas Shut-off Valve.....	1,805.54	64.41
21 23 16 00-0076	EA			3" Electric Solenoid Gas Shut-off Valve.....	2,270.77	74.53
21 23 16 00-0077	EA			Manual Reset Relay .....	587.33	96.90
<b>21 23 16 00-0078 Liquid Tight Sealing Adapters (21 23 16 00-0001)</b>						
21 23 16 00-0079	EA			3/8" Tubing, Compression Seal Adapter .....	48.24	4.05
21 23 16 00-0080	EA			1/2" Tubing, 1/4" Pipe, Compression Seal Adapter .....	47.35	4.44
21 23 16 00-0081	EA			5/8" Tubing, 3/8" Pipe, Compression Seal Adapter .....	55.55	5.30
21 23 16 00-0082	EA			3/4" Tubing, 1/2" Pipe, Compression Seal Adapter .....	64.30	5.69
21 23 16 00-0083	EA			1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter .....	55.55	5.30
21 23 16 00-0084	EA			3/8" NPT Female, Quik-Seal Adapter .....	47.35	4.44
21 23 16 00-0085	EA			1/2" NPT Female, Quik-Seal Adapter .....	47.35	4.44
21 23 16 00-0086	EA			3/4" NPT Female, Quik-Seal Adapter .....	77.65	7.52
21 23 16 00-0087	EA			1" NPT Female, Quik-Seal Adapter .....	103.40	9.93
21 23 16 00-0088	EA			Quik-Patch For Hole Patching Up To 1-1/8" Diameter.....	47.35	
<b>21 23 16 00-0089 Pressure Operated Releasing Systems (21 23 16 00-0001)</b>						
21 23 16 00-0090	EA			KRS-100 Nitrogen Cylinder.....	345.69	29.12
21 23 16 00-0091	EA			KRS-100 Actuator Assembly .....	308.32	29.70
21 23 16 00-0092	EA			KRS-100 Mounting Bracket .....	249.06	7.33
21 23 16 00-0093	EA			KRS-700S Nitrogen Cylinder .....	885.85	83.98
21 23 16 00-0094	EA			KRS-700 Mounting Bracket .....	188.52	17.94
21 23 16 00-0095	EA			KRS-700S Discharge Adapter Kit.....	289.54	17.94
21 23 16 00-0096	EA			Check Valve, Pressure Operated Releasing Systems.....	288.83	12.72
21 23 16 00-0097	EA			Vent Check, Pressure Operated Releasing Systems .....	86.95	8.10
21 23 16 00-0098	EA			Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly .....	11.53	
21 23 16 00-0099	EA			3 Pole, Double Throw Pressure Switch .....	709.97	67.50
<b>21 23 16 00-0100 Pyro-Chem Kitchen Fire Suppression Systems (21 23 16)</b>						
<b>21 23 16 00-0101 Cylinders, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>						
21 23 16 00-0102	EA			3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194).....	730.06	68.45
21 23 16 00-0103	EA			4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193).....	1,051.63	98.64
21 23 16 00-0104	EA			6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196).....	1,381.64	134.89
21 23 16 00-0105	EA			Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053).....	149.86	16.10
21 23 16 00-0106	EA			Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208).....	986.57	105.29
21 23 16 00-0107	EA			Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966).....	602.37	64.22
<b>21 23 16 00-0108 Fusible Links, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>						
21 23 16 00-0109	EA			165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522).....	19.45	2.12
21 23 16 00-0110	EA			212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523).....	19.45	2.12

**21 Fire Suppression****21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0111	EA		280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524).....	19.91	2.12
21 23 16 00-0112	EA		360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525).....	19.45	2.12
21 23 16 00-0113	EA		450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526).....	19.45	2.12
21 23 16 00-0114	EA		500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527).....	21.13	2.12
21 23 16 00-0115	EA		Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131).....	33.69	3.57
21 23 16 00-0116	EA		Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132).....	43.74	4.73
21 23 16 00-0117	EA		Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876).....	55.90	24.40
21 23 16 00-0118	EA		225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6).....	421.99	54.29
<b>21 23 16 00-0119</b>			<b>Gas Valves, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0120	EA		3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593).....	349.40	20.83
21 23 16 00-0121	EA		1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594).....	398.22	25.65
21 23 16 00-0122	EA		1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595).....	430.42	32.40
21 23 16 00-0123	EA		1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596).....	473.67	37.22
21 23 16 00-0124	EA		2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049).....	545.03	43.97
21 23 16 00-0125	EA		2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185).....	1,264.70	64.31
21 23 16 00-0126	EA		3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186).....	1,350.28	74.43
21 23 16 00-0127	EA		3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358).....	274.76	20.83
21 23 16 00-0128	EA		1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359).....	467.26	25.65
21 23 16 00-0129	EA		1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360).....	488.25	32.40
21 23 16 00-0130	EA		1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361).....	555.75	37.22
21 23 16 00-0131	EA		2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362).....	768.91	43.97
21 23 16 00-0132	EA		2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363).....	1,484.83	64.31
21 23 16 00-0133	EA		3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643).....	1,566.71	74.43
<b>21 23 16 00-0134</b>			<b>Nozzles, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0135	EA		Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	69.71	7.14
21 23 16 00-0136	EA		Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	98.86	9.06
21 23 16 00-0137	EA		Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	378.62	9.06
<b>21 23 16 00-0138</b>			<b>Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0139	EA		Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059).....	25.74	2.79
21 23 16 00-0140	EA		PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104).....	843.43	90.54
21 23 16 00-0141	EA		PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690).....	1,074.81	115.80
<b>21 23 16 00-0142</b>			<b>Circuit Monitors, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0143	EA		24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303).....	551.36	59.30
21 23 16 00-0144	EA		120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302).....	665.27	71.45
<b>21 23 16 00-0145</b>			<b>Control Heads, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0146	EA		Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203).....	608.31	65.37
21 23 16 00-0147	EA		Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200).....	634.93	68.36
21 23 16 00-0148	EA		24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201).....	827.03	88.90
21 23 16 00-0149	EA		120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202).....	948.76	102.21
21 23 16 00-0150	EA		Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853).....	77.06	8.30
<b>21 23 16 00-0151</b>			<b>Corner Pulleys/Tees, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0152	EA		Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670).....	19.19	1.35
21 23 16 00-0153	EA		Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250).....	19.80	1.73
21 23 16 00-0154	EA		Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166).....	61.79	6.65
21 23 16 00-0155	EA		Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272).....	0.79	
<b>21 23 16 00-0156</b>			<b>Switches, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0157	EA		SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227).....	67.20	7.23
21 23 16 00-0158	EA		DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237).....	134.58	14.37
21 23 16 00-0159	EA		Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978).....	284.81	30.47
<b>21 23 16 00-0160</b>			<b>Wire Rope/Accessories, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0161	LF		1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821).....	1.39	0.29
21 23 16 00-0162	EA		Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122).....	0.83	0.29
21 23 16 00-0163	EA		High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551).....	3.34	0.38
21 23 16 00-0164	EA		"S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121).....	0.58	
<b>21 23 16 00-0165</b>			<b>Replacement Parts, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0166	EA		Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698).....	63.85	6.95
21 23 16 00-0167	EA		Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831).....	66.66	7.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0168 EA Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705).....	7.81	0.87
21 23 16 00-0169 EA 225 psi, Wet Gage, Kitchen Fire Suppression Systems (Pyro-Chem 551236) .....	91.61	9.45
21 23 16 00-0170 EA Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716).....	12.84	1.35
21 23 16 00-0171 EA Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707) .....	17.88	1.93
21 23 16 00-0172 EA Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715) .....	7.81	0.87
21 23 16 00-0173 EA Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528).....	11.00	1.16
21 23 16 00-0174 EA Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529).....	10.76	1.16
21 23 16 00-0175 EA Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530).....	3.08	0.29
21 23 16 00-0176 EA Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257) .....	5.21	
21 23 16 00-0177 EA O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063) .....	99.59	
21 23 16 00-0178 EA 3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024) .....	677.25	
21 23 16 00-0179 EA 4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902) .....	879.75	
21 23 16 00-0180 EA 6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901) .....	1,016.35	
<b>21 23 16 00-0181 Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0182 EA 3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857) .....	31.26	3.28
21 23 16 00-0183 EA 1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859) .....	32.39	3.47
21 23 16 00-0184 EA Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788) .....	62.36	6.65
21 23 16 00-0185 EA Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240).....	88.24	
21 23 16 00-0186 EA 3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188).....	189.68	
<b>21 23 16 00-0187 Pull Stations/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0188 EA Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074) .....	126.01	13.60
21 23 16 00-0189 EA Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166) .....	135.23	19.09
21 23 16 00-0190 EA Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088).....	33.69	3.57
21 23 16 00-0191 EA Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661) .....	4.59	1.25
<b>21 23 16 00-0192 Asco Gas Valve Control Panels (21 23 16)</b>		
21 23 16 00-0193 EA Relay Control Panel For AC Solenoid Valves (Asco 108D90C).....	2,396.16	212.13
21 23 16 00-0194 EA Relay Control Panel For DC Solenoid Valves (Asco 108D10C) .....	2,478.03	212.13
21 23 16 00-0195 EA Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89).....	812.53	48.21
21 23 16 00-0196 EA Emergency Stop Station For Relay Control Panel (Asco 173A19) .....	759.05	48.21
<b>21 24 Dry-Chemical Fire-Extinguishing Systems (21 20)</b>		
<b>21 24 16 Dry-Chemical Fire-Extinguishing Equipment (21 24)</b>		
<b>21 24 16 00-0001 Amerex KP Restaurant Fire Suppression Systems (21 24 16)</b>		
Note: Amerex or equal.		
21 24 16 00-0002 EA 3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve.....	594.45	74.83
21 24 16 00-0003 EA 6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve.....	831.02	94.33
21 24 16 00-0004 EA Recharge - KP Liquid Agent (3.75 Gallon).....	197.37	
21 24 16 00-0005 EA Recharge - KP Liquid Agent (6 Gallon).....	346.95	
21 24 16 00-0006 EA 3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet .....	138.16	15.71
21 24 16 00-0007 EA 6 Gallon, Bracket Assembly Agent Cylinder .....	80.49	9.11
21 24 16 00-0008 EA 6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit.....	34.90	
21 24 16 00-0009 EA 6 Gallon, Pneumatic Actuator, Agent Cylinder.....	138.16	15.71
21 24 16 00-0010 EA MRM Actuator (Less N2 Cylinder And Enclosure) .....	346.95	39.37
21 24 16 00-0011 EA Painted Steel, MRM Enclosure .....	184.90	20.94
21 24 16 00-0012 EA Stainless Steel, MRM Enclosure.....	226.66	20.94
21 24 16 00-0013 EA Stainless Steel, Single Cylinder System Cabinet.....	550.56	62.50
21 24 16 00-0014 EA N2 - 1/4" x 16" Actuation Hose .....	41.55	4.72
21 24 16 00-0015 EA 10 CU. Inch, Nitrogen Cylinder .....	184.90	20.94
Note: Use For 1-10 Agent Cylinders		
21 24 16 00-0016 EA Vent Check .....	33.25	3.77
21 24 16 00-0017 EA Detector .....	24.92	2.83
Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018 EA 280 To 450 Degree F, Fusible Link.....	9.36	1.05
21 24 16 00-0019 EA Test Link.....	2.85	
21 24 16 00-0020 EA Corner Pulley.....	12.88	1.46
21 24 16 00-0021 EA 1/16", 500 Foot Spool, Cable.....	207.75	23.56
21 24 16 00-0022 EA Pulley Tee.....	93.48	10.57
21 24 16 00-0023 EA Manual Pull Station (Standard).....	83.09	9.42
21 24 16 00-0024 EA Manual Pull Station, Adapter Kit (Recess Standard Pull Station) .....	38.97	4.39
21 24 16 00-0025 EA Manual Pull Station (Oversized) .....	92.65	10.47
21 24 16 00-0026 EA Conduit Offset.....	18.48	2.10
21 24 16 00-0027 EA 3/8" Pipe Thread, Seal (Quick-Seal).....	25.46	2.93
21 24 16 00-0028 EA 1/2" Pipe Thread, Seal (Quick-Seal) .....	20.78	2.41
21 24 16 00-0029 EA 3/8" Pipe Compression Seal .....	34.69	3.98
21 24 16 00-0030 EA 1/2" Pipe Compression Seal .....	34.69	3.98
21 24 16 00-0031 EA Cap, Nozzle Blow-Off (Standard).....	9.44	2.72
21 24 16 00-0032 EA Cap, Nozzle Blow-Off (High Temperature) .....	23.09	2.72
21 24 16 00-0033 EA 2 Flow Points, Fryer/Griddle Nozzle .....	41.55	4.72
21 24 16 00-0034 EA 1 Flow Point Each, Appliance, Plenum Nozzle .....	41.55	4.72
21 24 16 00-0035 EA Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each.....	41.55	4.72
21 24 16 00-0036 EA 1/2 Flow Points Each, Upright Charbroiler Nozzle .....	41.55	4.72

**21 Fire Suppression****21 20 Fire-Extinguishing Systems****21 24 Dry-Chemical Fire-Extinguishing Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

21 24 16 00-0037	EA	2 Flow Points Each, Duct (Only) Nozzle .....	41.55	4.72
21 24 16 00-0038	EA	2 Flow Points Each, Four Burner Range Nozzle.....	59.75	6.80
21 24 16 00-0039	EA	3/4" Or 1" Mechanical Gas Valve.....	333.35	27.74
21 24 16 00-0040	EA	1-1/4" Or 1-1/2" Mechanical Gas Valve .....	390.60	40.30
21 24 16 00-0041	EA	2" Mechanical Gas Valve .....	487.17	47.64
21 24 16 00-0042	EA	Manual Reset Relay (Required With Every Electric Gas Valve) .....	523.53	59.36
21 24 16 00-0043	EA	SPDT Microswitch With 18" Leads .....	27.55	3.14
21 24 16 00-0044	EA	Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve .....	44.46	5.03
21 24 16 00-0045	EA	Gas Valve Trip Assembly.....	93.48	10.57

**21 24 16 00-0046****Range Guard Fire Suppression Systems** (21 24 16)

Note: Range Guard or equal.

21 24 16 00-0047	EA	1-1/4 Gallon Charged Cylinder With Valve .....	630.73	80.89
21 24 16 00-0048	EA	2-1/2 Gallon Charged Cylinder With Valve .....	787.32	100.96
21 24 16 00-0049	EA	4 Gallon Charged Cylinder With Valve.....	972.00	124.67
21 24 16 00-0050	EA	6 Gallon Charged Cylinder With Valve.....	1,154.53	148.01
21 24 16 00-0051	EA	Vent Plug .....	26.49	3.38
21 24 16 00-0052	EA	Discharge Adapter Kit.....	34.13	
21 24 16 00-0053	EA	1-1/4 Gallon Wall Bracket .....	70.21	8.96
21 24 16 00-0054	EA	2-1/2 Gallon Wall Bracket .....	74.30	9.55
21 24 16 00-0055	EA	4 Gallon Wall Bracket .....	140.32	18.03
21 24 16 00-0056	EA	6 Gallon Wall Bracket .....	155.52	19.96
21 24 16 00-0057	EA	Mechanical Control Head, No Microswitch .....	548.65	70.39
21 24 16 00-0058	EA	Mechanical Control Head, 1 Microswitch .....	572.41	73.37
21 24 16 00-0059	EA	Mechanical Control Head, 2 Microswitches .....	656.64	84.17
21 24 16 00-0060	EA	Tandem Control Head.....	498.97	64.03
21 24 16 00-0061	EA	Electric Control Head, 120 Volt AC / 24 Volt DC.....	844.57	108.28
21 24 16 00-0062	EA	Mechanical Control Box.....	375.84	48.21
21 24 16 00-0063	EA	Tandem Control Box.....	375.84	48.21
21 24 16 00-0064	EA	Mechanical Control Box Adapter.....	110.16	14.17
21 24 16 00-0065	EA	A+ Control head With 1 Pressure Operated Actuator .....	331.05	42.42
21 24 16 00-0066	EA	Pressure Operated Actuator .....	136.07	17.45
21 24 16 00-0067	EA	BMCS-1 Nitrogen Cylinder.....	220.32	28.25
21 24 16 00-0068	EA	BMCS-1 Actuator Assembly .....	224.64	28.83
21 24 16 00-0069	EA	BMCS-1 Mounting Bracket .....	55.08	7.04
21 24 16 00-0070	EA	BMCS-7 Nitrogen Cylinder.....	635.73	81.48
21 24 16 00-0071	EA	BMCS-7 Mounting Bracket .....	136.07	17.45
21 24 16 00-0072	EA	BMCS-7 Discharge Adapter Kit.....	136.07	17.45
21 24 16 00-0073	EA	Check Valve.....	112.83	20.73
21 24 16 00-0074	EA	Vent Check For Use With BMCS Systems .....	61.56	7.90
21 24 16 00-0075	EA	Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator .....	26.79	3.44
21 24 16 00-0076	EA	Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly.....	7.04	
21 24 16 00-0077	EA	Pneumatic Control Head For Slave Cylinders.....	140.40	18.03
21 24 16 00-0078	EA	Nozzles; ADP, F, R And GRW .....	64.36	8.30
21 24 16 00-0079	EA	Nozzles; DM And LPF.....	71.71	9.16
21 24 16 00-0080	EA	Swivel Adapter.....	45.36	5.79
21 24 16 00-0081	EA	Corner Pulley .....	19.43	2.51
21 24 16 00-0082	LF	1/16" Stainless Steel Cable.....	0.83	0.29
21 24 16 00-0083	EA	Cable Crimp Sleeve .....	1.01	0.29
21 24 16 00-0084	EA	"S" Hook.....	0.80	0.19
21 24 16 00-0085	EA	Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT .....	66.94	8.58
21 24 16 00-0086	EA	Cable Clamp .....	5.97	0.78
21 24 16 00-0087	EA	Nico Sleeves - 1/16" Cable .....	0.81	0.19
21 24 16 00-0088	EA	3/8" Cable Anchor .....	70.74	9.06
21 24 16 00-0089	EA	1/2" Cable Anchor .....	70.74	9.06
21 24 16 00-0090	EA	Mechanical Remote Manual Release (Pull Cable).....	114.43	14.66
21 24 16 00-0091	EA	Tee Pulley, Use For Mechanical Pull And Gas Valve .....	122.11	15.62
21 24 16 00-0092	EA	Surface Remote Manual Release, End-of-line .....	143.06	18.32
21 24 16 00-0093	EA	Surface Remote Manual Release, In line Conservation Kit .....	44.83	5.79
21 24 16 00-0094	EA	Surface Remote Manual Release, In line And End Of Line .....	187.83	24.00
21 24 16 00-0095	EA	Recessed Remote Manual Release, End-of-line .....	143.06	18.32
21 24 16 00-0096	EA	Recessed Remote Manual Release, In Line Kit.....	170.55	21.89
21 24 16 00-0097	EA	Pulley Tee, Remote In Line Only .....	30.66	3.95
21 24 16 00-0098	EA	Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve.....	34.03	4.34
21 24 16 00-0099	EA	Fusible Link 165F To 360F .....	11.14	1.44
21 24 16 00-0100	EA	Fusible Link 500F.....	17.81	1.44
21 24 16 00-0101	EA	Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves .....	34.03	4.34
21 24 16 00-0102	EA	Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve .....	24.79	4.34
21 24 16 00-0103	EA	Quartzoid Link 400 F.....	183.51	23.53
21 24 16 00-0104	EA	Quartzoid Link 500 F.....	183.51	23.53
21 24 16 00-0105	EA	SPDT Micro Switch For Use With A Plus Control Box .....	65.78	8.39
21 24 16 00-0106	EA	DPDT Micro Switch For Use With A Plus Control Box.....	114.42	14.66
21 24 16 00-0107	EA	SPDT Micro Switch For Use With A Mechanical Control Box .....	68.00	8.68
21 24 16 00-0108	EA	DPDT Micro Switch For Use With A Mechanical Control Box.....	117.86	15.14
21 24 16 00-0109	EA	SPDT Micro Switch For Use With PRCB .....	86.36	11.09
21 24 16 00-0110	EA	DPDT Micro Switch For Use With PRCB.....	124.57	15.91
21 24 16 00-0111	EA	Pressure Switch, SPDT (Fire Dept. Tie In) .....	364.87	46.77
21 24 16 00-0112	EA	Circuit Monitor 12 Or 24 Volt DC.....	164.08	21.02
21 24 16 00-0113	EA	Circuit Monitor 120 Volt AC.....	164.08	21.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0114 EA Electric Manual Pull Station .....	119.83	15.33
21 24 16 00-0115 EA 6", 24 Volt DC, Motor Bell .....	66.93	8.58
21 24 16 00-0116 EA 10", 115 Volt AC Motor Bell .....	95.00	12.15
21 24 16 00-0117 EA Fuse, 1.2 For ECH .....	7.69	0.97
21 24 16 00-0118 EA Indicator Lamp 12 Or 24 Volt DC .....	34.03	4.34
21 24 16 00-0119 EA Indicator Lamp 120 Volt AC .....	34.03	4.34
21 24 16 00-0120 EA B-10 Manual Station Dual Action, SPDT .....	125.22	16.01
21 24 16 00-0121 EA B-11 Manual Station Dual Action, DPDT .....	138.18	17.74
21 24 16 00-0122 EA Break Rods For B10/B11 Manual Pull Station .....	3.49	1.25
21 24 16 00-0123 EA Spare Key For B10/B11 Manual Stations .....	17.28	2.22
21 24 16 00-0124 EA MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill .....	185.66	23.81
21 24 16 00-0125 EA Suppression Abort Station .....	196.47	25.16
21 24 16 00-0126 EA Suppression Abort Station With Surface Mount Back Box .....	228.85	29.31
21 24 16 00-0127 EA Surface Mount Back Box .....	75.56	9.64
21 24 16 00-0128 EA Single Hazard Control Unit, 120 Volt AC IP .....	1,403.31	179.63
21 24 16 00-0129 EA Single Hazard Control Unit, 240 Volt AC IP .....	1,403.31	179.63
21 24 16 00-0130 EA 1 Lead Acid Battery; 24 Volt DC, 1.2 A.H. ....	116.58	14.94
21 24 16 00-0131 EA Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W) .....	4.46	0.68
21 24 16 00-0132 EA Spare Scorpio Circuit Board .....	1,014.65	
21 24 16 00-0133 EA Extra Scorpio Key .....	17.28	
21 24 16 00-0134 EA Extra Scorpio Manual .....	10.79	
21 24 16 00-0135 EA Compression Seal Adapter 3/8" Pipe .....	29.36	3.76
21 24 16 00-0136 EA Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe .....	31.87	4.05
21 24 16 00-0137 EA Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe .....	38.35	4.92
21 24 16 00-0138 EA Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe .....	41.02	5.20
21 24 16 00-0139 EA Quik Seal Adapter 3/8" NPT Female .....	31.87	4.05
21 24 16 00-0140 EA Quik Seal Adapter 1/2" NPT Female .....	31.87	4.05
21 24 16 00-0141 EA Quik Seal Adapter 3/4" NPT Female .....	54.53	7.04
21 24 16 00-0142 EA Quik Seal Adapter 1" NPT Female .....	72.32	9.25
21 24 16 00-0143 EA Quik Patch (Up To 1-1/8" Diameter) .....	31.87	4.05
21 24 16 00-0144 EA 1-1/4 Gallon Karbaloy Charge .....	70.95	
21 24 16 00-0145 EA 2-1/2 Gallon Karbaloy Charge .....	121.97	
21 24 16 00-0146 EA 4 Gallon Karbaloy Charge .....	184.36	
21 24 16 00-0147 EA 6 Gallon Karbaloy Charge .....	269.77	
21 24 16 00-0148 EA Inlet Flushing Adapter .....	52.89	6.74
21 24 16 00-0149 EA 1/2" Flushing Adapter (Outlet) .....	52.89	6.74
21 24 16 00-0150 EA 1/8" Flushing Adapter (Outlet) .....	52.89	6.74
21 24 16 00-0151 EA 1/4" Flushing Adapter (Outlet) .....	52.89	6.74
21 24 16 00-0152 EA 3/8" Flushing Adapter (Outlet) .....	52.89	6.74
21 24 16 00-0153 EA Recharge Adapter (Old Style Cylinder Valve Assembly Only) .....	73.40	
21 24 16 00-0154 EA Instruction Label (In Case Of Fire) - MCB .....	5.84	
21 24 16 00-0155 EA Caution Sign (Turn On Fan) .....	7.04	
21 24 16 00-0156 EA Inspection Label (Authorized installers only) .....	4.87	
21 24 16 00-0157 EA Label, Warning, A+ Control Box .....	3.43	
21 24 16 00-0158 EA Wet Chemical System Kits, RG-1.25G Kit; #23315 .....	928.29	118.89
21 24 16 00-0159 EA Wet Chemical System Kits, RG-2.5G Kit; #23316 .....	1,083.75	138.75
21 24 16 00-0160 EA Wet Chemical System Kits, RG-4GS Kit; #23317 .....	1,349.31	172.79
21 24 16 00-0161 EA Wet Chemical System Kits, RG-4GT Kit; #23318 .....	1,349.31	172.79
21 24 16 00-0162 EA Wet Chemical System Kits, RG-6G Kit; #23319 .....	1,696.88	217.24
21 24 16 00-0163 EA Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320 .....	804.18	102.97
21 24 16 00-0164 EA Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321 .....	755.61	96.71
21 24 16 00-0165 EA Wet Chemical System Kits, A Plus Control Box Kit; #23322 .....	610.96	78.19
21 24 16 00-0166 EA Wet Chemical System Kits, Valve Rebuild Kit; #23210 .....	1,057.83	135.48
21 24 16 00-0167 EA Wet Chemical System Kits, BMCS-1 Package; #23208 .....	969.32	124.09

## 21 30 Fire Pumps <sup>(21)</sup>

### 21 31 Centrifugal Fire Pumps <sup>(21 30)</sup>

#### 21 31 13 Electric-Drive, Centrifugal Fire Pumps <sup>(21 31)</sup>

##### 21 31 13 00-0001 Electric-Drive Fire Pumps <sup>(21 31 13)</sup>

Note: Includes fire pump, motor, motor starter, alarm panel, automatic transfer switch, and controller.

21 31 13 00-0002 EA 20 HP Electric Fire Pump .....	57,309.30	1,718.74
For Duplex Pumping System, Add	55,590.57	
21 31 13 00-0003 EA 30 HP Electric Fire Pump .....	66,989.65	1,933.57
For Duplex Pumping System, Add	65,199.31	
21 31 13 00-0004 EA 40 HP Electric Fire Pump .....	91,616.94	2,148.42
For Duplex Pumping System, Add	89,627.67	
21 31 13 00-0005 EA 50 HP Electric Fire Pump .....	113,080.75	2,410.78
For Duplex Pumping System, Add	110,669.98	
21 31 13 00-0006 EA 75 HP Electric Fire Pump .....	126,278.20	2,629.94
For Duplex Pumping System, Add	123,648.26	

#### 21 31 16 Diesel-Drive, Centrifugal Fire Pumps <sup>(21 31)</sup>

##### 21 31 16 00-0001 Diesel-Drive Fire Pumps <sup>(21 31 16)</sup>

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump, motor, motor starter, alarm panel, and controller.

21 31 16 00-0002 EA 30 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	84,770.29	1,972.46
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<b>21</b>	<b>21</b>	<b>Fire Suppression</b>
	<b>21 30</b>	<b>Fire Pumps</b>
	<b>21 31</b>	<b>Centrifugal Fire Pumps</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 31 16 00-0003 EA 40 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	95,923.93	2,191.61
21 31 16 00-0004 EA 50 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	100,706.87	2,410.78
21 31 16 00-0005 EA 75 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	114,688.33	2,629.94
21 31 16 00-0006 EA 150 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	121,524.01	3,068.26
21 31 16 00-0007 EA 175 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	130,319.67	3,944.92
21 31 16 00-0008 EA 200 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	141,380.75	4,383.24
21 31 16 00-0009 EA 250 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	161,676.86	4,996.89
21 31 16 00-0010 EA 300 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	194,102.60	5,391.38
21 31 16 00-0011 EA 350 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	227,879.42	6,136.53
21 31 16 00-0012 EA 400 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	271,010.80	6,574.85
21 31 16 00-0013 EA 500 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	305,474.40	7,013.17

**21 34 Fire Pump Accessories** (21 30)

**21 34 13 Pressure Maintenance Pumps** (21 34)

**21 34 13 00-0001 Jockey Pumps** (21 34 13)

Note: Includes pump and controller.

21 34 13 00-0002 EA Up To 3 HP, 1" Pipe Connection, Jockey Pump And Controller .....	5,788.46	438.32
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**END OF SECTION 21**





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

### 22 01 Operation and Maintenance of Plumbing<sup>(22)</sup>

#### 22 01 10 Operation and Maintenance of Plumbing Piping and Pumps<sup>(22 01)</sup>

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

##### 22 01 10 61 Plumbing Piping Repairs<sup>(22 01 10)</sup>

##### 22 01 10 61-0001 Pipe Repair Clamps<sup>(22 01 10 61)</sup>

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	42.42
		Note: Includes neoprene gasket	
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	44.01
		Note: Includes neoprene gasket	
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	48.37
		Note: Includes neoprene gasket	
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	51.52
		Note: Includes neoprene gasket	
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	55.68
		Note: Includes neoprene gasket	
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	70.88
		Note: Includes neoprene gasket	
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	89.48
		Note: Includes neoprene gasket	
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	103.45
		Note: Includes neoprene gasket	
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	118.43
		Note: Includes neoprene gasket	
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	67.45
		Note: Includes neoprene gasket	
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	70.93
		Note: Includes neoprene gasket	
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	78.51
		Note: Includes neoprene gasket	
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	86.29
		Note: Includes neoprene gasket	
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	95.02
		Note: Includes neoprene gasket	
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	122.61
		Note: Includes neoprene gasket	
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	147.62
		Note: Includes neoprene gasket	
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	167.32
		Note: Includes neoprene gasket	
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	189.46
		Note: Includes neoprene gasket	
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	96.29
		Note: Includes Buna rubber gasket	
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	99.94
		Note: Includes Buna rubber gasket	
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	110.42
		Note: Includes Buna rubber gasket	
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	121.09
		Note: Includes Buna rubber gasket	
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	136.70
		Note: Includes Buna rubber gasket	
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	166.71
		Note: Includes Buna rubber gasket	
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	194.09
		Note: Includes Buna rubber gasket	
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	233.46
		Note: Includes Buna rubber gasket	
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	288.30
		Note: Includes Buna rubber gasket	
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	295.29
		Note: Includes Buna rubber gasket	
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	316.67
		Note: Includes Buna rubber gasket	

#### 22 01 40 Operation and Maintenance of Plumbing Fixtures<sup>(22 01)</sup>

##### 22 01 40 81 Plumbing Fixtures Replacement<sup>(22 01 40)</sup>

##### 22 01 40 81-0001 Removal And Replacement Of Fixture And/Or Trim<sup>(22 01 40 81)</sup>

Note: Includes removal of existing item(s) and installation of new item(s).

22 01 40 81-0002	EA	Removal And Replacement Of 3/8" To 1/2" Compression Shut-off Valve With 15" Polybutylene Supply Tube	54.85
22 01 40 81-0003	EA	Removal And Replacement Of 3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory	18.57
22 01 40 81-0004	EA	Removal And Replacement Of Chrome Supply Lines To Sink/Lavatory, Pair	26.82

**22 Plumbing****22 01 Operation and Maintenance of Plumbing****22 01 40 Operation and Maintenance of Plumbing Fixtures**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 01 40 81-0005	EA	Removal And Replacement Of Single Bowl Sink/Lavatory Drain Line.....	37.29	
22 01 40 81-0006	EA	Removal And Replacement Of Double Bowl Sink/Lavatory Drain Line.....	58.07	
22 01 40 81-0007	EA	Removal And Replacement Of Shower Head, Polished Chrome .....	38.74	
22 01 40 81-0008	EA	Removal And Replacement Of Shower Arm.....	37.44	
22 01 40 81-0009	EA	Removal And Replacement Of Shower Head.....	44.38	
22 01 40 81-0010	EA	Removal And Replacement Of Shower Knob.....	34.76	
22 01 40 81-0011	EA	Removal And Replacement Of Shower and Tub Control Trim.....	109.31	
		Note: Excludes balancing valve.		
22 01 40 81-0012	EA	Removal And Replacement Of Sink Basket Strainer .....	31.04	
22 01 40 81-0013	EA	Removal And Replacement Of 1-1/2" Sink Drain Without Stopper.....	16.22	
22 01 40 81-0014	EA	Removal And Replacement Of 4-1/2" Sink Drain Without Stopper.....	17.08	
22 01 40 81-0015	EA	Removal And Replacement Of 1-1/2" Sink Drain With Stopper.....	16.22	
22 01 40 81-0016	EA	Removal And Replacement Of 1" Sink Rubber Stopper .....	8.56	
22 01 40 81-0017	EA	Removal And Replacement Of Sink Tailpiece Extension, 1-1/2" x 8".....	24.56	
22 01 40 81-0018	EA	Removal And Replacement Of Sink Trap, Adjustable, 1-1/2".....	42.11	
22 01 40 81-0019	EA	Removal And Replacement Of Lavatory Pop-Up Rod .....	28.64	
22 01 40 81-0020	EA	Removal And Replacement Of Lavatory Pop-up Drain Stopper.....	28.82	
22 01 40 81-0021	EA	Removal And Replacement Of Faucet Handle .....	32.47	
22 01 40 81-0022	EA	Removal And Replacement Of Faucet O-Ring .....	24.40	
22 01 40 81-0023	EA	Removal And Replacement Of 1-1/2" Faucet Hole Cover .....	19.21	
22 01 40 81-0024	EA	Removal And Replacement Of Toilet Ballcock .....	35.43	
22 01 40 81-0025	EA	Removal And Replacement Of Toilet Bowl Ring, Flat Wax.....	6.75	
		Note: Excludes removal of toilet.		
22 01 40 81-0026	EA	Removal And Replacement Of Toilet Tank.....	142.52	
22 01 40 81-0027	EA	Removal And Replacement Of 10" Toilet Bowl.....	176.60	
22 01 40 81-0028	EA	Removal And Replacement Of 10", Low-Flush Watersaver, Toilet Bowl.....	190.70	
22 01 40 81-0029	EA	Removal And Replacement Of 12" Toilet Bowl.....	204.31	
22 01 40 81-0030	EA	Removal And Replacement Of 18", Elongated, Toilet Bowl.....	181.34	
22 01 40 81-0031	EA	Removal And Replacement Of Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers .....	21.50	
22 01 40 81-0032	EA	Removal And Replacement Of Toilet Flapper With Chain .....	16.39	
22 01 40 81-0033	EA	Removal And Replacement Of Toilet Flush Tank Lever .....	17.51	
22 01 40 81-0034	EA	Removal And Replacement Of Toilet Tank Arm Lever .....	11.30	
22 01 40 81-0035	EA	Removal And Replacement Of Elongated Toilet Seat With Lid .....	95.72	
22 01 40 81-0036	EA	Removal And Replacement Of Elongated Toilet Seat Without Lid.....	93.99	
22 01 40 81-0037	EA	Removal And Replacement Of Handicap Toilet Seat, Complete With Rails.....	140.56	
22 01 40 81-0038	EA	Removal And Replacement Of Diverter Tub Spout.....	54.97	
22 01 40 81-0039	EA	Removal And Replacement Of Tub Spout.....	38.64	
22 01 40 81-0040	EA	Removal And Replacement Of 2" Tub Stopper.....	9.88	
22 01 40 81-0041	EA	Removal And Replacement Of Tub Waste/Overflow .....	68.89	
22 01 40 81-0042	EA	Removal And Replacement Of Tub Stem Bonnet Assembly .....	34.78	
22 01 40 81-0043	EA	Removal And Replacement Of Faucet Bonnet .....	38.62	
22 01 40 81-0044	EA	Removal And Replacement Of Faucet Diverter Stem.....	24.13	
22 01 40 81-0045	EA	Removal And Replacement Of Faucet Diverter Stem And Bonnet.....	32.16	
22 01 40 81-0046	EA	Removal And Replacement Of Faucet Spout .....	36.81	
22 01 40 81-0047	EA	Removal And Replacement Of Faucet Stem .....	26.92	
22 01 40 81-0048	EA	Removal And Replacement Of Plastic, Chrome Plated Drinking Fountain Bubbler Valve With Flexible Bubbler Guard.....	194.17	
22 01 40 81-0049	EA	Removal And Replacement Of Brass, Chrome Plated Drinking Fountain Bubbler Valve .....	244.19	
22 01 40 81-0050	EA	Removal And Replacement Of Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve.....	148.19	

**22 05 Common Work Results for Plumbing** <sup>(22)</sup>**22 05 13 Common Motor Requirements for Plumbing Equipment** <sup>(22 05)</sup>

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

**22 05 16 Expansion Fittings and Loops for Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

**22 05 17 Sleeves and Sleeve Seals for Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

**22 05 19 Meters and Gages for Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

**22 05 23 General-Duty Valves for Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 05 23 00-0000 for additional valves.

**22 05 23 00-0001 Gate Valves** <sup>(22 05 23)</sup>**22 05 23 00-0002 Class 125 Brazed Or Soldered Bronze Gate Valves** <sup>(22 05 23 00-0001)</sup>

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)

22 05 23 00-0003	EA	1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	78.95	10.47
		For 150 LB Rating, Add	4.85	
		For 200 LB Rating, Add	7.27	
		For Work In Restricted Working Space, Add	9.15	
22 05 23 00-0004	EA	3/8" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	80.55	10.47
		For 150 LB Rating, Add	4.85	
		For 200 LB Rating, Add	7.27	
		For Work In Restricted Working Space, Add	9.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0005 EA 1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	82.53	10.47
<i>For 150 LB Rating, Add</i>	4.88	
<i>For 200 LB Rating, Add</i>	7.31	
<i>For Work In Restricted Working Space, Add</i>	10.13	
22 05 23 00-0006 EA 3/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	97.91	11.52
<i>For 150 LB Rating, Add</i>	5.24	
<i>For 200 LB Rating, Add</i>	7.86	
<i>For Work In Restricted Working Space, Add</i>	13.66	
22 05 23 00-0007 EA 1" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	119.28	13.09
<i>For 150 LB Rating, Add</i>	6.42	
<i>For 200 LB Rating, Add</i>	9.63	
<i>For Work In Restricted Working Space, Add</i>	16.53	
22 05 23 00-0008 EA 1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	174.58	13.93
<i>For 150 LB Rating, Add</i>	10.48	
<i>For 200 LB Rating, Add</i>	15.72	
<i>For Work In Restricted Working Space, Add</i>	20.94	
22 05 23 00-0009 EA 1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	194.42	16.12
<i>For 150 LB Rating, Add</i>	11.39	
<i>For 200 LB Rating, Add</i>	17.08	
<i>For Work In Restricted Working Space, Add</i>	24.16	
22 05 23 00-0010 EA 2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	233.15	19.05
<i>For 150 LB Rating, Add</i>	13.80	
<i>For 200 LB Rating, Add</i>	20.70	
<i>For Work In Restricted Working Space, Add</i>	28.55	
22 05 23 00-0011 EA 2-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	528.76	25.75
<i>For 150 LB Rating, Add</i>	40.02	
<i>For 200 LB Rating, Add</i>	60.03	
<i>For Work In Restricted Working Space, Add</i>	38.57	
<i>For Chain Operated Type, Add</i>	180.09	
22 05 23 00-0012 EA 3" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	620.59	29.89
<i>For 150 LB Rating, Add</i>	47.23	
<i>For 200 LB Rating, Add</i>	70.84	
<i>For Work In Restricted Working Space, Add</i>	44.50	
<b>22 05 23 00-0013 Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves</b> <small>(22 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, Nibco T113-LF)		
22 05 23 00-0014 EA 1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve .....	95.10	10.47
<i>For 150 LB Rating, Add</i>	6.46	
<i>For 200 LB Rating, Add</i>	9.69	
<i>For Work In Restricted Working Space, Add</i>	9.15	
22 05 23 00-0015 EA 3/8" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve .....	96.56	10.47
<i>For 150 LB Rating, Add</i>	6.45	
<i>For 200 LB Rating, Add</i>	9.67	
<i>For Work In Restricted Working Space, Add</i>	9.63	
22 05 23 00-0016 EA 1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve .....	112.37	10.47
<i>For 150 LB Rating, Add</i>	7.86	
<i>For 200 LB Rating, Add</i>	11.79	
<i>For Work In Restricted Working Space, Add</i>	10.13	
22 05 23 00-0017 EA 3/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve .....	127.75	11.52
<i>For 150 LB Rating, Add</i>	8.22	
<i>For 200 LB Rating, Add</i>	12.33	
<i>For Work In Restricted Working Space, Add</i>	13.66	
22 05 23 00-0018 EA 1" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve .....	153.33	13.09
<i>For 150 LB Rating, Add</i>	9.82	
<i>For 200 LB Rating, Add</i>	14.73	
<i>For Work In Restricted Working Space, Add</i>	16.53	
22 05 23 00-0019 EA 1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve .....	221.15	13.93
<i>For 150 LB Rating, Add</i>	15.14	
<i>For 200 LB Rating, Add</i>	22.70	
<i>For Work In Restricted Working Space, Add</i>	20.94	
22 05 23 00-0020 EA 1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve .....	253.00	16.12
<i>For 150 LB Rating, Add</i>	17.25	
<i>For 200 LB Rating, Add</i>	25.87	
<i>For Work In Restricted Working Space, Add</i>	24.16	
22 05 23 00-0021 EA 2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve .....	323.66	19.05
<i>For 150 LB Rating, Add</i>	22.85	
<i>For 200 LB Rating, Add</i>	34.27	
<i>For Work In Restricted Working Space, Add</i>	28.55	
<b>22 05 23 00-0022 200 PSI, Non Rising Stem, Crimped Bronze Gate Valves</b> <small>(22 05 23 00-0001)</small>		
Note: 200 psi cold working pressure.		
22 05 23 00-0023 EA 1/2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	115.30	10.47
<i>For Work In Restricted Working Space, Add</i>	7.07	
22 05 23 00-0024 EA 3/4" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	129.84	11.52
<i>For Work In Restricted Working Space, Add</i>	8.05	
22 05 23 00-0025 EA 1" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	170.78	13.09
<i>For Work In Restricted Working Space, Add</i>	9.62	
22 05 23 00-0026 EA 1-1/4" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	233.25	13.93
<i>For Work In Restricted Working Space, Add</i>	10.60	
22 05 23 00-0027 EA 1-1/2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	270.47	16.12
<i>For Work In Restricted Working Space, Add</i>	11.78	
22 05 23 00-0028 EA 2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	372.62	19.05
<i>For Work In Restricted Working Space, Add</i>	14.14	

**22 Plumbing****22 05 Common Work Results for Plumbing****22 05 23 General-Duty Valves for Plumbing Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0029			<b>Ball Valves</b> (22 05 23)		
22 05 23 00-0030			<b>Crimped Bronze, Ball Valves</b> (22 05 23 00-0029)		
22 05 23 00-0031			<b>Crimped Bronze, 250 PSI, Ball Valves</b> (22 05 23 00-0030) Note: Nibco®		
22 05 23 00-0032	EA		1/2" Crimped Bronze, 250 PSI, Ball Valve .....78.97	78.97	10.47
			<i>For Work In Restricted Working Space, Add</i> .....7.07		
22 05 23 00-0033	EA		3/4" Crimped Bronze, 250 PSI, Ball Valve .....102.34	102.34	11.52
			<i>For Work In Restricted Working Space, Add</i> .....8.05		
22 05 23 00-0034	EA		1" Crimped Bronze, 250 PSI, Ball Valve .....131.45	131.45	13.09
			<i>For Work In Restricted Working Space, Add</i> .....9.62		
22 05 23 00-0035	EA		1-1/4" Crimped Bronze, 250 PSI, Ball Valve .....213.10	213.10	13.93
			<i>For Work In Restricted Working Space, Add</i> .....10.60		
22 05 23 00-0036	EA		1-1/2" Crimped Bronze, 250 PSI, Ball Valve .....281.98	281.98	16.12
			<i>For Work In Restricted Working Space, Add</i> .....11.78		
22 05 23 00-0037	EA		2" Crimped Bronze, 250 PSI, Ball Valve .....425.53	425.53	19.05
			<i>For Work In Restricted Working Space, Add</i> .....14.14		
22 05 23 00-0038			<b>Crimped Bronze, 200 PSI, Full Port Ball Valves</b> (22 05 23 00-0030)		
22 05 23 00-0039	EA		1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve .....49.45	49.45	10.47
			<i>For Work In Restricted Working Space, Add</i> .....7.07		
22 05 23 00-0040	EA		3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve .....63.22	63.22	11.52
			<i>For Work In Restricted Working Space, Add</i> .....8.05		
22 05 23 00-0041	EA		1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve .....76.85	76.85	13.09
			<i>For Work In Restricted Working Space, Add</i> .....9.62		
22 05 23 00-0042	EA		1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve .....108.12	108.12	13.93
			<i>For Work In Restricted Working Space, Add</i> .....10.60		
22 05 23 00-0043	EA		1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve .....140.03	140.03	16.12
			<i>For Work In Restricted Working Space, Add</i> .....11.78		
22 05 23 00-0044	EA		2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve .....208.08	208.08	19.05
			<i>For Work In Restricted Working Space, Add</i> .....14.14		
22 05 23 00-0045			<b>Crimped Bronze, 250 PSI, Full Port Ball Valves</b> (22 05 23 00-0030)		
22 05 23 00-0046	EA		1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve .....57.15	57.15	10.47
			<i>For Work In Restricted Working Space, Add</i> .....7.07		
22 05 23 00-0047	EA		3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve .....68.82	68.82	11.52
			<i>For Work In Restricted Working Space, Add</i> .....8.05		
22 05 23 00-0048	EA		1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve .....85.81	85.81	13.09
			<i>For Work In Restricted Working Space, Add</i> .....9.62		
22 05 23 00-0049	EA		1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve .....136.11	136.11	13.93
			<i>For Work In Restricted Working Space, Add</i> .....10.60		
22 05 23 00-0050	EA		1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve .....200.22	200.22	16.12
			<i>For Work In Restricted Working Space, Add</i> .....11.78		
22 05 23 00-0051	EA		2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve .....278.05	278.05	19.05
			<i>For Work In Restricted Working Space, Add</i> .....14.14		
22 05 23 00-0052			<b>Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves</b> (22 05 23 00-0030)		
22 05 23 00-0053	EA		1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve .....55.05	55.05	10.47
			<i>For Work In Restricted Working Space, Add</i> .....7.07		
22 05 23 00-0054	EA		3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve .....66.86	66.86	11.52
			<i>For Work In Restricted Working Space, Add</i> .....8.05		
22 05 23 00-0055	EA		1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve .....81.32	81.32	13.09
			<i>For Work In Restricted Working Space, Add</i> .....9.62		
22 05 23 00-0056			<b>Check Valves</b> (22 05 23)		
22 05 23 00-0057			<b>Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves</b> (22 05 23 00-0056) Note: Nibco®		
22 05 23 00-0058	EA		1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....151.60	151.60	10.47
			<i>For Work In Restricted Working Space, Add</i> .....7.07		
22 05 23 00-0059	EA		3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....193.11	193.11	11.52
			<i>For Work In Restricted Working Space, Add</i> .....8.05		
22 05 23 00-0060	EA		1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....267.14	267.14	13.09
			<i>For Work In Restricted Working Space, Add</i> .....9.62		
22 05 23 00-0061	EA		1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....356.41	356.41	13.93
			<i>For Work In Restricted Working Space, Add</i> .....10.60		
22 05 23 00-0062	EA		1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....425.32	425.32	16.12
			<i>For Work In Restricted Working Space, Add</i> .....11.78		
22 05 23 00-0063	EA		2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....609.01	609.01	19.05
			<i>For Work In Restricted Working Space, Add</i> .....14.14		
22 05 23 00-0064			<b>Crimped Bronze, 250 PSI, In-Line, Check Valves</b> (22 05 23 00-0056)		
22 05 23 00-0065	EA		1/2" Crimped Bronze, 200 PSI, In-Line Check Valve .....43.54	43.54	10.47
			<i>For Work In Restricted Working Space, Add</i> .....7.07		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0066 EA 3/4" Crimped Bronze, 200 PSI, In-Line Check Valve.....	52.40	11.52
<i>For Work In Restricted Working Space, Add</i>	8.05	
22 05 23 00-0067 EA 1" Crimped Bronze, 200 PSI, In-Line Check Valve.....	61.53	13.09
<i>For Work In Restricted Working Space, Add</i>	9.62	
22 05 23 00-0068 EA 1-1/4" Crimped Bronze, 200 PSI, In-Line Check Valve.....	77.96	13.93
<i>For Work In Restricted Working Space, Add</i>	10.60	
22 05 23 00-0069 EA 1-1/2" Crimped Bronze, 200 PSI, In-Line Check Valve.....	99.76	16.12
<i>For Work In Restricted Working Space, Add</i>	11.78	
22 05 23 00-0070 EA 2" Crimped Bronze, 200 PSI, In-Line Check Valve.....	157.23	19.05
<i>For Work In Restricted Working Space, Add</i>	14.14	
<b>22 05 23 00-0071 Butterfly Valves (22 05 23)</b>		
<b>22 05 23 00-0072 Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve (22 05 23 00-0071)</b>		
22 05 23 00-0073 EA 2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	1,136.94	27.95
<i>For Work In Restricted Working Space, Add</i>	16.49	
22 05 23 00-0074 EA 3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	1,230.65	32.46
<i>For Work In Restricted Working Space, Add</i>	19.63	
22 05 23 00-0075 EA 4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	1,538.25	36.65
<i>For Work In Restricted Working Space, Add</i>	25.91	
<b>22 05 29 Hangers and Supports for Plumbing Piping and Equipment (22 05)</b>		
See CSI section 23 05 29 00-0000 for hangers and supports.		
<b>22 05 33 Heat Tracing for Plumbing Piping (22 05)</b>		
See CSI section 23 83 13 00-0000 for heat tracing cables.		
<b>22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment (22 05)</b>		
<b>22 05 48 13 Vibration Controls for Plumbing Piping and Equipment (22 05 48)</b>		
See CSI section 23 05 48 13-0000 for vibration and seismic control.		
<b>22 05 53 Identification for Plumbing Piping and Equipment (22 05)</b>		
See CSI section 23 05 53 00-0000 for identification.		
<b>22 05 76 Facility Drainage Piping Cleanouts (22 05)</b>		
<b>22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover (22 05 76)</b>		
Note: For floor installation.		
<b>22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover (22 05 76 00-0001)</b>		
22 05 76 00-0003 EA 2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	662.96	55.70
<i>For Satin Bronze Top, Deduct</i>	-24.00	
<i>For Vandal Proof, Add</i>	19.50	
<i>For Galvanized Ferrule, Add</i>	45.00	
<i>For Carpet Marker, Add</i>	16.00	
<i>For Carpet Flange, Add</i>	58.50	
<i>For Wide Flange, Add</i>	97.00	
22 05 76 00-0004 EA 3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	714.10	69.83
<i>For Satin Bronze Top, Deduct</i>	-24.00	
<i>For Vandal Proof, Add</i>	19.50	
<i>For Galvanized Ferrule, Add</i>	45.00	
<i>For Carpet Marker, Add</i>	16.00	
<i>For Carpet Flange, Add</i>	58.50	
<i>For Wide Flange, Add</i>	97.00	
22 05 76 00-0005 EA 4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	892.31	84.39
<i>For Satin Bronze Top, Deduct</i>	-24.00	
<i>For Vandal Proof, Add</i>	19.50	
<i>For Galvanized Ferrule, Add</i>	45.00	
<i>For Carpet Marker, Add</i>	16.00	
<i>For Carpet Flange, Add</i>	58.50	
<i>For Wide Flange, Add</i>	97.00	
22 05 76 00-0006 EA 5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,287.05	94.43
<i>For Satin Bronze Top, Deduct</i>	-24.00	
<i>For Vandal Proof, Add</i>	19.50	
<i>For Galvanized Ferrule, Add</i>	45.00	
<i>For Carpet Marker, Add</i>	16.00	
<i>For Carpet Flange, Add</i>	58.50	
<i>For Wide Flange, Add</i>	97.00	
22 05 76 00-0007 EA 6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,587.57	102.29
<i>For Satin Bronze Top, Deduct</i>	-24.00	
<i>For Vandal Proof, Add</i>	19.50	
<i>For Galvanized Ferrule, Add</i>	45.00	
<i>For Carpet Marker, Add</i>	16.00	
<i>For Carpet Flange, Add</i>	58.50	
<i>For Wide Flange, Add</i>	97.00	
<b>22 05 76 00-0008 Cast Iron Heavy Duty Cleanout With Plug And Round Cover (22 05 76 00-0001)</b>		

**22 Plumbing****22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0009 EA 2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	766.08	55.70
For Satin Bronze Top, Deduct	-24.00	
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
22 05 76 00-0010 EA 3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	818.78	69.73
For Satin Bronze Top, Deduct	-24.00	
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
22 05 76 00-0011 EA 4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	997.06	84.39
For Satin Bronze Top, Deduct	-24.00	
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
22 05 76 00-0012 EA 5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,391.85	94.43
For Satin Bronze Top, Deduct	-24.00	
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
22 05 76 00-0013 EA 6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,692.29	102.29
For Satin Bronze Top, Deduct	-24.00	
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
<b>22 05 76 00-0014 Wall Cover For Cleanout (22 05 76)</b>		
Note: Cover and screw only.		
<b>22 05 76 00-0015 Round Access Cover, Bronze Polished Top (22 05 76 00-0014)</b>		
Note: Cover and screw only.		
22 05 76 00-0016 EA 4-1/4" Diameter Wall Cover For Cleanout, Screwed.....	97.10	17.48
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0017 EA 5-1/2" Diameter Wall Cover For Cleanout, Screwed.....	104.08	20.94
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0018 EA 7" Diameter Wall Cover For Cleanout, Screwed.....	133.87	23.56
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0019 EA 9-1/4" Diameter Wall Cover For Cleanout, Screwed.....	230.75	26.18
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0020 EA 11-1/4" Diameter Wall Cover For Cleanout, Screwed.....	350.57	28.79
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
<b>22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)</b>		
Note: Cover and screw only.		
22 05 76 00-0022 EA 7" x 7" Bronze Wall Or Floor Access Cover.....	533.59	17.48
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0023 EA 9" x 9" Bronze Wall Or Floor Access Cover.....	770.83	18.32
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0024 EA 10" x 10" Bronze Wall Or Floor Access Cover.....	823.71	19.37
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0025 EA 14" x 14" Bronze Wall Or Floor Access Cover.....	921.29	21.99
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
<b>22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)</b>		
Note: Cover and screw only.		
22 05 76 00-0027 EA 6" x 6" Bronze Secured Wall Access Panel.....	543.34	17.48
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0028 EA 8" x 8" Bronze Secured Wall Access Panel.....	785.19	18.32
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0029 EA 10" x 10" Bronze Secured Wall Access Panel.....	839.06	19.37
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0030 EA 12" x 12" Bronze Secured Wall Access Panel ..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	938.45 19.50 22.50	21.99
<b>22 05 76 00-0031 Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated</b> (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0032 EA 6" x 6" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	526.87 19.50 22.50	17.48
22 05 76 00-0033 EA 8" x 8" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	731.05 19.50 22.50	18.32
22 05 76 00-0034 EA 10" x 10" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	1,039.14 19.50 22.50	19.37
22 05 76 00-0035 EA 12" x 12" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	1,258.58 19.50 22.50	21.99
<b>22 05 76 00-0036 Cast Iron Cleanout Tee</b> (22 05 76)		
<b>22 05 76 00-0037 Cast Iron Cleanout Tee And Round Access Cover</b> (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0038 EA 2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	477.52 88.80 19.50	55.70
22 05 76 00-0039 EA 3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	543.85 88.80 19.50	69.73
22 05 76 00-0040 EA 4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	712.01 88.80 19.50	84.39
22 05 76 00-0041 EA 6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	1,729.78 88.80 19.50	102.29
<b>22 05 76 00-0042 Cast Iron Cleanout Tee And Square Access Cover</b> (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0043 EA 2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	843.66 88.80 19.50	55.70
22 05 76 00-0044 EA 3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	909.99 88.80 19.50	69.73
22 05 76 00-0045 EA 4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	1,053.85 88.80 19.50	84.39
22 05 76 00-0046 EA 6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	2,224.33 88.80 19.50	102.29
<b>22 05 76 00-0047 Cast Iron Cleanout Tee With Brass Plug</b> (22 05 76 00-0036)		
22 05 76 00-0048 EA 2" Cleanout Tee With Cast Bronze Screw Plug .....	391.34	45.54
22 05 76 00-0049 EA 3" Cleanout Tee With Cast Bronze Screw Plug .....	437.89	49.74
22 05 76 00-0050 EA 4" Cleanout Tee With Cast Bronze Screw Plug .....	583.85	65.44
22 05 76 00-0051 EA 5" Cleanout Tee With Cast Bronze Screw Plug .....	883.89	77.48
22 05 76 00-0052 EA 6" Cleanout Tee With Cast Bronze Screw Plug .....	1,519.60	91.61
<b>22 05 76 00-0053 Removable Cleanout Plug</b> (22 05 76)		
<b>22 05 76 00-0054 Threaded Bronze Plugs</b> (22 05 76 00-0053)		
22 05 76 00-0055 EA 1-1/4", 1-1/2" Or 2" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	77.74 9.50	13.09
22 05 76 00-0056 EA 2-1/2" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	93.88 9.50	14.24
22 05 76 00-0057 EA 3" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	164.82 9.50	15.71
22 05 76 00-0058 EA 3-1/2" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	184.11 9.50	18.32
22 05 76 00-0059 EA 4" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	208.07 9.50	20.94
22 05 76 00-0060 EA 5" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	295.19 9.50	23.56
22 05 76 00-0061 EA 6" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	438.47 9.50	26.18
22 05 76 00-0062 EA 8" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	747.76 9.50	28.79

**22 Plumbing****22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0063	EA		10" Threaded Bronze Plug..... For Plug Tapped For Center Screw, Add	1,080.52 9.50	31.41
<b>22 05 76 00-0064</b>			<b>Threaded Brass Plugs (22 05 76 00-0063)</b>		
22 05 76 00-0065	EA		1-1/2" Threaded Brass Plug, Raised Head..... For Plug Tapped For Center Screw, Add	29.51 9.50	13.09
22 05 76 00-0066	EA		2" Threaded Brass Plug, Raised Head..... For Plug Tapped For Center Screw, Add	30.08 9.50	13.09
22 05 76 00-0067	EA		2-1/2" Threaded Brass Plug, Raised Head..... For Plug Tapped For Center Screw, Add	32.83 9.50	14.24
22 05 76 00-0068	EA		3" Threaded Brass Plug, Raised Head..... For Plug Tapped For Center Screw, Add	37.24 9.50	15.70
22 05 76 00-0069	EA		3-1/2" Threaded Brass Plug, Raised Head..... For Plug Tapped For Center Screw, Add	44.05 9.50	18.32
22 05 76 00-0070	EA		4" Threaded Brass Plug, Raised Head..... For Plug Tapped For Center Screw, Add	51.90 9.50	20.94
22 05 76 00-0071	EA		4-1/2" Threaded Brass Plug, Raised Head..... For Plug Tapped For Center Screw, Add	55.81 9.50	22.05
22 05 76 00-0072	EA		5" Threaded Brass Plug, Raised Head..... For Plug Tapped For Center Screw, Add	60.09 9.50	23.56
22 05 76 00-0073	EA		6" Threaded Brass Plug, Raised Head..... For Plug Tapped For Center Screw, Add	79.35 9.50	26.17
22 05 76 00-0074	EA		1-1/2" Threaded Brass Plug, Countersunk Head..... For Plug Tapped For Center Screw, Add	29.05 9.50	13.09
22 05 76 00-0075	EA		2" Threaded Brass Plug, Countersunk Head..... For Plug Tapped For Center Screw, Add	29.69 9.50	13.09
22 05 76 00-0076	EA		2-1/2" Threaded Brass Plug, Countersunk Head..... For Plug Tapped For Center Screw, Add	34.09 9.50	14.24
22 05 76 00-0077	EA		3" Threaded Brass Plug, Countersunk Head..... For Plug Tapped For Center Screw, Add	37.42 9.50	15.71
22 05 76 00-0078	EA		3-1/2" Threaded Brass Plug, Countersunk Head..... For Plug Tapped For Center Screw, Add	43.50 9.50	18.32
22 05 76 00-0079	EA		4" Threaded Brass Plug, Countersunk Head..... For Plug Tapped For Center Screw, Add	51.04 9.50	20.94
22 05 76 00-0080	EA		5" Threaded Brass Plug, Countersunk Head..... For Plug Tapped For Center Screw, Add	59.62 9.50	23.56
22 05 76 00-0081	EA		6" Threaded Brass Plug, Countersunk Head..... For Plug Tapped For Center Screw, Add	71.82 9.50	26.18

**22 07 Plumbing Insulation (22)****22 07 16 Plumbing Equipment Insulation (22 07)****22 07 16 00-0001 Lavatory Insulation (22 07 16)**

22 07 16 00-0002	EA		Neoprene Insulation Kit For Under Lavatories.....	314.16	24.16
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**22 07 19 Plumbing Piping Insulation (22 07)****22 07 19 00-0001 Fiberglass (Glass Fiber) Pipe Insulation (22 07 19)**

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

**22 07 19 00-0002 1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)**

22 07 19 00-0003	LF		1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	7.93 0.16 1.92	2.36
22 07 19 00-0004	LF		3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	8.10 0.18 1.92	2.36
22 07 19 00-0005	LF		1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	8.60 0.19 2.03	2.47
22 07 19 00-0006	LF		1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	8.92 0.21 2.07	2.58
22 07 19 00-0007	LF		1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	9.17 0.22 2.11	2.58
22 07 19 00-0008	LF		2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	9.71 0.24 2.22	2.68
22 07 19 00-0009	LF		2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	10.17 0.28 2.26	2.79
22 07 19 00-0010	LF		3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	10.74 0.31 2.34	2.90





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0011 LF 4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.20	3.11
<i>For Single Layer Of Felt Finish, Add</i>	0.40	
<i>For Work In Restricted Working Space, Add</i>	2.53	
22 07 19 00-0012 LF 6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.41	3.65
<i>For Single Layer Of Felt Finish, Add</i>	0.48	
<i>For Work In Restricted Working Space, Add</i>	2.95	
<b>22 07 19 00-0013 1" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0014 LF 1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.65	3.22
<i>For Single Layer Of Felt Finish, Add</i>	0.19	
<i>For Work In Restricted Working Space, Add</i>	2.65	
22 07 19 00-0015 LF 3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.92	3.22
<i>For Single Layer Of Felt Finish, Add</i>	0.22	
<i>For Work In Restricted Working Space, Add</i>	2.65	
22 07 19 00-0016 LF 1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.09	3.22
<i>For Single Layer Of Felt Finish, Add</i>	0.22	
<i>For Work In Restricted Working Space, Add</i>	2.69	
22 07 19 00-0017 LF 1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.50	3.32
<i>For Single Layer Of Felt Finish, Add</i>	0.25	
<i>For Work In Restricted Working Space, Add</i>	2.72	
22 07 19 00-0018 LF 1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.81	3.32
<i>For Single Layer Of Felt Finish, Add</i>	0.27	
<i>For Work In Restricted Working Space, Add</i>	2.76	
22 07 19 00-0019 LF 2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.30	3.44
<i>For Single Layer Of Felt Finish, Add</i>	0.30	
<i>For Work In Restricted Working Space, Add</i>	2.84	
22 07 19 00-0020 LF 2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.98	3.65
<i>For Single Layer Of Felt Finish, Add</i>	0.33	
<i>For Work In Restricted Working Space, Add</i>	2.95	
22 07 19 00-0021 LF 3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.63	3.76
<i>For Single Layer Of Felt Finish, Add</i>	0.37	
<i>For Work In Restricted Working Space, Add</i>	3.03	
22 07 19 00-0022 LF 4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.42	3.97
<i>For Single Layer Of Felt Finish, Add</i>	0.48	
<i>For Work In Restricted Working Space, Add</i>	3.26	
22 07 19 00-0023 LF 6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.84	4.61
<i>For Single Layer Of Felt Finish, Add</i>	0.59	
<i>For Work In Restricted Working Space, Add</i>	3.68	
22 07 19 00-0024 LF 8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.03	5.15
<i>For Single Layer Of Felt Finish, Add</i>	0.84	
<i>For Work In Restricted Working Space, Add</i>	4.22	
22 07 19 00-0025 LF 10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.92	6.12
<i>For Single Layer Of Felt Finish, Add</i>	0.98	
<i>For Work In Restricted Working Space, Add</i>	4.98	
22 07 19 00-0026 LF 12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.74	6.98
<i>For Single Layer Of Felt Finish, Add</i>	1.11	
<i>For Work In Restricted Working Space, Add</i>	5.75	
22 07 19 00-0027 LF 14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.10	7.63
<i>For Single Layer Of Felt Finish, Add</i>	1.29	
<i>For Work In Restricted Working Space, Add</i>	5.95	
<b>22 07 19 00-0028 1-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0029 LF 1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.92	3.31
<i>For Single Layer Of Felt Finish, Add</i>	0.39	
<i>For Work In Restricted Working Space, Add</i>	2.76	
22 07 19 00-0030 LF 3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.08	3.31
<i>For Single Layer Of Felt Finish, Add</i>	0.41	
<i>For Work In Restricted Working Space, Add</i>	2.76	
22 07 19 00-0031 LF 1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.82	3.51
<i>For Single Layer Of Felt Finish, Add</i>	0.43	
<i>For Work In Restricted Working Space, Add</i>	2.92	
22 07 19 00-0032 LF 1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.32	3.59
<i>For Single Layer Of Felt Finish, Add</i>	0.46	
<i>For Work In Restricted Working Space, Add</i>	2.98	
22 07 19 00-0033 LF 1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.74	3.65
<i>For Single Layer Of Felt Finish, Add</i>	0.49	
<i>For Work In Restricted Working Space, Add</i>	3.03	
22 07 19 00-0034 LF 2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.72	3.84
<i>For Single Layer Of Felt Finish, Add</i>	0.53	
<i>For Work In Restricted Working Space, Add</i>	3.20	
22 07 19 00-0035 LF 2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.40	3.91
<i>For Single Layer Of Felt Finish, Add</i>	0.58	
<i>For Work In Restricted Working Space, Add</i>	3.25	
22 07 19 00-0036 LF 3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.93	4.05
<i>For Single Layer Of Felt Finish, Add</i>	0.60	
<i>For Work In Restricted Working Space, Add</i>	3.36	
22 07 19 00-0037 LF 4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.69	4.38
<i>For Single Layer Of Felt Finish, Add</i>	0.69	
<i>For Work In Restricted Working Space, Add</i>	3.64	
22 07 19 00-0038 LF 6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.63	5.11
<i>For Single Layer Of Felt Finish, Add</i>	0.79	
<i>For Work In Restricted Working Space, Add</i>	4.24	

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0039	LF		8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	24.31	5.39
			<i>For Single Layer Of Felt Finish, Add</i>	0.98	
			<i>For Work In Restricted Working Space, Add</i>	4.48	
22 07 19 00-0040	LF		10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	29.70	6.45
			<i>For Single Layer Of Felt Finish, Add</i>	1.24	
			<i>For Work In Restricted Working Space, Add</i>	5.36	
22 07 19 00-0041	LF		12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	33.70	7.52
			<i>For Single Layer Of Felt Finish, Add</i>	1.35	
			<i>For Work In Restricted Working Space, Add</i>	6.24	
22 07 19 00-0042	LF		14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	37.73	8.23
			<i>For Single Layer Of Felt Finish, Add</i>	1.57	
			<i>For Work In Restricted Working Space, Add</i>	6.84	
<b>22 07 19 00-0043</b>			<b>2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0044	LF		1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	15.93	3.65
			<i>For Single Layer Of Felt Finish, Add</i>	0.61	
			<i>For Work In Restricted Working Space, Add</i>	3.03	
22 07 19 00-0045	LF		3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	16.13	3.65
			<i>For Single Layer Of Felt Finish, Add</i>	0.63	
			<i>For Work In Restricted Working Space, Add</i>	3.03	
22 07 19 00-0046	LF		1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	16.69	3.76
			<i>For Single Layer Of Felt Finish, Add</i>	0.68	
			<i>For Work In Restricted Working Space, Add</i>	3.07	
22 07 19 00-0047	LF		1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	17.18	3.76
			<i>For Single Layer Of Felt Finish, Add</i>	0.72	
			<i>For Work In Restricted Working Space, Add</i>	3.11	
22 07 19 00-0048	LF		1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	17.69	3.87
			<i>For Single Layer Of Felt Finish, Add</i>	0.76	
			<i>For Work In Restricted Working Space, Add</i>	3.14	
22 07 19 00-0049	LF		2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	18.35	3.97
			<i>For Single Layer Of Felt Finish, Add</i>	0.79	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
22 07 19 00-0050	LF		2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	19.29	4.08
			<i>For Single Layer Of Felt Finish, Add</i>	0.85	
			<i>For Work In Restricted Working Space, Add</i>	3.37	
22 07 19 00-0051	LF		3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	20.31	4.29
			<i>For Single Layer Of Felt Finish, Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	3.49	
22 07 19 00-0052	LF		4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	22.21	4.51
			<i>For Single Layer Of Felt Finish, Add</i>	1.04	
			<i>For Work In Restricted Working Space, Add</i>	3.68	
22 07 19 00-0053	LF		6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	26.27	5.29
			<i>For Single Layer Of Felt Finish, Add</i>	1.21	
			<i>For Work In Restricted Working Space, Add</i>	4.42	
22 07 19 00-0054	LF		8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	29.82	5.59
			<i>For Single Layer Of Felt Finish, Add</i>	1.50	
			<i>For Work In Restricted Working Space, Add</i>	4.66	
22 07 19 00-0055	LF		10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	35.69	6.69
			<i>For Single Layer Of Felt Finish, Add</i>	1.79	
			<i>For Work In Restricted Working Space, Add</i>	5.58	
22 07 19 00-0056	LF		12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	41.03	8.02
			<i>For Single Layer Of Felt Finish, Add</i>	1.97	
			<i>For Work In Restricted Working Space, Add</i>	6.68	
22 07 19 00-0057	LF		14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	52.29	8.74
			<i>For Single Layer Of Felt Finish, Add</i>	2.23	
			<i>For Work In Restricted Working Space, Add</i>	9.32	
22 07 19 00-0058	LF		16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	55.23	10.26
			<i>For Single Layer Of Felt Finish, Add</i>	2.54	
			<i>For Work In Restricted Working Space, Add</i>	9.32	
22 07 19 00-0059	LF		18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	61.32	10.77
			<i>For Single Layer Of Felt Finish, Add</i>	3.01	
			<i>For Work In Restricted Working Space, Add</i>	9.78	
22 07 19 00-0060	LF		20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	69.50	12.30
			<i>For Single Layer Of Felt Finish, Add</i>	3.38	
			<i>For Work In Restricted Working Space, Add</i>	11.19	
22 07 19 00-0061	LF		24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	80.75	14.87
			<i>For Single Layer Of Felt Finish, Add</i>	3.75	
			<i>For Work In Restricted Working Space, Add</i>	13.51	
<b>22 07 19 00-0062</b>			<b>2-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0063	LF		1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	19.77	4.29
			<i>For Single Layer Of Felt Finish, Add</i>	0.85	
			<i>For Work In Restricted Working Space, Add</i>	3.50	
22 07 19 00-0064	LF		3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	20.05	4.29
			<i>For Single Layer Of Felt Finish, Add</i>	0.88	
			<i>For Work In Restricted Working Space, Add</i>	3.50	
22 07 19 00-0065	LF		1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	20.84	4.29
			<i>For Single Layer Of Felt Finish, Add</i>	0.95	
			<i>For Work In Restricted Working Space, Add</i>	3.55	
22 07 19 00-0066	LF		1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	21.43	4.40
			<i>For Single Layer Of Felt Finish, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	3.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0067 LF 1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.05 1.05 3.60	4.40
22 07 19 00-0068 LF 2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.96 1.10 3.75	4.61
22 07 19 00-0069 LF 2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.26 1.19 3.88	4.72
22 07 19 00-0070 LF 3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.44 1.27 4.02	4.94
22 07 19 00-0071 LF 4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.15 1.47 4.24	5.15
22 07 19 00-0072 LF 6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.27 1.70 4.82	5.47
22 07 19 00-0073 LF 8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.12 2.65 5.37	6.55
22 07 19 00-0074 LF 10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.51 3.24 6.19	7.52
22 07 19 00-0075 LF 12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.53 3.45 7.70	9.34
22 07 19 00-0076 LF 14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.19 4.01 8.40	10.31
22 07 19 00-0077 LF 16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.87 4.42 10.73	13.10
22 07 19 00-0078 LF 18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.75 4.85 11.27	13.74
22 07 19 00-0079 LF 20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.05 5.47 12.89	15.68
22 07 19 00-0080 LF 24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	111.78 6.29 15.56	18.94
<b>22 07 19 00-0081 3" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0082 LF 1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.80 0.94 3.87	4.75
22 07 19 00-0083 LF 3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.11 0.97 3.87	4.75
22 07 19 00-0084 LF 1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.92 1.04 3.91	4.79
22 07 19 00-0085 LF 1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.55 1.10 3.93	4.82
22 07 19 00-0086 LF 1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.27 1.16 3.98	4.88
22 07 19 00-0087 LF 2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.22 1.21 4.12	5.06
22 07 19 00-0088 LF 2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.64 1.31 4.26	5.23
22 07 19 00-0089 LF 3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.94 1.39 4.42	5.42
22 07 19 00-0090 LF 4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.93 1.62 4.66	5.72
22 07 19 00-0091 LF 6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.45 1.87 5.30	6.50
22 07 19 00-0092 LF 8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.36 2.91 5.90	7.23
22 07 19 00-0093 LF 10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.59 3.56 6.81	8.35
22 07 19 00-0094 LF 12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.30 3.79 8.46	10.38



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0095	LF		14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	72.72	11.33
			<i>For Single Layer Of Felt Finish, Add</i>	4.40	
			<i>For Work In Restricted Working Space, Add</i>	9.24	
22 07 19 00-0096	LF		16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	85.54	14.48
			<i>For Single Layer Of Felt Finish, Add</i>	4.85	
			<i>For Work In Restricted Working Space, Add</i>	11.81	
22 07 19 00-0097	LF		18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	92.00	15.21
			<i>For Single Layer Of Felt Finish, Add</i>	5.32	
			<i>For Work In Restricted Working Space, Add</i>	12.40	
22 07 19 00-0098	LF		20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	104.44	17.39
			<i>For Single Layer Of Felt Finish, Add</i>	6.00	
			<i>For Work In Restricted Working Space, Add</i>	14.18	
22 07 19 00-0099	LF		24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	122.81	20.99
			<i>For Single Layer Of Felt Finish, Add</i>	6.90	
			<i>For Work In Restricted Working Space, Add</i>	17.12	
<b>22 07 19 00-0100</b>			<b>3-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0101	LF		1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	23.50	5.15
			<i>For Single Layer Of Felt Finish, Add</i>	0.98	
			<i>For Work In Restricted Working Space, Add</i>	4.24	
22 07 19 00-0102	LF		3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	23.86	5.15
			<i>For Single Layer Of Felt Finish, Add</i>	1.02	
			<i>For Work In Restricted Working Space, Add</i>	4.24	
22 07 19 00-0103	LF		1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	25.03	5.15
			<i>For Single Layer Of Felt Finish, Add</i>	1.14	
			<i>For Work In Restricted Working Space, Add</i>	4.26	
22 07 19 00-0104	LF		1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	25.72	5.26
			<i>For Single Layer Of Felt Finish, Add</i>	1.20	
			<i>For Work In Restricted Working Space, Add</i>	4.29	
22 07 19 00-0105	LF		1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	26.54	5.26
			<i>For Single Layer Of Felt Finish, Add</i>	1.27	
			<i>For Work In Restricted Working Space, Add</i>	4.35	
22 07 19 00-0106	LF		2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	27.52	5.47
			<i>For Single Layer Of Felt Finish, Add</i>	1.32	
			<i>For Work In Restricted Working Space, Add</i>	4.49	
22 07 19 00-0107	LF		2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	29.07	5.69
			<i>For Single Layer Of Felt Finish, Add</i>	1.42	
			<i>For Work In Restricted Working Space, Add</i>	4.65	
22 07 19 00-0108	LF		3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	30.40	5.90
			<i>For Single Layer Of Felt Finish, Add</i>	1.51	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
22 07 19 00-0109	LF		4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	33.80	6.23
			<i>For Single Layer Of Felt Finish, Add</i>	1.77	
			<i>For Work In Restricted Working Space, Add</i>	5.09	
22 07 19 00-0110	LF		6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	38.71	7.08
			<i>For Single Layer Of Felt Finish, Add</i>	2.04	
			<i>For Work In Restricted Working Space, Add</i>	5.78	
22 07 19 00-0111	LF		8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	51.71	7.84
			<i>For Single Layer Of Felt Finish, Add</i>	3.18	
			<i>For Work In Restricted Working Space, Add</i>	6.44	
22 07 19 00-0112	LF		10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	61.81	9.02
			<i>For Single Layer Of Felt Finish, Add</i>	3.89	
			<i>For Work In Restricted Working Space, Add</i>	7.43	
22 07 19 00-0113	LF		12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	70.23	11.27
			<i>For Single Layer Of Felt Finish, Add</i>	4.14	
			<i>For Work In Restricted Working Space, Add</i>	9.23	
22 07 19 00-0114	LF		14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	79.45	12.34
			<i>For Single Layer Of Felt Finish, Add</i>	4.81	
			<i>For Work In Restricted Working Space, Add</i>	10.08	
22 07 19 00-0115	LF		16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	93.46	15.68
			<i>For Single Layer Of Felt Finish, Add</i>	5.30	
			<i>For Work In Restricted Working Space, Add</i>	12.88	
22 07 19 00-0116	LF		18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	100.49	16.53
			<i>For Single Layer Of Felt Finish, Add</i>	5.82	
			<i>For Work In Restricted Working Space, Add</i>	13.52	
22 07 19 00-0117	LF		20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	114.11	18.89
			<i>For Single Layer Of Felt Finish, Add</i>	6.57	
			<i>For Work In Restricted Working Space, Add</i>	15.47	
22 07 19 00-0118	LF		24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	134.14	22.76
			<i>For Single Layer Of Felt Finish, Add</i>	7.55	
			<i>For Work In Restricted Working Space, Add</i>	18.68	
<b>22 07 19 00-0119</b>			<b>4" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0120	LF		1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	26.64	5.79
			<i>For Single Layer Of Felt Finish, Add</i>	1.15	
			<i>For Work In Restricted Working Space, Add</i>	4.70	
22 07 19 00-0121	LF		3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	27.03	5.79
			<i>For Single Layer Of Felt Finish, Add</i>	1.19	
			<i>For Work In Restricted Working Space, Add</i>	4.70	
22 07 19 00-0122	LF		1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	28.12	5.79
			<i>For Single Layer Of Felt Finish, Add</i>	1.28	
			<i>For Work In Restricted Working Space, Add</i>	4.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0123 LF 1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.99	5.90
<i>For Single Layer Of Felt Finish, Add</i>	1.35	
<i>For Work In Restricted Working Space, Add</i>	4.84	
22 07 19 00-0124 LF 1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.19	6.12
<i>For Single Layer Of Felt Finish, Add</i>	1.42	
<i>For Work In Restricted Working Space, Add</i>	4.99	
22 07 19 00-0125 LF 2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	31.29	6.34
<i>For Single Layer Of Felt Finish, Add</i>	1.48	
<i>For Work In Restricted Working Space, Add</i>	5.15	
22 07 19 00-0126 LF 2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.70	6.34
<i>For Single Layer Of Felt Finish, Add</i>	1.60	
<i>For Work In Restricted Working Space, Add</i>	5.23	
22 07 19 00-0127 LF 3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	34.33	6.66
<i>For Single Layer Of Felt Finish, Add</i>	1.71	
<i>For Work In Restricted Working Space, Add</i>	5.42	
22 07 19 00-0128 LF 4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	37.99	6.98
<i>For Single Layer Of Felt Finish, Add</i>	1.99	
<i>For Work In Restricted Working Space, Add</i>	5.72	
22 07 19 00-0129 LF 6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	43.53	7.95
<i>For Single Layer Of Felt Finish, Add</i>	2.30	
<i>For Work In Restricted Working Space, Add</i>	6.49	
22 07 19 00-0130 LF 8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	58.19	8.58
<i>For Single Layer Of Felt Finish, Add</i>	3.58	
<i>For Work In Restricted Working Space, Add</i>	7.24	
22 07 19 00-0131 LF 10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	69.55	10.20
<i>For Single Layer Of Felt Finish, Add</i>	4.38	
<i>For Work In Restricted Working Space, Add</i>	8.36	
22 07 19 00-0132 LF 12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	79.02	12.66
<i>For Single Layer Of Felt Finish, Add</i>	4.66	
<i>For Work In Restricted Working Space, Add</i>	10.39	
22 07 19 00-0133 LF 14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	89.40	13.85
<i>For Single Layer Of Felt Finish, Add</i>	5.42	
<i>For Work In Restricted Working Space, Add</i>	11.35	
22 07 19 00-0134 LF 16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	105.18	17.71
<i>For Single Layer Of Felt Finish, Add</i>	5.97	
<i>For Work In Restricted Working Space, Add</i>	14.51	
22 07 19 00-0135 LF 18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	113.01	18.57
<i>For Single Layer Of Felt Finish, Add</i>	6.55	
<i>For Work In Restricted Working Space, Add</i>	15.20	
22 07 19 00-0136 LF 20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	126.73	21.26
<i>For Single Layer Of Felt Finish, Add</i>	7.22	
<i>For Work In Restricted Working Space, Add</i>	17.40	
22 07 19 00-0137 LF 24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	150.94	25.66
<i>For Single Layer Of Felt Finish, Add</i>	8.49	
<i>For Work In Restricted Working Space, Add</i>	21.02	
<b>22 07 19 00-0138</b> <b>Foamglas (Cellular Glass) Pipe Insulation, Rigid, Closed Cell</b> <small>(22 07 19)</small>		
Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
<b>22 07 19 00-0139</b> <b>1" Thick Foamglas Pipe Insulation</b> <small>(22 07 19 00-0138)</small>		
22 07 19 00-0140 LF 1/2" Diameter Pipe, 1" Thick Foamglas Insulation .....	18.70	5.24
<i>For Work In Restricted Working Space, Add</i>	4.76	
22 07 19 00-0141 LF 3/4" Diameter Pipe, 1" Thick Foamglas Insulation .....	19.42	5.24
<i>For Work In Restricted Working Space, Add</i>	4.76	
22 07 19 00-0142 LF 1" Diameter Pipe, 1" Thick Foamglas Insulation .....	20.37	5.31
<i>For Work In Restricted Working Space, Add</i>	4.83	
22 07 19 00-0143 LF 1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation .....	20.85	5.39
<i>For Work In Restricted Working Space, Add</i>	4.90	
22 07 19 00-0144 LF 1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation .....	21.56	5.46
<i>For Work In Restricted Working Space, Add</i>	4.97	
22 07 19 00-0145 LF 2" Diameter Pipe, 1" Thick Foamglas Insulation .....	22.94	5.61
<i>For Work In Restricted Working Space, Add</i>	5.11	
22 07 19 00-0146 LF 2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation .....	24.67	5.85
<i>For Work In Restricted Working Space, Add</i>	5.32	
22 07 19 00-0147 LF 3" Diameter Pipe, 1" Thick Foamglas Insulation .....	26.53	6.00
<i>For Work In Restricted Working Space, Add</i>	5.45	
22 07 19 00-0148 LF 4" Diameter Pipe, 1" Thick Foamglas Insulation .....	30.56	6.45
<i>For Work In Restricted Working Space, Add</i>	5.87	
22 07 19 00-0149 LF 6" Diameter Pipe, 1" Thick Foamglas Insulation .....	38.71	7.27
<i>For Work In Restricted Working Space, Add</i>	6.62	
<b>22 07 19 00-0150</b> <b>1-1/2" Thick Foamglas Pipe Insulation</b> <small>(22 07 19 00-0138)</small>		
22 07 19 00-0151 LF 1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation .....	22.03	5.80
<i>For Work In Restricted Working Space, Add</i>	5.11	
22 07 19 00-0152 LF 3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation .....	22.48	5.80
<i>For Work In Restricted Working Space, Add</i>	5.11	
22 07 19 00-0153 LF 1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation .....	23.16	5.88
<i>For Work In Restricted Working Space, Add</i>	5.18	
22 07 19 00-0154 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation .....	23.72	5.95
<i>For Work In Restricted Working Space, Add</i>	5.24	

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0155 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	24.23	6.04
<i>For Work In Restricted Working Space, Add</i>	5.31	
22 07 19 00-0156 LF 2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	26.23	6.24
<i>For Work In Restricted Working Space, Add</i>	5.49	
22 07 19 00-0157 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	29.57	6.48
<i>For Work In Restricted Working Space, Add</i>	5.70	
22 07 19 00-0158 LF 3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	32.55	6.67
<i>For Work In Restricted Working Space, Add</i>	5.87	
22 07 19 00-0159 LF 4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	36.78	7.09
<i>For Work In Restricted Working Space, Add</i>	6.25	
22 07 19 00-0160 LF 6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	43.25	8.04
<i>For Work In Restricted Working Space, Add</i>	7.07	
22 07 19 00-0161 LF 8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	48.37	8.97
<i>For Work In Restricted Working Space, Add</i>	7.89	
22 07 19 00-0162 LF 10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	58.57	10.34
<i>For Work In Restricted Working Space, Add</i>	9.09	
22 07 19 00-0163 LF 12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	69.61	12.84
<i>For Work In Restricted Working Space, Add</i>	11.30	
22 07 19 00-0164 LF 14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	77.29	13.52
<i>For Work In Restricted Working Space, Add</i>	12.28	
22 07 19 00-0165 LF 16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	85.13	15.09
<i>For Work In Restricted Working Space, Add</i>	13.72	
22 07 19 00-0166 LF 18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	96.62	17.85
<i>For Work In Restricted Working Space, Add</i>	16.23	
22 07 19 00-0167 LF 20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	107.91	19.77
<i>For Work In Restricted Working Space, Add</i>	17.97	
22 07 19 00-0168 LF 24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation.....	134.21	21.90
<i>For Work In Restricted Working Space, Add</i>	19.91	
<b>22 07 19 00-0169 2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)</b>		
22 07 19 00-0170 LF 1/2" Diameter Pipe, 2" Thick Foamglas Insulation.....	24.70	6.00
<i>For Work In Restricted Working Space, Add</i>	5.45	
22 07 19 00-0171 LF 3/4" Diameter Pipe, 2" Thick Foamglas Insulation.....	25.41	6.00
<i>For Work In Restricted Working Space, Add</i>	5.45	
22 07 19 00-0172 LF 1" Diameter Pipe, 2" Thick Foamglas Insulation.....	26.33	6.06
<i>For Work In Restricted Working Space, Add</i>	5.52	
22 07 19 00-0173 LF 1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation.....	27.67	6.16
<i>For Work In Restricted Working Space, Add</i>	5.59	
22 07 19 00-0174 LF 1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation.....	29.02	6.23
<i>For Work In Restricted Working Space, Add</i>	5.66	
22 07 19 00-0175 LF 2" Diameter Pipe, 2" Thick Foamglas Insulation.....	32.34	6.45
<i>For Work In Restricted Working Space, Add</i>	5.87	
22 07 19 00-0176 LF 2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation.....	33.91	6.69
<i>For Work In Restricted Working Space, Add</i>	6.08	
22 07 19 00-0177 LF 3" Diameter Pipe, 2" Thick Foamglas Insulation.....	36.34	6.90
<i>For Work In Restricted Working Space, Add</i>	6.28	
22 07 19 00-0178 LF 4" Diameter Pipe, 2" Thick Foamglas Insulation.....	40.83	7.29
<i>For Work In Restricted Working Space, Add</i>	6.62	
22 07 19 00-0179 LF 6" Diameter Pipe, 2" Thick Foamglas Insulation.....	48.75	8.28
<i>For Work In Restricted Working Space, Add</i>	7.52	
22 07 19 00-0180 LF 8" Diameter Pipe, 2" Thick Foamglas Insulation.....	54.28	9.23
<i>For Work In Restricted Working Space, Add</i>	8.39	
22 07 19 00-0181 LF 10" Diameter Pipe, 2" Thick Foamglas Insulation.....	65.96	10.64
<i>For Work In Restricted Working Space, Add</i>	9.68	
22 07 19 00-0182 LF 12" Diameter Pipe, 2" Thick Foamglas Insulation.....	81.71	13.23
<i>For Work In Restricted Working Space, Add</i>	12.02	
22 07 19 00-0183 LF 14" Diameter Pipe, 2" Thick Foamglas Insulation.....	87.34	14.44
<i>For Work In Restricted Working Space, Add</i>	13.12	
22 07 19 00-0184 LF 16" Diameter Pipe, 2" Thick Foamglas Insulation.....	103.50	18.46
<i>For Work In Restricted Working Space, Add</i>	16.78	
22 07 19 00-0185 LF 18" Diameter Pipe, 2" Thick Foamglas Insulation.....	112.71	19.37
<i>For Work In Restricted Working Space, Add</i>	17.61	
22 07 19 00-0186 LF 20" Diameter Pipe, 2" Thick Foamglas Insulation.....	124.81	22.14
<i>For Work In Restricted Working Space, Add</i>	20.13	
22 07 19 00-0187 LF 24" Diameter Pipe, 2" Thick Foamglas Insulation.....	156.37	26.75
<i>For Work In Restricted Working Space, Add</i>	24.32	
<b>22 07 19 00-0188 2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)</b>		
22 07 19 00-0189 LF 1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	29.87	6.51
<i>For Work In Restricted Working Space, Add</i>	5.91	
22 07 19 00-0190 LF 3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	31.06	6.50
<i>For Work In Restricted Working Space, Add</i>	5.91	
22 07 19 00-0191 LF 1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	32.59	6.60
<i>For Work In Restricted Working Space, Add</i>	6.01	
22 07 19 00-0192 LF 1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	33.94	6.66
<i>For Work In Restricted Working Space, Add</i>	6.05	
22 07 19 00-0193 LF 1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	35.31	6.71
<i>For Work In Restricted Working Space, Add</i>	6.10	
22 07 19 00-0194 LF 2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	37.82	6.98
<i>For Work In Restricted Working Space, Add</i>	6.35	
22 07 19 00-0195 LF 2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	40.21	7.22
<i>For Work In Restricted Working Space, Add</i>	6.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0196 LF 3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	43.61	7.48
<i>For Work In Restricted Working Space, Add</i>	6.80	
22 07 19 00-0197 LF 4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	48.80	7.88
<i>For Work In Restricted Working Space, Add</i>	7.17	
22 07 19 00-0198 LF 6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	58.28	8.97
<i>For Work In Restricted Working Space, Add</i>	8.15	
22 07 19 00-0199 LF 8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	64.93	9.99
<i>For Work In Restricted Working Space, Add</i>	9.08	
22 07 19 00-0200 LF 10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	74.10	11.51
<i>For Work In Restricted Working Space, Add</i>	10.47	
22 07 19 00-0201 LF 12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	92.27	14.32
<i>For Work In Restricted Working Space, Add</i>	13.02	
22 07 19 00-0202 LF 14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	96.32	15.63
<i>For Work In Restricted Working Space, Add</i>	14.21	
22 07 19 00-0203 LF 16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	113.80	19.98
<i>For Work In Restricted Working Space, Add</i>	18.16	
22 07 19 00-0204 LF 18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	123.63	20.97
<i>For Work In Restricted Working Space, Add</i>	19.07	
22 07 19 00-0205 LF 20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	142.13	23.97
<i>For Work In Restricted Working Space, Add</i>	21.80	
22 07 19 00-0206 LF 24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	177.85	28.97
<i>For Work In Restricted Working Space, Add</i>	26.33	
<b>22 07 19 00-0207 3" Thick Foamglas Pipe Insulation (22 07 19 00-0138)</b>		
22 07 19 00-0208 LF 1/2" Diameter Pipe, 3" Thick Foamglas Insulation.....	35.95	6.91
<i>For Work In Restricted Working Space, Add</i>	6.29	
22 07 19 00-0209 LF 3/4" Diameter Pipe, 3" Thick Foamglas Insulation.....	36.67	6.91
<i>For Work In Restricted Working Space, Add</i>	6.29	
22 07 19 00-0210 LF 1" Diameter Pipe, 3" Thick Foamglas Insulation.....	37.74	7.03
<i>For Work In Restricted Working Space, Add</i>	6.39	
22 07 19 00-0211 LF 1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation.....	38.61	7.07
<i>For Work In Restricted Working Space, Add</i>	6.44	
22 07 19 00-0212 LF 1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation.....	39.52	7.14
<i>For Work In Restricted Working Space, Add</i>	6.49	
22 07 19 00-0213 LF 2" Diameter Pipe, 3" Thick Foamglas Insulation.....	42.44	7.42
<i>For Work In Restricted Working Space, Add</i>	6.76	
22 07 19 00-0214 LF 2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation.....	45.23	7.69
<i>For Work In Restricted Working Space, Add</i>	6.98	
22 07 19 00-0215 LF 3" Diameter Pipe, 3" Thick Foamglas Insulation.....	51.28	7.96
<i>For Work In Restricted Working Space, Add</i>	7.23	
22 07 19 00-0216 LF 4" Diameter Pipe, 3" Thick Foamglas Insulation.....	58.44	8.38
<i>For Work In Restricted Working Space, Add</i>	7.62	
22 07 19 00-0217 LF 6" Diameter Pipe, 3" Thick Foamglas Insulation.....	64.03	9.53
<i>For Work In Restricted Working Space, Add</i>	8.66	
22 07 19 00-0218 LF 8" Diameter Pipe, 3" Thick Foamglas Insulation.....	72.32	10.63
<i>For Work In Restricted Working Space, Add</i>	9.67	
22 07 19 00-0219 LF 10" Diameter Pipe, 3" Thick Foamglas Insulation.....	86.22	12.26
<i>For Work In Restricted Working Space, Add</i>	11.14	
22 07 19 00-0220 LF 12" Diameter Pipe, 3" Thick Foamglas Insulation.....	100.27	15.23
<i>For Work In Restricted Working Space, Add</i>	13.85	
22 07 19 00-0221 LF 14" Diameter Pipe, 3" Thick Foamglas Insulation.....	107.39	16.63
<i>For Work In Restricted Working Space, Add</i>	15.12	
22 07 19 00-0222 LF 16" Diameter Pipe, 3" Thick Foamglas Insulation.....	128.38	21.26
<i>For Work In Restricted Working Space, Add</i>	19.32	
22 07 19 00-0223 LF 18" Diameter Pipe, 3" Thick Foamglas Insulation.....	137.38	22.31
<i>For Work In Restricted Working Space, Add</i>	20.29	
22 07 19 00-0224 LF 20" Diameter Pipe, 3" Thick Foamglas Insulation.....	160.92	25.51
<i>For Work In Restricted Working Space, Add</i>	23.19	
22 07 19 00-0225 LF 24" Diameter Pipe, 3" Thick Foamglas Insulation.....	196.69	30.82
<i>For Work In Restricted Working Space, Add</i>	28.01	
<b>22 07 19 00-0226 3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)</b>		
22 07 19 00-0227 LF 1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	43.31	8.38
<i>For Work In Restricted Working Space, Add</i>	7.62	
22 07 19 00-0228 LF 3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	44.21	8.38
<i>For Work In Restricted Working Space, Add</i>	7.62	
22 07 19 00-0229 LF 1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	45.29	8.44
<i>For Work In Restricted Working Space, Add</i>	7.67	
22 07 19 00-0230 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	46.35	8.49
<i>For Work In Restricted Working Space, Add</i>	7.72	
22 07 19 00-0231 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	47.58	8.60
<i>For Work In Restricted Working Space, Add</i>	7.82	
22 07 19 00-0232 LF 2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	52.30	8.90
<i>For Work In Restricted Working Space, Add</i>	8.09	
22 07 19 00-0233 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	57.06	9.21
<i>For Work In Restricted Working Space, Add</i>	8.37	
22 07 19 00-0234 LF 3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	60.25	9.53
<i>For Work In Restricted Working Space, Add</i>	8.66	
22 07 19 00-0235 LF 4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	64.51	10.08
<i>For Work In Restricted Working Space, Add</i>	9.16	
22 07 19 00-0236 LF 6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	74.26	11.44
<i>For Work In Restricted Working Space, Add</i>	10.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0237	LF		8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation .....	84.40	12.74
			<i>For Work In Restricted Working Space, Add</i>	11.58	
22 07 19 00-0238	LF		10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation .....	100.90	14.71
			<i>For Work In Restricted Working Space, Add</i>	13.37	
22 07 19 00-0239	LF		12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation .....	119.31	18.28
			<i>For Work In Restricted Working Space, Add</i>	16.62	
22 07 19 00-0240	LF		14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation .....	124.54	19.96
			<i>For Work In Restricted Working Space, Add</i>	18.14	
22 07 19 00-0241	LF		16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation .....	149.44	25.51
			<i>For Work In Restricted Working Space, Add</i>	23.19	
22 07 19 00-0242	LF		18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation .....	164.14	26.79
			<i>For Work In Restricted Working Space, Add</i>	24.35	
22 07 19 00-0243	LF		20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation .....	186.88	30.63
			<i>For Work In Restricted Working Space, Add</i>	27.85	
22 07 19 00-0244	LF		24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation .....	229.44	36.98
			<i>For Work In Restricted Working Space, Add</i>	33.62	
<b>22 07 19 00-0245</b>			<b>4" Thick Foamglas Pipe Insulation (22 07 19 00-0138)</b>		
22 07 19 00-0246	LF		1/2" Diameter Pipe, 4" Thick Foamglas Insulation .....	52.74	10.31
			<i>For Work In Restricted Working Space, Add</i>	9.37	
22 07 19 00-0247	LF		3/4" Diameter Pipe, 4" Thick Foamglas Insulation .....	53.91	10.31
			<i>For Work In Restricted Working Space, Add</i>	9.37	
22 07 19 00-0248	LF		1" Diameter Pipe, 4" Thick Foamglas Insulation .....	55.61	10.48
			<i>For Work In Restricted Working Space, Add</i>	9.53	
22 07 19 00-0249	LF		1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation .....	57.15	10.61
			<i>For Work In Restricted Working Space, Add</i>	9.64	
22 07 19 00-0250	LF		1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation .....	59.32	10.94
			<i>For Work In Restricted Working Space, Add</i>	9.94	
22 07 19 00-0251	LF		2" Diameter Pipe, 4" Thick Foamglas Insulation .....	64.05	11.27
			<i>For Work In Restricted Working Space, Add</i>	10.25	
22 07 19 00-0252	LF		2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation .....	68.26	11.45
			<i>For Work In Restricted Working Space, Add</i>	10.41	
22 07 19 00-0253	LF		3" Diameter Pipe, 4" Thick Foamglas Insulation .....	71.66	11.88
			<i>For Work In Restricted Working Space, Add</i>	10.79	
22 07 19 00-0254	LF		4" Diameter Pipe, 4" Thick Foamglas Insulation .....	78.33	13.24
			<i>For Work In Restricted Working Space, Add</i>	12.04	
22 07 19 00-0255	LF		6" Diameter Pipe, 4" Thick Foamglas Insulation .....	90.53	14.21
			<i>For Work In Restricted Working Space, Add</i>	12.92	
22 07 19 00-0256	LF		8" Diameter Pipe, 4" Thick Foamglas Insulation .....	102.16	15.41
			<i>For Work In Restricted Working Space, Add</i>	14.01	
22 07 19 00-0257	LF		10" Diameter Pipe, 4" Thick Foamglas Insulation .....	117.06	18.32
			<i>For Work In Restricted Working Space, Add</i>	16.65	
22 07 19 00-0258	LF		12" Diameter Pipe, 4" Thick Foamglas Insulation .....	136.85	22.75
			<i>For Work In Restricted Working Space, Add</i>	20.68	
22 07 19 00-0259	LF		14" Diameter Pipe, 4" Thick Foamglas Insulation .....	148.82	24.84
			<i>For Work In Restricted Working Space, Add</i>	22.59	
22 07 19 00-0260	LF		16" Diameter Pipe, 4" Thick Foamglas Insulation .....	176.80	31.76
			<i>For Work In Restricted Working Space, Add</i>	28.88	
22 07 19 00-0261	LF		18" Diameter Pipe, 4" Thick Foamglas Insulation .....	196.56	33.29
			<i>For Work In Restricted Working Space, Add</i>	30.26	
22 07 19 00-0262	LF		20" Diameter Pipe, 4" Thick Foamglas Insulation .....	220.39	38.10
			<i>For Work In Restricted Working Space, Add</i>	34.64	
22 07 19 00-0263	LF		24" Diameter Pipe, 4" Thick Foamglas Insulation .....	279.38	46.03
			<i>For Work In Restricted Working Space, Add</i>	41.84	
<b>22 07 19 00-0264</b>			<b>Polyisocyanurate Pipe Insulation (22 07 19)</b>		
			Note: Dow Trymer insulation with Saran vapor wrap. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
<b>22 07 19 00-0265</b>			<b>1" Thick Polyisocyanurate Pipe Insulation (22 07 19 00-0264)</b>		
22 07 19 00-0266	LF		2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation .....	16.58	3.11
22 07 19 00-0267	LF		2-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation .....	17.88	3.32
22 07 19 00-0268	LF		3" Diameter Pipe, 1" Thick Polyisocyanurate Insulation .....	19.24	3.55
22 07 19 00-0269	LF		4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation .....	22.73	4.19
22 07 19 00-0270	LF		6" Diameter Pipe, 1" Thick Polyisocyanurate Insulation .....	28.77	5.26
22 07 19 00-0271	LF		8" Diameter Pipe, 1" Thick Polyisocyanurate Insulation .....	34.60	6.23
22 07 19 00-0272	LF		10" Diameter Pipe, 1" Thick Polyisocyanurate Insulation .....	39.67	6.98
<b>22 07 19 00-0273</b>			<b>1-1/2" Thick Polyisocyanurate Pipe Insulation (22 07 19 00-0264)</b>		
22 07 19 00-0274	LF		2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation .....	19.06	3.32
22 07 19 00-0275	LF		2-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation .....	20.69	3.55
22 07 19 00-0276	LF		3" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation .....	22.29	3.65
22 07 19 00-0277	LF		4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation .....	26.38	4.51
22 07 19 00-0278	LF		6" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation .....	33.74	5.69
22 07 19 00-0279	LF		8" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation .....	41.05	6.98
22 07 19 00-0280	LF		10" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation .....	47.31	7.84





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 07 19 00-0281</b> <b>2" Thick Polyisocyanurate Pipe Insulation</b> <small>(22 07 19 00-0264)</small>		
22 07 19 00-0282    LF    2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	24.00	3.55
22 07 19 00-0283    LF    2-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	26.03	3.76
22 07 19 00-0284    LF    3" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	27.41	3.97
22 07 19 00-0285    LF    4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	32.61	4.84
22 07 19 00-0286    LF    6" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	39.58	6.23
22 07 19 00-0287    LF    8" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	51.89	7.84
22 07 19 00-0288    LF    10" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	55.00	9.02
<b>22 07 19 00-0289</b> <b>Flexible Polyethylene Tubing Closed Cell Foam Insulation</b> <small>(22 07 19)</small>		
Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
<b>22 07 19 00-0290</b> <b>3/8" Wall Flexible Polyethylene Tubing Foam Insulation</b> <small>(22 07 19 00-0289)</small>		
22 07 19 00-0291    LF    1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	6.92	3.21
<i>For Work In Restricted Working Space, Add</i>		
	1.93	
22 07 19 00-0292    LF    3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	6.93	3.21
<i>For Work In Restricted Working Space, Add</i>		
	1.93	
22 07 19 00-0293    LF    1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	7.23	3.32
<i>For Work In Restricted Working Space, Add</i>		
	2.00	
22 07 19 00-0294    LF    3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	7.52	3.44
<i>For Work In Restricted Working Space, Add</i>		
	2.06	
22 07 19 00-0295    LF    1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	7.82	3.50
<i>For Work In Restricted Working Space, Add</i>		
	2.10	
22 07 19 00-0296    LF    1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.16	3.56
<i>For Work In Restricted Working Space, Add</i>		
	2.13	
22 07 19 00-0297    LF    1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.31	3.56
<i>For Work In Restricted Working Space, Add</i>		
	2.14	
22 07 19 00-0298    LF    2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.72	3.56
<i>For Work In Restricted Working Space, Add</i>		
	2.15	
22 07 19 00-0299    LF    2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.50	3.66
<i>For Work In Restricted Working Space, Add</i>		
	2.21	
22 07 19 00-0300    LF    3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.84	3.73
<i>For Work In Restricted Working Space, Add</i>		
	2.25	
<b>22 07 19 00-0301</b> <b>1/2" Wall Flexible Polyethylene Tubing Foam Insulation</b> <small>(22 07 19 00-0289)</small>		
22 07 19 00-0302    LF    1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	7.71	3.50
<i>For Work In Restricted Working Space, Add</i>		
	2.10	
22 07 19 00-0303    LF    3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	7.80	3.50
<i>For Work In Restricted Working Space, Add</i>		
	2.11	
22 07 19 00-0304    LF    1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	7.93	3.56
<i>For Work In Restricted Working Space, Add</i>		
	2.13	
22 07 19 00-0305    LF    3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.10	3.58
<i>For Work In Restricted Working Space, Add</i>		
	2.15	
22 07 19 00-0306    LF    1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.54	3.66
<i>For Work In Restricted Working Space, Add</i>		
	2.20	
22 07 19 00-0307    LF    1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.90	3.73
<i>For Work In Restricted Working Space, Add</i>		
	2.23	
22 07 19 00-0308    LF    1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.34	3.78
<i>For Work In Restricted Working Space, Add</i>		
	2.27	
22 07 19 00-0309    LF    2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.86	3.83
<i>For Work In Restricted Working Space, Add</i>		
	2.30	
22 07 19 00-0310    LF    2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.76	3.95
<i>For Work In Restricted Working Space, Add</i>		
	2.37	
22 07 19 00-0311    LF    3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.71	4.00
<i>For Work In Restricted Working Space, Add</i>		
	2.40	
22 07 19 00-0312    LF    3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.62	4.06
<i>For Work In Restricted Working Space, Add</i>		
	2.44	
22 07 19 00-0313    LF    4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	13.14	4.11
<i>For Work In Restricted Working Space, Add</i>		
	2.47	
<b>22 07 19 00-0314</b> <b>3/4" Wall Flexible Polyethylene Tubing Foam Insulation</b> <small>(22 07 19 00-0289)</small>		
22 07 19 00-0315    LF    1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.62	3.78
<i>For Work In Restricted Working Space, Add</i>		
	2.27	
22 07 19 00-0316    LF    3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.73	3.83
<i>For Work In Restricted Working Space, Add</i>		
	2.30	
22 07 19 00-0317    LF    1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.33	3.95
<i>For Work In Restricted Working Space, Add</i>		
	2.37	
22 07 19 00-0318    LF    3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.60	4.00
<i>For Work In Restricted Working Space, Add</i>		
	2.40	
22 07 19 00-0319    LF    1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.35	4.11
<i>For Work In Restricted Working Space, Add</i>		
	2.47	
22 07 19 00-0320    LF    1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.14	4.18
<i>For Work In Restricted Working Space, Add</i>		
	2.50	
22 07 19 00-0321    LF    1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.49	4.20
<i>For Work In Restricted Working Space, Add</i>		
	2.52	
22 07 19 00-0322    LF    2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.96	4.23
<i>For Work In Restricted Working Space, Add</i>		
	2.54	
22 07 19 00-0323    LF    2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	14.96	4.33
<i>For Work In Restricted Working Space, Add</i>		
	2.60	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0324	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	15.07	4.40	
		<i>For Work In Restricted Working Space, Add</i>	2.64		
22 07 19 00-0325	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	16.51	4.45	
		<i>For Work In Restricted Working Space, Add</i>	2.67		
22 07 19 00-0326	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	17.11	4.51	
		<i>For Work In Restricted Working Space, Add</i>	2.71		
<b>22 07 19 00-0327</b>		<b>1" Wall Flexible Polyethylene Tubing Foam Insulation</b> (22 07 19 00-0289)			
22 07 19 00-0328	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.85	4.18	
		<i>For Work In Restricted Working Space, Add</i>	2.50		
22 07 19 00-0329	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.12	4.23	
		<i>For Work In Restricted Working Space, Add</i>	2.54		
22 07 19 00-0330	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.99	4.33	
		<i>For Work In Restricted Working Space, Add</i>	2.60		
22 07 19 00-0331	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.25	4.40	
		<i>For Work In Restricted Working Space, Add</i>	2.64		
22 07 19 00-0332	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.57	4.51	
		<i>For Work In Restricted Working Space, Add</i>	2.71		
22 07 19 00-0333	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	13.21	4.62	
		<i>For Work In Restricted Working Space, Add</i>	2.77		
22 07 19 00-0334	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	13.47	4.68	
		<i>For Work In Restricted Working Space, Add</i>	2.81		
22 07 19 00-0335	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	14.76	4.73	
		<i>For Work In Restricted Working Space, Add</i>	2.84		
22 07 19 00-0336	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	15.66	4.86	
		<i>For Work In Restricted Working Space, Add</i>	2.91		
22 07 19 00-0337	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	16.46	4.91	
		<i>For Work In Restricted Working Space, Add</i>	2.94		
<b>22 07 19 00-0338</b>		<b>Flexible Elastomeric Tubing Closed Cell Foam Insulation</b> (22 07 19)			
		Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.			
<b>22 07 19 00-0339</b>		<b>3/8" Wall Flexible Elastomeric Tubing Foam Insulation</b> (22 07 19 00-0338)			
22 07 19 00-0340	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.19	3.21	
		<i>For Work In Restricted Working Space, Add</i>	1.93		
22 07 19 00-0341	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.32	3.21	
		<i>For Work In Restricted Working Space, Add</i>	1.93		
22 07 19 00-0342	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.62	3.32	
		<i>For Work In Restricted Working Space, Add</i>	2.00		
22 07 19 00-0343	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.79	3.38	
		<i>For Work In Restricted Working Space, Add</i>	2.03		
22 07 19 00-0344	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.98	3.44	
		<i>For Work In Restricted Working Space, Add</i>	2.06		
22 07 19 00-0345	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.24	3.50	
		<i>For Work In Restricted Working Space, Add</i>	2.10		
22 07 19 00-0346	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.46	3.56	
		<i>For Work In Restricted Working Space, Add</i>	2.13		
22 07 19 00-0347	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.70	3.56	
		<i>For Work In Restricted Working Space, Add</i>	2.14		
22 07 19 00-0348	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.90	3.56	
		<i>For Work In Restricted Working Space, Add</i>	2.15		
22 07 19 00-0349	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.11	3.61	
		<i>For Work In Restricted Working Space, Add</i>	2.16		
22 07 19 00-0350	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.41	3.66	
		<i>For Work In Restricted Working Space, Add</i>	2.20		
22 07 19 00-0351	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.67	3.66	
		<i>For Work In Restricted Working Space, Add</i>	2.21		
22 07 19 00-0352	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.85	3.73	
		<i>For Work In Restricted Working Space, Add</i>	2.23		
22 07 19 00-0353	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.13	3.73	
		<i>For Work In Restricted Working Space, Add</i>	2.25		
22 07 19 00-0354	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.71	3.78	
		<i>For Work In Restricted Working Space, Add</i>	2.27		
22 07 19 00-0355	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.39	3.83	
		<i>For Work In Restricted Working Space, Add</i>	2.30		
22 07 19 00-0356	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.14	3.86	
		<i>For Work In Restricted Working Space, Add</i>	2.32		
<b>22 07 19 00-0357</b>		<b>1/2" Wall Flexible Elastomeric Tubing Foam Insulation</b> (22 07 19 00-0338)			
22 07 19 00-0358	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.15	3.50	
		<i>For Work In Restricted Working Space, Add</i>	2.10		
22 07 19 00-0359	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.26	3.50	
		<i>For Work In Restricted Working Space, Add</i>	2.11		
22 07 19 00-0360	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.38	3.56	
		<i>For Work In Restricted Working Space, Add</i>	2.13		
22 07 19 00-0361	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.58	3.56	
		<i>For Work In Restricted Working Space, Add</i>	2.14		
22 07 19 00-0362	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.73	3.56	
		<i>For Work In Restricted Working Space, Add</i>	2.15		
22 07 19 00-0363	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.09	3.66	
		<i>For Work In Restricted Working Space, Add</i>	2.20		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0364 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	9.43	3.73
<i>For Work In Restricted Working Space, Add</i>	2.23	
22 07 19 00-0365 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	9.74	3.78
<i>For Work In Restricted Working Space, Add</i>	2.27	
22 07 19 00-0366 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	10.06	3.81
<i>For Work In Restricted Working Space, Add</i>	2.28	
22 07 19 00-0367 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	10.32	3.83
<i>For Work In Restricted Working Space, Add</i>	2.30	
22 07 19 00-0368 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	11.30	3.90
<i>For Work In Restricted Working Space, Add</i>	2.34	
22 07 19 00-0369 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	11.87	3.95
<i>For Work In Restricted Working Space, Add</i>	2.37	
22 07 19 00-0370 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	12.32	3.98
<i>For Work In Restricted Working Space, Add</i>	2.39	
22 07 19 00-0371 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	12.69	4.00
<i>For Work In Restricted Working Space, Add</i>	2.40	
22 07 19 00-0372 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	12.96	4.04
<i>For Work In Restricted Working Space, Add</i>	2.42	
22 07 19 00-0373 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	13.19	4.06
<i>For Work In Restricted Working Space, Add</i>	2.44	
22 07 19 00-0374 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	14.31	4.11
<i>For Work In Restricted Working Space, Add</i>	2.47	
22 07 19 00-0375 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	14.58	4.14
<i>For Work In Restricted Working Space, Add</i>	2.49	
22 07 19 00-0376 LF 5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	15.67	4.18
<i>For Work In Restricted Working Space, Add</i>	2.50	
22 07 19 00-0377 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	16.95	4.28
<i>For Work In Restricted Working Space, Add</i>	2.57	
22 07 19 00-0378 LF 8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	18.39	4.40
<i>For Work In Restricted Working Space, Add</i>	2.64	
<b>22 07 19 00-0379 3/4" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0338)</b>		
22 07 19 00-0380 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	9.41	3.78
<i>For Work In Restricted Working Space, Add</i>	2.27	
22 07 19 00-0381 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	9.68	3.83
<i>For Work In Restricted Working Space, Add</i>	2.30	
22 07 19 00-0382 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	10.08	3.95
<i>For Work In Restricted Working Space, Add</i>	2.37	
22 07 19 00-0383 LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	10.33	3.98
<i>For Work In Restricted Working Space, Add</i>	2.39	
22 07 19 00-0384 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	10.44	4.00
<i>For Work In Restricted Working Space, Add</i>	2.40	
22 07 19 00-0385 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	11.03	4.11
<i>For Work In Restricted Working Space, Add</i>	2.47	
22 07 19 00-0386 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	11.51	4.18
<i>For Work In Restricted Working Space, Add</i>	2.50	
22 07 19 00-0387 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	12.00	4.23
<i>For Work In Restricted Working Space, Add</i>	2.54	
22 07 19 00-0388 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	12.13	4.23
<i>For Work In Restricted Working Space, Add</i>	2.54	
22 07 19 00-0389 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	12.31	4.26
<i>For Work In Restricted Working Space, Add</i>	2.56	
22 07 19 00-0390 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	12.88	4.28
<i>For Work In Restricted Working Space, Add</i>	2.57	
22 07 19 00-0391 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	13.19	4.33
<i>For Work In Restricted Working Space, Add</i>	2.60	
22 07 19 00-0392 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	13.84	4.37
<i>For Work In Restricted Working Space, Add</i>	2.62	
22 07 19 00-0393 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	14.30	4.40
<i>For Work In Restricted Working Space, Add</i>	2.64	
22 07 19 00-0394 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	14.99	4.43
<i>For Work In Restricted Working Space, Add</i>	2.66	
22 07 19 00-0395 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	15.25	4.45
<i>For Work In Restricted Working Space, Add</i>	2.67	
22 07 19 00-0396 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	16.29	4.51
<i>For Work In Restricted Working Space, Add</i>	2.71	
22 07 19 00-0397 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	17.12	4.54
<i>For Work In Restricted Working Space, Add</i>	2.72	
22 07 19 00-0398 LF 5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	18.52	4.56
<i>For Work In Restricted Working Space, Add</i>	2.74	
22 07 19 00-0399 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	19.99	4.62
<i>For Work In Restricted Working Space, Add</i>	2.77	
22 07 19 00-0400 LF 8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	21.77	4.73
<i>For Work In Restricted Working Space, Add</i>	2.84	
<b>22 07 19 00-0401 1" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0338)</b>		
22 07 19 00-0402 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	11.06	4.16
<i>For Work In Restricted Working Space, Add</i>	2.50	
22 07 19 00-0403 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	11.40	4.23
<i>For Work In Restricted Working Space, Add</i>	2.54	
22 07 19 00-0404 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	11.82	4.33
<i>For Work In Restricted Working Space, Add</i>	2.60	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0405	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.18	4.37	
		<i>For Work In Restricted Working Space, Add</i>	2.62		
22 07 19 00-0406	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.51	4.40	
		<i>For Work In Restricted Working Space, Add</i>	2.64		
22 07 19 00-0407	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	13.06	4.51	
		<i>For Work In Restricted Working Space, Add</i>	2.71		
22 07 19 00-0408	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	13.92	4.62	
		<i>For Work In Restricted Working Space, Add</i>	2.77		
22 07 19 00-0409	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	14.37	4.62	
		<i>For Work In Restricted Working Space, Add</i>	2.81		
22 07 19 00-0410	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	14.97	4.68	
		<i>For Work In Restricted Working Space, Add</i>	2.83		
22 07 19 00-0411	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	15.18	4.73	
		<i>For Work In Restricted Working Space, Add</i>	2.84		
22 07 19 00-0412	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	16.46	4.80	
		<i>For Work In Restricted Working Space, Add</i>	2.88		
22 07 19 00-0413	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	17.46	4.86	
		<i>For Work In Restricted Working Space, Add</i>	2.91		
22 07 19 00-0414	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	18.73	4.89	
		<i>For Work In Restricted Working Space, Add</i>	2.93		
22 07 19 00-0415	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	19.10	4.91	
		<i>For Work In Restricted Working Space, Add</i>	2.94		
22 07 19 00-0416	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	19.76	4.94	
		<i>For Work In Restricted Working Space, Add</i>	2.96		
22 07 19 00-0417	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	20.09	4.96	
		<i>For Work In Restricted Working Space, Add</i>	2.98		
22 07 19 00-0418	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	22.51	5.08	
		<i>For Work In Restricted Working Space, Add</i>	3.04		
22 07 19 00-0419	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	24.16	5.13	
		<i>For Work In Restricted Working Space, Add</i>	3.08		
22 07 19 00-0420	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	26.57	5.19	
		<i>For Work In Restricted Working Space, Add</i>	3.11		
22 07 19 00-0421	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	29.15	5.30	
		<i>For Work In Restricted Working Space, Add</i>	3.18		
<b>22 07 19 00-0422</b>		<b>1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation</b> <small>(22 07 19 00-0338)</small>			
22 07 19 00-0423	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	17.05	4.67	
		<i>For Work In Restricted Working Space, Add</i>	2.80		
22 07 19 00-0424	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	17.48	4.77	
		<i>For Work In Restricted Working Space, Add</i>	2.87		
22 07 19 00-0425	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	17.86	4.80	
		<i>For Work In Restricted Working Space, Add</i>	2.88		
22 07 19 00-0426	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	18.23	4.85	
		<i>For Work In Restricted Working Space, Add</i>	2.90		
22 07 19 00-0427	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	18.74	4.95	
		<i>For Work In Restricted Working Space, Add</i>	2.96		
22 07 19 00-0428	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	19.60	5.13	
		<i>For Work In Restricted Working Space, Add</i>	3.08		
22 07 19 00-0429	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	20.79	5.06	
		<i>For Work In Restricted Working Space, Add</i>	3.10		
22 07 19 00-0430	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	21.83	5.18	
		<i>For Work In Restricted Working Space, Add</i>	3.14		
22 07 19 00-0431	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	22.48	5.30	
		<i>For Work In Restricted Working Space, Add</i>	3.18		
22 07 19 00-0432	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	24.47	5.37	
		<i>For Work In Restricted Working Space, Add</i>	3.21		
22 07 19 00-0433	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	26.36	5.43	
		<i>For Work In Restricted Working Space, Add</i>	3.25		
22 07 19 00-0434	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	27.25	5.45	
		<i>For Work In Restricted Working Space, Add</i>	3.26		
22 07 19 00-0435	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	28.14	5.46	
		<i>For Work In Restricted Working Space, Add</i>	3.29		
22 07 19 00-0436	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	29.17	5.50	
		<i>For Work In Restricted Working Space, Add</i>	3.30		
22 07 19 00-0437	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	29.82	5.52	
		<i>For Work In Restricted Working Space, Add</i>	3.31		
22 07 19 00-0438	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	33.37	5.72	
		<i>For Work In Restricted Working Space, Add</i>	3.42		
22 07 19 00-0439	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	35.27	5.80	
		<i>For Work In Restricted Working Space, Add</i>	3.48		
22 07 19 00-0440	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	39.86	5.89	
		<i>For Work In Restricted Working Space, Add</i>	3.54		
22 07 19 00-0441	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	44.42	6.07	
		<i>For Work In Restricted Working Space, Add</i>	3.64		
<b>22 07 19 00-0442</b>		<b>2" Wall Flexible Elastomeric Tubing Foam Insulation</b> <small>(22 07 19 00-0338)</small>			
22 07 19 00-0443	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	24.84	5.15	
		<i>For Work In Restricted Working Space, Add</i>	3.09		
22 07 19 00-0444	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	25.83	5.23	
		<i>For Work In Restricted Working Space, Add</i>	3.16		
22 07 19 00-0445	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	27.55	5.27	
		<i>For Work In Restricted Working Space, Add</i>	3.17		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0446 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	28.13	5.31
For Work In Restricted Working Space, Add	3.18	
22 07 19 00-0447 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	29.57	5.42
For Work In Restricted Working Space, Add	3.25	
22 07 19 00-0448 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	31.33	5.68
For Work In Restricted Working Space, Add	3.40	
22 07 19 00-0449 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	32.38	5.54
For Work In Restricted Working Space, Add	3.43	
22 07 19 00-0450 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	34.25	5.73
For Work In Restricted Working Space, Add	3.49	
22 07 19 00-0451 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	36.04	5.92
For Work In Restricted Working Space, Add	3.56	
22 07 19 00-0452 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	37.24	6.00
For Work In Restricted Working Space, Add	3.59	
22 07 19 00-0453 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	39.71	6.07
For Work In Restricted Working Space, Add	3.62	
22 07 19 00-0454 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	40.01	6.08
For Work In Restricted Working Space, Add	3.65	
22 07 19 00-0455 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	42.32	6.09
For Work In Restricted Working Space, Add	3.67	
22 07 19 00-0456 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	43.92	6.12
For Work In Restricted Working Space, Add	3.68	
22 07 19 00-0457 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	45.63	6.16
For Work In Restricted Working Space, Add	3.69	
22 07 19 00-0458 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	51.30	6.44
For Work In Restricted Working Space, Add	3.85	
22 07 19 00-0459 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	54.61	6.57
For Work In Restricted Working Space, Add	3.94	
22 07 19 00-0460 LF 5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	55.58	6.70
For Work In Restricted Working Space, Add	4.02	
22 07 19 00-0461 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	62.43	6.97
For Work In Restricted Working Space, Add	4.18	
<b>22 07 19 00-0462 Flexible Polyolefin Tubing Closed Cell Foam Insulation (22 07 19)</b>		
Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
<b>22 07 19 00-0463 3/8" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0462)</b>		
22 07 19 00-0464 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	6.94	3.21
For Work In Restricted Working Space, Add	1.93	
22 07 19 00-0465 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	7.02	3.21
For Work In Restricted Working Space, Add	1.93	
22 07 19 00-0466 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	7.28	3.32
For Work In Restricted Working Space, Add	2.00	
22 07 19 00-0467 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	7.59	3.44
For Work In Restricted Working Space, Add	2.06	
22 07 19 00-0468 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	7.80	3.50
For Work In Restricted Working Space, Add	2.10	
22 07 19 00-0469 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	8.14	3.56
For Work In Restricted Working Space, Add	2.13	
22 07 19 00-0470 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	8.41	3.56
For Work In Restricted Working Space, Add	2.14	
22 07 19 00-0471 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.60	3.66
For Work In Restricted Working Space, Add	2.15	
22 07 19 00-0472 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	9.45	3.66
For Work In Restricted Working Space, Add	2.21	
22 07 19 00-0473 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.22	3.73
For Work In Restricted Working Space, Add	2.25	
22 07 19 00-0474 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	12.16	3.83
For Work In Restricted Working Space, Add	2.30	
<b>22 07 19 00-0475 1/2" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0462)</b>		
22 07 19 00-0476 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	7.77	3.50
For Work In Restricted Working Space, Add	2.10	
22 07 19 00-0477 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	7.85	3.50
For Work In Restricted Working Space, Add	2.11	
22 07 19 00-0478 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.00	3.56
For Work In Restricted Working Space, Add	2.13	
22 07 19 00-0479 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.22	3.56
For Work In Restricted Working Space, Add	2.15	
22 07 19 00-0480 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.48	3.66
For Work In Restricted Working Space, Add	2.20	
22 07 19 00-0481 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	8.86	3.73
For Work In Restricted Working Space, Add	2.23	
22 07 19 00-0482 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	9.29	3.78
For Work In Restricted Working Space, Add	2.27	
22 07 19 00-0483 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.70	3.83
For Work In Restricted Working Space, Add	2.30	
22 07 19 00-0484 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	10.61	3.95
For Work In Restricted Working Space, Add	2.37	
22 07 19 00-0485 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	11.42	4.00
For Work In Restricted Working Space, Add	2.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0486	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.95 2.47	4.11
<b>22 07 19 00-0487</b>			<b>3/4" Wall Flexible Polyolefin Tubing Foam Insulation</b> (22 07 19 00-0462)		
22 07 19 00-0488	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.73 2.27	3.78
22 07 19 00-0489	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.03 2.30	3.83
22 07 19 00-0490	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.39 2.37	3.95
22 07 19 00-0491	LF		2-1/2" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.94 2.40	4.00
22 07 19 00-0492	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.46 2.47	4.11
22 07 19 00-0493	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.36 2.50	4.18
22 07 19 00-0494	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.93 2.52	4.18
22 07 19 00-0495	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.60 2.54	4.23
22 07 19 00-0496	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.88 2.60	4.33
22 07 19 00-0497	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.05 2.64	4.40
22 07 19 00-0498	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	17.28 2.71	4.51
<b>22 07 19 00-0499</b>			<b>1" Wall Flexible Polyolefin Tubing Foam Insulation</b> (22 07 19 00-0462)		
22 07 19 00-0500	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.39 2.50	4.18
22 07 19 00-0501	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.55 2.54	4.23
22 07 19 00-0502	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.91 2.60	4.33
22 07 19 00-0503	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.71 2.64	4.40
22 07 19 00-0504	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.38 2.71	4.51
22 07 19 00-0505	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.06 2.77	4.62
22 07 19 00-0506	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.72 2.81	4.62
22 07 19 00-0507	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.20 2.84	4.73
22 07 19 00-0508	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	17.17 2.91	4.86
22 07 19 00-0509	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	18.58 2.94	4.91
<b>22 07 19 00-0510</b>			<b>Insulation Protective Jacketing</b> (22 07 19) Note: Jacketing only and to be added to insulation prices when required.		
<b>22 07 19 00-0511</b>			<b>Polyvinyl Chloride (PVC) Insulation Protective Jacketing</b> (22 07 19 00-0510)		
<b>22 07 19 00-0512</b>			<b>20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing</b> (22 07 19 00-0511)		
22 07 19 00-0513	LF		1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.79	1.59
22 07 19 00-0514	LF		2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.51	1.65
22 07 19 00-0515	LF		2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.13	1.71
22 07 19 00-0516	LF		3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.89	1.79
22 07 19 00-0517	LF		3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.56	1.86
22 07 19 00-0518	LF		4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.32	1.95
22 07 19 00-0519	LF		4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	12.10	2.05
22 07 19 00-0520	LF		5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	12.86	2.15
22 07 19 00-0521	LF		5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	13.74	2.26
22 07 19 00-0522	LF		6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	14.65	2.39
22 07 19 00-0523	LF		6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	15.34	2.46
22 07 19 00-0524	LF		7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	15.99	2.53
22 07 19 00-0525	LF		7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	16.84	2.62
22 07 19 00-0526	LF		8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	17.39	2.67
22 07 19 00-0527	LF		8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	18.01	2.72
22 07 19 00-0528	LF		9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	18.63	2.77
22 07 19 00-0529	LF		9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	19.27	2.82
22 07 19 00-0530	LF		10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	19.85	2.88
22 07 19 00-0531	LF		10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	20.51	2.94
22 07 19 00-0532	LF		11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	21.17	3.00
22 07 19 00-0533	LF		11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	21.84	3.06
22 07 19 00-0534	LF		12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	22.46	3.13
22 07 19 00-0535	LF		12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	23.22	3.20
22 07 19 00-0536	LF		13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	23.78	3.25
22 07 19 00-0537	LF		13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	24.20	3.25



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0538	LF	14" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	24.81	3.30
22 07 19 00-0539	LF	15" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	25.85	3.35
22 07 19 00-0540	LF	16" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	26.83	3.41
22 07 19 00-0541	LF	17" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	27.88	3.47
22 07 19 00-0542	LF	18" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	28.94	3.52
22 07 19 00-0543	LF	19" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	29.96	3.58
22 07 19 00-0544	LF	20" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	31.03	3.64
22 07 19 00-0545	LF	21" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	32.05	3.70
22 07 19 00-0546	LF	22" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	33.15	3.77
22 07 19 00-0547	LF	23" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	34.18	3.84
22 07 19 00-0548	LF	24" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	35.30	3.90
22 07 19 00-0549	LF	25" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	36.42	3.98
22 07 19 00-0550	LF	26" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	37.49	4.05
22 07 19 00-0551	LF	27" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	38.63	4.13
22 07 19 00-0552	LF	28" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	39.72	4.21
22 07 19 00-0553	LF	29" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	40.90	4.29
22 07 19 00-0554	LF	30" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	42.09	4.38
<b>22 07 19 00-0555 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0511)</b>					
22 07 19 00-0556	LF	2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	9.40	1.65
22 07 19 00-0557	LF	2-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	10.26	1.71
22 07 19 00-0558	LF	3" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	11.19	1.79
22 07 19 00-0559	LF	3-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	12.05	1.86
22 07 19 00-0560	LF	4" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	12.98	1.95
22 07 19 00-0561	LF	4-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	13.95	2.05
22 07 19 00-0562	LF	5" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	14.94	2.15
22 07 19 00-0563	LF	5-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	16.00	2.26
22 07 19 00-0564	LF	6" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	17.09	2.39
22 07 19 00-0565	LF	6-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	17.96	2.46
22 07 19 00-0566	LF	7" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	18.84	2.53
22 07 19 00-0567	LF	7-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	19.87	2.62
22 07 19 00-0568	LF	8" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	20.66	2.67
22 07 19 00-0569	LF	8-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	21.45	2.72
22 07 19 00-0570	LF	9" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	22.26	2.77
22 07 19 00-0571	LF	9-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	23.07	2.82
22 07 19 00-0572	LF	10" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	23.90	2.88
22 07 19 00-0573	LF	10-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	24.73	2.94
22 07 19 00-0574	LF	11" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	25.57	3.00
22 07 19 00-0575	LF	11-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	26.42	3.06
22 07 19 00-0576	LF	12" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	27.28	3.13
22 07 19 00-0577	LF	12-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	28.21	3.20
22 07 19 00-0578	LF	13" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	29.01	3.25
22 07 19 00-0579	LF	13-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	29.61	3.25
22 07 19 00-0580	LF	14" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	30.40	3.30
22 07 19 00-0581	LF	15" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	31.79	3.35
22 07 19 00-0582	LF	16" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	33.19	3.41
22 07 19 00-0583	LF	17" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	34.60	3.47
22 07 19 00-0584	LF	18" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	36.08	3.52
22 07 19 00-0585	LF	19" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	37.51	3.58
22 07 19 00-0586	LF	20" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	38.94	3.64
22 07 19 00-0587	LF	21" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	40.38	3.70
22 07 19 00-0588	LF	22" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	41.83	3.77
22 07 19 00-0589	LF	23" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	43.28	3.84
22 07 19 00-0590	LF	24" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	44.75	3.90
22 07 19 00-0591	LF	25" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	46.29	3.98
22 07 19 00-0592	LF	26" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	47.77	4.05
22 07 19 00-0593	LF	27" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	49.27	4.13
22 07 19 00-0594	LF	28" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	50.78	4.21
22 07 19 00-0595	LF	29" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	52.32	4.29
22 07 19 00-0596	LF	30" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	53.86	4.38
<b>22 07 19 00-0597 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings (22 07 19 00-0511)</b>					
22 07 19 00-0598	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	15.99	3.18	
22 07 19 00-0599	EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	17.26	3.30	
22 07 19 00-0600	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	17.94	3.35	
22 07 19 00-0601	EA	2-1/2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	18.62	3.41	
22 07 19 00-0602	EA	2-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	19.37	3.50	
22 07 19 00-0603	EA	3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	20.03	3.58	
22 07 19 00-0604	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	21.29	3.70	
22 07 19 00-0605	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	22.45	3.80	
22 07 19 00-0606	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	24.78	3.90	
22 07 19 00-0607	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	27.42	4.09	
22 07 19 00-0608	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	30.08	4.29	
22 07 19 00-0609	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	35.09	4.52	
22 07 19 00-0610	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	47.44	4.78	
22 07 19 00-0611	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	49.60	4.94	
22 07 19 00-0612	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	57.61	5.05	
22 07 19 00-0613	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	59.93	5.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0614 EA 8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	71.95	5.37
22 07 19 00-0615 EA 9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	89.73	5.58
22 07 19 00-0616 EA 10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	98.49	5.80
22 07 19 00-0617 EA 11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	110.47	6.04
22 07 19 00-0618 EA 12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	134.19	6.32
22 07 19 00-0619 EA 14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	150.53	6.51
22 07 19 00-0620 EA 15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	160.62	6.71
22 07 19 00-0621 EA 16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	173.29	6.82
22 07 19 00-0622 EA 17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	189.73	6.92
22 07 19 00-0623 EA 18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	237.16	7.04
22 07 19 00-0624 EA 19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	312.37	7.15
22 07 19 00-0625 EA 20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	393.77	7.27
22 07 19 00-0626 EA 1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	15.99	3.18
22 07 19 00-0627 EA 2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	17.26	3.30
22 07 19 00-0628 EA 2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	17.94	3.35
22 07 19 00-0629 EA 2-1/2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	18.62	3.41
22 07 19 00-0630 EA 2-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	19.37	3.50
22 07 19 00-0631 EA 3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	20.03	3.58
22 07 19 00-0632 EA 3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	21.29	3.70
22 07 19 00-0633 EA 3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	22.45	3.80
22 07 19 00-0634 EA 4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	24.78	3.90
22 07 19 00-0635 EA 4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	27.42	4.09
22 07 19 00-0636 EA 5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	30.08	4.29
22 07 19 00-0637 EA 5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	35.09	4.52
22 07 19 00-0638 EA 6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	47.44	4.78
22 07 19 00-0639 EA 6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	49.60	4.94
22 07 19 00-0640 EA 7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	57.61	5.05
22 07 19 00-0641 EA 7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	59.93	5.18
22 07 19 00-0642 EA 8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	71.95	5.37
22 07 19 00-0643 EA 9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	89.73	5.58
22 07 19 00-0644 EA 10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	98.43	5.80
22 07 19 00-0645 EA 11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	107.14	6.04
22 07 19 00-0646 EA 12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	117.84	6.32
22 07 19 00-0647 EA 14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	131.80	6.51
22 07 19 00-0648 EA 15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	140.35	6.71
22 07 19 00-0649 EA 16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	156.88	6.82
22 07 19 00-0650 EA 17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	173.67	6.92
22 07 19 00-0651 EA 18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	206.54	7.04
22 07 19 00-0652 EA 19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	271.94	7.15
22 07 19 00-0653 EA 20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	304.70	7.27
22 07 19 00-0654 EA 1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	24.07	4.47
22 07 19 00-0655 EA 2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	25.29	4.56
22 07 19 00-0656 EA 2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	26.49	4.71
22 07 19 00-0657 EA 2-1/2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	27.83	4.88
22 07 19 00-0658 EA 2-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	29.37	5.05
22 07 19 00-0659 EA 3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	30.87	5.24
22 07 19 00-0660 EA 3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	33.16	5.44
22 07 19 00-0661 EA 3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	35.56	5.65
22 07 19 00-0662 EA 4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	38.87	5.88
22 07 19 00-0663 EA 4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	43.63	6.14
22 07 19 00-0664 EA 5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	48.59	6.41
22 07 19 00-0665 EA 5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	57.76	6.82
22 07 19 00-0666 EA 6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	68.71	7.15
22 07 19 00-0667 EA 6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	78.70	7.27
22 07 19 00-0668 EA 7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	110.28	7.54
22 07 19 00-0669 EA 7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	119.68	7.95
22 07 19 00-0670 EA 8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	139.94	8.26
22 07 19 00-0671 EA 9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	160.40	8.58
22 07 19 00-0672 EA 10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	163.32	8.95
22 07 19 00-0673 EA 11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	178.24	9.14
22 07 19 00-0674 EA 12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	193.18	9.34
22 07 19 00-0675 EA 14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	208.28	9.54
22 07 19 00-0676 EA 15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	223.24	9.76
22 07 19 00-0677 EA 16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	238.35	9.98
22 07 19 00-0678 EA 17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	253.34	10.23
22 07 19 00-0679 EA 18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	275.74	10.48
22 07 19 00-0680 EA 19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	298.08	10.74
22 07 19 00-0681 EA 20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	325.16	11.01
22 07 19 00-0682 EA 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	38.13	3.06
22 07 19 00-0683 EA 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	38.13	3.06
22 07 19 00-0684 EA 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	45.48	3.18
22 07 19 00-0685 EA 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	45.48	3.18
22 07 19 00-0686 EA 2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	64.89	3.30
22 07 19 00-0687 EA 2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	71.12	3.44
22 07 19 00-0688 EA 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	78.60	3.58
22 07 19 00-0689 EA 3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	89.32	3.74
22 07 19 00-0690 EA 4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	98.51	3.90
22 07 19 00-0691 EA 5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	120.22	4.29
22 07 19 00-0692 EA 6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	171.30	4.78
22 07 19 00-0693 EA 8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	187.24	5.37
22 07 19 00-0694 EA 10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	234.99	5.72





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0695	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	330.28	6.32	
22 07 19 00-0696	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	331.99	6.61	
22 07 19 00-0697	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	442.82	6.82	
22 07 19 00-0698	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	599.68	7.04	
22 07 19 00-0699	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	35.28	3.06	
22 07 19 00-0700	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	35.28	3.06	
22 07 19 00-0701	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	42.03	3.18	
22 07 19 00-0702	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	42.03	3.18	
22 07 19 00-0703	EA	2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	59.24	3.30	
22 07 19 00-0704	EA	2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	64.82	3.44	
22 07 19 00-0705	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	71.70	3.58	
22 07 19 00-0706	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	75.47	3.74	
22 07 19 00-0707	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	89.35	3.90	
22 07 19 00-0708	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	108.87	4.29	
22 07 19 00-0709	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	154.59	4.78	
22 07 19 00-0710	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	168.93	5.37	
22 07 19 00-0711	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	211.68	5.72	
22 07 19 00-0712	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	296.93	6.32	
22 07 19 00-0713	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	379.79	6.61	
22 07 19 00-0714	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	455.36	6.82	
22 07 19 00-0715	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	533.44	7.04	
22 07 19 00-0716	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	52.18	4.61	
22 07 19 00-0717	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	52.18	4.61	
22 07 19 00-0718	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	61.65	4.78	
22 07 19 00-0719	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	61.65	4.78	
22 07 19 00-0720	EA	2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	86.88	4.94	
22 07 19 00-0721	EA	2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	95.13	5.11	
22 07 19 00-0722	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	105.01	5.37	
22 07 19 00-0723	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	110.83	5.58	
22 07 19 00-0724	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	131.63	5.88	
22 07 19 00-0725	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	144.74	6.41	
22 07 19 00-0726	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	204.81	7.15	
22 07 19 00-0727	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	222.78	7.95	
22 07 19 00-0728	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	310.12	8.58	
22 07 19 00-0729	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	433.75	9.34	
22 07 19 00-0730	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	518.76	9.98	
22 07 19 00-0731	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	615.26	10.23	
22 07 19 00-0732	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	674.65	10.48	

**22 07 19 00-0733 Aluminum Insulation Protective Jacketing With Bands** (22 07 19 00-0510)

**22 07 19 00-0734 Aluminum Roll, Insulation Protective Jacketing With Bands** (22 07 19 00-0733)

22 07 19 00-0735	SF	0.006" Aluminum Insulation Jacket With Bands	16.31	6.87
22 07 19 00-0736	SF	0.010" Aluminum Insulation Jacket With Bands	16.64	6.87
22 07 19 00-0737	SF	0.016" Aluminum Insulation Jacket With Bands	16.95	6.87
22 07 19 00-0738	SF	0.020" Aluminum Insulation Jacket With Bands	17.24	6.87
22 07 19 00-0739	SF	0.024" Aluminum Insulation Jacket With Bands	17.51	6.87

**22 07 19 00-0740 16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands** (22 07 19 00-0733)

22 07 19 00-0741	LF	1/2" ID, 0.016" Aluminum Insulation Jacketing	8.25	1.95
		For Stucco Embossed, Add	0.00	
		For Corrugated, Add	0.01	
22 07 19 00-0742	LF	3/4" ID, 0.016" Aluminum Insulation Jacketing	8.56	1.99
		For Stucco Embossed, Add	0.01	
		For Corrugated, Add	0.01	
22 07 19 00-0743	LF	1" ID, 0.016" Aluminum Insulation Jacketing	8.88	2.05
		For Stucco Embossed, Add	0.01	
		For Corrugated, Add	0.02	
22 07 19 00-0744	LF	1-1/4" ID, 0.016" Aluminum Insulation Jacketing	9.22	2.10
		For Stucco Embossed, Add	0.01	
		For Corrugated, Add	0.02	
22 07 19 00-0745	LF	1-1/2" ID, 0.016" Aluminum Insulation Jacketing	9.47	2.13
		For Stucco Embossed, Add	0.01	
		For Corrugated, Add	0.02	
22 07 19 00-0746	LF	1-3/4" ID, 0.016" Aluminum Insulation Jacketing	9.73	2.16
		For Stucco Embossed, Add	0.01	
		For Corrugated, Add	0.03	
22 07 19 00-0747	LF	2" ID, 0.016" Aluminum Insulation Jacketing	10.03	2.21
		For Stucco Embossed, Add	0.01	
		For Corrugated, Add	0.03	
22 07 19 00-0748	LF	2-1/4" ID, 0.016" Aluminum Insulation Jacketing	10.36	2.25
		For Stucco Embossed, Add	0.01	
		For Corrugated, Add	0.03	
22 07 19 00-0749	LF	2-1/2" ID, 0.016" Aluminum Insulation Jacketing	10.70	2.30
		For Stucco Embossed, Add	0.02	
		For Corrugated, Add	0.04	
22 07 19 00-0750	LF	2-3/4" ID, 0.016" Aluminum Insulation Jacketing	10.98	2.34
		For Stucco Embossed, Add	0.02	
		For Corrugated, Add	0.04	

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0751	LF		3" ID, 0.016" Aluminum Insulation Jacketing.....	11.33	2.39
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0752	LF		3-1/4" ID, 0.016" Aluminum Insulation Jacketing .....	11.68	2.44
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0753	LF		3-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	12.03	2.50
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0754	LF		3-3/4" ID, 0.016" Aluminum Insulation Jacketing .....	12.35	2.54
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0755	LF		4" ID, 0.016" Aluminum Insulation Jacketing.....	12.72	2.60
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0756	LF		4-1/4" ID, 0.016" Aluminum Insulation Jacketing .....	13.11	2.67
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0757	LF		4-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	13.53	2.73
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0758	LF		4-3/4" ID, 0.016" Aluminum Insulation Jacketing .....	13.87	2.79
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0759	LF		5" ID, 0.016" Aluminum Insulation Jacketing.....	14.30	2.86
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0760	LF		5-1/4" ID, 0.016" Aluminum Insulation Jacketing .....	14.75	2.94
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0761	LF		5-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	15.12	3.00
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0762	LF		5-3/4" ID, 0.016" Aluminum Insulation Jacketing .....	15.62	3.09
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0763	LF		6" ID, 0.016" Aluminum Insulation Jacketing.....	16.11	3.18
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0764	LF		6-1/4" ID, 0.016" Aluminum Insulation Jacketing .....	16.44	3.22
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0765	LF		6-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	16.76	3.27
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0766	LF		7" ID, 0.016" Aluminum Insulation Jacketing.....	17.32	3.35
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0767	LF		7-1/4" ID, 0.016" Aluminum Insulation Jacketing .....	17.77	3.44
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0768	LF		7-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	18.12	3.50
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0769	LF		8" ID, 0.016" Aluminum Insulation Jacketing.....	18.62	3.56
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0770	LF		8-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	19.13	3.61
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0771	LF		9" ID, 0.016" Aluminum Insulation Jacketing.....	19.76	3.70
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0772	LF		9-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	20.30	3.77
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0773	LF		10" ID, 0.016" Aluminum Insulation Jacketing.....	20.82	3.84
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0774	LF		10-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	21.37	3.90
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0775	LF		11" ID, 0.0106 Aluminum Insulation Jacketing.....	22.06	4.01
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0776	LF		11-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	22.65	4.09
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0777	LF		12" ID, 0.016" Aluminum Insulation Jacketing.....	23.22	4.17
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0778	LF		12-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	24.00	4.29
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0779 LF 13" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.43 0.07 0.18	4.34
22 07 19 00-0780 LF 14" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.15 0.08 0.19	4.38
22 07 19 00-0781 LF 15" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.03 0.08 0.20	4.47
22 07 19 00-0782 LF 16" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.76 0.09 0.22	4.52
22 07 19 00-0783 LF 17" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.68 0.09 0.23	4.61
22 07 19 00-0784 LF 18" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.24 0.10 0.24	4.66
22 07 19 00-0785 LF 19" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.35 0.10 0.26	4.78
22 07 19 00-0786 LF 20" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.11 0.11 0.27	4.83
22 07 19 00-0787 LF 21" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.09 0.11 0.28	4.94
22 07 19 00-0788 LF 22" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.83 0.12 0.30	5.00
22 07 19 00-0789 LF 23" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.85 0.12 0.31	5.11
22 07 19 00-0790 LF 24" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.62 0.13 0.32	5.18
<b>22 07 19 00-0791 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands</b> <small>(22 07 19 00-0733)</small>		
22 07 19 00-0792 LF 1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.14 0.01 0.01	2.15
22 07 19 00-0793 LF 3/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.51 0.01 0.02	2.20
22 07 19 00-0794 LF 1" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.89 0.01 0.02	2.25
22 07 19 00-0795 LF 1-1/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.28 0.01 0.03	2.31
22 07 19 00-0796 LF 1-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.58 0.01 0.03	2.34
22 07 19 00-0797 LF 1-3/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.88 0.01 0.03	2.38
22 07 19 00-0798 LF 2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.25 0.02 0.04	2.42
22 07 19 00-0799 LF 2-1/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.62 0.02 0.04	2.47
22 07 19 00-0800 LF 2-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.01 0.02 0.05	2.53
22 07 19 00-0801 LF 2-3/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.35 0.02 0.05	2.57
22 07 19 00-0802 LF 3" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.77 0.02 0.06	2.62
22 07 19 00-0803 LF 3-1/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.17 0.02 0.06	2.68
22 07 19 00-0804 LF 3-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.58 0.03 0.07	2.75
22 07 19 00-0805 LF 3-3/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.95 0.03 0.07	2.79
22 07 19 00-0806 LF 4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.38 0.03 0.07	2.86

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0807	LF		4-1/4" ID, 0.020" Aluminum Insulation Jacketing .....	14.84	2.93
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0808	LF		4-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	15.33	3.01
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0809	LF		4-3/4" ID, 0.020" Aluminum Insulation Jacketing .....	15.72	3.06
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.09	
22 07 19 00-0810	LF		5" ID, 0.020" Aluminum Insulation Jacketing.....	16.21	3.15
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.09	
22 07 19 00-0811	LF		5-1/4" ID, 0.020" Aluminum Insulation Jacketing .....	16.74	3.23
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.09	
22 07 19 00-0812	LF		5-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	17.17	3.30
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0813	LF		5-3/4" ID, 0.020" Aluminum Insulation Jacketing .....	17.73	3.40
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0814	LF		6" ID, 0.020" Aluminum Insulation Jacketing.....	18.30	3.50
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.11	
22 07 19 00-0815	LF		6-1/4" ID, 0.020" Aluminum Insulation Jacketing .....	18.67	3.56
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.11	
22 07 19 00-0816	LF		6-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	19.07	3.61
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.12	
22 07 19 00-0817	LF		7" ID, 0.020" Aluminum Insulation Jacketing.....	19.71	3.69
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.12	
22 07 19 00-0818	LF		7-1/4" ID, 0.020" Aluminum Insulation Jacketing .....	20.23	3.78
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.13	
22 07 19 00-0819	LF		7-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	20.65	3.84
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.13	
22 07 19 00-0820	LF		8" ID, 0.020" Aluminum Insulation Jacketing.....	21.25	3.91
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.14	
22 07 19 00-0821	LF		8-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	21.83	3.97
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.15	
22 07 19 00-0822	LF		9" ID, 0.020" Aluminum Insulation Jacketing.....	22.57	4.07
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.16	
22 07 19 00-0823	LF		9-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	23.21	4.14
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.17	
22 07 19 00-0824	LF		10" ID, 0.020" Aluminum Insulation Jacketing.....	23.84	4.22
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.17	
22 07 19 00-0825	LF		10-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	24.48	4.29
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.18	
22 07 19 00-0826	LF		11" ID, 0.0106 Aluminum Insulation Jacketing.....	25.30	4.41
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.19	
22 07 19 00-0827	LF		11-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	25.98	4.50
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.20	
22 07 19 00-0828	LF		12" ID, 0.020" Aluminum Insulation Jacketing.....	26.67	4.58
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.21	
22 07 19 00-0829	LF		12-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	27.55	4.72
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.22	
22 07 19 00-0830	LF		13" ID, 0.020" Aluminum Insulation Jacketing.....	28.07	4.78
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.22	
22 07 19 00-0831	LF		14" ID, 0.020" Aluminum Insulation Jacketing.....	28.96	4.82
			For Stucco Embossed, Add	0.10	
			For Corrugated, Add	0.24	
22 07 19 00-0832	LF		15" ID, 0.020" Aluminum Insulation Jacketing.....	30.03	4.92
			For Stucco Embossed, Add	0.10	
			For Corrugated, Add	0.26	
22 07 19 00-0833	LF		16" ID, 0.020" Aluminum Insulation Jacketing.....	30.92	4.98
			For Stucco Embossed, Add	0.11	
			For Corrugated, Add	0.28	
22 07 19 00-0834	LF		17" ID, 0.020" Aluminum Insulation Jacketing.....	32.01	5.08
			For Stucco Embossed, Add	0.12	
			For Corrugated, Add	0.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0835 LF 18" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.68 0.12 0.30	5.14
22 07 19 00-0836 LF 19" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.04 0.13 0.33	5.25
22 07 19 00-0837 LF 20" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.96 0.14 0.34	5.31
22 07 19 00-0838 LF 21" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	36.12 0.14 0.36	5.43
22 07 19 00-0839 LF 22" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	37.03 0.15 0.38	5.49
22 07 19 00-0840 LF 23" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	38.25 0.16 0.39	5.62
22 07 19 00-0841 LF 24" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	39.19 0.16 0.41	5.69
 <b>22 07 19 00-0842 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0733)</small></b>		
22 07 19 00-0843 LF 1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.04 0.01 0.02	2.34
22 07 19 00-0844 LF 3/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.46 0.01 0.02	2.40
22 07 19 00-0845 LF 1" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.88 0.01 0.03	2.46
22 07 19 00-0846 LF 1-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.32 0.01 0.03	2.52
22 07 19 00-0847 LF 1-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.68 0.01 0.04	2.55
22 07 19 00-0848 LF 1-3/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.03 0.02 0.04	2.59
22 07 19 00-0849 LF 2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.44 0.02 0.05	2.64
22 07 19 00-0850 LF 2-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.86 0.02 0.05	2.70
22 07 19 00-0851 LF 2-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.31 0.02 0.06	2.76
22 07 19 00-0852 LF 2-3/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.69 0.02 0.06	2.80
22 07 19 00-0853 LF 3" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.16 0.03 0.07	2.86
22 07 19 00-0854 LF 3-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.62 0.03 0.07	2.93
22 07 19 00-0855 LF 3-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.09 0.03 0.08	2.99
22 07 19 00-0856 LF 3-3/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.51 0.03 0.08	3.05
22 07 19 00-0857 LF 4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.00 0.04 0.09	3.12
22 07 19 00-0858 LF 4-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.51 0.04 0.09	3.20
22 07 19 00-0859 LF 4-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.06 0.04 0.10	3.28
22 07 19 00-0860 LF 4-3/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.52 0.04 0.10	3.34
22 07 19 00-0861 LF 5" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.07 0.04 0.11	3.44
22 07 19 00-0862 LF 5-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.64 0.05 0.11	3.53

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0863	LF		5-1/2" ID, 0.024" Aluminum Insulation Jacketing .....	19.15	3.61
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0864	LF		5-3/4" ID, 0.024" Aluminum Insulation Jacketing .....	19.79	3.71
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0865	LF		6" ID, 0.024" Aluminum Insulation Jacketing.....	20.43	3.82
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0866	LF		6-1/4" ID, 0.024" Aluminum Insulation Jacketing .....	20.84	3.88
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0867	LF		6-1/2" ID, 0.024" Aluminum Insulation Jacketing .....	21.29	3.93
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0868	LF		7" ID, 0.024" Aluminum Insulation Jacketing.....	22.03	4.03
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0869	LF		7-1/4" ID, 0.024" Aluminum Insulation Jacketing .....	22.62	4.12
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0870	LF		7-1/2" ID, 0.024" Aluminum Insulation Jacketing .....	23.08	4.19
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0871	LF		8" ID, 0.024" Aluminum Insulation Jacketing.....	23.77	4.26
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0872	LF		8-1/2" ID, 0.024" Aluminum Insulation Jacketing .....	24.44	4.33
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.18	
22 07 19 00-0873	LF		9" ID, 0.024" Aluminum Insulation Jacketing.....	25.29	4.44
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.19	
22 07 19 00-0874	LF		9-1/2" ID, 0.024" Aluminum Insulation Jacketing .....	26.02	4.52
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.20	
22 07 19 00-0875	LF		10" ID, 0.024" Aluminum Insulation Jacketing.....	26.75	4.60
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.21	
22 07 19 00-0876	LF		10-1/2" ID, 0.024" Aluminum Insulation Jacketing .....	27.48	4.68
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.22	
22 07 19 00-0877	LF		11" ID, 0.0106 Aluminum Insulation Jacketing.....	28.40	4.82
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.23	
22 07 19 00-0878	LF		11-1/2" ID, 0.024" Aluminum Insulation Jacketing .....	29.18	4.91
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.24	
22 07 19 00-0879	LF		12" ID, 0.024" Aluminum Insulation Jacketing.....	29.97	5.01
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.25	
22 07 19 00-0880	LF		12-1/2" ID, 0.024" Aluminum Insulation Jacketing .....	30.97	5.15
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.26	
22 07 19 00-0881	LF		13" ID, 0.024" Aluminum Insulation Jacketing.....	31.58	5.21
			<i>For Stucco Embossed, Add</i>	0.11	
			<i>For Corrugated, Add</i>	0.27	
22 07 19 00-0882	LF		14" ID, 0.024" Aluminum Insulation Jacketing.....	32.62	5.26
			<i>For Stucco Embossed, Add</i>	0.12	
			<i>For Corrugated, Add</i>	0.29	
22 07 19 00-0883	LF		15" ID, 0.024" Aluminum Insulation Jacketing.....	33.85	5.37
			<i>For Stucco Embossed, Add</i>	0.12	
			<i>For Corrugated, Add</i>	0.31	
22 07 19 00-0884	LF		16" ID, 0.024" Aluminum Insulation Jacketing.....	34.90	5.42
			<i>For Stucco Embossed, Add</i>	0.13	
			<i>For Corrugated, Add</i>	0.33	
22 07 19 00-0885	LF		17" ID, 0.024" Aluminum Insulation Jacketing.....	36.16	5.54
			<i>For Stucco Embossed, Add</i>	0.14	
			<i>For Corrugated, Add</i>	0.35	
22 07 19 00-0886	LF		18" ID, 0.024" Aluminum Insulation Jacketing.....	36.95	5.60
			<i>For Stucco Embossed, Add</i>	0.15	
			<i>For Corrugated, Add</i>	0.36	
22 07 19 00-0887	LF		19" ID, 0.024" Aluminum Insulation Jacketing.....	38.51	5.72
			<i>For Stucco Embossed, Add</i>	0.16	
			<i>For Corrugated, Add</i>	0.39	
22 07 19 00-0888	LF		20" ID, 0.024" Aluminum Insulation Jacketing.....	39.60	5.79
			<i>For Stucco Embossed, Add</i>	0.16	
			<i>For Corrugated, Add</i>	0.41	
22 07 19 00-0889	LF		21" ID, 0.024" Aluminum Insulation Jacketing.....	40.92	5.92
			<i>For Stucco Embossed, Add</i>	0.17	
			<i>For Corrugated, Add</i>	0.43	
22 07 19 00-0890	LF		22" ID, 0.024" Aluminum Insulation Jacketing.....	42.00	5.99
			<i>For Stucco Embossed, Add</i>	0.18	
			<i>For Corrugated, Add</i>	0.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0891 LF 23" ID, 0.024" Aluminum Insulation Jacketing .....	43.39	6.14
<i>For Stucco Embossed, Add</i>	0.19	
<i>For Corrugated, Add</i>	0.47	
22 07 19 00-0892 LF 24" ID, 0.024" Aluminum Insulation Jacketing .....	44.48	6.21
<i>For Stucco Embossed, Add</i>	0.20	
<i>For Corrugated, Add</i>	0.49	
<b>22 07 19 00-0893 32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands</b> <small>(22 07 19 00-0733)</small>		
22 07 19 00-0894 LF 1/2" ID, 0.032" Aluminum Insulation Jacketing .....	11.29	2.60
<i>For Stucco Embossed, Add</i>	0.01	
<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0895 LF 3/4" ID, 0.032" Aluminum Insulation Jacketing .....	11.80	2.66
<i>For Stucco Embossed, Add</i>	0.01	
<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0896 LF 1" ID, 0.032" Aluminum Insulation Jacketing .....	12.32	2.72
<i>For Stucco Embossed, Add</i>	0.01	
<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0897 LF 1-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	12.84	2.79
<i>For Stucco Embossed, Add</i>	0.02	
<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0898 LF 1-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	13.28	2.83
<i>For Stucco Embossed, Add</i>	0.02	
<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0899 LF 1-3/4" ID, 0.032" Aluminum Insulation Jacketing .....	13.71	2.87
<i>For Stucco Embossed, Add</i>	0.02	
<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0900 LF 2" ID, 0.032" Aluminum Insulation Jacketing .....	14.23	2.93
<i>For Stucco Embossed, Add</i>	0.03	
<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0901 LF 2-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	14.73	2.99
<i>For Stucco Embossed, Add</i>	0.03	
<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0902 LF 2-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	15.29	3.05
<i>For Stucco Embossed, Add</i>	0.03	
<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0903 LF 2-3/4" ID, 0.032" Aluminum Insulation Jacketing .....	15.75	3.10
<i>For Stucco Embossed, Add</i>	0.03	
<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0904 LF 3" ID, 0.032" Aluminum Insulation Jacketing .....	16.33	3.17
<i>For Stucco Embossed, Add</i>	0.04	
<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0905 LF 3-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	16.89	3.24
<i>For Stucco Embossed, Add</i>	0.04	
<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0906 LF 3-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	17.46	3.32
<i>For Stucco Embossed, Add</i>	0.04	
<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0907 LF 3-3/4" ID, 0.032" Aluminum Insulation Jacketing .....	17.97	3.37
<i>For Stucco Embossed, Add</i>	0.04	
<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0908 LF 4" ID, 0.032" Aluminum Insulation Jacketing .....	18.55	3.47
<i>For Stucco Embossed, Add</i>	0.05	
<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0909 LF 4-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	19.16	3.55
<i>For Stucco Embossed, Add</i>	0.05	
<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0910 LF 4-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	19.83	3.64
<i>For Stucco Embossed, Add</i>	0.05	
<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0911 LF 4-3/4" ID, 0.032" Aluminum Insulation Jacketing .....	20.38	3.71
<i>For Stucco Embossed, Add</i>	0.06	
<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0912 LF 5" ID, 0.032" Aluminum Insulation Jacketing .....	21.05	3.81
<i>For Stucco Embossed, Add</i>	0.06	
<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0913 LF 5-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	21.73	3.91
<i>For Stucco Embossed, Add</i>	0.06	
<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0914 LF 5-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	22.33	3.99
<i>For Stucco Embossed, Add</i>	0.06	
<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0915 LF 5-3/4" ID, 0.032" Aluminum Insulation Jacketing .....	23.08	4.11
<i>For Stucco Embossed, Add</i>	0.07	
<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0916 LF 6" ID, 0.032" Aluminum Insulation Jacketing .....	23.84	4.23
<i>For Stucco Embossed, Add</i>	0.07	
<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0917 LF 6-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	24.37	4.29
<i>For Stucco Embossed, Add</i>	0.07	
<i>For Corrugated, Add</i>	0.18	
22 07 19 00-0918 LF 6-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	24.89	4.36
<i>For Stucco Embossed, Add</i>	0.07	
<i>For Corrugated, Add</i>	0.19	

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0919	LF		7" ID, 0.032" Aluminum Insulation Jacketing.....	25.80	4.46
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.20	
22 07 19 00-0920	LF		7-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	26.49	4.57
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.21	
22 07 19 00-0921	LF		7-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	27.07	4.64
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.21	
22 07 19 00-0922	LF		8" ID, 0.032" Aluminum Insulation Jacketing.....	27.91	4.72
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.23	
22 07 19 00-0923	LF		8-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	28.75	4.80
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.24	
22 07 19 00-0924	LF		9" ID, 0.032" Aluminum Insulation Jacketing.....	29.79	4.93
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.25	
22 07 19 00-0925	LF		9-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	30.70	5.01
			<i>For Stucco Embossed, Add</i>	0.11	
			<i>For Corrugated, Add</i>	0.27	
22 07 19 00-0926	LF		10" ID, 0.032" Aluminum Insulation Jacketing.....	31.60	5.10
			<i>For Stucco Embossed, Add</i>	0.11	
			<i>For Corrugated, Add</i>	0.28	
22 07 19 00-0927	LF		10-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	32.49	5.19
			<i>For Stucco Embossed, Add</i>	0.12	
			<i>For Corrugated, Add</i>	0.29	
22 07 19 00-0928	LF		11" ID, 0.0106 Aluminum Insulation Jacketing.....	33.62	5.34
			<i>For Stucco Embossed, Add</i>	0.12	
			<i>For Corrugated, Add</i>	0.31	
22 07 19 00-0929	LF		11-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	34.59	5.44
			<i>For Stucco Embossed, Add</i>	0.13	
			<i>For Corrugated, Add</i>	0.32	
22 07 19 00-0930	LF		12" ID, 0.032" Aluminum Insulation Jacketing.....	35.55	5.54
			<i>For Stucco Embossed, Add</i>	0.13	
			<i>For Corrugated, Add</i>	0.33	
22 07 19 00-0931	LF		12-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	36.75	5.71
			<i>For Stucco Embossed, Add</i>	0.14	
			<i>For Corrugated, Add</i>	0.35	
22 07 19 00-0932	LF		13" ID, 0.032" Aluminum Insulation Jacketing.....	37.52	5.77
			<i>For Stucco Embossed, Add</i>	0.14	
			<i>For Corrugated, Add</i>	0.36	
22 07 19 00-0933	LF		14" ID, 0.032" Aluminum Insulation Jacketing.....	38.85	5.82
			<i>For Stucco Embossed, Add</i>	0.16	
			<i>For Corrugated, Add</i>	0.39	
22 07 19 00-0934	LF		15" ID, 0.032" Aluminum Insulation Jacketing.....	40.41	5.95
			<i>For Stucco Embossed, Add</i>	0.17	
			<i>For Corrugated, Add</i>	0.42	
22 07 19 00-0935	LF		16" ID, 0.032" Aluminum Insulation Jacketing.....	41.76	6.01
			<i>For Stucco Embossed, Add</i>	0.18	
			<i>For Corrugated, Add</i>	0.44	
22 07 19 00-0936	LF		17" ID, 0.032" Aluminum Insulation Jacketing.....	43.34	6.15
			<i>For Stucco Embossed, Add</i>	0.19	
			<i>For Corrugated, Add</i>	0.47	
22 07 19 00-0937	LF		18" ID, 0.032" Aluminum Insulation Jacketing.....	44.35	6.21
			<i>For Stucco Embossed, Add</i>	0.20	
			<i>For Corrugated, Add</i>	0.49	
22 07 19 00-0938	LF		19" ID, 0.032" Aluminum Insulation Jacketing.....	46.35	6.35
			<i>For Stucco Embossed, Add</i>	0.21	
			<i>For Corrugated, Add</i>	0.52	
22 07 19 00-0939	LF		20" ID, 0.032" Aluminum Insulation Jacketing.....	47.73	6.42
			<i>For Stucco Embossed, Add</i>	0.22	
			<i>For Corrugated, Add</i>	0.55	
22 07 19 00-0940	LF		21" ID, 0.032" Aluminum Insulation Jacketing.....	49.38	6.57
			<i>For Stucco Embossed, Add</i>	0.23	
			<i>For Corrugated, Add</i>	0.58	
22 07 19 00-0941	LF		22" ID, 0.032" Aluminum Insulation Jacketing.....	50.77	6.64
			<i>For Stucco Embossed, Add</i>	0.24	
			<i>For Corrugated, Add</i>	0.61	
22 07 19 00-0942	LF		23" ID, 0.032" Aluminum Insulation Jacketing.....	52.50	6.80
			<i>For Stucco Embossed, Add</i>	0.25	
			<i>For Corrugated, Add</i>	0.63	
22 07 19 00-0943	LF		24" ID, 0.032" Aluminum Insulation Jacketing.....	53.89	6.88
			<i>For Stucco Embossed, Add</i>	0.26	
			<i>For Corrugated, Add</i>	0.66	
22 07 19 00-0944			<b>40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands</b> <small>(22 07 19 00-0733)</small>		
22 07 19 00-0945	LF		1/2" ID, 0.040" Aluminum Insulation Jacketing.....	13.08	2.98
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0946	LF		3/4" ID, 0.040" Aluminum Insulation Jacketing.....	13.69	3.05
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.04	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0947 LF 1" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.31 0.02 0.05	3.13
22 07 19 00-0948 LF 1-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.95 0.02 0.05	3.20
22 07 19 00-0949 LF 1-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.48 0.02 0.06	3.25
22 07 19 00-0950 LF 1-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.02 0.03 0.07	3.30
22 07 19 00-0951 LF 2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.63 0.03 0.08	3.36
22 07 19 00-0952 LF 2-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.24 0.03 0.09	3.44
22 07 19 00-0953 LF 2-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.91 0.04 0.10	3.52
22 07 19 00-0954 LF 2-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.48 0.04 0.10	3.57
22 07 19 00-0955 LF 3" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.17 0.05 0.11	3.65
22 07 19 00-0956 LF 3-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.84 0.05 0.12	3.74
22 07 19 00-0957 LF 3-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.52 0.05 0.13	3.82
22 07 19 00-0958 LF 3-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.12 0.06 0.14	3.89
22 07 19 00-0959 LF 4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.84 0.06 0.15	3.98
22 07 19 00-0960 LF 4-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.57 0.06 0.16	4.08
22 07 19 00-0961 LF 4-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.36 0.07 0.17	4.18
22 07 19 00-0962 LF 4-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.03 0.07 0.17	4.26
22 07 19 00-0963 LF 5" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.82 0.07 0.18	4.38
22 07 19 00-0964 LF 5-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.63 0.08 0.19	4.50
22 07 19 00-0965 LF 5-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.35 0.08 0.20	4.59
22 07 19 00-0966 LF 5-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.26 0.08 0.21	4.72
22 07 19 00-0967 LF 6" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.14 0.09 0.22	4.87
22 07 19 00-0968 LF 6-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.78 0.09 0.23	4.94
22 07 19 00-0969 LF 6-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.41 0.09 0.23	5.02
22 07 19 00-0970 LF 7" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.51 0.10 0.25	5.13
22 07 19 00-0971 LF 7-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.35 0.10 0.26	5.26
22 07 19 00-0972 LF 7-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.02 0.11 0.27	5.34
22 07 19 00-0973 LF 8" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.05 0.11 0.28	5.43
22 07 19 00-0974 LF 8-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.08 0.12 0.30	5.52

**22 Plumbing**  
**22 07 Plumbing Insulation**  
**22 07 19 Plumbing Piping Insulation**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0975	LF		9" ID, 0.040" Aluminum Insulation Jacketing.....	35.33	5.66
			<i>For Stucco Embossed, Add</i>	0.13	
			<i>For Corrugated, Add</i>	0.32	
22 07 19 00-0976	LF		9-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	36.43	5.76
			<i>For Stucco Embossed, Add</i>	0.13	
			<i>For Corrugated, Add</i>	0.33	
22 07 19 00-0977	LF		10" ID, 0.040" Aluminum Insulation Jacketing.....	37.51	5.86
			<i>For Stucco Embossed, Add</i>	0.14	
			<i>For Corrugated, Add</i>	0.35	
22 07 19 00-0978	LF		10-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	38.61	5.97
			<i>For Stucco Embossed, Add</i>	0.15	
			<i>For Corrugated, Add</i>	0.37	
22 07 19 00-0979	LF		11" ID, 0.0106 Aluminum Insulation Jacketing.....	39.95	6.14
			<i>For Stucco Embossed, Add</i>	0.15	
			<i>For Corrugated, Add</i>	0.38	
22 07 19 00-0980	LF		11-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	41.13	6.26
			<i>For Stucco Embossed, Add</i>	0.16	
			<i>For Corrugated, Add</i>	0.40	
22 07 19 00-0981	LF		12" ID, 0.040" Aluminum Insulation Jacketing.....	42.30	6.38
			<i>For Stucco Embossed, Add</i>	0.17	
			<i>For Corrugated, Add</i>	0.42	
22 07 19 00-0982	LF		12-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	43.73	6.57
			<i>For Stucco Embossed, Add</i>	0.17	
			<i>For Corrugated, Add</i>	0.44	
22 07 19 00-0983	LF		13" ID, 0.040" Aluminum Insulation Jacketing.....	44.67	6.64
			<i>For Stucco Embossed, Add</i>	0.18	
			<i>For Corrugated, Add</i>	0.45	
22 07 19 00-0984	LF		14" ID, 0.040" Aluminum Insulation Jacketing.....	46.32	6.70
			<i>For Stucco Embossed, Add</i>	0.20	
			<i>For Corrugated, Add</i>	0.49	
22 07 19 00-0985	LF		15" ID, 0.040" Aluminum Insulation Jacketing.....	48.22	6.84
			<i>For Stucco Embossed, Add</i>	0.21	
			<i>For Corrugated, Add</i>	0.52	
22 07 19 00-0986	LF		16" ID, 0.040" Aluminum Insulation Jacketing.....	49.89	6.91
			<i>For Stucco Embossed, Add</i>	0.22	
			<i>For Corrugated, Add</i>	0.56	
22 07 19 00-0987	LF		17" ID, 0.040" Aluminum Insulation Jacketing.....	51.83	7.06
			<i>For Stucco Embossed, Add</i>	0.24	
			<i>For Corrugated, Add</i>	0.59	
22 07 19 00-0988	LF		18" ID, 0.040" Aluminum Insulation Jacketing.....	53.05	7.14
			<i>For Stucco Embossed, Add</i>	0.24	
			<i>For Corrugated, Add</i>	0.61	
22 07 19 00-0989	LF		19" ID, 0.040" Aluminum Insulation Jacketing.....	55.50	7.30
			<i>For Stucco Embossed, Add</i>	0.26	
			<i>For Corrugated, Add</i>	0.66	
22 07 19 00-0990	LF		20" ID, 0.040" Aluminum Insulation Jacketing.....	57.21	7.38
			<i>For Stucco Embossed, Add</i>	0.28	
			<i>For Corrugated, Add</i>	0.69	
22 07 19 00-0991	LF		21" ID, 0.040" Aluminum Insulation Jacketing.....	59.22	7.56
			<i>For Stucco Embossed, Add</i>	0.29	
			<i>For Corrugated, Add</i>	0.73	
22 07 19 00-0992	LF		22" ID, 0.040" Aluminum Insulation Jacketing.....	60.93	7.64
			<i>For Stucco Embossed, Add</i>	0.30	
			<i>For Corrugated, Add</i>	0.76	
22 07 19 00-0993	LF		23" ID, 0.040" Aluminum Insulation Jacketing.....	63.03	7.82
			<i>For Stucco Embossed, Add</i>	0.32	
			<i>For Corrugated, Add</i>	0.79	
22 07 19 00-0994	LF		24" ID, 0.040" Aluminum Insulation Jacketing.....	64.75	7.92
			<i>For Stucco Embossed, Add</i>	0.33	
			<i>For Corrugated, Add</i>	0.83	
22 07 19 00-0995			<b>Aluminum Insulation Protective Jacketing For Fittings</b> (22 07 19 00-0733)		
22 07 19 00-0996	EA		1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	18.92	3.06
22 07 19 00-0997	EA		1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	19.37	3.18
22 07 19 00-0998	EA		2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	21.59	3.30
22 07 19 00-0999	EA		2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	21.79	3.35
22 07 19 00-1000	EA		2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	22.00	3.41
22 07 19 00-1001	EA		2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	22.33	3.50
22 07 19 00-1002	EA		3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	23.40	3.58
22 07 19 00-1003	EA		3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	23.76	3.67
22 07 19 00-1004	EA		3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	25.67	3.74
22 07 19 00-1005	EA		3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	26.21	3.80
22 07 19 00-1006	EA		4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	27.14	3.90
22 07 19 00-1007	EA		4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	27.76	3.98
22 07 19 00-1008	EA		4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	28.05	4.05
22 07 19 00-1009	EA		4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	28.36	4.13
22 07 19 00-1010	EA		5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	30.18	4.21
22 07 19 00-1011	EA		5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	32.58	4.29
22 07 19 00-1012	EA		5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	36.90	4.42
22 07 19 00-1013	EA		5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	37.27	4.52
22 07 19 00-1014	EA		6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	35.04	4.66
22 07 19 00-1015	EA		6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	35.45	4.78
22 07 19 00-1016	EA		6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	39.46	4.94



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1017	EA		7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	44.13	5.05
22 07 19 00-1018	EA		7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	44.37	5.11
22 07 19 00-1019	EA		7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	55.87	5.18
22 07 19 00-1020	EA		8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	47.17	5.24
22 07 19 00-1021	EA		8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	69.93	5.37
22 07 19 00-1022	EA		9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	70.48	5.50
22 07 19 00-1023	EA		9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	57.95	5.58
22 07 19 00-1024	EA		10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	58.25	5.65
22 07 19 00-1025	EA		10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	59.32	5.72
22 07 19 00-1026	EA		11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	59.63	5.80
22 07 19 00-1027	EA		11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	65.26	5.96
22 07 19 00-1028	EA		12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	65.59	6.04
22 07 19 00-1029	EA		12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	98.59	6.23
22 07 19 00-1030	EA		13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	98.96	6.32
22 07 19 00-1031	EA		14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	124.85	6.51
22 07 19 00-1032	EA		15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	130.16	6.71
22 07 19 00-1033	EA		16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	139.97	6.82
22 07 19 00-1034	EA		2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	20.54	3.41
22 07 19 00-1035	EA		2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	20.87	3.50
22 07 19 00-1036	EA		3" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	22.14	3.58
22 07 19 00-1037	EA		3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	22.50	3.67
22 07 19 00-1038	EA		3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing .....	23.85	3.74
22 07 19 00-1039	EA		3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	24.11	3.80
22 07 19 00-1040	EA		4" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	24.68	3.90
22 07 19 00-1041	EA		4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	26.25	3.98
22 07 19 00-1042	EA		4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	26.54	4.05
22 07 19 00-1043	EA		4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	26.85	4.13
22 07 19 00-1044	EA		5" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	28.97	4.21
22 07 19 00-1045	EA		5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	29.32	4.29
22 07 19 00-1046	EA		5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	30.44	4.42
22 07 19 00-1047	EA		6" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	31.40	4.66
22 07 19 00-1048	EA		6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	37.33	4.94
22 07 19 00-1049	EA		7" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	37.79	5.05
22 07 19 00-1050	EA		7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	38.43	5.18
22 07 19 00-1051	EA		8" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	38.68	5.24
22 07 19 00-1052	EA		8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	43.54	5.37
22 07 19 00-1053	EA		9" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	44.09	5.50
22 07 19 00-1054	EA		9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	52.94	5.58
22 07 19 00-1055	EA		10" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	53.24	5.65
22 07 19 00-1056	EA		10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	51.56	5.72
22 07 19 00-1057	EA		11" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	51.87	5.80
22 07 19 00-1058	EA		11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	58.28	5.96
22 07 19 00-1059	EA		12" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	58.61	6.04
22 07 19 00-1060	EA		13" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	65.66	6.32
22 07 19 00-1061	EA		14" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	75.60	6.51
22 07 19 00-1062	EA		15" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	103.22	6.71
22 07 19 00-1063	EA		16" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	110.06	6.82
22 07 19 00-1064	EA		17" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	108.56	6.92
22 07 19 00-1065	EA		18" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	120.39	7.04
22 07 19 00-1066	EA		19" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	141.29	7.15
22 07 19 00-1067	EA		20" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	138.06	7.27
22 07 19 00-1068	EA		21" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	147.24	7.40
22 07 19 00-1069	EA		2-1/2" ID, Aluminum Tee Insulation Jacketing .....	66.99	4.88
22 07 19 00-1070	EA		2-3/4" ID, Aluminum Tee Insulation Jacketing .....	67.45	5.00
22 07 19 00-1071	EA		3" ID, Aluminum Tee Insulation Jacketing .....	74.09	5.11
22 07 19 00-1072	EA		3-1/4" ID, Aluminum Tee Insulation Jacketing .....	74.58	5.24
22 07 19 00-1073	EA		3-1/2" ID Aluminum Tee Insulation Jacketing .....	77.68	5.37
22 07 19 00-1074	EA		4" ID, Aluminum Tee Insulation Jacketing .....	78.84	5.50
22 07 19 00-1075	EA		4-1/4" ID, Aluminum Tee Insulation Jacketing .....	82.70	5.65
22 07 19 00-1076	EA		4-1/2" ID, Aluminum Tee Insulation Jacketing .....	82.81	5.80
22 07 19 00-1077	EA		4-3/4" ID, Aluminum Tee Insulation Jacketing.....	83.46	5.96
22 07 19 00-1078	EA		5" ID, Aluminum Tee Insulation Jacketing .....	86.37	6.14
22 07 19 00-1079	EA		5-1/4" ID, Aluminum Tee Insulation Jacketing.....	87.09	6.32
22 07 19 00-1080	EA		5-1/2" ID, Aluminum Tee Insulation Jacketing.....	90.59	6.51
22 07 19 00-1081	EA		6" ID, Aluminum Tee Insulation Jacketing .....	91.41	6.71
22 07 19 00-1082	EA		6-1/2" ID, Aluminum Tee Insulation Jacketing .....	99.56	7.15
22 07 19 00-1083	EA		7" ID, Aluminum Tee Insulation Jacketing .....	100.55	7.40
22 07 19 00-1084	EA		7-1/2" ID, Aluminum Tee Insulation Jacketing.....	109.54	7.67
22 07 19 00-1085	EA		8" ID, Aluminum Tee Insulation Jacketing .....	110.67	7.95
22 07 19 00-1086	EA		8-1/2" ID, Aluminum Tee Insulation Jacketing.....	113.98	8.26
22 07 19 00-1087	EA		9" ID, Aluminum Tee Insulation Jacketing .....	115.30	8.58
22 07 19 00-1088	EA		9-1/2" ID, Aluminum Tee Insulation Jacketing .....	95.13	8.76
22 07 19 00-1089	EA		10" ID, Aluminum Tee Insulation Jacketing .....	95.86	8.95
22 07 19 00-1090	EA		10-1/2" ID, Aluminum Tee Insulation Jacketing .....	100.55	9.14
22 07 19 00-1091	EA		11" ID, Aluminum Tee Insulation Jacketing .....	101.34	9.34
22 07 19 00-1092	EA		11-1/2" ID, Aluminum Tee Insulation Jacketing .....	105.66	9.54
22 07 19 00-1093	EA		12" ID, Aluminum Tee Insulation Jacketing .....	106.53	9.76
22 07 19 00-1094	EA		13" ID, Aluminum Tee Insulation Jacketing .....	110.78	9.98
22 07 19 00-1095	EA		14" ID, Aluminum Tee Insulation Jacketing .....	115.21	10.23
22 07 19 00-1096	EA		15" ID, Aluminum Tee Insulation Jacketing .....	122.27	10.48
22 07 19 00-1097	EA		16" ID, Aluminum Tee Insulation Jacketing.....	125.34	10.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1098 EA 17" ID, Aluminum Tee Insulation Jacketing.....	138.77	11.01
22 07 19 00-1099 EA 18" ID, Aluminum Tee Insulation Jacketing.....	143.62	11.30
22 07 19 00-1100 EA 19" ID, Aluminum Tee Insulation Jacketing.....	155.26	11.61
22 07 19 00-1101 EA 20" ID, Aluminum Tee Insulation Jacketing.....	158.92	11.93
22 07 19 00-1102 EA 22" ID, Aluminum Tee Insulation Jacketing.....	190.55	12.27
22 07 19 00-1103 EA 23" ID, Aluminum Tee Insulation Jacketing.....	195.92	12.63
22 07 19 00-1104 EA 24" ID, Aluminum Tee Insulation Jacketing.....	204.60	13.85
<b>22 07 19 00-1105</b> <b>Stainless Steel Insulation Protective Jacketing With Bands</b> (22 07 19 00-0510)		
<b>22 07 19 00-1106</b> <b>Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands</b> (22 07 19 00-1105)		
22 07 19 00-1107 SF 0.010" Stainless Steel Insulation Jacket With Bands.....	19.92	8.05
22 07 19 00-1108 SF 0.016" Stainless Steel Insulation Jacket With Bands.....	24.41	9.66
<b>22 07 19 00-1109</b> <b>10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands</b> (22 07 19 00-1105)		
22 07 19 00-1110 LF 2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	11.06	1.71
22 07 19 00-1111 LF 2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	11.57	1.75
22 07 19 00-1112 LF 3" ID, 0.010" Stainless Steel Insulation Jacketing.....	12.08	1.79
22 07 19 00-1113 LF 3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	12.63	1.82
22 07 19 00-1114 LF 3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	13.16	1.86
22 07 19 00-1115 LF 3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	13.70	1.90
22 07 19 00-1116 LF 4" ID, 0.010" Stainless Steel Insulation Jacketing.....	14.24	1.95
22 07 19 00-1117 LF 4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	14.79	1.99
22 07 19 00-1118 LF 4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	15.35	2.05
22 07 19 00-1119 LF 5" ID, 0.010" Stainless Steel Insulation Jacketing.....	16.51	2.15
22 07 19 00-1120 LF 5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	17.71	2.26
22 07 19 00-1121 LF 6" ID, 0.010" Stainless Steel Insulation Jacketing.....	18.95	2.39
22 07 19 00-1122 LF 6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	19.96	2.46
22 07 19 00-1123 LF 7" ID, 0.010" Stainless Steel Insulation Jacketing.....	21.00	2.53
22 07 19 00-1124 LF 7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	22.12	2.62
22 07 19 00-1125 LF 8" ID, 0.010" Stainless Steel Insulation Jacketing.....	23.06	2.67
22 07 19 00-1126 LF 8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	24.00	2.72
22 07 19 00-1127 LF 9" ID, 0.010" Stainless Steel Insulation Jacketing.....	24.96	2.77
22 07 19 00-1128 LF 9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	25.92	2.82
22 07 19 00-1129 LF 10" ID, 0.010" Stainless Steel Insulation Jacketing.....	26.89	2.88
22 07 19 00-1130 LF 10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	27.89	2.94
22 07 19 00-1131 LF 11" ID, 0.010" Stainless Steel Insulation Jacketing.....	28.87	3.00
22 07 19 00-1132 LF 12" ID, 0.010" Stainless Steel Insulation Jacketing.....	30.87	3.13
22 07 19 00-1133 LF 13" ID, 0.010" Stainless Steel Insulation Jacketing.....	32.86	3.25
22 07 19 00-1134 LF 14" ID, 0.010" Stainless Steel Insulation Jacketing.....	34.54	3.30
<b>22 07 19 00-1135</b> <b>16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands</b> (22 07 19 00-1105)		
22 07 19 00-1136 LF 2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	15.22	2.29
22 07 19 00-1137 LF 2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	15.95	2.33
22 07 19 00-1138 LF 3" ID, 0.016" Stainless Steel Insulation Jacketing.....	16.67	2.38
22 07 19 00-1139 LF 3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	17.43	2.43
22 07 19 00-1140 LF 3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	18.18	2.48
22 07 19 00-1141 LF 3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	18.94	2.54
22 07 19 00-1142 LF 4" ID, 0.016" Stainless Steel Insulation Jacketing.....	19.71	2.60
22 07 19 00-1143 LF 4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	20.49	2.66
22 07 19 00-1144 LF 4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	21.28	2.72
22 07 19 00-1145 LF 5" ID, 0.016" Stainless Steel Insulation Jacketing.....	22.91	2.85
22 07 19 00-1146 LF 5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	24.59	3.00
22 07 19 00-1147 LF 6" ID, 0.016" Stainless Steel Insulation Jacketing.....	26.33	3.17
22 07 19 00-1148 LF 6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	27.78	3.26
22 07 19 00-1149 LF 7" ID, 0.016" Stainless Steel Insulation Jacketing.....	29.25	3.35
22 07 19 00-1150 LF 7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	30.81	3.49
22 07 19 00-1151 LF 8" ID, 0.016" Stainless Steel Insulation Jacketing.....	32.14	3.55
22 07 19 00-1152 LF 8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	33.49	3.62
22 07 19 00-1153 LF 9" ID, 0.016" Stainless Steel Insulation Jacketing.....	34.87	3.69
22 07 19 00-1154 LF 9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	36.23	3.76
22 07 19 00-1155 LF 10" ID, 0.016" Stainless Steel Insulation Jacketing.....	37.61	3.83
22 07 19 00-1156 LF 10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	39.02	3.91
22 07 19 00-1157 LF 11" ID, 0.016" Stainless Steel Insulation Jacketing.....	40.43	3.99
22 07 19 00-1158 LF 12" ID, 0.016" Stainless Steel Insulation Jacketing.....	43.26	4.17
22 07 19 00-1159 LF 13" ID, 0.016" Stainless Steel Insulation Jacketing.....	46.07	4.32
22 07 19 00-1160 LF 14" ID, 0.016" Stainless Steel Insulation Jacketing.....	48.48	4.39
<b>22 07 19 00-1161</b> <b>Type 316 Stainless Steel Insulation Protective Jacketing For Fittings</b> (22 07 19 00-1105)		
22 07 19 00-1162 EA 2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	32.15	3.41
22 07 19 00-1163 EA 2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	32.48	3.50
22 07 19 00-1164 EA 3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	33.68	3.58
22 07 19 00-1165 EA 3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	34.04	3.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1166 EA 3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	35.28	3.74
22 07 19 00-1167 EA 3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	36.70	3.80
22 07 19 00-1168 EA 4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	39.25	3.90
22 07 19 00-1169 EA 4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	47.32	3.98
22 07 19 00-1170 EA 4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	47.61	4.05
22 07 19 00-1171 EA 5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	48.96	4.21
22 07 19 00-1172 EA 5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	65.61	4.42
22 07 19 00-1173 EA 6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	71.25	4.66
22 07 19 00-1174 EA 6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	92.12	4.94
22 07 19 00-1175 EA 7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	92.58	5.05
22 07 19 00-1176 EA 7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	105.19	5.18
22 07 19 00-1177 EA 8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	105.97	5.37
22 07 19 00-1178 EA 8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	108.85	5.37
22 07 19 00-1179 EA 9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	154.93	5.50
22 07 19 00-1180 EA 9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	152.89	5.58
22 07 19 00-1181 EA 10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	153.19	5.65
22 07 19 00-1182 EA 10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	179.15	5.72
22 07 19 00-1183 EA 11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	172.37	5.80
22 07 19 00-1184 EA 12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	193.53	6.04
22 07 19 00-1185 EA 13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	259.87	6.32
22 07 19 00-1186 EA 14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	262.22	6.51
22 07 19 00-1187 EA 2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	29.07	3.41
22 07 19 00-1188 EA 2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	29.40	3.50
22 07 19 00-1189 EA 3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	30.93	3.58
22 07 19 00-1190 EA 3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	31.29	3.67
22 07 19 00-1191 EA 3-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	31.76	3.74
22 07 19 00-1192 EA 3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	32.02	3.80
22 07 19 00-1193 EA 4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	37.24	3.90
22 07 19 00-1194 EA 4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	46.25	3.98
22 07 19 00-1195 EA 4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	46.54	4.05
22 07 19 00-1196 EA 4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	46.85	4.13
22 07 19 00-1197 EA 5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	47.69	4.21
22 07 19 00-1198 EA 5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	48.57	4.42
22 07 19 00-1199 EA 6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	55.28	4.66
22 07 19 00-1200 EA 6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	56.36	4.94
22 07 19 00-1201 EA 7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	82.15	5.05
22 07 19 00-1202 EA 7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	83.91	5.18
22 07 19 00-1203 EA 8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	84.16	5.24
22 07 19 00-1204 EA 8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	95.44	5.37
22 07 19 00-1205 EA 9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	95.99	5.50
22 07 19 00-1206 EA 9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	109.15	5.58
22 07 19 00-1207 EA 10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	109.45	5.65
22 07 19 00-1208 EA 10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	127.27	5.72
22 07 19 00-1209 EA 11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	127.58	5.80
22 07 19 00-1210 EA 12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	137.54	6.04
22 07 19 00-1211 EA 13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	158.64	6.32
22 07 19 00-1212 Flexible Elastomeric Unicellular Insulation (22 07 19)		
Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-1213 3/8" Wall Flexible Elastomeric Unicellular Insulation (22 07 19 00-1212)		
22 07 19 00-1214 LF 3/8" I.D. (1/2" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation.....	7.84	3.21
For Work In Restricted Working Space, Add 1.93		
22 07 19 00-1215 LF 1/2" I.D. (5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation.....	8.29	3.32
For Work In Restricted Working Space, Add 2.00		
22 07 19 00-1216 LF 3/4" I.D. (7/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation.....	8.70	3.45
For Work In Restricted Working Space, Add 2.06		
22 07 19 00-1217 LF 1" I.D. (1-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation.....	9.05	3.50
For Work In Restricted Working Space, Add 2.10		
22 07 19 00-1218 LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation.....	9.43	3.56
For Work In Restricted Working Space, Add 2.13		
22 07 19 00-1219 LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation.....	10.03	3.58
For Work In Restricted Working Space, Add 2.14		
22 07 19 00-1220 LF 2" I.D. (2-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation.....	10.77	3.67
For Work In Restricted Working Space, Add 2.20		
22 07 19 00-1221 LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation.....	12.58	3.70
For Work In Restricted Working Space, Add 2.21		
22 07 19 00-1222 LF 3" I.D. (3-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation.....	13.88	3.75
For Work In Restricted Working Space, Add 2.25		
22 07 19 00-1223 1/2" Wall Flexible Elastomeric Unicellular Insulation (22 07 19 00-1212)		
22 07 19 00-1224 LF 3/8" I.D. (1/2" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation.....	9.03	3.45
For Work In Restricted Working Space, Add 2.07		
22 07 19 00-1225 LF 1/2" I.D. (5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation.....	9.46	3.56
For Work In Restricted Working Space, Add 2.13		
22 07 19 00-1226 LF 3/4" I.D. (7/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation.....	9.80	3.56
For Work In Restricted Working Space, Add 2.15		
22 07 19 00-1227 LF 1" I.D. (1-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation.....	10.28	3.66
For Work In Restricted Working Space, Add 2.20		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1228 LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	10.67 2.23	3.73
22 07 19 00-1229 LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	11.29 2.27	3.78
22 07 19 00-1230 LF 2" I.D. (2-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	12.44 2.30	3.83
22 07 19 00-1231 LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	14.32 2.37	3.95
22 07 19 00-1232 LF 3" I.D. (3-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	15.57 2.40	4.00
22 07 19 00-1233 LF 3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.09 2.44	4.06
22 07 19 00-1234 LF 4" I.D. (4-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	19.26 2.47	4.11
<b>22 07 19 00-1235 3/4" Wall Flexible Elastomeric Unicellular Insulation</b> <small>(22 07 19 00-1212)</small>		
22 07 19 00-1236 LF 3/8" I.D. (1/2" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	10.81 2.25	3.76
22 07 19 00-1237 LF 1/2" I.D. (5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	11.48 2.37	3.95
22 07 19 00-1238 LF 3/4" I.D. (7/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	12.30 2.40	4.00
22 07 19 00-1239 LF 1" I.D. (1-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	13.47 2.47	4.12
22 07 19 00-1240 LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	14.32 2.50	4.18
22 07 19 00-1241 LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	16.41 2.54	4.23
22 07 19 00-1242 LF 2" I.D. (2-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.18 2.56	4.26
22 07 19 00-1243 LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.89 2.60	4.35
22 07 19 00-1244 LF 3" I.D. (3-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.75 2.64	4.40
22 07 19 00-1245 LF 3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	25.83 2.67	4.45
22 07 19 00-1246 LF 4" I.D. (4-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	27.25 2.71	4.51
<b>22 07 19 00-1247 1" Wall Flexible Elastomeric Unicellular Insulation</b> <small>(22 07 19 00-1212)</small>		
22 07 19 00-1248 LF 3/8" I.D. (1/2" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	14.37 2.50	4.18
22 07 19 00-1249 LF 1/2" I.D. (5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	15.10 2.60	4.35
22 07 19 00-1250 LF 3/4" I.D. (7/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	16.71 2.64	4.40
22 07 19 00-1251 LF 1" I.D. (1-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.64 2.71	4.51
22 07 19 00-1252 LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.39 2.77	4.62
22 07 19 00-1253 LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	21.71 2.81	4.68
22 07 19 00-1254 LF 2" I.D. (2-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	24.34 2.84	4.73
22 07 19 00-1255 LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	30.68 2.91	4.86
22 07 19 00-1256 LF 3" I.D. (3-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	35.25 2.94	4.91
22 07 19 00-1257 LF 3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	37.72 2.98	4.96
22 07 19 00-1258 LF 4" I.D. (4-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	42.79 3.04	5.08
<b>22 07 19 00-1259 Insulation Foam Rubber</b> <small>(22 07 19)</small>		
<b>22 07 19 00-1260 Covering 4x6 Sheet</b> <small>(22 07 19 00-1259)</small>		
22 07 19 00-1261 SF 1" Thick Foam Rubber Sheet Insulation.....	21.86	7.63

## 22 10 Plumbing Piping (22)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

## 22 11 Facility Water Distribution (22 10)

### 22 11 16 Domestic Water Piping (22 11)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 11 16 00-0001 Galvanized Steel Pipe Assemblies</b> <small>(22 11 16)</small>		
<small>Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</small>		
22 11 16 00-0002 LF 1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	17.25	3.86
<small>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</small>		
<i>For ASTM 120, Deduct</i>	-0.67	
<i>For Work In Restricted Working Space, Add</i>	3.84	
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	4.57	
22 11 16 00-0003 LF 3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	19.09	4.14
<small>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</small>		
<i>For ASTM 120, Deduct</i>	-0.83	
<i>For Work In Restricted Working Space, Add</i>	4.06	
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	5.21	
22 11 16 00-0004 LF 1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	21.87	4.54
<small>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</small>		
<i>For ASTM 120, Deduct</i>	-1.11	
<i>For Work In Restricted Working Space, Add</i>	4.34	
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	6.22	
22 11 16 00-0005 LF 1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	25.94	4.73
<small>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</small>		
<i>For ASTM 120, Deduct</i>	-1.59	
<i>For Work In Restricted Working Space, Add</i>	4.61	
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	7.83	
22 11 16 00-0006 LF 1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	28.14	5.60
<small>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</small>		
<i>For ASTM 120, Deduct</i>	-1.82	
<i>For Work In Restricted Working Space, Add</i>	4.81	
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	8.66	
22 11 16 00-0007 LF 2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	34.38	6.74
<small>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</small>		
<i>For ASTM 120, Deduct</i>	-2.42	
<i>For Work In Restricted Working Space, Add</i>	5.47	
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	10.91	
22 11 16 00-0008 LF 2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	52.28	8.00
<small>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</small>		
<i>For ASTM 120, Deduct</i>	-4.64	
<i>For Work In Restricted Working Space, Add</i>	6.41	
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	18.18	
22 11 16 00-0009 LF 3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	64.32	10.71
<small>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</small>		
<i>For ASTM 120, Deduct</i>	-5.76	
<i>For Work In Restricted Working Space, Add</i>	7.77	
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	22.47	
22 11 16 00-0010 LF 4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	104.24	12.19
<small>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</small>		
<i>For ASTM 120, Deduct</i>	-11.37	
<i>For Work In Restricted Working Space, Add</i>	8.54	
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	39.79	
22 11 16 00-0011 LF 5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	191.73	15.58
<small>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</small>		
<i>For ASTM 120, Deduct</i>	-23.60	
<i>For Work In Restricted Working Space, Add</i>	10.32	
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	77.68	
22 11 16 00-0012 LF 6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	233.16	18.42
<small>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</small>		
<i>For ASTM 120, Deduct</i>	-29.11	
<i>For Work In Restricted Working Space, Add</i>	11.73	
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	95.15	
<b>22 11 16 00-0013 Galvanized Steel Pipe And Threaded Fittings</b> <small>(22 11 16)</small>		
<small>Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.</small>		
<b>22 11 16 00-0014 Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe</b> <small>(22 11 16 00-0013)</small>		
<small>Note: ASTM A-53. Includes coupling. Welded pipe has a weld bead on the inside.</small>		
22 11 16 00-0015 LF 1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	8.20	3.86
<i>For Schedule 80 Pipe, Add</i>	1.71	
<i>For ASTM 120, Deduct</i>	-0.35	
<i>For Work In Restricted Working Space, Add</i>	1.76	
22 11 16 00-0016 LF 3/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	9.33	4.14
<i>For Schedule 80 Pipe, Add</i>	2.11	
<i>For ASTM 120, Deduct</i>	-0.47	
<i>For Work In Restricted Working Space, Add</i>	1.87	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0017	LF		1" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	11.35	4.54
			<i>For Schedule 80 Pipe, Add</i>	2.89	
			<i>For ASTM 120, Deduct</i>	-0.69	
			<i>For Work In Restricted Working Space, Add</i>	2.02	
22 11 16 00-0018	LF		1-1/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	13.38	4.73
			<i>For Schedule 80 Pipe, Add</i>	3.71	
			<i>For ASTM 120, Deduct</i>	-0.94	
			<i>For Work In Restricted Working Space, Add</i>	2.14	
22 11 16 00-0019	LF		1-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	15.85	5.60
			<i>For Schedule 80 Pipe, Add</i>	4.42	
			<i>For ASTM 120, Deduct</i>	-1.12	
			<i>For Work In Restricted Working Space, Add</i>	2.52	
22 11 16 00-0020	LF		2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	20.17	6.74
			<i>For Schedule 80 Pipe, Add</i>	5.82	
			<i>For ASTM 120, Deduct</i>	-1.50	
			<i>For Work In Restricted Working Space, Add</i>	3.05	
22 11 16 00-0021	LF		2-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	27.96	8.00
			<i>For Schedule 80 Pipe, Add</i>	8.84	
			<i>For ASTM 120, Deduct</i>	-2.39	
			<i>For Work In Restricted Working Space, Add</i>	3.62	
22 11 16 00-0022	LF		3" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	36.88	10.71
			<i>For Schedule 80 Pipe, Add</i>	11.60	
			<i>For ASTM 120, Deduct</i>	-3.12	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
22 11 16 00-0023	LF		4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	47.95	12.19
			<i>For Schedule 80 Pipe, Add</i>	16.05	
			<i>For ASTM 120, Deduct</i>	-4.44	
			<i>For Work In Restricted Working Space, Add</i>	5.50	
22 11 16 00-0024	LF		5" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	63.06	15.58
			<i>For Schedule 80 Pipe, Add</i>	21.40	
			<i>For ASTM 120, Deduct</i>	-5.96	
			<i>For Work In Restricted Working Space, Add</i>	7.00	
22 11 16 00-0025	LF		6" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	79.13	18.42
			<i>For Schedule 80 Pipe, Add</i>	27.50	
			<i>For ASTM 120, Deduct</i>	-7.73	
			<i>For Work In Restricted Working Space, Add</i>	8.28	
22 11 16 00-0026	LF		8" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	89.01	22.27
			<i>For Schedule 80 Pipe, Add</i>	30.06	
			<i>For ASTM 120, Deduct</i>	-8.35	
			<i>For Work In Restricted Working Space, Add</i>	10.00	
<b>22 11 16 00-0027</b>			<b>Seamless, Threaded And Coupled, Galvanized Steel Pipe</b> <small>(22 11 16 00-0013)</small>		
			Note: ASTM A-53. Includes coupling.		
22 11 16 00-0028	LF		1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	9.82	3.86
			<i>For Schedule 80 Pipe, Add</i>	2.49	
			<i>For ASTM 120, Deduct</i>	-0.60	
			<i>For Work In Restricted Working Space, Add</i>	1.76	
22 11 16 00-0029	LF		3/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	10.98	4.14
			<i>For Schedule 80 Pipe, Add</i>	2.91	
			<i>For ASTM 120, Deduct</i>	-0.71	
			<i>For Work In Restricted Working Space, Add</i>	1.87	
22 11 16 00-0030	LF		1" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	12.27	4.54
			<i>For Schedule 80 Pipe, Add</i>	3.33	
			<i>For ASTM 120, Deduct</i>	-0.83	
			<i>For Work In Restricted Working Space, Add</i>	2.02	
22 11 16 00-0031	LF		1-1/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	14.09	4.73
			<i>For Schedule 80 Pipe, Add</i>	4.05	
			<i>For ASTM 120, Deduct</i>	-1.04	
			<i>For Work In Restricted Working Space, Add</i>	2.14	
22 11 16 00-0032	LF		1-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	16.33	5.60
			<i>For Schedule 80 Pipe, Add</i>	4.65	
			<i>For ASTM 120, Deduct</i>	-1.19	
			<i>For Work In Restricted Working Space, Add</i>	2.52	
22 11 16 00-0033	LF		2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	19.19	6.74
			<i>For Schedule 80 Pipe, Add</i>	5.35	
			<i>For ASTM 120, Deduct</i>	-1.36	
			<i>For Work In Restricted Working Space, Add</i>	3.05	
22 11 16 00-0034	LF		2-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	27.19	8.00
			<i>For Schedule 80 Pipe, Add</i>	8.47	
			<i>For ASTM 120, Deduct</i>	-2.27	
			<i>For Work In Restricted Working Space, Add</i>	3.62	
22 11 16 00-0035	LF		3" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	34.57	10.71
			<i>For Schedule 80 Pipe, Add</i>	10.49	
			<i>For ASTM 120, Deduct</i>	-2.78	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
22 11 16 00-0036	LF		4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	44.78	12.19
			<i>For Schedule 80 Pipe, Add</i>	14.53	
			<i>For ASTM 120, Deduct</i>	-3.97	
			<i>For Work In Restricted Working Space, Add</i>	5.50	
22 11 16 00-0037	LF		5" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	57.85	15.58
			<i>For Schedule 80 Pipe, Add</i>	18.90	
			<i>For ASTM 120, Deduct</i>	-5.18	
			<i>For Work In Restricted Working Space, Add</i>	7.00	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0038	LF			6" Schedule 40, Seamless, Threaded Galvanized Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	71.75 23.96 -6.62 8.28	18.42
<b>22 11 16 00-0039 Galvanized Malleable Iron 90 Degree Elbows (22 11 16 00-0013)</b>						
22 11 16 00-0040	EA			1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	32.08 23.20 -0.96 7.71	17.16
22 11 16 00-0041	EA			3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	36.60 28.31 -1.17 8.63	19.19
22 11 16 00-0042	EA			1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	46.63 51.19 -2.17 9.64	21.40
22 11 16 00-0043	EA			1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	59.28 80.04 -3.44 10.91	24.30
22 11 16 00-0044	EA			1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	70.91 104.05 -4.48 12.31	27.38
22 11 16 00-0045	EA			2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	101.07 169.56 -7.34 15.64	34.81
22 11 16 00-0046	EA			2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	205.22 440.13 -19.21 23.14	51.49
22 11 16 00-0047	EA			3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	312.67 724.10 -31.68 30.45	67.69
22 11 16 00-0048	EA			4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	479.39 1,272.78 -55.87 32.08	71.30
22 11 16 00-0049	EA			5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,720.05 5,475.53 -241.27 33.47	74.42
22 11 16 00-0050	EA			6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,599.49 5,048.66 -222.43 35.00	77.81
22 11 16 00-0051	EA			8", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,910.85 6,089.74 -268.34 36.57	81.31
<b>22 11 16 00-0052 Galvanized Malleable Iron Reducing 90 Degree Elbows (22 11 16 00-0013)</b>						
22 11 16 00-0053	EA			3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	40.85 -2.04 8.18	18.13
22 11 16 00-0054	EA			1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	47.91 -2.62 9.14	20.34
22 11 16 00-0055	EA			1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	47.44 -2.78 8.68	19.29
22 11 16 00-0056	EA			1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	63.54 -4.39 10.28	22.85
22 11 16 00-0057	EA			1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	67.75 -5.28 9.77	21.70
22 11 16 00-0058	EA			1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	68.31 -5.59 9.32	20.73
22 11 16 00-0059	EA			1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	85.49 -7.02 11.61	25.84
22 11 16 00-0060	EA			1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	83.38 -7.02 10.98	24.40
22 11 16 00-0061	EA			1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	81.69 -7.02 10.47	23.24



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0062	EA		2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	101.23	31.05
			<i>For ASTM 120, Deduct</i>	-8.20	
			<i>For Work In Restricted Working Space, Add</i>	13.97	
22 11 16 00-0063	EA		2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	106.91	29.51
			<i>For ASTM 120, Deduct</i>	-9.40	
			<i>For Work In Restricted Working Space, Add</i>	13.28	
22 11 16 00-0064	EA		2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	107.15	28.06
			<i>For ASTM 120, Deduct</i>	-9.75	
			<i>For Work In Restricted Working Space, Add</i>	12.64	
22 11 16 00-0065	EA		2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	89.77	27.00
			<i>For ASTM 120, Deduct</i>	-7.40	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
22 11 16 00-0066	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	249.89	43.10
			<i>For ASTM 120, Deduct</i>	-27.79	
			<i>For Work In Restricted Working Space, Add</i>	19.39	
22 11 16 00-0067	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	265.49	39.44
			<i>For ASTM 120, Deduct</i>	-30.96	
			<i>For Work In Restricted Working Space, Add</i>	17.73	
22 11 16 00-0068	EA		3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	426.03	59.59
			<i>For ASTM 120, Deduct</i>	-50.51	
			<i>For Work In Restricted Working Space, Add</i>	26.79	
22 11 16 00-0069	EA		3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	369.27	51.20
			<i>For ASTM 120, Deduct</i>	-43.87	
			<i>For Work In Restricted Working Space, Add</i>	23.04	
22 11 16 00-0070	EA		4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	863.67	67.82
			<i>For ASTM 120, Deduct</i>	-114.30	
			<i>For Work In Restricted Working Space, Add</i>	30.51	
<b>22 11 16 00-0071</b>			<b>Galvanized Malleable Iron 45 Degree Elbow</b> <small>(22 11 16 00-0013)</small>		
22 11 16 00-0072	EA		1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	33.21	17.16
			<i>For 300 LB Rating, Add</i>	27.04	
			<i>For ASTM 120, Deduct</i>	-1.13	
			<i>For Work In Restricted Working Space, Add</i>	7.71	
22 11 16 00-0073	EA		3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	39.56	19.19
			<i>For 300 LB Rating, Add</i>	38.38	
			<i>For ASTM 120, Deduct</i>	-1.62	
			<i>For Work In Restricted Working Space, Add</i>	8.63	
22 11 16 00-0074	EA		1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	44.31	21.40
			<i>For 300 LB Rating, Add</i>	43.31	
			<i>For ASTM 120, Deduct</i>	-1.83	
			<i>For Work In Restricted Working Space, Add</i>	9.64	
22 11 16 00-0075	EA		1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	59.12	24.30
			<i>For 300 LB Rating, Add</i>	79.50	
			<i>For ASTM 120, Deduct</i>	-3.41	
			<i>For Work In Restricted Working Space, Add</i>	10.91	
22 11 16 00-0076	EA		1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	67.74	27.38
			<i>For 300 LB Rating, Add</i>	93.28	
			<i>For ASTM 120, Deduct</i>	-4.01	
			<i>For Work In Restricted Working Space, Add</i>	12.31	
22 11 16 00-0077	EA		2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	91.65	34.81
			<i>For 300 LB Rating, Add</i>	137.53	
			<i>For ASTM 120, Deduct</i>	-5.93	
			<i>For Work In Restricted Working Space, Add</i>	15.64	
22 11 16 00-0078	EA		2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	214.66	51.49
			<i>For 300 LB Rating, Add</i>	472.23	
			<i>For ASTM 120, Deduct</i>	-20.63	
			<i>For Work In Restricted Working Space, Add</i>	23.14	
22 11 16 00-0079	EA		3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	301.52	67.69
			<i>For 300 LB Rating, Add</i>	686.19	
			<i>For ASTM 120, Deduct</i>	-30.00	
			<i>For Work In Restricted Working Space, Add</i>	30.45	
22 11 16 00-0080	EA		4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	442.28	71.30
			<i>For 300 LB Rating, Add</i>	1,146.61	
			<i>For ASTM 120, Deduct</i>	-50.30	
			<i>For Work In Restricted Working Space, Add</i>	32.08	
22 11 16 00-0081	EA		5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	1,466.64	74.42
			<i>For 300 LB Rating, Add</i>	4,613.93	
			<i>For ASTM 120, Deduct</i>	-203.26	
			<i>For Work In Restricted Working Space, Add</i>	33.47	
22 11 16 00-0082	EA		6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	1,750.55	77.81
			<i>For 300 LB Rating, Add</i>	5,562.26	
			<i>For ASTM 120, Deduct</i>	-245.09	
			<i>For Work In Restricted Working Space, Add</i>	35.00	
22 11 16 00-0083	EA		8", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	2,090.27	81.31
			<i>For 300 LB Rating, Add</i>	6,699.77	
			<i>For ASTM 120, Deduct</i>	-295.26	
			<i>For Work In Restricted Working Space, Add</i>	36.57	
<b>22 11 16 00-0084</b>			<b>Galvanized Malleable Iron Tees</b> <small>(22 11 16 00-0013)</small>		
22 11 16 00-0085	EA		1/2", 150 LB, Galvanized Malleable Iron Tee.....	40.39	21.40
			<i>For 300 LB Rating, Add</i>	29.98	
			<i>For ASTM 120, Deduct</i>	-1.24	
			<i>For Work In Restricted Working Space, Add</i>	9.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0086 EA 3/4", 150 LB, Galvanized Malleable Iron Tee.....	50.69	24.78
<i>For 300 LB Rating, Add</i>	48.50	
<i>For ASTM 120, Deduct</i>	-2.04	
<i>For Work In Restricted Working Space, Add</i>	11.12	
22 11 16 00-0087 EA 1", 150 LB, Galvanized Malleable Iron Tee.....	65.82	29.22
<i>For 300 LB Rating, Add</i>	77.43	
<i>For ASTM 120, Deduct</i>	-3.30	
<i>For Work In Restricted Working Space, Add</i>	13.15	
22 11 16 00-0088 EA 1-1/4", 150 LB, Galvanized Malleable Iron Tee .....	87.03	34.81
<i>For 300 LB Rating, Add</i>	121.82	
<i>For ASTM 120, Deduct</i>	-5.24	
<i>For Work In Restricted Working Space, Add</i>	15.64	
22 11 16 00-0089 EA 1-1/2", 150 LB, Galvanized Malleable Iron Tee .....	105.59	41.47
<i>For 300 LB Rating, Add</i>	151.26	
<i>For ASTM 120, Deduct</i>	-6.51	
<i>For Work In Restricted Working Space, Add</i>	18.66	
22 11 16 00-0090 EA 2", 150 LB, Galvanized Malleable Iron Tee.....	147.66	51.49
<i>For 300 LB Rating, Add</i>	244.43	
<i>For ASTM 120, Deduct</i>	-10.58	
<i>For Work In Restricted Working Space, Add</i>	23.14	
22 11 16 00-0091 EA 2-1/2", 150 LB, Galvanized Malleable Iron Tee .....	282.43	55.92
<i>For 300 LB Rating, Add</i>	680.20	
<i>For ASTM 120, Deduct</i>	-29.79	
<i>For Work In Restricted Working Space, Add</i>	25.16	
22 11 16 00-0092 EA 3", 150 LB, Galvanized Malleable Iron Tee.....	334.36	67.69
<i>For 300 LB Rating, Add</i>	797.85	
<i>For ASTM 120, Deduct</i>	-34.93	
<i>For Work In Restricted Working Space, Add</i>	30.45	
22 11 16 00-0093 EA 4", 150 LB, Galvanized Malleable Iron Tee.....	685.96	90.10
<i>For 300 LB Rating, Add</i>	1,881.13	
<i>For ASTM 120, Deduct</i>	-82.63	
<i>For Work In Restricted Working Space, Add</i>	40.52	
22 11 16 00-0094 EA 5", 150 LB, Galvanized Malleable Iron Tee.....	1,892.07	106.96
<i>For 300 LB Rating, Add</i>	5,897.34	
<i>For ASTM 120, Deduct</i>	-259.75	
<i>For Work In Restricted Working Space, Add</i>	48.12	
22 11 16 00-0095 EA 6", 150 LB, Galvanized Malleable Iron Tee.....	2,147.43	122.26
<i>For 300 LB Rating, Add</i>	6,689.04	
<i>For ASTM 120, Deduct</i>	-294.62	
<i>For Work In Restricted Working Space, Add</i>	54.99	
22 11 16 00-0096 EA 8", 150 LB, Galvanized Malleable Iron Tee.....	2,553.70	145.17
<i>For 300 LB Rating, Add</i>	7,947.91	
<i>For ASTM 120, Deduct</i>	-350.06	
<i>For Work In Restricted Working Space, Add</i>	65.99	
<b>22 11 16 00-0097 Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)</b>		
22 11 16 00-0098 EA 1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	51.32	21.40
<i>For 300 LB Rating, Add</i>	67.14	
<i>For ASTM 120, Deduct</i>	-2.88	
<i>For Work In Restricted Working Space, Add</i>	9.64	
22 11 16 00-0099 EA 3/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	55.99	24.78
<i>For 300 LB Rating, Add</i>	66.52	
<i>For ASTM 120, Deduct</i>	-2.84	
<i>For Work In Restricted Working Space, Add</i>	11.12	
22 11 16 00-0100 EA 1", 150 LB, Galvanized Malleable Iron Reducing Tee.....	70.39	29.22
<i>For 300 LB Rating, Add</i>	92.97	
<i>For ASTM 120, Deduct</i>	-3.99	
<i>For Work In Restricted Working Space, Add</i>	13.15	
22 11 16 00-0101 EA 1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee .....	93.33	34.81
<i>For 300 LB Rating, Add</i>	143.24	
<i>For ASTM 120, Deduct</i>	-6.18	
<i>For Work In Restricted Working Space, Add</i>	15.64	
22 11 16 00-0102 EA 1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee .....	113.10	41.47
<i>For 300 LB Rating, Add</i>	176.79	
<i>For ASTM 120, Deduct</i>	-7.64	
<i>For Work In Restricted Working Space, Add</i>	18.66	
22 11 16 00-0103 EA 2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	151.44	51.49
<i>For 300 LB Rating, Add</i>	257.28	
<i>For ASTM 120, Deduct</i>	-11.15	
<i>For Work In Restricted Working Space, Add</i>	23.14	
22 11 16 00-0104 EA 2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee .....	346.57	56.11
<i>For 300 LB Rating, Add</i>	897.41	
<i>For ASTM 120, Deduct</i>	-39.37	
<i>For Work In Restricted Working Space, Add</i>	25.23	
22 11 16 00-0105 EA 3", 150 LB, Galvanized Malleable Iron Reducing Tee.....	443.49	68.75
<i>For 300 LB Rating, Add</i>	1,163.51	
<i>For ASTM 120, Deduct</i>	-51.06	
<i>For Work In Restricted Working Space, Add</i>	30.93	
22 11 16 00-0106 EA 4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	1,121.82	90.10
<i>For 300 LB Rating, Add</i>	3,363.05	
<i>For ASTM 120, Deduct</i>	-148.01	
<i>For Work In Restricted Working Space, Add</i>	40.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0107 EA 5", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,448.56 7,789.40 -343.23 48.12	106.96
22 11 16 00-0108 EA 6", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,779.27 8,837.30 -389.40 54.99	122.26
22 11 16 00-0109 EA 8", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3,340.86 10,654.89 -469.51 63.24	140.39
<b>22 11 16 00-0110 Galvanized Malleable Iron Couplings</b> (22 11 16 00-0013)		
22 11 16 00-0111 EA 1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	32.00 22.93 -0.94 7.71	17.16
22 11 16 00-0112 EA 3/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	36.03 26.38 -1.09 8.63	19.19
22 11 16 00-0113 EA 1", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	44.02 42.32 -1.78 9.64	21.40
22 11 16 00-0114 EA 1-1/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	53.13 59.13 -2.51 10.91	24.30
22 11 16 00-0115 EA 1-1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	60.07 67.20 -2.86 12.31	27.38
22 11 16 00-0116 EA 2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	79.96 97.78 -4.18 15.64	34.81
22 11 16 00-0117 EA 2-1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	162.35 294.38 -12.78 23.14	51.49
22 11 16 00-0118 EA 3", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	215.39 393.35 -17.09 30.45	67.69
22 11 16 00-0119 EA 4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	348.83 828.88 -36.29 32.08	71.30
22 11 16 00-0120 EA 5", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	792.71 2,322.57 -102.17 33.47	74.42
22 11 16 00-0121 EA 6", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	892.65 2,645.40 -116.40 35.00	77.81
22 11 16 00-0122 EA 8", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,057.14 3,187.13 -140.29 36.57	81.31
<b>22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings</b> (22 11 16 00-0013)		
22 11 16 00-0124 EA 1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	33.34 27.48 -1.14 7.71	17.16
22 11 16 00-0125 EA 3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	36.94 29.47 -1.22 8.63	19.19
22 11 16 00-0126 EA 1", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	45.74 48.17 -2.04 9.64	21.40
22 11 16 00-0127 EA 1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	53.96 61.95 -2.64 10.91	24.30



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0128	EA			1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling .....	63.70	27.38
				<i>For 300 LB Rating, Add</i>	79.54	
				<i>For ASTM 120, Deduct</i>	-3.40	
				<i>For Work In Restricted Working Space, Add</i>	12.31	
22 11 16 00-0129	EA			2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	83.05	34.81
				<i>For 300 LB Rating, Add</i>	108.29	
				<i>For ASTM 120, Deduct</i>	-4.64	
				<i>For Work In Restricted Working Space, Add</i>	15.64	
22 11 16 00-0130	EA			2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling .....	163.43	51.49
				<i>For 300 LB Rating, Add</i>	298.05	
				<i>For ASTM 120, Deduct</i>	-12.95	
				<i>For Work In Restricted Working Space, Add</i>	23.14	
22 11 16 00-0131	EA			3", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	212.16	67.69
				<i>For 300 LB Rating, Add</i>	382.37	
				<i>For ASTM 120, Deduct</i>	-16.60	
				<i>For Work In Restricted Working Space, Add</i>	30.45	
22 11 16 00-0132	EA			4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	355.06	71.30
				<i>For 300 LB Rating, Add</i>	850.06	
				<i>For ASTM 120, Deduct</i>	-37.22	
				<i>For Work In Restricted Working Space, Add</i>	32.08	
22 11 16 00-0133	EA			5", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	828.56	74.42
				<i>For 300 LB Rating, Add</i>	2,444.46	
				<i>For ASTM 120, Deduct</i>	-107.55	
				<i>For Work In Restricted Working Space, Add</i>	33.47	
22 11 16 00-0134	EA			6", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	933.49	77.81
				<i>For 300 LB Rating, Add</i>	2,784.26	
				<i>For ASTM 120, Deduct</i>	-122.53	
				<i>For Work In Restricted Working Space, Add</i>	35.00	
22 11 16 00-0135	EA			8", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	1,106.73	81.31
				<i>For 300 LB Rating, Add</i>	3,355.74	
				<i>For ASTM 120, Deduct</i>	-147.72	
				<i>For Work In Restricted Working Space, Add</i>	36.57	
<b>22 11 16 00-0136</b>				<b>Galvanized Malleable Iron Caps (22 11 16 00-0013)</b>		
22 11 16 00-0137	EA			1/2", 150 LB, Galvanized Malleable Iron Cap .....	14.36	8.00
				<i>For 300 LB Rating, Add</i>	8.54	
				<i>For ASTM 120, Deduct</i>	-0.35	
				<i>For Work In Restricted Working Space, Add</i>	3.62	
22 11 16 00-0138	EA			3/4", 150 LB, Galvanized Malleable Iron Cap .....	16.03	8.58
				<i>For 300 LB Rating, Add</i>	11.58	
				<i>For ASTM 120, Deduct</i>	-0.48	
				<i>For Work In Restricted Working Space, Add</i>	3.86	
22 11 16 00-0139	EA			1", 150 LB, Galvanized Malleable Iron Cap .....	18.78	9.93
				<i>For 300 LB Rating, Add</i>	14.32	
				<i>For ASTM 120, Deduct</i>	-0.59	
				<i>For Work In Restricted Working Space, Add</i>	4.45	
22 11 16 00-0140	EA			1-1/4", 150 LB, Galvanized Malleable Iron Cap .....	20.76	10.41
				<i>For 300 LB Rating, Add</i>	18.61	
				<i>For ASTM 120, Deduct</i>	-0.78	
				<i>For Work In Restricted Working Space, Add</i>	4.67	
22 11 16 00-0141	EA			1-1/2", 150 LB, Galvanized Malleable Iron Cap .....	20.43	10.41
				<i>For 300 LB Rating, Add</i>	17.49	
				<i>For ASTM 120, Deduct</i>	-0.73	
				<i>For Work In Restricted Working Space, Add</i>	4.67	
22 11 16 00-0142	EA			2", 150 LB, Galvanized Malleable Iron Cap .....	31.16	13.79
				<i>For 300 LB Rating, Add</i>	36.67	
				<i>For ASTM 120, Deduct</i>	-1.56	
				<i>For Work In Restricted Working Space, Add</i>	6.22	
22 11 16 00-0143	EA			2-1/2", 150 LB, Galvanized Malleable Iron Cap .....	49.09	17.16
				<i>For 300 LB Rating, Add</i>	81.03	
				<i>For ASTM 120, Deduct</i>	-3.51	
				<i>For Work In Restricted Working Space, Add</i>	7.71	
22 11 16 00-0144	EA			3", 150 LB, Galvanized Malleable Iron Cap .....	64.38	20.73
				<i>For 300 LB Rating, Add</i>	115.02	
				<i>For ASTM 120, Deduct</i>	-4.99	
				<i>For Work In Restricted Working Space, Add</i>	9.33	
22 11 16 00-0145	EA			4", 150 LB, Galvanized Malleable Iron Cap .....	98.88	24.47
				<i>For 300 LB Rating, Add</i>	213.75	
				<i>For ASTM 120, Deduct</i>	-9.33	
				<i>For Work In Restricted Working Space, Add</i>	11.00	
22 11 16 00-0146	EA			5", 150 LB, Galvanized Malleable Iron Cap .....	252.37	30.61
				<i>For 300 LB Rating, Add</i>	705.02	
				<i>For ASTM 120, Deduct</i>	-30.98	
				<i>For Work In Restricted Working Space, Add</i>	13.75	
22 11 16 00-0147	EA			6", 150 LB, Galvanized Malleable Iron Cap .....	314.92	36.38
				<i>For 300 LB Rating, Add</i>	888.36	
				<i>For ASTM 120, Deduct</i>	-39.05	
				<i>For Work In Restricted Working Space, Add</i>	16.38	
22 11 16 00-0148	EA			8", 150 LB, Galvanized Malleable Iron Cap .....	398.31	40.65
				<i>For 300 LB Rating, Add</i>	1,150.68	
				<i>For ASTM 120, Deduct</i>	-50.60	
				<i>For Work In Restricted Working Space, Add</i>	18.29	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0149	<b>Galvanized Malleable Iron FIP Threaded, Unions</b> (22 11 16 00-0013)		
22 11 16 00-0150	EA 1/2", 150 LB, Galvanized Malleable Iron Union.....	48.47	21.40
	<i>For Work In Restricted Working Space, Add</i>	9.64	
22 11 16 00-0151	EA 3/4", 150 LB, Galvanized Malleable Iron Union.....	55.84	24.78
	<i>For Work In Restricted Working Space, Add</i>	11.12	
22 11 16 00-0152	EA 1", 150 LB, Galvanized Malleable Iron Union.....	68.39	29.22
	<i>For Work In Restricted Working Space, Add</i>	13.15	
22 11 16 00-0153	EA 1-1/4", 150 LB, Galvanized Malleable Iron Union .....	87.64	34.81
	<i>For Work In Restricted Working Space, Add</i>	15.64	
22 11 16 00-0154	EA 1-1/2", 150 LB, Galvanized Malleable Iron Union .....	105.24	41.47
	<i>For Work In Restricted Working Space, Add</i>	18.66	
22 11 16 00-0155	EA 2", 150 LB, Galvanized Malleable Iron Union.....	126.61	51.49
	<i>For Work In Restricted Working Space, Add</i>	23.14	
22 11 16 00-0156	EA 2-1/2", 150 LB, Galvanized Malleable Iron Union .....	285.74	75.88
	<i>For Work In Restricted Working Space, Add</i>	34.16	
22 11 16 00-0157	EA 3", 150 LB, Galvanized Malleable Iron Union.....	390.37	99.80
	<i>For Work In Restricted Working Space, Add</i>	44.95	
22 11 16 00-0158	EA 1/2", 250 LB, Galvanized Malleable Iron Union.....	65.34	21.40
	<i>For Work In Restricted Working Space, Add</i>	9.64	
22 11 16 00-0159	EA 3/4", 250 LB, Galvanized Malleable Iron Union.....	67.25	24.78
	<i>For Work In Restricted Working Space, Add</i>	11.12	
22 11 16 00-0160	EA 1", 250 LB, Galvanized Malleable Iron Union.....	81.22	29.22
	<i>For Work In Restricted Working Space, Add</i>	13.15	
22 11 16 00-0161	EA 1-1/4", 250 LB, Galvanized Malleable Iron Union .....	108.75	34.81
	<i>For Work In Restricted Working Space, Add</i>	15.63	
22 11 16 00-0162	EA 1-1/2", 250 LB, Galvanized Malleable Iron Union .....	127.41	41.47
	<i>For Work In Restricted Working Space, Add</i>	18.66	
22 11 16 00-0163	EA 2", 250 LB, Galvanized Malleable Iron Union.....	169.21	51.49
	<i>For Work In Restricted Working Space, Add</i>	23.14	
22 11 16 00-0164	EA 2-1/2", 250 LB, Galvanized Malleable Iron Union .....	356.10	75.88
	<i>For Work In Restricted Working Space, Add</i>	34.16	
22 11 16 00-0165	EA 3", 250 LB, Galvanized Malleable Iron Union.....	521.48	99.80
	<i>For Work In Restricted Working Space, Add</i>	44.95	
22 11 16 00-0166	EA 4", 250 LB, Galvanized Malleable Iron Union.....	740.83	105.21
	<i>For Work In Restricted Working Space, Add</i>	47.35	
22 11 16 00-0167	EA 1/2", 300 LB, Galvanized Malleable Iron Union.....	69.97	21.40
	<i>For Work In Restricted Working Space, Add</i>	9.64	
22 11 16 00-0168	EA 3/4", 300 LB, Galvanized Malleable Iron Union.....	78.10	24.78
	<i>For Work In Restricted Working Space, Add</i>	11.12	
22 11 16 00-0169	EA 1", 300 LB, Galvanized Malleable Iron Union.....	98.24	29.22
	<i>For Work In Restricted Working Space, Add</i>	13.15	
22 11 16 00-0170	EA 1-1/4", 300 LB, Galvanized Malleable Iron Union .....	127.99	34.81
	<i>For Work In Restricted Working Space, Add</i>	15.63	
22 11 16 00-0171	EA 1-1/2", 300 LB, Galvanized Malleable Iron Union .....	153.58	41.47
	<i>For Work In Restricted Working Space, Add</i>	18.66	
22 11 16 00-0172	EA 2", 300 LB, Galvanized Malleable Iron Union.....	186.80	51.49
	<i>For Work In Restricted Working Space, Add</i>	23.14	
22 11 16 00-0173	EA 2-1/2", 300 LB, Galvanized Malleable Iron Union .....	419.78	75.88
	<i>For Work In Restricted Working Space, Add</i>	34.16	
22 11 16 00-0174	EA 3", 300 LB, Galvanized Malleable Iron Union.....	667.21	99.80
	<i>For Work In Restricted Working Space, Add</i>	44.95	
22 11 16 00-0175	EA 4", 300 LB, Galvanized Malleable Iron Union.....	1,455.44	105.21
	<i>For Work In Restricted Working Space, Add</i>	47.35	
22 11 16 00-0176	<b>Galvanized Steel Nipples</b> (22 11 16 00-0013)		
	Note: ASTM A-53.		
22 11 16 00-0177	EA 3/8" x Close, Schedule 40 Galvanized Steel Nipple.....	16.33	9.16
	<i>For Schedule 80 Nipples, Add</i>	2.92	
	<i>For ASTM 120, Deduct</i>	-0.38	
	<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0178	EA 1/2" x Close, Schedule 40 Galvanized Steel Nipple.....	15.84	9.16
	<i>For Schedule 80 Nipples, Add</i>	2.36	
	<i>For ASTM 120, Deduct</i>	-0.31	
	<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0179	EA 3/4" x Close, Schedule 40 Galvanized Steel Nipple.....	16.28	9.16
	<i>For Schedule 80 Nipples, Add</i>	2.86	
	<i>For ASTM 120, Deduct</i>	-0.38	
	<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0180	EA 1" x Close, Schedule 40 Galvanized Steel Nipple.....	18.28	9.93
	<i>For Schedule 80 Nipples, Add</i>	3.93	
	<i>For ASTM 120, Deduct</i>	-0.52	
	<i>For Work In Restricted Working Space, Add</i>	4.45	
22 11 16 00-0181	EA 1-1/4" x Close, Schedule 40 Galvanized Steel Nipple .....	20.69	10.71
	<i>For Schedule 80 Nipples, Add</i>	5.27	
	<i>For ASTM 120, Deduct</i>	-0.69	
	<i>For Work In Restricted Working Space, Add</i>	4.82	
22 11 16 00-0182	EA 1-1/2" x Close, Schedule 40 Galvanized Steel Nipple .....	21.50	10.71
	<i>For Schedule 80 Nipples, Add</i>	6.19	
	<i>For ASTM 120, Deduct</i>	-0.81	
	<i>For Work In Restricted Working Space, Add</i>	4.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0183 EA 2" x Close, Schedule 40 Galvanized Steel Nipple .....	28.39	13.79
<i>For Schedule 80 Nipples, Add</i>	8.72	
<i>For ASTM 120, Deduct</i>	-1.15	
<i>For Work In Restricted Working Space, Add</i>	6.22	
22 11 16 00-0184 EA 2-1/2" x Close, Schedule 40 Galvanized Steel Nipple .....	48.48	17.16
<i>For Schedule 80 Nipples, Add</i>	25.96	
<i>For ASTM 120, Deduct</i>	-3.42	
<i>For Work In Restricted Working Space, Add</i>	7.71	
22 11 16 00-0185 EA 3" x Close, Schedule 40 Galvanized Steel Nipple .....	58.38	20.73
<i>For Schedule 80 Nipples, Add</i>	31.10	
<i>For ASTM 120, Deduct</i>	-4.09	
<i>For Work In Restricted Working Space, Add</i>	9.33	
22 11 16 00-0186 EA 4" x Close, Schedule 40 Galvanized Steel Nipple .....	77.55	24.47
<i>For Schedule 80 Nipples, Add</i>	46.61	
<i>For ASTM 120, Deduct</i>	-6.13	
<i>For Work In Restricted Working Space, Add</i>	11.00	
22 11 16 00-0187 EA 3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	16.71	9.16
<i>For Schedule 80 Nipples, Add</i>	3.35	
<i>For ASTM 120, Deduct</i>	-0.44	
<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0188 EA 1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	15.95	9.16
<i>For Schedule 80 Nipples, Add</i>	2.49	
<i>For ASTM 120, Deduct</i>	-0.33	
<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0189 EA 3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	16.51	9.16
<i>For Schedule 80 Nipples, Add</i>	3.12	
<i>For ASTM 120, Deduct</i>	-0.41	
<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0190 EA 3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple .....	16.71	9.16
<i>For Schedule 80 Nipples, Add</i>	3.35	
<i>For ASTM 120, Deduct</i>	-0.44	
<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0191 EA 1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple .....	15.95	9.16
<i>For Schedule 80 Nipples, Add</i>	2.49	
<i>For ASTM 120, Deduct</i>	-0.33	
<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0192 EA 3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple .....	16.51	9.16
<i>For Schedule 80 Nipples, Add</i>	3.12	
<i>For ASTM 120, Deduct</i>	-0.41	
<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0193 EA 1" x 2" Long, Schedule 40 Galvanized Steel Nipple .....	18.90	9.93
<i>For Schedule 80 Nipples, Add</i>	4.64	
<i>For ASTM 120, Deduct</i>	-0.61	
<i>For Work In Restricted Working Space, Add</i>	4.45	
22 11 16 00-0194 EA 1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple .....	21.03	10.71
<i>For Schedule 80 Nipples, Add</i>	5.65	
<i>For ASTM 120, Deduct</i>	-0.74	
<i>For Work In Restricted Working Space, Add</i>	4.82	
22 11 16 00-0195 EA 1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple .....	21.90	10.71
<i>For Schedule 80 Nipples, Add</i>	6.65	
<i>For ASTM 120, Deduct</i>	-0.87	
<i>For Work In Restricted Working Space, Add</i>	4.82	
22 11 16 00-0196 EA 3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	17.68	9.16
<i>For Schedule 80 Nipples, Add</i>	4.46	
<i>For ASTM 120, Deduct</i>	-0.59	
<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0197 EA 1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	16.33	9.16
<i>For Schedule 80 Nipples, Add</i>	2.92	
<i>For ASTM 120, Deduct</i>	-0.38	
<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0198 EA 3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	16.79	9.16
<i>For Schedule 80 Nipples, Add</i>	3.44	
<i>For ASTM 120, Deduct</i>	-0.45	
<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0199 EA 1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	19.23	9.93
<i>For Schedule 80 Nipples, Add</i>	5.02	
<i>For ASTM 120, Deduct</i>	-0.66	
<i>For Work In Restricted Working Space, Add</i>	4.45	
22 11 16 00-0200 EA 1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	21.52	10.71
<i>For Schedule 80 Nipples, Add</i>	6.21	
<i>For ASTM 120, Deduct</i>	-0.82	
<i>For Work In Restricted Working Space, Add</i>	4.82	
22 11 16 00-0201 EA 1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	22.56	10.71
<i>For Schedule 80 Nipples, Add</i>	7.40	
<i>For ASTM 120, Deduct</i>	-0.97	
<i>For Work In Restricted Working Space, Add</i>	4.82	
22 11 16 00-0202 EA 2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	29.35	13.79
<i>For Schedule 80 Nipples, Add</i>	9.82	
<i>For ASTM 120, Deduct</i>	-1.29	
<i>For Work In Restricted Working Space, Add</i>	6.22	
22 11 16 00-0203 EA 3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple .....	17.68	9.16
<i>For Schedule 80 Nipples, Add</i>	4.46	
<i>For ASTM 120, Deduct</i>	-0.59	
<i>For Work In Restricted Working Space, Add</i>	4.13	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0204	EA		1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	16.33	9.16
			<i>For Schedule 80 Nipples, Add</i>	2.92	
			<i>For ASTM 120, Deduct</i>	-0.38	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0205	EA		3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	16.79	9.16
			<i>For Schedule 80 Nipples, Add</i>	3.44	
			<i>For ASTM 120, Deduct</i>	-0.45	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0206	EA		1" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	19.23	9.93
			<i>For Schedule 80 Nipples, Add</i>	5.02	
			<i>For ASTM 120, Deduct</i>	-0.66	
			<i>For Work In Restricted Working Space, Add</i>	4.45	
22 11 16 00-0207	EA		1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple .....	21.52	10.71
			<i>For Schedule 80 Nipples, Add</i>	6.21	
			<i>For ASTM 120, Deduct</i>	-0.82	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
22 11 16 00-0208	EA		1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple .....	22.56	10.71
			<i>For Schedule 80 Nipples, Add</i>	7.40	
			<i>For ASTM 120, Deduct</i>	-0.97	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
22 11 16 00-0209	EA		2" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	29.35	13.79
			<i>For Schedule 80 Nipples, Add</i>	9.82	
			<i>For ASTM 120, Deduct</i>	-1.29	
			<i>For Work In Restricted Working Space, Add</i>	6.22	
22 11 16 00-0210	EA		2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple .....	49.35	17.16
			<i>For Schedule 80 Nipples, Add</i>	26.95	
			<i>For ASTM 120, Deduct</i>	-3.55	
			<i>For Work In Restricted Working Space, Add</i>	7.71	
22 11 16 00-0211	EA		3" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	62.14	20.73
			<i>For Schedule 80 Nipples, Add</i>	35.39	
			<i>For ASTM 120, Deduct</i>	-4.66	
			<i>For Work In Restricted Working Space, Add</i>	9.33	
22 11 16 00-0212	EA		3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	18.42	9.16
			<i>For Schedule 80 Nipples, Add</i>	5.30	
			<i>For ASTM 120, Deduct</i>	-0.70	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0213	EA		1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	16.93	9.16
			<i>For Schedule 80 Nipples, Add</i>	3.60	
			<i>For ASTM 120, Deduct</i>	-0.47	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0214	EA		3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	17.68	9.16
			<i>For Schedule 80 Nipples, Add</i>	4.46	
			<i>For ASTM 120, Deduct</i>	-0.59	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0215	EA		1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	20.12	9.93
			<i>For Schedule 80 Nipples, Add</i>	6.03	
			<i>For ASTM 120, Deduct</i>	-0.79	
			<i>For Work In Restricted Working Space, Add</i>	4.45	
22 11 16 00-0216	EA		1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	22.56	10.71
			<i>For Schedule 80 Nipples, Add</i>	7.40	
			<i>For ASTM 120, Deduct</i>	-0.97	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
22 11 16 00-0217	EA		1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	24.27	10.71
			<i>For Schedule 80 Nipples, Add</i>	9.35	
			<i>For ASTM 120, Deduct</i>	-1.23	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
22 11 16 00-0218	EA		2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	31.19	13.79
			<i>For Schedule 80 Nipples, Add</i>	11.91	
			<i>For ASTM 120, Deduct</i>	-1.57	
			<i>For Work In Restricted Working Space, Add</i>	6.22	
22 11 16 00-0219	EA		2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	53.15	17.16
			<i>For Schedule 80 Nipples, Add</i>	31.28	
			<i>For ASTM 120, Deduct</i>	-4.12	
			<i>For Work In Restricted Working Space, Add</i>	7.71	
22 11 16 00-0220	EA		3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	67.52	20.73
			<i>For Schedule 80 Nipples, Add</i>	41.52	
			<i>For ASTM 120, Deduct</i>	-5.46	
			<i>For Work In Restricted Working Space, Add</i>	9.33	
22 11 16 00-0221	EA		3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	18.42	9.16
			<i>For Schedule 80 Nipples, Add</i>	5.30	
			<i>For ASTM 120, Deduct</i>	-0.70	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0222	EA		1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	16.93	9.16
			<i>For Schedule 80 Nipples, Add</i>	3.60	
			<i>For ASTM 120, Deduct</i>	-0.47	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0223	EA		3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	18.42	9.16
			<i>For Schedule 80 Nipples, Add</i>	5.30	
			<i>For ASTM 120, Deduct</i>	-0.70	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0224	EA		1" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	20.12	9.93
			<i>For Schedule 80 Nipples, Add</i>	6.03	
			<i>For ASTM 120, Deduct</i>	-0.79	
			<i>For Work In Restricted Working Space, Add</i>	4.45	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0225	EA			1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.56 7.40 -0.97 4.82	10.71
22 11 16 00-0226	EA			1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.27 9.35 -1.23 4.82	10.71
22 11 16 00-0227	EA			2" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	31.28 12.02 -1.58 6.22	13.79
22 11 16 00-0228	EA			2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	53.15 31.28 -4.12 7.71	17.16
22 11 16 00-0229	EA			3" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	67.52 41.52 -5.46 9.33	20.73
22 11 16 00-0230	EA			4" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	85.56 55.75 -7.34 11.00	24.47
22 11 16 00-0231	EA			3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.17 7.30 -0.96 4.13	9.16
22 11 16 00-0232	EA			1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.57 4.33 -0.57 4.13	9.16
22 11 16 00-0233	EA			3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.44 5.32 -0.70 4.13	9.16
22 11 16 00-0234	EA			1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.32 7.40 -0.97 4.45	9.93
22 11 16 00-0235	EA			1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.10 9.15 -1.20 4.82	10.71
22 11 16 00-0236	EA			1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.99 11.31 -1.49 4.82	10.71
22 11 16 00-0237	EA			2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	34.08 15.21 -2.00 6.22	13.79
22 11 16 00-0238	EA			2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	56.31 34.88 -4.59 7.71	17.16
22 11 16 00-0239	EA			3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	73.55 48.39 -6.37 9.33	20.73
22 11 16 00-0240	EA			4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	91.49 62.51 -8.22 11.00	24.47
22 11 16 00-0241	EA			3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.17 7.30 -0.96 4.13	9.16
22 11 16 00-0242	EA			1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.57 4.33 -0.57 4.13	9.16
22 11 16 00-0243	EA			3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.44 5.32 -0.70 4.13	9.16
22 11 16 00-0244	EA			1" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.32 7.40 -0.97 4.45	9.93
22 11 16 00-0245	EA			1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.10 9.15 -1.20 4.82	10.71

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0246	EA		1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple .....	25.99	10.71
			<i>For Schedule 80 Nipples, Add</i>	11.31	
			<i>For ASTM 120, Deduct</i>	-1.49	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
22 11 16 00-0247	EA		2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	34.08	13.79
			<i>For Schedule 80 Nipples, Add</i>	15.21	
			<i>For ASTM 120, Deduct</i>	-2.00	
			<i>For Work In Restricted Working Space, Add</i>	6.22	
22 11 16 00-0248	EA		2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple .....	56.31	17.16
			<i>For Schedule 80 Nipples, Add</i>	34.88	
			<i>For ASTM 120, Deduct</i>	-4.59	
			<i>For Work In Restricted Working Space, Add</i>	7.71	
22 11 16 00-0249	EA		3" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	73.55	20.73
			<i>For Schedule 80 Nipples, Add</i>	48.39	
			<i>For ASTM 120, Deduct</i>	-6.37	
			<i>For Work In Restricted Working Space, Add</i>	9.33	
22 11 16 00-0250	EA		4" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	91.49	24.47
			<i>For Schedule 80 Nipples, Add</i>	62.51	
			<i>For ASTM 120, Deduct</i>	-8.22	
			<i>For Work In Restricted Working Space, Add</i>	11.00	
22 11 16 00-0251	EA		3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	20.89	9.16
			<i>For Schedule 80 Nipples, Add</i>	8.12	
			<i>For ASTM 120, Deduct</i>	-1.07	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0252	EA		1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	18.08	9.16
			<i>For Schedule 80 Nipples, Add</i>	4.91	
			<i>For ASTM 120, Deduct</i>	-0.65	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0253	EA		3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	19.37	9.16
			<i>For Schedule 80 Nipples, Add</i>	6.38	
			<i>For ASTM 120, Deduct</i>	-0.84	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0254	EA		1" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	22.19	9.93
			<i>For Schedule 80 Nipples, Add</i>	8.39	
			<i>For ASTM 120, Deduct</i>	-1.10	
			<i>For Work In Restricted Working Space, Add</i>	4.45	
22 11 16 00-0255	EA		1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple .....	25.39	10.71
			<i>For Schedule 80 Nipples, Add</i>	10.62	
			<i>For ASTM 120, Deduct</i>	-1.40	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
22 11 16 00-0256	EA		1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple .....	27.23	10.71
			<i>For Schedule 80 Nipples, Add</i>	12.72	
			<i>For ASTM 120, Deduct</i>	-1.67	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
22 11 16 00-0257	EA		2" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	36.24	13.79
			<i>For Schedule 80 Nipples, Add</i>	17.67	
			<i>For ASTM 120, Deduct</i>	-2.33	
			<i>For Work In Restricted Working Space, Add</i>	6.22	
22 11 16 00-0258	EA		2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple .....	59.33	17.16
			<i>For Schedule 80 Nipples, Add</i>	38.33	
			<i>For ASTM 120, Deduct</i>	-5.04	
			<i>For Work In Restricted Working Space, Add</i>	7.71	
22 11 16 00-0259	EA		3" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	75.99	20.73
			<i>For Schedule 80 Nipples, Add</i>	51.17	
			<i>For ASTM 120, Deduct</i>	-6.73	
			<i>For Work In Restricted Working Space, Add</i>	9.33	
22 11 16 00-0260	EA		4" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	97.27	24.47
			<i>For Schedule 80 Nipples, Add</i>	69.10	
			<i>For ASTM 120, Deduct</i>	-9.09	
			<i>For Work In Restricted Working Space, Add</i>	11.00	
22 11 16 00-0261	EA		3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	42.21	9.16
			<i>For Schedule 80 Nipples, Add</i>	32.42	
			<i>For ASTM 120, Deduct</i>	-4.27	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0262	EA		1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	21.37	9.16
			<i>For Schedule 80 Nipples, Add</i>	8.66	
			<i>For ASTM 120, Deduct</i>	-1.14	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0263	EA		3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	23.49	9.16
			<i>For Schedule 80 Nipples, Add</i>	11.08	
			<i>For ASTM 120, Deduct</i>	-1.46	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
22 11 16 00-0264	EA		1" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	27.15	9.93
			<i>For Schedule 80 Nipples, Add</i>	14.04	
			<i>For ASTM 120, Deduct</i>	-1.85	
			<i>For Work In Restricted Working Space, Add</i>	4.45	
22 11 16 00-0265	EA		1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple .....	31.17	10.71
			<i>For Schedule 80 Nipples, Add</i>	17.21	
			<i>For ASTM 120, Deduct</i>	-2.27	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
22 11 16 00-0266	EA		1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple .....	33.39	10.71
			<i>For Schedule 80 Nipples, Add</i>	19.74	
			<i>For ASTM 120, Deduct</i>	-2.60	
			<i>For Work In Restricted Working Space, Add</i>	4.82	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0267	EA			2" x 8" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	46.00 28.80 -3.79 6.22	13.79
22 11 16 00-0268	EA			2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	68.98 49.33 -6.49 7.71	17.16
22 11 16 00-0269	EA			3" x 8" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	91.58 68.95 -9.07 9.33	20.73
22 11 16 00-0270	EA			4" x 8" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	108.99 82.46 -10.85 11.00	24.47
22 11 16 00-0271	EA			3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	27.33 15.46 -2.03 4.13	9.16
22 11 16 00-0272	EA			1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.80 10.29 -1.35 4.13	9.16
22 11 16 00-0273	EA			3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.55 12.29 -1.62 4.13	9.16
22 11 16 00-0274	EA			1" x 10" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	28.91 16.05 -2.11 4.45	9.93
22 11 16 00-0275	EA			1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	34.13 20.59 -2.71 4.82	10.71
22 11 16 00-0276	EA			1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	36.26 23.02 -3.03 4.82	10.71
22 11 16 00-0277	EA			2" x 10" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	50.29 33.69 -4.43 6.22	13.79
22 11 16 00-0278	EA			2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	75.03 56.22 -7.40 7.71	17.16
22 11 16 00-0279	EA			3" x 10" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	100.10 78.66 -10.35 9.33	20.73
22 11 16 00-0280	EA			4" x 10" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	120.49 95.57 -12.57 11.00	24.47
22 11 16 00-0281	EA			3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	28.80 17.13 -2.25 4.13	9.16
22 11 16 00-0282	EA			1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.04 11.71 -1.54 4.13	9.16
22 11 16 00-0283	EA			3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.87 13.79 -1.82 4.13	9.16
22 11 16 00-0284	EA			1" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	31.22 18.68 -2.46 4.45	9.93
22 11 16 00-0285	EA			1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	37.75 24.72 -3.25 4.82	10.71
22 11 16 00-0286	EA			1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	39.17 26.33 -3.47 4.82	10.71
22 11 16 00-0287	EA			2" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	54.65 38.66 -5.09 6.22	13.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0288 EA 2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple .....	80.90	17.16
For Schedule 80 Nipples, Add	62.92	
For ASTM 120, Deduct	-8.28	
For Work In Restricted Working Space, Add	7.71	
22 11 16 00-0289 EA 3" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	108.68	20.73
For Schedule 80 Nipples, Add	88.44	
For ASTM 120, Deduct	-11.64	
For Work In Restricted Working Space, Add	9.33	
22 11 16 00-0290 EA 4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	132.09	24.47
For Schedule 80 Nipples, Add	108.79	
For ASTM 120, Deduct	-14.31	
For Work In Restricted Working Space, Add	11.00	
<b>22 11 16 00-0291 Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)</b>		
22 11 16 00-0292 EA 1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	16.40	6.85
For 300 LB Rating, Add	21.42	
For Work In Restricted Working Space, Add	3.08	
22 11 16 00-0293 EA 3/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	17.63	7.71
For 300 LB Rating, Add	21.50	
For Work In Restricted Working Space, Add	3.45	
22 11 16 00-0294 EA 1", 150 LB, Galvanized Malleable Iron Square Head Plug.....	19.56	8.58
For 300 LB Rating, Add	23.59	
For Work In Restricted Working Space, Add	3.86	
22 11 16 00-0295 EA 1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	24.87	9.74
For 300 LB Rating, Add	35.96	
For Work In Restricted Working Space, Add	4.37	
22 11 16 00-0296 EA 1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	30.31	10.90
For 300 LB Rating, Add	48.24	
For Work In Restricted Working Space, Add	4.92	
22 11 16 00-0297 EA 2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	38.52	13.88
For 300 LB Rating, Add	61.33	
For Work In Restricted Working Space, Add	6.26	
22 11 16 00-0298 EA 2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	65.32	20.54
For 300 LB Rating, Add	119.02	
For Work In Restricted Working Space, Add	9.26	
22 11 16 00-0299 EA 3", 150 LB, Galvanized Malleable Iron Square Head Plug.....	89.49	27.10
For 300 LB Rating, Add	168.66	
For Work In Restricted Working Space, Add	12.18	
22 11 16 00-0300 EA 4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	144.28	28.50
For 300 LB Rating, Add	347.70	
For Work In Restricted Working Space, Add	12.83	
22 11 16 00-0301 EA 5", 150 LB, Galvanized Malleable Iron Square Head Plug.....	230.87	29.78
For 300 LB Rating, Add	635.89	
For Work In Restricted Working Space, Add	13.39	
22 11 16 00-0302 EA 6", 150 LB, Galvanized Malleable Iron Square Head Plug.....	248.00	31.06
For 300 LB Rating, Add	687.36	
For Work In Restricted Working Space, Add	14.00	
<b>22 11 16 00-0303 Galvanized Malleable Iron Bushing (22 11 16 00-0013)</b>		
22 11 16 00-0304 EA 3/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	42.66	18.13
For Work In Restricted Working Space, Add	8.18	
22 11 16 00-0305 EA 1" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	47.36	19.29
For Work In Restricted Working Space, Add	8.68	
22 11 16 00-0306 EA 1" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	47.93	20.34
For Work In Restricted Working Space, Add	9.14	
22 11 16 00-0307 EA 1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	56.87	20.73
For Work In Restricted Working Space, Add	9.32	
22 11 16 00-0308 EA 1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	56.06	21.70
For Work In Restricted Working Space, Add	9.77	
22 11 16 00-0309 EA 1-1/4" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	57.74	22.85
For Work In Restricted Working Space, Add	10.28	
22 11 16 00-0310 EA 1-1/2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	67.49	22.27
For Work In Restricted Working Space, Add	10.01	
22 11 16 00-0311 EA 1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	69.02	23.24
For Work In Restricted Working Space, Add	10.47	
22 11 16 00-0312 EA 1-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	67.36	24.40
For Work In Restricted Working Space, Add	10.98	
22 11 16 00-0313 EA 1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	67.09	25.84
For Work In Restricted Working Space, Add	11.61	
22 11 16 00-0314 EA 2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	81.54	25.94
For Work In Restricted Working Space, Add	11.68	
22 11 16 00-0315 EA 2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	80.11	27.00
For Work In Restricted Working Space, Add	12.14	
22 11 16 00-0316 EA 2" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	79.62	28.06
For Work In Restricted Working Space, Add	12.64	
22 11 16 00-0317 EA 2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	81.74	29.51
For Work In Restricted Working Space, Add	13.28	
22 11 16 00-0318 EA 2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	79.45	31.05
For Work In Restricted Working Space, Add	13.97	
22 11 16 00-0319 EA 2-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	114.64	35.29
For Work In Restricted Working Space, Add	15.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0320	EA		2-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	116.31	36.45
			<i>For Work In Restricted Working Space, Add</i>	16.39	
22 11 16 00-0321	EA		2-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	118.43	37.80
			<i>For Work In Restricted Working Space, Add</i>	17.03	
22 11 16 00-0322	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	119.62	39.44
			<i>For Work In Restricted Working Space, Add</i>	17.73	
22 11 16 00-0323	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Bushing.....	118.26	43.10
			<i>For Work In Restricted Working Space, Add</i>	19.39	
22 11 16 00-0324	EA		3" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	146.56	43.39
			<i>For Work In Restricted Working Space, Add</i>	19.55	
22 11 16 00-0325	EA		3" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	148.23	44.55
			<i>For Work In Restricted Working Space, Add</i>	20.05	
22 11 16 00-0326	EA		3" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	150.35	45.99
			<i>For Work In Restricted Working Space, Add</i>	20.68	
22 11 16 00-0327	EA		3" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	151.08	47.53
			<i>For Work In Restricted Working Space, Add</i>	21.38	
22 11 16 00-0328	EA		3" x 2", 150 LB, Galvanized Malleable Iron Bushing.....	149.17	51.20
			<i>For Work In Restricted Working Space, Add</i>	23.04	
22 11 16 00-0329	EA		3" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	165.87	59.59
			<i>For Work In Restricted Working Space, Add</i>	26.79	
22 11 16 00-0330	EA		4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	237.76	44.73
			<i>For Work In Restricted Working Space, Add</i>	20.15	
22 11 16 00-0331	EA		4" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	239.35	45.82
			<i>For Work In Restricted Working Space, Add</i>	20.62	
22 11 16 00-0332	EA		4" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	241.37	47.20
			<i>For Work In Restricted Working Space, Add</i>	21.23	
22 11 16 00-0333	EA		4" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	243.57	48.67
			<i>For Work In Restricted Working Space, Add</i>	21.89	
22 11 16 00-0334	EA		4" x 2", 150 LB, Galvanized Malleable Iron Bushing.....	228.76	52.15
			<i>For Work In Restricted Working Space, Add</i>	23.47	
22 11 16 00-0335	EA		4" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	260.73	60.12
			<i>For Work In Restricted Working Space, Add</i>	27.04	
22 11 16 00-0336	EA		4" x 3", 150 LB, Galvanized Malleable Iron Bushing.....	261.03	67.82
			<i>For Work In Restricted Working Space, Add</i>	30.51	
<b>22 11 16 00-0337</b>			<b>Galvanized Malleable Iron Floor Flange</b> <small>(22 11 16 00-0013)</small>		
			Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-0001 for anchors.		
22 11 16 00-0338	EA		1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	59.63	35.24
22 11 16 00-0339	EA		3/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	65.18	38.57
22 11 16 00-0340	EA		1", 150 LB, Galvanized Malleable Iron Floor Flange.....	74.90	43.58
22 11 16 00-0341	EA		1-1/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	77.84	45.13
22 11 16 00-0342	EA		1-1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	84.72	49.08
22 11 16 00-0343	EA		2", 150 LB, Galvanized Malleable Iron Floor Flange.....	91.31	51.20
<b>22 11 16 00-0344</b>			<b>Galvanized Cast Iron Flanges</b> <small>(22 11 16 00-0013)</small>		
			Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
22 11 16 00-0345	EA		3/4", 125 LB, Galvanized Cast Iron Flange.....	115.03	38.57
			<i>For Work In Restricted Working Space, Add</i>	17.36	
22 11 16 00-0346	EA		1", 125 LB, Galvanized Cast Iron Flange.....	109.64	43.58
			<i>For Work In Restricted Working Space, Add</i>	19.61	
22 11 16 00-0347	EA		1-1/4", 125 LB, Galvanized Cast Iron Flange.....	91.06	45.13
			<i>For Work In Restricted Working Space, Add</i>	20.30	
22 11 16 00-0348	EA		1-1/2", 125 LB, Galvanized Cast Iron Flange.....	125.61	49.08
			<i>For Work In Restricted Working Space, Add</i>	22.08	
22 11 16 00-0349	EA		2", 125 LB, Galvanized Cast Iron Flange.....	122.55	51.20
			<i>For Work In Restricted Working Space, Add</i>	23.05	
22 11 16 00-0350	EA		2-1/2", 125 LB, Galvanized Cast Iron Flange.....	142.35	59.30
			<i>For Work In Restricted Working Space, Add</i>	26.66	
22 11 16 00-0351	EA		3", 125 LB, Galvanized Cast Iron Flange.....	257.21	75.21
			<i>For Work In Restricted Working Space, Add</i>	33.82	
22 11 16 00-0352	EA		4", 125 LB, Galvanized Cast Iron Flange.....	343.37	97.79
			<i>For Work In Restricted Working Space, Add</i>	43.98	
22 11 16 00-0353	EA		5", 125 LB, Galvanized Cast Iron Flange.....	483.43	116.40
			<i>For Work In Restricted Working Space, Add</i>	52.36	
22 11 16 00-0354	EA		6", 125 LB, Galvanized Cast Iron Flange.....	530.68	133.72
			<i>For Work In Restricted Working Space, Add</i>	60.15	
22 11 16 00-0355	EA		8", 125 LB, Galvanized Cast Iron Flange.....	487.28	152.83
			<i>For Work In Restricted Working Space, Add</i>	68.74	
<b>22 11 16 00-0356</b>			<b>Cut And Thread Existing In-Place Galvanized Steel Pipe</b> <small>(22 11 16 00-0013)</small>		
			Note: For use when connecting pipe to an existing in-place system.		
22 11 16 00-0357	EA		1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	31.41	
			<i>For Work In Restricted Working Space, Add</i>	9.42	
22 11 16 00-0358	EA		3/4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	34.55	
			<i>For Work In Restricted Working Space, Add</i>	10.37	
22 11 16 00-0359	EA		1", Cut And Thread Existing In Place Galvanized Steel Pipe.....	37.70	
			<i>For Work In Restricted Working Space, Add</i>	11.31	
22 11 16 00-0360	EA		1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	40.83	
			<i>For Work In Restricted Working Space, Add</i>	12.25	
22 11 16 00-0361	EA		1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	42.92	
			<i>For Work In Restricted Working Space, Add</i>	12.88	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0362	EA		2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	45.02	
			<i>For Work In Restricted Working Space, Add</i>	13.51	
22 11 16 00-0363	EA		2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	47.12	
			<i>For Work In Restricted Working Space, Add</i>	14.14	
22 11 16 00-0364	EA		3", Cut And Thread Existing In Place Galvanized Steel Pipe.....	49.21	
			<i>For Work In Restricted Working Space, Add</i>	14.76	
22 11 16 00-0365	EA		4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	51.30	
			<i>For Work In Restricted Working Space, Add</i>	15.39	
22 11 16 00-0366	EA		6", Cut And Thread Existing In Place Galvanized Steel Pipe.....	55.49	
			<i>For Work In Restricted Working Space, Add</i>	16.65	
22 11 16 00-0367	EA		8", Cut And Thread Existing In Place Galvanized Steel Pipe.....	59.67	
			<i>For Work In Restricted Working Space, Add</i>	17.90	
22 11 16 00-0368			<b>Copper Pipe And Fittings</b> <small>(22 11 16)</small>		
			Note: Excludes hangers. See CSI section 22 11 16 00-0899 for pipe with fittings assembly.		
22 11 16 00-0369			<b>Copper Tube/Pipe</b> <small>(22 11 16 00-0368)</small>		
			Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
22 11 16 00-0370			<b>Hard Drawn Type L Copper Tube/Pipe</b> <small>(22 11 16 00-0369)</small>		
22 11 16 00-0371	LF		1/4" Hard Drawn Type L Copper Tube/Pipe.....	5.34	2.36
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.14	
			<i>For Up To 20, Add</i>	0.58	
			<i>For &gt;150, Deduct</i>	-0.18	
			<i>For Work In Restricted Working Space, Add</i>	1.06	
22 11 16 00-0372	LF		3/8" Hard Drawn Type L Copper Tube/Pipe.....	6.32	2.45
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.21	
			<i>For Up To 20, Add</i>	0.70	
			<i>For &gt;150, Deduct</i>	-0.26	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
22 11 16 00-0373	LF		1/2" Hard Drawn Type L Copper Tube/Pipe.....	6.98	2.56
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.25	
			<i>For Up To 20, Add</i>	0.78	
			<i>For &gt;150, Deduct</i>	-0.31	
			<i>For Work In Restricted Working Space, Add</i>	1.15	
22 11 16 00-0374	LF		3/4" Hard Drawn Type L Copper Tube/Pipe.....	9.18	2.71
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.41	
			<i>For Up To 20, Add</i>	1.05	
			<i>For &gt;150, Deduct</i>	-0.51	
			<i>For Work In Restricted Working Space, Add</i>	1.22	
22 11 16 00-0375	LF		1" Hard Drawn Type L Copper Tube/Pipe.....	11.96	3.04
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.59	
			<i>For Up To 20, Add</i>	1.38	
			<i>For &gt;150, Deduct</i>	-0.74	
			<i>For Work In Restricted Working Space, Add</i>	1.37	
22 11 16 00-0376	LF		1-1/4" Hard Drawn Type L Copper Tube/Pipe.....	16.98	4.53
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.82	
			<i>For Up To 20, Add</i>	1.95	
			<i>For &gt;150, Deduct</i>	-1.02	
			<i>For Work In Restricted Working Space, Add</i>	2.04	
22 11 16 00-0377	LF		1-1/2" Hard Drawn Type L Copper Tube/Pipe.....	20.69	5.06
			<i>For Medical/Oxygen Service Tubing, Add</i>	1.05	
			<i>For Up To 20, Add</i>	2.40	
			<i>For &gt;150, Deduct</i>	-1.31	
			<i>For Work In Restricted Working Space, Add</i>	2.27	
22 11 16 00-0378	LF		2" Hard Drawn Type L Copper Tube/Pipe.....	30.09	6.24
			<i>For Medical/Oxygen Service Tubing, Add</i>	1.66	
			<i>For Up To 20, Add</i>	3.53	
			<i>For &gt;150, Deduct</i>	-2.07	
			<i>For Work In Restricted Working Space, Add</i>	2.81	
22 11 16 00-0379	LF		2-1/2" Hard Drawn Type L Copper Tube/Pipe.....	51.99	7.34
			<i>For Medical/Oxygen Service Tubing, Add</i>	2.40	
			<i>For Up To 20, Add</i>	5.95	
			<i>For &gt;150, Deduct</i>	-3.00	
			<i>For Work In Restricted Working Space, Add</i>	6.61	
22 11 16 00-0380	LF		3" Hard Drawn Type L Copper Tube/Pipe.....	65.88	8.65
			<i>For Medical/Oxygen Service Tubing, Add</i>	3.20	
			<i>For Up To 20, Add</i>	7.59	
			<i>For &gt;150, Deduct</i>	-4.00	
			<i>For Work In Restricted Working Space, Add</i>	7.78	
22 11 16 00-0381	LF		4" Hard Drawn Type L Copper Tube/Pipe.....	100.47	9.76
			<i>For Medical/Oxygen Service Tubing, Add</i>	5.70	
			<i>For Up To 20, Add</i>	11.83	
			<i>For &gt;150, Deduct</i>	-7.12	
			<i>For Work In Restricted Working Space, Add</i>	8.78	
22 11 16 00-0382	LF		5" Hard Drawn Type L Copper Tube/Pipe.....	159.37	11.20
			<i>For Medical/Oxygen Service Tubing, Add</i>	10.06	
			<i>For Up To 20, Add</i>	19.08	
			<i>For &gt;150, Deduct</i>	-12.58	
			<i>For Work In Restricted Working Space, Add</i>	10.08	
22 11 16 00-0383	LF		6" Hard Drawn Type L Copper Tube/Pipe.....	217.54	17.36
			<i>For Medical/Oxygen Service Tubing, Add</i>	13.24	
			<i>For Up To 20, Add</i>	25.89	
			<i>For &gt;150, Deduct</i>	-16.55	
			<i>For Work In Restricted Working Space, Add</i>	15.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0384 LF 8" Hard Drawn Type L Copper Tube/Pipe .....	369.73	19.31
For Medical/Oxygen Service Tubing, Add	24.95	
For Up To 20, Add	44.77	
For >150, Deduct	-31.19	
For Work In Restricted Working Space, Add	17.36	
<b>22 11 16 00-0385 Hard Drawn Type K Copper Tube/Pipe (22 11 16 00-0369)</b>		
22 11 16 00-0386 LF 1/4" Hard Drawn Type K Copper Tube/Pipe .....	5.83	2.53
For Medical/Oxygen Service Tubing, Add	0.16	
For Up To 20, Add	0.63	
For >150, Deduct	-0.20	
For Work In Restricted Working Space, Add	1.14	
22 11 16 00-0387 LF 3/8" Hard Drawn Type K Copper Tube/Pipe .....	7.98	2.64
For Medical/Oxygen Service Tubing, Add	0.29	
For Up To 20, Add	0.89	
For >150, Deduct	-0.36	
For Work In Restricted Working Space, Add	1.30	
22 11 16 00-0388 LF 1/2" Hard Drawn Type K Copper Tube/Pipe .....	8.50	2.74
For Medical/Oxygen Service Tubing, Add	0.34	
For Up To 20, Add	0.96	
For >150, Deduct	-0.43	
For Work In Restricted Working Space, Add	1.27	
22 11 16 00-0389 LF 3/4" Hard Drawn Type K Copper Tube/Pipe .....	12.61	2.91
For Medical/Oxygen Service Tubing, Add	0.62	
For Up To 20, Add	1.45	
For >150, Deduct	-0.77	
For Work In Restricted Working Space, Add	1.47	
22 11 16 00-0390 LF 1" Hard Drawn Type K Copper Tube/Pipe .....	15.45	3.27
For Medical/Oxygen Service Tubing, Add	0.82	
For Up To 20, Add	1.80	
For >150, Deduct	-1.02	
For Work In Restricted Working Space, Add	1.56	
22 11 16 00-0391 LF 1-1/4" Hard Drawn Type K Copper Tube/Pipe .....	20.14	4.87
For Medical/Oxygen Service Tubing, Add	1.02	
For Up To 20, Add	2.33	
For >150, Deduct	-1.28	
For Work In Restricted Working Space, Add	2.22	
22 11 16 00-0392 LF 1-1/2" Hard Drawn Type K Copper Tube/Pipe .....	24.64	5.43
For Medical/Oxygen Service Tubing, Add	1.31	
For Up To 20, Add	2.87	
For >150, Deduct	-1.63	
For Work In Restricted Working Space, Add	2.49	
22 11 16 00-0393 LF 2" Hard Drawn Type K Copper Tube/Pipe .....	35.28	6.71
For Medical/Oxygen Service Tubing, Add	2.01	
For Up To 20, Add	4.16	
For >150, Deduct	-2.51	
For Work In Restricted Working Space, Add	3.05	
22 11 16 00-0394 LF 2-1/2" Hard Drawn Type K Copper Tube/Pipe .....	59.55	7.88
For Medical/Oxygen Service Tubing, Add	2.99	
For Up To 20, Add	6.89	
For >150, Deduct	-3.74	
For Work In Restricted Working Space, Add	6.64	
22 11 16 00-0395 LF 3" Hard Drawn Type K Copper Tube/Pipe .....	79.66	9.30
For Medical/Oxygen Service Tubing, Add	4.09	
For Up To 20, Add	9.24	
For >150, Deduct	-5.11	
For Work In Restricted Working Space, Add	8.56	
22 11 16 00-0396 LF 4" Hard Drawn Type K Copper Tube/Pipe .....	123.46	10.49
For Medical/Oxygen Service Tubing, Add	7.29	
For Up To 20, Add	14.62	
For >150, Deduct	-9.11	
For Work In Restricted Working Space, Add	9.70	
22 11 16 00-0397 LF 5" Hard Drawn Type K Copper Tube/Pipe .....	205.18	12.05
For Medical/Oxygen Service Tubing, Add	13.36	
For Up To 20, Add	24.69	
For >150, Deduct	-16.70	
For Work In Restricted Working Space, Add	11.45	
22 11 16 00-0398 LF 6" Hard Drawn Type K Copper Tube/Pipe .....	301.15	18.67
For Medical/Oxygen Service Tubing, Add	19.17	
For Up To 20, Add	36.11	
For >150, Deduct	-23.96	
For Work In Restricted Working Space, Add	18.45	
22 11 16 00-0399 LF 8" Hard Drawn Type K Copper Tube/Pipe .....	516.52	20.75
For Medical/Oxygen Service Tubing, Add	35.90	
For Up To 20, Add	62.87	
For >150, Deduct	-44.87	
For Work In Restricted Working Space, Add	20.33	
<b>22 11 16 00-0400 Hard Drawn Type M Copper Tube/Pipe (22 11 16 00-0369)</b>		
22 11 16 00-0401 LF 3/8" Hard Drawn Type M Copper Tube/Pipe .....	5.23	2.21
For Up To 20, Add	0.57	
For >150, Deduct	-0.21	
For Work In Restricted Working Space, Add	0.95	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0402	LF	1/2"	Hard Drawn Type M Copper Tube/Pipe.....	5.60	2.31
			<i>For Up To 20, Add</i>	0.62	
			<i>For &gt;150, Deduct</i>	-0.23	
			<i>For Work In Restricted Working Space, Add</i>	0.99	
22 11 16 00-0403	LF	3/4"	Hard Drawn Type M Copper Tube/Pipe.....	7.24	2.44
			<i>For Up To 20, Add</i>	0.82	
			<i>For &gt;150, Deduct</i>	-0.37	
			<i>For Work In Restricted Working Space, Add</i>	1.05	
22 11 16 00-0404	LF	1"	Hard Drawn Type M Copper Tube/Pipe.....	9.68	2.74
			<i>For Up To 20, Add</i>	1.11	
			<i>For &gt;150, Deduct</i>	-0.58	
			<i>For Work In Restricted Working Space, Add</i>	1.17	
22 11 16 00-0405	LF	1-1/4"	Hard Drawn Type M Copper Tube/Pipe.....	14.43	4.08
			<i>For Up To 20, Add</i>	1.65	
			<i>For &gt;150, Deduct</i>	-0.84	
			<i>For Work In Restricted Working Space, Add</i>	1.81	
22 11 16 00-0406	LF	1-1/2"	Hard Drawn Type M Copper Tube/Pipe.....	18.50	4.55
			<i>For Up To 20, Add</i>	2.14	
			<i>For &gt;150, Deduct</i>	-1.16	
			<i>For Work In Restricted Working Space, Add</i>	2.07	
22 11 16 00-0407	LF	2"	Hard Drawn Type M Copper Tube/Pipe.....	26.81	5.61
			<i>For Up To 20, Add</i>	3.14	
			<i>For &gt;150, Deduct</i>	-1.82	
			<i>For Work In Restricted Working Space, Add</i>	2.57	
22 11 16 00-0408	LF	2-1/2"	Hard Drawn Type M Copper Tube/Pipe.....	47.30	6.60
			<i>For Up To 20, Add</i>	5.39	
			<i>For &gt;150, Deduct</i>	-2.65	
			<i>For Work In Restricted Working Space, Add</i>	6.25	
22 11 16 00-0409	LF	3"	Hard Drawn Type M Copper Tube/Pipe.....	58.59	7.78
			<i>For Up To 20, Add</i>	6.74	
			<i>For &gt;150, Deduct</i>	-3.52	
			<i>For Work In Restricted Working Space, Add</i>	7.02	
22 11 16 00-0410	LF	4"	Hard Drawn Type M Copper Tube/Pipe.....	93.22	8.78
			<i>For Up To 20, Add</i>	10.97	
			<i>For &gt;150, Deduct</i>	-6.59	
			<i>For Work In Restricted Working Space, Add</i>	8.19	
22 11 16 00-0411	LF	5"	Hard Drawn Type M Copper Tube/Pipe.....	159.48	10.08
			<i>For Up To 20, Add</i>	19.15	
			<i>For &gt;150, Deduct</i>	-12.80	
			<i>For Work In Restricted Working Space, Add</i>	9.45	
22 11 16 00-0412	LF	6"	Hard Drawn Type M Copper Tube/Pipe.....	219.78	15.63
			<i>For Up To 20, Add</i>	26.25	
			<i>For &gt;150, Deduct</i>	-17.10	
			<i>For Work In Restricted Working Space, Add</i>	14.64	
22 11 16 00-0413	LF	8"	Hard Drawn Type M Copper Tube/Pipe.....	377.67	17.37
			<i>For Up To 20, Add</i>	45.87	
			<i>For &gt;150, Deduct</i>	-32.40	
			<i>For Work In Restricted Working Space, Add</i>	16.10	
22 11 16 00-0414			<b>Soft Drawn Type L Copper Tube</b> (22 11 16 00-0369)		
22 11 16 00-0415	LF	1/4"	Soft Drawn Type L Copper Tube.....	5.85	2.36
			<i>For Up To 20, Add</i>	0.64	
			<i>For &gt;150, Deduct</i>	-0.23	
			<i>For Work In Restricted Working Space, Add</i>	1.06	
22 11 16 00-0416	LF	3/8"	Soft Drawn Type L Copper Tube.....	7.29	2.45
			<i>For Up To 20, Add</i>	0.82	
			<i>For &gt;150, Deduct</i>	-0.36	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
22 11 16 00-0417	LF	1/2"	Soft Drawn Type L Copper Tube.....	8.69	2.56
			<i>For Up To 20, Add</i>	0.99	
			<i>For &gt;150, Deduct</i>	-0.49	
			<i>For Work In Restricted Working Space, Add</i>	1.15	
22 11 16 00-0418	LF	5/8"	Soft Drawn Type L Copper Tube.....	10.17	2.64
			<i>For Up To 20, Add</i>	1.17	
			<i>For &gt;150, Deduct</i>	-0.62	
			<i>For Work In Restricted Working Space, Add</i>	1.19	
22 11 16 00-0419	LF	3/4"	Soft Drawn Type L Copper Tube.....	11.49	2.71
			<i>For Up To 20, Add</i>	1.33	
			<i>For &gt;150, Deduct</i>	-0.74	
			<i>For Work In Restricted Working Space, Add</i>	1.22	
22 11 16 00-0420	LF	1"	Soft Drawn Type L Copper Tube.....	14.85	3.04
			<i>For Up To 20, Add</i>	1.74	
			<i>For &gt;150, Deduct</i>	-1.03	
			<i>For Work In Restricted Working Space, Add</i>	1.37	
22 11 16 00-0421	LF	1-1/4"	Soft Drawn Type L Copper Tube.....	20.32	4.53
			<i>For Up To 20, Add</i>	2.37	
			<i>For &gt;150, Deduct</i>	-1.35	
			<i>For Work In Restricted Working Space, Add</i>	2.04	
22 11 16 00-0422	LF	1-1/2"	Soft Drawn Type L Copper Tube.....	25.92	5.06
			<i>For Up To 20, Add</i>	3.05	
			<i>For &gt;150, Deduct</i>	-1.83	
			<i>For Work In Restricted Working Space, Add</i>	2.27	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0423 LF 2" Soft Drawn Type L Copper Tube.....	38.51	6.24
<i>For Up To 20, Add</i>	4.58	
<i>For &gt;150, Deduct</i>	-2.92	
<i>For Work In Restricted Working Space, Add</i>	2.81	
<b>22 11 16 00-0424 Soft Drawn Type K Copper Tube (22 11 16 00-0369)</b>		
22 11 16 00-0425 LF 1/4" Soft Drawn Type K Copper Tube.....	6.09	2.36
<i>For Up To 20, Add</i>	0.67	
<i>For &gt;150, Deduct</i>	-0.26	
<i>For Work In Restricted Working Space, Add</i>	1.06	
22 11 16 00-0426 LF 3/8" Soft Drawn Type K Copper Tube.....	8.05	2.45
<i>For Up To 20, Add</i>	0.91	
<i>For &gt;150, Deduct</i>	-0.44	
<i>For Work In Restricted Working Space, Add</i>	1.10	
22 11 16 00-0427 LF 1/2" Soft Drawn Type K Copper Tube.....	9.31	2.56
<i>For Up To 20, Add</i>	1.07	
<i>For &gt;150, Deduct</i>	-0.55	
<i>For Work In Restricted Working Space, Add</i>	1.15	
22 11 16 00-0428 LF 5/8" Soft Drawn Type K Copper Tube.....	10.47	2.64
<i>For Up To 20, Add</i>	1.21	
<i>For &gt;150, Deduct</i>	-0.65	
<i>For Work In Restricted Working Space, Add</i>	1.19	
22 11 16 00-0429 LF 3/4" Soft Drawn Type K Copper Tube.....	14.19	2.71
<i>For Up To 20, Add</i>	1.67	
<i>For &gt;150, Deduct</i>	-1.01	
<i>For Work In Restricted Working Space, Add</i>	1.22	
22 11 16 00-0430 LF 1" Soft Drawn Type K Copper Tube.....	18.01	3.04
<i>For Up To 20, Add</i>	2.14	
<i>For &gt;150, Deduct</i>	-1.34	
<i>For Work In Restricted Working Space, Add</i>	1.37	
22 11 16 00-0431 LF 1-1/4" Soft Drawn Type K Copper Tube.....	22.63	4.53
<i>For Up To 20, Add</i>	2.66	
<i>For &gt;150, Deduct</i>	-1.58	
<i>For Work In Restricted Working Space, Add</i>	2.04	
22 11 16 00-0432 LF 1-1/2" Soft Drawn Type K Copper Tube.....	29.59	5.06
<i>For Up To 20, Add</i>	3.51	
<i>For &gt;150, Deduct</i>	-2.20	
<i>For Work In Restricted Working Space, Add</i>	2.27	
22 11 16 00-0433 LF 2" Soft Drawn Type K Copper Tube.....	43.56	6.24
<i>For Up To 20, Add</i>	5.21	
<i>For &gt;150, Deduct</i>	-3.42	
<i>For Work In Restricted Working Space, Add</i>	2.81	
22 11 16 00-0434 LF 2-1/2" Soft Drawn Type K Copper Tube.....	62.52	7.49
<i>For Up To 20, Add</i>	7.53	
<i>For &gt;150, Deduct</i>	-5.13	
<i>For Work In Restricted Working Space, Add</i>	3.36	
22 11 16 00-0435 LF 3" Soft Drawn Type K Copper Tube.....	84.63	8.83
<i>For Up To 20, Add</i>	10.25	
<i>For &gt;150, Deduct</i>	-7.14	
<i>For Work In Restricted Working Space, Add</i>	3.97	
<b>22 11 16 00-0436 Copper And Brass Fittings (22 11 16 00-0368)</b>		
Note: All fittings are based on 95/5 solder.		
<b>22 11 16 00-0437 90 Degree Copper Elbows (22 11 16 00-0436)</b>		
22 11 16 00-0438 EA 1/4" 90 Degree Copper Elbow.....	25.07	13.97
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.35	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.30	
<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.14	
<i>For Street Fitting, Add</i>	1.65	
<i>For Work In Restricted Working Space, Add</i>	6.28	
22 11 16 00-0439 EA 3/8" 90 Degree Copper Elbow.....	29.50	16.75
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.99	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.73	
<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.77	
<i>For Street Fitting, Add</i>	1.75	
<i>For Work In Restricted Working Space, Add</i>	7.54	
22 11 16 00-0440 EA 1/2" 90 Degree Copper Elbow.....	35.97	23.03
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.25	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.53	
<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.18	
<i>For Street Fitting, Add</i>	0.57	
<i>For Work In Restricted Working Space, Add</i>	10.37	
22 11 16 00-0441 EA 3/4" 90 Degree Copper Elbow.....	46.11	28.69
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.60	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.45	
<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.44	
<i>For Street Fitting, Add</i>	1.28	
<i>For Work In Restricted Working Space, Add</i>	12.88	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0442	EA	1"	90 Degree Copper Elbow .....	59.09	34.24
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.08	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.52	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.70	
			<i>For Street Fitting, Add</i>	3.12	
			<i>For Work In Restricted Working Space, Add</i>	15.39	
22 11 16 00-0443	EA	1-1/4"	90 Degree Copper Elbow .....	67.13	37.06
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.91	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.13	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.32	
			<i>For Street Fitting, Add</i>	4.66	
			<i>For Work In Restricted Working Space, Add</i>	16.65	
22 11 16 00-0444	EA	1-1/2"	90 Degree Copper Elbow .....	78.94	40.52
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.02	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.98	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.11	
			<i>For Street Fitting, Add</i>	7.28	
			<i>For Work In Restricted Working Space, Add</i>	18.22	
22 11 16 00-0445	EA	2"	90 Degree Copper Elbow .....	101.25	45.43
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.87	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.47	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.21	
			<i>For Street Fitting, Add</i>	13.28	
			<i>For Work In Restricted Working Space, Add</i>	20.42	
22 11 16 00-0446	EA	2-1/2"	90 Degree Copper Elbow .....	134.52	46.28
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.67	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.20	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.41	
			<i>For Work In Restricted Working Space, Add</i>	20.83	
22 11 16 00-0447	EA	3"	90 Degree Copper Elbow .....	174.72	55.35
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	17.03	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.88	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.44	
			<i>For Work In Restricted Working Space, Add</i>	24.88	
22 11 16 00-0448	EA	4"	90 Degree Copper Elbow .....	340.37	78.49
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	28.78	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-22.90	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	17.64	
			<i>For Work In Restricted Working Space, Add</i>	35.29	
22 11 16 00-0449	EA	5"	90 Degree Copper Elbow .....	1,094.16	107.41
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	70.81	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-62.76	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	24.15	
			<i>For Work In Restricted Working Space, Add</i>	48.31	
22 11 16 00-0450	EA	6"	90 Degree Copper Elbow .....	1,478.26	156.30
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	97.34	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-85.63	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	35.15	
			<i>For Work In Restricted Working Space, Add</i>	70.29	
22 11 16 00-0451	EA	8"	90 Degree Copper Elbow .....	4,914.37	208.37
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	276.96	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-261.34	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	46.86	
			<i>For Work In Restricted Working Space, Add</i>	93.72	
<b>22 11 16 00-0452</b>			<b>90 Degree Brass Elbows</b> <small>(22 11 16 00-0436)</small>		
22 11 16 00-0453	EA	1/2"	Drop Ear 90 Degree Brass Elbow.....	43.44	23.03
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.63	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.90	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.18	
			<i>For Work In Restricted Working Space, Add</i>	10.37	
22 11 16 00-0454	EA	3/4"	Drop Ear 90 Degree Brass Elbow.....	68.84	28.69
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.73	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.59	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.44	
			<i>For Work In Restricted Working Space, Add</i>	12.88	
22 11 16 00-0455	EA	1/2"	Flanged Sink 90 Degree Brass Elbow .....	50.76	23.03
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.99	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.27	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.18	
			<i>For Work In Restricted Working Space, Add</i>	10.37	
22 11 16 00-0456	EA	3/8"	Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	38.42	16.75
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.43	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.18	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.77	
			<i>For Work In Restricted Working Space, Add</i>	7.54	
22 11 16 00-0457	EA	1/2"	Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	44.07	23.03
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.66	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.93	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.18	
			<i>For Work In Restricted Working Space, Add</i>	10.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0458 EA 3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	59.68	28.69
For Silver Solder Instead Of 95/5 Solder, Add	7.28	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.13	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.44	
For Work In Restricted Working Space, Add	12.88	
22 11 16 00-0459 EA 1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	104.79	34.24
For Silver Solder Instead Of 95/5 Solder, Add	10.37	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.80	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.70	
For Work In Restricted Working Space, Add	15.39	
<b>22 11 16 00-0460 Reducing 90 Degree Copper Elbows (22 11 16 00-0436)</b>		
22 11 16 00-0461 EA 1/2" Reducing 90 Degree Copper Elbow .....	46.04	23.03
For Silver Solder Instead Of 95/5 Solder, Add	5.76	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.03	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.18	
For Work In Restricted Working Space, Add	10.37	
22 11 16 00-0462 EA 3/4" Reducing 90 Degree Copper Elbow .....	51.06	28.69
For Silver Solder Instead Of 95/5 Solder, Add	6.85	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.70	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.44	
For Work In Restricted Working Space, Add	12.88	
22 11 16 00-0463 EA 1" Reducing 90 Degree Copper Elbow .....	66.25	34.24
For Silver Solder Instead Of 95/5 Solder, Add	8.44	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.88	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.70	
For Work In Restricted Working Space, Add	15.39	
22 11 16 00-0464 EA 1-1/4" Reducing 90 Degree Copper Elbow .....	93.56	37.06
For Silver Solder Instead Of 95/5 Solder, Add	10.23	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.45	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.32	
For Work In Restricted Working Space, Add	16.65	
22 11 16 00-0465 EA 1-1/2" Reducing 90 Degree Copper Elbow .....	110.76	40.52
For Silver Solder Instead Of 95/5 Solder, Add	11.61	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.57	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.11	
For Work In Restricted Working Space, Add	18.22	
22 11 16 00-0466 EA 2" Reducing 90 Degree Copper Elbow .....	135.39	45.43
For Silver Solder Instead Of 95/5 Solder, Add	13.57	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.17	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.21	
For Work In Restricted Working Space, Add	20.42	
<b>22 11 16 00-0467 45 Degree Copper Elbows (22 11 16 00-0436)</b>		
22 11 16 00-0468 EA 1/4" 45 Degree Copper Elbow .....	28.65	13.97
For Silver Solder Instead Of 95/5 Solder, Add	3.53	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.48	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.14	
For Street Fitting, Add	3.08	
For Work In Restricted Working Space, Add	6.28	
22 11 16 00-0469 EA 3/8" 45 Degree Copper Elbow .....	31.74	16.75
For Silver Solder Instead Of 95/5 Solder, Add	4.10	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.84	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.77	
For Street Fitting, Add	2.64	
For Work In Restricted Working Space, Add	7.54	
22 11 16 00-0470 EA 1/2" 45 Degree Copper Elbow .....	37.15	23.03
For Silver Solder Instead Of 95/5 Solder, Add	5.31	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.59	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.18	
For Street Fitting, Add	1.04	
For Work In Restricted Working Space, Add	10.37	
22 11 16 00-0471 EA 3/4" 45 Degree Copper Elbow .....	47.36	28.69
For Silver Solder Instead Of 95/5 Solder, Add	6.66	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.51	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.44	
For Street Fitting, Add	1.78	
For Work In Restricted Working Space, Add	12.88	
22 11 16 00-0472 EA 1" 45 Degree Copper Elbow .....	62.39	34.24
For Silver Solder Instead Of 95/5 Solder, Add	8.25	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.68	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.70	
For Street Fitting, Add	4.44	
For Work In Restricted Working Space, Add	15.39	
22 11 16 00-0473 EA 1-1/4" 45 Degree Copper Elbow .....	70.52	37.06
For Silver Solder Instead Of 95/5 Solder, Add	9.08	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.30	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.32	
For Street Fitting, Add	6.01	
For Work In Restricted Working Space, Add	16.65	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0474	EA	1-1/2"	45 Degree Copper Elbow .....	79.18	40.52
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.03	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.00	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.11	
			<i>For Street Fitting, Add</i>	7.38	
			<i>For Work In Restricted Working Space, Add</i>	18.22	
22 11 16 00-0475	EA	2"	45 Degree Copper Elbow .....	98.81	45.43
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.75	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.34	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.21	
			<i>For Work In Restricted Working Space, Add</i>	20.42	
22 11 16 00-0476	EA	2-1/2"	45 Degree Copper Elbow .....	133.73	46.28
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.63	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.16	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.41	
			<i>For Work In Restricted Working Space, Add</i>	20.83	
22 11 16 00-0477	EA	3"	45 Degree Copper Elbow .....	178.34	55.35
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	17.21	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-13.06	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.44	
			<i>For Work In Restricted Working Space, Add</i>	24.88	
22 11 16 00-0478	EA	4"	45 Degree Copper Elbow .....	321.10	78.49
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	27.82	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-21.94	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	17.64	
			<i>For Work In Restricted Working Space, Add</i>	35.29	
22 11 16 00-0479	EA	5"	45 Degree Copper Elbow .....	949.02	107.41
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	63.55	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-55.50	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	24.15	
			<i>For Work In Restricted Working Space, Add</i>	48.31	
22 11 16 00-0480	EA	6"	45 Degree Copper Elbow .....	1,476.13	156.30
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	97.24	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-85.52	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	35.15	
			<i>For Work In Restricted Working Space, Add</i>	70.29	
22 11 16 00-0481	EA	8"	45 Degree Copper Elbow .....	4,532.05	208.37
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	257.84	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-242.22	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	46.86	
			<i>For Work In Restricted Working Space, Add</i>	93.72	
<b>22 11 16 00-0482</b>			<b>Straight Copper And Brass Tees (22 11 16 00-0436)</b>		
22 11 16 00-0483	EA	1/4"	Straight Copper Tee .....	40.06	20.94
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.14	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.57	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.71	
			<i>For Work In Restricted Working Space, Add</i>	9.42	
22 11 16 00-0484	EA	3/8"	Straight Copper Tee .....	44.66	25.13
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.00	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.12	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.66	
			<i>For Work In Restricted Working Space, Add</i>	11.31	
22 11 16 00-0485	EA	1/2"	Straight Copper Tee .....	54.79	34.96
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.97	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.36	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.85	
			<i>For Work In Restricted Working Space, Add</i>	15.71	
22 11 16 00-0486	EA	3/4"	Straight Copper Tee .....	70.73	43.35
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.03	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.78	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.74	
			<i>For Work In Restricted Working Space, Add</i>	19.47	
22 11 16 00-0487	EA	1"	Straight Copper Tee .....	94.98	51.72
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.50	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.62	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.62	
			<i>For Work In Restricted Working Space, Add</i>	23.24	
22 11 16 00-0488	EA	1-1/4"	Straight Copper Tee .....	108.14	55.91
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.78	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.59	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.56	
			<i>For Work In Restricted Working Space, Add</i>	25.13	
22 11 16 00-0489	EA	1-1/2"	Straight Copper Tee .....	127.98	60.73
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	15.51	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.95	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.66	
			<i>For Work In Restricted Working Space, Add</i>	27.33	
22 11 16 00-0490	EA	2"	Straight Copper Tee .....	161.26	68.47
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	18.32	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-13.19	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	15.39	
			<i>For Work In Restricted Working Space, Add</i>	30.78	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0491	EA		2-1/2" Straight Copper Tee.....	220.16	69.42
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	21.42	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-16.21	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	15.62	
			<i>For Work In Restricted Working Space, Add</i>	31.24	
22 11 16 00-0492	EA		3" Straight Copper Tee.....	302.61	83.60
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	27.66	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-21.40	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	18.80	
			<i>For Work In Restricted Working Space, Add</i>	37.60	
22 11 16 00-0493	EA		4" Straight Copper Tee.....	604.53	117.06
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	47.78	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-39.00	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	26.32	
			<i>For Work In Restricted Working Space, Add</i>	52.65	
22 11 16 00-0494	EA		5" Straight Copper Tee.....	1,642.63	160.16
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	106.14	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-94.14	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	36.01	
			<i>For Work In Restricted Working Space, Add</i>	72.03	
22 11 16 00-0495	EA		6" Straight Copper Tee.....	2,269.19	234.79
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	148.65	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-131.06	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	52.79	
			<i>For Work In Restricted Working Space, Add</i>	105.58	
22 11 16 00-0496	EA		8" Straight Copper Tee.....	7,864.31	312.60
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	440.08	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-416.65	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	70.29	
			<i>For Work In Restricted Working Space, Add</i>	140.58	
22 11 16 00-0497	EA		1/2" Cast Bronze Drop Ear Tee.....	67.34	34.96
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.60	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.98	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.85	
			<i>For Work In Restricted Working Space, Add</i>	15.71	
22 11 16 00-0498	<b>Reducing Copper Tees</b> (22 11 16 00-0436)				
22 11 16 00-0499	EA		3/8" Reducing Copper Tee.....	47.27	22.30
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.71	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.04	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.03	
			<i>For Work In Restricted Working Space, Add</i>	10.05	
22 11 16 00-0500	EA		1/2" Reducing Copper Tee.....	59.23	31.41
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.67	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.32	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.07	
			<i>For Work In Restricted Working Space, Add</i>	14.14	
22 11 16 00-0501	EA		3/4" Reducing Copper Tee.....	66.91	40.52
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.42	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.38	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.11	
			<i>For Work In Restricted Working Space, Add</i>	18.22	
22 11 16 00-0502	EA		1" Reducing Copper Tee.....	92.91	48.89
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.97	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.31	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.99	
			<i>For Work In Restricted Working Space, Add</i>	21.98	
22 11 16 00-0503	EA		1-1/4" Reducing Copper Tee.....	109.35	53.08
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.42	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.45	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.94	
			<i>For Work In Restricted Working Space, Add</i>	23.87	
22 11 16 00-0504	EA		1-1/2" Reducing Copper Tee.....	128.99	58.00
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	15.14	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.79	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.04	
			<i>For Work In Restricted Working Space, Add</i>	26.07	
22 11 16 00-0505	EA		2" Reducing Copper Tee.....	158.22	64.91
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	17.65	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.78	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	14.61	
			<i>For Work In Restricted Working Space, Add</i>	29.21	
22 11 16 00-0506	EA		2-1/2" Reducing Copper Tee.....	227.39	66.91
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	21.40	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-16.38	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	15.04	
			<i>For Work In Restricted Working Space, Add</i>	30.08	
22 11 16 00-0507	EA		3" Reducing Copper Tee.....	324.45	77.13
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	27.79	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-22.01	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	17.36	
			<i>For Work In Restricted Working Space, Add</i>	34.71	

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0508	EA		4" Reducing Copper Tee.....	582.14	95.17
			For Silver Solder Instead Of 95/5 Solder, Add	43.38	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-36.24	
			For Brazed Fittings Instead Of 95/5 Solder, Add	21.41	
			For Work In Restricted Working Space, Add	42.81	
<b>22 11 16 00-0509</b>			<b>Copper Couplings</b> (22 11 16 00-0436)		
22 11 16 00-0510	EA		1/4" Copper Coupling.....	21.77	13.97
			For Silver Solder Instead Of 95/5 Solder, Add	3.18	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.14	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.14	
			For Work In Restricted Working Space, Add	6.28	
22 11 16 00-0511	EA		3/8" Copper Coupling.....	26.23	16.75
			For Silver Solder Instead Of 95/5 Solder, Add	3.82	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.57	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.77	
			For Work In Restricted Working Space, Add	7.54	
22 11 16 00-0512	EA		1/2" Copper Coupling.....	35.45	23.03
			For Silver Solder Instead Of 95/5 Solder, Add	5.23	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.50	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.18	
			For Work In Restricted Working Space, Add	10.37	
22 11 16 00-0513	EA		3/4" Copper Coupling.....	44.77	28.69
			For Silver Solder Instead Of 95/5 Solder, Add	6.53	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.38	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.44	
			For Work In Restricted Working Space, Add	12.88	
22 11 16 00-0514	EA		1" Copper Coupling.....	54.96	34.24
			For Silver Solder Instead Of 95/5 Solder, Add	7.88	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.31	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.70	
			For Work In Restricted Working Space, Add	15.39	
22 11 16 00-0515	EA		1-1/4" Copper Coupling.....	61.94	37.06
			For Silver Solder Instead Of 95/5 Solder, Add	8.65	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.87	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.32	
			For Work In Restricted Working Space, Add	16.65	
22 11 16 00-0516	EA		1-1/2" Copper Coupling.....	69.27	40.52
			For Silver Solder Instead Of 95/5 Solder, Add	9.54	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.50	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.11	
			For Work In Restricted Working Space, Add	18.22	
22 11 16 00-0517	EA		2" Copper Coupling.....	82.25	45.02
			For Silver Solder Instead Of 95/5 Solder, Add	10.92	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.52	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.21	
			For Work In Restricted Working Space, Add	20.42	
22 11 16 00-0518	EA		2-1/2" Copper Coupling.....	94.76	43.77
			For Silver Solder Instead Of 95/5 Solder, Add	11.30	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.02	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.84	
			For Work In Restricted Working Space, Add	19.67	
22 11 16 00-0519	EA		3" Copper Coupling.....	118.80	53.03
			For Silver Solder Instead Of 95/5 Solder, Add	13.85	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.89	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.86	
			For Work In Restricted Working Space, Add	23.72	
22 11 16 00-0520	EA		4" Copper Coupling.....	193.58	71.35
			For Silver Solder Instead Of 95/5 Solder, Add	20.29	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.98	
			For Brazed Fittings Instead Of 95/5 Solder, Add	15.91	
			For Work In Restricted Working Space, Add	31.82	
22 11 16 00-0521	EA		5" Copper Coupling.....	327.02	130.17
			For Silver Solder Instead Of 95/5 Solder, Add	30.81	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-23.58	
			For Brazed Fittings Instead Of 95/5 Solder, Add	21.69	
			For Work In Restricted Working Space, Add	43.39	
22 11 16 00-0522	EA		6" Copper Coupling.....	513.54	141.45
			For Silver Solder Instead Of 95/5 Solder, Add	46.89	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-36.28	
			For Brazed Fittings Instead Of 95/5 Solder, Add	31.82	
			For Work In Restricted Working Space, Add	63.64	
22 11 16 00-0523	EA		8" Copper Coupling.....	1,258.58	187.54
			For Silver Solder Instead Of 95/5 Solder, Add	91.08	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-77.01	
			For Brazed Fittings Instead Of 95/5 Solder, Add	42.23	
			For Work In Restricted Working Space, Add	84.47	
<b>22 11 16 00-0524</b>			<b>Reducing Copper Couplings</b> (22 11 16 00-0436)		
22 11 16 00-0525	EA		3/8" Reducing Copper Coupling.....	22.75	13.93
			For Silver Solder Instead Of 95/5 Solder, Add	3.23	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.18	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.14	
			For Work In Restricted Working Space, Add	6.28	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0526	EA			1/2" Reducing Copper Coupling .....31.73		19.89
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.57	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.08	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.48	
				<i>For Work In Restricted Working Space, Add</i>	8.95	
22 11 16 00-0527	EA			3/4" Reducing Copper Coupling .....41.99		25.86
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.97	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.04	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.81	
				<i>For Work In Restricted Working Space, Add</i>	11.62	
22 11 16 00-0528	EA			1" Reducing Copper Coupling .....53.02		31.41
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.36	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.01	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.07	
				<i>For Work In Restricted Working Space, Add</i>	14.14	
22 11 16 00-0529	EA			1-1/4" Reducing Copper Coupling .....61.61		35.60
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.42	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.75	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.01	
				<i>For Work In Restricted Working Space, Add</i>	16.02	
22 11 16 00-0530	EA			1-1/2" Reducing Copper Coupling .....71.72		38.73
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.40	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.49	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.72	
				<i>For Work In Restricted Working Space, Add</i>	17.43	
22 11 16 00-0531	EA			2" Reducing Copper Coupling .....85.43		42.92
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.71	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.49	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.66	
				<i>For Work In Restricted Working Space, Add</i>	19.32	
22 11 16 00-0532	EA			2-1/2" Reducing Copper Coupling .....109.35		44.07
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.07	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.77	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.91	
				<i>For Work In Restricted Working Space, Add</i>	19.81	
22 11 16 00-0533	EA			3" Reducing Copper Coupling .....129.71		51.10
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	14.10	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.29	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.43	
				<i>For Work In Restricted Working Space, Add</i>	22.85	
22 11 16 00-0534	EA			4" Reducing Copper Coupling .....206.56		66.91
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	20.36	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-15.34	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	15.04	
				<i>For Work In Restricted Working Space, Add</i>	30.08	
22 11 16 00-0535	EA			5" Reducing Copper Coupling .....555.40		93.23
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	41.75	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-34.76	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	20.97	
				<i>For Work In Restricted Working Space, Add</i>	41.94	
22 11 16 00-0536	EA			6" Reducing Copper Coupling .....831.59		125.34
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	60.38	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-50.98	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	28.20	
				<i>For Work In Restricted Working Space, Add</i>	56.41	
22 11 16 00-0537	EA			8" Reducing Copper Coupling .....1,638.14		182.65
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	109.29	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-95.60	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	41.08	
				<i>For Work In Restricted Working Space, Add</i>	82.15	
<b>22 11 16 00-0538</b>				<b>Male Copper Adapters</b> (22 11 16 00-0436)		
22 11 16 00-0539	EA			1/4" Male Copper Adapter .....35.53		13.61
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.87	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.82	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.14	
				<i>For Work In Restricted Working Space, Add</i>	6.28	
22 11 16 00-0540	EA			3/8" Male Copper Adapter .....32.41		16.75
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.13	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.88	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.77	
				<i>For Work In Restricted Working Space, Add</i>	7.54	
22 11 16 00-0541	EA			1/2" Male Copper Adapter .....34.36		20.94
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.86	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.29	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.71	
				<i>For Work In Restricted Working Space, Add</i>	9.42	
22 11 16 00-0542	EA			3/4" Male Copper Adapter .....43.73		26.18
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.06	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.12	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.81	
				<i>For Work In Restricted Working Space, Add</i>	11.62	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0543	EA		1" Male Copper Adapter.....	57.72	30.36
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.39	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.14	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.75	
			<i>For Work In Restricted Working Space, Add</i>	13.51	
22 11 16 00-0544	EA		1-1/4" Male Copper Adapter .....	70.84	34.55
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.78	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.16	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.85	
			<i>For Work In Restricted Working Space, Add</i>	15.71	
22 11 16 00-0545	EA		1-1/2" Male Copper Adapter .....	81.31	39.78
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.03	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.05	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.95	
			<i>For Work In Restricted Working Space, Add</i>	17.90	
22 11 16 00-0546	EA		2" Male Copper Adapter.....	113.05	50.77
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.30	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.47	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.46	
			<i>For Work In Restricted Working Space, Add</i>	22.93	
22 11 16 00-0547	EA		2-1/2" Male Copper Adapter .....	214.87	65.96
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	20.58	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-15.66	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	14.76	
			<i>For Work In Restricted Working Space, Add</i>	29.52	
22 11 16 00-0548	EA		3" Male Copper Adapter.....	285.32	87.98
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	27.38	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-20.82	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	19.67	
			<i>For Work In Restricted Working Space, Add</i>	39.34	
22 11 16 00-0549	EA		4" Male Copper Adapter.....	431.71	123.42
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	40.10	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-30.84	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	27.77	
			<i>For Work In Restricted Working Space, Add</i>	55.54	
22 11 16 00-0550			<b>Female Copper Adapters</b> (22 11 16 00-0436)		
22 11 16 00-0551	EA		1/4" Female Copper Adapter .....	30.26	13.61
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.61	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.56	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.14	
			<i>For Work In Restricted Working Space, Add</i>	6.28	
22 11 16 00-0552	EA		3/8" Female Copper Adapter .....	34.88	16.75
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.26	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.00	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.77	
			<i>For Work In Restricted Working Space, Add</i>	7.54	
22 11 16 00-0553	EA		1/2" Female Copper Adapter .....	36.13	20.94
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.95	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.38	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.71	
			<i>For Work In Restricted Working Space, Add</i>	9.42	
22 11 16 00-0554	EA		3/4" Female Copper Adapter .....	45.18	26.18
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.13	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.20	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.81	
			<i>For Work In Restricted Working Space, Add</i>	11.62	
22 11 16 00-0555	EA		1" Female Copper Adapter .....	59.77	30.36
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.49	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.24	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.75	
			<i>For Work In Restricted Working Space, Add</i>	13.51	
22 11 16 00-0556	EA		1-1/4" Female Copper Adapter .....	73.98	34.55
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.93	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.32	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.85	
			<i>For Work In Restricted Working Space, Add</i>	15.71	
22 11 16 00-0557	EA		1-1/2" Female Copper Adapter .....	93.55	39.78
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.65	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.66	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.95	
			<i>For Work In Restricted Working Space, Add</i>	17.90	
22 11 16 00-0558	EA		2" Female Copper Adapter .....	122.37	50.77
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.76	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.94	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.46	
			<i>For Work In Restricted Working Space, Add</i>	22.93	
22 11 16 00-0559	EA		2-1/2" Female Copper Adapter .....	254.96	60.74
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	21.81	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-17.28	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.59	
			<i>For Work In Restricted Working Space, Add</i>	27.19	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0560	EA			3" Female Copper Adapter.....	407.96	87.98
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	33.51	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-26.95	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	19.67	
				<i>For Work In Restricted Working Space, Add</i>	39.34	
<b>22 11 16 00-0561</b>				<b>Wrot Copper, Solder Union</b> <small>(22 11 16 00-0436)</small>		
22 11 16 00-0562	EA			1/4" Wrot Copper, Solder Union.....	45.71	16.75
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.80	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.54	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.77	
				<i>For Work In Restricted Working Space, Add</i>	7.54	
22 11 16 00-0563	EA			3/8" Wrot Copper, Solder Union.....	51.56	20.20
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.61	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.10	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.55	
				<i>For Work In Restricted Working Space, Add</i>	9.11	
22 11 16 00-0564	EA			1/2" Wrot Copper, Solder Union.....	50.81	25.13
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.31	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.43	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.66	
				<i>For Work In Restricted Working Space, Add</i>	11.31	
22 11 16 00-0565	EA			3/4" Wrot Copper, Solder Union.....	59.04	28.69
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.24	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.10	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.44	
				<i>For Work In Restricted Working Space, Add</i>	12.88	
22 11 16 00-0566	EA			1" Wrot Copper, Solder Union.....	79.00	34.24
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.08	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.52	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.70	
				<i>For Work In Restricted Working Space, Add</i>	15.39	
22 11 16 00-0567	EA			1-1/4" Wrot Copper, Solder Union.....	96.65	37.70
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.49	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.66	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.48	
				<i>For Work In Restricted Working Space, Add</i>	16.96	
22 11 16 00-0568	EA			1-1/2" Wrot Copper, Solder Union.....	119.37	41.88
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.25	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.11	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.42	
				<i>For Work In Restricted Working Space, Add</i>	18.85	
22 11 16 00-0569	EA			2" Wrot Copper, Solder Union.....	171.77	50.25
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.13	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.36	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.31	
				<i>For Work In Restricted Working Space, Add</i>	22.61	
22 11 16 00-0570	EA			2-1/2" Wrot Copper, Solder Union.....	345.79	55.35
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	25.58	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-21.44	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.44	
				<i>For Work In Restricted Working Space, Add</i>	24.88	
22 11 16 00-0571	EA			3" Wrot Copper, Solder Union.....	797.87	78.49
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	51.66	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-45.78	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	17.64	
				<i>For Work In Restricted Working Space, Add</i>	35.29	
<b>22 11 16 00-0572</b>				<b>Cast Bronze, Solder Union</b> <small>(22 11 16 00-0436)</small>		
22 11 16 00-0573	EA			1/4" Cast Bronze, Solder Union.....	53.30	16.75
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.18	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.92	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.77	
				<i>For Work In Restricted Working Space, Add</i>	7.54	
22 11 16 00-0574	EA			3/8" Cast Bronze, Solder Union.....	58.72	20.20
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.97	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.45	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.55	
				<i>For Work In Restricted Working Space, Add</i>	9.11	
22 11 16 00-0575	EA			1/2" Cast Bronze, Solder Union.....	52.80	25.13
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.41	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.53	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.66	
				<i>For Work In Restricted Working Space, Add</i>	11.31	
22 11 16 00-0576	EA			3/4" Cast Bronze, Solder Union.....	61.85	28.69
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.38	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.24	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.44	
				<i>For Work In Restricted Working Space, Add</i>	12.88	
22 11 16 00-0577	EA			1" Cast Bronze, Solder Union.....	83.89	34.24
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.32	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.76	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.70	
				<i>For Work In Restricted Working Space, Add</i>	15.39	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0578	EA		1-1/4" Cast Bronze, Solder Union.....	110.02	37.70
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.16	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.33	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.48	
			<i>For Work In Restricted Working Space, Add</i>	16.96	
22 11 16 00-0579	EA		1-1/2" Cast Bronze, Solder Union.....	133.32	41.88
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.95	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.81	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.42	
			<i>For Work In Restricted Working Space, Add</i>	18.85	
22 11 16 00-0580	EA		2" Cast Bronze, Solder Union.....	195.52	50.25
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	17.31	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-13.55	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.31	
			<i>For Work In Restricted Working Space, Add</i>	22.61	
22 11 16 00-0581	EA		2-1/2" Cast Bronze, Solder Union.....	345.77	55.35
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	25.58	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-21.43	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.44	
			<i>For Work In Restricted Working Space, Add</i>	24.88	
22 11 16 00-0582	EA		3" Cast Bronze, Solder Union.....	797.87	78.49
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	51.66	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-45.78	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	17.64	
			<i>For Work In Restricted Working Space, Add</i>	35.29	
<b>22 11 16 00-0583</b>			<b>Cast Bronze, Solder X Female Threaded Union</b> (22 11 16 00-0436)		
22 11 16 00-0584	EA		1/4" Cast Bronze, Solder X Female Threaded Union.....	63.55	16.75
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.69	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.43	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.77	
			<i>For Work In Restricted Working Space, Add</i>	7.54	
22 11 16 00-0585	EA		3/8" Cast Bronze, Solder X Female Threaded Union.....	70.11	20.20
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.54	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.02	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	9.11	
22 11 16 00-0586	EA		1/2" Cast Bronze, Solder X Female Threaded Union.....	69.27	25.13
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.23	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.35	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.66	
			<i>For Work In Restricted Working Space, Add</i>	11.31	
22 11 16 00-0587	EA		3/4" Cast Bronze, Solder X Female Threaded Union.....	85.95	28.69
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.59	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.44	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.44	
			<i>For Work In Restricted Working Space, Add</i>	12.88	
22 11 16 00-0588	EA		1" Cast Bronze, Solder X Female Threaded Union.....	140.81	34.24
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.17	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.61	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.70	
			<i>For Work In Restricted Working Space, Add</i>	15.39	
22 11 16 00-0589	EA		1-1/4" Cast Bronze, Solder X Female Threaded Union.....	223.35	37.70
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.82	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-13.99	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.48	
			<i>For Work In Restricted Working Space, Add</i>	16.96	
22 11 16 00-0590	EA		1-1/2" Cast Bronze, Solder X Female Threaded Union.....	274.15	41.88
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	19.99	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-16.85	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.42	
			<i>For Work In Restricted Working Space, Add</i>	18.85	
22 11 16 00-0591	EA		2" Cast Bronze, Solder X Female Threaded Union.....	433.10	50.25
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	29.19	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-25.42	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.31	
			<i>For Work In Restricted Working Space, Add</i>	22.61	
22 11 16 00-0592	EA		2-1/2" Cast Bronze, Solder X Female Threaded Union.....	761.04	55.35
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	46.34	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-42.20	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.44	
			<i>For Work In Restricted Working Space, Add</i>	24.88	
<b>22 11 16 00-0593</b>			<b>Cast Bronze, Solder X Male Threaded Union</b> (22 11 16 00-0436)		
22 11 16 00-0594	EA		1/4" Cast Bronze, Solder X Male Threaded Union.....	54.39	16.75
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.23	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.98	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.77	
			<i>For Work In Restricted Working Space, Add</i>	7.54	
22 11 16 00-0595	EA		3/8" Cast Bronze, Solder X Male Threaded Union.....	64.51	20.20
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.26	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.74	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	9.11	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0596	EA		1/2" Cast Bronze, Solder X Male Threaded Union.....	62.62	25.13
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.90	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.02	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.66	
			<i>For Work In Restricted Working Space, Add</i>	11.31	
22 11 16 00-0597	EA		3/4" Cast Bronze, Solder X Male Threaded Union.....	80.32	28.69
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.31	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.16	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.44	
			<i>For Work In Restricted Working Space, Add</i>	12.88	
22 11 16 00-0598	EA		1" Cast Bronze, Solder X Male Threaded Union.....	143.39	34.24
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.30	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.73	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.70	
			<i>For Work In Restricted Working Space, Add</i>	15.39	
22 11 16 00-0599	EA		1-1/4" Cast Bronze, Solder X Male Threaded Union.....	170.77	37.70
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	14.19	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.37	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.48	
			<i>For Work In Restricted Working Space, Add</i>	16.96	
22 11 16 00-0600	EA		1-1/2" Cast Bronze, Solder X Male Threaded Union.....	182.80	41.88
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	15.42	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.28	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.42	
			<i>For Work In Restricted Working Space, Add</i>	18.85	
22 11 16 00-0601	EA		2" Cast Bronze, Solder X Male Threaded Union.....	259.68	50.25
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	20.52	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-16.75	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.31	
			<i>For Work In Restricted Working Space, Add</i>	22.61	
22 11 16 00-0602	EA		2-1/2" Cast Bronze, Solder X Male Threaded Union.....	623.02	55.35
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	39.44	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-35.30	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.44	
			<i>For Work In Restricted Working Space, Add</i>	24.88	
<b>22 11 16 00-0603</b>			<b>Copper Caps</b> <small>(22 11 16 00-0436)</small>		
22 11 16 00-0604	EA		1/4" Copper Cap .....	8.17	4.60
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1.10	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-0.75	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.04	
			<i>For Work In Restricted Working Space, Add</i>	2.07	
22 11 16 00-0605	EA		3/8" Copper Cap .....	10.30	5.44
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1.34	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-0.93	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.24	
			<i>For Work In Restricted Working Space, Add</i>	2.49	
22 11 16 00-0606	EA		1/2" Copper Cap .....	12.43	7.54
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1.76	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.19	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.71	
			<i>For Work In Restricted Working Space, Add</i>	3.42	
22 11 16 00-0607	EA		3/4" Copper Cap .....	16.10	9.32
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.22	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.51	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.13	
			<i>For Work In Restricted Working Space, Add</i>	4.25	
22 11 16 00-0608	EA		1" Copper Cap .....	21.45	11.20
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.77	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.92	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.54	
			<i>For Work In Restricted Working Space, Add</i>	5.08	
22 11 16 00-0609	EA		1-1/4" Copper Cap .....	24.37	12.04
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.05	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.13	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.75	
			<i>For Work In Restricted Working Space, Add</i>	5.49	
22 11 16 00-0610	EA		1-1/2" Copper Cap .....	28.85	13.19
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.45	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.44	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.01	
			<i>For Work In Restricted Working Space, Add</i>	6.01	
22 11 16 00-0611	EA		2" Copper Cap .....	36.97	13.69
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.92	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.88	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.10	
			<i>For Work In Restricted Working Space, Add</i>	6.21	
22 11 16 00-0612	EA		2-1/2" Copper Cap .....	73.07	16.01
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.08	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.87	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.65	
			<i>For Work In Restricted Working Space, Add</i>	7.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0613	EA		3" Copper Cap .....	100.95	20.54
			For Silver Solder Instead Of 95/5 Solder, Add	8.16	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.60	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.66	
			For Work In Restricted Working Space, Add	9.33	
22 11 16 00-0614	EA		4" Copper Cap .....	178.89	31.05
			For Silver Solder Instead Of 95/5 Solder, Add	13.65	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.30	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.06	
			For Work In Restricted Working Space, Add	14.12	
22 11 16 00-0615	EA		5" Cast Bronze Cap .....	999.22	47.83
			For Silver Solder Instead Of 95/5 Solder, Add	57.21	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-53.58	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.87	
			For Work In Restricted Working Space, Add	21.74	
22 11 16 00-0616	EA		6" Cast Bronze Cap .....	1,951.88	69.61
			For Silver Solder Instead Of 95/5 Solder, Add	108.14	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-102.87	
			For Brazed Fittings Instead Of 95/5 Solder, Add	15.81	
			For Work In Restricted Working Space, Add	31.63	
22 11 16 00-0617	EA		8" Cast Bronze Cap .....	2,484.00	92.76
			For Silver Solder Instead Of 95/5 Solder, Add	138.26	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-131.23	
			For Brazed Fittings Instead Of 95/5 Solder, Add	21.09	
			For Work In Restricted Working Space, Add	42.17	
<b>22 11 16 00-0618</b>			<b>Copper Crosses</b> (22 11 16 00-0436)		
22 11 16 00-0619	EA		1/2" Copper Cross .....	79.86	42.42
			For Silver Solder Instead Of 95/5 Solder, Add	10.36	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.18	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.55	
			For Work In Restricted Working Space, Add	19.09	
22 11 16 00-0620	EA		3/4" Copper Cross .....	110.61	52.75
			For Silver Solder Instead Of 95/5 Solder, Add	13.44	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.48	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.86	
			For Work In Restricted Working Space, Add	23.72	
22 11 16 00-0621	EA		1" Copper Cross .....	148.06	62.96
			For Silver Solder Instead Of 95/5 Solder, Add	16.85	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.13	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.17	
			For Work In Restricted Working Space, Add	28.35	
22 11 16 00-0622	EA		1-1/4" Copper Cross .....	179.20	68.17
			For Silver Solder Instead Of 95/5 Solder, Add	19.18	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.07	
			For Brazed Fittings Instead Of 95/5 Solder, Add	15.33	
			For Work In Restricted Working Space, Add	30.66	
22 11 16 00-0623	EA		1-1/2" Copper Cross .....	221.59	74.53
			For Silver Solder Instead Of 95/5 Solder, Add	22.26	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.67	
			For Brazed Fittings Instead Of 95/5 Solder, Add	16.78	
			For Work In Restricted Working Space, Add	33.56	
22 11 16 00-0624	EA		2" Copper Cross .....	332.66	83.60
			For Silver Solder Instead Of 95/5 Solder, Add	29.17	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-22.90	
			For Brazed Fittings Instead Of 95/5 Solder, Add	18.80	
			For Work In Restricted Working Space, Add	37.60	
22 11 16 00-0625	EA		2-1/2" Copper Cross .....	616.74	92.57
			For Silver Solder Instead Of 95/5 Solder, Add	44.72	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-37.78	
			For Brazed Fittings Instead Of 95/5 Solder, Add	20.83	
			For Work In Restricted Working Space, Add	41.65	
<b>22 11 16 00-0626</b>			<b>Cast Bronze Crosses</b> (22 11 16 00-0436)		
22 11 16 00-0627	EA		3/8" Cast Bronze Cross .....	67.91	30.86
			For Silver Solder Instead Of 95/5 Solder, Add	8.02	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.71	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.94	
			For Work In Restricted Working Space, Add	13.88	
22 11 16 00-0628	EA		1/2" Cast Bronze Cross .....	83.11	42.42
			For Silver Solder Instead Of 95/5 Solder, Add	10.52	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.34	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.55	
			For Work In Restricted Working Space, Add	19.09	
22 11 16 00-0629	EA		3/4" Cast Bronze Cross .....	116.91	52.75
			For Silver Solder Instead Of 95/5 Solder, Add	13.75	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.80	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.86	
			For Work In Restricted Working Space, Add	23.72	
22 11 16 00-0630	EA		1" Cast Bronze Cross .....	158.76	62.96
			For Silver Solder Instead Of 95/5 Solder, Add	17.39	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.66	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.17	
			For Work In Restricted Working Space, Add	28.35	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0631	EA			1-1/4" Cast Bronze Cross ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.60 19.95 -14.84 15.33 30.66	68.17
22 11 16 00-0632	EA			1-1/2" Cast Bronze Cross ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	243.54 23.36 -17.77 16.78 33.56	74.53
22 11 16 00-0633	EA			2" Cast Bronze Cross ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	374.12 31.24 -24.97 18.80 37.60	83.60
22 11 16 00-0634	EA			2-1/2" Cast Bronze Cross ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	712.32 49.50 -42.56 20.83 41.65	92.57
<b>22 11 16 00-0635</b>				<b>Flexible Corrugated Copper Supply Line</b> (22 11 16 00-0436)		
22 11 16 00-0636	EA			3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line .....	91.70	28.69
22 11 16 00-0637	EA			3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line .....	97.57	28.69
22 11 16 00-0638	EA			3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line .....	81.14	28.69
22 11 16 00-0639	EA			3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line .....	87.79	28.69
22 11 16 00-0640	EA			3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line .....	93.66	28.69
22 11 16 00-0641	EA			3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line .....	97.57	28.69
<b>22 11 16 00-0642</b>				<b>Crimped Copper Fittings</b> (22 11 16 00-0368) Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
<b>22 11 16 00-0643</b>				<b>Crimped Copper 90 Degree Elbows</b> (22 11 16 00-0642)		
22 11 16 00-0644	EA			1/2" Crimped Copper 90 Degree Elbow.....	23.05	12.57
22 11 16 00-0645	EA			3/4" Crimped Copper 90 Degree Elbow.....	28.60	14.35
22 11 16 00-0646	EA			1" Crimped Copper 90 Degree Elbow.....	39.95	17.07
22 11 16 00-0647	EA			1-1/4" Crimped Copper 90 Degree Elbow.....	57.14	18.84
22 11 16 00-0648	EA			1-1/2" Crimped Copper 90 Degree Elbow.....	86.09	20.94
22 11 16 00-0649	EA			2" Crimped Copper 90 Degree Elbow.....	113.69	25.13
22 11 16 00-0650	EA			2-1/2" Crimped Copper 90 Degree Elbow.....	264.70	29.31
22 11 16 00-0651	EA			3" Crimped Copper 90 Degree Elbow.....	330.05	34.86
22 11 16 00-0652	EA			4" Crimped Copper 90 Degree Elbow.....	412.68	46.07
<b>22 11 16 00-0653</b>				<b>Crimped Copper 45 Degree Elbows</b> (22 11 16 00-0642)		
22 11 16 00-0654	EA			1/2" Crimped Copper 45 Degree Elbow.....	23.75	12.57
22 11 16 00-0655	EA			3/4" Crimped Copper 45 Degree Elbow.....	27.48	14.35
22 11 16 00-0656	EA			1" Crimped Copper 45 Degree Elbow.....	45.01	17.07
22 11 16 00-0657	EA			1-1/4" Crimped Copper 45 Degree Elbow.....	56.02	18.84
22 11 16 00-0658	EA			1-1/2" Crimped Copper 45 Degree Elbow.....	76.42	20.94
22 11 16 00-0659	EA			2" Crimped Copper 45 Degree Elbow.....	100.65	25.13
22 11 16 00-0660	EA			2-1/2" Crimped Copper 45 Degree Elbow.....	189.78	29.31
22 11 16 00-0661	EA			3" Crimped Copper 45 Degree Elbow.....	260.67	34.86
22 11 16 00-0662	EA			4" Crimped Copper 45 Degree Elbow.....	358.41	46.07
<b>22 11 16 00-0663</b>				<b>Crimped Copper Straight Tees</b> (22 11 16 00-0642)		
22 11 16 00-0664	EA			1/2" Crimped Copper Straight Tee.....	34.71	18.84
22 11 16 00-0665	EA			3/4" Crimped Copper Straight Tee.....	48.52	24.82
22 11 16 00-0666	EA			1" Crimped Copper Straight Tee.....	61.82	27.54
22 11 16 00-0667	EA			1-1/4" Crimped Copper Straight Tee.....	77.03	28.26
22 11 16 00-0668	EA			1-1/2" Crimped Copper Straight Tee.....	115.45	32.14
22 11 16 00-0669	EA			2" Crimped Copper Straight Tee.....	139.67	37.70
22 11 16 00-0670	EA			2-1/2" Crimped Copper Straight Tee.....	338.67	43.97
22 11 16 00-0671	EA			3" Crimped Copper Straight Tee.....	419.40	52.35
22 11 16 00-0672	EA			4" Crimped Copper Straight Tee.....	581.96	69.10
<b>22 11 16 00-0673</b>				<b>Crimped Copper Reducing Tees</b> (22 11 16 00-0642)		
22 11 16 00-0674	EA			3/4" Crimped Copper Reducing Tee.....	44.42	17.91
22 11 16 00-0675	EA			1" Crimped Copper Reducing Tee.....	66.42	23.56
22 11 16 00-0676	EA			1-1/4" Crimped Copper Reducing Tee.....	70.94	26.18
22 11 16 00-0677	EA			1-1/2" Crimped Copper Reducing Tee.....	100.03	26.90
22 11 16 00-0678	EA			2" Crimped Copper Reducing Tee.....	121.33	30.47
22 11 16 00-0679	EA			2-1/2" Crimped Copper Reducing Tee.....	372.71	34.55
22 11 16 00-0680	EA			3" Crimped Copper Reducing Tee.....	455.00	41.88
22 11 16 00-0681	EA			4" Crimped Copper Reducing Tee.....	529.94	55.80



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 11 16 00-0682</b>			<b>Crimped Copper Couplings</b> (22 11 16 00-0642)		
	22 11 16 00-0683	EA	1/2" Crimped Copper Coupling .....	22.63	12.57
	22 11 16 00-0684	EA	3/4" Crimped Copper Coupling .....	27.21	14.35
	22 11 16 00-0685	EA	1" Crimped Copper Coupling .....	37.28	17.07
	22 11 16 00-0686	EA	1-1/4" Crimped Copper Coupling .....	42.71	18.84
	22 11 16 00-0687	EA	1-1/2" Crimped Copper Coupling .....	58.33	20.94
	22 11 16 00-0688	EA	2" Crimped Copper Coupling .....	72.05	25.13
	22 11 16 00-0689	EA	2-1/2" Crimped Copper Coupling .....	153.91	29.31
	22 11 16 00-0690	EA	3" Crimped Copper Coupling .....	192.36	34.86
	22 11 16 00-0691	EA	4" Crimped Copper Coupling .....	263.50	46.07
<b>22 11 16 00-0692</b>			<b>Crimped Copper Reducing Couplings</b> (22 11 16 00-0642)		
	22 11 16 00-0693	EA	3/4" Crimped Copper Reducing Coupling .....	35.16	11.94
	22 11 16 00-0694	EA	1" Crimped Copper Reducing Coupling .....	40.19	13.61
	22 11 16 00-0695	EA	1-1/4" Crimped Copper Reducing Coupling .....	53.14	16.23
	22 11 16 00-0696	EA	1-1/2" Crimped Copper Reducing Coupling .....	69.24	17.91
	22 11 16 00-0697	EA	2" Crimped Copper Reducing Coupling .....	77.50	19.89
	22 11 16 00-0698	EA	2-1/2" Crimped Copper FTG x C Reducing Coupling .....	165.47	23.77
	22 11 16 00-0699	EA	3" Crimped Copper FTG x C Reducing Coupling .....	207.52	27.95
	22 11 16 00-0700	EA	4" Crimped Copper FTG x C Reducing Coupling .....	269.20	36.96
<b>22 11 16 00-0701</b>			<b>Crimped Copper Male Adapters</b> (22 11 16 00-0642)		
	22 11 16 00-0702	EA	1/2" Crimped Copper Male Adapter .....	23.47	12.57
	22 11 16 00-0703	EA	3/4" Crimped Copper Male Adapter .....	29.86	14.35
	22 11 16 00-0704	EA	1" Crimped Copper Male Adapter .....	41.07	17.07
	22 11 16 00-0705	EA	1-1/4" Crimped Copper Male Adapter .....	62.04	18.84
	22 11 16 00-0706	EA	1-1/2" Crimped Copper Male Adapter .....	78.80	20.94
	22 11 16 00-0707	EA	2" Crimped Copper Male Adapter .....	128.96	25.13
	22 11 16 00-0708	EA	2-1/2" Crimped Copper Male Adapter .....	264.70	29.31
	22 11 16 00-0709	EA	3" Crimped Copper Male Adapter .....	330.05	34.86
	22 11 16 00-0710	EA	4" Crimped Copper Male Adapter .....	390.55	46.07
<b>22 11 16 00-0711</b>			<b>Crimped Copper Female Adapters</b> (22 11 16 00-0642)		
	22 11 16 00-0712	EA	1/2" Crimped Copper Female Adapter .....	24.44	12.57
	22 11 16 00-0713	EA	3/4" Crimped Copper Female Adapter .....	30.58	14.35
	22 11 16 00-0714	EA	1" Crimped Copper Female Adapter .....	42.48	17.07
	22 11 16 00-0715	EA	1-1/4" Crimped Copper Female Adapter .....	66.26	18.84
	22 11 16 00-0716	EA	1-1/2" Crimped Copper Female Adapter .....	86.66	20.94
	22 11 16 00-0717	EA	2" Crimped Copper Female Adapter .....	131.49	25.13
<b>22 11 16 00-0718</b>			<b>Crimped Copper Caps</b> (22 11 16 00-0642)		
	22 11 16 00-0719	EA	1/2" Crimped Copper Cap .....	17.55	6.28
	22 11 16 00-0720	EA	3/4" Crimped Copper Cap .....	24.72	7.33
	22 11 16 00-0721	EA	1" Crimped Copper Cap .....	33.74	8.37
	22 11 16 00-0722	EA	1-1/4" Crimped Copper Cap .....	38.11	9.42
	22 11 16 00-0723	EA	1-1/2" Crimped Copper Cap .....	53.38	10.78
	22 11 16 00-0724	EA	2" Crimped Copper Cap .....	63.98	12.57
	22 11 16 00-0725	EA	2-1/2" Crimped Copper Cap .....	166.32	14.66
	22 11 16 00-0726	EA	3" Crimped Copper Cap .....	208.84	17.48
	22 11 16 00-0727	EA	4" Crimped Copper Cap .....	277.96	23.03
<b>22 11 16 00-0728</b>			<b>C x F NPT Crimped Bronze Unions</b> (22 11 16 00-0642)		
	22 11 16 00-0729	EA	1/2" C x F NPT Crimped Bronze Union .....	49.49	17.07
	22 11 16 00-0730	EA	3/4" C x F NPT Crimped Bronze Union .....	62.08	21.04
	22 11 16 00-0731	EA	1" C x F NPT Crimped Bronze Union .....	88.56	25.23
	22 11 16 00-0732	EA	1-1/4" C x F NPT Crimped Bronze Union .....	107.98	29.11
	22 11 16 00-0733	EA	1-1/2" C x F NPT Crimped Bronze Union .....	143.66	28.48
	22 11 16 00-0734	EA	2" C x F NPT Crimped Bronze Union .....	195.52	41.25
<b>22 11 16 00-0735</b>			<b>C x C Crimped Bronze Unions</b> (22 11 16 00-0642)		
	22 11 16 00-0736	EA	1/2" C x C Bronze Crimped Union .....	48.56	12.57
	22 11 16 00-0737	EA	3/4" C x C Bronze Crimped Union .....	60.43	14.35
	22 11 16 00-0738	EA	1" C x C Bronze Crimped Union .....	87.89	17.07
	22 11 16 00-0739	EA	1-1/4" C x C Bronze Crimped Union .....	117.14	18.84
	22 11 16 00-0740	EA	1-1/2" C x C Bronze Crimped Union .....	152.12	20.94
	22 11 16 00-0741	EA	2" C x C Bronze Crimped Union .....	234.82	25.13
<b>22 11 16 00-0742</b>			<b>C x Flange Crimped Bronze Flange</b> (22 11 16 00-0642)		
	22 11 16 00-0743	EA	2-1/2" C x Flange Crimped Bronze Flange .....	466.04	29.31
	22 11 16 00-0744	EA	3" C x Flange Crimped Bronze Flange .....	506.63	34.86
	22 11 16 00-0745	EA	4" C x Flange Crimped Bronze Flange .....	577.65	46.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**22 11 16 00-0746**

**Field Installed FKM Seals** (22 11 16 00-0642)

Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.

22 11 16 00-0747	EA	1/2" Field Installed FKM Seal.....	7.10	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0748	EA	3/4" Field Installed FKM Seal.....	9.14	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0749	EA	1" Field Installed FKM Seal.....	10.49	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0750	EA	1-1/4" Field Installed FKM Seal.....	12.11	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0751	EA	1-1/2" Field Installed FKM Seal.....	17.65	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0752	EA	2" Field Installed FKM Seal.....	19.51	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0753	EA	2-1/2" Field Installed FKM Seal.....	30.20	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0754	EA	3" Field Installed FKM Seal.....	34.53	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0755	EA	4" Field Installed FKM Seal.....	47.26	
		Note: To be used in conjunction with fittings.		

**22 11 16 00-0756**

**Cut And Prepare Existing In-Place Copper Pipe** (22 11 16 00-0368)

22 11 16 00-0757	EA	Up To 1/2", Cut And Prepare Existing In Place Copper Pipe.....	10.47	
22 11 16 00-0758	EA	3/4", Cut And Prepare Existing In Place Copper Pipe.....	11.31	
22 11 16 00-0759	EA	1", Cut And Prepare Existing In Place Copper Pipe.....	12.72	
22 11 16 00-0760	EA	1-1/4", Cut And Prepare Existing In Place Copper Pipe.....	13.35	
22 11 16 00-0761	EA	1-1/2", Cut And Prepare Existing In Place Copper Pipe.....	14.14	
22 11 16 00-0762	EA	2", Cut And Prepare Existing In Place Copper Pipe.....	15.55	
22 11 16 00-0763	EA	2-1/2", Cut And Prepare Existing In Place Copper Pipe.....	16.76	
22 11 16 00-0764	EA	3", Cut And Prepare Existing In Place Copper Pipe.....	19.79	
22 11 16 00-0765	EA	4", Cut And Prepare Existing In Place Copper Pipe.....	26.70	
22 11 16 00-0766	EA	6", Cut And Prepare Existing In Place Copper Pipe.....	38.16	
22 11 16 00-0767	EA	8", Cut And Prepare Existing In Place Copper Pipe.....	50.88	

**22 11 16 00-0768**

**Sweat Brass Companion Flanges** (22 11 16 00-0368)

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.

22 11 16 00-0769	EA	1" Sweat Brass Companion Flange.....	68.88	16.10
22 11 16 00-0770	EA	1-1/4" Sweat Brass Companion Flange.....	75.12	17.74
22 11 16 00-0771	EA	1-1/2" Sweat Brass Companion Flange.....	109.96	19.29
22 11 16 00-0772	EA	2" Sweat Brass Companion Flange.....	149.03	21.40
22 11 16 00-0773	EA	2-1/2" Sweat Brass Companion Flange.....	188.99	25.75
22 11 16 00-0774	EA	3" Sweat Brass Companion Flange.....	206.28	33.74
22 11 16 00-0775	EA	4" Sweat Brass Companion Flange.....	277.48	40.21
22 11 16 00-0776	EA	5" Sweat Brass Companion Flange.....	520.49	47.73
22 11 16 00-0777	EA	6" Sweat Brass Companion Flange.....	591.31	69.36
22 11 16 00-0778	EA	8" Copper Companion Flange.....	1,402.75	98.93

**22 11 16 00-0779**

**Brass Compression Fittings** (22 11 16 00-0368)

**22 11 16 00-0780**

**Brass Compression Unions** (22 11 16 00-0779)

22 11 16 00-0781	EA	1/4" Brass Compression Union.....	18.27	11.31
22 11 16 00-0782	EA	3/8" Brass Compression Union.....	18.62	11.31
22 11 16 00-0783	EA	1/2" Brass Compression Union.....	19.69	11.31
22 11 16 00-0784	EA	5/8" Brass Compression Union.....	20.20	11.31
22 11 16 00-0785	EA	3/4" Brass Compression Union.....	26.79	11.31
22 11 16 00-0786	EA	3/8" x 1/4" Brass Compression Union.....	18.86	11.31
22 11 16 00-0787	EA	1/2" x 3/8" Brass Compression Union.....	19.77	11.31
22 11 16 00-0788	EA	5/8" x 3/8" Brass Compression Union.....	20.41	11.31
22 11 16 00-0789	EA	5/8" x 1/2" Brass Compression Union.....	21.42	11.31

**22 11 16 00-0790**

**Brass Compression Union Elbows** (22 11 16 00-0779)

22 11 16 00-0791	EA	1/4" Brass Compression Union Elbow.....	19.69	11.31
22 11 16 00-0792	EA	3/8" Brass Compression Union Elbow.....	20.27	11.31
22 11 16 00-0793	EA	1/2" Brass Compression Union Elbow.....	21.53	11.31
22 11 16 00-0794	EA	5/8" Brass Compression Union Elbow.....	23.50	11.31
22 11 16 00-0795	EA	3/4" Brass Compression Union Elbow.....	31.17	11.31
22 11 16 00-0796	EA	3/8" x 1/4" Brass Compression Union Elbow.....	20.27	11.31
22 11 16 00-0797	EA	1/2" x 3/8" Brass Compression Union Elbow.....	21.53	11.31
22 11 16 00-0798	EA	5/8" x 3/8" Brass Compression Union Elbow.....	21.88	11.31
22 11 16 00-0799	EA	5/8" x 1/2" Brass Compression Union Elbow.....	27.65	11.31

**22 11 16 00-0800**

**Brass Compression Union Tees** (22 11 16 00-0779)

22 11 16 00-0801	EA	1/4" Brass Compression Union Tee.....	20.13	11.31
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0802	EA		3/8" Brass Compression Union Tee.....	21.32	11.31
22 11 16 00-0803	EA		1/2" Brass Compression Union Tee.....	22.59	11.31
22 11 16 00-0804	EA		5/8" Brass Compression Union Tee.....	26.60	11.31
22 11 16 00-0805	EA		3/4" Brass Compression Union Tee.....	40.45	11.31
22 11 16 00-0806	EA		3/8" x 3/8" x 1/4" Brass Compression Union Tee.....	22.16	11.31
22 11 16 00-0807	EA		1/2" x 1/2" x 3/8" Brass Compression Union Tee.....	28.67	11.31
22 11 16 00-0808	EA		5/8" x 5/8" x 3/8" Brass Compression Union Tee.....	28.04	11.31
22 11 16 00-0809	EA		5/8" x 5/8" x 1/2" Brass Compression Union Tee.....	28.78	11.31
<b>22 11 16 00-0810</b>			<b>Brass Compression Male Connectors (22 11 16 00-0779)</b>		
22 11 16 00-0811	EA		1/4" Brass Compression Male Connector.....	18.02	11.31
22 11 16 00-0812	EA		3/8" Brass Compression Male Connector.....	18.48	11.31
22 11 16 00-0813	EA		1/2" Brass Compression Male Connector.....	19.28	11.31
22 11 16 00-0814	EA		5/8" Brass Compression Male Connector.....	20.48	11.31
22 11 16 00-0815	EA		3/4" Brass Compression Male Connector.....	23.83	11.20
<b>22 11 16 00-0816</b>			<b>Brass Compression Female Connectors (22 11 16 00-0779)</b>		
22 11 16 00-0817	EA		1/4" Brass Compression Female Connector.....	18.52	11.31
22 11 16 00-0818	EA		3/8" Brass Compression Female Connector.....	19.12	11.31
22 11 16 00-0819	EA		1/2" Brass Compression Female Connector.....	20.14	11.31
22 11 16 00-0820	EA		5/8" Brass Compression Female Connector.....	20.91	11.31
22 11 16 00-0821	EA		3/4" Brass Compression Female Connector.....	30.73	11.09
<b>22 11 16 00-0822</b>			<b>Dielectric Fittings (22 11 16 00-0368)</b>		
<b>22 11 16 00-0823</b>			<b>Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0822)</b>		
22 11 16 00-0824	EA		1/2" Copper x Female Iron Pipe Thread Dielectric Union.....	45.00	25.13
22 11 16 00-0825	EA		3/4" Copper x Female Iron Pipe Thread Dielectric Union.....	50.22	28.69
22 11 16 00-0826	EA		1" Copper x Female Iron Pipe Thread Dielectric Union.....	59.94	31.53
22 11 16 00-0827	EA		1-1/4" Copper x Female Iron Pipe Thread Dielectric Union.....	72.88	34.71
22 11 16 00-0828	EA		1-1/2" Copper x Female Iron Pipe Thread Dielectric Union.....	88.35	38.57
22 11 16 00-0829	EA		2" Copper x Female Iron Pipe Thread Dielectric Union.....	112.41	46.28
<b>22 11 16 00-0830</b>			<b>Female Brass Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0822)</b>		
22 11 16 00-0831	EA		1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	49.61	25.13
22 11 16 00-0832	EA		3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	57.81	28.69
22 11 16 00-0833	EA		1" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	69.95	31.53
22 11 16 00-0834	EA		1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	86.16	34.71
22 11 16 00-0835	EA		1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	104.78	38.57
22 11 16 00-0836	EA		2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	131.68	46.28
<b>22 11 16 00-0837</b>			<b>Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0822)</b>		
22 11 16 00-0838	EA		1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	46.69	25.13
22 11 16 00-0839	EA		3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	52.99	28.69
22 11 16 00-0840	EA		1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	60.67	31.53
22 11 16 00-0841	EA		1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	70.31	34.71
22 11 16 00-0842	EA		1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	85.81	38.57
22 11 16 00-0843	EA		2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	110.37	46.28
<b>22 11 16 00-0844</b>			<b>Copper x Female Iron Pipe Thread Dielectric Flanges (22 11 16 00-0822)</b>		
22 11 16 00-0845	EA		2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange.....	273.23	118.98
22 11 16 00-0846	EA		3" Copper x Female Iron Pipe Thread Dielectric Flange.....	342.01	149.84
22 11 16 00-0847	EA		4" Copper x Female Iron Pipe Thread Dielectric Flange.....	482.71	203.93
<b>22 11 16 00-0848</b>			<b>Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges (22 11 16 00-0822)</b>		
22 11 16 00-0849	EA		2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	275.14	118.98
22 11 16 00-0850	EA		3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	357.12	149.84
22 11 16 00-0851	EA		4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	657.07	203.93
<b>22 11 16 00-0852</b>			<b>Brass Push-Fit Fittings (22 11 16)</b>		
22 11 16 00-0853	EA		1/4" x 1/4" Brass Push-Fit Coupling.....	23.57	10.47
			Note: (Sharkbite)		
22 11 16 00-0854	EA		3/8" x 3/8" Brass Push-Fit Coupling.....	29.67	11.17
			Note: (Sharkbite)		
22 11 16 00-0855	EA		1/2" x 1/2" Brass Push-Fit Coupling.....	30.52	12.57
			Note: (Sharkbite)		
22 11 16 00-0856	EA		5/8" x 5/8" Brass Push-Fit Coupling.....	35.38	13.40
			Note: (Sharkbite)		
22 11 16 00-0857	EA		3/4" x 3/4" Brass Push-Fit Coupling.....	35.91	14.31
			Note: (Sharkbite)		
22 11 16 00-0858	EA		1" x 1" Brass Push-Fit Coupling.....	51.18	17.10
			Note: (Sharkbite)		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0859 EA 1/2" x 3/8" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)	30.09	11.86
22 11 16 00-0860 EA 3/4" x 5/8" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)	35.03	12.98
22 11 16 00-0861 EA 1" x 3/4" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)	53.02	15.71
22 11 16 00-0862 EA 1/4" x 1/4" Brass Push-Fit Elbow..... Note: (Sharkbite)	24.70	10.47
22 11 16 00-0863 EA 3/8" x 3/8" Brass Push-Fit Elbow..... Note: (Sharkbite)	34.51	11.17
22 11 16 00-0864 EA 1/2" x 1/2" Brass Push-Fit Elbow..... Note: (Sharkbite)	31.14	12.57
22 11 16 00-0865 EA 5/8" x 5/8" Brass Push-Fit Elbow..... Note: (Sharkbite)	38.19	13.40
22 11 16 00-0866 EA 3/4" x 3/4" Brass Push-Fit Elbow..... Note: (Sharkbite)	35.10	14.31
22 11 16 00-0867 EA 1" x 1" Brass Push-Fit Elbow..... Note: (Sharkbite)	51.80	17.10
22 11 16 00-0868 EA 1/2" x 3/8" Brass Push-Fit Reducing Elbow..... Note: (Sharkbite)	29.57	11.86
22 11 16 00-0869 EA 3/4" x 1/2" Brass Push-Fit Reducing Elbow..... Note: (Sharkbite)	33.02	12.98
22 11 16 00-0870 EA 1" x 3/4" Brass Push-Fit Reducing Elbow..... Note: (Sharkbite)	66.87	15.71
22 11 16 00-0871 EA 1/4" x 1/4" x 1/4" Brass Push-Fit Tee..... Note: (Sharkbite)	37.51	15.71
22 11 16 00-0872 EA 3/8" x 3/8" x 3/8" Brass Push-Fit Tee..... Note: (Sharkbite)	48.24	16.75
22 11 16 00-0873 EA 1/2" x 1/2" x 1/2" Brass Push-Fit Tee..... Note: (Sharkbite)	43.35	18.84
22 11 16 00-0874 EA 5/8" x 5/8" x 5/8" Brass Push-Fit Tee..... Note: (Sharkbite)	56.09	20.10
22 11 16 00-0875 EA 3/4" x 3/4" x 3/4" Brass Push-Fit Tee..... Note: (Sharkbite)	50.69	21.46
22 11 16 00-0876 EA 1" x 1" x 1" Brass Push-Fit Tee..... Note: (Sharkbite)	70.17	25.65
22 11 16 00-0877 EA 1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	49.44	17.79
22 11 16 00-0878 EA 1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	49.66	18.15
22 11 16 00-0879 EA 3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	48.97	20.60
22 11 16 00-0880 EA 1" x 1" x 3/4" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	68.22	24.25
22 11 16 00-0881 EA 1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	28.27	11.52
22 11 16 00-0882 EA 3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	27.82	11.86
22 11 16 00-0883 EA 1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	27.29	12.57
22 11 16 00-0884 EA 3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	31.28	14.31
22 11 16 00-0885 EA 1" x 1" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	44.67	17.10
22 11 16 00-0886 EA 1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	24.38	11.52
22 11 16 00-0887 EA 3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	27.82	11.86
22 11 16 00-0888 EA 1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	27.38	12.57
22 11 16 00-0889 EA 3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	30.93	14.31
22 11 16 00-0890 EA 5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	34.02	13.85
22 11 16 00-0891 EA 1" x 3/4" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	41.03	15.71
22 11 16 00-0892 EA 1" x 1" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	45.39	17.10
22 11 16 00-0893 EA 1/2" Brass Push-Fit Ball Valve..... Note: (Sharkbite)	40.73	12.57
22 11 16 00-0894 EA 3/4" Brass Push-Fit Ball Valve..... Note: (Sharkbite)	47.71	14.31
22 11 16 00-0895 EA 1" Brass Push-Fit Ball Valve..... Note: (Sharkbite)	63.46	17.10
22 11 16 00-0896 EA 1/2" Brass Push-Fit Check Valve..... Note: (Sharkbite)	43.85	12.57
22 11 16 00-0897 EA 3/4" Brass Push-Fit Check Valve..... Note: (Sharkbite)	52.98	14.31
22 11 16 00-0898 EA 1" Brass Push-Fit Check Valve..... Note: (Sharkbite)	90.87	17.10



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 11 16 00-0899	<b>Copper Pipe Assemblies</b> <small>(22 11 16)</small>		
	Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.		
22 11 16 00-0900	LF 1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly .....	21.83	2.93
	Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
	For Type K Tubing Instead Of Type L, Add	1.61	
	For Type M Tubing Instead Of Type L, Deduct	-1.31	
	For Silver Solder Instead Of 95/5 Solder, Add	2.73	
	For For Brazed Fittings, Add	0.65	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.91	
	For Work In Restricted Working Space, Add	4.91	
22 11 16 00-0901	LF 3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly .....	25.75	3.77
	Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
	For Type K Tubing Instead Of Type L, Add	2.00	
	For Type M Tubing Instead Of Type L, Deduct	-1.61	
	For Silver Solder Instead Of 95/5 Solder, Add	3.14	
	For For Brazed Fittings, Add	0.74	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.22	
	For Work In Restricted Working Space, Add	5.57	
22 11 16 00-0902	LF 1" Inside Diameter Copper Pipe/Tubing Type L Assembly .....	29.13	4.50
	Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
	For Type K Tubing Instead Of Type L, Add	2.47	
	For Type M Tubing Instead Of Type L, Deduct	-1.94	
	For Silver Solder Instead Of 95/5 Solder, Add	3.40	
	For For Brazed Fittings, Add	0.78	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.43	
	For Work In Restricted Working Space, Add	5.84	
22 11 16 00-0903	LF 1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly .....	33.60	5.24
	Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
	For Type K Tubing Instead Of Type L, Add	3.14	
	For Type M Tubing Instead Of Type L, Deduct	-2.42	
	For Silver Solder Instead Of 95/5 Solder, Add	3.70	
	For For Brazed Fittings, Add	0.81	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.69	
	For Work In Restricted Working Space, Add	6.06	
	For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-1.34	
22 11 16 00-0904	LF 1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly .....	38.12	5.97
	Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
	For Type K Tubing Instead Of Type L, Add	3.75	
	For Type M Tubing Instead Of Type L, Deduct	-2.85	
	For Silver Solder Instead Of 95/5 Solder, Add	4.06	
	For For Brazed Fittings, Add	0.86	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.98	
	For Work In Restricted Working Space, Add	6.47	
	For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-1.66	
22 11 16 00-0905	LF 2" Inside Diameter Copper Pipe/Tubing Type L Assembly .....	49.71	7.44
	Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
	For Type K Tubing Instead Of Type L, Add	5.34	
	For Type M Tubing Instead Of Type L, Deduct	-3.98	
	For Silver Solder Instead Of 95/5 Solder, Add	4.97	
	For For Brazed Fittings, Add	0.99	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.73	
	For Work In Restricted Working Space, Add	7.44	
	For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-2.49	
22 11 16 00-0906	LF 2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly .....	63.42	8.96
	Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
	For Type K Tubing Instead Of Type L, Add	7.48	
	For Type M Tubing Instead Of Type L, Deduct	-5.48	
	For Silver Solder Instead Of 95/5 Solder, Add	5.83	
	For For Brazed Fittings, Add	1.06	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.50	
	For Work In Restricted Working Space, Add	7.98	
	For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-3.68	
22 11 16 00-0907	LF 3" Inside Diameter Copper Pipe/Tubing Type L Assembly .....	78.99	10.41
	Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
	For Type K Tubing Instead Of Type L, Add	9.90	
	For Type M Tubing Instead Of Type L, Deduct	-7.17	
	For Silver Solder Instead Of 95/5 Solder, Add	6.83	
	For For Brazed Fittings, Add	1.15	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.39	
	For Work In Restricted Working Space, Add	8.64	
	For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-5.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0908 LF 4" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 17.25 <i>For Type M Tubing Instead Of Type L, Deduct</i> -12.33 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 10.11 <i>For For Brazed Fittings, Add</i> 1.49 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -8.24 <i>For Work In Restricted Working Space, Add</i> 11.18 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -9.04	127.62	13.79
22 11 16 00-0909 LF 5" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 34.64 <i>For Type M Tubing Instead Of Type L, Deduct</i> -24.43 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 16.56 <i>For For Brazed Fittings, Add</i> 1.91 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -14.16 <i>For Work In Restricted Working Space, Add</i> 14.35 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -18.77	235.47	17.16
22 11 16 00-0910 LF 6" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 45.68 <i>For Type M Tubing Instead Of Type L, Deduct</i> -32.19 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 21.51 <i>For For Brazed Fittings, Add</i> 2.43 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -18.47 <i>For Work In Restricted Working Space, Add</i> 18.22 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -24.80	308.73	20.73
22 11 16 00-0911 LF 8" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 110.53 <i>For Type M Tubing Instead Of Type L, Deduct</i> -77.00 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 42.15 <i>For For Brazed Fittings, Add</i> 3.02 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -38.37 <i>For Work In Restricted Working Space, Add</i> 22.65 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -61.65	691.96	24.78
22 11 16 00-0912 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16) Note: Socket weld.		
22 11 16 00-0913 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16 00-0912)		
22 11 16 00-0914 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe (22 11 16 00-0913)		
22 11 16 00-0915 LF 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i> 1.16	8.63	1.54
22 11 16 00-0916 LF 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i> 1.22	10.57	1.62
22 11 16 00-0917 LF 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i> 1.31	13.92	1.74
22 11 16 00-0918 LF 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i> 1.43	17.97	1.90
22 11 16 00-0919 LF 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i> 1.58	21.26	2.10
22 11 16 00-0920 LF 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i> 1.76	28.04	2.35
22 11 16 00-0921 LF 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i> 2.00	40.59	2.67
22 11 16 00-0922 LF 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i> 2.37	53.19	3.17
22 11 16 00-0923 LF 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i> 2.92	76.14	3.88
22 11 16 00-0924 LF 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i> 3.71	140.85	4.94
22 11 16 00-0925 LF 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i> 4.86	205.73	6.48
22 11 16 00-0926 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows (22 11 16 00-0913)		
22 11 16 00-0927 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> 5.50	25.77	7.33
22 11 16 00-0928 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> 6.94	34.73	9.25
22 11 16 00-0929 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> 8.71	47.33	11.57
22 11 16 00-0930 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> 10.88	71.53	14.47
22 11 16 00-0931 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> 12.03	79.94	16.01



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0932	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	98.43 13.42	16.01
22 11 16 00-0933	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	190.76 15.27	20.34
22 11 16 00-0934	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	212.13 18.05	24.11
22 11 16 00-0935	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	327.49 22.22	29.60
22 11 16 00-0936	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	411.79 28.23	37.60
22 11 16 00-0937	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	900.90 37.03	49.37
<b>22 11 16 00-0938</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows</b> (22 11 16 00-0913)		
22 11 16 00-0939	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	29.49 5.50	7.33
22 11 16 00-0940	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	39.18 6.94	9.25
22 11 16 00-0941	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	54.58 8.71	11.57
22 11 16 00-0942	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	81.05 10.88	14.47
22 11 16 00-0943	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	91.53 12.03	16.01
22 11 16 00-0944	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	102.36 13.42	17.94
22 11 16 00-0945	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	193.25 15.27	20.34
22 11 16 00-0946	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	211.82 18.05	24.11
22 11 16 00-0947	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	282.08 22.22	29.60
22 11 16 00-0948	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	496.92 28.23	37.60
22 11 16 00-0949	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	961.21 37.03	49.37
<b>22 11 16 00-0950</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees</b> (22 11 16 00-0913)		
22 11 16 00-0951	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	41.04 8.24	10.99
22 11 16 00-0952	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	56.34 10.41	13.88
22 11 16 00-0953	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	70.17 13.07	17.45
22 11 16 00-0954	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	110.44 16.31	21.79
22 11 16 00-0955	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	124.41 18.05	24.11
22 11 16 00-0956	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	162.93 20.13	26.81
22 11 16 00-0957	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	233.79 22.91	30.57
22 11 16 00-0958	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	261.53 27.08	36.06
22 11 16 00-0959	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	313.41 33.32	44.45
22 11 16 00-0960	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	536.52 42.35	56.51
22 11 16 00-0961	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	1,317.00 55.54	74.05
<b>22 11 16 00-0962</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses</b> (22 11 16 00-0913)		
22 11 16 00-0963	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	48.31 10.99	14.66
22 11 16 00-0964	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	64.91 13.88	18.51
22 11 16 00-0965	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	80.96 17.42	23.24
22 11 16 00-0966	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	120.80 21.75	29.02
22 11 16 00-0967	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	135.56 24.07	32.11
22 11 16 00-0968	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	172.01 26.84	35.77
22 11 16 00-0969	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	237.40 30.55	40.69
22 11 16 00-0970	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	267.85 36.10	48.11
22 11 16 00-0971	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	322.37 44.43	59.20



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0972	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	528.74 56.46	75.31
22 11 16 00-0973	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	1,221.74 74.05	98.74
<b>22 11 16 00-0974</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts</b> <small>(22 11 16 00-0913)</small>		
22 11 16 00-0975	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	21.42 5.09	6.74
22 11 16 00-0976	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	31.54 6.86	9.16
22 11 16 00-0977	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	69.61 8.97	11.96
22 11 16 00-0978	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	79.94 9.92	13.21
22 11 16 00-0979	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	98.48 11.08	14.75
22 11 16 00-0980	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	103.59 12.61	16.78
22 11 16 00-0981	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	128.48 14.90	19.86
22 11 16 00-0982	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	187.44 18.34	24.40
22 11 16 00-0983	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	346.68 23.29	31.05
22 11 16 00-0984	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	911.36 30.55	40.69
<b>22 11 16 00-0985</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts</b> <small>(22 11 16 00-0913)</small>		
22 11 16 00-0986	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	41.23 3.62	4.82
22 11 16 00-0987	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	48.42 5.09	6.74
22 11 16 00-0988	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	56.57 6.86	9.16
22 11 16 00-0989	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	67.44 8.97	11.96
22 11 16 00-0990	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	83.14 9.92	13.21
22 11 16 00-0991	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	114.42 11.08	14.75
22 11 16 00-0992	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	207.66 12.61	16.78
22 11 16 00-0993	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	482.26 14.90	19.86
22 11 16 00-0994	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	742.93 18.34	24.40
<b>22 11 16 00-0995</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters</b> <small>(22 11 16 00-0913)</small>		
22 11 16 00-0996	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	23.23 3.62	4.82
22 11 16 00-0997	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	32.07 5.09	6.74
22 11 16 00-0998	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	48.30 6.86	9.16
22 11 16 00-0999	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	67.44 8.97	11.96
22 11 16 00-1000	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	83.87 9.92	13.21
22 11 16 00-1001	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	105.62 11.08	14.75
22 11 16 00-1002	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	172.07 12.61	16.78
22 11 16 00-1003	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	206.89 14.90	19.86
22 11 16 00-1004	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	326.98 18.34	24.40
<b>22 11 16 00-1005</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters</b> <small>(22 11 16 00-0913)</small>		



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22 11 16 00-1006	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	27.48	4.82
			<i>For Work In Restricted Working Space, Add</i>	3.62	
22 11 16 00-1007	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	33.42	6.74
			<i>For Work In Restricted Working Space, Add</i>	5.09	
22 11 16 00-1008	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	48.65	9.16
			<i>For Work In Restricted Working Space, Add</i>	6.86	
22 11 16 00-1009	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters .....	68.69	11.96
			<i>For Work In Restricted Working Space, Add</i>	8.97	
22 11 16 00-1010	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters .....	78.17	13.21
			<i>For Work In Restricted Working Space, Add</i>	9.92	
22 11 16 00-1011	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	100.97	14.75
			<i>For Work In Restricted Working Space, Add</i>	11.08	
22 11 16 00-1012	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters .....	174.76	16.78
			<i>For Work In Restricted Working Space, Add</i>	12.61	
22 11 16 00-1013	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	253.86	19.86
			<i>For Work In Restricted Working Space, Add</i>	14.90	
22 11 16 00-1014	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	406.83	24.40
			<i>For Work In Restricted Working Space, Add</i>	18.34	
<b>22 11 16 00-1015</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings (22 11 16 00-0913)</b>		
22 11 16 00-1016	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	20.51	4.44
			<i>For Work In Restricted Working Space, Add</i>	3.30	
22 11 16 00-1017	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	28.87	6.17
			<i>For Work In Restricted Working Space, Add</i>	4.63	
22 11 16 00-1018	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	38.84	8.30
			<i>For Work In Restricted Working Space, Add</i>	6.22	
22 11 16 00-1019	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	54.19	10.90
			<i>For Work In Restricted Working Space, Add</i>	8.16	
22 11 16 00-1020	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	64.12	12.06
			<i>For Work In Restricted Working Space, Add</i>	9.02	
22 11 16 00-1021	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	73.07	13.40
			<i>For Work In Restricted Working Space, Add</i>	10.07	
22 11 16 00-1022	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	132.93	15.23
			<i>For Work In Restricted Working Space, Add</i>	11.45	
22 11 16 00-1023	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	140.82	18.03
			<i>For Work In Restricted Working Space, Add</i>	13.54	
22 11 16 00-1024	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	180.91	22.18
			<i>For Work In Restricted Working Space, Add</i>	16.66	
22 11 16 00-1025	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	317.92	28.25
			<i>For Work In Restricted Working Space, Add</i>	21.17	
22 11 16 00-1026	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	593.76	37.03
			<i>For Work In Restricted Working Space, Add</i>	27.77	
<b>22 11 16 00-1027</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions (22 11 16 00-0913)</b>		
22 11 16 00-1028	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	53.76	5.30
			<i>For Work In Restricted Working Space, Add</i>	3.96	
22 11 16 00-1029	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	61.03	7.42
			<i>For Work In Restricted Working Space, Add</i>	5.55	
22 11 16 00-1030	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	68.74	9.93
			<i>For Work In Restricted Working Space, Add</i>	7.46	
22 11 16 00-1031	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions .....	135.73	13.02
			<i>For Work In Restricted Working Space, Add</i>	9.78	
22 11 16 00-1032	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions .....	141.06	14.47
			<i>For Work In Restricted Working Space, Add</i>	10.82	
22 11 16 00-1033	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	214.51	16.10
			<i>For Work In Restricted Working Space, Add</i>	12.09	
22 11 16 00-1034	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions .....	407.02	18.32
			<i>For Work In Restricted Working Space, Add</i>	13.74	
22 11 16 00-1035	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	600.06	21.70
			<i>For Work In Restricted Working Space, Add</i>	16.26	
22 11 16 00-1036	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	994.62	26.62
			<i>For Work In Restricted Working Space, Add</i>	19.99	
22 11 16 00-1037	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	1,337.97	33.84
			<i>For Work In Restricted Working Space, Add</i>	25.40	
22 11 16 00-1038	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	1,642.03	44.45
			<i>For Work In Restricted Working Space, Add</i>	33.32	
<b>22 11 16 00-1039</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps (22 11 16 00-0913)</b>		
22 11 16 00-1040	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap .....	21.88	4.54
			<i>For Work In Restricted Working Space, Add</i>	2.06	
22 11 16 00-1041	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap .....	29.99	5.69
			<i>For Work In Restricted Working Space, Add</i>	2.60	
22 11 16 00-1042	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap .....	48.54	7.14
			<i>For Work In Restricted Working Space, Add</i>	3.27	
22 11 16 00-1043	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap .....	54.88	5.40
			<i>For Work In Restricted Working Space, Add</i>	4.08	
22 11 16 00-1044	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap .....	57.15	5.98
			<i>For Work In Restricted Working Space, Add</i>	4.51	
22 11 16 00-1045	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap .....	84.56	6.74
			<i>For Work In Restricted Working Space, Add</i>	5.03	



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22 11 16 00-1046	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	141.15 5.73	7.62
22 11 16 00-1047	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	147.42 6.77	9.06
22 11 16 00-1048	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	238.37 8.33	11.09
22 11 16 00-1049	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	559.33 10.59	14.07
22 11 16 00-1050	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	719.18 13.88	18.51
<b>22 11 16 00-1051</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges</b> <small>(22 11 16 00-0913)</small>		
22 11 16 00-1052	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	44.98 2.63	3.47
22 11 16 00-1053	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	51.14 3.70	4.92
22 11 16 00-1054	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	59.82 4.97	6.65
22 11 16 00-1055	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	66.27 6.54	8.68
22 11 16 00-1056	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	69.62 7.23	9.64
22 11 16 00-1057	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	87.33 8.04	10.71
22 11 16 00-1058	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	125.03 9.17	12.25
22 11 16 00-1059	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	139.09 10.82	14.47
22 11 16 00-1060	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	175.00 13.34	17.74
22 11 16 00-1061	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	261.74 16.95	22.56
22 11 16 00-1062	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	537.06 22.22	29.60
<b>22 11 16 00-1063</b>			<b>Red Brass Pipe And Fittings</b> <small>(22 11 16)</small> Note: ASTM B43 And B251 (Pipe), ASME B16.15.		
<b>22 11 16 00-1064</b>			<b>Schedule 40 Red Brass Pipe</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1065	LF		1/2" Schedule 40 Red Brass Pipe	28.56	2.03
22 11 16 00-1066	LF		3/4" Schedule 40 Red Brass Pipe	37.96	2.03
22 11 16 00-1067	LF		1" Schedule 40 Red Brass Pipe	51.96	2.03
22 11 16 00-1068	LF		1-1/4" Schedule 40 Red Brass Pipe	76.35	2.22
22 11 16 00-1069	LF		1-1/2" Schedule 40 Red Brass Pipe	87.97	2.41
22 11 16 00-1070	LF		2" Schedule 40 Red Brass Pipe	112.78	2.89
22 11 16 00-1071	LF		2-1/2" Schedule 40 Red Brass Pipe	164.19	3.28
22 11 16 00-1072	LF		3" Schedule 40 Red Brass Pipe	232.20	3.47
22 11 16 00-1073	LF		4" Schedule 40 Red Brass Pipe	333.05	3.47
<b>22 11 16 00-1074</b>			<b>125 LB Cast Bronze, Screwed, 90 Degree Elbows</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1075	EA		1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	57.00	24.00
22 11 16 00-1076	EA		3/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	64.81	26.42
22 11 16 00-1077	EA		1" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	81.93	31.24
22 11 16 00-1078	EA		1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	98.77	33.55
22 11 16 00-1079	EA		1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	111.07	35.96
22 11 16 00-1080	EA		2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	139.88	38.38
22 11 16 00-1081	EA		2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	241.76	48.02
22 11 16 00-1082	EA		3" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	337.79	57.57
22 11 16 00-1083	EA		4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	604.27	76.75
<b>22 11 16 00-1084</b>			<b>125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbows</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1085	EA		1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	60.01	24.00
22 11 16 00-1086	EA		3/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	69.18	26.42
22 11 16 00-1087	EA		1" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	91.08	31.24
22 11 16 00-1088	EA		1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	110.76	33.55
22 11 16 00-1089	EA		1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	127.58	35.96
22 11 16 00-1090	EA		2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	175.94	38.38
22 11 16 00-1091	EA		2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	271.79	48.02
22 11 16 00-1092	EA		3" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	430.12	57.57
22 11 16 00-1093	EA		4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	865.55	76.75
<b>22 11 16 00-1094</b>			<b>125 LB Cast Bronze, Screwed, 45 Degree Elbows</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1095	EA		1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	58.53	24.00
22 11 16 00-1096	EA		3/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	67.80	26.42
22 11 16 00-1097	EA		1" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	87.95	31.24
22 11 16 00-1098	EA		1-1/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	107.78	33.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1099 EA 1-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	123.07	35.96
22 11 16 00-1100 EA 2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	159.41	38.38
22 11 16 00-1101 EA 2-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	253.73	48.02
22 11 16 00-1102 EA 3" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	358.29	57.57
22 11 16 00-1103 EA 4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	804.84	76.75
<b>22 11 16 00-1104 125 LB Cast Bronze, Screwed, Tees</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1105 EA 1/2" 125 LB Cast Bronze, Screwed, Tee.....	82.52	35.96
22 11 16 00-1106 EA 3/4" 125 LB Cast Bronze, Screwed, Tee.....	93.71	39.34
22 11 16 00-1107 EA 1" 125 LB Cast Bronze, Screwed, Tee.....	120.16	46.57
22 11 16 00-1108 EA 1-1/4" 125 LB Cast Bronze, Screwed, Tee .....	147.37	50.43
22 11 16 00-1109 EA 1-1/2" 125 LB Cast Bronze, Screwed, Tee .....	160.08	53.70
22 11 16 00-1110 EA 2" 125 LB Cast Bronze, Screwed, Tee.....	202.31	57.57
22 11 16 00-1111 EA 2-1/2" 125 LB Cast Bronze, Screwed, Tee .....	342.29	72.02
22 11 16 00-1112 EA 3" 125 LB Cast Bronze, Screwed, Tee.....	475.94	86.39
22 11 16 00-1113 EA 4" 125 LB Cast Bronze, Screwed, Tee.....	981.53	115.13
<b>22 11 16 00-1114 125 LB Cast Bronze, Screwed, Reducing Tees</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1115 EA 1/2" 125 LB Cast Bronze, Screwed, Reducing Tee .....	87.01	35.96
22 11 16 00-1116 EA 3/4" 125 LB Cast Bronze, Screwed, Reducing Tee .....	96.74	39.34
22 11 16 00-1117 EA 1" 125 LB Cast Bronze, Screwed, Reducing Tee .....	132.18	46.57
22 11 16 00-1118 EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing Tee .....	156.38	50.43
22 11 16 00-1119 EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing Tee .....	184.12	53.70
22 11 16 00-1120 EA 2" 125 LB Cast Bronze, Screwed, Reducing Tee .....	239.87	57.57
22 11 16 00-1121 EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing Tee .....	415.34	72.02
22 11 16 00-1122 EA 3" 125 LB Cast Bronze, Screwed, Reducing Tee .....	793.38	86.39
22 11 16 00-1123 EA 4" 125 LB Cast Bronze, Screwed, Reducing Tee .....	1,231.92	115.13
<b>22 11 16 00-1124 125 LB Cast Bronze, Screwed, Crosses</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1125 EA 1/2" 125 LB Cast Bronze, Screwed, Cross .....	117.03	48.02
22 11 16 00-1126 EA 3/4" 125 LB Cast Bronze, Screwed, Cross .....	135.63	52.75
22 11 16 00-1127 EA 1" 125 LB Cast Bronze, Screwed, Cross .....	171.36	62.38
22 11 16 00-1128 EA 1-1/4" 125 LB Cast Bronze, Screwed, Cross .....	213.20	67.20
22 11 16 00-1129 EA 1-1/2" 125 LB Cast Bronze, Screwed, Cross .....	252.55	72.02
22 11 16 00-1130 EA 2" 125 LB Cast Bronze, Screwed, Cross .....	370.65	76.75
22 11 16 00-1131 EA 2-1/2" 125 LB Cast Bronze, Screwed, Cross .....	602.67	95.94
22 11 16 00-1132 EA 3" 125 LB Cast Bronze, Screwed, Cross .....	832.81	115.13
22 11 16 00-1133 EA 4" 125 LB Cast Bronze, Screwed, Cross .....	1,539.30	153.60
<b>22 11 16 00-1134 125 LB Cast Bronze, Screwed, Caps</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1135 EA 1/2" 125 LB Cast Bronze, Screwed, Cap .....	27.59	14.27
22 11 16 00-1136 EA 3/4" 125 LB Cast Bronze, Screwed, Cap .....	31.29	15.72
22 11 16 00-1137 EA 1" 125 LB Cast Bronze, Screwed, Cap .....	41.71	18.51
22 11 16 00-1138 EA 1-1/4" 125 LB Cast Bronze, Screwed, Cap .....	54.26	19.96
22 11 16 00-1139 EA 1-1/2" 125 LB Cast Bronze, Screwed, Cap .....	63.98	21.40
22 11 16 00-1140 EA 2" 125 LB Cast Bronze, Screwed, Cap .....	88.65	22.85
22 11 16 00-1141 EA 2-1/2" 125 LB Cast Bronze, Screwed, Cap .....	142.33	28.54
22 11 16 00-1142 EA 3" 125 LB Cast Bronze, Screwed, Cap .....	205.11	34.23
22 11 16 00-1143 EA 4" 125 LB Cast Bronze, Screwed, Cap .....	361.41	45.61
<b>22 11 16 00-1144 125 LB Cast Bronze, Screwed, Couplings</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1145 EA 1/2" 125 LB Cast Bronze, Screwed, Coupling.....	55.52	24.00
22 11 16 00-1146 EA 3/4" 125 LB Cast Bronze, Screwed, Coupling.....	63.33	26.42
22 11 16 00-1147 EA 1" 125 LB Cast Bronze, Screwed, Coupling.....	80.42	31.24
22 11 16 00-1148 EA 1-1/4" 125 LB Cast Bronze, Screwed, Coupling .....	97.24	33.55
22 11 16 00-1149 EA 1-1/2" 125 LB Cast Bronze, Screwed, Coupling .....	111.07	35.96
22 11 16 00-1150 EA 2" 125 LB Cast Bronze, Screwed, Coupling.....	141.39	38.38
22 11 16 00-1151 EA 2-1/2" 125 LB Cast Bronze, Screwed, Coupling .....	201.16	48.02
22 11 16 00-1152 EA 3" 125 LB Cast Bronze, Screwed, Coupling.....	260.95	57.57
22 11 16 00-1153 EA 4" 125 LB Cast Bronze, Screwed, Coupling.....	454.02	76.75
<b>22 11 16 00-1154 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducers</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1155 EA 1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	49.41	19.19
22 11 16 00-1156 EA 3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	56.50	21.59
22 11 16 00-1157 EA 1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	76.78	28.83
22 11 16 00-1158 EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	92.34	31.24
22 11 16 00-1159 EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	104.93	33.55
22 11 16 00-1160 EA 2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	127.82	35.96
22 11 16 00-1161 EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	187.64	45.61
22 11 16 00-1162 EA 3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	228.12	52.75
22 11 16 00-1163 EA 4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	401.23	69.61





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 11 16 00-1164</b> <b>125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducers</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1165 EA 3/4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	50.65	19.19
22 11 16 00-1166 EA 1" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	93.15	26.42
22 11 16 00-1167 EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	123.37	28.83
22 11 16 00-1168 EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	144.93	31.24
22 11 16 00-1169 EA 2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	194.46	35.96
22 11 16 00-1170 EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	301.26	45.61
22 11 16 00-1171 EA 3" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	365.41	48.02
22 11 16 00-1172 EA 4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	413.27	62.38
<b>22 11 16 00-1173</b> <b>125 LB Cast Bronze, FIP Threaded, Unions</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1174 EA 1/2" 125 LB Cast Bronze, FIP Threaded, Union .....	62.43	19.19
For 150 LB, Add	9.62	
22 11 16 00-1175 EA 3/4" 125 LB Cast Bronze, FIP Threaded, Union .....	75.28	21.12
For 150 LB, Add	13.22	
22 11 16 00-1176 EA 1" 125 LB Cast Bronze, FIP Threaded, Union .....	93.48	24.97
For 150 LB, Add	17.43	
22 11 16 00-1177 EA 1-1/4" 125 LB Cast Bronze, FIP Threaded, Union .....	116.83	26.90
For 150 LB, Add	25.23	
22 11 16 00-1178 EA 1-1/2" 125 LB Cast Bronze, FIP Threaded, Union .....	132.74	28.83
For 150 LB, Add	30.06	
22 11 16 00-1179 EA 2" 125 LB Cast Bronze, FIP Threaded, Union .....	157.06	32.59
For 150 LB, Add	36.72	
22 11 16 00-1180 EA 2-1/2" 125 LB Cast Bronze, FIP Threaded, Union .....	272.91	48.21
For 150 LB, Add	70.60	
For 250 LB, Add	150.02	
For 300 LB, Add	211.79	
22 11 16 00-1181 EA 3" 125 LB Cast Bronze, FIP Threaded, Union .....	399.49	63.39
For 150 LB, Add	109.08	
For 250 LB, Add	231.79	
For 300 LB, Add	327.23	
22 11 16 00-1182 EA 4" 125 LB Cast Bronze, FIP Threaded, Union .....	741.99	70.20
For 150 LB, Add	240.60	
For 250 LB, Add	511.28	
For 300 LB, Add	721.80	
<b>22 11 16 00-1183</b> <b>125 LB Cast Bronze, Screwed, Companion Flanges</b> <small>(22 11 16 00-1063)</small>		
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
22 11 16 00-1184 EA 1/2" 125 LB Cast Bronze, Screwed, Companion Flange .....	181.18	24.00
22 11 16 00-1185 EA 3/4" 125 LB Cast Bronze, Screwed, Companion Flange .....	196.92	28.83
22 11 16 00-1186 EA 1" 125 LB Cast Bronze, Screwed, Companion Flange .....	225.60	33.55
22 11 16 00-1187 EA 1-1/4" 125 LB Cast Bronze, Screwed, Companion Flange .....	257.73	35.96
22 11 16 00-1188 EA 1-1/2" 125 LB Cast Bronze, Screwed, Companion Flange .....	306.21	38.38
22 11 16 00-1189 EA 2" 125 LB Cast Bronze, Screwed, Companion Flange .....	387.55	40.79
22 11 16 00-1190 EA 2-1/2" 125 LB Cast Bronze, Screwed, Companion Flange .....	489.33	48.02
22 11 16 00-1191 EA 3" 125 LB Cast Bronze, Screwed, Companion Flange .....	606.20	59.98
22 11 16 00-1192 EA 4" 125 LB Cast Bronze, Screwed, Companion Flange .....	864.50	83.98
<b>22 11 16 00-1193</b> <b>125 LB Cast Bronze, Screwed, Square Head Plugs</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1194 EA 1/2" 125 LB Cast Bronze, Screwed, Square Head Plug .....	17.13	
22 11 16 00-1195 EA 3/4" 125 LB Cast Bronze, Screwed, Square Head Plug .....	17.78	
22 11 16 00-1196 EA 1" 125 LB Cast Bronze, Screwed, Square Head Plug .....	27.44	
22 11 16 00-1197 EA 1-1/4" 125 LB Cast Bronze, Screwed, Square Head Plug .....	31.95	
22 11 16 00-1198 EA 1-1/2" 125 LB Cast Bronze, Screwed, Square Head Plug .....	36.61	
22 11 16 00-1199 EA 2" 125 LB Cast Bronze, Screwed, Square Head Plug .....	55.29	
22 11 16 00-1200 EA 2-1/2" 125 LB Cast Bronze, Screwed, Square Head Plug .....	84.32	
22 11 16 00-1201 EA 3" 125 LB Cast Bronze, Screwed, Square Head Plug .....	124.24	
22 11 16 00-1202 EA 4" 125 LB Cast Bronze, Screwed, Square Head Plug .....	210.92	
<b>22 11 16 00-1203</b> <b>125 LB Cast Bronze, Screwed, Counter Sunk Plugs</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1204 EA 1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	7.53	
22 11 16 00-1205 EA 3/4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	9.01	
22 11 16 00-1206 EA 1" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	13.55	
22 11 16 00-1207 EA 1-1/4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	21.05	
22 11 16 00-1208 EA 1-1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	33.33	
22 11 16 00-1209 EA 2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	51.66	
22 11 16 00-1210 EA 2-1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	100.55	
22 11 16 00-1211 EA 3" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	162.84	
22 11 16 00-1212 EA 4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	397.15	
<b>22 11 16 00-1213</b> <b>125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushings</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1214 EA 1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing .....	6.00	
22 11 16 00-1215 EA 3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing .....	7.53	
22 11 16 00-1216 EA 1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing .....	10.54	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 11 16 00-1217	EA	1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	18.04
22 11 16 00-1218	EA	1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	25.57
22 11 16 00-1219	EA	2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	31.59
22 11 16 00-1220	EA	2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	39.64
22 11 16 00-1221	EA	3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	117.23
22 11 16 00-1222	EA	4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	256.77
<b>22 11 16 00-1223</b>		<b>125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushings (22 11 16 00-1063)</b>	
22 11 16 00-1224	EA	1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	10.54
22 11 16 00-1225	EA	3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	15.01
22 11 16 00-1226	EA	1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	26.16
22 11 16 00-1227	EA	1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	35.53
22 11 16 00-1228	EA	1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	44.42
22 11 16 00-1229	EA	2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	55.96
22 11 16 00-1230	EA	2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	114.26
22 11 16 00-1231	EA	3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	180.78
22 11 16 00-1232	EA	4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	379.90
<b>22 11 16 00-1233</b>		<b>1/2" Red Brass Pipe Nipples (22 11 16 00-1063)</b>	
		Note: Threaded both ends.	
22 11 16 00-1234	EA	1/2" x Close, Red Brass Pipe Nipple.....	9.51
22 11 16 00-1235	EA	1/2" x 1-1/2" Long, Red Brass Pipe Nipple.....	11.14
22 11 16 00-1236	EA	1/2" x 2" Long, Red Brass Pipe Nipple.....	13.65
22 11 16 00-1237	EA	1/2" x 2-1/2" Long, Red Brass Pipe Nipple.....	16.21
22 11 16 00-1238	EA	1/2" x 3" Long, Red Brass Pipe Nipple.....	18.78
22 11 16 00-1239	EA	1/2" x 3-1/2" Long, Red Brass Pipe Nipple.....	22.16
22 11 16 00-1240	EA	1/2" x 4" Long, Red Brass Pipe Nipple.....	24.85
22 11 16 00-1241	EA	1/2" x 4-1/2" Long, Red Brass Pipe Nipple.....	27.29
22 11 16 00-1242	EA	1/2" x 5" Long, Red Brass Pipe Nipple.....	29.86
22 11 16 00-1243	EA	1/2" x 5-1/2" Long, Red Brass Pipe Nipple.....	32.68
22 11 16 00-1244	EA	1/2" x 6" Long, Red Brass Pipe Nipple.....	35.18
<b>22 11 16 00-1245</b>		<b>3/4" Red Brass Pipe Nipples (22 11 16 00-1063)</b>	
		Note: Threaded both ends.	
22 11 16 00-1246	EA	3/4" x Close, Red Brass Pipe Nipple.....	13.90
22 11 16 00-1247	EA	3/4" x 1-1/2" Long, Red Brass Pipe Nipple.....	14.65
22 11 16 00-1248	EA	3/4" x 2" Long, Red Brass Pipe Nipple.....	17.72
22 11 16 00-1249	EA	3/4" x 2-1/2" Long, Red Brass Pipe Nipple.....	20.85
22 11 16 00-1250	EA	3/4" x 3" Long, Red Brass Pipe Nipple.....	23.66
22 11 16 00-1251	EA	3/4" x 3-1/2" Long, Red Brass Pipe Nipple.....	27.17
22 11 16 00-1252	EA	3/4" x 4" Long, Red Brass Pipe Nipple.....	30.55
22 11 16 00-1253	EA	3/4" x 4-1/2" Long, Red Brass Pipe Nipple.....	34.30
22 11 16 00-1254	EA	3/4" x 5" Long, Red Brass Pipe Nipple.....	37.44
22 11 16 00-1255	EA	3/4" x 5-1/2" Long, Red Brass Pipe Nipple.....	43.13
22 11 16 00-1256	EA	3/4" x 6" Long, Red Brass Pipe Nipple.....	45.32
<b>22 11 16 00-1257</b>		<b>1" Red Brass Pipe Nipples (22 11 16 00-1063)</b>	
		Note: Threaded both ends.	
22 11 16 00-1258	EA	1" x Close, Red Brass Pipe Nipple.....	21.16
22 11 16 00-1259	EA	1" x 1-1/2" Long, Red Brass Pipe Nipple.....	23.28
22 11 16 00-1260	EA	1" x 2" Long, Red Brass Pipe Nipple.....	25.42
22 11 16 00-1261	EA	1" x 2-1/2" Long, Red Brass Pipe Nipple.....	30.24
22 11 16 00-1262	EA	1" x 3" Long, Red Brass Pipe Nipple.....	34.18
22 11 16 00-1263	EA	1" x 3-1/2" Long, Red Brass Pipe Nipple.....	40.25
22 11 16 00-1264	EA	1" x 4" Long, Red Brass Pipe Nipple.....	45.07
22 11 16 00-1265	EA	1" x 4-1/2" Long, Red Brass Pipe Nipple.....	49.83
22 11 16 00-1266	EA	1" x 5" Long, Red Brass Pipe Nipple.....	54.71
22 11 16 00-1267	EA	1" x 5-1/2" Long, Red Brass Pipe Nipple.....	59.85
22 11 16 00-1268	EA	1" x 6" Long, Red Brass Pipe Nipple.....	64.60
<b>22 11 16 00-1269</b>		<b>1-1/4" Red Brass Pipe Nipples (22 11 16 00-1063)</b>	
		Note: Threaded both ends.	
22 11 16 00-1270	EA	1-1/4" x Close, Red Brass Pipe Nipple.....	31.30
22 11 16 00-1271	EA	1-1/4" x 1-1/2" Long, Red Brass Pipe Nipple.....	33.35
22 11 16 00-1272	EA	1-1/4" x 2" Long, Red Brass Pipe Nipple.....	35.87
22 11 16 00-1273	EA	1-1/4" x 2-1/2" Long, Red Brass Pipe Nipple.....	43.19
22 11 16 00-1274	EA	1-1/4" x 3" Long, Red Brass Pipe Nipple.....	50.45
22 11 16 00-1275	EA	1-1/4" x 3-1/2" Long, Red Brass Pipe Nipple.....	59.22
22 11 16 00-1276	EA	1-1/4" x 4" Long, Red Brass Pipe Nipple.....	66.48
22 11 16 00-1277	EA	1-1/4" x 4-1/2" Long, Red Brass Pipe Nipple.....	73.74
22 11 16 00-1278	EA	1-1/4" x 5" Long, Red Brass Pipe Nipple.....	81.07
22 11 16 00-1279	EA	1-1/4" x 5-1/2" Long, Red Brass Pipe Nipple.....	88.70
22 11 16 00-1280	EA	1-1/4" x 6" Long, Red Brass Pipe Nipple.....	95.96



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1281				<b>1-1/2" Red Brass Pipe Nipples</b> (22 11 16 00-1063) Note: Threaded both ends.		
22 11 16 00-1282	EA			1-1/2" x Close, Red Brass Pipe Nipple .....	38.94	
22 11 16 00-1283	EA			1-1/2" x 1-1/2" Long, Red Brass Pipe Nipple .....	40.63	
22 11 16 00-1284	EA			1-1/2" x 2" Long, Red Brass Pipe Nipple .....	42.32	
22 11 16 00-1285	EA			1-1/2" x 2-1/2" Long, Red Brass Pipe Nipple .....	51.46	
22 11 16 00-1286	EA			1-1/2" x 3" Long, Red Brass Pipe Nipple .....	58.34	
22 11 16 00-1287	EA			1-1/2" x 3-1/2" Long, Red Brass Pipe Nipple .....	68.61	
22 11 16 00-1288	EA			1-1/2" x 4" Long, Red Brass Pipe Nipple .....	77.25	
22 11 16 00-1289	EA			1-1/2" x 4-1/2" Long, Red Brass Pipe Nipple .....	86.20	
22 11 16 00-1290	EA			1-1/2" x 5" Long, Red Brass Pipe Nipple .....	94.84	
22 11 16 00-1291	EA			1-1/2" x 5-1/2" Long, Red Brass Pipe Nipple .....	103.29	
22 11 16 00-1292	EA			1-1/2" x 6" Long, Red Brass Pipe Nipple .....	111.74	
22 11 16 00-1293				<b>2" Red Brass Pipe Nipples</b> (22 11 16 00-1063) Note: Threaded both ends.		
22 11 16 00-1294	EA			2" x Close, Red Brass Pipe Nipple.....	59.85	
22 11 16 00-1295	EA			2" x 1-1/2" Long, Red Brass Pipe Nipple .....	61.94	
22 11 16 00-1296	EA			2" x 2" Long, Red Brass Pipe Nipple .....	64.01	
22 11 16 00-1297	EA			2" x 2-1/2" Long, Red Brass Pipe Nipple .....	66.11	
22 11 16 00-1298	EA			2" x 3" Long, Red Brass Pipe Nipple .....	74.87	
22 11 16 00-1299	EA			2" x 3-1/2" Long, Red Brass Pipe Nipple .....	88.27	
22 11 16 00-1300	EA			2" x 4" Long, Red Brass Pipe Nipple .....	99.16	
22 11 16 00-1301	EA			2" x 4-1/2" Long, Red Brass Pipe Nipple .....	110.05	
22 11 16 00-1302	EA			2" x 5" Long, Red Brass Pipe Nipple .....	119.88	
22 11 16 00-1303	EA			2" x 5-1/2" Long, Red Brass Pipe Nipple .....	132.21	
22 11 16 00-1304	EA			2" x 6" Long, Red Brass Pipe Nipple .....	143.04	
22 11 16 00-1305				<b>Cross-Linked Polyethylene Tubing, ASTM F877</b> (22 11 16) Note: Aboveground, domestic water usage.		
22 11 16 00-1306				<b>Cross-Linked Polyethylene Tubing</b> (22 11 16 00-1305)		
22 11 16 00-1307	LF			3/8" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing.....	4.38	
				<i>For Work In Restricted Working Space, Add</i>	0.91	
22 11 16 00-1308	LF			1/2" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing.....	4.78	
				<i>For Work In Restricted Working Space, Add</i>	0.98	
22 11 16 00-1309	LF			3/4" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing.....	6.29	
				<i>For Work In Restricted Working Space, Add</i>	1.06	
22 11 16 00-1310	LF			1" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing.....	8.46	
				<i>For Work In Restricted Working Space, Add</i>	1.12	
22 11 16 00-1311				<b>Cross-Linked Polyethylene Forged Brass PEX Fittings</b> (22 11 16 00-1305) Note: Aboveground, domestic water usage.		
22 11 16 00-1312				<b>Male Adapters</b> (22 11 16 00-1311)		
22 11 16 00-1313	EA			3/8" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	21.10	
				<i>For Work In Restricted Working Space, Add</i>	4.71	
22 11 16 00-1314	EA			1/2" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	22.77	
				<i>For Work In Restricted Working Space, Add</i>	5.03	
22 11 16 00-1315	EA			1/2" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	25.07	
				<i>For Work In Restricted Working Space, Add</i>	5.34	
22 11 16 00-1316	EA			3/4" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	26.12	
				<i>For Work In Restricted Working Space, Add</i>	5.65	
22 11 16 00-1317	EA			3/4" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	25.07	
				<i>For Work In Restricted Working Space, Add</i>	5.34	
22 11 16 00-1318	EA			1" x 1", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	33.76	
				<i>For Work In Restricted Working Space, Add</i>	6.28	
22 11 16 00-1319				<b>Female Adapters</b> (22 11 16 00-1311)		
22 11 16 00-1320	EA			1/2" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing .....	23.40	
				<i>For Work In Restricted Working Space, Add</i>	5.03	
22 11 16 00-1321	EA			1/2" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing .....	26.80	
				<i>For Work In Restricted Working Space, Add</i>	5.34	
22 11 16 00-1322	EA			3/4" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing .....	27.85	
				<i>For Work In Restricted Working Space, Add</i>	5.65	
22 11 16 00-1323	EA			3/4" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing .....	26.80	
				<i>For Work In Restricted Working Space, Add</i>	5.34	
22 11 16 00-1324	EA			1" x 1", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing .....	34.55	
				<i>For Work In Restricted Working Space, Add</i>	6.28	
22 11 16 00-1325				<b>Tube Adapters</b> (22 11 16 00-1311)		
22 11 16 00-1326	EA			3/8" x 1/2" Forged Brass Tube Adapter For PEX Tubing.....	18.54	
				<i>For Work In Restricted Working Space, Add</i>	4.71	
22 11 16 00-1327	EA			1/2" Forged Brass Tube Adapter For PEX Tubing.....	19.58	
				<i>For Work In Restricted Working Space, Add</i>	5.03	
22 11 16 00-1328	EA			3/4" Forged Brass Tube Adapter For PEX Tubing.....	24.07	
				<i>For Work In Restricted Working Space, Add</i>	5.65	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 16 00-1329	EA		1" Forged Brass Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	32.15 6.28	
<b>22 11 16 00-1330</b>			<b>Plugs</b> (22 11 16 00-1311)		
22 11 16 00-1331	EA		3/8" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	9.53 2.20	
22 11 16 00-1332	EA		1/2" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	10.57 2.51	
22 11 16 00-1333	EA		3/4" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	12.25 2.83	
22 11 16 00-1334	EA		1" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	15.70 3.14	
<b>22 11 16 00-1335</b>			<b>Tees</b> (22 11 16 00-1311)		
22 11 16 00-1336	EA		3/8" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	26.59 6.60	
22 11 16 00-1337	EA		1/2" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	29.73 7.54	
22 11 16 00-1338	EA		3/4" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	36.01 8.48	
22 11 16 00-1339	EA		1" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	48.01 9.42	
22 11 16 00-1340	EA		1/2" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	28.68 7.22	
22 11 16 00-1341	EA		3/4" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	33.93 7.85	
22 11 16 00-1342	EA		1" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	43.60 8.48	
<b>22 11 16 00-1343</b>			<b>Couplings</b> (22 11 16 00-1311)		
22 11 16 00-1344	EA		3/8" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	17.02 4.40	
22 11 16 00-1345	EA		1/2" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	19.27 5.03	
22 11 16 00-1346	EA		3/4" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	22.14 5.65	
22 11 16 00-1347	EA		1" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	27.90 6.28	
22 11 16 00-1348	EA		3/4" x 1/2" Forged Brass Reducing Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	21.09 5.34	
22 11 16 00-1349	EA		1" x 3/4" Forged Brass Reducing Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	26.85 5.97	
<b>22 11 16 00-1350</b>			<b>Fitting Reducers</b> (22 11 16 00-1311)		
22 11 16 00-1351	EA		3/8" x 1/2" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	19.01 4.71	
22 11 16 00-1352	EA		1/2" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	20.05 5.03	
22 11 16 00-1353	EA		3/4" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	25.02 5.65	
22 11 16 00-1354	EA		1" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	37.54 6.28	
<b>22 11 16 00-1355</b>			<b>90 Degree Elbows</b> (22 11 16 00-1311)		
22 11 16 00-1356	EA		3/8" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	18.44 4.40	
22 11 16 00-1357	EA		1/2" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	20.53 5.03	
22 11 16 00-1358	EA		3/4" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	25.02 5.65	
22 11 16 00-1359	EA		3/4" x 1/2" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	23.97 5.34	
22 11 16 00-1360	EA		1/2" Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	30.36 5.03	
22 11 16 00-1361	EA		3/4" Forged Brass Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	33.87 5.65	
22 11 16 00-1362	EA		3/4" x 1/2" Forged Brass Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	32.82 5.34	
<b>22 11 19</b>			<b>Domestic Water Piping Specialties</b> (22 11)		
<b>22 11 19 00-0001</b>			<b>Rubber Hose And Clamps</b> (22 11 19)		
<b>22 11 19 00-0002</b>			<b>General Purpose Hose</b> (22 11 19 00-0001) Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0003	LF		3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	6.61	2.08
22 11 19 00-0004	LF		1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	7.74	2.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0005 LF 5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	9.42	2.08
22 11 19 00-0006 LF 3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	9.50	2.08
22 11 19 00-0007 LF 1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	12.87	3.13
22 11 19 00-0008 LF 1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	21.10	3.13
22 11 19 00-0009 LF 1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	22.96	4.16
22 11 19 00-0010 LF 2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	43.67	4.16
<b>22 11 19 00-0011 Reinforced EPDM Water Hose Assembly</b> (22 11 19 00-0001)		
Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.		
22 11 19 00-0012 LF 1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	57.80	4.16
22 11 19 00-0013 LF 2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	68.15	4.16
22 11 19 00-0014 LF 3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	95.81	5.12
22 11 19 00-0015 LF 4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	134.48	6.92
<b>22 11 19 00-0016 Chemical Resistant Rubber Hoses</b> (22 11 19 00-0001)		
22 11 19 00-0017 EA 50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose.....	1,245.16	255.19
22 11 19 00-0018 EA 50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose.....	1,726.57	255.19
<b>22 11 19 00-0019 Water Pump Hose</b> (22 11 19 00-0001)		
22 11 19 00-0020 EA 2" Inside Diameter, 20' Rubber Discharge Hose.....	498.30	63.60
22 11 19 00-0021 EA 2" Inside Diameter, 20' Rubber Intake Hose.....	527.01	63.60
<b>22 11 19 00-0022 Barbed Hose x Threaded Male Pipe, Steel Coupling</b> (22 11 19 00-0001)		
22 11 19 00-0023 EA 3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling.....	26.00	8.74
22 11 19 00-0024 EA 1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling.....	27.58	9.37
22 11 19 00-0025 EA 5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling.....	29.54	9.99
22 11 19 00-0026 EA 3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling.....	34.13	11.24
22 11 19 00-0027 EA 1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling.....	40.18	13.74
22 11 19 00-0028 EA 1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling.....	47.60	16.45
22 11 19 00-0029 EA 1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling.....	61.33	21.64
22 11 19 00-0030 EA 2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling.....	77.22	27.06
<b>22 11 19 00-0031 Worm-Drive Hose Clamp</b> (22 11 19 00-0001)		
22 11 19 00-0032 EA 3/8" To 1" Diameter Worm Drive Hose Clamp.....	10.88	3.13
22 11 19 00-0033 EA 1/2" To 1-1/8" Diameter Worm Drive Hose Clamp.....	11.50	3.13
22 11 19 00-0034 EA 5/8" To 1-1/2" Diameter Worm Drive Hose Clamp.....	12.18	3.13
22 11 19 00-0035 EA 3/4" To 2" Diameter Worm Drive Hose Clamp.....	12.96	3.13
22 11 19 00-0036 EA 1" To 2-1/2" Diameter Worm Drive Hose Clamp.....	13.86	3.13
22 11 19 00-0037 EA 1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp.....	15.00	4.16
22 11 19 00-0038 EA 1-1/2" To 3" Diameter Worm Drive Hose Clamp.....	16.19	4.16
<b>22 11 19 00-0039 Trap Primer And Accessories</b> (22 11 19)		
<b>22 11 19 00-0040 Trap Primer</b> (22 11 19 00-0039)		
22 11 19 00-0041 EA 1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699).....	283.89	15.71
22 11 19 00-0042 EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500).....	173.90	10.47
22 11 19 00-0043 EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500).....	168.33	10.47
<b>22 11 19 00-0044 Trap Primer Distribution Unit</b> (22 11 19 00-0039)		
22 11 19 00-0045 EA Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U).....	142.73	20.94
Note: Can be used for two, three or four drains.		
22 11 19 00-0046 EA Copper Four Opening Trap Primer Distribution Unit (PPP DU-4).....	157.73	20.94
Note: Can be used for two, three or four drains.		
<b>22 11 19 00-0047 Trap Primer Manifold</b> (22 11 19 00-0039)		
22 11 19 00-0048 EA Two Outlet Trap Primer Manifold.....	227.47	28.16
22 11 19 00-0049 EA Four Outlet Trap Primer Manifold.....	345.68	32.04
22 11 19 00-0050 EA Six Outlet Trap Primer Manifold.....	461.40	33.93
22 11 19 00-0051 EA Eight Outlet Trap Primer Manifold.....	580.87	39.78
<b>22 11 19 00-0052 Sewage Air Release Valves</b> (22 11 19)		
<b>22 11 19 00-0053 Cast Iron, Sewage Air Release Valves</b> (22 11 19 00-0052)		
Note: Stainless steel float.		
22 11 19 00-0054 EA 2" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400).....	945.79	38.24
For Back Flush Attachment, Add		650.00
22 11 19 00-0055 EA 3" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400).....	1,157.53	63.89
For Back Flush Attachment, Add		650.00



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0056	EA		4" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400) ..... <i>For Back Flush Attachment, Add</i>	1,467.89 650.00	80.66
<b>22 11 19 00-0057</b>			<b>Cast Iron, Sewage Air Vacuum Valves</b> (22 11 19 00-0052) Note: Stainless steel float.		
22 11 19 00-0058	EA		2" x 1" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401) ..... <i>For Back Flush Attachment, Add</i>	966.49 650.00	38.24
22 11 19 00-0059	EA		2" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402) ..... <i>For Back Flush Attachment, Add</i>	1,903.09 650.00	38.24
22 11 19 00-0060	EA		3" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403) ..... <i>For Back Flush Attachment, Add</i>	2,280.41 650.00	63.89
22 11 19 00-0061	EA		4" NPT x 4" With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404) .....	3,379.90	80.66
<b>22 11 19 00-0062</b>			<b>Cast Iron, Sewage Combination Air Valves</b> (22 11 19 00-0052) Note: Stainless steel float.		
22 11 19 00-0063	EA		2" x 1" NPT, Sewage Combination Air Valve (Apco 443).....	2,073.86	38.24
22 11 19 00-0064	EA		2" x 2" NPT, Sewage Combination Air Valve (Apco 445).....	2,862.98	38.24
22 11 19 00-0065	EA		3" x 3" NPT, Sewage Combination Air Valve (Apco 447).....	3,346.38	63.89
22 11 19 00-0066	EA		4" x 4" NPT, Sewage Combination Air Valve (Apco 449).....	4,091.41	80.66
<b>22 11 19 00-0067</b>			<b>Brass, Anti Siphon Vacuum Breakers</b> (22 11 19) Note: Watts 288A		
22 11 19 00-0068	EA		1/2" Brass, Anti Siphon Vacuum Breaker.....	99.81	26.18
22 11 19 00-0069	EA		3/4" Brass, Anti Siphon Vacuum Breaker.....	114.83	29.31
22 11 19 00-0070	EA		1" Brass, Anti Siphon Vacuum Breaker.....	239.35	33.50
22 11 19 00-0071	EA		1-1/4" Brass, Anti Siphon Vacuum Breaker.....	382.96	38.73
22 11 19 00-0072	EA		1-1/2" Brass, Anti Siphon Vacuum Breaker.....	457.57	42.92
22 11 19 00-0073	EA		2" Brass, Anti Siphon Vacuum Breaker.....	671.44	52.35
22 11 19 00-0074	EA		2-1/2" Brass, Anti Siphon Vacuum Breaker.....	1,771.66	65.44
<b>22 11 19 00-0075</b>			<b>Anti Siphon Pressure Vacuum Breakers</b> (22 11 19) Note: Watts 800M4QT		
22 11 19 00-0076	EA		1/2" Anti Siphon Pressure Type Vacuum Breaker.....	300.85	26.18
22 11 19 00-0077	EA		3/4" Anti Siphon Pressure Type Vacuum Breaker.....	262.07	29.31
22 11 19 00-0078	EA		1" Anti Siphon Pressure Type Vacuum Breaker.....	376.09	33.50
22 11 19 00-0079	EA		1-1/4" Anti Siphon Pressure Type Vacuum Breaker.....	683.79	38.73
22 11 19 00-0080	EA		1-1/2" Anti Siphon Pressure Type Vacuum Breaker.....	832.99	42.92
22 11 19 00-0081	EA		2" Anti Siphon Pressure Type Vacuum Breaker.....	839.60	52.35
<b>22 11 19 00-0082</b>			<b>Bellows Type Water Hammer Arrestors</b> (22 11 19)		
22 11 19 00-0083	EA		Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005).....	277.49	12.52
22 11 19 00-0084	EA		>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010).....	544.04	15.15
22 11 19 00-0085	EA		>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020).....	798.71	15.15
22 11 19 00-0086	EA		>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030).....	1,956.81	15.15
22 11 19 00-0087	EA		>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040).....	2,204.87	15.15
22 11 19 00-0088	EA		>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050).....	2,702.46	15.15
<b>22 11 19 00-0089</b>			<b>Piston Type Water Hammer Arrestors</b> (22 11 19)		
<b>22 11 19 00-0090</b>			<b>Threaded Piston Type Water Hammer Arrestors</b> (22 11 19 00-0089)		
22 11 19 00-0091	EA		Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A).....	167.66	6.98
22 11 19 00-0092	EA		>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B).....	323.51	8.05
22 11 19 00-0093	EA		>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C).....	481.68	8.73
22 11 19 00-0094	EA		>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D).....	1,187.76	11.26
22 11 19 00-0095	EA		>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E).....	1,446.57	13.96
22 11 19 00-0096	EA		>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F).....	1,646.28	15.15
<b>22 11 19 00-0097</b>			<b>Escutcheons</b> (22 11 19)		
<b>22 11 19 00-0098</b>			<b>Brass Escutcheons</b> (22 11 19 00-0097)		
<b>22 11 19 00-0099</b>			<b>Shallow Brass Escutcheons</b> (22 11 19 00-0098)		
22 11 19 00-0100	EA		3/8" IPS, Antique Or Polished Brass Shallow Escutcheon.....	12.51	2.62
22 11 19 00-0101	EA		1/2" IPS, Antique Or Polished Brass Shallow Escutcheon.....	13.54	2.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 11 19 00-0102</b> <b>Deep Bell Brass Escutcheons</b> (22 11 19 00-0098)		
22 11 19 00-0103    EA    3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	14.87	2.93
22 11 19 00-0104    EA    1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	14.91	2.93
<b>22 11 19 00-0105</b> <b>Chrome Plated Brass Escutcheons With Setscrew</b> (22 11 19 00-0098)		
22 11 19 00-0106    EA    3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	23.73	2.62
22 11 19 00-0107    EA    1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	24.00	2.62
22 11 19 00-0108    EA    5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	24.39	2.62
22 11 19 00-0109    EA    3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	25.83	2.62
22 11 19 00-0110    EA    7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	26.17	3.14
22 11 19 00-0111    EA    1" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	27.56	3.14
22 11 19 00-0112    EA    1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	28.48	3.46
22 11 19 00-0113    EA    1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	29.73	3.67
22 11 19 00-0114    EA    2" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	43.26	4.19
<b>22 11 19 00-0115</b> <b>Plastic Escutcheons</b> (22 11 19 00-0097)		
<b>22 11 19 00-0116</b> <b>Split-Ring White Plastic Escutcheons</b> (22 11 19 00-0115)		
22 11 19 00-0117    EA    3/8" IPS, Split-Ring White Plastic Escutcheon.....	6.19	2.60
22 11 19 00-0118    EA    1/2" IPS, Split-Ring White Plastic Escutcheon.....	6.19	2.60
22 11 19 00-0119    EA    3/4" IPS, Split-Ring White Plastic Escutcheon.....	7.17	2.91
22 11 19 00-0120    EA    1" IPS, Split-Ring White Plastic Escutcheon.....	7.77	3.13
22 11 19 00-0121    EA    1-1/4" IPS, Split-Ring White Plastic Escutcheon.....	8.37	3.44
22 11 19 00-0122    EA    1-1/2" IPS, Split-Ring White Plastic Escutcheon.....	8.96	3.65
22 11 19 00-0123    EA    2" IPS, Split-Ring White Plastic Escutcheon.....	10.12	4.16
22 11 19 00-0124    EA    2-1/2" IPS, Split-Ring White Plastic Escutcheon.....	12.68	4.47
22 11 19 00-0125    EA    3" IPS, Split-Ring White Plastic Escutcheon.....	15.27	4.68
22 11 19 00-0126    EA    4" IPS, Split-Ring White Plastic Escutcheon.....	18.36	5.21
<b>22 11 19 00-0127</b> <b>Chrome Plate Plastic Escutcheons</b> (22 11 19 00-0115)		
22 11 19 00-0128    EA    1/2" IPS, Chrome Plate Plastic Escutcheon.....	7.87	2.60
22 11 19 00-0129    EA    3/4" IPS, Chrome Plate Plastic Escutcheon.....	8.61	2.91
22 11 19 00-0130    EA    1" IPS, Chrome Plate Plastic Escutcheon.....	9.62	3.13
22 11 19 00-0131    EA    1-1/4" IPS, Chrome Plate Plastic Escutcheon .....	10.65	3.44
22 11 19 00-0132    EA    1-1/2" IPS, Chrome Plate Plastic Escutcheon .....	11.25	3.65
22 11 19 00-0133    EA    2" IPS, Chrome Plate Plastic Escutcheon.....	14.02	4.16
22 11 19 00-0134    EA    2-1/2" IPS, Chrome Plate Plastic Escutcheon .....	19.71	4.47
22 11 19 00-0135    EA    3" IPS, Chrome Plate Plastic Escutcheon.....	20.46	4.68
22 11 19 00-0136    EA    4" IPS, Chrome Plate Plastic Escutcheon.....	21.93	5.21
<b>22 11 19 00-0137</b> <b>Stainless Steel Escutcheons</b> (22 11 19 00-0097)		
<b>22 11 19 00-0138</b> <b>Shallow Stainless Steel Escutcheons</b> (22 11 19 00-0137)		
22 11 19 00-0139    EA    3/8" IPS, Shallow Stainless Steel Escutcheon.....	17.44	2.62
22 11 19 00-0140    EA    1/2" IPS, Shallow Stainless Steel Escutcheon.....	17.44	2.62
22 11 19 00-0141    EA    3/4" IPS, Shallow Stainless Steel Escutcheon.....	25.12	2.93
<b>22 11 19 00-0142</b> <b>Chrome Plated Steel Escutcheons</b> (22 11 19 00-0097)		
<b>22 11 19 00-0143</b> <b>Split-Ring Chrome Plated Steel Escutcheons</b> (22 11 19 00-0142)		
22 11 19 00-0144    EA    1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	6.03	2.60
22 11 19 00-0145    EA    3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	6.55	2.91
22 11 19 00-0146    EA    1" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	7.21	3.13
22 11 19 00-0147    EA    1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	7.73	3.44
22 11 19 00-0148    EA    1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	8.26	3.65
22 11 19 00-0149    EA    2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	9.54	4.16
22 11 19 00-0150    EA    2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	15.53	4.47
22 11 19 00-0151    EA    3" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	16.51	4.68
22 11 19 00-0152    EA    3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	20.85	4.99
22 11 19 00-0153    EA    4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	17.95	5.21
22 11 19 00-0154    EA    5" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	23.76	5.73
22 11 19 00-0155    EA    6" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	27.99	6.24
<b>22 11 19 00-0156</b> <b>Split-Ring/Springs Chrome Plated Steel Escutcheons</b> (22 11 19 00-0142)		
22 11 19 00-0157    EA    3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	10.62	2.60
22 11 19 00-0158    EA    1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	10.62	2.60
22 11 19 00-0159    EA    3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	11.31	2.91
22 11 19 00-0160    EA    1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	11.36	3.13
22 11 19 00-0161    EA    1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	13.53	3.44
22 11 19 00-0162    EA    1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	14.29	3.65
22 11 19 00-0163    EA    2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	17.04	4.16
22 11 19 00-0164    EA    2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	19.83	4.47
22 11 19 00-0165    EA    3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	24.68	4.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0166 EA 3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	30.84	4.99
22 11 19 00-0167 EA 4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	31.19	5.21
22 11 19 00-0168 EA 5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	53.29	5.73
22 11 19 00-0169 EA 6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	55.47	6.24
<b>22 11 19 00-0170 Deep Bell Chrome Plated Steel Escutcheons (22 11 19 00-0142)</b>		
22 11 19 00-0171 EA 3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon .....	7.51	2.93
22 11 19 00-0172 EA 1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon .....	7.37	2.93
22 11 19 00-0173 EA 3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon .....	7.09	2.93
22 11 19 00-0174 EA 1" IPS, Deep Bell Chrome Plated Steel Escutcheon .....	7.99	3.14
22 11 19 00-0175 EA 1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon .....	8.68	3.46
22 11 19 00-0176 EA 1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon .....	9.61	3.67
<b>22 11 19 00-0177 Shallow Chrome Plated Steel Escutcheons (22 11 19 00-0142)</b>		
22 11 19 00-0178 EA 3/8" IPS, Shallow Chrome Plated Steel Escutcheon .....	6.56	2.62
22 11 19 00-0179 EA 1/2" IPS, Shallow Chrome Plated Steel Escutcheon .....	6.56	2.62
22 11 19 00-0180 EA 3/4" IPS, Shallow Chrome Plated Steel Escutcheon .....	6.69	2.62
22 11 19 00-0181 EA 1" IPS, Shallow Chrome Plated Steel Escutcheon .....	7.18	3.14
22 11 19 00-0182 EA 1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon .....	7.77	3.46
22 11 19 00-0183 EA 1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon .....	8.68	3.67
22 11 19 00-0184 EA 2" IPS, Shallow Chrome Plated Steel Escutcheon .....	9.82	4.19
<b>22 11 19 00-0185 Wall Hydrants (22 11 19)</b>		
Note: Female inlet connection, 3/4" hose thread outlet.		
<b>22 11 19 00-0186 Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0185)</b>		
Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0187 EA 6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant .....	841.86	26.18
For Cast Bronze Box, Add	43.74	
For 1" NPT Outlet, Add	103.08	
22 11 19 00-0188 EA 12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant .....	885.08	31.41
For Cast Bronze Box, Add	43.74	
For 1" NPT Outlet, Add	103.08	
22 11 19 00-0189 EA 18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant .....	906.52	37.80
For Cast Bronze Box, Add	43.74	
For 1" NPT Outlet, Add	103.08	
<b>22 11 19 00-0190 Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0185)</b>		
Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0191 EA Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant .....	832.21	43.97
For Cast Bronze Box, Add	43.74	
For 1" NPT Outlet, Add	103.08	
<b>22 11 19 00-0192 Cast Bronze Non-Freezing Wall Hydrant (22 11 19 00-0185)</b>		
Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0193 EA 3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant .....	442.80	32.46
For 1" NPT Outlet, Add	103.08	
22 11 19 00-0194 EA 4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant .....	553.54	32.46
For 1" NPT Outlet, Add	103.08	
22 11 19 00-0195 EA 6" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant .....	553.54	32.46
For 1" NPT Outlet, Add	103.08	
22 11 19 00-0196 EA 8" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant .....	553.54	32.46
For 1" NPT Outlet, Add	103.08	
22 11 19 00-0197 EA 10" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant .....	579.31	65.44
For 1" NPT Outlet, Add	103.08	
22 11 19 00-0198 EA 12" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant .....	579.31	65.44
For 1" NPT Outlet, Add	103.08	
22 11 19 00-0199 EA 18" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant .....	656.40	65.44
For 1" NPT Outlet, Add	103.08	
<b>22 11 19 00-0200 Stainless Steel Box Type Wall Hydrants (22 11 19 00-0185)</b>		
Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0201 EA Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140) .....	412.14	26.18
22 11 19 00-0202 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141) .....	450.78	26.18
22 11 19 00-0203 EA Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150) .....	456.05	26.18
22 11 19 00-0204 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151) .....	514.00	26.18
22 11 19 00-0205 EA Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145) .....	726.38	36.65
Note: Includes hot and cold hose connections.		
22 11 19 00-0206 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146) .....	749.21	36.65
Note: Includes hot and cold hose connections.		
22 11 19 00-0207 EA Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155) .....	749.21	36.65
Note: Includes hot and cold hose connections.		
22 11 19 00-0208 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156) .....	803.65	36.65
Note: Includes hot and cold hose connections.		





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0209				<b>Washer Boxes And Dryer Outlets</b> (22 11 19)		
22 11 19 00-0210				<b>Dryer Vent Kit</b> (22 11 19 00-0209) Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0211	EA			Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps .....	74.90	13.61
22 11 19 00-0212				<b>Washer Boxes And Dryer Vents</b> (22 11 19 00-0209) Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0213	EA			2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves .....	261.34	20.94
22 11 19 00-0214				<b>Ice Maker Outlet Box</b> (22 11 19) Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0215	EA			Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount .....	140.45	20.94
22 11 19 00-0216	EA			Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount .....	143.29	20.94
22 11 19 00-0217	EA			Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	217.28	20.94
22 11 19 00-0218				<b>Tempering Controllers For Potable Hot Water</b> (22 11 19)		
22 11 19 00-0219				<b>Point-Of-Use Thermostatic Mixing Valves (Bradley)</b> (22 11 19 00-0218) Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0220	EA			1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007) .....	548.68	25.35
22 11 19 00-0221	EA			1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004).....	133.25	25.35
22 11 19 00-0222	EA			1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008).....	306.58	25.35
22 11 19 00-0223	EA			3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016).....	349.26	34.14
22 11 19 00-0224				<b>Thermostatic Mixing Valves (Bradley)</b> (22 11 19 00-0218) Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0225	EA			3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025) .....	1,507.30	36.55
22 11 19 00-0226	EA			3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045) .....	1,689.71	45.02
22 11 19 00-0227	EA			1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080).....	2,032.31	52.37
22 11 19 00-0228	EA			1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130).....	2,641.34	55.04
22 11 19 00-0229	EA			2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200) .....	3,547.46	71.41
22 11 19 00-0230				<b>High Low Temperature Thermostatic Mixing Valves (Bradley)</b> (22 11 19 00-0218) Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0231	EA			3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045) .....	3,862.29	56.30
22 11 19 00-0232	EA			1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080).....	5,031.15	65.46
22 11 19 00-0233	EA			1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130).....	5,871.62	68.81
22 11 19 00-0234	EA			2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200) .....	6,497.90	89.26
22 11 19 00-0235				<b>Thermostatic Mixing Valves (Leonard)</b> (22 11 19 00-0218) Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0236	EA			3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF) .....	1,089.23	36.55
22 11 19 00-0237	EA			Note: For hot water or two pipe low pressure steam. 1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF).....	1,281.35	45.02
22 11 19 00-0238	EA			Note: For hot water or two pipe low pressure steam. 1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF) .....	1,576.35	52.37
22 11 19 00-0239	EA			Note: For hot water or two pipe low pressure steam. 1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF) .....	1,932.07	55.06
22 11 19 00-0240	EA			Note: For hot water or two pipe low pressure steam. 2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF).....	2,875.81	71.41
22 11 19 00-0241				<b>Water Mixing/Self Operating Temperature Regulator</b> (22 11 19 00-0218) Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0242	EA			3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	3,120.62	52.35
22 11 19 00-0243	EA			1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	3,300.47	65.96
22 11 19 00-0244	EA			1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	3,630.91	79.57
22 11 19 00-0245	EA			1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	3,993.12	93.18
22 11 19 00-0246	EA			2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	4,756.06	122.50
22 11 19 00-0247	EA			2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	5,626.38	139.71



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0248			<b>Thermostatic Mixing Valves (Holby)</b> <small>(22 11 19 00-0218)</small>		
22 11 19 00-0249	EA		2-1/2" Thermostatic Mixing Valve (Holby HOLBY2500).....	5,154.95	71.43
22 11 19 00-0250			<b>Backflow Preventer Valves</b> <small>(22 11 19)</small>		
22 11 19 00-0251			<b>Double Check Valve Backflow Preventer Assemblies</b> <small>(22 11 19 00-0250)</small>		
22 11 19 00-0252			<b>Threaded Double Check Valve Assemblies</b> <small>(22 11 19 00-0251)</small>		
22 11 19 00-0253			<b>Double Check Valve Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0252)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0254	EA		1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series).....	425.57	28.06
			<i>For Work In Restricted Working Space, Add</i>	21.05	
			<i>For Owner Furnished Material, Deduct</i>	-355.42	
22 11 19 00-0255	EA		3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	500.69	39.78
			<i>For Work In Restricted Working Space, Add</i>	29.84	
			<i>For Owner Furnished Material, Deduct</i>	-401.23	
22 11 19 00-0256	EA		1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	576.68	48.58
			<i>For Work In Restricted Working Space, Add</i>	36.44	
			<i>For Owner Furnished Material, Deduct</i>	-455.23	
22 11 19 00-0257	EA		1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	810.15	56.54
			<i>For Work In Restricted Working Space, Add</i>	42.40	
			<i>For Owner Furnished Material, Deduct</i>	-668.81	
22 11 19 00-0258	EA		1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	1,004.55	64.91
			<i>For Work In Restricted Working Space, Add</i>	48.37	
			<i>For Owner Furnished Material, Deduct</i>	-843.32	
22 11 19 00-0259	EA		2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	1,154.87	83.75
			<i>For Work In Restricted Working Space, Add</i>	62.82	
			<i>For Owner Furnished Material, Deduct</i>	-945.48	
22 11 19 00-0260			<b>Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer</b> <small>(22 11 19 00-0252)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0261	EA		1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	527.27	28.06
			<i>For Work In Restricted Working Space, Add</i>	21.05	
			<i>For Owner Furnished Material, Deduct</i>	-457.12	
22 11 19 00-0262	EA		3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	649.65	39.78
			<i>For Work In Restricted Working Space, Add</i>	29.84	
			<i>For Owner Furnished Material, Deduct</i>	-550.19	
22 11 19 00-0263	EA		1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	759.30	48.58
			<i>For Work In Restricted Working Space, Add</i>	36.44	
			<i>For Owner Furnished Material, Deduct</i>	-637.85	
22 11 19 00-0264	EA		1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,070.35	56.54
			<i>For Work In Restricted Working Space, Add</i>	42.40	
			<i>For Owner Furnished Material, Deduct</i>	-929.01	
22 11 19 00-0265	EA		1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,311.01	64.91
			<i>For Work In Restricted Working Space, Add</i>	48.37	
			<i>For Owner Furnished Material, Deduct</i>	-1,149.78	
22 11 19 00-0266	EA		2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,577.97	83.75
			<i>For Work In Restricted Working Space, Add</i>	62.82	
			<i>For Owner Furnished Material, Deduct</i>	-1,368.58	
22 11 19 00-0267			<b>Flanged Double Check Valve Assemblies</b> <small>(22 11 19 00-0251)</small>		
22 11 19 00-0268			<b>Double Check Valve Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0267)</small>		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).		
22 11 19 00-0269	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS) .....	5,818.28	231.41
			<i>For Work In Restricted Working Space, Add</i>	92.57	
			<i>For Owner Furnished Material, Deduct</i>	-5,509.73	
22 11 19 00-0270	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS).....	6,392.56	260.34
			<i>For Work In Restricted Working Space, Add</i>	102.69	
			<i>For Owner Furnished Material, Deduct</i>	-6,050.26	
22 11 19 00-0271			<b>Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0267)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).		
22 11 19 00-0272	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY) .....	6,378.31	231.41
			<i>For Work In Restricted Working Space, Add</i>	92.57	
			<i>For Owner Furnished Material, Deduct</i>	-6,069.76	
22 11 19 00-0273	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY) .....	7,325.94	260.34
			<i>For Work In Restricted Working Space, Add</i>	102.69	
			<i>For Owner Furnished Material, Deduct</i>	-6,983.64	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0274			<b>Double Check Valve Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0267)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).		
22 11 19 00-0275	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	5,858.66	231.41
			<i>For Work In Restricted Working Space, Add</i>	92.56	
			<i>For Owner Furnished Material, Deduct</i>	-5,550.13	
22 11 19 00-0276	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	4,456.64	260.34
			<i>For Work In Restricted Working Space, Add</i>	102.69	
			<i>For Owner Furnished Material, Deduct</i>	-4,114.33	
22 11 19 00-0277	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	6,979.37	385.68
			<i>For Work In Restricted Working Space, Add</i>	154.19	
			<i>For Owner Furnished Material, Deduct</i>	-6,465.40	
22 11 19 00-0278	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series) .....	10,581.07	568.23
			<i>For Work In Restricted Working Space, Add</i>	307.94	
			<i>For Owner Furnished Material, Deduct</i>	-9,554.59	
22 11 19 00-0279	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series) .....	24,261.23	852.35
			<i>For Work In Restricted Working Space, Add</i>	461.99	
			<i>For Owner Furnished Material, Deduct</i>	-22,721.26	
22 11 19 00-0280	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series) .....	31,177.03	1,008.15
			<i>For Work In Restricted Working Space, Add</i>	549.90	
			<i>For Owner Furnished Material, Deduct</i>	-29,344.02	
22 11 19 00-0281			<b>Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer</b> <small>(22 11 19 00-0267)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0282	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	8,162.08	385.68
			<i>For Work In Restricted Working Space, Add</i>	154.18	
			<i>For Owner Furnished Material, Deduct</i>	-7,648.15	
22 11 19 00-0283	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	13,553.28	568.23
			<i>For Work In Restricted Working Space, Add</i>	307.94	
			<i>For Owner Furnished Material, Deduct</i>	-12,526.80	
22 11 19 00-0284	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	36,247.62	1,008.15
			<i>For Work In Restricted Working Space, Add</i>	549.90	
			<i>For Owner Furnished Material, Deduct</i>	-34,414.61	
22 11 19 00-0285			<b>Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0267)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).		
22 11 19 00-0286	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	6,225.05	231.41
			<i>For Work In Restricted Working Space, Add</i>	92.56	
			<i>For Owner Furnished Material, Deduct</i>	-5,916.52	
22 11 19 00-0287	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series) .....	6,839.74	260.34
			<i>For Work In Restricted Working Space, Add</i>	102.69	
			<i>For Owner Furnished Material, Deduct</i>	-6,497.44	
22 11 19 00-0288	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	7,408.41	385.68
			<i>For Work In Restricted Working Space, Add</i>	154.18	
			<i>For Owner Furnished Material, Deduct</i>	-6,894.48	
22 11 19 00-0289	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	12,405.36	568.23
			<i>For Work In Restricted Working Space, Add</i>	307.94	
			<i>For Owner Furnished Material, Deduct</i>	-11,378.88	
22 11 19 00-0290	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	25,776.04	852.35
			<i>For Work In Restricted Working Space, Add</i>	461.92	
			<i>For Owner Furnished Material, Deduct</i>	-24,236.31	
22 11 19 00-0291	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	33,131.87	1,008.15
			<i>For Work In Restricted Working Space, Add</i>	549.90	
			<i>For Owner Furnished Material, Deduct</i>	-31,298.86	
22 11 19 00-0292			<b>Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0267)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
22 11 19 00-0293	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	3,693.91	231.41
			<i>For Work In Restricted Working Space, Add</i>	92.56	
			<i>For Owner Furnished Material, Deduct</i>	-3,385.38	
22 11 19 00-0294	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	4,066.42	260.34
			<i>For Work In Restricted Working Space, Add</i>	102.69	
			<i>For Owner Furnished Material, Deduct</i>	-3,724.12	
22 11 19 00-0295	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	4,576.78	385.68
			<i>For Work In Restricted Working Space, Add</i>	154.18	
			<i>For Owner Furnished Material, Deduct</i>	-4,062.85	
22 11 19 00-0296	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	7,379.32	568.23
			<i>For Work In Restricted Working Space, Add</i>	307.94	
			<i>For Owner Furnished Material, Deduct</i>	-6,352.84	
22 11 19 00-0297	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	14,099.83	852.35
			<i>For Work In Restricted Working Space, Add</i>	461.92	
			<i>For Owner Furnished Material, Deduct</i>	-12,560.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0298	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	15,273.20 549.90 -13,440.19	1,008.15
<b>22 11 19 00-0299</b>			<b>N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> (22 11 19 00-0267) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		
22 11 19 00-0300	EA		2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,895.12 92.56 -4,586.59	231.41
22 11 19 00-0301	EA		3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,267.62 102.69 -4,925.32	260.34
22 11 19 00-0302	EA		4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,584.04 154.18 -6,070.11	385.68
22 11 19 00-0303	EA		6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,739.56 307.94 -9,713.08	568.23
22 11 19 00-0304	EA		8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	19,080.04 461.92 -17,540.31	852.35
22 11 19 00-0305	EA		10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	22,704.93 549.90 -20,871.92	1,008.15
<b>22 11 19 00-0306</b>			<b>Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves</b> (22 11 19 00-0267) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
22 11 19 00-0307	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,455.00 92.56 -3,146.47	231.41
22 11 19 00-0308	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,838.37 102.69 -3,496.07	260.34
22 11 19 00-0309	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,359.46 154.18 -3,845.53	385.68
22 11 19 00-0310	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,208.59 307.94 -6,182.11	568.23
22 11 19 00-0311	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	13,935.30 461.92 -12,395.57	852.35
22 11 19 00-0312	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	15,732.58 549.90 -13,899.57	1,008.15
<b>22 11 19 00-0313</b>			<b>N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs</b> (22 11 19 00-0267) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0314	EA		2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,555.48 92.56 -4,246.95	231.41
22 11 19 00-0315	EA		3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,927.98 102.69 -4,585.68	260.34
22 11 19 00-0316	EA		4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,244.82 154.18 -5,730.89	385.68
22 11 19 00-0317	EA		6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,378.25 307.94 -9,351.77	568.23
22 11 19 00-0318	EA		8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	18,533.17 461.92 -16,993.44	852.35
22 11 19 00-0319	EA		10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	22,156.46 549.90 -20,323.45	1,008.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 11 19 00-0320 Double Check Valve Assemblies With Butterfly Shut-Off Valves</b> <small>(22 11 19 00-0267)</small>		
<small>Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).</small>		
22 11 19 00-0321 EA 2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) .....	4,020.04	231.41
<i>For Work In Restricted Working Space, Add</i>	92.56	
<i>For Owner Furnished Material, Deduct</i>	-3,711.51	
22 11 19 00-0322 EA 3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) .....	4,392.54	260.34
<i>For Work In Restricted Working Space, Add</i>	102.69	
<i>For Owner Furnished Material, Deduct</i>	-4,050.24	
22 11 19 00-0323 EA 4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) .....	4,902.91	385.68
<i>For Work In Restricted Working Space, Add</i>	154.18	
<i>For Owner Furnished Material, Deduct</i>	-4,388.98	
22 11 19 00-0324 EA 6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) .....	7,713.66	568.23
<i>For Work In Restricted Working Space, Add</i>	307.94	
<i>For Owner Furnished Material, Deduct</i>	-6,687.18	
22 11 19 00-0325 EA 8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) .....	14,434.17	852.35
<i>For Work In Restricted Working Space, Add</i>	461.92	
<i>For Owner Furnished Material, Deduct</i>	-12,894.44	
<b>22 11 19 00-0326 N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs</b> <small>(22 11 19 00-0267)</small>		
<small>Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).</small>		
22 11 19 00-0327 EA 2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series) .....	5,221.25	231.41
<i>For Work In Restricted Working Space, Add</i>	92.56	
<i>For Owner Furnished Material, Deduct</i>	-4,912.72	
22 11 19 00-0328 EA 3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) .....	5,593.75	260.34
<i>For Work In Restricted Working Space, Add</i>	102.69	
<i>For Owner Furnished Material, Deduct</i>	-5,251.45	
22 11 19 00-0329 EA 4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) .....	6,910.16	385.68
<i>For Work In Restricted Working Space, Add</i>	154.18	
<i>For Owner Furnished Material, Deduct</i>	-6,396.23	
22 11 19 00-0330 EA 6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) .....	11,073.97	568.23
<i>For Work In Restricted Working Space, Add</i>	307.94	
<i>For Owner Furnished Material, Deduct</i>	-10,047.49	
22 11 19 00-0331 EA 8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) .....	14,434.17	852.35
<i>For Work In Restricted Working Space, Add</i>	461.92	
<i>For Owner Furnished Material, Deduct</i>	-12,894.44	
<b>22 11 19 00-0332 Grooved Double Check Valve Assemblies</b> <small>(22 11 19 00-0251)</small>		
<b>22 11 19 00-0333 Double Check Valve Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0332)</small>		
<small>Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).</small>		
22 11 19 00-0334 EA 2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) .....	3,455.00	123.42
<i>For Work In Restricted Working Space, Add</i>	92.56	
<i>For Owner Furnished Material, Deduct</i>	-3,146.47	
22 11 19 00-0335 EA 3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) .....	3,838.37	136.92
<i>For Work In Restricted Working Space, Add</i>	102.69	
<i>For Owner Furnished Material, Deduct</i>	-3,496.07	
<b>22 11 19 00-0336 N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0332)</small>		
<small>Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).</small>		
22 11 19 00-0337 EA 2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series) .....	4,555.48	123.42
<i>For Work In Restricted Working Space, Add</i>	92.56	
<i>For Owner Furnished Material, Deduct</i>	-4,246.95	
22 11 19 00-0338 EA 3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series) .....	4,927.98	136.92
<i>For Work In Restricted Working Space, Add</i>	102.69	
<i>For Owner Furnished Material, Deduct</i>	-4,585.68	
<b>22 11 19 00-0339 Reduced Pressure Zone Backflow Preventer Assemblies</b> <small>(22 11 19 00-0250)</small>		
<b>22 11 19 00-0340 Threaded Reduced Pressure Zone Assemblies</b> <small>(22 11 19 00-0339)</small>		
<b>22 11 19 00-0341 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0340)</small>		
<small>Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).</small>		
22 11 19 00-0342 EA 1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) .....	474.11	24.29
<i>For Work In Restricted Working Space, Add</i>	18.22	
<i>For Owner Furnished Material, Deduct</i>	-413.38	
22 11 19 00-0343 EA 3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) .....	500.46	26.80
<i>For Work In Restricted Working Space, Add</i>	20.10	
<i>For Owner Furnished Material, Deduct</i>	-433.45	
22 11 19 00-0344 EA 1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) .....	583.61	28.06
<i>For Work In Restricted Working Space, Add</i>	21.05	
<i>For Owner Furnished Material, Deduct</i>	-513.46	
22 11 19 00-0345 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series) .....	783.30	39.78
<i>For Work In Restricted Working Space, Add</i>	29.84	
<i>For Owner Furnished Material, Deduct</i>	-683.84	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0346	EA	1"	Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	929.04 36.44 -807.59	48.58
22 11 19 00-0347	EA	1-1/4"	Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,408.22 42.40 -1,266.88	56.54
22 11 19 00-0348	EA	1-1/2"	Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,487.69 48.37 -1,326.46	64.91
22 11 19 00-0349	EA	2"	Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,783.44 62.82 -1,574.05	83.75
<b>22 11 19 00-0350</b>			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer</b> <small>(22 11 19 00-0340)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
22 11 19 00-0351	EA	1/4"	Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	524.15 18.22 -463.42	24.29
22 11 19 00-0352	EA	3/8"	Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	553.20 20.10 -486.19	26.80
22 11 19 00-0353	EA	1/2"	Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	655.89 21.05 -585.74	39.78
22 11 19 00-0354	EA	3/4"	Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	896.88 29.84 -797.42	39.78
22 11 19 00-0355	EA	1"	Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,071.07 36.44 -949.62	48.58
22 11 19 00-0356	EA	1-1/4"	Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,601.90 42.40 -1,460.56	56.54
22 11 19 00-0357	EA	1-1/2"	Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,761.02 48.37 -1,599.79	64.91
22 11 19 00-0358	EA	2"	Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,118.79 62.82 -1,909.40	83.75
<b>22 11 19 00-0359</b>			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0340)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0360	EA	3/4"	Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	783.30 29.84 -683.84	39.78
22 11 19 00-0361	EA	1"	Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	929.04 36.44 -807.59	48.58
22 11 19 00-0362	EA	1-1/4"	Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,408.22 42.40 -1,266.88	56.54
22 11 19 00-0363	EA	1-1/2"	Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,487.69 48.37 -1,326.46	64.91
22 11 19 00-0364	EA	2"	Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,783.44 62.82 -1,574.05	83.75
<b>22 11 19 00-0365</b>			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer</b> <small>(22 11 19 00-0340)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0366	EA	3/4"	Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	896.88 29.84 -797.42	39.78
22 11 19 00-0367	EA	1"	Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,071.07 36.44 -949.62	48.58



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0368	EA			1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,601.90	56.54
				<i>For Work In Restricted Working Space, Add</i>	42.40	
				<i>For Owner Furnished Material, Deduct</i>	-1,460.56	
22 11 19 00-0369	EA			1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,761.02	64.91
				<i>For Work In Restricted Working Space, Add</i>	48.37	
				<i>For Owner Furnished Material, Deduct</i>	-1,599.79	
22 11 19 00-0370	EA			2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	2,118.79	83.75
				<i>For Work In Restricted Working Space, Add</i>	62.82	
				<i>For Owner Furnished Material, Deduct</i>	-1,909.40	
<b>22 11 19 00-0371</b>				<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0340)</small>		
				Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
22 11 19 00-0372	EA			3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT) .....	1,626.93	39.78
				<i>For Work In Restricted Working Space, Add</i>	29.84	
				<i>For Owner Furnished Material, Deduct</i>	-1,527.47	
22 11 19 00-0373	EA			1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT) .....	1,925.36	48.58
				<i>For Work In Restricted Working Space, Add</i>	36.44	
				<i>For Owner Furnished Material, Deduct</i>	-1,803.91	
22 11 19 00-0374	EA			1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT) .....	2,967.42	56.54
				<i>For Work In Restricted Working Space, Add</i>	42.40	
				<i>For Owner Furnished Material, Deduct</i>	-2,826.08	
22 11 19 00-0375	EA			1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT) .....	3,207.17	64.91
				<i>For Work In Restricted Working Space, Add</i>	48.37	
				<i>For Owner Furnished Material, Deduct</i>	-3,045.94	
22 11 19 00-0376	EA			2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT).....	3,718.20	83.75
				<i>For Work In Restricted Working Space, Add</i>	62.82	
				<i>For Owner Furnished Material, Deduct</i>	-3,508.81	
<b>22 11 19 00-0377</b>				<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer</b> <small>(22 11 19 00-0340)</small>		
				Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).		
22 11 19 00-0378	EA			3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S).....	2,194.72	39.78
				<i>For Work In Restricted Working Space, Add</i>	29.84	
				<i>For Owner Furnished Material, Deduct</i>	-2,095.26	
22 11 19 00-0379	EA			1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S).....	2,608.60	48.58
				<i>For Work In Restricted Working Space, Add</i>	36.44	
				<i>For Owner Furnished Material, Deduct</i>	-2,487.15	
22 11 19 00-0380	EA			1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	3,981.62	56.54
				<i>For Work In Restricted Working Space, Add</i>	42.40	
				<i>For Owner Furnished Material, Deduct</i>	-3,840.28	
22 11 19 00-0381	EA			1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	4,348.66	64.91
				<i>For Work In Restricted Working Space, Add</i>	48.37	
				<i>For Owner Furnished Material, Deduct</i>	-4,187.43	
22 11 19 00-0382	EA			2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	5,163.64	83.75
				<i>For Work In Restricted Working Space, Add</i>	62.82	
				<i>For Owner Furnished Material, Deduct</i>	-4,954.25	
<b>22 11 19 00-0383</b>				<b>Flanged Reduced Pressure Zone Assemblies</b> <small>(22 11 19 00-0339)</small>		
<b>22 11 19 00-0384</b>				<b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0383)</small>		
				Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).		
22 11 19 00-0385	EA			2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	5,348.80	231.41
				<i>For Work In Restricted Working Space, Add</i>	92.57	
				<i>For Owner Furnished Material, Deduct</i>	-5,040.25	
22 11 19 00-0386	EA			3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	6,027.56	260.34
				<i>For Work In Restricted Working Space, Add</i>	102.69	
				<i>For Owner Furnished Material, Deduct</i>	-5,685.26	
<b>22 11 19 00-0387</b>				<b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer</b> <small>(22 11 19 00-0383)</small>		
				Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).		
22 11 19 00-0388	EA			2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	6,382.49	231.41
				<i>For Work In Restricted Working Space, Add</i>	92.57	
				<i>For Owner Furnished Material, Deduct</i>	-6,073.94	
22 11 19 00-0389	EA			3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	7,228.42	260.34
				<i>For Work In Restricted Working Space, Add</i>	102.69	
				<i>For Owner Furnished Material, Deduct</i>	-6,886.12	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 11 19 00-0390	<b>Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0383)</small>		
	Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).		
22 11 19 00-0391	EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	5,744.45	231.41
	<i>For Work In Restricted Working Space, Add</i>	92.57	
	<i>For Owner Furnished Material, Deduct</i>	-5,435.90	
22 11 19 00-0392	EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	6,685.11	260.34
	<i>For Work In Restricted Working Space, Add</i>	102.69	
	<i>For Owner Furnished Material, Deduct</i>	-6,342.81	
22 11 19 00-0393	<b>Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer</b> <small>(22 11 19 00-0383)</small>		
	Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)		
22 11 19 00-0394	EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	6,382.49	231.41
	<i>For Work In Restricted Working Space, Add</i>	92.57	
	<i>For Owner Furnished Material, Deduct</i>	-6,073.94	
22 11 19 00-0395	EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	7,228.42	260.34
	<i>For Work In Restricted Working Space, Add</i>	102.69	
	<i>For Owner Furnished Material, Deduct</i>	-6,886.12	
22 11 19 00-0396	<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0383)</small>		
	Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).		
22 11 19 00-0397	EA 2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	7,088.79	231.41
	<i>For Work In Restricted Working Space, Add</i>	92.57	
	<i>For Owner Furnished Material, Deduct</i>	-6,780.24	
22 11 19 00-0398	EA 3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	8,204.98	260.34
	<i>For Work In Restricted Working Space, Add</i>	102.69	
	<i>For Owner Furnished Material, Deduct</i>	-7,862.68	
22 11 19 00-0399	<b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0383)</small>		
	Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).		
22 11 19 00-0400	EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	9,209.08	231.41
	<i>For Work In Restricted Working Space, Add</i>	92.56	
	<i>For Owner Furnished Material, Deduct</i>	-8,900.55	
22 11 19 00-0401	EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	10,463.22	260.34
	<i>For Work In Restricted Working Space, Add</i>	102.69	
	<i>For Owner Furnished Material, Deduct</i>	-10,120.91	
22 11 19 00-0402	EA 4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	13,166.15	385.68
	<i>For Work In Restricted Working Space, Add</i>	154.19	
	<i>For Owner Furnished Material, Deduct</i>	-12,652.18	
22 11 19 00-0403	EA 6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	19,820.37	568.23
	<i>For Work In Restricted Working Space, Add</i>	431.15	
	<i>For Owner Furnished Material, Deduct</i>	-18,383.20	
22 11 19 00-0404	EA 8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	32,899.15	852.35
	<i>For Work In Restricted Working Space, Add</i>	646.73	
	<i>For Owner Furnished Material, Deduct</i>	-30,743.39	
22 11 19 00-0405	EA 10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	42,551.94	1,008.15
	<i>For Work In Restricted Working Space, Add</i>	549.90	
	<i>For Owner Furnished Material, Deduct</i>	-40,718.93	
22 11 19 00-0406	<b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer</b> <small>(22 11 19 00-0383)</small>		
	Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).		
22 11 19 00-0407	EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	9,926.53	231.41
	<i>For Work In Restricted Working Space, Add</i>	92.56	
	<i>For Owner Furnished Material, Deduct</i>	-9,618.00	
22 11 19 00-0408	EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	11,218.27	260.34
	<i>For Work In Restricted Working Space, Add</i>	102.69	
	<i>For Owner Furnished Material, Deduct</i>	-10,875.97	
22 11 19 00-0409	EA 4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	14,323.78	385.68
	<i>For Work In Restricted Working Space, Add</i>	154.18	
	<i>For Owner Furnished Material, Deduct</i>	-13,809.85	
22 11 19 00-0410	EA 6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	21,588.71	568.23
	<i>For Work In Restricted Working Space, Add</i>	307.94	
	<i>For Owner Furnished Material, Deduct</i>	-20,562.23	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0411 EA 8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	34,973.34	852.35
<i>For Work In Restricted Working Space, Add</i>	461.92	
<i>For Owner Furnished Material, Deduct</i>	-33,433.61	
22 11 19 00-0412 EA 10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	47,491.16	1,008.15
<i>For Work In Restricted Working Space, Add</i>	549.90	
<i>For Owner Furnished Material, Deduct</i>	-45,658.15	
<b>22 11 19 00-0413 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0383)</small>		
<i>Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).</i>		
22 11 19 00-0414 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	9,799.75	231.41
<i>For Work In Restricted Working Space, Add</i>	92.56	
<i>For Owner Furnished Material, Deduct</i>	-9,491.22	
22 11 19 00-0415 EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	11,140.27	260.34
<i>For Work In Restricted Working Space, Add</i>	102.69	
<i>For Owner Furnished Material, Deduct</i>	-10,797.96	
22 11 19 00-0416 EA 4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	14,007.59	385.68
<i>For Work In Restricted Working Space, Add</i>	154.19	
<i>For Owner Furnished Material, Deduct</i>	-13,493.62	
22 11 19 00-0417 EA 6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	20,636.29	568.23
<i>For Work In Restricted Working Space, Add</i>	307.94	
<i>For Owner Furnished Material, Deduct</i>	-19,609.81	
22 11 19 00-0418 EA 8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	34,333.63	852.35
<i>For Work In Restricted Working Space, Add</i>	461.92	
<i>For Owner Furnished Material, Deduct</i>	-32,793.90	
22 11 19 00-0419 EA 10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	45,265.01	1,008.15
<i>For Work In Restricted Working Space, Add</i>	549.90	
<i>For Owner Furnished Material, Deduct</i>	-43,432.00	
22 11 19 00-0420 Double Check Detector Assemblies <small>(22 11 19 00-0250)</small>		
22 11 19 00-0421 Flanged Double Check Detector Assemblies With Meter <small>(22 11 19 00-0420)</small>		
22 11 19 00-0422 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter <small>(22 11 19 00-0421)</small>		
<i>Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).</i>		
22 11 19 00-0423 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	7,339.94	260.34
<i>For Work In Restricted Working Space, Add</i>	102.69	
<i>For Owner Furnished Material, Deduct</i>	-6,997.64	
22 11 19 00-0424 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	7,673.93	385.68
<i>For Work In Restricted Working Space, Add</i>	154.18	
<i>For Owner Furnished Material, Deduct</i>	-7,160.00	
22 11 19 00-0425 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	10,323.99	568.23
<i>For Work In Restricted Working Space, Add</i>	307.94	
<i>For Owner Furnished Material, Deduct</i>	-9,297.51	
22 11 19 00-0426 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	18,345.52	852.35
<i>For Work In Restricted Working Space, Add</i>	461.92	
<i>For Owner Furnished Material, Deduct</i>	-16,805.79	
22 11 19 00-0427 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	24,800.85	1,008.15
<i>For Work In Restricted Working Space, Add</i>	549.90	
<i>For Owner Furnished Material, Deduct</i>	-22,967.84	
22 11 19 00-0428 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter <small>(22 11 19 00-0421)</small>		
<i>Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).</i>		
22 11 19 00-0429 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	5,492.64	231.41
<i>For Work In Restricted Working Space, Add</i>	92.57	
<i>For Owner Furnished Material, Deduct</i>	-5,184.09	
22 11 19 00-0430 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	5,864.78	260.34
<i>For Work In Restricted Working Space, Add</i>	102.69	
<i>For Owner Furnished Material, Deduct</i>	-5,522.48	
22 11 19 00-0431 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	6,383.15	385.68
<i>For Work In Restricted Working Space, Add</i>	154.18	
<i>For Owner Furnished Material, Deduct</i>	-5,869.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0432 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....	8,647.60	568.23
For Work In Restricted Working Space, Add	307.94	
For Owner Furnished Material, Deduct	-7,621.12	
22 11 19 00-0433 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....	15,315.59	852.35
For Work In Restricted Working Space, Add	461.92	
For Owner Furnished Material, Deduct	-13,775.86	
22 11 19 00-0434 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....	18,059.13	1,008.15
For Work In Restricted Working Space, Add	549.90	
For Owner Furnished Material, Deduct	-16,226.12	
<b>22 11 19 00-0435 Double Check Detector Assembly With Butterfly Valves And Meter</b> <small>(22 11 19 00-0421)</small>		
Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
22 11 19 00-0436 EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....	5,818.84	231.41
For Work In Restricted Working Space, Add	92.57	
For Owner Furnished Material, Deduct	-5,510.29	
22 11 19 00-0437 EA 3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....	6,190.97	260.34
For Work In Restricted Working Space, Add	102.69	
For Owner Furnished Material, Deduct	-5,848.67	
22 11 19 00-0438 EA 4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....	6,709.28	385.68
For Work In Restricted Working Space, Add	154.18	
For Owner Furnished Material, Deduct	-6,195.35	
22 11 19 00-0439 EA 6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....	8,981.95	568.23
For Work In Restricted Working Space, Add	307.94	
For Owner Furnished Material, Deduct	-7,955.47	
22 11 19 00-0440 EA 8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....	14,914.44	852.35
For Work In Restricted Working Space, Add	461.92	
For Owner Furnished Material, Deduct	-13,374.71	
<b>22 11 19 00-0441 Flanged Double Check Detector Assemblies Without Meter</b> <small>(22 11 19 00-0420)</small>		
<b>22 11 19 00-0442 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter</b> <small>(22 11 19 00-0441)</small>		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).		
22 11 19 00-0443 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	5,389.65	231.41
For Work In Restricted Working Space, Add	92.57	
22 11 19 00-0444 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	5,761.83	260.34
For Work In Restricted Working Space, Add	102.69	
22 11 19 00-0445 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	6,280.20	385.68
For Work In Restricted Working Space, Add	154.18	
22 11 19 00-0446 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	8,544.65	568.23
For Work In Restricted Working Space, Add	307.94	
22 11 19 00-0447 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	15,212.71	852.35
For Work In Restricted Working Space, Add	461.92	
22 11 19 00-0448 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	17,956.11	1,008.15
For Work In Restricted Working Space, Add	549.90	
<b>22 11 19 00-0449 Double Check Detector Assembly With Butterfly Valves Less Meter</b> <small>(22 11 19 00-0441)</small>		
Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0450 EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) .....	5,715.82	231.41
For Work In Restricted Working Space, Add	92.57	
22 11 19 00-0451 EA 3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) .....	6,087.95	260.34
For Work In Restricted Working Space, Add	102.69	
22 11 19 00-0452 EA 4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) .....	6,606.33	385.68
For Work In Restricted Working Space, Add	154.18	
22 11 19 00-0453 EA 6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) .....	8,878.93	568.23
For Work In Restricted Working Space, Add	307.94	
22 11 19 00-0454 EA 8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) .....	15,547.05	852.35
For Work In Restricted Working Space, Add	461.92	
<b>22 11 19 00-0455 Backflow Preventer Accessories</b> <small>(22 11 19 00-0250)</small>		
<b>22 11 19 00-0456 Air Gap</b> <small>(22 11 19 00-0455)</small>		
22 11 19 00-0457 EA Up To 1" Diameter Air Gap For Backflow Preventer .....	120.76	13.09
22 11 19 00-0458 EA 1-1/4" To 2" Diameter Air Gap For Backflow Preventer .....	148.67	15.71
22 11 19 00-0459 EA 2-1/2" To 3" Diameter Air Gap For Backflow Preventer .....	280.57	20.94
22 11 19 00-0460 EA 4" To 6" Diameter Air Gap For Backflow Preventer .....	555.74	36.65
22 11 19 00-0461 EA 8" To 10" Diameter Air Gap For Backflow Preventer .....	587.16	52.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 11 19 00-0462 Brass Test Cocks</b> <small>(22 11 19 00-0465)</small>		
22 11 19 00-0463 EA 1/8" Or 1/4" Brass Test Cock.....	49.17	5.24
<b>22 11 19 00-0464 Backflow Valve Enclosures</b> <small>(22 11 19 00-0250)</small>		
<b>22 11 19 00-0465 Flip-Top, Insulated Fiberglass Valve Enclosures</b> <small>(22 11 19 00-0464)</small>		
<small>Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.</small>		
22 11 19 00-0466 EA 19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	1,198.28	94.22
<i>For Heated Enclosure, Add</i>	156.18	
22 11 19 00-0467 EA 27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	1,489.62	94.22
<i>For Heated Enclosure, Add</i>	199.89	
22 11 19 00-0468 EA 27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	1,912.95	86.78
<i>For Heated Enclosure, Add</i>	265.25	
22 11 19 00-0469 EA 33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	1,968.76	115.71
<i>For Heated Enclosure, Add</i>	266.39	
22 11 19 00-0470 EA 39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	2,067.56	115.71
<i>For Heated Enclosure, Add</i>	281.21	
22 11 19 00-0471 EA 47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	2,452.64	115.71
<i>For Heated Enclosure, Add</i>	338.97	
22 11 19 00-0472 EA 39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	2,462.78	115.71
<i>For Heated Enclosure, Add</i>	340.49	
22 11 19 00-0473 EA 47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	3,118.93	115.71
<i>For Heated Enclosure, Add</i>	438.91	
22 11 19 00-0474 EA 70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	7,253.60	173.55
<i>For Heated Enclosure, Add</i>	1,044.65	
22 11 19 00-0475 EA 83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	10,564.77	173.55
<i>For Heated Enclosure, Add</i>	1,541.33	
22 11 19 00-0476 EA 70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	10,032.75	173.55
<i>For Heated Enclosure, Add</i>	1,461.52	
22 11 19 00-0477 EA 83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	12,084.89	202.49
<i>For Heated Enclosure, Add</i>	1,762.11	
<b>22 11 19 00-0478 One-Piece Drop Over, Insulated Fiberglass Valve Enclosures</b> <small>(22 11 19 00-0464)</small>		
<small>Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.</small>		
22 11 19 00-0479 EA 20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	675.23	25.13
<i>For Heated Enclosure, Add</i>	126.67	
22 11 19 00-0480 EA 27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	943.77	25.13
<i>For Heated Enclosure, Add</i>	180.38	
22 11 19 00-0481 EA 38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	1,188.74	23.14
<i>For Heated Enclosure, Add</i>	230.03	
22 11 19 00-0482 EA 47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	1,801.82	23.14
<i>For Heated Enclosure, Add</i>	352.65	
22 11 19 00-0483 EA 70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	4,672.99	43.39
<i>For Heated Enclosure, Add</i>	920.13	
22 11 19 00-0484 EA 83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	6,388.11	43.39
<i>For Heated Enclosure, Add</i>	1,263.16	
22 11 19 00-0485 EA 45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	4,247.38	43.39
<i>For Heated Enclosure, Add</i>	835.01	
22 11 19 00-0486 EA 53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	4,809.80	43.39
<i>For Heated Enclosure, Add</i>	947.50	
22 11 19 00-0487 EA 61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	7,538.28	43.39
<i>For Heated Enclosure, Add</i>	1,493.19	
<b>22 11 19 00-0488 Sectional, Insulated Aluminum Valve Enclosures</b> <small>(22 11 19 00-0464)</small>		
<small>Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.</small>		
22 11 19 00-0489 EA 70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure.....	9,464.78	188.46
<i>For Heated Enclosure, Add</i>	1,372.60	
<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0490 EA 83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure.....	10,445.21	188.46
<i>For Heated Enclosure, Add</i>	1,519.67	
<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0491 EA 53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure.....	7,372.67	173.55
<i>For Heated Enclosure, Add</i>	1,062.51	
<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0492 EA 53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure.....	8,097.23	173.55
<i>For Heated Enclosure, Add</i>	1,171.20	
<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0493 EA 90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure.....	9,402.09	231.41
<i>For Heated Enclosure, Add</i>	1,352.46	
<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0494 EA 102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure.....	10,562.39	231.41
<i>For Heated Enclosure, Add</i>	1,526.51	
<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0495	EA		90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure .....	10,562.39	231.41
			<i>For Heated Enclosure, Add</i>	1,526.51	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0496	EA		102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure .....	11,687.22	231.41
			<i>For Heated Enclosure, Add</i>	1,695.23	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0497	EA		62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure .....	8,755.99	202.49
			<i>For Heated Enclosure, Add</i>	1,262.78	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0498	EA		62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure .....	10,255.85	231.41
			<i>For Heated Enclosure, Add</i>	1,480.53	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0499	EA		105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure .....	12,011.50	231.41
			<i>For Heated Enclosure, Add</i>	1,743.87	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0500	EA		125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure .....	13,190.84	245.87
			<i>For Heated Enclosure, Add</i>	1,917.16	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0501	EA		105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure .....	13,517.37	266.98
			<i>For Heated Enclosure, Add</i>	1,960.86	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0502	EA		125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure .....	14,992.64	282.68
			<i>For Heated Enclosure, Add</i>	2,178.23	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0503	EA		105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure .....	15,535.55	260.34
			<i>For Heated Enclosure, Add</i>	2,265.25	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0504	EA		72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure .....	11,251.48	231.41
			<i>For Heated Enclosure, Add</i>	1,629.87	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0505	EA		72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure .....	12,003.90	231.41
			<i>For Heated Enclosure, Add</i>	1,742.73	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0506	EA		72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure .....	13,593.66	245.87
			<i>For Heated Enclosure, Add</i>	1,977.58	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0507	EA		72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure .....	16,500.78	260.34
			<i>For Heated Enclosure, Add</i>	2,410.03	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0508	EA		118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure .....	14,375.25	115.71
			<i>For Heated Enclosure, Add</i>	2,091.20	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0509	EA		142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure .....	17,300.11	115.71
			<i>For Heated Enclosure, Add</i>	2,526.32	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0510	EA		118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure .....	16,719.96	173.55
			<i>For Heated Enclosure, Add</i>	2,439.29	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0511	EA		142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure .....	19,410.52	173.55
			<i>For Heated Enclosure, Add</i>	2,835.65	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0512	EA		142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure .....	17,904.36	173.55
			<i>For Heated Enclosure, Add</i>	2,613.34	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0513	EA		172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure .....	20,939.46	202.49
			<i>For Heated Enclosure, Add</i>	3,061.37	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0514	EA		142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure .....	20,987.68	173.55
			<i>For Heated Enclosure, Add</i>	3,061.37	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
22 11 19 00-0515	EA		172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure .....	24,924.68	173.55
			<i>For Heated Enclosure, Add</i>	3,644.69	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 11 19 00-0516</b> Lift-Off Lightweight Backflow Valve Enclosures With Recessed Locksheild <b>Brackets</b> <small>(22 11 19 00-0464)</small> Note: 1-1/2", 0.095" wall tubular steel framework with 1" x 1" x 1/8" angle iron, 1/2" #13 gauge diamond pattern rolled expanded metal, all welded construction. Excludes concrete pad.		
22 11 19 00-0517 EA 22" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures .....757.56	757.56	94.22
Note: BP-1		
22 11 19 00-0518 EA 30" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures ..... 840.27	840.27	115.71
Note: BP-2		
22 11 19 00-0519 EA 40" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures .....915.33	915.33	115.71
Note: BP-3		
22 11 19 00-0520 EA 46" Length x 10" Width x 30" Height, Backflow Preventer Caged Enclosures ..... 1,129.26	1,129.26	115.71
Note: BP-4		
<b>22 11 19 00-0521</b> Faucets (Hose Bibbs) <small>(22 11 19)</small>		
<b>22 11 19 00-0522</b> Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends <small>(22 11 19 00-0521)</small>		
22 11 19 00-0523 EA 1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends .....56.80	56.80	10.47
22 11 19 00-0524 EA 3/4", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends ..... 65.60	65.60	11.52
22 11 19 00-0525 EA 3/4" Screwed Ends Vacuum Breaker (Mueller 108-904NL) ..... 17.67	17.67	7.85
<b>22 11 19 00-0526</b> Chrome Plated Brass Hose Valves, Screwed Ends <small>(22 11 19 00-0521)</small>		
22 11 19 00-0527 EA 3/4" Hose Valve With Screwed Ends (Chicago Faucets #387-CP)..... 208.18	208.18	32.04
<b>22 11 19 00-0528</b> Antisiphon Freezeless Wall Faucet (Woodford 19CP) <small>(22 11 19 00-0521)</small>		
22 11 19 00-0529 EA 4" Long, 1/2" Antisiphon Freezeless Wall Faucet ..... 127.04	127.04	26.18
22 11 19 00-0530 EA 6" Long, 1/2" Antisiphon Freezeless Wall Faucet ..... 137.62	137.62	29.00
22 11 19 00-0531 EA 8" Long, 1/2" Antisiphon Freezeless Wall Faucet ..... 145.56	145.56	30.67
22 11 19 00-0532 EA 10" Long, 1/2" Antisiphon Freezeless Wall Faucet ..... 153.50	153.50	32.88
22 11 19 00-0533 EA 12" Long, 1/2" Antisiphon Freezeless Wall Faucet ..... 161.56	161.56	34.86
<b>22 11 19 00-0534</b> Keyed, Recessed Valve Boxes <small>(22 11 19)</small>		
22 11 19 00-0535 EA 8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box .....294.46	294.46	31.22
22 11 19 00-0536 EA 8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box .....327.60	327.60	31.22
22 11 19 00-0537 EA 8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box ..... 377.32	377.32	31.22
22 11 19 00-0538 EA 12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box ..... 364.98	364.98	41.63
22 11 19 00-0539 EA 12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box .....414.70	414.70	41.63
22 11 19 00-0540 EA 12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box .....429.62	429.62	41.63
22 11 19 00-0541 EA 8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box..... 347.49	347.49	31.22
22 11 19 00-0542 EA 8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box.....420.41	420.41	31.22
22 11 19 00-0543 EA 8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box.....485.04	485.04	31.22
22 11 19 00-0544 EA 12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box.....457.79	457.79	41.63
22 11 19 00-0545 EA 12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box.....522.43	522.43	41.63
22 11 19 00-0546 EA 12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box.....547.29	547.29	41.63
<b>22 11 23</b> Domestic Water Pumps <small>(22 11)</small>		
<b>22 11 23 13</b> Domestic Water Packaged Booster Pumps <small>(22 11 23)</small> Note: Includes motor starter and controls.		
<b>22 11 23 13-0001</b> Simplex Domestic Water Packaged Booster Pumps And Tank <small>(22 11 23 13)</small>		
22 11 23 13-0002 EA 1 HP Simplex Domestic Water Packaged Booster Pump And Tank..... 11,727.16	11,727.16	308.55
22 11 23 13-0003 EA 1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank..... 12,159.59	12,159.59	414.62
22 11 23 13-0004 EA 2 HP Simplex Domestic Water Packaged Booster Pump And Tank ..... 12,675.64	12,675.64	520.67
22 11 23 13-0005 EA 3 HP Simplex Domestic Water Packaged Booster Pump And Tank ..... 13,149.87	13,149.87	626.74
22 11 23 13-0006 EA 5 HP Simplex Domestic Water Packaged Booster Pump And Tank ..... 14,544.07	14,544.07	732.80
22 11 23 13-0007 EA 7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank ..... 16,147.35	16,147.35	838.87
22 11 23 13-0008 EA 10 HP Simplex Domestic Water Packaged Booster Pump And Tank ..... 17,248.82	17,248.82	944.93
<b>22 11 23 13-0009</b> Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator <small>(22 11 23 13)</small>		
22 11 23 13-0010 EA 100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator ..... 31,440.40	31,440.40	1,251.96
22 11 23 13-0011 EA 200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator ..... 37,927.23	37,927.23	1,330.22
22 11 23 13-0012 EA 300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator ..... 44,440.73	44,440.73	1,408.46
<b>22 11 23 13-0013</b> Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator <small>(22 11 23 13)</small>		
22 11 23 13-0014 EA 200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator..... 41,492.05	41,492.05	1,330.22
22 11 23 13-0015 EA 300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....51,741.28	51,741.28	1,408.46
22 11 23 13-0016 EA 500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator..... 64,372.06	64,372.06	1,564.95
22 11 23 13-0017 EA 750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator..... 81,637.63	81,637.63	1,721.46
22 11 23 13-0018 EA 1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator..... 98,903.18	98,903.18	1,877.95
22 11 23 13-0019 EA 1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator..... 115,244.75	115,244.75	2,112.69
22 11 23 13-0020 EA 2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator..... 131,586.30	131,586.30	2,347.44
22 11 23 13-0021 EA 3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator..... 147,927.87	147,927.87	2,582.18



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0022	EA		5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	164,465.05	2,895.17
<b>22 11 23 13-0023</b>			<b>Variable Speed Duplex Domestic Water Pressure Booster Skid</b> <small>(22 11 23 13)</small> Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		
22 11 23 13-0024	EA		40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1).....	39,961.85	1,408.04
22 11 23 13-0025	EA		40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2).....	41,832.58	1,408.04
22 11 23 13-0026	EA		80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3).....	44,505.64	1,408.04
22 11 23 13-0027	EA		80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4).....	48,358.83	1,408.04
22 11 23 13-0028	EA		160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5).....	45,544.23	1,496.04
22 11 23 13-0029	EA		160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6).....	48,907.89	1,496.04
22 11 23 13-0030	EA		160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7).....	53,476.06	1,496.04
22 11 23 13-0031	EA		160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8).....	57,189.10	1,496.04
22 11 23 13-0032	EA		240 To 280 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9).....	49,796.16	1,584.04
22 11 23 13-0033	EA		280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10).....	53,117.17	1,584.04
22 11 23 13-0034	EA		240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11).....	60,543.24	1,584.04
22 11 23 13-0035	EA		240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12).....	73,006.68	1,584.04
22 11 23 13-0036	EA		360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13).....	52,650.00	1,584.04
22 11 23 13-0037	EA		360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14).....	59,424.05	1,584.04
22 11 23 13-0038	EA		360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15).....	74,335.09	1,584.04
22 11 23 13-0039	EA		360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16).....	73,904.47	1,584.04
22 11 23 13-0040	EA		440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17).....	88,225.70	1,760.05
22 11 23 13-0041	EA		440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18).....	60,296.70	1,760.05
22 11 23 13-0042	EA		440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19).....	73,875.27	1,760.05
22 11 23 13-0043	EA		440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20).....	73,446.69	1,760.05
22 11 23 13-0044	EA		440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21).....	88,891.94	1,760.05
22 11 23 13-0045	EA		440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22).....	107,784.13	1,760.05
22 11 23 13-0046	EA		60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1).....	50,751.58	1,408.04
<b>22 11 23 13-0047</b>			<b>Variable Speed Triplex Domestic Water Pressure Booster Skid</b> <small>(22 11 23 13)</small> Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		
22 11 23 13-0048	EA		60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2).....	50,751.58	1,408.04
22 11 23 13-0049	EA		120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3).....	56,881.75	1,408.04
22 11 23 13-0050	EA		60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4).....	62,170.99	1,408.04
22 11 23 13-0051	EA		180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5).....	57,101.76	1,496.04
22 11 23 13-0052	EA		180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6).....	62,354.44	1,496.04
22 11 23 13-0053	EA		240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7).....	58,328.60	1,496.04
22 11 23 13-0054	EA		240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8).....	62,843.96	1,496.04
22 11 23 13-0055	EA		240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9).....	69,053.34	1,496.04
22 11 23 13-0056	EA		240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10).....	74,200.40	1,496.04
22 11 23 13-0057	EA		300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11).....	58,845.16	1,584.04
22 11 23 13-0058	EA		300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12).....	63,360.51	1,584.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0059 EA 300 GPM At80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13).....	69,567.86	1,584.04
22 11 23 13-0060 EA 300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14).....	74,714.92	1,584.04
22 11 23 13-0061 EA 360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15).....	63,923.16	1,584.04
22 11 23 13-0062 EA 360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16).....	68,259.77	1,584.04
22 11 23 13-0063 EA 360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17).....	78,974.35	1,584.04
22 11 23 13-0064 EA 360 GPM At140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18).....	96,458.92	1,584.04
22 11 23 13-0065 EA 480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19).....	65,248.77	1,760.05
22 11 23 13-0066 EA 480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20).....	69,587.41	1,760.05
22 11 23 13-0067 EA 480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21).....	80,301.99	1,760.05
22 11 23 13-0068 EA 480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22).....	97,784.53	1,760.05
22 11 23 13-0069 EA 540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23).....	68,884.62	1,760.05
22 11 23 13-0070 EA 540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24).....	78,622.19	1,760.05
22 11 23 13-0071 EA 540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25).....	99,775.11	1,760.05
22 11 23 13-0072 EA 540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26).....	101,824.59	1,760.05
22 11 23 13-0073 EA 540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27).....	126,379.76	1,760.05
22 11 23 13-0074 EA 660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28).....	78,001.16	2,112.05
22 11 23 13-0075 EA 660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29).....	94,049.67	2,112.05
22 11 23 13-0076 EA 660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30).....	100,135.15	2,112.05
22 11 23 13-0077 EA 660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31).....	121,009.79	2,112.05
22 11 23 13-0078 EA 660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32).....	150,220.48	2,112.05

**22 11 23 23 Domestic-Water In-Line Pumps (22 11 23)**

**22 11 23 23-0001**

**Bronze In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)**

Note: ODP motor.

22 11 23 23-0002 EA 1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B).....	1,109.30	173.55
22 11 23 23-0003 EA 1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B).....	1,141.38	173.55
22 11 23 23-0004 EA 1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B).....	1,196.99	176.93
22 11 23 23-0005 EA 1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B).....	1,324.93	184.16
22 11 23 23-0006 EA 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B).....	2,449.31	191.03
22 11 23 23-0007 EA 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB).....	2,619.56	191.03
22 11 23 23-0008 EA 1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB).....	3,955.32	210.33
22 11 23 23-0009 EA 1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB).....	4,118.35	231.07
22 11 23 23-0010 EA 1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB).....	4,999.74	254.22
22 11 23 23-0011 EA 1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S).....	5,099.44	279.79
22 11 23 23-0012 EA 3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S).....	5,576.03	307.29
22 11 23 23-0013 EA 1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S).....	8,045.51	338.16
22 11 23 23-0014 EA 1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S).....	9,286.67	354.56

**22 11 23 23-0015**

**Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)**

Note: ODP motor.

22 11 23 23-0016 EA 1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30).....	1,159.20	173.55
22 11 23 23-0017 EA 1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36).....	2,001.89	173.55
22 11 23 23-0018 EA 1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	2,008.86	176.93
22 11 23 23-0019 EA 1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	2,043.20	180.79
22 11 23 23-0020 EA 1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50).....	2,049.93	184.16
22 11 23 23-0021 EA 1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75).....	2,086.81	191.03
22 11 23 23-0022 EA 1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2).....	2,563.23	210.33
22 11 23 23-0023 EA 1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30).....	3,316.22	254.22
22 11 23 23-0024 EA 1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S).....	3,487.43	279.79
22 11 23 23-0025 EA 3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S).....	4,081.24	307.29
22 11 23 23-0026 EA 1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S).....	5,549.12	338.16
22 11 23 23-0027 EA 1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S).....	6,509.43	354.56
22 11 23 23-0028 EA 2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	5,814.82	372.41
22 11 23 23-0029 EA 3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	6,245.83	409.36
22 11 23 23-0030 EA 5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	6,861.82	434.15
22 11 23 23-0031 EA 7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	8,740.62	482.39
22 11 23 23-0032 EA 10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	9,234.88	578.97
22 11 23 23-0033 EA 15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	11,813.99	675.64



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

## 22 12 Facility Potable-Water Storage Tanks <sup>(22 10)</sup>

### 22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks <sup>(22 12)</sup>

#### 22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks <sup>(22 12 19)</sup>

22 12 19 00-0002	EA	5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	38,040.39	9,000.75
22 12 19 00-0003	EA	10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	43,144.64	9,000.75
22 12 19 00-0004	EA	20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	77,688.26	13,890.06
22 12 19 00-0005	EA	35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	100,278.68	18,001.50

#### 22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks <sup>(22 12 19)</sup>

22 12 19 00-0007	EA	5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	45,602.24	9,000.75
22 12 19 00-0008	EA	10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	63,372.57	9,000.75
22 12 19 00-0009	EA	20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	94,482.53	13,890.06
22 12 19 00-0010	EA	35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	135,871.38	18,001.50

### 22 12 23 Facility Indoor Potable-Water Storage Tanks <sup>(22 12)</sup>

#### 22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks <sup>(22 12 23)</sup>

##### 22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) <sup>(22 12 23 13)</sup>

22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A).....	2,527.07	385.68
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M).....	3,129.15	482.10
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A).....	5,903.72	530.31
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A).....	6,531.69	578.53
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A).....	13,160.99	626.74
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A).....	11,292.27	674.95
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A).....	19,539.59	723.16
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A).....	17,968.94	771.37
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A).....	19,527.14	819.58
22 12 23 13-0011	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A).....	23,305.13	867.79

##### 22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) <sup>(22 12 23 13)</sup>

22 12 23 13-0013	EA	80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S).....	2,142.73	385.68
22 12 23 13-0014	EA	120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S).....	4,211.66	482.10
22 12 23 13-0015	EA	140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A).....	5,292.47	530.31
22 12 23 13-0016	EA	200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S).....	6,569.52	578.53
22 12 23 13-0017	EA	200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A).....	5,548.29	578.53
22 12 23 13-0018	EA	250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A).....	8,676.31	626.74
22 12 23 13-0019	EA	325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A).....	9,391.31	674.95
22 12 23 13-0020	EA	350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S).....	8,927.38	674.95
22 12 23 13-0021	EA	350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A).....	8,124.85	674.95
22 12 23 13-0022	EA	400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A).....	11,188.81	723.16
22 12 23 13-0023	EA	500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A).....	12,142.45	771.37
22 12 23 13-0024	EA	750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A).....	14,124.45	819.58
22 12 23 13-0025	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A).....	26,741.45	867.79

#### 22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks <sup>(22 12 23)</sup>

##### 22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks <sup>(22 12 23 26)</sup>

Note: Excludes excavation and backfill.

22 12 23 26-0002	EA	100 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	678.08	216.95
		<i>For Saddle Assembly, Add</i>	762.21	
22 12 23 26-0003	EA	150 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	794.51	253.11
		<i>For Saddle Assembly, Add</i>	762.21	
22 12 23 26-0004	EA	200 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	945.04	289.26
		<i>For Saddle Assembly, Add</i>	878.18	
22 12 23 26-0005	EA	300 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,156.97	325.42
		<i>For Saddle Assembly, Add</i>	1,330.69	
22 12 23 26-0006	EA	335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,393.92	361.58
		<i>For Two Tie Down Bands, Add</i>	433.83	
22 12 23 26-0007	EA	535 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,801.26	496.69
		<i>For Two Tie Down Bands, Add</i>	465.66	
22 12 23 26-0008	EA	1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	2,724.05	579.47
		<i>For Three Tie Down Bands, Add</i>	800.82	
22 12 23 26-0009	EA	1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	3,964.14	662.25
		<i>For Three Tie Down Bands, Add</i>	807.65	
22 12 23 26-0010	EA	1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	4,963.61	745.03
		<i>For Four Tie Down Bands, Add</i>	1,095.05	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 26-0011 EA 2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Four Tie Down Bands, Add</i>	5,823.16 1,558.93	827.81
22 12 23 26-0012 EA 2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Four Tie Down Bands, Add</i>	8,376.96 2,068.29	910.59
22 12 23 26-0013 EA 3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Four Tie Down Bands, Add</i>	9,715.25 2,241.11	993.37
22 12 23 26-0014 EA 4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Four Tie Down Bands, Add</i>	13,974.87 2,541.27	1,324.51
22 12 23 26-0015 EA 5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Five Tie Down Bands, Add</i>	18,154.13 4,006.56	1,324.51

**22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks** (22 12 23 26)

22 12 23 26-0017 EA 100 Gallon Vertical Non-Pressurized Polyethylene Tank .....	729.02	289.26
22 12 23 26-0018 EA 160 Gallon Vertical Non-Pressurized Polyethylene Tank .....	887.29	307.35
22 12 23 26-0019 EA 210 Gallon Vertical Non-Pressurized Polyethylene Tank .....	977.33	325.42
22 12 23 26-0020 EA 300 Gallon Vertical Non-Pressurized Polyethylene Tank .....	1,191.54	361.58
22 12 23 26-0021 EA 405 Gallon Vertical Non-Pressurized Polyethylene Tank .....	1,353.91	433.89
22 12 23 26-0022 EA 500 Gallon Vertical Non-Pressurized Polyethylene Tank .....	1,600.41	506.21
22 12 23 26-0023 EA 800 Gallon Vertical Non-Pressurized Polyethylene Tank .....	2,256.42	662.25
22 12 23 26-0024 EA 1,000 Gallon Vertical Non-Pressurized Polyethylene Tank .....	2,927.42	827.81
22 12 23 26-0025 EA 2,000 Gallon Vertical Non-Pressurized Polyethylene Tank .....	3,957.69	993.37
22 12 23 26-0026 EA 3,000 Gallon Vertical Non-Pressurized Polyethylene Tank .....	5,201.69	1,158.94
22 12 23 26-0027 EA 4,000 Gallon Vertical Non-Pressurized Polyethylene Tank .....	7,725.93	1,324.51
22 12 23 26-0028 EA 5,000 Gallon Vertical Non-Pressurized Polyethylene Tank .....	10,518.49	1,490.07
22 12 23 26-0029 EA 6,250 Gallon Vertical Non-Pressurized Polyethylene Tank .....	11,930.77	1,655.63
22 12 23 26-0030 EA 7,000 Gallon Vertical Non-Pressurized Polyethylene Tank .....	13,147.50	1,821.20
22 12 23 26-0031 EA 8,000 Gallon Vertical Non-Pressurized Polyethylene Tank .....	15,169.19	1,986.76
22 12 23 26-0032 EA 9,150 Gallon Vertical Non-Pressurized Polyethylene Tank .....	17,152.23	2,152.32
22 12 23 26-0033 EA 10,500 Gallon Vertical Non-Pressurized Polyethylene Tank .....	21,295.49	2,317.88
22 12 23 26-0034 EA 12,500 Gallon Vertical Non-Pressurized Polyethylene Tank .....	25,648.13	2,649.01

**22 13 Facility Sanitary Sewerage** (22 10)

**22 13 13 Facility Sanitary Sewers** (22 13)

**22 13 13 00-0001 Fixture Rough-In** (22 13 13)

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible.

**22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe** (22 13 13 00-0001)

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003 EA Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,204.17	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0004 EA Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,714.68	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0005 EA Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,075.15	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0006 EA Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	719.33	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0007 EA Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	849.80	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0008 EA Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,054.06	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0009 EA Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,146.43	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0010 EA Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	688.44	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0011 EA Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,075.15	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0012 EA Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,089.43	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0013 EA Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,041.21	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0014 EA Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,204.17	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0015 EA Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,898.55	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0016 EA Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,170.57	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 13 13 00-0017	<b>Double Fixture Rough-In, Cast Iron Waste And Vent Pipe</b> <small>(22 13 13 00-0001)</small>	
	Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.	
22 13 13 00-0018	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....1,610.05 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.
22 13 13 00-0019	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....2,297.63 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.
22 13 13 00-0020	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....1,386.36 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.
22 13 13 00-0021	EA	Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....885.29 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.
22 13 13 00-0022	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....1,146.42 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.
22 13 13 00-0023	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....1,222.00 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.
22 13 13 00-0024	EA	Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....827.44 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.
22 13 13 00-0025	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....1,395.98 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.
22 13 13 00-0026	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....1,161.73 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.
22 13 13 00-0027	EA	Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....1,137.66 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.
22 13 13 00-0028	EA	Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....1,610.05 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.
22 13 13 00-0029	<b>Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe</b> <small>(22 13 13 00-0001)</small>	
	Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.	
22 13 13 00-0030	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....804.57 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.
22 13 13 00-0031	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....1,148.81 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.
22 13 13 00-0032	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....693.65 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.
22 13 13 00-0033	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....443.13 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.
22 13 13 00-0034	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....573.23 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.
22 13 13 00-0035	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....610.98 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.
22 13 13 00-0036	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....437.82 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.
22 13 13 00-0037	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....697.51 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.
22 13 13 00-0038	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....580.86 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.
22 13 13 00-0039	EA	Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....569.29 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.
22 13 13 00-0040	EA	Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....797.80 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.
22 13 13 00-0041	<b>Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe</b> <small>(22 13 13 00-0001)</small>	
	Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.	
22 13 13 00-0042	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet.....538.87 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.
22 13 13 00-0043	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet.....595.00 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.
22 13 13 00-0044	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet.....511.57 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.
22 13 13 00-0045	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal.....308.47 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.
22 13 13 00-0046	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory.....361.56 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.
22 13 13 00-0047	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink.....491.12 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.
22 13 13 00-0048	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub.....497.77 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0049 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler.....	305.18	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0050 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink.....	511.57	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0051 EA Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	543.44	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0052 EA Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	501.16	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0053 EA Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	538.75	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0054 EA Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	832.18	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0055 EA Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	518.86	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
<b>22 13 13 00-0056</b>	<b>Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe <sup>(22 13 00-0001)</sup></b>	
Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057 EA Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	656.25	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0058 EA Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	778.81	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0059 EA Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	570.59	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.		
22 13 13 00-0060 EA Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	343.43	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0061 EA Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	504.07	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.		
22 13 13 00-0062 EA Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	526.50	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.		
22 13 13 00-0063 EA Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	334.46	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.		
22 13 13 00-0064 EA Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	579.16	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0065 EA Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	558.67	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0066 EA Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	537.15	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0067 EA Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	656.25	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
<b>22 13 13 00-0068</b>	<b>Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe <sup>(22 13 00-0001)</sup></b>	
Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069 EA Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	327.74	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0070 EA Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	388.94	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0071 EA Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	285.57	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0072 EA Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	171.76	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0073 EA Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	252.01	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0074 EA Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	263.01	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0075 EA Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	167.21	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0076 EA Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	289.49	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0077 EA Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	279.37	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0078 EA Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....	268.99	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0079 EA Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....	321.35	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
<b>22 13 16 Sanitary Waste and Vent Piping (22 13)</b>		
<b>22 13 16 00-0001 Cast Iron Soil Pipe Assemblies (22 13 16)</b>		
<b>22 13 16 00-0002 Underground Bell And Spigot Cast Iron Soil Pipe Assemblies (22 13 16 00-0001)</b>		
Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.		
22 13 16 00-0003 LF 2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....	38.91	6.08
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
For Work In Restricted Working Space, Add	4.46	
22 13 16 00-0004 LF 3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....	56.17	9.16
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
For Work In Restricted Working Space, Add	6.05	
22 13 16 00-0005 LF 4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....	72.99	11.66
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
For Work In Restricted Working Space, Add	7.77	
22 13 16 00-0006 LF 5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....	87.51	14.30
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
For Work In Restricted Working Space, Add	8.05	
22 13 16 00-0007 LF 6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....	103.68	15.58
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
For Work In Restricted Working Space, Add	8.93	
22 13 16 00-0008 LF 8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....	167.44	22.18
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
For Work In Restricted Working Space, Add	12.56	
22 13 16 00-0009 LF 10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....	253.37	22.18
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
For Work In Restricted Working Space, Add	14.22	
<b>22 13 16 00-0010 Aboveground No Hub Cast Iron Soil Pipe Assemblies (22 13 16 00-0001)</b>		
Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011 LF 1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly .....	30.20	5.79
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Work In Restricted Working Space, Add	5.08	
22 13 16 00-0012 LF 2" Aboveground No Hub Cast Iron Soil Pipe Assembly .....	31.97	6.17
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Work In Restricted Working Space, Add	5.46	
22 13 16 00-0013 LF 3" Aboveground No Hub Cast Iron Soil Pipe Assembly .....	40.98	8.96
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Work In Restricted Working Space, Add	6.69	
22 13 16 00-0014 LF 4" Aboveground No Hub Cast Iron Soil Pipe Assembly .....	49.24	11.66
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Work In Restricted Working Space, Add	8.00	
22 13 16 00-0015 LF 5" Aboveground No Hub Cast Iron Soil Pipe Assembly .....	66.00	14.02
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Work In Restricted Working Space, Add	9.52	
22 13 16 00-0016 LF 6" Aboveground No Hub Cast Iron Soil Pipe Assembly .....	75.07	15.31
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Work In Restricted Working Space, Add	10.37	
22 13 16 00-0017 LF 8" Aboveground No Hub Cast Iron Soil Pipe Assembly .....	118.81	22.00
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Work In Restricted Working Space, Add	14.32	
22 13 16 00-0018 LF 10" Aboveground No Hub Cast Iron Soil Pipe Assembly .....	169.73	24.99
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.		
For Work In Restricted Working Space, Add	16.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 13 16 00-0019</b> Bell And Spigot Cast Iron Soil Pipe And Fittings <small>(22 13 16)</small> Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
<b>22 13 16 00-0020</b> Bell And Spigot Cast Iron Pipe <small>(22 13 16 00-0019)</small> Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021 LF 2" Bell And Spigot Cast Iron Pipe ..... For Extra Heavy Pipe, Add ..... For Above Ground Cast Iron Pipe Installation, Add ..... For Work In Restricted Working Space, Add .....	28.44 8.09 0.46 2.75	6.08
22 13 16 00-0022 LF 3" Bell And Spigot Cast Iron Pipe ..... For Extra Heavy Pipe, Add ..... For Above Ground Cast Iron Pipe Installation, Add ..... For Work In Restricted Working Space, Add .....	41.37 11.59 0.69 4.13	9.16
22 13 16 00-0023 LF 4" Bell And Spigot Cast Iron Pipe ..... For Extra Heavy Pipe, Add ..... For Above Ground Cast Iron Pipe Installation, Add ..... For Work In Restricted Working Space, Add .....	53.42 15.07 0.88 5.26	11.66
22 13 16 00-0024 LF 5" Bell And Spigot Cast Iron Pipe ..... For Extra Heavy Pipe, Add ..... For Above Ground Cast Iron Pipe Installation, Add ..... For Work In Restricted Working Space, Add .....	72.04 21.27 1.07 6.42	14.30
22 13 16 00-0025 LF 6" Bell And Spigot Cast Iron Pipe ..... For Extra Heavy Pipe, Add ..... For Above Ground Cast Iron Pipe Installation, Add ..... For Work In Restricted Working Space, Add .....	85.01 25.91 1.17 7.00	15.58
22 13 16 00-0026 LF 8" Bell And Spigot Cast Iron Pipe ..... For Extra Heavy Pipe, Add ..... For Above Ground Cast Iron Pipe Installation, Add ..... For Work In Restricted Working Space, Add .....	129.21 40.29 1.66 9.98	22.18
22 13 16 00-0027 LF 10" Bell And Spigot Cast Iron Pipe ..... For Extra Heavy Pipe, Add ..... For Above Ground Cast Iron Pipe Installation, Add ..... For Work In Restricted Working Space, Add .....	197.15 67.08 1.87 11.23	24.99
22 13 16 00-0028 LF 12" Bell And Spigot Cast Iron Pipe ..... For Extra Heavy Pipe, Add ..... For Above Ground Cast Iron Pipe Installation, Add ..... For Work In Restricted Working Space, Add .....	281.92 97.44 2.50 14.97	33.32
22 13 16 00-0029 LF 15" Bell And Spigot Cast Iron Pipe ..... For Extra Heavy Pipe, Add ..... For Above Ground Cast Iron Pipe Installation, Add ..... For Work In Restricted Working Space, Add .....	399.00 142.42 3.00 17.97	39.96
<b>22 13 16 00-0030</b> Bell And Spigot Cast Iron Fittings <small>(22 13 16 00-0019)</small>		
<b>22 13 16 00-0031</b> Bell And Spigot Cast Iron Long Sweeps <small>(22 13 16 00-0030)</small>		
22 13 16 00-0032 EA 2" Bell And Spigot Cast Iron Long Sweep..... For Extra Heavy Fittings, Add ..... For Above Ground Cast Iron Pipe Installation, Add ..... For Work In Restricted Working Space, Add .....	102.92 21.51 2.07 12.44	27.67
22 13 16 00-0033 EA 3" Bell And Spigot Cast Iron Long Sweep..... For Extra Heavy Fittings, Add ..... For Above Ground Cast Iron Pipe Installation, Add ..... For Work In Restricted Working Space, Add .....	176.79 43.63 2.61 15.64	34.81
22 13 16 00-0034 EA 4" Bell And Spigot Cast Iron Long Sweep..... For Extra Heavy Fittings, Add ..... For Above Ground Cast Iron Pipe Installation, Add ..... For Work In Restricted Working Space, Add .....	235.54 58.16 3.47 20.81	46.28
22 13 16 00-0035 EA 6" Bell And Spigot Cast Iron Long Sweep..... For Extra Heavy Fittings, Add ..... For Above Ground Cast Iron Pipe Installation, Add ..... For Work In Restricted Working Space, Add .....	370.45 97.93 4.53 27.20	60.48
22 13 16 00-0036 EA 8" Bell And Spigot Cast Iron Long Sweep..... For Extra Heavy Fittings, Add ..... For Above Ground Cast Iron Pipe Installation, Add ..... For Work In Restricted Working Space, Add .....	741.02 218.41 5.85 35.10	78.06
22 13 16 00-0037 EA 10" Bell And Spigot Cast Iron Long Sweep..... For Extra Heavy Fittings, Add ..... For Above Ground Cast Iron Pipe Installation, Add ..... For Work In Restricted Working Space, Add .....	1,015.59 305.06 7.20 43.20	96.03
22 13 16 00-0038 EA 12" Bell And Spigot Cast Iron Long Sweep..... For Extra Heavy Fittings, Add ..... For Above Ground Cast Iron Pipe Installation, Add ..... For Work In Restricted Working Space, Add .....	1,559.85 475.61 10.05 60.29	134.03
22 13 16 00-0039 EA 15" Bell And Spigot Cast Iron Long Sweep..... For Extra Heavy Fittings, Add ..... For Above Ground Cast Iron Pipe Installation, Add ..... For Work In Restricted Working Space, Add .....	2,908.04 919.88 13.99 83.95	186.64
<b>22 13 16 00-0040</b> Bell And Spigot Cast Iron Short Sweeps <small>(22 13 16 00-0030)</small>		
22 13 16 00-0041 EA 2" Bell And Spigot Cast Iron Short Sweep..... For Extra Heavy Fittings, Add ..... For Above Ground Cast Iron Pipe Installation, Add ..... For Work In Restricted Working Space, Add .....	86.69 15.83 2.07 12.44	27.67



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0042	EA		3" Bell And Spigot Cast Iron Short Sweep .....	149.57	34.81
			<i>For Extra Heavy Fittings, Add</i>	34.11	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.61	
			<i>For Work In Restricted Working Space, Add</i>	15.64	
22 13 16 00-0043	EA		4" Bell And Spigot Cast Iron Short Sweep .....	204.93	46.28
			<i>For Extra Heavy Fittings, Add</i>	47.45	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.47	
			<i>For Work In Restricted Working Space, Add</i>	20.81	
22 13 16 00-0044	EA		5" Bell And Spigot Cast Iron Short Sweep .....	311.46	51.41
			<i>For Extra Heavy Fittings, Add</i>	82.04	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.85	
			<i>For Work In Restricted Working Space, Add</i>	23.12	
22 13 16 00-0045	EA		6" Bell And Spigot Cast Iron Short Sweep .....	376.28	60.48
			<i>For Extra Heavy Fittings, Add</i>	99.97	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.53	
			<i>For Work In Restricted Working Space, Add</i>	27.20	
22 13 16 00-0046	EA		8" Bell And Spigot Cast Iron Short Sweep .....	623.68	78.06
			<i>For Extra Heavy Fittings, Add</i>	177.34	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.85	
			<i>For Work In Restricted Working Space, Add</i>	35.10	
22 13 16 00-0047	EA		10" Bell And Spigot Cast Iron Short Sweep .....	915.48	96.03
			<i>For Extra Heavy Fittings, Add</i>	270.02	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.20	
			<i>For Work In Restricted Working Space, Add</i>	43.20	
22 13 16 00-0048	EA		12" Bell And Spigot Cast Iron Short Sweep .....	1,522.52	134.03
			<i>For Extra Heavy Fittings, Add</i>	462.55	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.05	
			<i>For Work In Restricted Working Space, Add</i>	60.29	
<b>22 13 16 00-0049</b>			<b>Bell And Spigot Cast Iron 1/4 Bends</b> (22 13 16 00-0030)		
22 13 16 00-0050	EA		2" Bell And Spigot Cast Iron 1/4 Bend .....	77.50	27.57
			<i>For Extra Heavy Fittings, Add</i>	12.64	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.07	
			<i>For Work In Restricted Working Space, Add</i>	12.42	
22 13 16 00-0051	EA		3" Bell And Spigot Cast Iron 1/4 Bend .....	118.75	31.05
			<i>For Extra Heavy Fittings, Add</i>	25.26	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.33	
			<i>For Work In Restricted Working Space, Add</i>	13.97	
22 13 16 00-0052	EA		4" Bell And Spigot Cast Iron 1/4 Bend .....	170.34	41.36
			<i>For Extra Heavy Fittings, Add</i>	37.92	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.10	
			<i>For Work In Restricted Working Space, Add</i>	18.60	
22 13 16 00-0053	EA		5" Bell And Spigot Cast Iron 1/4 Bend .....	214.30	45.92
			<i>For Extra Heavy Fittings, Add</i>	50.93	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.44	
			<i>For Work In Restricted Working Space, Add</i>	20.64	
22 13 16 00-0054	EA		6" Bell And Spigot Cast Iron 1/4 Bend .....	257.80	54.99
			<i>For Extra Heavy Fittings, Add</i>	61.35	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.13	
			<i>For Work In Restricted Working Space, Add</i>	24.75	
22 13 16 00-0055	EA		8" Bell And Spigot Cast Iron 1/4 Bend .....	542.70	71.88
			<i>For Extra Heavy Fittings, Add</i>	152.24	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.39	
			<i>For Work In Restricted Working Space, Add</i>	32.32	
22 13 16 00-0056	EA		10" Bell And Spigot Cast Iron 1/4 Bend .....	803.74	87.23
			<i>For Extra Heavy Fittings, Add</i>	235.54	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.54	
			<i>For Work In Restricted Working Space, Add</i>	39.23	
22 13 16 00-0057	EA		12" Bell And Spigot Cast Iron 1/4 Bend .....	1,061.82	102.96
			<i>For Extra Heavy Fittings, Add</i>	317.60	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.72	
			<i>For Work In Restricted Working Space, Add</i>	46.32	
22 13 16 00-0058	EA		15" Bell And Spigot Cast Iron 1/4 Bend .....	2,731.54	162.40
			<i>For Extra Heavy Fittings, Add</i>	870.84	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.17	
			<i>For Work In Restricted Working Space, Add</i>	73.03	
<b>22 13 16 00-0059</b>			<b>Bell And Spigot Cast Iron 1/8 Bends</b> (22 13 16 00-0030)		
22 13 16 00-0060	EA		2" Bell And Spigot Cast Iron 1/8 Bend .....	70.30	27.67
			<i>For Extra Heavy Fittings, Add</i>	10.09	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.07	
			<i>For Work In Restricted Working Space, Add</i>	12.44	
22 13 16 00-0061	EA		3" Bell And Spigot Cast Iron 1/8 Bend .....	111.62	34.81
			<i>For Extra Heavy Fittings, Add</i>	20.83	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.61	
			<i>For Work In Restricted Working Space, Add</i>	15.64	
22 13 16 00-0062	EA		4" Bell And Spigot Cast Iron 1/8 Bend .....	159.65	46.28
			<i>For Extra Heavy Fittings, Add</i>	31.60	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.47	
			<i>For Work In Restricted Working Space, Add</i>	20.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0063 EA 5" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	199.95 39.84 4.31 25.83	57.47
22 13 16 00-0064 EA 6" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	231.66 47.45 4.81 28.83	64.07
22 13 16 00-0065 EA 8" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	468.29 118.71 6.46 38.73	86.11
22 13 16 00-0066 EA 10" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	657.51 174.37 7.97 47.80	106.24
22 13 16 00-0067 EA 12" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,068.55 301.71 10.33 61.95	137.77
22 13 16 00-0068 EA 15" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,066.01 637.90 12.17 73.03	162.40
<b>22 13 16 00-0069 Bell And Spigot Cast Iron Wyes (22 13 16 00-0030)</b>		
22 13 16 00-0070 EA 2" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	120.45 9.71 4.64 27.81	61.81
22 13 16 00-0071 EA 3" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	153.45 18.19 5.07 30.45	67.69
22 13 16 00-0072 EA 4" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	202.11 24.20 6.65 39.89	88.71
22 13 16 00-0073 EA 5" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	263.52 40.33 7.42 44.49	98.89
22 13 16 00-0074 EA 6" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	331.88 54.64 8.79 52.73	117.22
22 13 16 00-0075 EA 8" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	618.58 133.98 11.79 70.73	157.24
22 13 16 00-0076 EA 10" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	875.02 212.66 13.37 80.23	178.40
22 13 16 00-0077 EA 12" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,303.05 342.12 16.28 97.67	217.15
22 13 16 00-0078 EA 15" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,039.05 585.83 18.26 109.58	243.64
<b>22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes (22 13 16 00-0030)</b>		
22 13 16 00-0080 EA 3" x 2" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	196.65 34.92 4.84 29.06	64.60
22 13 16 00-0081 EA 4" x 2" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	239.13 41.78 5.99 35.93	79.84
22 13 16 00-0082 EA 4" x 3" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	268.12 50.87 6.14 36.84	81.86
22 13 16 00-0083 EA 6" x 2" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	399.60 84.77 7.87 47.22	105.03



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0084	EA		6" x 3" Bell And Spigot Cast Iron Reducing Wye .....	410.10	106.96
			<i>For Extra Heavy Fittings, Add</i>	87.40	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.02	
			<i>For Work In Restricted Working Space, Add</i>	48.12	
22 13 16 00-0085	EA		6" x 4" Bell And Spigot Cast Iron Reducing Wye .....	428.86	114.11
			<i>For Extra Heavy Fittings, Add</i>	90.22	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.55	
			<i>For Work In Restricted Working Space, Add</i>	51.32	
22 13 16 00-0086	EA		8" x 2" Bell And Spigot Cast Iron Reducing Wye .....	638.81	126.45
			<i>For Extra Heavy Fittings, Add</i>	157.23	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.48	
			<i>For Work In Restricted Working Space, Add</i>	56.87	
22 13 16 00-0087	EA		8" x 3" Bell And Spigot Cast Iron Reducing Wye .....	668.38	128.88
			<i>For Extra Heavy Fittings, Add</i>	166.32	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.66	
			<i>For Work In Restricted Working Space, Add</i>	57.96	
22 13 16 00-0088	EA		8" x 4" Bell And Spigot Cast Iron Reducing Wye .....	683.91	134.97
			<i>For Extra Heavy Fittings, Add</i>	168.54	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.12	
			<i>For Work In Restricted Working Space, Add</i>	60.71	
22 13 16 00-0089	EA		8" x 6" Bell And Spigot Cast Iron Reducing Wye .....	809.89	150.14
			<i>For Extra Heavy Fittings, Add</i>	204.67	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.26	
			<i>For Work In Restricted Working Space, Add</i>	67.54	
22 13 16 00-0090	EA		10" x 3" Bell And Spigot Cast Iron Reducing Wye .....	1,007.34	140.68
			<i>For Extra Heavy Fittings, Add</i>	278.74	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.55	
			<i>For Work In Restricted Working Space, Add</i>	63.28	
22 13 16 00-0091	EA		10" x 4" Bell And Spigot Cast Iron Reducing Wye .....	1,047.78	146.86
			<i>For Extra Heavy Fittings, Add</i>	289.64	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.01	
			<i>For Work In Restricted Working Space, Add</i>	66.07	
22 13 16 00-0092	EA		10" x 6" Bell And Spigot Cast Iron Reducing Wye .....	1,145.95	162.40
			<i>For Extra Heavy Fittings, Add</i>	315.88	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.17	
			<i>For Work In Restricted Working Space, Add</i>	73.03	
22 13 16 00-0093	EA		10" x 8" Bell And Spigot Cast Iron Reducing Wye .....	1,523.46	172.22
			<i>For Extra Heavy Fittings, Add</i>	442.84	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.91	
			<i>For Work In Restricted Working Space, Add</i>	77.46	
22 13 16 00-0094	EA		12" x 4" Bell And Spigot Cast Iron Reducing Wye .....	1,569.02	172.22
			<i>For Extra Heavy Fittings, Add</i>	458.79	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.91	
			<i>For Work In Restricted Working Space, Add</i>	77.46	
22 13 16 00-0095	EA		12" x 6" Bell And Spigot Cast Iron Reducing Wye .....	1,631.59	186.64
			<i>For Extra Heavy Fittings, Add</i>	473.12	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.99	
			<i>For Work In Restricted Working Space, Add</i>	83.95	
22 13 16 00-0096	EA		12" x 8" Bell And Spigot Cast Iron Reducing Wye .....	1,920.49	195.90
			<i>For Extra Heavy Fittings, Add</i>	569.40	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.68	
			<i>For Work In Restricted Working Space, Add</i>	88.09	
22 13 16 00-0097	EA		12" x 10" Bell And Spigot Cast Iron Reducing Wye .....	2,341.61	201.71
			<i>For Extra Heavy Fittings, Add</i>	713.72	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.12	
			<i>For Work In Restricted Working Space, Add</i>	90.73	
22 13 16 00-0098	EA		15" x 4" Bell And Spigot Cast Iron Reducing Wye .....	3,899.86	190.19
			<i>For Extra Heavy Fittings, Add</i>	1,265.15	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.26	
			<i>For Work In Restricted Working Space, Add</i>	85.55	
22 13 16 00-0099	EA		15" x 6" Bell And Spigot Cast Iron Reducing Wye .....	4,068.68	205.82
			<i>For Extra Heavy Fittings, Add</i>	1,316.01	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.43	
			<i>For Work In Restricted Working Space, Add</i>	92.60	
22 13 16 00-0100	EA		15" x 8" Bell And Spigot Cast Iron Reducing Wye .....	4,151.16	214.71
			<i>For Extra Heavy Fittings, Add</i>	1,340.23	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.10	
			<i>For Work In Restricted Working Space, Add</i>	96.58	
22 13 16 00-0101	EA		15" x 10" Bell And Spigot Cast Iron Reducing Wye .....	4,247.39	222.02
			<i>For Extra Heavy Fittings, Add</i>	1,370.11	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.64	
			<i>For Work In Restricted Working Space, Add</i>	99.84	
22 13 16 00-0102	EA		15" x 12" Bell And Spigot Cast Iron Reducing Wye .....	4,353.30	234.93
			<i>For Extra Heavy Fittings, Add</i>	1,400.38	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.61	
			<i>For Work In Restricted Working Space, Add</i>	105.66	
22 13 16 00-0103			<b>Bell And Spigot Cast Iron Combination Wye And 1/8 Bends</b> (22 13 16 00-0030)		
22 13 16 00-0104	EA		2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	132.33	61.81
			<i>For Extra Heavy Fittings, Add</i>	13.87	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.64	
			<i>For Work In Restricted Working Space, Add</i>	27.81	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0105 EA 3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	160.77	67.69
<i>For Extra Heavy Fittings, Add</i>	20.75	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.07	
<i>For Work In Restricted Working Space, Add</i>	30.45	
22 13 16 00-0106 EA 4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	214.85	88.71
<i>For Extra Heavy Fittings, Add</i>	28.66	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.65	
<i>For Work In Restricted Working Space, Add</i>	39.89	
22 13 16 00-0107 EA 5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	303.87	103.75
<i>For Extra Heavy Fittings, Add</i>	51.93	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.77	
<i>For Work In Restricted Working Space, Add</i>	46.65	
22 13 16 00-0108 EA 6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	380.78	128.68
<i>For Extra Heavy Fittings, Add</i>	65.76	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.64	
<i>For Work In Restricted Working Space, Add</i>	57.87	
22 13 16 00-0109 EA 8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	711.20	169.32
<i>For Extra Heavy Fittings, Add</i>	160.08	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.69	
<i>For Work In Restricted Working Space, Add</i>	76.15	
22 13 16 00-0110 EA 10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	1,030.60	222.02
<i>For Extra Heavy Fittings, Add</i>	244.23	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.64	
<i>For Work In Restricted Working Space, Add</i>	99.84	
22 13 16 00-0111 EA 12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	1,384.13	285.39
<i>For Extra Heavy Fittings, Add</i>	334.69	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	21.39	
<i>For Work In Restricted Working Space, Add</i>	128.36	
<b>22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0030)</small>		
22 13 16 00-0113 EA 3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	141.34	64.60
<i>For Extra Heavy Fittings, Add</i>	15.56	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.84	
<i>For Work In Restricted Working Space, Add</i>	29.06	
22 13 16 00-0114 EA 4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	201.42	79.84
<i>For Extra Heavy Fittings, Add</i>	28.58	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.99	
<i>For Work In Restricted Working Space, Add</i>	35.93	
22 13 16 00-0115 EA 4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	218.35	81.86
<i>For Extra Heavy Fittings, Add</i>	33.45	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.14	
<i>For Work In Restricted Working Space, Add</i>	36.84	
22 13 16 00-0116 EA 6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	328.23	105.03
<i>For Extra Heavy Fittings, Add</i>	59.79	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.87	
<i>For Work In Restricted Working Space, Add</i>	47.22	
22 13 16 00-0117 EA 6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	342.34	106.96
<i>For Extra Heavy Fittings, Add</i>	63.68	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.02	
<i>For Work In Restricted Working Space, Add</i>	48.12	
22 13 16 00-0118 EA 6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	362.75	114.11
<i>For Extra Heavy Fittings, Add</i>	67.08	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.55	
<i>For Work In Restricted Working Space, Add</i>	51.32	
22 13 16 00-0119 EA 8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	506.25	126.45
<i>For Extra Heavy Fittings, Add</i>	110.84	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.48	
<i>For Work In Restricted Working Space, Add</i>	56.87	
22 13 16 00-0120 EA 8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	519.05	134.97
<i>For Extra Heavy Fittings, Add</i>	110.84	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.12	
<i>For Work In Restricted Working Space, Add</i>	60.71	
22 13 16 00-0121 EA 8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	659.87	150.14
<i>For Extra Heavy Fittings, Add</i>	152.16	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.26	
<i>For Work In Restricted Working Space, Add</i>	67.54	
<b>22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes</b> <small>(22 13 16 00-0030)</small>		
22 13 16 00-0123 EA 2" Bell And Spigot Cast Iron Double Wye.....	220.40	73.96
<i>For Extra Heavy Fittings, Add</i>	38.35	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.54	
<i>For Work In Restricted Working Space, Add</i>	33.25	
22 13 16 00-0124 EA 3" Bell And Spigot Cast Iron Double Wye.....	323.70	93.23
<i>For Extra Heavy Fittings, Add</i>	64.39	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.99	
<i>For Work In Restricted Working Space, Add</i>	41.92	
22 13 16 00-0125 EA 4" Bell And Spigot Cast Iron Double Wye.....	440.97	117.92
<i>For Extra Heavy Fittings, Add</i>	92.44	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.84	
<i>For Work In Restricted Working Space, Add</i>	53.06	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0126	EA		6" Bell And Spigot Cast Iron Double Wye .....	855.94	180.09
			<i>For Extra Heavy Fittings, Add</i>	205.07	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.50	
			<i>For Work In Restricted Working Space, Add</i>	81.01	
22 13 16 00-0127	EA		8" Bell And Spigot Cast Iron Double Wye .....	1,744.79	212.56
			<i>For Extra Heavy Fittings, Add</i>	499.16	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.93	
			<i>For Work In Restricted Working Space, Add</i>	95.59	
22 13 16 00-0128	EA		10" Bell And Spigot Cast Iron Double Wye .....	2,321.36	237.83
			<i>For Extra Heavy Fittings, Add</i>	687.68	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.83	
			<i>For Work In Restricted Working Space, Add</i>	106.97	
22 13 16 00-0129	EA		12" Bell And Spigot Cast Iron Double Wye .....	1,584.55	285.39
			<i>For Extra Heavy Fittings, Add</i>	404.83	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	21.39	
			<i>For Work In Restricted Working Space, Add</i>	128.36	
22 13 16 00-0130	EA		15" Bell And Spigot Cast Iron Double Wye .....	4,573.13	299.52
			<i>For Extra Heavy Fittings, Add</i>	1,443.34	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	22.46	
			<i>For Work In Restricted Working Space, Add</i>	134.79	
<b>22 13 16 00-0131</b>			<b>Bell And Spigot Cast Iron Reducing Double Wyes (22 13 16 00-0030)</b>		
22 13 16 00-0132	EA		3" x 2" Bell And Spigot Cast Iron Reducing Double Wye .....	195.80	87.46
			<i>For Extra Heavy Fittings, Add</i>	22.63	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.56	
			<i>For Work In Restricted Working Space, Add</i>	39.35	
22 13 16 00-0133	EA		4" x 2" Bell And Spigot Cast Iron Reducing Double Wye .....	227.76	100.47
			<i>For Extra Heavy Fittings, Add</i>	26.99	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.53	
			<i>For Work In Restricted Working Space, Add</i>	45.20	
22 13 16 00-0134	EA		4" x 3" Bell And Spigot Cast Iron Reducing Double Wye .....	247.40	105.39
			<i>For Extra Heavy Fittings, Add</i>	31.27	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.90	
			<i>For Work In Restricted Working Space, Add</i>	47.42	
22 13 16 00-0135	EA		6" x 2" Bell And Spigot Cast Iron Reducing Double Wye .....	320.59	124.92
			<i>For Extra Heavy Fittings, Add</i>	46.67	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.36	
			<i>For Work In Restricted Working Space, Add</i>	56.18	
22 13 16 00-0136	EA		6" x 3" Bell And Spigot Cast Iron Reducing Double Wye .....	340.43	129.69
			<i>For Extra Heavy Fittings, Add</i>	51.11	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.72	
			<i>For Work In Restricted Working Space, Add</i>	58.32	
22 13 16 00-0137	EA		6" x 4" Bell And Spigot Cast Iron Reducing Double Wye .....	393.32	141.42
			<i>For Extra Heavy Fittings, Add</i>	63.46	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.60	
			<i>For Work In Restricted Working Space, Add</i>	63.60	
22 13 16 00-0138	EA		8" x 4" Bell And Spigot Cast Iron Reducing Double Wye .....	648.09	163.80
			<i>For Extra Heavy Fittings, Add</i>	140.91	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.28	
			<i>For Work In Restricted Working Space, Add</i>	73.65	
22 13 16 00-0139	EA		8" x 6" Bell And Spigot Cast Iron Reducing Double Wye .....	702.67	193.84
			<i>For Extra Heavy Fittings, Add</i>	144.20	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.53	
			<i>For Work In Restricted Working Space, Add</i>	87.20	
22 13 16 00-0140	EA		10" x 4" Bell And Spigot Cast Iron Reducing Double Wye .....	690.23	175.21
			<i>For Extra Heavy Fittings, Add</i>	149.63	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.14	
			<i>For Work In Restricted Working Space, Add</i>	78.82	
22 13 16 00-0141	EA		10" x 6" Bell And Spigot Cast Iron Reducing Double Wye .....	804.09	205.82
			<i>For Extra Heavy Fittings, Add</i>	173.40	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.43	
			<i>For Work In Restricted Working Space, Add</i>	92.60	
22 13 16 00-0142	EA		10" x 8" Bell And Spigot Cast Iron Reducing Double Wye .....	996.98	224.35
			<i>For Extra Heavy Fittings, Add</i>	231.21	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.82	
			<i>For Work In Restricted Working Space, Add</i>	100.91	
22 13 16 00-0143	EA		12" x 6" Bell And Spigot Cast Iron Reducing Double Wye .....	1,018.26	229.51
			<i>For Extra Heavy Fittings, Add</i>	235.95	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.21	
			<i>For Work In Restricted Working Space, Add</i>	103.23	
22 13 16 00-0144	EA		12" x 8" Bell And Spigot Cast Iron Reducing Double Wye .....	1,310.77	249.72
			<i>For Extra Heavy Fittings, Add</i>	327.73	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	18.72	
			<i>For Work In Restricted Working Space, Add</i>	112.32	
<b>22 13 16 00-0145</b>			<b>Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0030)</b>		
22 13 16 00-0146	EA		2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend .....	181.13	73.96
			<i>For Extra Heavy Fittings, Add</i>	24.61	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.54	
			<i>For Work In Restricted Working Space, Add</i>	33.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0147 EA 3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	244.07 33.51 7.42 44.50	98.93
22 13 16 00-0148 EA 4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	320.14 47.15 9.27 55.63	123.71
22 13 16 00-0149 EA 6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	719.41 146.17 15.09 90.53	201.27
<b>22 13 16 00-0150 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends</b> (22 13 16 00-0030)		
22 13 16 00-0151 EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	244.08 38.89 6.65 39.89	88.71
22 13 16 00-0152 EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	290.67 49.00 7.53 45.20	100.47
22 13 16 00-0153 EA 4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	326.53 55.62 8.38 50.29	111.85
22 13 16 00-0154 EA 6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	670.95 156.05 11.26 67.53	150.13
<b>22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees</b> (22 13 16 00-0030)		
22 13 16 00-0156 EA 2" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	147.58 19.18 4.64 27.84	61.90
22 13 16 00-0157 EA 3" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	168.39 23.42 5.07 30.45	67.69
22 13 16 00-0158 EA 4" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	276.64 53.29 6.22 37.32	82.92
22 13 16 00-0159 EA 5" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	408.24 94.86 6.86 41.16	91.47
22 13 16 00-0160 EA 6" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	489.75 113.84 8.23 49.35	109.71
22 13 16 00-0161 EA 8" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,071.81 299.74 10.77 64.63	143.68
22 13 16 00-0162 EA 10" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,619.11 474.73 13.14 78.82	175.21
22 13 16 00-0163 EA 12" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,427.42 741.57 15.43 92.60	205.82
<b>22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees</b> (22 13 16 00-0030)		
22 13 16 00-0165 EA 3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	201.84 36.74 4.84 29.06	64.60
22 13 16 00-0166 EA 4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	239.16 44.00 5.67 34.03	75.69
22 13 16 00-0167 EA 4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	251.27 48.24 5.67 34.03	75.69



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0168	EA		6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	383.45 79.12 7.87 47.22	105.03
22 13 16 00-0169	EA		6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	399.72 83.77 8.02 48.12	106.96
22 13 16 00-0170	EA		6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	434.05 92.04 8.55 51.32	114.11
22 13 16 00-0171	EA		8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	752.53 192.56 10.12 60.71	134.97
22 13 16 00-0172	EA		8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	948.88 253.31 11.26 67.54	150.14
<b>22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)</b>					
22 13 16 00-0174	EA		2" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	124.72 11.20 4.64 27.81	61.81
22 13 16 00-0175	EA		3" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	157.20 19.50 5.07 30.45	67.69
22 13 16 00-0176	EA		4" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	208.45 26.42 6.65 39.89	88.71
22 13 16 00-0177	EA		5" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	268.12 39.42 7.77 46.65	103.75
22 13 16 00-0178	EA		6" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	337.99 50.79 9.64 57.87	128.68
22 13 16 00-0179	EA		8" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	591.48 118.18 12.69 76.15	169.32
<b>22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)</b>					
22 13 16 00-0181	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.46 12.51 4.64 27.81	61.81
22 13 16 00-0182	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	141.92 14.15 5.07 30.45	67.69
22 13 16 00-0183	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	182.79 17.44 6.65 39.89	88.71
<b>22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0030)</b>					
22 13 16 00-0185	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Cross ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	130.83 13.34 4.64 27.81	61.81
22 13 16 00-0186	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Cross ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.41 15.72 5.07 30.45	67.69
22 13 16 00-0187	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Cross ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.09 21.40 6.65 39.89	88.71
<b>22 13 16 00-0188 Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)</b>					
22 13 16 00-0189	EA		3" x 2" Bell And Spigot Cast Iron Reducer ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.36 7.08 2.61 15.64	34.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0190 EA 4" x 2" Bell And Spigot Cast Iron Reducer.....	90.03	45.90
<i>For Extra Heavy Fittings, Add</i>	7.41	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.44	
<i>For Work In Restricted Working Space, Add</i>	20.66	
22 13 16 00-0191 EA 4" x 3" Bell And Spigot Cast Iron Reducer.....	96.88	46.28
<i>For Extra Heavy Fittings, Add</i>	9.63	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.47	
<i>For Work In Restricted Working Space, Add</i>	20.81	
22 13 16 00-0192 EA 6" x 2" Bell And Spigot Cast Iron Reducer.....	123.27	55.54
<i>For Extra Heavy Fittings, Add</i>	13.99	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.17	
<i>For Work In Restricted Working Space, Add</i>	24.99	
22 13 16 00-0193 EA 6" x 3" Bell And Spigot Cast Iron Reducer.....	129.33	56.28
<i>For Extra Heavy Fittings, Add</i>	15.72	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.22	
<i>For Work In Restricted Working Space, Add</i>	25.32	
22 13 16 00-0194 EA 6" x 4" Bell And Spigot Cast Iron Reducer.....	133.63	57.47
<i>For Extra Heavy Fittings, Add</i>	16.63	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.31	
<i>For Work In Restricted Working Space, Add</i>	25.83	
22 13 16 00-0195 EA 8" x 2" Bell And Spigot Cast Iron Reducer.....	176.50	59.20
<i>For Extra Heavy Fittings, Add</i>	30.70	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.44	
<i>For Work In Restricted Working Space, Add</i>	26.63	
22 13 16 00-0196 EA 8" x 3" Bell And Spigot Cast Iron Reducer.....	197.95	72.91
<i>For Extra Heavy Fittings, Add</i>	31.02	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.47	
<i>For Work In Restricted Working Space, Add</i>	32.79	
22 13 16 00-0197 EA 8" x 4" Bell And Spigot Cast Iron Reducer.....	203.16	74.78
<i>For Extra Heavy Fittings, Add</i>	31.85	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.61	
<i>For Work In Restricted Working Space, Add</i>	33.65	
22 13 16 00-0198 EA 8" x 6" Bell And Spigot Cast Iron Reducer.....	209.66	78.06
<i>For Extra Heavy Fittings, Add</i>	32.43	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.85	
<i>For Work In Restricted Working Space, Add</i>	35.10	
22 13 16 00-0199 EA 10" x 4" Bell And Spigot Cast Iron Reducer.....	264.01	87.61
<i>For Extra Heavy Fittings, Add</i>	46.42	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.57	
<i>For Work In Restricted Working Space, Add</i>	39.41	
22 13 16 00-0200 EA 10" x 6" Bell And Spigot Cast Iron Reducer.....	278.42	92.01
<i>For Extra Heavy Fittings, Add</i>	49.15	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.90	
<i>For Work In Restricted Working Space, Add</i>	41.40	
22 13 16 00-0201 EA 10" x 8" Bell And Spigot Cast Iron Reducer.....	297.11	96.03
<i>For Extra Heavy Fittings, Add</i>	53.59	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.20	
<i>For Work In Restricted Working Space, Add</i>	43.20	
22 13 16 00-0202 EA 12" x 4" Bell And Spigot Cast Iron Reducer.....	372.55	104.08
<i>For Extra Heavy Fittings, Add</i>	75.79	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.80	
<i>For Work In Restricted Working Space, Add</i>	46.80	
22 13 16 00-0203 EA 12" x 6" Bell And Spigot Cast Iron Reducer.....	414.23	121.77
<i>For Extra Heavy Fittings, Add</i>	81.06	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.13	
<i>For Work In Restricted Working Space, Add</i>	54.79	
22 13 16 00-0204 EA 12" x 8" Bell And Spigot Cast Iron Reducer.....	446.45	138.71
<i>For Extra Heavy Fittings, Add</i>	83.46	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.40	
<i>For Work In Restricted Working Space, Add</i>	62.40	
22 13 16 00-0205 EA 12" x 10" Bell And Spigot Cast Iron Reducer.....	487.40	159.77
<i>For Extra Heavy Fittings, Add</i>	86.75	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.98	
<i>For Work In Restricted Working Space, Add</i>	71.86	
22 13 16 00-0206 EA 15" x 6" Bell And Spigot Cast Iron Reducer.....	647.78	159.77
<i>For Extra Heavy Fittings, Add</i>	142.88	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.98	
<i>For Work In Restricted Working Space, Add</i>	71.86	
22 13 16 00-0207 EA 15" x 8" Bell And Spigot Cast Iron Reducer.....	688.76	172.22
<i>For Extra Heavy Fittings, Add</i>	150.70	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.91	
<i>For Work In Restricted Working Space, Add</i>	77.46	
22 13 16 00-0208 EA 15" x 10" Bell And Spigot Cast Iron Reducer.....	716.69	181.58
<i>For Extra Heavy Fittings, Add</i>	155.54	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.61	
<i>For Work In Restricted Working Space, Add</i>	81.69	
22 13 16 00-0209 EA 15" x 12" Bell And Spigot Cast Iron Reducer.....	754.63	193.84
<i>For Extra Heavy Fittings, Add</i>	162.38	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.53	
<i>For Work In Restricted Working Space, Add</i>	87.20	

22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0211	EA		2" Bell And Spigot Cast Iron P-Trap.....	76.07	27.67
			<i>For Extra Heavy Fittings, Add</i>	12.11	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.07	
			<i>For Work In Restricted Working Space, Add</i>	12.44	
22 13 16 00-0212	EA		3" Bell And Spigot Cast Iron P-Trap.....	102.46	34.81
			<i>For Extra Heavy Fittings, Add</i>	17.62	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.61	
			<i>For Work In Restricted Working Space, Add</i>	15.64	
22 13 16 00-0213	EA		4" Bell And Spigot Cast Iron P-Trap.....	139.90	46.28
			<i>For Extra Heavy Fittings, Add</i>	24.69	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.47	
			<i>For Work In Restricted Working Space, Add</i>	20.81	
22 13 16 00-0214	EA		5" Bell And Spigot Cast Iron P-Trap.....	228.27	51.41
			<i>For Extra Heavy Fittings, Add</i>	52.92	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.85	
			<i>For Work In Restricted Working Space, Add</i>	23.12	
22 13 16 00-0215	EA		6" Bell And Spigot Cast Iron P-Trap.....	308.42	60.48
			<i>For Extra Heavy Fittings, Add</i>	76.22	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.53	
			<i>For Work In Restricted Working Space, Add</i>	27.20	
22 13 16 00-0216	EA		8" Bell And Spigot Cast Iron P-Trap.....	698.29	78.06
			<i>For Extra Heavy Fittings, Add</i>	203.46	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.85	
			<i>For Work In Restricted Working Space, Add</i>	35.10	
22 13 16 00-0217	EA		10" Bell And Spigot Cast Iron P-Trap.....	772.02	96.03
			<i>For Extra Heavy Fittings, Add</i>	219.81	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.20	
			<i>For Work In Restricted Working Space, Add</i>	43.20	
<b>22 13 16 00-0218</b>			<b>Bell And Spigot Cast Iron Deep Seal P-Traps</b> (22 13 16 00-0030)		
22 13 16 00-0219	EA		2" Bell And Spigot Cast Iron Deep Seal P-Trap.....	89.22	27.67
			<i>For Extra Heavy Fittings, Add</i>	16.71	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.07	
			<i>For Work In Restricted Working Space, Add</i>	12.44	
22 13 16 00-0220	EA		3" Bell And Spigot Cast Iron Deep Seal P-Trap.....	128.30	34.81
			<i>For Extra Heavy Fittings, Add</i>	26.66	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.61	
			<i>For Work In Restricted Working Space, Add</i>	15.64	
22 13 16 00-0221	EA		4" Bell And Spigot Cast Iron Deep Seal P-Trap.....	187.94	46.28
			<i>For Extra Heavy Fittings, Add</i>	41.50	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.47	
			<i>For Work In Restricted Working Space, Add</i>	20.81	
22 13 16 00-0222	EA		5" Bell And Spigot Cast Iron Deep Seal P-Trap.....	313.27	57.47
			<i>For Extra Heavy Fittings, Add</i>	79.51	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.31	
			<i>For Work In Restricted Working Space, Add</i>	25.83	
22 13 16 00-0223	EA		6" Bell And Spigot Cast Iron Deep Seal P-Trap.....	331.74	64.07
			<i>For Extra Heavy Fittings, Add</i>	82.47	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.81	
			<i>For Work In Restricted Working Space, Add</i>	28.83	
<b>22 13 16 00-0224</b>			<b>Bell And Spigot Cast Iron Running Traps With Single Vent</b> (22 13 16 00-0030)		
22 13 16 00-0225	EA		3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent.....	204.84	66.82
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.07	
			<i>For Work In Restricted Working Space, Add</i>	30.45	
22 13 16 00-0226	EA		4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	273.65	87.84
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.65	
			<i>For Work In Restricted Working Space, Add</i>	39.89	
22 13 16 00-0227	EA		5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	374.89	99.81
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.54	
			<i>For Work In Restricted Working Space, Add</i>	45.26	
22 13 16 00-0228	EA		6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	774.08	113.10
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.55	
			<i>For Work In Restricted Working Space, Add</i>	51.32	
22 13 16 00-0229	EA		8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	2,596.28	133.47
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.12	
			<i>For Work In Restricted Working Space, Add</i>	60.71	
22 13 16 00-0230	EA		8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent.....	2,810.18	148.92
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.26	
			<i>For Work In Restricted Working Space, Add</i>	67.54	
<b>22 13 16 00-0231</b>			<b>Bell And Spigot Cast Running Traps With Double Vent</b> (22 13 16 00-0030)		
22 13 16 00-0232	EA		3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent.....	260.50	92.28
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.99	
			<i>For Work In Restricted Working Space, Add</i>	41.92	
22 13 16 00-0233	EA		4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	357.99	116.47
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.84	
			<i>For Work In Restricted Working Space, Add</i>	53.06	
22 13 16 00-0234	EA		6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	859.54	139.77
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.60	
			<i>For Work In Restricted Working Space, Add</i>	63.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0235 EA 6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	995.29 12.82 76.91	169.19
22 13 16 00-0236 EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,792.05 12.28 73.65	161.83
22 13 16 00-0237 EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,060.47 14.53 87.20	192.16
22 13 16 00-0238 EA 10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,078.43 16.82 100.91	221.74
22 13 16 00-0239 EA 12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,657.07 19.42 116.51	256.36
22 13 16 00-0240 EA 15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	11,060.74 22.47 134.84	296.52
<b>22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings</b> (22 13 16 00-0030)		
22 13 16 00-0242 EA 2" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	164.87 2.07 12.41	
22 13 16 00-0243 EA 3" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	229.21 2.32 13.94	
22 13 16 00-0244 EA 4" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	263.22 3.11 18.68	
22 13 16 00-0245 EA 5" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	325.83 3.62 21.70	
22 13 16 00-0246 EA 6" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	395.77 4.37 26.21	
22 13 16 00-0247 EA 8" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	758.98 5.52 33.12	
<b>22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe</b> (22 13 16 00-0019)		
Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0249 EA 2", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.52 0.58 3.46	
22 13 16 00-0250 EA 3", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.57 0.63 3.77	
22 13 16 00-0251 EA 4", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.71 0.79 4.71	
22 13 16 00-0252 EA 6", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.84 0.94 5.65	
22 13 16 00-0253 EA 8", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.13 1.26 7.54	
22 13 16 00-0254 EA 10", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.31 1.47 8.79	
22 13 16 00-0255 EA 12", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.55 1.73 10.37	
22 13 16 00-0256 EA 15", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.78 1.99 11.93	
<b>22 13 16 00-0257 Joint Material</b> (22 13 16 00-0019)		
Note: Labor costs are included in the installation costs for fittings.		
22 13 16 00-0258 LB Lead (1 LB/Diameter Inch) Joint Material .....	6.03	
22 13 16 00-0259 LB Oakum (1/8 LB/Diameter Inch) Joint Material .....	16.96	
22 13 16 00-0260 EA 2" Dual Tite Rubber Gasket .....	3.17	
22 13 16 00-0261 EA 3" Dual Tite Rubber Gasket .....	4.34	
22 13 16 00-0262 EA 4" Dual Tite Rubber Gasket .....	5.40	
22 13 16 00-0263 EA 6" Dual Tite Rubber Gasket .....	8.95	
22 13 16 00-0264 EA 8" Dual Tite Rubber Gasket .....	19.75	
22 13 16 00-0265 EA 10" Dual Tite Rubber Gasket .....	30.28	
22 13 16 00-0266 EA 12" Dual Tite Rubber Gasket .....	38.57	
22 13 16 00-0267 EA 15" Dual Tite Rubber Gasket .....	45.81	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0268			<b>No Hub Cast Iron Soil Pipe And Fittings</b> (22 13 16) Note: Service Weight. Excludes hangers.		
22 13 16 00-0269			<b>No Hub Cast Iron Pipe</b> (22 13 16 00-0268) Note: Excludes couplings.		
22 13 16 00-0270	LF		1-1/2" No Hub Cast Iron Pipe.....	16.69	5.79
			<i>For Below Ground Installation, Add</i>	0.43	
			<i>For Work In Restricted Working Space, Add</i>	2.61	
22 13 16 00-0271	LF		2" No Hub Cast Iron Pipe.....	17.72	6.17
			<i>For Below Ground Installation, Add</i>	0.47	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 13 16 00-0272	LF		3" No Hub Cast Iron Pipe.....	25.12	8.96
			<i>For Below Ground Installation, Add</i>	0.67	
			<i>For Work In Restricted Working Space, Add</i>	4.05	
22 13 16 00-0273	LF		4" No Hub Cast Iron Pipe.....	32.59	11.66
			<i>For Below Ground Installation, Add</i>	0.88	
			<i>For Work In Restricted Working Space, Add</i>	5.26	
22 13 16 00-0274	LF		5" No Hub Cast Iron Pipe.....	42.01	14.02
			<i>For Below Ground Installation, Add</i>	1.05	
			<i>For Work In Restricted Working Space, Add</i>	6.31	
22 13 16 00-0275	LF		6" No Hub Cast Iron Pipe.....	48.86	15.31
			<i>For Below Ground Installation, Add</i>	1.15	
			<i>For Work In Restricted Working Space, Add</i>	6.87	
22 13 16 00-0276	LF		8" No Hub Cast Iron Pipe.....	74.48	22.00
			<i>For Below Ground Installation, Add</i>	1.65	
			<i>For Work In Restricted Working Space, Add</i>	9.87	
22 13 16 00-0277	LF		10" No Hub Cast Iron Pipe.....	106.35	24.99
			<i>For Below Ground Installation, Add</i>	1.87	
			<i>For Work In Restricted Working Space, Add</i>	11.23	
22 13 16 00-0278			<b>No Hub Cast Iron Fittings</b> (22 13 16 00-0278)		
22 13 16 00-0279			<b>No Hub Cast Iron Long Sweeps</b> (22 13 16 00-0278)		
22 13 16 00-0280	EA		1-1/2" No Hub Cast Iron Long Sweep.....	58.13	26.22
			<i>For Below Ground Installation, Add</i>	1.97	
			<i>For Work In Restricted Working Space, Add</i>	11.81	
22 13 16 00-0281	EA		2" No Hub Cast Iron Long Sweep.....	60.27	27.38
			<i>For Below Ground Installation, Add</i>	2.05	
			<i>For Work In Restricted Working Space, Add</i>	12.31	
22 13 16 00-0282	EA		3" No Hub Cast Iron Long Sweep.....	71.15	31.33
			<i>For Below Ground Installation, Add</i>	2.35	
			<i>For Work In Restricted Working Space, Add</i>	14.11	
22 13 16 00-0283	EA		4" No Hub Cast Iron Long Sweep.....	98.14	41.47
			<i>For Below Ground Installation, Add</i>	3.11	
			<i>For Work In Restricted Working Space, Add</i>	18.66	
22 13 16 00-0284	EA		5" No Hub Cast Iron Long Sweep.....	135.54	46.28
			<i>For Below Ground Installation, Add</i>	3.47	
			<i>For Work In Restricted Working Space, Add</i>	20.81	
22 13 16 00-0285	EA		6" No Hub Cast Iron Long Sweep.....	160.79	55.18
			<i>For Below Ground Installation, Add</i>	4.14	
			<i>For Work In Restricted Working Space, Add</i>	24.83	
22 13 16 00-0286	EA		8" No Hub Cast Iron Long Sweep.....	320.25	71.32
			<i>For Below Ground Installation, Add</i>	5.35	
			<i>For Work In Restricted Working Space, Add</i>	32.09	
22 13 16 00-0287			<b>No Hub Cast Iron Reducing Long Sweeps</b> (22 13 16 00-0278)		
22 13 16 00-0288	EA		3" x 2" No Hub Cast Iron Reducing Long Sweep.....	91.01	31.33
			<i>For Below Ground Installation, Add</i>	2.35	
			<i>For Work In Restricted Working Space, Add</i>	14.11	
22 13 16 00-0289	EA		4" x 3" No Hub Cast Iron Reducing Long Sweep.....	136.01	41.47
			<i>For Below Ground Installation, Add</i>	3.11	
			<i>For Work In Restricted Working Space, Add</i>	18.66	
22 13 16 00-0290			<b>No Hub Cast Iron Short Sweeps</b> (22 13 16 00-0278)		
22 13 16 00-0291	EA		2" No Hub Cast Iron Short Sweep.....	56.28	27.38
			<i>For Below Ground Installation, Add</i>	2.05	
			<i>For Work In Restricted Working Space, Add</i>	12.31	
22 13 16 00-0292	EA		3" No Hub Cast Iron Short Sweep.....	67.98	31.33
			<i>For Below Ground Installation, Add</i>	2.35	
			<i>For Work In Restricted Working Space, Add</i>	14.11	
22 13 16 00-0293	EA		4" No Hub Cast Iron Short Sweep.....	96.48	41.47
			<i>For Below Ground Installation, Add</i>	3.11	
			<i>For Work In Restricted Working Space, Add</i>	18.66	
22 13 16 00-0294	EA		5" No Hub Cast Iron Short Sweep.....	136.16	46.28
			<i>For Below Ground Installation, Add</i>	3.47	
			<i>For Work In Restricted Working Space, Add</i>	20.81	
22 13 16 00-0295	EA		6" No Hub Cast Iron Short Sweep.....	151.09	55.18
			<i>For Below Ground Installation, Add</i>	4.14	
			<i>For Work In Restricted Working Space, Add</i>	24.83	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0296 EA 8" No Hub Cast Iron Short Sweep ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	290.94 5.35 32.09	71.32
22 13 16 00-0297 EA 10" No Hub Cast Iron Short Sweep ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	473.36 7.49 44.93	99.87
<b>22 13 16 00-0298 No Hub Cast Iron 1/4 Bends</b> <small>(22 13 16 00-0278)</small>		
22 13 16 00-0299 EA 1-1/2" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.19 1.97 11.81	26.22
22 13 16 00-0300 EA 2" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.53 2.05 12.31	27.38
22 13 16 00-0301 EA 3" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.52 2.35 14.11	31.33
22 13 16 00-0302 EA 4" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.63 3.11 18.66	41.47
22 13 16 00-0303 EA 5" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.92 3.47 20.81	46.28
22 13 16 00-0304 EA 6" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	143.26 4.14 24.83	55.18
22 13 16 00-0305 EA 8" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	268.12 5.35 32.09	71.32
<b>22 13 16 00-0306 No Hub Cast Iron 1/8 Bends</b> <small>(22 13 16 00-0278)</small>		
22 13 16 00-0307 EA 1-1/2" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.64 1.97 11.81	26.22
22 13 16 00-0308 EA 2" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.52 2.05 12.31	27.38
22 13 16 00-0309 EA 3" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.57 2.35 14.11	31.33
22 13 16 00-0310 EA 4" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.99 3.11 18.66	41.47
22 13 16 00-0311 EA 6" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.44 4.59 27.55	61.23
22 13 16 00-0312 EA 8" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	228.62 6.03 36.16	80.41
22 13 16 00-0313 EA 10" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	352.23 7.42 44.50	98.93
<b>22 13 16 00-0314 No Hub Cast Iron Wyes</b> <small>(22 13 16 00-0278)</small>		
22 13 16 00-0315 EA 1-1/2" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.30 3.09 18.54	41.26
22 13 16 00-0316 EA 2" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	100.55 4.19 25.16	55.92
22 13 16 00-0317 EA 3" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.65 4.59 27.55	61.23
22 13 16 00-0318 EA 4" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	157.56 6.03 36.16	80.41
22 13 16 00-0319 EA 5" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	215.20 6.75 40.52	90.10
22 13 16 00-0320 EA 6" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	255.36 8.02 48.12	106.96
22 13 16 00-0321 EA 8" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	437.07 10.70 64.18	142.74
22 13 16 00-0322 EA 10" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	720.85 11.89 71.31	158.55
<b>22 13 16 00-0323 No Hub Cast Iron Reducing Wyes</b> <small>(22 13 16 00-0278)</small>		

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0324	EA		3" x 1-1/2" No Hub Cast Iron Reducing Wye.....	98.02	53.41
			<i>For Below Ground Installation, Add</i>	4.00	
			<i>For Work In Restricted Working Space, Add</i>	24.01	
22 13 16 00-0325	EA		3" x 2" No Hub Cast Iron Reducing Wye.....	109.83	61.23
			<i>For Below Ground Installation, Add</i>	4.59	
			<i>For Work In Restricted Working Space, Add</i>	27.55	
22 13 16 00-0326	EA		4" x 2" No Hub Cast Iron Reducing Wye.....	124.52	67.69
			<i>For Below Ground Installation, Add</i>	5.07	
			<i>For Work In Restricted Working Space, Add</i>	30.45	
22 13 16 00-0327	EA		4" x 3" No Hub Cast Iron Reducing Wye.....	143.63	75.21
			<i>For Below Ground Installation, Add</i>	5.64	
			<i>For Work In Restricted Working Space, Add</i>	33.83	
22 13 16 00-0328	EA		6" x 2" No Hub Cast Iron Reducing Wye.....	187.69	91.00
			<i>For Below Ground Installation, Add</i>	6.83	
			<i>For Work In Restricted Working Space, Add</i>	40.95	
22 13 16 00-0329	EA		6" x 3" No Hub Cast Iron Reducing Wye.....	200.30	95.13
			<i>For Below Ground Installation, Add</i>	7.13	
			<i>For Work In Restricted Working Space, Add</i>	42.77	
22 13 16 00-0330	EA		6" x 4" No Hub Cast Iron Reducing Wye.....	229.87	111.17
			<i>For Below Ground Installation, Add</i>	8.33	
			<i>For Work In Restricted Working Space, Add</i>	49.99	
22 13 16 00-0331	EA		8" x 4" No Hub Cast Iron Reducing Wye.....	296.02	112.22
			<i>For Below Ground Installation, Add</i>	8.41	
			<i>For Work In Restricted Working Space, Add</i>	50.48	
22 13 16 00-0332	EA		8" x 6" No Hub Cast Iron Reducing Wye.....	342.66	123.36
			<i>For Below Ground Installation, Add</i>	9.24	
			<i>For Work In Restricted Working Space, Add</i>	55.46	
22 13 16 00-0333	EA		10" x 4" No Hub Cast Iron Reducing Wye.....	531.18	131.42
			<i>For Below Ground Installation, Add</i>	9.85	
			<i>For Work In Restricted Working Space, Add</i>	59.12	
22 13 16 00-0334	EA		10" x 6" No Hub Cast Iron Reducing Wye.....	560.52	140.68
			<i>For Below Ground Installation, Add</i>	10.55	
			<i>For Work In Restricted Working Space, Add</i>	63.28	
22 13 16 00-0335	EA		10" x 8" No Hub Cast Iron Reducing Wye.....	645.01	150.23
			<i>For Below Ground Installation, Add</i>	11.26	
			<i>For Work In Restricted Working Space, Add</i>	67.56	
<b>22 13 16 00-0336</b>			<b>No Hub Cast Iron Combination Wye And 1/8 Bends</b> (22 13 16 00-0278)		
22 13 16 00-0337	EA		1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend.....	88.65	48.02
			<i>For Below Ground Installation, Add</i>	3.60	
			<i>For Work In Restricted Working Space, Add</i>	21.59	
22 13 16 00-0338	EA		2" No Hub Cast Iron Combination Wye And 1/8 Bend.....	101.23	55.92
			<i>For Below Ground Installation, Add</i>	4.19	
			<i>For Work In Restricted Working Space, Add</i>	25.16	
22 13 16 00-0339	EA		3" No Hub Cast Iron Combination Wye And 1/8 Bend.....	119.73	61.23
			<i>For Below Ground Installation, Add</i>	4.59	
			<i>For Work In Restricted Working Space, Add</i>	27.55	
22 13 16 00-0340	EA		4" No Hub Cast Iron Combination Wye And 1/8 Bend.....	171.93	80.41
			<i>For Below Ground Installation, Add</i>	6.03	
			<i>For Work In Restricted Working Space, Add</i>	36.16	
22 13 16 00-0341	EA		6" No Hub Cast Iron Combination Wye And 1/8 Bend.....	314.83	123.71
			<i>For Below Ground Installation, Add</i>	9.27	
			<i>For Work In Restricted Working Space, Add</i>	55.63	
22 13 16 00-0342	EA		8" No Hub Cast Iron Combination Wye And 1/8 Bend.....	562.65	158.70
			<i>For Below Ground Installation, Add</i>	11.90	
			<i>For Work In Restricted Working Space, Add</i>	71.39	
22 13 16 00-0343	EA		10" No Hub Cast Iron Combination Wye And 1/8 Bend.....	660.47	191.88
			<i>For Below Ground Installation, Add</i>	14.38	
			<i>For Work In Restricted Working Space, Add</i>	86.30	
<b>22 13 16 00-0344</b>			<b>No Hub Cast Iron Reducing Combination Wye And 1/8 Bends</b> (22 13 16 00-0278)		
22 13 16 00-0345	EA		2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	102.06	55.92
			<i>For Below Ground Installation, Add</i>	4.19	
			<i>For Work In Restricted Working Space, Add</i>	25.16	
22 13 16 00-0346	EA		3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	112.37	61.23
			<i>For Below Ground Installation, Add</i>	4.59	
			<i>For Work In Restricted Working Space, Add</i>	27.55	
22 13 16 00-0347	EA		4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	129.60	67.69
			<i>For Below Ground Installation, Add</i>	5.07	
			<i>For Work In Restricted Working Space, Add</i>	30.45	
22 13 16 00-0348	EA		4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	148.56	75.21
			<i>For Below Ground Installation, Add</i>	5.64	
			<i>For Work In Restricted Working Space, Add</i>	33.83	
22 13 16 00-0349	EA		6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	202.48	91.00
			<i>For Below Ground Installation, Add</i>	6.83	
			<i>For Work In Restricted Working Space, Add</i>	40.95	
22 13 16 00-0350	EA		6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	226.13	95.13
			<i>For Below Ground Installation, Add</i>	7.13	
			<i>For Work In Restricted Working Space, Add</i>	42.77	
22 13 16 00-0351	EA		6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	252.48	111.17
			<i>For Below Ground Installation, Add</i>	8.33	
			<i>For Work In Restricted Working Space, Add</i>	49.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0352 EA 8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	338.29 8.41 50.48	112.22
22 13 16 00-0353 EA 8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	439.29 9.24 55.46	123.36
<b>22 13 16 00-0354 No Hub Cast Iron Double Wyes</b> (22 13 16 00-0278)		
22 13 16 00-0355 EA 2" No Hub Cast Iron Double Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	127.53 5.21 31.27	69.52
22 13 16 00-0356 EA 3" No Hub Cast Iron Double Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	169.82 6.34 38.06	84.66
22 13 16 00-0357 EA 4" No Hub Cast Iron Double Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	227.11 6.94 41.62	92.57
22 13 16 00-0358 EA 6" No Hub Cast Iron Double Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	354.34 10.10 60.62	134.82
22 13 16 00-0359 EA 8" No Hub Cast Iron Double Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	684.69 13.61 81.69	181.58
<b>22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes</b> (22 13 16 00-0278)		
22 13 16 00-0361 EA 3" x 2" No Hub Cast Iron Double Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	152.30 5.77 34.64	77.04
22 13 16 00-0362 EA 4" x 2" No Hub Cast Iron Double Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	182.48 6.65 39.90	88.71
22 13 16 00-0363 EA 4" x 3" No Hub Cast Iron Double Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	200.80 7.25 43.50	96.71
22 13 16 00-0364 EA 6" x 4" No Hub Cast Iron Double Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	301.71 8.91 53.46	118.87
<b>22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends</b> (22 13 16 00-0278)		
22 13 16 00-0366 EA 2" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.04 6.26 37.57	83.50
22 13 16 00-0367 EA 3" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	201.96 6.94 41.62	92.57
22 13 16 00-0368 EA 4" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	304.41 9.18 55.10	122.55
22 13 16 00-0369 EA 6" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	424.57 14.18 85.08	189.18
<b>22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends</b> (22 13 16 00-0278)		
22 13 16 00-0371 EA 3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	155.08 5.39 32.32	71.83
22 13 16 00-0372 EA 4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	179.78 6.26 37.57	83.50
22 13 16 00-0373 EA 4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	216.08 6.84 41.03	91.22
<b>22 13 16 00-0374 No Hub Cast Iron Sanitary Tees</b> (22 13 16 00-0278)		
22 13 16 00-0375 EA 1-1/2" No Hub Cast Iron Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.30 3.03 18.19	40.40
22 13 16 00-0376 EA 2" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.38 4.19 25.16	55.92
22 13 16 00-0377 EA 3" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.78 4.59 27.55	61.23
22 13 16 00-0378 EA 4" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	153.31 6.03 36.16	80.41



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0379	EA		5" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	216.09 6.75 40.52	90.10
22 13 16 00-0380	EA		6" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	254.74 8.02 48.12	106.96
22 13 16 00-0381	EA		8" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	489.51 10.70 64.18	142.74
<b>22 13 16 00-0382</b>			<b>No Hub Cast Iron Reducing Sanitary Tees</b> (22 13 16 00-0278)		
22 13 16 00-0383	EA		2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.91 3.42 20.51	45.61
22 13 16 00-0384	EA		3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	99.47 4.00 24.01	53.41
22 13 16 00-0385	EA		3" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.30 4.19 25.16	55.92
22 13 16 00-0386	EA		3" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.37 4.19 25.16	55.92
22 13 16 00-0387	EA		4" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.39 5.67 34.03	75.69
22 13 16 00-0388	EA		4" x 3" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	143.26 5.67 34.03	75.69
22 13 16 00-0389	EA		5" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.25 6.42 38.49	85.60
22 13 16 00-0390	EA		5" x 3" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	193.04 6.42 38.49	85.60
22 13 16 00-0391	EA		5" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	193.87 6.42 38.49	85.60
22 13 16 00-0392	EA		6" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	201.14 6.68 40.10	89.18
22 13 16 00-0393	EA		8" x 6" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	385.77 9.02 54.13	120.37
<b>22 13 16 00-0394</b>			<b>No Hub Cast Iron Sanitary Tapped Tees</b> (22 13 16 00-0278)		
22 13 16 00-0395	EA		2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.61 2.05 12.31	27.38
22 13 16 00-0396	EA		3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.14 2.35 14.11	31.33
22 13 16 00-0397	EA		4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.78 3.11 18.66	41.47
<b>22 13 16 00-0398</b>			<b>No Hub Cast Iron Cleanout Tees</b> (22 13 16 00-0278)		
22 13 16 00-0399	EA		2" No Hub Cast Iron Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.55 2.05 12.31	27.38
22 13 16 00-0400	EA		3" No Hub Cast Iron Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.37 2.35 14.11	31.33
22 13 16 00-0401	EA		4" No Hub Cast Iron Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.23 3.11 18.66	41.47
22 13 16 00-0402	EA		6" No Hub Cast Iron Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	171.86 4.59 27.55	61.23
<b>22 13 16 00-0403</b>			<b>No Hub Cast Iron Two-Way Cleanout Tees</b> (22 13 16 00-0278)		
22 13 16 00-0404	EA		4" No Hub Cast Iron Single Two-Way Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	237.68 6.03 36.16	80.41
22 13 16 00-0405	EA		4" No Hub Cast Iron Double Two-Way Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	291.98 9.16 54.96	122.17
<b>22 13 16 00-0406</b>			<b>No Hub Cast Iron Cleanout Plugs</b> (22 13 16 00-0278)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0407 EA 2" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.20 2.05 12.31	27.38
22 13 16 00-0408 EA 3" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.73 2.35 14.11	31.33
22 13 16 00-0409 EA 4" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.61 3.11 18.66	41.47
22 13 16 00-0410 EA 6" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.22 4.59 27.55	61.23
22 13 16 00-0411 EA 8" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	167.78 6.03 36.16	80.41
<b>22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses</b> (22 13 16 00-0278)		
22 13 16 00-0413 EA 1-1/2" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.19 4.05 24.31	54.00
22 13 16 00-0414 EA 2" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.30 4.19 25.16	55.92
22 13 16 00-0415 EA 3" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.48 4.59 27.55	61.23
22 13 16 00-0416 EA 4" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	198.80 6.03 36.16	80.41
<b>22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses</b> (22 13 16 00-0278)		
22 13 16 00-0418 EA 3" x 2" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	145.16 5.39 32.31	71.83
22 13 16 00-0419 EA 4" x 2" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	163.79 5.54 33.26	73.96
22 13 16 00-0420 EA 4" x 3" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	179.58 5.79 34.72	77.24
<b>22 13 16 00-0421 No Hub Cast Iron Reducers</b> (22 13 16 00-0278)		
22 13 16 00-0422 EA 3" x 2" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	92.72 4.19 25.16	55.92
22 13 16 00-0423 EA 4" x 2" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.98 5.67 34.03	75.69
22 13 16 00-0424 EA 4" x 3" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	127.39 5.67 34.03	75.69
22 13 16 00-0425 EA 5" x 2" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	148.18 6.42 38.49	85.60
22 13 16 00-0426 EA 5" x 3" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.92 6.42 38.49	85.60
22 13 16 00-0427 EA 5" x 4" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	152.01 6.42 38.49	85.60
22 13 16 00-0428 EA 6" x 3" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	176.85 7.13 42.77	95.13
22 13 16 00-0429 EA 6" x 4" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	177.27 7.13 42.77	95.13
22 13 16 00-0430 EA 6" x 5" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	178.51 7.13 42.77	95.13
22 13 16 00-0431 EA 8" x 2" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	245.37 9.98 59.90	133.19
22 13 16 00-0432 EA 8" x 3" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	248.54 9.98 59.90	133.19
22 13 16 00-0433 EA 8" x 4" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	253.62 9.98 59.90	133.19
22 13 16 00-0434 EA 8" x 5" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	258.91 9.98 59.90	133.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0435 EA 8" x 6" No Hub Cast Iron Reducer .....	259.53	133.19
For Below Ground Installation, Add	9.98	
For Work In Restricted Working Space, Add	59.90	
22 13 16 00-0436 EA 10" x 4" No Hub Cast Iron Reducer .....	308.73	140.49
For Below Ground Installation, Add	10.53	
For Work In Restricted Working Space, Add	63.18	
22 13 16 00-0437 EA 10" x 6" No Hub Cast Iron Reducer .....	329.92	146.66
For Below Ground Installation, Add	11.00	
For Work In Restricted Working Space, Add	65.99	
22 13 16 00-0438 EA 10" x 8" No Hub Cast Iron Reducer .....	370.42	159.21
For Below Ground Installation, Add	11.93	
For Work In Restricted Working Space, Add	71.60	
<b>22 13 16 00-0439 No Hub Cast Iron Blind Plugs (22 13 16 00-0278)</b>		
22 13 16 00-0440 EA 1-1/2" No Hub Cast Iron Blind Plug.....	24.76	13.13
For Below Ground Installation, Add	0.98	
For Work In Restricted Working Space, Add	5.90	
22 13 16 00-0441 EA 2" No Hub Cast Iron Blind Plug.....	25.40	13.69
For Below Ground Installation, Add	1.03	
For Work In Restricted Working Space, Add	6.16	
22 13 16 00-0442 EA 3" No Hub Cast Iron Blind Plug.....	32.18	15.72
For Below Ground Installation, Add	1.18	
For Work In Restricted Working Space, Add	7.06	
22 13 16 00-0443 EA 4" No Hub Cast Iron Blind Plug.....	42.70	20.73
For Below Ground Installation, Add	1.55	
For Work In Restricted Working Space, Add	9.32	
22 13 16 00-0444 EA 5" No Hub Cast Iron Blind Plug.....	56.86	23.56
For Below Ground Installation, Add	1.76	
For Work In Restricted Working Space, Add	10.58	
22 13 16 00-0445 EA 6" No Hub Cast Iron Blind Plug.....	63.21	27.58
For Below Ground Installation, Add	2.07	
For Work In Restricted Working Space, Add	12.43	
22 13 16 00-0446 EA 8" No Hub Cast Iron Blind Plug.....	122.17	35.66
For Below Ground Installation, Add	2.67	
For Work In Restricted Working Space, Add	16.04	
22 13 16 00-0447 EA 10" No Hub Cast Iron Blind Plug.....	156.37	38.38
For Below Ground Installation, Add	2.88	
For Work In Restricted Working Space, Add	17.27	
<b>22 13 16 00-0448 No Hub Cast Iron P-Traps (22 13 16 00-0278)</b>		
22 13 16 00-0449 EA 2" No Hub Cast Iron P-Trap.....	59.03	27.38
For Below Ground Installation, Add	2.05	
For Work In Restricted Working Space, Add	12.31	
22 13 16 00-0450 EA 3" No Hub Cast Iron P-Trap.....	88.06	31.33
For Below Ground Installation, Add	2.35	
For Work In Restricted Working Space, Add	14.11	
22 13 16 00-0451 EA 4" No Hub Cast Iron P-Trap.....	133.47	41.47
For Below Ground Installation, Add	3.11	
For Work In Restricted Working Space, Add	18.66	
22 13 16 00-0452 EA 5" No Hub Cast Iron P-Trap.....	232.97	46.65
For Below Ground Installation, Add	3.50	
For Work In Restricted Working Space, Add	20.97	
22 13 16 00-0453 EA 6" No Hub Cast Iron P-Trap.....	246.63	55.63
For Below Ground Installation, Add	4.17	
For Work In Restricted Working Space, Add	25.02	
<b>22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps (22 13 16 00-0278)</b>		
22 13 16 00-0455 EA 2" No Hub Cast Iron Deep Seal P-Trap .....	95.07	34.81
For Below Ground Installation, Add	2.61	
For Work In Restricted Working Space, Add	15.64	
22 13 16 00-0456 EA 3" No Hub Cast Iron Deep Seal P-Trap .....	137.89	46.28
For Below Ground Installation, Add	3.47	
For Work In Restricted Working Space, Add	20.81	
22 13 16 00-0457 EA 4" No Hub Cast Iron Deep Seal P-Trap .....	201.56	61.13
For Below Ground Installation, Add	4.58	
For Work In Restricted Working Space, Add	27.48	
<b>22 13 16 00-0458 No Hub Cast Iron Closet Flanges (22 13 16 00-0278)</b>		
22 13 16 00-0459 EA 4" No Hub Cast Iron Closet Flange.....	90.73	41.47
For Below Ground Installation, Add	3.11	
For Work In Restricted Working Space, Add	18.66	
22 13 16 00-0460 EA 4" x 2-1/2" No Hub Cast Iron Offset Closet Flange .....	96.65	41.47
For Below Ground Installation, Add	3.11	
For Work In Restricted Working Space, Add	18.66	
<b>22 13 16 00-0461 No Hub Cast Iron Closet Bends (22 13 16 00-0278)</b>		
22 13 16 00-0462 EA 4" x 16" No Hub Cast Iron Closet Bend .....	173.87	41.47
For Below Ground Installation, Add	3.11	
For Work In Restricted Working Space, Add	18.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 13 16 00-0463 No Hub Cast Iron Threaded Adapter</b> <small>(22 13 16 00-0278)</small>		
22 13 16 00-0464 EA 1-1/4" No Hub Cast Iron Threaded Adapter.....	67.58	34.81
<i>For Below Ground Installation, Add</i>	2.61	
<i>For Work In Restricted Working Space, Add</i>	15.64	
22 13 16 00-0465 EA 1-1/2" No Hub Cast Iron Threaded Adapter.....	72.35	34.81
<i>For Below Ground Installation, Add</i>	2.61	
<i>For Work In Restricted Working Space, Add</i>	15.64	
<b>22 13 16 00-0466 No Hub Couplings</b> <small>(22 13 16 00-0278)</small>		
<i>Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH).</i>		
22 13 16 00-0467 EA 1-1/2" No Hub Coupling.....	18.04	
<i>For Medium Duty (Fernco MD-2000), Add</i>	2.35	
<i>For Heavy Duty (Fernco HD-4000), Add</i>	4.87	
22 13 16 00-0468 EA 2" No Hub Coupling.....	18.04	
<i>For Medium Duty (Fernco MD-2000), Add</i>	2.35	
<i>For Heavy Duty (Fernco HD-4000), Add</i>	4.87	
22 13 16 00-0469 EA 3" No Hub Coupling.....	21.41	
<i>For Medium Duty (Fernco MD-2000), Add</i>	2.78	
<i>For Heavy Duty (Fernco HD-4000), Add</i>	5.78	
22 13 16 00-0470 EA 4" No Hub Coupling.....	25.42	
<i>For Medium Duty (Fernco MD-2000), Add</i>	3.30	
<i>For Heavy Duty (Fernco HD-4000), Add</i>	6.86	
22 13 16 00-0471 EA 5" No Hub Coupling.....	58.78	
<i>For Medium Duty (Fernco MD-2000), Add</i>	7.64	
<i>For Heavy Duty (Fernco HD-4000), Add</i>	15.87	
22 13 16 00-0472 EA 6" No Hub Coupling.....	64.58	
<i>For Medium Duty (Fernco MD-2000), Add</i>	8.40	
<i>For Heavy Duty (Fernco HD-4000), Add</i>	17.44	
22 13 16 00-0473 EA 8" No Hub Coupling.....	121.67	
<i>For Medium Duty (Fernco MD-2000), Add</i>	15.82	
<i>For Heavy Duty (Fernco HD-4000), Add</i>	32.85	
22 13 16 00-0474 EA 10" No Hub Coupling.....	167.61	
<i>For Medium Duty (Fernco MD-2000), Add</i>	21.79	
<i>For Heavy Duty (Fernco HD-4000), Add</i>	45.25	
22 13 16 00-0475 EA 2" x 1-1/2" No Hub Reducing Coupling.....	21.41	
22 13 16 00-0476 EA 3" x 2" No Hub Reducing Coupling.....	33.20	
22 13 16 00-0477 EA 4" x 2" No Hub Reducing Coupling.....	46.32	
22 13 16 00-0478 EA 4" x 3" No Hub Reducing Coupling.....	39.47	
<b>22 13 16 00-0479 Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts</b> <small>(22 13 16 00-0278)</small>		
<i>Note: For underground connections. See CSI section 22 13 16 00-0870 for additional FERNCO couplings.</i>		
22 13 16 00-0480 EA 1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	34.17	
22 13 16 00-0481 EA 2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	35.27	
22 13 16 00-0482 EA 3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	37.03	
22 13 16 00-0483 EA 4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	43.20	
22 13 16 00-0484 EA 5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	81.56	
22 13 16 00-0485 EA 6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	111.98	
22 13 16 00-0486 EA 8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	196.19	
22 13 16 00-0487 EA 10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	299.79	
<b>22 13 16 00-0488 Cut And Prepare Existing Pipe In-Place</b> <small>(22 13 16 00-0268)</small>		
<i>Note: For use when connecting pipe to an existing in-place system.</i>		
22 13 16 00-0489 EA Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub.....	9.42	
<i>For Work In Restricted Working Space, Add</i>	2.83	
22 13 16 00-0490 EA Cut And Prepare 2" Cast Iron Pipe, No Hub.....	11.52	
<i>For Work In Restricted Working Space, Add</i>	3.46	
22 13 16 00-0491 EA Cut And Prepare 3" Cast Iron Pipe, No Hub.....	12.57	
<i>For Work In Restricted Working Space, Add</i>	3.77	
22 13 16 00-0492 EA Cut And Prepare 4" Cast Iron Pipe, No Hub.....	15.71	
<i>For Work In Restricted Working Space, Add</i>	4.71	
22 13 16 00-0493 EA Cut And Prepare 6" Cast Iron Pipe, No Hub.....	18.84	
<i>For Work In Restricted Working Space, Add</i>	5.65	
22 13 16 00-0494 EA Cut And Prepare 8" Cast Iron Pipe, No Hub.....	25.13	
<i>For Work In Restricted Working Space, Add</i>	7.54	
22 13 16 00-0495 EA Cut And Prepare 10" Cast Iron Pipe, No Hub.....	29.32	
<i>For Work In Restricted Working Space, Add</i>	8.80	
<b>22 13 16 00-0496 Copper Drain-Waste-Vent (DWV) Pipe</b> <small>(22 13 16)</small>		
<i>See CSI section 22 11 16 00-0436 for copper and brass fittings.</i>		
22 13 16 00-0497 LF 1-1/4" Hard Drawn DWV Copper Tube/Pipe.....	18.02	4.53
22 13 16 00-0498 LF 1-1/2" Hard Drawn DWV Copper Tube/Pipe.....	21.68	5.06
22 13 16 00-0499 LF 2" Hard Drawn DWV Copper Tube/Pipe.....	28.05	6.24
22 13 16 00-0500 LF 3" Hard Drawn DWV Copper Tube/Pipe.....	58.51	8.65
22 13 16 00-0501 LF 4" Hard Drawn DWV Copper Tube/Pipe.....	84.01	9.76
22 13 16 00-0502 LF 5" Hard Drawn DWV Copper Tube/Pipe.....	172.93	11.20
22 13 16 00-0503 LF 6" Hard Drawn DWV Copper Tube/Pipe.....	245.30	17.36



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 13 16 00-0504		Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings <sup>(22 13 16)</sup> Note: Aboveground installation. See CSI section 33 31 11 00-0002 for underground installation.		
22 13 16 00-0505		Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies <sup>(22 13 16 00-0504)</sup>		
22 13 16 00-0506		Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies <sup>(22 13 16 00-0505)</sup> Note: Includes all fittings. Fittings are assumed every 20'. Excludes excavation, backfill and compaction. Not for use where detail is available. Not for use where detail is available.		
22 13 16 00-0507	LF	1-1/2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	10.86	
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	2.26	
22 13 16 00-0508	LF	2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	13.06	
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	2.75	
22 13 16 00-0509	LF	3" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	21.25	
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	3.89	
22 13 16 00-0510	LF	4" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	27.14	
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	4.28	
22 13 16 00-0511	LF	6" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	48.01	
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	5.51	
22 13 16 00-0512	LF	8" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	68.55	
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	7.37	
22 13 16 00-0513	LF	10" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	99.11	
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	9.83	
22 13 16 00-0514		Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies <sup>(22 13 16 00-0505)</sup> Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0515	LF	1-1/2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....	22.08	4.05
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	4.64	
22 13 16 00-0516	LF	2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....	24.79	4.82
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	5.16	
22 13 16 00-0517	LF	3" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....	35.00	6.95
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	6.41	
22 13 16 00-0518	LF	4" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....	43.71	7.52
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	7.01	
22 13 16 00-0519	LF	6" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....	67.85	9.64
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	8.97	
22 13 16 00-0520	LF	8" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....	88.88	12.82
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	10.28	
22 13 16 00-0521	LF	10" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....	125.03	17.16
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	13.40	
22 13 16 00-0522		Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <sup>(22 13 16 00-0504)</sup> Note: Excludes fittings or hangers.		
22 13 16 00-0523		Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) <sup>(22 13 16 00-0522)</sup> Note: Excludes fittings or hangers.		
22 13 16 00-0524	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	8.34	4.05
		<i>For Work In Restricted Working Space, Add</i>	1.81	
22 13 16 00-0525	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	10.26	4.82
		<i>For Work In Restricted Working Space, Add</i>	2.17	
22 13 16 00-0526	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	16.44	6.95
		<i>For Work In Restricted Working Space, Add</i>	3.11	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				22 13 16 00-0527 LF 4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	19.83 3.38	7.52
				22 13 16 00-0528 LF 6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	29.06 4.12	9.16
				22 13 16 00-0529 LF 8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	41.57 5.50	12.19
				22 13 16 00-0530 LF 10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	60.04 7.33	16.31
<b>22 13 16 00-0531</b>				<b>Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891)</b> <small>(22 13 16 00-0522)</small> Note: Excludes fittings or hangers.		
				22 13 16 00-0532 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	7.66 1.81	4.05
				22 13 16 00-0533 LF 2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	9.44 2.17	4.82
				22 13 16 00-0534 LF 3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	14.89 3.11	6.95
				22 13 16 00-0535 LF 4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	17.78 3.38	7.52
				22 13 16 00-0536 LF 6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	25.24 4.12	9.16
				22 13 16 00-0537 LF 8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	36.21 5.50	12.19
				22 13 16 00-0538 LF 10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	54.21 7.33	16.31
<b>22 13 16 00-0539</b>				<b>Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665)</b> <small>(22 13 16 00-0504)</small>		
<b>22 13 16 00-0540</b>				<b>Polyvinyl Chloride (PVC) DWV 1/4 Bends</b> <small>(22 13 16 00-0539)</small>		
				22 13 16 00-0541 EA 1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	29.74 7.23	16.10
				22 13 16 00-0542 EA 2" Polyvinyl Chloride (PVC) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	38.01 9.26	20.54
				22 13 16 00-0543 EA 3" Polyvinyl Chloride (PVC) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	63.68 12.44	27.57
				22 13 16 00-0544 EA 4" Polyvinyl Chloride (PVC) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	95.34 14.46	32.11
				22 13 16 00-0545 EA 6" Polyvinyl Chloride (PVC) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	349.48 18.80	41.75
				22 13 16 00-0546 EA 8" Polyvinyl Chloride (PVC) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	575.64 25.31	56.22
				22 13 16 00-0547 EA 10" Polyvinyl Chloride (PVC) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	760.18 33.74	74.92
<b>22 13 16 00-0548</b>				<b>Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends</b> <small>(22 13 16 00-0539)</small>		
				22 13 16 00-0549 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	45.56 7.23	16.10
				22 13 16 00-0550 EA 2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	47.11 9.26	20.54
				22 13 16 00-0551 EA 3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	87.09 12.44	27.57
				22 13 16 00-0552 EA 4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	138.25 14.46	32.11
				22 13 16 00-0553 EA 6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	266.60 18.80	41.75
				22 13 16 00-0554 EA 8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	466.72 25.31	56.22
				22 13 16 00-0555 EA 10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	758.22 33.74	74.92
<b>22 13 16 00-0556</b>				<b>Polyvinyl Chloride (PVC) DWV 1/8 Bends</b> <small>(22 13 16 00-0539)</small>		
				22 13 16 00-0557 EA 1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	31.04 7.23	16.10
				22 13 16 00-0558 EA 2" Polyvinyl Chloride (PVC) DWV 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	37.90 9.26	20.54
				22 13 16 00-0559 EA 3" Polyvinyl Chloride (PVC) DWV 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	61.73 12.44	27.57
				22 13 16 00-0560 EA 4" Polyvinyl Chloride (PVC) DWV 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	85.81 14.46	32.11
				22 13 16 00-0561 EA 6" Polyvinyl Chloride (PVC) DWV 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	325.21 18.80	41.75
				22 13 16 00-0562 EA 8" Polyvinyl Chloride (PVC) DWV 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	519.23 25.31	56.22
				22 13 16 00-0563 EA 10" Polyvinyl Chloride (PVC) DWV 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	594.24 33.74	74.92
<b>22 13 16 00-0564</b>				<b>Polyvinyl Chloride (PVC) DWV Sanitary Tees</b> <small>(22 13 16 00-0539)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0565	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees.....	46.24	24.11
			<i>For Work In Restricted Working Space, Add</i>	10.85	
22 13 16 00-0566	EA		2" Polyvinyl Chloride (PVC) DWV Sanitary Tees .....	60.69	30.86
			<i>For Work In Restricted Working Space, Add</i>	13.88	
22 13 16 00-0567	EA		3" Polyvinyl Chloride (PVC) DWV Sanitary Tees .....	100.54	41.47
			<i>For Work In Restricted Working Space, Add</i>	18.66	
22 13 16 00-0568	EA		4" Polyvinyl Chloride (PVC) DWV Sanitary Tees .....	145.46	48.21
			<i>For Work In Restricted Working Space, Add</i>	21.70	
22 13 16 00-0569	EA		6" Polyvinyl Chloride (PVC) DWV Sanitary Tees .....	519.41	62.58
			<i>For Work In Restricted Working Space, Add</i>	28.20	
22 13 16 00-0570	EA		8" Polyvinyl Chloride (PVC) DWV Sanitary Tees .....	676.49	84.27
			<i>For Work In Restricted Working Space, Add</i>	37.97	
<b>22 13 16 00-0571</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees</b> <small>(22 13 16 00-0539)</small>		
22 13 16 00-0572	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	57.73	26.32
			<i>For Work In Restricted Working Space, Add</i>	11.86	
22 13 16 00-0573	EA		2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	68.05	28.54
			<i>For Work In Restricted Working Space, Add</i>	12.87	
22 13 16 00-0574	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	57.32	28.54
			<i>For Work In Restricted Working Space, Add</i>	12.87	
22 13 16 00-0575	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	82.87	35.68
			<i>For Work In Restricted Working Space, Add</i>	16.05	
22 13 16 00-0576	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	84.84	37.90
			<i>For Work In Restricted Working Space, Add</i>	17.07	
22 13 16 00-0577	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	99.71	40.11
			<i>For Work In Restricted Working Space, Add</i>	18.08	
22 13 16 00-0578	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	162.78	42.42
			<i>For Work In Restricted Working Space, Add</i>	19.09	
22 13 16 00-0579	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	203.73	45.90
			<i>For Work In Restricted Working Space, Add</i>	20.68	
22 13 16 00-0580	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	498.18	57.76
			<i>For Work In Restricted Working Space, Add</i>	26.03	
22 13 16 00-0581	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	1,540.52	72.22
			<i>For Work In Restricted Working Space, Add</i>	32.54	
22 13 16 00-0582	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	1,593.93	77.04
			<i>For Work In Restricted Working Space, Add</i>	34.71	
<b>22 13 16 00-0583</b>			<b>Polyvinyl Chloride (PVC) DWV Double Sanitary Tees</b> <small>(22 13 16 00-0539)</small>		
22 13 16 00-0584	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	78.55	32.11
			<i>For Work In Restricted Working Space, Add</i>	14.46	
22 13 16 00-0585	EA		2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	106.13	41.07
			<i>For Work In Restricted Working Space, Add</i>	18.51	
22 13 16 00-0586	EA		3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	207.52	55.25
			<i>For Work In Restricted Working Space, Add</i>	24.88	
22 13 16 00-0587	EA		4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	296.76	64.22
			<i>For Work In Restricted Working Space, Add</i>	28.93	
<b>22 13 16 00-0588</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees</b> <small>(22 13 16 00-0539)</small>		
22 13 16 00-0589	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee .....	95.12	36.64
			<i>For Work In Restricted Working Space, Add</i>	16.49	
22 13 16 00-0590	EA		3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee .....	159.89	43.68
			<i>For Work In Restricted Working Space, Add</i>	19.67	
22 13 16 00-0591	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee .....	184.07	48.21
			<i>For Work In Restricted Working Space, Add</i>	21.70	
22 13 16 00-0592	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee .....	325.17	52.65
			<i>For Work In Restricted Working Space, Add</i>	23.72	
22 13 16 00-0593	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee .....	342.54	59.68
			<i>For Work In Restricted Working Space, Add</i>	26.90	
<b>22 13 16 00-0594</b>			<b>Polyvinyl Chloride (PVC) DWV Reducers</b> <small>(22 13 16 00-0539)</small>		
22 13 16 00-0595	EA		2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers.....	38.75	18.32
			<i>For Work In Restricted Working Space, Add</i>	8.24	
22 13 16 00-0596	EA		3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers.....	68.76	21.79
			<i>For Work In Restricted Working Space, Add</i>	9.84	
22 13 16 00-0597	EA		3" x 2" Polyvinyl Chloride (PVC) DWV Reducers.....	66.28	24.11
			<i>For Work In Restricted Working Space, Add</i>	10.85	
22 13 16 00-0598	EA		4" x 2" Polyvinyl Chloride (PVC) DWV Reducers.....	99.12	26.32
			<i>For Work In Restricted Working Space, Add</i>	11.86	
22 13 16 00-0599	EA		4" x 3" Polyvinyl Chloride (PVC) DWV Reducers.....	107.13	29.89
			<i>For Work In Restricted Working Space, Add</i>	13.45	
22 13 16 00-0600	EA		6" x 3" Polyvinyl Chloride (PVC) DWV Reducers.....	366.82	34.71
			<i>For Work In Restricted Working Space, Add</i>	15.62	
22 13 16 00-0601	EA		6" x 4" Polyvinyl Chloride (PVC) DWV Reducers.....	308.22	36.93
			<i>For Work In Restricted Working Space, Add</i>	16.63	
22 13 16 00-0602	EA		8" x 4" Polyvinyl Chloride (PVC) DWV Reducers.....	759.90	44.16
			<i>For Work In Restricted Working Space, Add</i>	19.89	
22 13 16 00-0603	EA		8" x 6" Polyvinyl Chloride (PVC) DWV Reducers.....	644.21	48.99
			<i>For Work In Restricted Working Space, Add</i>	22.06	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0604	EA			10" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	864.33 26.27	58.33
22 13 16 00-0605	EA			10" x 8" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	681.14 29.53	65.57
<b>22 13 16 00-0606</b>				<b>Polyvinyl Chloride (PVC) DWV P-Traps</b> (22 13 16 00-0539)		
22 13 16 00-0607	EA			1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	55.88 10.85	24.11
22 13 16 00-0608	EA			2" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	73.15 13.88	30.86
22 13 16 00-0609	EA			3" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	196.00 18.66	41.47
22 13 16 00-0610	EA			4" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	390.97 21.70	48.21
22 13 16 00-0611	EA			6" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	657.42 28.20	62.58
<b>22 13 16 00-0612</b>				<b>Polyvinyl Chloride (PVC) DWV Closet Flanges</b> (22 13 16 00-0539)		
22 13 16 00-0613	EA			4" Polyvinyl Chloride (PVC) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	86.02 14.46	32.11
22 13 16 00-0614	EA			4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	71.27 13.45	29.89
<b>22 13 16 00-0615</b>				<b>Polyvinyl Chloride (PVC) DWV Wyes</b> (22 13 16 00-0539)		
22 13 16 00-0616	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	56.31 10.85	24.11
22 13 16 00-0617	EA			2" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	66.54 13.88	30.86
22 13 16 00-0618	EA			3" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	108.02 18.66	41.47
22 13 16 00-0619	EA			4" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	157.70 21.70	48.21
22 13 16 00-0620	EA			6" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	473.47 28.20	62.58
22 13 16 00-0621	EA			8" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	589.22 37.97	84.27
22 13 16 00-0622	EA			10" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	775.84 50.62	112.33
<b>22 13 16 00-0623</b>				<b>Polyvinyl Chloride (PVC) DWV Reducing Wyes</b> (22 13 16 00-0539)		
22 13 16 00-0624	EA			2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	75.50 11.86	26.32
22 13 16 00-0625	EA			2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	78.56 12.87	28.54
22 13 16 00-0626	EA			3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	109.51 16.05	35.68
22 13 16 00-0627	EA			3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	92.32 17.07	37.90
22 13 16 00-0628	EA			4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	149.18 18.08	40.11
22 13 16 00-0629	EA			4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	132.22 19.09	42.42
22 13 16 00-0630	EA			4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	149.01 20.68	45.90
22 13 16 00-0631	EA			6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	427.64 25.02	55.54
22 13 16 00-0632	EA			6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	527.04 26.03	57.76
22 13 16 00-0633	EA			8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	505.02 32.54	72.22
22 13 16 00-0634	EA			8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	634.57 34.71	77.04
22 13 16 00-0635	EA			10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	583.36 40.98	90.93
22 13 16 00-0636	EA			10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	723.46 43.15	95.75
22 13 16 00-0637	EA			10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	840.42 46.40	102.97
<b>22 13 16 00-0638</b>				<b>Polyvinyl Chloride (PVC) DWV Double Wyes</b> (22 13 16 00-0539)		
22 13 16 00-0639	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	91.12 14.46	32.11
22 13 16 00-0640	EA			2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	116.86 18.51	41.07
22 13 16 00-0641	EA			3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	225.40 24.88	55.25
22 13 16 00-0642	EA			4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	385.28 28.93	64.22



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22 13 16 00-0643	EA		6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	779.53 37.60	83.50
22 13 16 00-0644	EA		8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	907.05 50.62	112.43
22 13 16 00-0645	EA		10" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,401.45 67.49	149.84
<b>22 13 16 00-0646</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Double Wyes</b> (22 13 16 00-0539)		
22 13 16 00-0647	EA		2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	105.34 16.49	36.64
22 13 16 00-0648	EA		3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	190.59 19.67	43.68
22 13 16 00-0649	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	178.39 21.70	48.21
22 13 16 00-0650	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	252.23 23.72	52.65
22 13 16 00-0651	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	318.40 26.90	59.68
22 13 16 00-0652	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	486.55 33.27	73.86
22 13 16 00-0653	EA		8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	570.02 39.77	88.32
22 13 16 00-0654	EA		8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	722.14 44.11	97.96
22 13 16 00-0655	EA		10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	763.80 48.21	107.03
22 13 16 00-0656	EA		10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	986.54 52.55	116.67
22 13 16 00-0657	EA		10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,190.72 59.06	131.13
<b>22 13 16 00-0658</b>			<b>Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends</b> (22 13 16 00-0539)		
22 13 16 00-0659	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	68.88 10.85	24.11
22 13 16 00-0660	EA		2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	86.15 13.88	30.86
22 13 16 00-0661	EA		3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	166.96 18.66	41.47
22 13 16 00-0662	EA		4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	289.88 21.70	48.21
<b>22 13 16 00-0663</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends</b> (22 13 16 00-0539)		
22 13 16 00-0664	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	125.47 12.87	28.54
22 13 16 00-0665	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	196.95 16.05	35.68
22 13 16 00-0666	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	146.54 17.07	37.90
22 13 16 00-0667	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	263.08 19.09	42.42
22 13 16 00-0668	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	284.96 20.68	45.90
<b>22 13 16 00-0669</b>			<b>Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends</b> (22 13 16 00-0539)		
22 13 16 00-0670	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	100.87 14.46	32.11
22 13 16 00-0671	EA		2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	117.94 18.51	41.07
22 13 16 00-0672	EA		3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	180.65 24.88	55.25
22 13 16 00-0673	EA		4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	611.29 28.93	64.22
22 13 16 00-0674	EA		6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	1,994.59 37.60	83.50
<b>22 13 16 00-0675</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends</b> (22 13 16 00-0539)		
22 13 16 00-0676	EA		2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	227.26 16.49	36.64
22 13 16 00-0677	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	364.23 21.70	48.21
22 13 16 00-0678	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	623.10 23.72	52.65
22 13 16 00-0679	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	565.80 26.90	59.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0680 EA 6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	1,332.07 33.27	73.86
<b>22 13 16 00-0681 Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug (22 13 16 00-0539)</b>		
22 13 16 00-0682 EA 2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	142.19 13.88	30.86
22 13 16 00-0683 EA 3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	245.42 18.66	41.47
22 13 16 00-0684 EA 4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	391.03 21.70	48.21
22 13 16 00-0685 EA 6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	1,020.09 28.20	62.58
22 13 16 00-0686 EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	1,279.58 37.97	84.27
22 13 16 00-0687 EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	1,698.12 50.62	112.33
<b>22 13 16 00-0688 Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug (22 13 16 00-0539)</b>		
22 13 16 00-0689 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	40.69 7.23	16.10
22 13 16 00-0690 EA 2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	57.62 9.26	20.54
22 13 16 00-0691 EA 3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	82.64 12.44	27.57
22 13 16 00-0692 EA 4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	144.96 14.46	32.11
22 13 16 00-0693 EA 6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	328.24 18.80	41.75
22 13 16 00-0694 EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	731.93 25.31	56.22
22 13 16 00-0695 EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	1,344.30 33.73	74.92
<b>22 13 16 00-0696 Polyvinyl Chloride (PVC) Couplings (22 13 16 00-0539)</b>		
22 13 16 00-0697 EA 1-1/2" Polyvinyl Chloride (PVC) Couplings ..... <i>For Work In Restricted Working Space, Add</i>	29.02 7.23	16.10
22 13 16 00-0698 EA 2" Polyvinyl Chloride (PVC) Couplings ..... <i>For Work In Restricted Working Space, Add</i>	36.39 9.26	20.54
22 13 16 00-0699 EA 3" Polyvinyl Chloride (PVC) Couplings ..... <i>For Work In Restricted Working Space, Add</i>	55.59 12.44	27.57
22 13 16 00-0700 EA 4" Polyvinyl Chloride (PVC) Couplings ..... <i>For Work In Restricted Working Space, Add</i>	71.42 14.46	32.11
22 13 16 00-0701 EA 6" Polyvinyl Chloride (PVC) Couplings ..... <i>For Work In Restricted Working Space, Add</i>	190.77 18.80	41.75
22 13 16 00-0702 EA 8" Polyvinyl Chloride (PVC) Couplings ..... <i>For Work In Restricted Working Space, Add</i>	454.38 25.31	56.22
22 13 16 00-0703 EA 10" Polyvinyl Chloride (PVC) Couplings ..... <i>For Work In Restricted Working Space, Add</i>	685.87 33.75	74.92
<b>22 13 16 00-0704 Polyvinyl Chloride (PVC) Male Adapters (22 13 16 00-0539)</b>		
22 13 16 00-0705 EA 1-1/2" Polyvinyl Chloride (PVC) Male Adapters ..... <i>For Work In Restricted Working Space, Add</i>	17.03 3.62	8.00
22 13 16 00-0706 EA 2" Polyvinyl Chloride (PVC) Male Adapters ..... <i>For Work In Restricted Working Space, Add</i>	27.65 4.63	10.31
22 13 16 00-0707 EA 3" Polyvinyl Chloride (PVC) Male Adapters ..... <i>For Work In Restricted Working Space, Add</i>	54.65 6.22	13.79
22 13 16 00-0708 EA 4" Polyvinyl Chloride (PVC) Male Adapters ..... <i>For Work In Restricted Working Space, Add</i>	101.85 7.23	16.10
<b>22 13 16 00-0709 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0504)</b>		
Note: In place piping.		
22 13 16 00-0710 EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	7.06	
22 13 16 00-0711 EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	7.78	
22 13 16 00-0712 EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	9.89	
22 13 16 00-0713 EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	13.35	
22 13 16 00-0714 EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	19.07	
22 13 16 00-0715 EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	25.44	
22 13 16 00-0716 EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	31.11	
<b>22 13 16 00-0717 Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16)</b>		
Note: Aboveground installation.		
<b>22 13 16 00-0718 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies (22 13 16 00-0717)</b>		
Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0719	LF		1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	23.32 5.55	4.05
22 13 16 00-0720	LF		2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	25.92 6.14	4.82
22 13 16 00-0721	LF		3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	35.29 7.63	6.95
22 13 16 00-0722	LF		4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	40.61 8.48	7.52
22 13 16 00-0723	LF		6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	67.36 11.27	9.64
<b>22 13 16 00-0724</b>			<b>Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628)</b> <small>(22 13 16 00-0717)</small> Note: Excludes fittings or hangers.		
22 13 16 00-0725	LF		1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	9.03 1.81	4.05
22 13 16 00-0726	LF		2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	11.25 2.17	4.82
22 13 16 00-0727	LF		3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	18.69 3.11	6.95
22 13 16 00-0728	LF		4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	23.16 3.38	7.52
22 13 16 00-0729	LF		6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	38.01 4.12	9.16
<b>22 13 16 00-0730</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661)</b> <small>(22 13 16 00-0717)</small>		
<b>22 13 16 00-0731</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0732	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	36.87 7.23	16.10
22 13 16 00-0733	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	49.06 9.26	20.54
22 13 16 00-0734	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	97.65 12.44	27.57
22 13 16 00-0735	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	158.28 14.46	32.11
22 13 16 00-0736	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	473.49 18.80	41.75
<b>22 13 16 00-0737</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0738	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	54.52 7.23	16.10
22 13 16 00-0739	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	66.31 9.26	20.54
22 13 16 00-0740	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	140.47 12.44	27.57
22 13 16 00-0741	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	243.49 14.46	32.11
<b>22 13 16 00-0742</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0743	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	39.26 7.23	16.10
22 13 16 00-0744	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	47.39 9.26	20.54
22 13 16 00-0745	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	88.86 12.44	27.57
22 13 16 00-0746	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	142.07 14.46	32.11
22 13 16 00-0747	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	490.59 18.80	41.75
<b>22 13 16 00-0748</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0749	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	57.89 10.85	24.11
22 13 16 00-0750	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	78.95 13.88	30.86



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0751	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	145.43 18.66	41.47
22 13 16 00-0752	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	232.25 21.70	48.21
22 13 16 00-0753	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	960.93 28.20	62.58
<b>22 13 16 00-0754</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0755	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	74.19 11.86	26.32
22 13 16 00-0756	EA		2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	91.58 12.87	28.54
22 13 16 00-0757	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	74.22 12.87	28.54
22 13 16 00-0758	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	117.09 16.05	35.68
22 13 16 00-0759	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	121.05 17.07	37.90
22 13 16 00-0760	EA		4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	290.78 18.08	40.11
22 13 16 00-0761	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	278.82 19.09	42.42
22 13 16 00-0762	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	321.27 20.68	45.90
22 13 16 00-0763	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	1,056.05 26.03	57.76
<b>22 13 16 00-0764</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0765	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	114.23 14.46	32.11
22 13 16 00-0766	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	158.03 18.51	41.07
22 13 16 00-0767	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	353.50 24.88	55.25
22 13 16 00-0768	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	530.09 28.93	64.22
<b>22 13 16 00-0769</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0770	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	129.84 16.49	36.64
22 13 16 00-0771	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	203.48 19.67	43.68
22 13 16 00-0772	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	235.49 21.70	48.21
22 13 16 00-0773	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	434.52 22.55	50.04
22 13 16 00-0774	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	454.53 25.57	56.73
<b>22 13 16 00-0775</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Wyes</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0776	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	79.92 10.85	24.11
22 13 16 00-0777	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	91.20 13.88	30.86
22 13 16 00-0778	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	161.62 18.66	41.47
22 13 16 00-0779	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	257.56 21.70	48.21
22 13 16 00-0780	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	773.75 28.20	62.58
<b>22 13 16 00-0781</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0782	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes ..... <i>For Work In Restricted Working Space, Add</i>	117.60 11.86	26.32
22 13 16 00-0783	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes ..... <i>For Work In Restricted Working Space, Add</i>	120.18 12.87	28.54
22 13 16 00-0784	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	134.16 17.07	37.90
22 13 16 00-0785	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	212.48 19.09	42.42
22 13 16 00-0786	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	242.83 20.68	45.90
22 13 16 00-0787	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	648.38 26.03	57.76



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<b>22 13 16 00-0788</b>	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0789	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	141.27 14.46	32.11
22 13 16 00-0790	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	181.41 18.51	41.07
22 13 16 00-0791	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	392.38 24.88	55.25
22 13 16 00-0792	EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	723.30 28.93	64.22
<b>22 13 16 00-0793</b>	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0794	EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	164.29 16.49	36.64
22 13 16 00-0795	EA 3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	283.85 19.67	43.68
22 13 16 00-0796	EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	302.07 21.70	48.21
22 13 16 00-0797	EA 4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	454.92 23.72	52.65
22 13 16 00-0798	EA 4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	586.13 26.90	59.68
<b>22 13 16 00-0799</b>	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0800	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	106.05 10.85	24.11
22 13 16 00-0801	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	137.11 13.88	30.86
22 13 16 00-0802	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	211.85 18.66	41.47
22 13 16 00-0803	EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	362.54 20.62	45.82
<b>22 13 16 00-0804</b>	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0805	EA 2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	116.47 12.87	28.54
22 13 16 00-0806	EA 3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	227.69 16.05	35.68
22 13 16 00-0807	EA 3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	165.74 17.07	37.90
22 13 16 00-0808	EA 4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	306.10 19.09	42.42
22 13 16 00-0809	EA 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	331.48 20.68	45.90
<b>22 13 16 00-0810</b>	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0811	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	226.15 18.51	41.07
22 13 16 00-0812	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	462.19 24.88	55.25
<b>22 13 16 00-0813</b>	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0814	EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	187.29 16.49	36.64
22 13 16 00-0815	EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	445.12 21.70	48.21
<b>22 13 16 00-0816</b>	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0817	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	118.37 10.85	24.11
22 13 16 00-0818	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	149.42 13.88	30.86
22 13 16 00-0819	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	239.37 18.66	41.47
22 13 16 00-0820	EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	403.51 21.70	48.21
<b>22 13 16 00-0821</b>	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug</b> <small>(22 13 16 00-0730)</small>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0822 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	52.29	16.10
<i>For Work In Restricted Working Space, Add</i>	7.23	
22 13 16 00-0823 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	76.34	20.54
<i>For Work In Restricted Working Space, Add</i>	9.26	
22 13 16 00-0824 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	111.36	27.57
<i>For Work In Restricted Working Space, Add</i>	12.44	
22 13 16 00-0825 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	212.76	32.11
<i>For Work In Restricted Working Space, Add</i>	14.46	
22 13 16 00-0826 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	514.42	41.75
<i>For Work In Restricted Working Space, Add</i>	18.80	
<b>22 13 16 00-0827 Acrylonitrile Butadiene Styrene (ABS) DWV Couplings (22 13 16 00-0730)</b>		
22 13 16 00-0828 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	33.82	16.10
<i>For Work In Restricted Working Space, Add</i>	7.23	
22 13 16 00-0829 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	41.10	20.54
<i>For Work In Restricted Working Space, Add</i>	9.26	
22 13 16 00-0830 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	69.33	27.57
<i>For Work In Restricted Working Space, Add</i>	12.44	
22 13 16 00-0831 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	94.14	32.11
<i>For Work In Restricted Working Space, Add</i>	14.46	
22 13 16 00-0832 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	289.72	41.75
<i>For Work In Restricted Working Space, Add</i>	18.80	
<b>22 13 16 00-0833 Acrylonitrile Butadiene Styrene (ABS) DWV Reducers (22 13 16 00-0730)</b>		
22 13 16 00-0834 EA 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers .....	52.10	18.32
<i>For Work In Restricted Working Space, Add</i>	8.24	
22 13 16 00-0835 EA 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers .....	110.86	21.79
<i>For Work In Restricted Working Space, Add</i>	9.84	
22 13 16 00-0836 EA 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers .....	101.62	24.11
<i>For Work In Restricted Working Space, Add</i>	10.85	
22 13 16 00-0837 EA 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers .....	168.65	26.32
<i>For Work In Restricted Working Space, Add</i>	11.86	
22 13 16 00-0838 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers .....	179.92	29.89
<i>For Work In Restricted Working Space, Add</i>	13.45	
<b>22 13 16 00-0839 Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps (22 13 16 00-0730)</b>		
22 13 16 00-0840 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	83.90	24.11
<i>For Work In Restricted Working Space, Add</i>	10.85	
22 13 16 00-0841 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	123.55	30.86
<i>For Work In Restricted Working Space, Add</i>	13.88	
22 13 16 00-0842 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	416.12	41.47
<i>For Work In Restricted Working Space, Add</i>	18.66	
22 13 16 00-0843 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	797.43	48.21
<i>For Work In Restricted Working Space, Add</i>	21.70	
<b>22 13 16 00-0844 Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges (22 13 16 00-0730)</b>		
22 13 16 00-0845 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges.....	114.87	32.11
<i>For Work In Restricted Working Space, Add</i>	14.46	
22 13 16 00-0846 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges.....	107.35	29.89
<i>For Work In Restricted Working Space, Add</i>	13.45	
<b>22 13 16 00-0847 Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters (22 13 16 00-0730)</b>		
22 13 16 00-0848 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters .....	24.45	8.00
<i>For Work In Restricted Working Space, Add</i>	3.62	
22 13 16 00-0849 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	37.39	10.31
<i>For Work In Restricted Working Space, Add</i>	4.63	
22 13 16 00-0850 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	84.73	13.79
<i>For Work In Restricted Working Space, Add</i>	6.22	
22 13 16 00-0851 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	165.70	16.10
<i>For Work In Restricted Working Space, Add</i>	7.23	
<b>22 13 16 00-0852 Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings (22 13 16 00-0730)</b>		
22 13 16 00-0853 EA 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	37.72	18.32
<i>For Work In Restricted Working Space, Add</i>	8.24	
22 13 16 00-0854 EA 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	88.04	21.79
<i>For Work In Restricted Working Space, Add</i>	9.84	
22 13 16 00-0855 EA 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	71.27	24.11
<i>For Work In Restricted Working Space, Add</i>	10.85	
22 13 16 00-0856 EA 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	166.87	26.32
<i>For Work In Restricted Working Space, Add</i>	11.86	
22 13 16 00-0857 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	118.63	29.89
<i>For Work In Restricted Working Space, Add</i>	13.45	
22 13 16 00-0858 EA 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	342.07	35.10
<i>For Work In Restricted Working Space, Add</i>	15.81	



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TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 13 16 00-0859	<b>Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0860	EA 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	105.37	16.10
	<i>For Work In Restricted Working Space, Add</i>	7.23	
22 13 16 00-0861	EA 2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	117.54	20.54
	<i>For Work In Restricted Working Space, Add</i>	9.26	
22 13 16 00-0862	EA 3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	133.57	27.57
	<i>For Work In Restricted Working Space, Add</i>	12.44	
22 13 16 00-0863	EA 4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	145.73	32.11
	<i>For Work In Restricted Working Space, Add</i>	14.46	
22 13 16 00-0864	<b>Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe</b> <small>(22 13 16 00-0717)</small>		
	Note: In place piping.		
22 13 16 00-0865	EA 1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	7.06	
22 13 16 00-0866	EA 2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	7.78	
22 13 16 00-0867	EA 3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	9.89	
22 13 16 00-0868	EA 4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	13.35	
22 13 16 00-0869	EA 6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	19.07	
22 13 16 00-0870	<b>Elastomeric Flexible Pipe Couplings</b> <small>(22 13 16)</small>		
22 13 16 00-0871	<b>Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings</b> <small>(22 13 16 00-0870)</small>		
	Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0872	EA 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125)	12.26	4.19
	<i>For Work In Restricted Working Space, Add</i>	2.51	
22 13 16 00-0873	EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	13.21	4.45
	<i>For Work In Restricted Working Space, Add</i>	2.67	
22 13 16 00-0874	EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	13.89	4.72
	<i>For Work In Restricted Working Space, Add</i>	2.83	
22 13 16 00-0875	EA 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	16.00	4.98
	<i>For Work In Restricted Working Space, Add</i>	2.99	
22 13 16 00-0876	EA 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	18.04	5.24
	<i>For Work In Restricted Working Space, Add</i>	3.14	
22 13 16 00-0877	EA 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	22.85	5.50
	<i>For Work In Restricted Working Space, Add</i>	3.30	
22 13 16 00-0878	EA 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	27.71	5.75
	<i>For Work In Restricted Working Space, Add</i>	3.46	
22 13 16 00-0879	EA 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	37.47	6.28
	<i>For Work In Restricted Working Space, Add</i>	3.77	
22 13 16 00-0880	EA 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	49.27	7.33
	<i>For Work In Restricted Working Space, Add</i>	4.40	
22 13 16 00-0881	<b>Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings</b> <small>(22 13 16 00-0870)</small>		
	Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0882	EA 1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125)	13.06	4.45
	<i>For Work In Restricted Working Space, Add</i>	2.67	
22 13 16 00-0883	EA 2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215)	14.15	4.72
	<i>For Work In Restricted Working Space, Add</i>	2.83	
22 13 16 00-0884	EA 3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315)	17.24	4.98
	<i>For Work In Restricted Working Space, Add</i>	2.99	
22 13 16 00-0885	EA 3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32)	15.54	4.98
	<i>For Work In Restricted Working Space, Add</i>	2.99	
22 13 16 00-0886	EA 4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415)	21.11	5.24
	<i>For Work In Restricted Working Space, Add</i>	3.14	
22 13 16 00-0887	EA 4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42)	20.24	5.24
	<i>For Work In Restricted Working Space, Add</i>	3.14	
22 13 16 00-0888	EA 4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43)	18.62	5.24
	<i>For Work In Restricted Working Space, Add</i>	3.14	
22 13 16 00-0889	EA 5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53)	26.65	5.50
	<i>For Work In Restricted Working Space, Add</i>	3.30	
22 13 16 00-0890	EA 5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54)	24.18	5.50
	<i>For Work In Restricted Working Space, Add</i>	3.30	
22 13 16 00-0891	EA 6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63)	32.82	5.75
	<i>For Work In Restricted Working Space, Add</i>	3.46	
22 13 16 00-0892	EA 6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64)	29.12	5.75
	<i>For Work In Restricted Working Space, Add</i>	3.46	
22 13 16 00-0893	EA 6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65)	30.15	5.75
	<i>For Work In Restricted Working Space, Add</i>	3.46	
22 13 16 00-0894	EA 8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84)	59.04	10.47
	<i>For Work In Restricted Working Space, Add</i>	6.28	
22 13 16 00-0895	EA 8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86)	48.78	10.47
	<i>For Work In Restricted Working Space, Add</i>	6.28	
22 13 16 00-0896	EA 10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8)	61.47	11.78
	<i>For Work In Restricted Working Space, Add</i>	7.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 13 16 00-0897 Elastomeric Flexible Pipe Caps (Fernco QC) <small>(22 13 16)</small></b>		
Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.		
22 13 16 00-0898 EA 1-1/2" Elastomeric Flexible Pipe Cap (Fernco QC-101).....	46.01	28.26
22 13 16 00-0899 EA 2" Elastomeric Flexible Pipe Cap (Fernco QC-102).....	49.34	30.05
22 13 16 00-0900 EA 3" Elastomeric Flexible Pipe Cap (Fernco QC-103).....	57.10	34.44
22 13 16 00-0901 EA 4" Elastomeric Flexible Pipe Cap (Fernco QC-104).....	75.36	45.54
22 13 16 00-0902 EA 5" Elastomeric Flexible Pipe Cap (Fernco QC-105).....	90.32	54.44
22 13 16 00-0903 EA 6" Elastomeric Flexible Pipe Cap (Fernco QC-106).....	104.17	62.82
22 13 16 00-0904 EA 8" Elastomeric Flexible Pipe Cap (Fernco QC-108).....	139.45	79.57
22 13 16 00-0905 EA 10" Elastomeric Flexible Pipe Cap (Fernco QC-110).....	170.91	88.99
22 13 16 00-0906 EA 12" Elastomeric Flexible Pipe Cap (Fernco QC-112).....	215.44	98.94

<b>22 13 16 00-0907 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series) <small>(22 13 16)</small></b>		
22 13 16 00-0908 EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	90.74	21.70
22 13 16 00-0909 EA 2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	95.56	24.11
22 13 16 00-0910 EA 3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	143.84	31.33
22 13 16 00-0911 EA 4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	168.71	36.16
22 13 16 00-0912 EA 5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	196.93	40.98
22 13 16 00-0913 EA 6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	335.09	45.80

<b>22 13 16 00-0914 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series) <small>(22 13 16)</small></b>		
22 13 16 00-0915 EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	198.90	21.70
22 13 16 00-0916 EA 2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	203.72	24.11
22 13 16 00-0917 EA 3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	241.44	31.33
22 13 16 00-0918 EA 4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	302.90	36.16
22 13 16 00-0919 EA 5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	416.21	40.98
22 13 16 00-0920 EA 6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	425.86	45.80

<b>22 13 16 00-0921 Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series) <small>(22 13 16)</small></b>		
Note: Includes counterflashing collar, deep protective hood and recessed securing screws.		
22 13 16 00-0922 EA 1-1/2" Cast Iron Vandal Proof Hooded Vent Cap.....	384.77	21.70
22 13 16 00-0923 EA 2" Cast Iron Vandal Proof Hooded Vent Cap.....	389.59	24.11
22 13 16 00-0924 EA 3" Cast Iron Vandal Proof Hooded Vent Cap.....	446.73	31.33
22 13 16 00-0925 EA 4" Cast Iron Vandal Proof Hooded Vent Cap.....	502.60	36.16
22 13 16 00-0926 EA 5" Cast Iron Vandal Proof Hooded Vent Cap.....	586.92	40.98
22 13 16 00-0927 EA 6" Cast Iron Vandal Proof Hooded Vent Cap.....	641.02	45.80

**22 13 19 Sanitary Waste Piping Specialties (22 13)**

**22 13 19 13 Sanitary Drains (22 13 19)**

**22 13 19 13-0001 Round Top Floor Drains (22 13 19 13)**

22 13 19 13-0002 EA Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet.....	802.12	103.65
For Galvanized Cast Iron Parts, Add	105.00	
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0003 EA Bronze Top, 6" Round Top Floor Drain With 2" Outlet.....	880.37	116.19
For Galvanized Cast Iron Parts, Add	105.00	
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0004 EA Bronze Top, 6" Round Top Floor Drain With 3" Outlet.....	851.97	128.53
For Galvanized Cast Iron Parts, Add	105.00	
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0005 EA Bronze Top, 6" Round Top Floor Drain With 4" Outlet.....	878.45	141.84
For Galvanized Cast Iron Parts, Add	105.00	
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0006 EA Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet .....	799.78	116.19
For Galvanized Extension Collar, Each 3", Add	117.50	
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3", Add	57.50	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0007	EA		Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet.....	824.56	128.53
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
22 13 19 13-0008	EA		Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet.....	851.04	141.84
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
22 13 19 13-0009	EA		Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet .....	1,364.48	116.19
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
22 13 19 13-0010	EA		Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet .....	1,389.26	128.53
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
22 13 19 13-0011	EA		Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet .....	1,415.74	141.84
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
22 13 19 13-0012	EA		Bronze Top, 9" Round Top Floor Drain With 2" Outlet.....	1,282.24	116.19
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
22 13 19 13-0013	EA		Bronze Top, 9" Round Top Floor Drain With 3" Outlet.....	1,306.89	128.53
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
22 13 19 13-0014	EA		Bronze Top, 9" Round Top Floor Drain With 4" Outlet.....	1,333.50	141.84
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
22 13 19 13-0015	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet .....	1,413.71	116.09
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0016 EA Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet .....	1,438.47	128.53
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0017 EA Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet .....	1,465.08	141.84
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0018 EA Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet .....	2,258.01	116.09
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0019 EA Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet .....	2,282.77	128.53
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0020 EA Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet .....	2,309.38	141.84
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0021 EA Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet .....	2,145.62	116.09
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0022 EA Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet .....	2,170.38	128.53
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0023 EA Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet .....	2,196.99	141.84
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
<b>22 13 19 13-0024 Square Or Rectangular Top Drains (22 13 19 13)</b>		
22 13 19 13-0025 EA 5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top .....	955.92	116.09
For Galvanized Cast Iron Parts, Add	105.00	
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 13</b>	<b>Facility Sanitary Sewerage</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0026	EA		5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	980.95	128.62
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0027	EA		5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,007.29	141.84
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0028	EA		6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,038.16	116.09
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0029	EA		6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,063.19	128.62
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0030	EA		6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,089.53	141.84
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0031	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,400.00	116.09
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0032	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,425.03	128.62
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0033	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,451.37	141.84
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0034	EA		5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top.....	895.61	116.09
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0035	EA		5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top.....	920.64	128.62
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0036	EA		5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top.....	946.98	141.84
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0037	EA		6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top.....	999.78	116.09
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0038	EA		6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,024.81	128.62
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0039	EA		6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,051.15	141.84
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0040	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,293.09	116.09
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0041	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,318.12	128.62
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0042	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,344.46	141.84
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0043	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top .....	3,434.37	128.62
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
22 13 19 13-0044	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top .....	3,460.71	141.84
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
22 13 19 13-0045	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top .....	4,328.02	128.62
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
22 13 19 13-0046	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top .....	4,354.36	141.84
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0047 EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i>	4,221.11 318.00 48.50 76.00	128.62
22 13 19 13-0048 EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i>	4,247.45 318.00 48.50 76.00	141.84
22 13 19 13-0049 EA 5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,421.93 22.50 11.00 120.94	116.09
22 13 19 13-0050 EA 5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,446.96 22.50 11.00 120.94	128.62
22 13 19 13-0051 EA 5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,473.30 22.50 11.00 120.94	141.84
22 13 19 13-0052 EA 5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,846.83 22.50 11.00 120.94	116.09
22 13 19 13-0053 EA 5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,871.86 22.50 11.00 120.94	128.62
22 13 19 13-0054 EA 5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,898.20 22.50 11.00 120.94	141.84
22 13 19 13-0055 EA 5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top ..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,945.51 22.50 11.00 120.94	116.09
22 13 19 13-0056 EA 5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top ..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,970.54 22.50 11.00 120.94	128.62
22 13 19 13-0057 EA 5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top ..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,996.88 22.50 11.00 120.94	141.84
22 13 19 13-0058 EA 5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	2,710.32 22.50 11.00 120.94	116.09
22 13 19 13-0059 EA 5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	2,735.35 22.50 11.00 120.94	128.62
22 13 19 13-0060 EA 5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	2,761.69 22.50 11.00 120.94	141.84
22 13 19 13-0061 EA 5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,334.21 22.50 11.00 120.94	116.09
22 13 19 13-0062 EA 5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,359.24 22.50 11.00 120.94	128.62
22 13 19 13-0063 EA 5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,385.58 22.50 11.00 120.94	141.84
22 13 19 13-0064 EA 5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,696.06 22.50 11.00 120.94	116.09
22 13 19 13-0065 EA 5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,721.09 22.50 11.00 120.94	128.62
22 13 19 13-0066 EA 5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,747.43 22.50 11.00 120.94	141.84
22 13 19 13-0067 EA 5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,794.74 22.50 11.00 120.94	116.09



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0068	EA		5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top .....	1,819.77	128.62
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0069	EA		5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top .....	1,846.11	141.84
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0070	EA		5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top .....	2,417.01	116.09
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0071	EA		5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top .....	2,442.04	128.62
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0072	EA		5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top .....	2,468.38	141.84
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
<b>22 13 19 13-0073</b>			<b>Funnel Type Floor Drains</b> (22 13 19 13)		
22 13 19 13-0074	EA		7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top .....	1,344.98	103.65
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0075	EA		7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top .....	1,369.85	116.09
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0076	EA		7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top .....	1,394.61	128.53
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0077	EA		7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top .....	1,421.22	141.84
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0078	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top .....	1,986.63	116.09
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Primer Tap, Add</i>	15.10	
22 13 19 13-0079	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top .....	2,011.39	128.53
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Primer Tap, Add</i>	15.10	
22 13 19 13-0080	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top .....	2,038.00	141.84
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Primer Tap, Add</i>	15.10	
22 13 19 13-0081	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top .....	1,879.72	116.09
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Primer Tap, Add</i>	15.10	
22 13 19 13-0082	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top .....	1,904.48	128.53
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Primer Tap, Add</i>	15.10	
22 13 19 13-0083	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top .....	1,931.09	141.84
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Primer Tap, Add</i>	15.10	
<b>22 13 19 13-0084</b>			<b>Floor Drain With Sediment Bucket Bottom Outlet</b> (22 13 19 13)		
22 13 19 13-0085	EA		12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap .....	2,912.88	103.65
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0086	EA		12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap .....	2,937.84	116.09
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0087	EA		12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap .....	2,962.60	128.53
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0088 EA 12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap.....	2,989.21	141.84
<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
<i>For Primer Tap, Add</i>	33.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0089 EA 12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap.....	3,016.65	155.53
<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
<i>For Primer Tap, Add</i>	33.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0090 EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate .....	3,146.18	116.09
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
22 13 19 13-0091 EA 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate .....	3,171.21	128.62
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
22 13 19 13-0092 EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate .....	3,197.55	141.84
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
22 13 19 13-0093 EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate .....	3,224.99	155.53
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
22 13 19 13-0094 EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate .....	1,909.87	116.09
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
22 13 19 13-0095 EA 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate .....	1,934.90	128.62
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
22 13 19 13-0096 EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate .....	1,961.24	141.84
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
22 13 19 13-0097 EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate .....	1,988.68	155.53
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
22 13 19 13-0098 EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate .....	2,932.36	116.09
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
22 13 19 13-0099 EA 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate .....	2,957.39	128.62
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
22 13 19 13-0100 EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate .....	2,983.73	141.84
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
22 13 19 13-0101 EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate .....	3,011.17	155.53
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	

22 13 19 13-0102 Other Drains (22 13 19 13)  
 22 13 19 13-0103 Shower Drains (22 13 19 13-0102)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0104 EA 4-1/4" Stainless Steel Shower Drain Strainer.....	48.45	10.47
Note: Includes two 2-5/8" screws.		
22 13 19 13-0105 EA 4-1/4" Brass Shower Drain Strainer .....	54.18	10.47
Note: Includes two 2-5/8" screws.		
22 13 19 13-0106 EA 4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe .....	110.75	20.94
Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.		
22 13 19 13-0107 EA 4" Chrome Finish, Threaded Brass Shower Drain And Gasket.....	143.64	20.94
Note: For 2" pipe. Kohler K-9132.		
<b>22 13 19 13-0108 Acid Resistant Floor Drains</b> (22 13 19 13-0102)		
22 13 19 13-0109 EA 9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top .....	1,355.85	103.65
For Galvanized Cast Iron Parts, Add	87.50	
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0110 EA 9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top .....	1,380.81	116.09
For Galvanized Cast Iron Parts, Add	87.50	
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0111 EA 9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top .....	1,405.57	128.53
For Galvanized Cast Iron Parts, Add	87.50	
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
<b>22 13 19 13-0112 Rotary And Lever Drains</b> (22 13 19 13-0102)		
22 13 19 13-0113 EA 1-1/2" Drain, 3" Sink Opening Lever Drain.....	238.05	69.91
22 13 19 13-0114 EA 2" Drain, 3" Sink Opening Lever Drain.....	252.52	77.13
22 13 19 13-0115 EA 1-1/2" Drain, 3-1/2" Sink Opening Lever Drain.....	238.05	69.91
22 13 19 13-0116 EA 2" Drain, 3-1/2" Sink Opening Lever Drain.....	252.52	77.13
22 13 19 13-0117 EA 1-1/2" Drain, 3" Sink Opening Twist Drain .....	238.05	69.91
22 13 19 13-0118 EA 2" Drain, 3" Sink Opening Twist Drain .....	252.52	77.13
22 13 19 13-0119 EA 1-1/2" Drain, 3-1/2" Sink Opening Twist Drain .....	238.05	69.91
22 13 19 13-0120 EA 2" Drain, 3-1/2" Sink Opening Twist Drain .....	252.52	77.13
22 13 19 13-0121 EA 1-1/2"-2" Drain, 3-1/2" Sink Opening Rotary Twist Drain (Fisher 16100).....	328.33	77.13
<b>22 13 19 13-0122 Floor Receptor</b> (22 13 19 13)		
<b>22 13 19 13-0123 9" Diameter Round Shallow Receptor</b> (22 13 19 13-0122)		
Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		
22 13 19 13-0124 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection.....	1,668.80	116.19
For Flange With Seepage Holes, Add	58.50	
For Flange With Seepage Holes And Clamp Collar, Add	97.00	
For Trap Primer Connection, Add	38.00	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	33.50	
For White Acid Resistant Bucket, Add	47.00	
For Stainless Steel Liner For Bucket, Add	62.50	
22 13 19 13-0125 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection.....	1,693.95	128.72
For Flange With Seepage Holes, Add	58.50	
For Flange With Seepage Holes And Clamp Collar, Add	97.00	
For Trap Primer Connection, Add	38.00	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	33.50	
For White Acid Resistant Bucket, Add	47.00	
For Stainless Steel Liner For Bucket, Add	62.50	
22 13 19 13-0126 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection.....	1,720.02	141.84
For Flange With Seepage Holes, Add	58.50	
For Flange With Seepage Holes And Clamp Collar, Add	97.00	
For Trap Primer Connection, Add	38.00	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	33.50	
For White Acid Resistant Bucket, Add	47.00	
For Stainless Steel Liner For Bucket, Add	62.50	
<b>22 13 19 13-0127 Square Top Floor Receptors</b> (22 13 19 13-0122)		
Note: With acid resistant coating.		
22 13 19 13-0128 EA 8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top .....	1,983.69	103.65
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0129 EA 8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	2,008.67	116.19
<i>For Flange With Seepage Holes, Add</i>	37.50	
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00	
<i>For Trap Primer Connection, Add</i>	39.50	
<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
<i>For Vandal Proof Secured Grate, Add</i>	15.50	
<i>For White Acid Resistant Bucket, Add</i>	88.00	
<i>For Stainless Steel Liner For Bucket, Add</i>	97.00	
22 13 19 13-0130 EA 8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	2,033.32	128.53
<i>For Flange With Seepage Holes, Add</i>	37.50	
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00	
<i>For Trap Primer Connection, Add</i>	39.50	
<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
<i>For Vandal Proof Secured Grate, Add</i>	15.50	
<i>For White Acid Resistant Bucket, Add</i>	88.00	
<i>For Stainless Steel Liner For Bucket, Add</i>	97.00	
22 13 19 13-0131 EA 8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	2,059.93	141.84
<i>For Flange With Seepage Holes, Add</i>	37.50	
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00	
<i>For Trap Primer Connection, Add</i>	39.50	
<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
<i>For Vandal Proof Secured Grate, Add</i>	15.50	
<i>For White Acid Resistant Bucket, Add</i>	88.00	
<i>For Stainless Steel Liner For Bucket, Add</i>	97.00	
<b>22 13 19 13-0132 Floor Drain Accessories (22 13 19 13)</b>		
22 13 19 13-0133 EA 3" Trap Guard Floor Drain Insert (ProVent TG3H).....	105.36	12.06
Note: Prevents emission of sewer gases.		
22 13 19 13-0134 EA 2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22) .....	85.05	12.06
Note: Prevents emission of sewer gases.		
22 13 19 13-0135 EA 3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33) .....	93.17	12.06
Note: Prevents emission of sewer gases.		
22 13 19 13-0136 EA 3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP).....	113.48	12.06
Note: Prevents emission of sewer gases.		
22 13 19 13-0137 EA 3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP).....	101.30	12.06
Note: Prevents emission of sewer gases.		
22 13 19 13-0138 EA 2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) .....	146.21	12.06
Note: Prevents emission of sewer gases.		
22 13 19 13-0139 EA 3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) .....	162.55	12.06
Note: Prevents emission of sewer gases.		
22 13 19 13-0140 EA 4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) .....	203.12	12.06
Note: Prevents emission of sewer gases.		
<b>22 13 19 26 Grease Removal Devices (22 13 19)</b>		
<b>22 13 19 26-0001 Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26)</b>		
Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
<b>22 13 19 26-0002 Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001)</b>		
Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003 EA 7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor .....	1,239.26	72.32
Note: Josam 60102H.		
<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,303.03	
22 13 19 26-0004 EA 10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor .....	1,446.55	162.71
Note: Josam 60103H.		
<i>For Flange And Clamp Device, Add</i>	368.64	
<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,376.15	
22 13 19 26-0005 EA 15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor .....	2,061.58	180.79
Note: Josam 60104H.		
<i>For Flange And Clamp Device, Add</i>	380.69	
<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,502.71	
22 13 19 26-0006 EA 20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor .....	2,493.45	198.87
Note: Josam 60105H.		
<i>For Flange And Clamp Device, Add</i>	392.74	
<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,623.83	
22 13 19 26-0007 EA 25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor .....	2,792.67	216.95
Note: Josam 60106H.		
<i>For Flange And Clamp Device, Add</i>	435.19	
<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,690.23	
22 13 19 26-0008 EA 35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor .....	3,431.81	253.11
Note: Josam 60107H.		
<i>For Flange And Clamp Device, Add</i>	470.50	
<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,858.86	
22 13 19 26-0009 EA 50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor .....	4,483.63	289.26
Note: Josam 60108H.		
<i>For Flange And Clamp Device, Add</i>	535.56	
<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,980.46	
22 13 19 26-0010 EA 75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor .....	8,855.78	325.42
Note: Josam 60109H.		
<i>For Flange And Clamp Device, Add</i>	760.95	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0011	EA		100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60110H.	10,024.63	412.51
			<i>For Flange And Clamp Device, Add</i>	883.01	
22 13 19 26-0012	EA		150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60213A.	12,347.12	660.02
			<i>For Flange And Clamp Device, Add</i>	1,208.01	
22 13 19 26-0013	EA		200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60214A.	17,735.36	825.03
			<i>For Flange And Clamp Device, Add</i>	1,447.30	
22 13 19 26-0014	EA		250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60215A.	20,684.77	990.02
			<i>For Flange And Clamp Device, Add</i>	1,870.26	
22 13 19 26-0015	EA		350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60216A.	26,895.54	1,155.03
			<i>For Flange And Clamp Device, Add</i>	2,218.02	
22 13 19 26-0016	EA		500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60217A.	34,820.87	1,320.04
			<i>For Flange And Clamp Device, Add</i>	2,601.31	
<b>22 13 19 26-0017</b>			<b>Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor</b> <small>(22 13 19 26-0001)</small>		
			Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA		20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A.	3,605.14	198.87
22 13 19 26-0019	EA		35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60117A.	4,638.25	253.11
22 13 19 26-0020	EA		50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Smith 8150.	7,672.72	289.26
<b>22 13 19 26-0021</b>			<b>Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor</b> <small>(22 13 19 26)</small>		
			Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
<b>22 13 19 26-0022</b>			<b>Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor</b> <small>(22 13 19 26-0021)</small>		
			Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA		7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60102-SA.	3,173.49	72.32
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,303.03	
22 13 19 26-0024	EA		10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60103-SA.	3,733.09	162.71
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,376.15	
22 13 19 26-0025	EA		15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60104-SA.	3,987.39	180.79
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,502.71	
22 13 19 26-0026	EA		20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60105-SA.	4,869.83	198.87
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,623.83	
22 13 19 26-0027	EA		25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60106-SA.	5,874.38	216.95
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,690.23	
22 13 19 26-0028	EA		35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60107-SA.	6,069.27	253.11
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,858.86	
22 13 19 26-0029	EA		50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60108-SA.	6,928.08	289.26
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,980.46	
<b>22 13 19 26-0030</b>			<b>Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor</b> <small>(22 13 19 26-0021)</small>		
			Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA		35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A-SA.	8,169.12	253.11
<b>22 13 19 26-0032</b>			<b>Automatic Cleaning Stainless Steel Grease Interceptor</b> <small>(22 13 19 26)</small>		
22 13 19 26-0033	EA		20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor ..... Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).	6,936.34	198.87
22 13 19 26-0034	EA		25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor ..... Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).	8,074.19	216.95
22 13 19 26-0035	EA		35 GPM, 70 LB Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35) .....	6,907.03	253.11
<b>22 13 19 26-0036</b>			<b>Precast Concrete Grease Interceptor</b> <small>(22 13 19 26)</small>		
			Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037	EA		1,000 Gallon Pre-Cast Grease Interceptor.....	5,133.93	373.66
22 13 19 26-0038	EA		1,250 Gallon Pre-Cast Grease Interceptor.....	5,874.44	373.66
22 13 19 26-0039	EA		1,500 Gallon Pre-Cast Grease Interceptor.....	6,667.36	427.18
22 13 19 26-0040	EA		2,000 Gallon Pre-Cast Grease Interceptor.....	7,586.12	603.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0041 EA 2,500 Gallon Pre-Cast Grease Interceptor .....	8,540.15	811.68
22 13 19 26-0042 EA 4,000 Gallon Pre-Cast Grease Interceptor .....	12,810.78	1,067.89
22 13 19 26-0043 EA 5,000 Gallon Pre-Cast Grease Interceptor .....	16,443.16	1,751.18
<b>22 13 19 26-0044 Coated Steel Manual Oil Interceptor (22 13 19 26)</b>		
Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0045 EA 10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	4,310.04	275.35
22 13 19 26-0046 EA 15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	5,812.40	327.18
22 13 19 26-0047 EA 20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	7,037.58	402.57
22 13 19 26-0048 EA 25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	7,643.02	436.07
22 13 19 26-0049 EA 35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	9,181.72	475.85
22 13 19 26-0050 EA 50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	12,118.46	523.49
22 13 19 26-0051 EA 75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	20,380.23	602.64
22 13 19 26-0052 EA 100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	22,270.55	741.48
22 13 19 26-0053 EA 150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	27,358.37	803.68
22 13 19 26-0054 EA 200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	38,311.08	964.21
22 13 19 26-0055 EA 250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	44,205.78	1,036.53
22 13 19 26-0056 EA 350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	55,705.19	1,236.13
22 13 19 26-0057 EA 400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	67,330.66	1,012.91
22 13 19 26-0058 EA 500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	79,759.89	1,205.27
<b>22 13 19 33 Backwater Valves (22 13 19)</b>		
<b>22 13 19 33-0001 Cast Iron Body Terminal Backwater Valves (22 13 19 33)</b>		
22 13 19 33-0002 EA 2" Cast Iron Body Terminal Backwater Valve .....	342.24	27.67
22 13 19 33-0003 EA 3" Cast Iron Body Terminal Backwater Valve .....	352.84	34.81
22 13 19 33-0004 EA 4" Cast Iron Body Terminal Backwater Valve .....	507.81	46.28
22 13 19 33-0005 EA 6" Cast Iron Body Terminal Backwater Valve .....	1,349.07	64.07
22 13 19 33-0006 EA 8" Cast Iron Body Terminal Backwater Valve .....	1,651.37	84.32
22 13 19 33-0007 EA 10" Cast Iron Body Terminal Backwater Valve .....	4,739.37	104.02
22 13 19 33-0008 EA 12" Cast Iron Body Terminal Backwater Valve .....	5,373.59	134.91
<b>22 13 19 33-0009 Cast Iron Backwater Sewer Line Valve (22 13 19 33)</b>		
Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010 EA 2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	852.38	65.96
22 13 19 33-0011 EA 3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	1,291.13	80.03
22 13 19 33-0012 EA 4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	1,598.85	103.18
22 13 19 33-0013 EA 6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	2,232.24	116.40
22 13 19 33-0014 EA 8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	3,085.11	137.93
<b>22 13 19 33-0015 Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve (22 13 19 33)</b>		
Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016 EA 3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve .....	2,275.75	104.43
22 13 19 33-0017 EA 4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve .....	2,327.42	138.84
22 13 19 33-0018 EA 5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve .....	3,379.22	172.39
22 13 19 33-0019 EA 6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve .....	3,409.19	192.19
<b>22 13 19 33-0020 Polyvinyl Chloride (PVC) Backwater Sewer Line Valve (22 13 19 33)</b>		
Note: Oatey.		
22 13 19 33-0021 EA 3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900) .....	131.63	34.81
22 13 19 33-0022 EA 4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904) .....	157.02	46.28
22 13 19 33-0023 EA 6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908) .....	469.53	64.07
<b>22 13 19 33-0024 Polyvinyl Chloride (PVC) Extendable Backwater Valves (22 13 19 33)</b>		
22 13 19 33-0025 EA 3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) .....	312.08	69.61
Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0026 EA 4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) .....	415.57	92.57
Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0027 EA 6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) .....	721.96	128.12
Note: Includes valve body, flapper assembly and collar.		
<b>22 13 19 36 Air-Admittance Valves (22 13 19)</b>		
<b>22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent (22 13 19 36)</b>		
22 13 19 36-0002 EA 1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent .....	140.28	13.50
22 13 19 36-0003 EA 2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent .....	166.46	13.50
<b>22 13 23 Sanitary Waste Interceptors (22 13)</b>		
<b>22 13 23 00-0001 Sediment Bucket Solids Interceptors (22 13 23)</b>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 23 00-0002	EA		1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180).....	1,224.23	136.54
			Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0003	EA		1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184).....	1,225.77	136.54
			Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0004	EA		1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARI0).....	1,729.15	136.54
			Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0005	EA		1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARI0).....	1,729.15	136.54
			Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0006	EA		1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030).....	1,843.10	136.54
			Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
<b>22 13 23 00-0007</b>			<b>Drum Trap, Solids Interceptors</b> (22 13 23)		
<b>22 13 23 00-0008</b>			<b>Extra Heavy Duty Cast Iron Drum Trap</b> (22 13 23 00-0007)		
22 13 23 00-0009	EA		8-1/2" Diameter x 12-3/4" High Solids Interceptor, 1-1/2" Inlet/Outlet, Extra Heavy Cast Iron.....	1,923.09	134.99
			For Acid Coating Inside Or Outside, Add	960.37	
			For Acid Coating Inside And Outside, Add	1,156.00	
22 13 23 00-0010	EA		8-1/2" Diameter x 12-3/4" High Solids Interceptor, 2" Inlet/Outlet, Extra Heavy Cast Iron.....	1,947.20	154.28
			For Acid Coating Inside Or Outside, Add	960.37	
			For Acid Coating Inside And Outside, Add	1,156.00	
<b>22 13 23 00-0011</b>			<b>Aluminum, Solid Interceptor, Drum Trap</b> (22 13 23 00-0007)		
22 13 23 00-0012	EA		8-1/2" Diameter x 12-3/4" High Solids Interceptor, 1-1/2" Inlet/Outlet, Aluminum.....	2,644.47	134.99
22 13 23 00-0013	EA		8-1/2" Diameter x 12-3/4" High Solids Interceptor, 2" Inlet/Outlet, Aluminum.....	2,668.58	154.28
<b>22 13 23 00-0014</b>			<b>Solid Interceptors, Cast Iron With Internal Deep Seal Trap</b> (22 13 23)		
22 13 23 00-0015	EA		1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....	315.92	46.69
			For Stainless Steel Bucket, Add	175.00	
22 13 23 00-0016	EA		2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....	321.89	49.74
			For Stainless Steel Bucket, Add	175.00	
<b>22 13 23 00-0017</b>			<b>Sediment Strainers</b> (22 13 23)		
22 13 23 00-0018	EA		2" Strainer, Pump Suction Side.....	147.36	63.60
<b>22 13 29</b>			<b>Sanitary Sewerage Pumps</b> (22 13)		
			Note: Includes extra set of gaskets, bearings and seals.		
<b>22 13 29 13</b>			<b>Wet-Pit-Mounted, Vertical Sewerage Pumps</b> (22 13 29)		
22 13 29 13-0001			Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-Deeming Series 4500) (22 13 29 13)		
			Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.		
22 13 29 13-0002			1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)		
22 13 29 13-0003	EA		1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	5,835.07	1,156.67
22 13 29 13-0004	EA		3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	6,051.53	1,156.67
22 13 29 13-0005	EA		1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	6,267.99	1,156.67
22 13 29 13-0006	EA		1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	6,474.46	1,156.67
22 13 29 13-0007			2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)		
22 13 29 13-0008	EA		3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	6,434.50	1,156.67
22 13 29 13-0009	EA		1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	6,517.76	1,156.67
22 13 29 13-0010	EA		2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	6,576.04	1,156.67
22 13 29 13-0011	EA		3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	6,975.66	1,156.67
22 13 29 13-0012	EA		5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	7,366.96	1,156.67
22 13 29 13-0013	EA		7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	7,966.39	1,156.67
22 13 29 13-0014	EA		10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	8,565.83	1,156.67
22 13 29 13-0015	EA		15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	9,930.48	1,539.27
22 13 29 13-0016			3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)		
22 13 29 13-0017	EA		2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	6,851.66	1,156.67
22 13 29 13-0018	EA		3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	6,851.66	1,156.67
22 13 29 13-0019	EA		5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	6,995.91	1,156.67
22 13 29 13-0020	EA		7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	8,115.12	1,156.67
22 13 29 13-0021	EA		10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	8,311.45	1,156.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0022 EA 15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	9,999.54	1,539.27
22 13 29 13-0023 EA 20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,499.07	1,539.27
<b>22 13 29 13-0024 Extra Column Assemblies Addition, 5' Or Less (22 13 29 13-0001)</b>		
22 13 29 13-0025 EA 2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	544.22	
22 13 29 13-0026 EA 3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	653.44	
22 13 29 13-0027 EA 4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	730.37	
22 13 29 13-0028 EA 5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	743.67	
22 13 29 13-0029 EA 6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	834.84	
<b>22 13 29 13-0030 Float Switches (22 13 29 13-0001)</b>		
Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031 EA Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps.....	489.13	
22 13 29 13-0032 EA Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps.....	513.82	
22 13 29 13-0033 EA Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps.....	525.22	
<b>22 13 29 13-0034 Square Or Round Steel Sump Covers (22 13 29 13-0001)</b>		
22 13 29 13-0035 EA 24" Steel Sump Covers, Square Or Round.....	791.81	38.57
22 13 29 13-0036 EA 30" Steel Sump Covers, Square Or Round.....	876.49	43.39
22 13 29 13-0037 EA 36" Steel Sump Covers, Square Or Round.....	1,216.98	57.85
22 13 29 13-0038 EA 40" Steel Sump Covers, Square Or Round.....	1,771.23	67.50
22 13 29 13-0039 EA 42" Steel Sump Covers, Square Or Round.....	1,899.69	69.91
22 13 29 13-0040 EA 48" Steel Sump Covers, Square Or Round.....	2,032.00	72.32
22 13 29 13-0041 EA 54" Steel Sump Covers, Square Or Round.....	2,590.15	86.78
22 13 29 13-0042 EA 60" Steel Sump Covers, Square Or Round.....	3,515.42	96.42
22 13 29 13-0043 EA 72" Steel Sump Covers, Square Or Round.....	4,458.10	120.53
22 13 29 13-0044 EA 84" Steel Sump Covers, Square Or Round.....	5,673.53	132.58
<b>22 13 29 16 Submersible Sewerage Pumps (22 13 29)</b>		
<b>22 13 29 16-0001 Submersible Sewage Pumps With Vortex Impeller (22 13 29 16)</b>		
<b>22 13 29 16-0002 Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller (22 13 29 16-0001)</b>		
Note: Includes 25' cord.		
22 13 29 16-0003 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,225.14	70.15
22 13 29 16-0004 EA 1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,305.25	70.15
22 13 29 16-0005 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,280.60	70.15
22 13 29 16-0006 EA 1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,398.71	70.15
22 13 29 16-0007 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,398.71	70.15
22 13 29 16-0008 EA 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,481.88	87.68
22 13 29 16-0009 EA 1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,586.63	87.68
22 13 29 16-0010 EA 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,599.99	87.68
<b>22 13 29 16-0011 Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0001)</b>		
Note: Includes 20' cord.		
22 13 29 16-0012 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,247.74	70.15
22 13 29 16-0013 EA 1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,362.77	70.15
22 13 29 16-0014 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,308.33	70.15
22 13 29 16-0015 EA 1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,419.25	70.15
22 13 29 16-0016 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,518.88	70.15
22 13 29 16-0017 EA 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,418.20	87.68
22 13 29 16-0018 EA 1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,537.34	87.68
22 13 29 16-0019 EA 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,536.31	87.68
22 13 29 16-0020 EA 1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,767.31	141.34
22 13 29 16-0021 EA 1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,867.96	141.34
22 13 29 16-0022 EA 1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,885.42	141.34
22 13 29 16-0023 EA 2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,895.63	172.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0024 EA 2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,010.66	172.75
22 13 29 16-0025 EA 2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,013.74	172.75
<b>22 13 29 16-0026 Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0001)</b> Note: Includes 20' cord.		
22 13 29 16-0027 EA 1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,477.80	70.15
22 13 29 16-0028 EA 1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,672.94	70.15
22 13 29 16-0029 EA 1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller .....	1,636.96	87.68
22 13 29 16-0030 EA 1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller .....	1,755.07	87.68
22 13 29 16-0031 EA 1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,002.50	141.34
22 13 29 16-0032 EA 1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,120.61	141.34
22 13 29 16-0033 EA 2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,131.85	172.75
22 13 29 16-0034 EA 2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,249.96	172.75
<b>22 13 29 16-0035 Submersible Sewage Pumps With Semi-Open Impeller (22 13 29 16)</b> Note: Includes 25' of cord with pump.		
22 13 29 16-0036 EA 1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	3,838.33	87.68
22 13 29 16-0037 EA 1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	4,107.49	146.42
22 13 29 16-0038 EA 2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	4,400.09	178.95
22 13 29 16-0039 EA 3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	4,603.61	216.92
22 13 29 16-0040 EA 5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	5,166.40	254.88
22 13 29 16-0041 EA 7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	5,771.22	292.83
<b>22 13 29 16-0042 Submersible Sewage Pumps, Explosion Proof (22 13 29 16)</b> Note: Includes 25' of cord with pump.		
22 13 29 16-0043 EA 1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,181.89	314.24
22 13 29 16-0044 EA 1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	5,702.80	314.24
22 13 29 16-0045 EA 1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	5,702.80	314.24
22 13 29 16-0046 EA 1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,483.20	418.97
22 13 29 16-0047 EA 1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,004.12	418.97
22 13 29 16-0048 EA 1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,004.12	418.97
22 13 29 16-0049 EA 2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,883.33	523.72
22 13 29 16-0050 EA 2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,404.24	523.72
22 13 29 16-0051 EA 2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,404.24	523.72
22 13 29 16-0052 EA 3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,190.62	628.46
22 13 29 16-0053 EA 3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,711.54	628.46
22 13 29 16-0054 EA 3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,711.54	628.46
22 13 29 16-0055 EA 5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,944.08	733.21
22 13 29 16-0056 EA 5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,464.99	733.21
22 13 29 16-0057 EA 5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,464.99	733.21
22 13 29 16-0058 EA 7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	8,229.42	837.95
22 13 29 16-0059 EA 7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	8,229.42	837.95
<b>22 13 29 16-0060 Submersible Sewage Pump Accessories (22 13 29 16)</b>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0061 EA Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump ..... 588.58	588.58	72.03
Note: Includes alarm horn, warning light and alarm float switch.		
22 13 29 16-0062 EA Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump ..... 608.20	608.20	72.03
Note: Includes alarm horn, warning light, and alarm float switch.		
22 13 29 16-0063 EA Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump ..... 1,204.76	1,204.76	96.04
Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.		
22 13 29 16-0064 EA Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump ..... 1,707.18	1,707.18	96.04
Note: Includes alarm horn and warning light. Control float switches not included.		
22 13 29 16-0065 EA Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors ..... 3,854.78	3,854.78	96.04
Note: Includes alarm horn and warning light. Control float switches not included.		
22 13 29 16-0066 EA Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors ..... 4,033.78	4,033.78	96.04
Note: Includes alarm horn and warning light. Control float switches not included.		
22 13 29 16-0067 EA Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors ..... 6,452.81	6,452.81	120.05
Note: Includes alarm horn and warning light. Control float switches not included.		
22 13 29 16-0068 EA Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors ..... 5,434.55	5,434.55	120.05
Note: Includes alarm horn and warning light. Control float switches not included.		
22 13 29 16-0069 EA Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps ..... 1,334.22	1,334.22	120.05
Note: Includes alarm horn, warning light, and three 20' float switches.		
22 13 29 16-0070 EA Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps ..... 1,471.60	1,471.60	120.05
Note: Includes alarm horn, warning light, and three 20' float switches.		
22 13 29 16-0071 EA Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps ..... 1,411.74	1,411.74	120.05
Note: Includes alarm horn, warning light, and three 20' float switches.		
22 13 29 16-0072 EA Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps ..... 1,535.55	1,535.55	120.05
Note: Includes alarm horn, warning light, and three 20' float switches.		
22 13 29 16-0073 EA Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps ..... 2,641.38	2,641.38	120.05
Note: Includes alarm horn and warning light. Float switches not included..		
22 13 29 16-0074 EA Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure ..... 489.54	489.54	48.02
Note: Includes alarm horn, warning light and 15' tethered float.		
22 13 29 16-0075 EA Variable Level (Clamp Type) Float Switch With 15' Cord ..... 91.20	91.20	24.01
Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0076 EA Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only ..... 108.23	108.23	24.01
22 13 29 16-0077 EA Variable Level (Adjustable Weight Type) Float Switch With 25' Cord ..... 117.57	117.57	24.01
Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0078 EA Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only ..... 121.88	121.88	24.01
22 13 29 16-0079 EA Float Switch Tree With (3) 15' Floats ..... 357.34	357.34	24.01
Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0080 EA Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only ..... 396.25	396.25	24.01
22 13 29 16-0081 EA Float Switch Tree And (4) Floats With 15' Cords ..... 398.18	398.18	24.01
Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0082 EA Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only ..... 451.80	451.80	24.01
22 13 29 16-0083 EA Float Switch Tree ..... 189.05	189.05	24.01
Note: Tree only.		
22 13 29 16-0084 EA Adjustable Weight For Float Switch ..... 49.88	49.88	12.00
22 13 29 16-0085 EA Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge ..... 1,005.41	1,005.41	72.03
Note: Lifting equipment not included.		
22 13 29 16-0086 EA Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge ..... 1,578.43	1,578.43	96.04
Note: Lifting equipment not included.		
22 13 29 16-0087 EA Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge ..... 2,062.35	2,062.35	120.05
Note: Lifting equipment not included.		
22 13 29 16-0088 EA Rail And Disconnect System, Stainless Steel Non-Spearking, For 3" Horizontal Discharge ..... 2,203.65	2,203.65	72.03
22 13 29 16-0089 EA Rail And Disconnect System, Stainless Steel Non-Spearking, For 4" Horizontal Discharge ..... 3,118.36	3,118.36	72.03
22 13 29 16-0090 EA Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System ..... 285.92	285.92	48.02
22 13 29 16-0091 EA Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems ..... 506.96	506.96	60.03
22 13 29 16-0092 EA Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems ..... 506.47	506.47	72.03
22 13 29 16-0093 EA 12" Stainless Steel Lifting Cable ..... 140.92	140.92	24.01
22 13 29 16-0094 EA Disconnect Fitting For 2" Horizontal Discharge ..... 281.80	281.80	24.01
Note: Used for shallow systems where guide rails are not necessary.		

**22 13 29 33 Sewerage Pump Basins and Pits (22 13 29)**

**22 13 29 33-0001 Sewage Sump Pump Basin (22 13 29 33)**

**22 13 29 33-0002 High Density Polyethylene (HDPE) Basin (22 13 29 33-0001)**

22 13 29 33-0003 EA 18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub ..... 124.32	124.32	
22 13 29 33-0004 EA 18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub ..... 160.19	160.19	
22 13 29 33-0005 EA 24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub ..... 360.64	360.64	
22 13 29 33-0006 EA 24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub ..... 505.21	505.21	
22 13 29 33-0007 EA 30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub ..... 649.76	649.76	
22 13 29 33-0008 EA 36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub ..... 755.50	755.50	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>22 13 29 33-0009</b>	<b>Fiberglass Basin</b> <small>(22 13 29 33-0001)</small>		
22 13 29 33-0010	EA 18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub .....	351.07	
22 13 29 33-0011	EA 24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub .....	718.69	
22 13 29 33-0012	EA 30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub .....	1,294.13	
22 13 29 33-0013	EA 36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub .....	1,743.81	
22 13 29 33-0014	EA 36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub .....	2,009.93	
22 13 29 33-0015	EA 36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub .....	2,122.72	
22 13 29 33-0016	EA 36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub .....	2,494.67	
22 13 29 33-0017	EA 48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub .....	2,897.35	
<b>22 14</b>	<b>Facility Storm Drainage</b> <small>(22 10)</small>		
<b>22 14 13</b>	<b>Facility Storm Drainage Piping</b> <small>(22 14)</small>		
	See CSI section 22 13 16 00-0000 for storm drainage piping.		
<b>22 14 26</b>	<b>Facility Storm Drains</b> <small>(22 14)</small>		
<b>22 14 26 13</b>	<b>Roof Drains</b> <small>(22 14 26)</small>		
<b>22 14 26 13-0001</b>	<b>Cast Iron Roof Drains</b> <small>(22 14 26 13)</small>		
<b>22 14 26 13-0002</b>	<b>Cast Iron Roof Drains With Large Polypropylene Dome</b> <small>(22 14 26 13-0001)</small>		
	Note: Dome free area is 124 square inches.		
22 14 26 13-0003	EA 15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome .....	902.25	160.73
	For Galvanized Iron Parts, Add	518.00	
	For Deck Clamp Assembly, Add	130.00	
	For Bronze Dome, Add	448.80	
	For Drain Receiver, Add	147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0004	EA 15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome .....	982.60	192.84
	For Galvanized Iron Parts, Add	518.00	
	For Deck Clamp Assembly, Add	130.00	
	For Bronze Dome, Add	448.80	
	For Drain Receiver, Add	147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0005	EA 15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome .....	1,062.95	241.05
	For Galvanized Iron Parts, Add	518.00	
	For Deck Clamp Assembly, Add	130.00	
	For Bronze Dome, Add	448.80	
	For Drain Receiver, Add	147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0006	EA 15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome .....	1,433.00	289.26
	For Galvanized Iron Parts, Add	518.00	
	For Deck Clamp Assembly, Add	130.00	
	For Bronze Dome, Add	448.80	
	For Drain Receiver, Add	147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0007	EA 15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome .....	1,473.17	321.37
	For Galvanized Iron Parts, Add	518.00	
	For Deck Clamp Assembly, Add	130.00	
	For Bronze Dome, Add	448.80	
	For Drain Receiver, Add	147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0008	EA 15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome .....	1,752.90	337.47
	For Galvanized Iron Parts, Add	518.00	
	For Deck Clamp Assembly, Add	130.00	
	For Bronze Dome, Add	448.80	
	For Drain Receiver, Add	147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0009	EA 15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome .....	2,399.74	349.53
	For Galvanized Iron Parts, Add	518.00	
	For Deck Clamp Assembly, Add	130.00	
	For Bronze Dome, Add	448.80	
	For Drain Receiver, Add	147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
<b>22 14 26 13-0010</b>	<b>Cast Iron Roof Drains With Expansion Joint</b> <small>(22 14 26 13-0001)</small>		
	Note: With polypropylene dome. Dome free area is 124 square inches.		
22 14 26 13-0011	EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome .....	1,445.58	160.73
	For Galvanized Iron Parts, Add	518.00	
	For Deck Clamp Assembly, Add	130.00	
	For Drain Receiver, Add	147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0012	EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome .....	1,563.89	192.84
	For Galvanized Iron Parts, Add	518.00	
	For Deck Clamp Assembly, Add	130.00	
	For Drain Receiver, Add	147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0013	EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome .....	1,718.15	241.05
	For Galvanized Iron Parts, Add	518.00	
	For Deck Clamp Assembly, Add	130.00	
	For Drain Receiver, Add	147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add	357.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0014 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome .....	2,385.83	289.26
<i>For Galvanized Iron Parts, Add</i>	518.00	
<i>For Deck Clamp Assembly, Add</i>	130.00	
<i>For Drain Receiver, Add</i>	147.00	
<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0015 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome .....	2,563.83	321.37
<i>For Galvanized Iron Parts, Add</i>	518.00	
<i>For Deck Clamp Assembly, Add</i>	130.00	
<i>For Drain Receiver, Add</i>	147.00	
<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
<b>22 14 26 13-0016 Cast Iron Roof Drains With Flat Bronze Promenade Top (22 14 26 13-0001)</b>		
22 14 26 13-0017 EA 14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top .....	1,980.12	160.73
<i>For Galvanized Iron Parts, Add</i>	480.00	
<i>For Deck Clamp Assembly, Add</i>	130.00	
<i>For Drain Receiver, Add</i>	147.00	
<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0018 EA 14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top .....	2,060.47	192.84
<i>For Galvanized Iron Parts, Add</i>	480.00	
<i>For Deck Clamp Assembly, Add</i>	130.00	
<i>For Drain Receiver, Add</i>	147.00	
<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0019 EA 14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top .....	2,140.82	241.05
<i>For Galvanized Iron Parts, Add</i>	480.00	
<i>For Deck Clamp Assembly, Add</i>	130.00	
<i>For Drain Receiver, Add</i>	147.00	
<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0020 EA 14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top .....	2,494.90	289.26
<i>For Galvanized Iron Parts, Add</i>	480.00	
<i>For Deck Clamp Assembly, Add</i>	130.00	
<i>For Drain Receiver, Add</i>	147.00	
<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0021 EA 14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top .....	2,535.07	321.37
<i>For Galvanized Iron Parts, Add</i>	480.00	
<i>For Deck Clamp Assembly, Add</i>	130.00	
<i>For Drain Receiver, Add</i>	147.00	
<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
<b>22 14 26 13-0022 Cast Iron Scupper Drain With L-Shaped Bronze Gate (22 14 26 13-0001)</b>		
22 14 26 13-0023 EA Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Gate .....	1,290.26	64.31
<i>For Galvanized Cast Iron Parts, Add</i>	128.00	
<i>For Vandal Proof Gate, Add</i>	33.00	
22 14 26 13-0024 EA Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Gate .....	1,322.40	80.32
<i>For Galvanized Cast Iron Parts, Add</i>	128.00	
<i>For Vandal Proof Gate, Add</i>	33.00	
22 14 26 13-0025 EA Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Gate .....	1,337.01	87.65
<i>For Galvanized Cast Iron Parts, Add</i>	128.00	
<i>For Vandal Proof Gate, Add</i>	33.00	
22 14 26 13-0026 EA Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Gate .....	1,883.07	116.19
<i>For Vandal Proof Gate, Add</i>	33.00	
<i>For Galvanized Iron Parts, Add</i>	258.00	
22 14 26 13-0027 EA Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Gate .....	1,934.33	141.84
<i>For Vandal Proof Gate, Add</i>	33.00	
<i>For Galvanized Iron Parts, Add</i>	258.00	
<b>22 14 26 13-0028 Cast Iron Roof Drain With Flat Cast Iron Gate (22 14 26 13-0001)</b>		
22 14 26 13-0029 EA 9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top .....	994.07	160.73
<i>For Galvanized Cast Iron Parts, Add</i>	144.00	
<i>For Deck Clamp Assembly, Add</i>	80.40	
<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	93.60	
22 14 26 13-0030 EA 9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top .....	1,074.42	192.84
<i>For Galvanized Cast Iron Parts, Add</i>	144.00	
<i>For Deck Clamp Assembly, Add</i>	80.40	
<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	93.60	
22 14 26 13-0031 EA 9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top .....	1,154.77	241.05
<i>For Galvanized Cast Iron Parts, Add</i>	144.00	
<i>For Deck Clamp Assembly, Add</i>	80.40	
<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	93.60	
<b>22 14 26 13-0032 Cast Iron Roof Drains With Large Cast Iron Dome (22 14 26 13-0001)</b>		
22 14 26 13-0033 EA 15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome .....	1,073.91	160.73
<i>For Galvanized Iron Parts, Add</i>	518.00	
<i>For Deck Clamp Assembly, Add</i>	130.00	
<i>For Drain Receiver, Add</i>	147.00	
<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0034 EA 15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome .....	1,154.26	192.84
<i>For Galvanized Iron Parts, Add</i>	518.00	
<i>For Deck Clamp Assembly, Add</i>	130.00	
<i>For Drain Receiver, Add</i>	147.00	
<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0035 EA 15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome.....	1,234.61	241.05
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0036 EA 15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome.....	1,604.66	289.26
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0037 EA 15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome.....	1,644.83	321.37
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0038 EA 15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome.....	1,924.56	337.47
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0039 EA 15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome.....	2,571.40	349.53
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
<b>22 14 26 13-0040 Aluminum Roof Drains (22 14 26 13)</b>		
<b>22 14 26 13-0041 Aluminum Dome Roof Drains (22 14 26 13-0040)</b>		
22 14 26 13-0042 EA 15" Diameter Roof Drain With 2" Outlet, Aluminum Dome.....	1,103.85	160.73
For Galvanized Cast Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0043 EA 15" Diameter Roof Drain With 3" Outlet, Aluminum Dome.....	1,184.20	192.84
For Galvanized Cast Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0044 EA 15" Diameter Roof Drain With 4" Outlet, Aluminum Dome.....	1,264.55	241.05
For Galvanized Cast Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0045 EA 15" Diameter Roof Drain With 6" Outlet, Aluminum Dome.....	1,674.77	321.08
For Galvanized Cast Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0046 EA 15" Diameter Roof Drain With 8" Outlet, Aluminum Dome.....	1,954.69	337.47
For Galvanized Cast Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0047 EA 15" Diameter Roof Drain With 10" Outlet, Aluminum Dome.....	2,601.35	349.53
For Galvanized Cast Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
<b>22 14 26 13-0048 Retrofit Roof Drains (22 14 26 13)</b>		
<b>22 14 26 13-0049 Copolymer Retrofit Roof Drains With Copolymer Strainer Dome (22 14 26 13-0048)</b>		
22 14 26 13-0050 EA Copolymer Retrofit 3" Roof Drains, With Copolymer Dome.....	778.18	192.84
22 14 26 13-0051 EA Copolymer Retrofit 4" Roof Drains, With Copolymer Dome.....	873.01	241.05
22 14 26 13-0052 EA Copolymer Retrofit 5" Roof Drains, With Copolymer Dome.....	1,051.46	289.26
22 14 26 13-0053 EA Copolymer Retrofit 6" Roof Drains, With Copolymer Dome.....	1,149.54	321.08
<b>22 14 26 13-0054 Copolymer Retrofit Roof Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)</b>		
22 14 26 13-0055 EA Copolymer Retrofit Drain, 3", With Cast Aluminum Dome.....	908.48	192.84
22 14 26 13-0056 EA Copolymer Retrofit Drain, 4", With Cast Aluminum Dome.....	997.52	241.05
22 14 26 13-0057 EA Copolymer Retrofit Drain, 5", With Cast Aluminum Dome.....	1,184.66	289.26
22 14 26 13-0058 EA Copolymer Retrofit Drain, 6", With Cast Aluminum Dome.....	1,242.20	321.08
<b>22 14 26 13-0059 Aluminum Retrofit Roof Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)</b>		
22 14 26 13-0060 EA Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome.....	783.97	192.84
For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0061 EA Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome.....	878.80	241.05
For Copolymer Strainer Dome, Deduct	-24.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				22 14 26 13-0062 EA Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome .....	1,057.25	289.26
				For Copolymer Strainer Dome, Deduct .....	-24.00	
				22 14 26 13-0063 EA Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome .....	1,109.00	321.08
				For Copolymer Strainer Dome, Deduct .....	-24.00	
<b>22 14 26 13-0064 Bronze Downspout Nozzles (22 14 26 13)</b>						
				22 14 26 13-0065 EA 2" Outlet, Bronze Roof Drain Downspout Nozzle.....	476.09	96.42
				22 14 26 13-0066 EA 3" Outlet, Bronze Roof Drain Downspout Nozzle.....	476.09	96.42
				22 14 26 13-0067 EA 4" Outlet, Bronze Roof Drain Downspout Nozzle.....	476.09	96.42
				22 14 26 13-0068 EA 5" Outlet, Bronze Roof Drain Downspout Nozzle.....	751.02	120.53
				22 14 26 13-0069 EA 6" Outlet, Bronze Roof Drain Downspout Nozzle.....	751.02	120.53
				22 14 26 13-0070 EA 8" Outlet, Bronze Roof Drain Downspout Nozzle.....	988.45	120.53
<b>22 14 26 16 Facility Area Drains (22 14 26)</b>						
<b>22 14 26 16-0001 Area Drain (22 14 26 16)</b>						
				22 14 26 16-0002 EA 12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,146.18	116.09
				For Galvanized Cast Iron Parts, Add .....	152.25	
				For Ductile Iron Grate, Add .....	123.50	
				For Vandal Proof Screws, Add .....	29.50	
				For Primer Tap, Add .....	36.00	
				22 14 26 16-0003 EA 12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,171.21	128.62
				For Galvanized Cast Iron Parts, Add .....	152.25	
				For Ductile Iron Grate, Add .....	123.50	
				For Vandal Proof Screws, Add .....	29.50	
				For Primer Tap, Add .....	36.00	
				22 14 26 16-0004 EA 12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,197.55	141.84
				For Galvanized Cast Iron Parts, Add .....	152.25	
				For Ductile Iron Grate, Add .....	123.50	
				For Vandal Proof Screws, Add .....	29.50	
				For Primer Tap, Add .....	36.00	
				22 14 26 16-0005 EA 12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,224.99	155.53
				For Galvanized Cast Iron Parts, Add .....	152.25	
				For Ductile Iron Grate, Add .....	123.50	
				For Vandal Proof Screws, Add .....	29.50	
				For Primer Tap, Add .....	36.00	
				22 14 26 16-0006 EA 12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,909.87	116.09
				For Galvanized Cast Iron Parts, Add .....	152.25	
				For Ductile Iron Grate, Add .....	123.50	
				For Vandal Proof Screws, Add .....	29.50	
				For Primer Tap, Add .....	36.00	
				22 14 26 16-0007 EA 12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,934.90	128.62
				For Galvanized Cast Iron Parts, Add .....	152.25	
				For Ductile Iron Grate, Add .....	123.50	
				For Vandal Proof Screws, Add .....	29.50	
				For Primer Tap, Add .....	36.00	
				22 14 26 16-0008 EA 12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,961.24	141.84
				For Galvanized Cast Iron Parts, Add .....	152.25	
				For Ductile Iron Grate, Add .....	123.50	
				For Vandal Proof Screws, Add .....	29.50	
				For Primer Tap, Add .....	36.00	
				22 14 26 16-0009 EA 12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,988.68	155.53
				For Galvanized Cast Iron Parts, Add .....	152.25	
				For Ductile Iron Grate, Add .....	123.50	
				For Vandal Proof Screws, Add .....	29.50	
				For Primer Tap, Add .....	36.00	
				22 14 26 16-0010 EA 12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,932.36	116.09
				For Galvanized Cast Iron Parts, Add .....	152.25	
				For Ductile Iron Grate, Add .....	123.50	
				For Vandal Proof Screws, Add .....	29.50	
				For Primer Tap, Add .....	36.00	
				22 14 26 16-0011 EA 12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,957.39	128.62
				For Galvanized Cast Iron Parts, Add .....	152.25	
				For Ductile Iron Grate, Add .....	123.50	
				For Vandal Proof Screws, Add .....	29.50	
				For Primer Tap, Add .....	36.00	
				22 14 26 16-0012 EA 12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,983.73	141.84
				For Galvanized Cast Iron Parts, Add .....	152.25	
				For Ductile Iron Grate, Add .....	123.50	
				For Vandal Proof Screws, Add .....	29.50	
				For Primer Tap, Add .....	36.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0013	EA		12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,011.17	155.53
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0014	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,413.75	116.09
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0015	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,438.78	128.62
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0016	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,465.12	141.84
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0017	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,492.56	155.53
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0018	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,096.84	116.09
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0019	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,121.87	128.62
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0020	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,148.21	141.84
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0021	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,175.65	155.53
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0022	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,076.57	116.09
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0023	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,101.60	128.62
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0024	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,127.94	141.84
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0025	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,155.38	155.53
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0026	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,364.37	116.09
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0027	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,389.40	128.62
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0028	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,415.74	141.84
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0029	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	799.67	116.09
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0030	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	824.70	128.62
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0031 EA 9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	851.04	141.84
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0032 EA 9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,282.13	116.09
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0033 EA 9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,307.16	128.62
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0034 EA 9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,333.50	141.84
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0035 EA 12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	4,250.90	116.09
<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	126.00	
22 14 26 16-0036 EA 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	4,275.93	128.62
<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	126.00	
22 14 26 16-0037 EA 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	4,302.27	141.84
<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	126.00	
22 14 26 16-0038 EA 12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	2,740.47	116.09
<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	126.00	
22 14 26 16-0039 EA 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	2,765.50	128.62
<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	126.00	
22 14 26 16-0040 EA 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	2,791.84	141.84
<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	126.00	
22 14 26 16-0041 EA 12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	3,987.74	116.09
<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	126.00	
22 14 26 16-0042 EA 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	4,012.77	128.62
<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	126.00	
22 14 26 16-0043 EA 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	4,039.11	141.84
<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	126.00	
<b>22 14 26 16-0044 Wash Area Drain</b> <small>(22 14 26 16)</small>		
Note: Fox Drain DD-400		
22 14 26 16-0045 EA 18.5" x 18.5" Fox Drain DD-400 With 4" Bottom Outlet, Stainless Steel Top, Polyethylene Chamber And Diverter Valve.....	3,643.06	155.53
<b>22 14 26 19 Facility Trench Drains</b> <small>(22 14 26)</small>		
<b>22 14 26 19-0001 Trench Drain</b> <small>(22 14 26 19)</small>		
Note: Each section is 39.4" in length.		
22 14 26 19-0002 EA 6" Wide Trench Drain x 9' Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,081.47	116.09
<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
<i>For Vandal Proof Screws, Add</i>	48.50	
<i>For Ductile Iron Grate, Add</i>	66.00	
22 14 26 19-0003 EA 6" Wide Trench Drain x 9' Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,106.50	128.62
<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
<i>For Vandal Proof Screws, Add</i>	48.50	
<i>For Ductile Iron Grate, Add</i>	66.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0004	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,132.84	141.84
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
22 14 26 19-0005	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	642.87	116.09
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
22 14 26 19-0006	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	667.90	128.62
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
22 14 26 19-0007	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	694.24	141.84
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
22 14 26 19-0008	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,021.71	116.09
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
22 14 26 19-0009	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,046.74	128.62
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
22 14 26 19-0010	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,073.08	141.84
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
22 14 26 19-0011	EA		6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	964.87	57.85
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
22 14 26 19-0012	EA		6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	526.27	57.85
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
22 14 26 19-0013	EA		6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	905.11	57.85
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
22 14 26 19-0014	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,737.92	116.09
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
22 14 26 19-0015	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,762.95	128.62
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
22 14 26 19-0016	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,789.29	141.84
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
22 14 26 19-0017	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,195.22	116.09
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0018 EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,220.25	128.62
<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
<i>For Vandal Proof Screws, Add</i>	48.50	
<i>For Ductile Iron Grate, Add</i>	181.50	
<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
<i>For Sediment Bucket, Add</i>	116.00	
<i>For Galvanized Sediment Bucket, Add</i>	188.50	
22 14 26 19-0019 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,246.59	141.84
<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
<i>For Vandal Proof Screws, Add</i>	48.50	
<i>For Ductile Iron Grate, Add</i>	181.50	
<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
<i>For Sediment Bucket, Add</i>	116.00	
<i>For Galvanized Sediment Bucket, Add</i>	188.50	
22 14 26 19-0020 EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,663.70	116.09
<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
<i>For Vandal Proof Screws, Add</i>	48.50	
<i>For Ductile Iron Grate, Add</i>	181.50	
<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
<i>For Sediment Bucket, Add</i>	116.00	
<i>For Galvanized Sediment Bucket, Add</i>	188.50	
22 14 26 19-0021 EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,688.73	128.62
<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
<i>For Vandal Proof Screws, Add</i>	48.50	
<i>For Ductile Iron Grate, Add</i>	181.50	
<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
<i>For Sediment Bucket, Add</i>	116.00	
<i>For Galvanized Sediment Bucket, Add</i>	188.50	
22 14 26 19-0022 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,715.07	141.84
<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
<i>For Vandal Proof Screws, Add</i>	48.50	
<i>For Ductile Iron Grate, Add</i>	181.50	
<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
<i>For Sediment Bucket, Add</i>	116.00	
<i>For Galvanized Sediment Bucket, Add</i>	188.50	
22 14 26 19-0023 EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,448.73	116.09
<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
<i>For Vandal Proof Screws, Add</i>	48.50	
<i>For Ductile Iron Grate, Add</i>	181.50	
<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
<i>For Sediment Bucket, Add</i>	116.00	
<i>For Galvanized Sediment Bucket, Add</i>	188.50	
22 14 26 19-0024 EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,473.76	128.62
<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
<i>For Vandal Proof Screws, Add</i>	48.50	
<i>For Ductile Iron Grate, Add</i>	181.50	
<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
<i>For Sediment Bucket, Add</i>	116.00	
<i>For Galvanized Sediment Bucket, Add</i>	188.50	
22 14 26 19-0025 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,500.10	141.84
<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
<i>For Vandal Proof Screws, Add</i>	48.50	
<i>For Ductile Iron Grate, Add</i>	181.50	
<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
<i>For Sediment Bucket, Add</i>	116.00	
<i>For Galvanized Sediment Bucket, Add</i>	188.50	
22 14 26 19-0026 EA 12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,621.31	57.85
<i>For Vandal Proof Screws, Add</i>	48.50	
<i>For Ductile Iron Grate, Add</i>	181.50	
<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0027 EA 12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,078.61	57.85
<i>For Vandal Proof Screws, Add</i>	48.50	
<i>For Ductile Iron Grate, Add</i>	181.50	
<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0028 EA 12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,547.09	57.85
<i>For Vandal Proof Screws, Add</i>	48.50	
<i>For Ductile Iron Grate, Add</i>	181.50	
<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0029 EA 12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,332.12	57.85
<i>For Vandal Proof Screws, Add</i>	48.50	
<i>For Ductile Iron Grate, Add</i>	181.50	
<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	

**22 14 29 Sump Pumps (22 14)**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

See CSI section 22 11 16 00-0000 for pipe extensions into well.

**22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps** (22 14 29)

<b>22 14 29 13-0001</b>	<b>Vertical Mounted Sump Pumps</b> (22 14 29 13)		
	Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.		
22 14 29 13-0002	EA 1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head.....	4,894.48	279.79
	For Explosion Proof Motor, Add	274.20	
22 14 29 13-0003	EA 1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head.....	5,187.41	338.64
	For Explosion Proof Motor, Add	304.83	
22 14 29 13-0004	EA 2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head.....	5,931.00	402.32
	For Explosion Proof Motor, Add	393.80	
22 14 29 13-0005	EA 3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head.....	6,346.37	494.94
	For Explosion Proof Motor, Add	446.30	
22 14 29 13-0006	EA 5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head.....	6,706.37	536.42
	For Explosion Proof Motor, Add	651.95	
22 14 29 13-0007	EA 10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head.....	7,954.95	643.51
	For Explosion Proof Motor, Add	739.46	
22 14 29 13-0008	EA 15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head.....	9,279.91	666.37
	For Explosion Proof Motor, Add	1,212.01	
22 14 29 13-0009	EA 20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head.....	11,274.46	825.55
	For Explosion Proof Motor, Add	1,608.73	
22 14 29 13-0010	EA 30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head.....	12,198.23	962.81
	For Explosion Proof Motor, Add	2,085.66	
22 14 29 13-0011	EA 50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head.....	16,331.25	1,155.78
	For Explosion Proof Motor, Add	2,717.19	
22 14 29 13-0012	EA 60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head.....	22,520.33	1,283.74
	For Explosion Proof Motor, Add	4,306.95	

**22 14 29 13-0013 Extra Column Assemblies** (22 14 29 13)

22 14 29 13-0014	EA 1-1/2" Diameter x 5' Long Extra Column Assembly.....	755.69	
22 14 29 13-0015	EA 2" Diameter x 5' Long Extra Column Assembly.....	826.90	
22 14 29 13-0016	EA 2-1/2" Diameter x 5' Long Extra Column Assembly.....	904.82	
22 14 29 13-0017	EA 3" Diameter x 5' Long Extra Column Assembly.....	1,086.42	
22 14 29 13-0018	EA 4" Diameter x 5' Long Extra Column Assembly.....	1,214.32	
22 14 29 13-0019	EA 5" Diameter x 5' Long Extra Column Assembly.....	1,236.43	
22 14 29 13-0020	EA 6" Diameter x 5' Long Extra Column Assembly.....	1,388.02	
22 14 29 13-0021	EA 8" Diameter x 5' Long Extra Column Assembly.....	1,518.82	

**22 14 29 13-0022 Support Plate** (22 14 29 13)

22 14 29 13-0023	EA 24" Steel Support Plate, Round Or Square.....	791.81	38.57
22 14 29 13-0024	EA 30" Steel Support Plate, Round Or Square.....	876.49	43.39
22 14 29 13-0025	EA 36" Steel Support Plate, Round Or Square.....	1,216.98	57.85
22 14 29 13-0026	EA 40" Steel Support Plate, Round Or Square.....	1,771.23	67.50
22 14 29 13-0027	EA 42" Steel Support Plate, Round Or Square.....	1,899.69	69.91
22 14 29 13-0028	EA 48" Steel Support Plate, Round Or Square.....	2,031.90	72.32
22 14 29 13-0029	EA 54" Steel Support Plate, Round Or Square.....	2,590.15	86.78
22 14 29 13-0030	EA 60" Steel Support Plate, Round Or Square.....	3,515.42	96.42
22 14 29 13-0031	EA 72" Steel Support Plate, Round Or Square.....	4,695.68	120.53
22 14 29 13-0032	EA 84" Steel Support Plate, Round Or Square.....	5,673.53	132.58

**22 14 29 16 Submersible Sump Pumps** (22 14 29)

<b>22 14 29 16-0001</b>	<b>Submersible Sump Pump With Vortex Impeller</b> (22 14 29 16)		
<b>22 14 29 16-0002</b>	<b>Submersible Sump Pump With Cast Iron Vortex Impeller</b> (22 14 29 16-0001)		
22 14 29 16-0003	EA 1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	436.99	62.82
22 14 29 16-0004	EA 1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	483.72	62.82
22 14 29 16-0005	EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	758.12	66.48
22 14 29 16-0006	EA 1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	832.06	66.48
<b>22 14 29 16-0007</b>	<b>Submersible Sump Pump With Bronze Vortex Impeller</b> (22 14 29 16-0001)		
	Note: Includes 20' of cord with pump.		
22 14 29 16-0008	EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,273.66	66.48
22 14 29 16-0009	EA 1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,385.09	66.48
22 14 29 16-0010	EA 1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,455.31	73.28
22 14 29 16-0011	EA 1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,574.44	73.28
22 14 29 16-0012	EA 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,621.25	83.75
22 14 29 16-0013	EA 1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,738.33	83.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0014 EA 2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,742.21	99.46
22 14 29 16-0015 EA 2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,843.88	99.46
<b>22 14 29 16-0016 Submersible Sump Pump With Semi-Open Impeller</b> (22 14 29 16)		
Note: Includes 20' of cord with pump.		
22 14 29 16-0017 EA 1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,055.88	62.82
22 14 29 16-0018 EA 1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,090.17	62.82
22 14 29 16-0019 EA 1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,361.05	66.48
22 14 29 16-0020 EA 1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,385.14	66.48
22 14 29 16-0021 EA 3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,661.58	70.15
22 14 29 16-0022 EA 3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,661.58	70.15
22 14 29 16-0023 EA 1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,757.31	73.28
22 14 29 16-0024 EA 1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,757.31	73.28
22 14 29 16-0025 EA 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	2,005.57	83.75
22 14 29 16-0026 EA 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	2,005.57	83.75
22 14 29 16-0027 EA 2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	2,332.88	99.46
22 14 29 16-0028 EA 2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	2,291.18	99.46
<b>22 14 29 19 Sump-Pump Basins and Pits</b> (22 14 29)		
See CSI section 22 13 29 33-0000 for basins and pits.		
<b>22 15 General Service Compressed-Air Systems</b> (22 10)		
<b>22 15 13 General Service Compressed-Air Piping</b> (22 15)		
See CSI section 22 11 16 00-0013 for threaded galvanized steel pipe, 23 21 13 23-0001 for threaded black steel pipe.		
22 15 13 00-0001 Quick Disconnect, Air-Service (22 15 13)		
22 15 13 00-0002 Combination Steel And Brass (22 15 13 00-0001)		
22 15 13 00-0003 EA 1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	49.96	14.66
22 15 13 00-0004 EA 3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	55.68	17.79
<b>22 15 13 00-0005 Refrigerated Air Dryers With Ambient Air Filters</b> (22 15 13)		
Note: 120 Voltage, 1 Phase		
22 15 13 00-0006 EA 3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	755.43	83.52
22 15 13 00-0007 EA 5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	866.70	85.85
22 15 13 00-0008 EA 7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,024.82	88.17
22 15 13 00-0009 EA 10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,155.40	92.81
22 15 13 00-0010 EA 15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,509.88	104.41
22 15 13 00-0011 EA 20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,707.08	118.80
22 15 13 00-0012 EA 25 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,914.54	134.57
22 15 13 00-0013 EA 30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,252.48	150.81
22 15 13 00-0014 EA 40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,610.63	176.34
22 15 13 00-0015 EA 50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,944.92	188.40
22 15 13 00-0016 EA 60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,464.37	208.82
22 15 13 00-0017 EA 75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,987.58	232.02
For 230 Voltage, Add		
22 15 13 00-0018 EA 85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	4,308.75	255.23
For 230 Voltage, Add		
22 15 13 00-0019 EA 100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	4,638.01	283.07
For 230 Voltage, Add		
22 15 13 00-0020 EA 125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,015.76	301.63
For 230 Voltage, Add		
22 15 13 00-0021 EA 175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,305.65	313.24
For 230 Voltage, Add		
22 15 13 00-0022 EA 200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	9,256.46	324.84
For 230 Voltage, Add		
22 15 13 00-0023 EA 250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	9,950.42	336.44
For 230 Voltage, Add		
22 15 13 00-0024 EA 300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	10,625.01	348.04
For 230 Voltage, Add		
22 15 13 00-0025 EA 400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	12,635.22	371.24
For 230 Voltage, Add		
22 15 13 00-0026 EA 500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	14,319.15	464.05
For 230 Voltage, Add		
22 15 13 00-0027 EA 600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	20,396.17	556.86
For 230 Voltage, Add		

**22 Plumbing****22 10 Plumbing Piping****22 15 General Service Compressed-Air Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0028	EA		800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	27,725.84 7,927.95	649.66
22 15 13 00-0029	EA		1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	31,039.00 8,866.22	742.48
<b>22 15 13 00-0030</b>			<b>Oil And Water Separator For Air Compressor (22 15 13)</b>		
22 15 13 00-0031	EA		0-60 SCFM Oil/Water Separator.....	687.74	33.52
22 15 13 00-0032	EA		85 SCFM Oil/Water Separator.....	922.27	39.27
22 15 13 00-0033	EA		190 SCFM Oil/Water Separator.....	1,078.21	44.52
22 15 13 00-0034	EA		245 SCFM Oil/Water Separator.....	1,354.15	52.37
22 15 13 00-0035	EA		320 SCFM Oil/Water Separator.....	1,609.46	62.84
22 15 13 00-0036	EA		700 SCFM Oil/Water Separator.....	3,243.93	130.93
<b>22 15 13 00-0037</b>			<b>Heavy Duty Industrial Pressure Regulator (22 15 13)</b>		
22 15 13 00-0038	EA		3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	115.49	27.84
22 15 13 00-0039	EA		1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	161.53	37.12
22 15 13 00-0040	EA		3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	278.36	46.40
22 15 13 00-0041	EA		1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	347.39	69.61
22 15 13 00-0042	EA		1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	487.84	81.21
22 15 13 00-0043	EA		1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	511.05	92.81
<b>22 15 13 00-0044</b>			<b>Combination Air System; Filter Regulator Lubricator (22 15 13)</b>		
22 15 13 00-0045	EA		3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter.....	441.81	83.52
22 15 13 00-0046	EA		1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter.....	545.99	111.37
<b>22 15 13 00-0047</b>			<b>Heatless Desiccant Air Dryers (22 15 13)</b>		
22 15 13 00-0048	EA		5 SCFM Heatless Desiccant Air Dryer.....	2,660.53	83.52
22 15 13 00-0049	EA		10 SCFM Heatless Desiccant Air Dryer.....	3,200.02	92.81
22 15 13 00-0050	EA		15 SCFM Heatless Desiccant Air Dryer.....	3,229.89	102.09
22 15 13 00-0051	EA		20 SCFM Heatless Desiccant Air Dryer.....	3,689.35	116.01
22 15 13 00-0052	EA		30 SCFM Heatless Desiccant Air Dryer.....	5,085.31	139.21
22 15 13 00-0053	EA		50 SCFM Heatless Desiccant Air Dryer.....	5,014.87	185.62
22 15 13 00-0054	EA		85 SCFM Heatless Desiccant Air Dryer.....	6,738.53	232.02
22 15 13 00-0055	EA		100 SCFM Heatless Desiccant Air Dryer.....	7,146.19	278.43
22 15 13 00-0056	EA		125 SCFM Heatless Desiccant Air Dryer.....	8,180.32	324.84
22 15 13 00-0057	EA		175 SCFM Heatless Desiccant Air Dryer.....	9,393.73	371.24
22 15 13 00-0058	EA		200 SCFM Heatless Desiccant Air Dryer.....	10,091.84	417.64
22 15 13 00-0059	EA		300 SCFM Heatless Desiccant Air Dryer.....	12,347.26	464.05
22 15 13 00-0060	EA		400 SCFM Heatless Desiccant Air Dryer.....	13,709.54	556.86
22 15 13 00-0061	EA		500 SCFM Heatless Desiccant Air Dryer.....	15,844.42	649.66
22 15 13 00-0062	EA		600 SCFM Heatless Desiccant Air Dryer.....	18,283.16	742.48
<b>22 15 13 00-0063</b>			<b>Air Cooled Aftercoolers (22 15 13)</b>		
22 15 13 00-0064	EA		20 SCFM Air-Cooled Aftercooler.....	665.57	58.00
22 15 13 00-0065	EA		35 SCFM Air-Cooled Aftercooler.....	900.49	69.61
22 15 13 00-0066	EA		43 SCFM Air-Cooled Aftercooler.....	988.34	81.21
22 15 13 00-0067	EA		70 SCFM Air-Cooled Aftercooler.....	1,208.74	92.81
22 15 13 00-0068	EA		125 SCFM Air-Cooled Aftercooler.....	1,687.72	104.41
22 15 13 00-0069	EA		185 SCFM Air-Cooled Aftercooler.....	1,895.19	116.01
22 15 13 00-0070	EA		260 SCFM Air-Cooled Aftercooler.....	3,683.00	139.21
22 15 13 00-0071	EA		365 SCFM Air-Cooled Aftercooler.....	3,847.73	162.41
22 15 13 00-0072	EA		560 SCFM Air-Cooled Aftercooler.....	4,011.15	185.62
22 15 13 00-0073	EA		650 SCFM Air-Cooled Aftercooler.....	4,705.36	208.82
22 15 13 00-0074	EA		750 SCFM Air-Cooled Aftercooler.....	5,143.56	232.02
22 15 13 00-0075	EA		900 SCFM Air-Cooled Aftercooler.....	5,899.84	255.23
22 15 13 00-0076	EA		1,100 SCFM Air-Cooled Aftercooler.....	7,581.95	278.43
22 15 13 00-0077	EA		1,460 SCFM Air-Cooled Aftercooler.....	8,675.06	301.63
22 15 13 00-0078	EA		1,800 SCFM Air-Cooled Aftercooler.....	8,955.83	324.84
22 15 13 00-0079	EA		2,500 SCFM Air-Cooled Aftercooler.....	9,603.51	348.04
<b>22 15 13 00-0080</b>			<b>Compressed Air Coalescing Filters (22 15 13)</b>		
<b>22 15 13 00-0081</b>			<b>1.0 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0080)</b>		
22 15 13 00-0082	EA		10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	229.72	34.04
22 15 13 00-0083	EA		20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	274.98	34.04
22 15 13 00-0084	EA		50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating.....	299.99	39.27
22 15 13 00-0085	EA		75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	345.46	45.04
22 15 13 00-0086	EA		100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	403.37	49.76
22 15 13 00-0087	EA		140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating.....	456.64	60.23
22 15 13 00-0088	EA		175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating.....	520.16	65.46
22 15 13 00-0089	EA		250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating.....	596.75	78.56
22 15 13 00-0090	EA		280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	765.50	104.75
22 15 13 00-0091	EA		350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	875.73	117.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 15 13 00-0092</b> <b>0.01 Micron Filter Rated Compressed Air Coalescing Filters</b> <small>(22 15 13 00-0080)</small>		
22 15 13 00-0093 EA 16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating.....	281.44	34.04
22 15 13 00-0094 EA 30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	304.82	39.27
22 15 13 00-0095 EA 60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating.....	349.98	45.04
22 15 13 00-0096 EA 100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating.....	412.43	44.52
22 15 13 00-0097 EA 140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	466.98	60.23
22 15 13 00-0098 EA 180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	530.16	65.46
22 15 13 00-0099 EA 250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	608.39	78.56
22 15 13 00-0100 EA 280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	784.89	104.75
22 15 13 00-0101 EA 350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	901.60	117.83
<b>22 15 13 00-0102</b> <b>Compressed Air Storage Tanks</b> <small>(22 15 13)</small>		
<b>22 15 13 00-0103</b> <b>Horizontal Compressed Air Storage Tanks</b> <small>(22 15 13 00-0102)</small>		
22 15 13 00-0104 EA 12 Gallon Horizontal Compressed Air Storage Tank, ASME.....	374.77	74.25
22 15 13 00-0105 EA 15 Gallon Horizontal Compressed Air Storage Tank, ASME.....	686.62	81.21
22 15 13 00-0106 EA 20 Gallon Horizontal Compressed Air Storage Tank, ASME.....	727.74	85.38
22 15 13 00-0107 EA 30 Gallon Horizontal Compressed Air Storage Tank, ASME.....	831.38	92.81
22 15 13 00-0108 EA 60 Gallon Horizontal Compressed Air Storage Tank, ASME.....	1,083.74	125.29
22 15 13 00-0109 EA 80 Gallon Horizontal Compressed Air Storage Tank, ASME.....	1,312.75	139.21
22 15 13 00-0110 EA 120 Gallon Horizontal Compressed Air Storage Tank, ASME.....	1,986.25	162.41
22 15 13 00-0111 EA 200 Gallon Horizontal Compressed Air Storage Tank, ASME.....	2,982.78	185.62
22 15 13 00-0112 EA 240 Gallon Horizontal Compressed Air Storage Tank, ASME.....	3,329.04	197.22
22 15 13 00-0113 EA 325 Gallon Horizontal Compressed Air Storage Tank, ASME.....	4,840.63	208.82
22 15 13 00-0114 EA 400 Gallon Horizontal Compressed Air Storage Tank, ASME.....	6,389.16	243.63
22 15 13 00-0115 EA 660 Gallon Horizontal Compressed Air Storage Tank, ASME.....	9,213.11	290.03
<b>22 15 13 00-0116</b> <b>Vertical Compressed Air Storage Tanks</b> <small>(22 15 13 00-0102)</small>		
22 15 13 00-0117 EA 10 Gallon Vertical Compressed Air Storage Tank, ASME.....	639.93	74.25
22 15 13 00-0118 EA 15 Gallon Vertical Compressed Air Storage Tank, ASME.....	670.24	81.21
22 15 13 00-0119 EA 20 Gallon Vertical Compressed Air Storage Tank, ASME.....	727.74	85.38
22 15 13 00-0120 EA 30 Gallon Vertical Compressed Air Storage Tank, ASME.....	863.81	92.81
22 15 13 00-0121 EA 60 Gallon Vertical Compressed Air Storage Tank, ASME.....	1,181.05	125.29
22 15 13 00-0122 EA 80 Gallon Vertical Compressed Air Storage Tank, ASME.....	1,359.61	139.21
22 15 13 00-0123 EA 120 Gallon Vertical Compressed Air Storage Tank, ASME.....	1,884.36	162.41
22 15 13 00-0124 EA 200 Gallon Vertical Compressed Air Storage Tank, ASME.....	2,772.77	185.62
22 15 13 00-0125 EA 240 Gallon Vertical Compressed Air Storage Tank, ASME.....	3,061.35	197.22
22 15 13 00-0126 EA 325 Gallon Vertical Compressed Air Storage Tank, ASME.....	4,185.38	208.82
22 15 13 00-0127 EA 400 Gallon Vertical Compressed Air Storage Tank, ASME.....	5,372.21	243.63
22 15 13 00-0128 EA 500 Gallon Vertical Compressed Air Storage Tank, ASME.....	7,024.00	266.83
22 15 13 00-0129 EA 660 Gallon Vertical Compressed Air Storage Tank, ASME.....	11,726.30	301.63
<b>22 15 19</b> <b>General Service Packaged Air Compressors and Receivers</b> <small>(22 15)</small>		
Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.		
<b>22 15 19 13</b> <b>General Service Packaged Reciprocating Air Compressors</b> <small>(22 15 19)</small>		
<b>22 15 19 13-0001</b> <b>Single Stage Compressor</b> <small>(22 15 19 13)</small>		
Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.		
22 15 19 13-0002 EA 1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	2,806.98	329.29
22 15 19 13-0003 EA 3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	2,928.69	380.05
22 15 19 13-0004 EA 1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	3,340.38	448.83
22 15 19 13-0005 EA 2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	3,807.40	495.24
22 15 19 13-0006 EA 3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	4,666.64	523.07
22 15 19 13-0007 EA 3 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure.....	4,988.07	541.64
22 15 19 13-0008 EA 5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure.....	5,600.14	619.04
22 15 19 13-0009 EA 5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure.....	6,007.59	656.17
22 15 19 13-0010 EA 7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure.....	7,213.05	742.85
<b>22 15 19 13-0011</b> <b>Two Stage Compressor</b> <small>(22 15 19 13)</small>		
Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.		
22 15 19 13-0012 EA 1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure.....	5,372.85	578.76
22 15 19 13-0013 EA 2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure.....	5,761.23	680.94
22 15 19 13-0014 EA 3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure.....	6,018.46	742.85
22 15 19 13-0015 EA 5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure.....	6,855.87	990.46
22 15 19 13-0016 EA 5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure.....	7,400.01	990.46
22 15 19 13-0017 EA 7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure.....	7,925.29	1,238.08
22 15 19 13-0018 EA 7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure.....	8,418.81	1,238.08
22 15 19 13-0019 EA 10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure.....	10,798.76	1,531.35
22 15 19 13-0020 EA 10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure.....	11,579.97	1,577.76
22 15 19 13-0021 EA 15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure.....	12,511.04	1,843.94
22 15 19 13-0022 EA 20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure.....	18,939.95	2,087.29
22 15 19 13-0023 EA 25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure.....	20,332.00	2,358.56
22 15 19 13-0024 EA 30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure.....	22,665.15	2,606.74
22 15 19 13-0025 EA 30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure.....	24,654.62	2,856.86

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 15</b>	<b>General Service Compressed-Air Systems</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**22 15 19 19** **General Service Packaged Rotary-Screw Air Compressors** (22 15 19)

<b>22 15 19 19-0001</b>	<b>Rotary Screw Air Compressor, Base Mounted Without Receiver</b> <small>(22 15 19 19)</small>	
	Note: Oil flooded.	
22 15 19 19-0002	EA 3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated .....	9,198.88 835.85
22 15 19 19-0003	EA 5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated ....	10,237.93 1,114.47
22 15 19 19-0004	EA 7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated ....	13,132.13 1,397.29
22 15 19 19-0005	EA 10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	15,160.18 1,780.65
22 15 19 19-0006	EA 15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	17,343.17 2,094.88
22 15 19 19-0007	EA 20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	21,070.04 2,356.74
22 15 19 19-0008	EA 25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated ...	23,083.47 2,618.60
22 15 19 19-0009	EA 30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated ...	27,802.47 2,932.83
22 15 19 19-0010	EA 40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated ...	30,574.18 3,142.32
22 15 19 19-0011	EA 50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated ...	34,342.39 3,386.38
22 15 19 19-0012	EA 60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated ....	44,774.45 3,666.04
22 15 19 19-0013	EA 75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated ....	49,710.07 3,875.53
22 15 19 19-0014	EA 100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	80,106.03 4,189.76
22 15 19 19-0015	EA 125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	100,051.70 4,530.17
22 15 19 19-0016	EA 150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	116,284.85 4,875.83
22 15 19 19-0017	EA 220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	151,485.23 5,237.20
22 15 19 19-0018	EA 250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	172,169.24 5,572.38

**22 15 19 19-0019** **Rotary Screw Air Compressor, Base Mounted With Receiver** (22 15 19 19)

Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 19-0020	EA 5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	11,470.48 1,114.47
22 15 19 19-0021	EA 5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	12,199.38 1,114.47
22 15 19 19-0022	EA 7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	13,711.71 1,397.29
22 15 19 19-0023	EA 7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	14,508.94 1,397.29
22 15 19 19-0024	EA 10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	15,479.08 1,780.65
22 15 19 19-0025	EA 10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	16,321.87 1,780.65
22 15 19 19-0026	EA 15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	17,606.38 2,094.88
22 15 19 19-0027	EA 15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	18,517.51 2,094.88
22 15 19 19-0028	EA 20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	30,667.21 2,356.74
22 15 19 19-0029	EA 25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	33,022.32 2,618.60
22 15 19 19-0030	EA 30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	35,149.68 2,932.83

**22 30 Plumbing Equipment** (22)

**22 31 Domestic Water Softeners** (22 30)

**22 31 13 Residential Domestic Water Softeners** (22 31)

See CSI section 11 30 13 13-0109 for residential water softener.

**22 31 16 Commercial Domestic Water Softeners** (22 31)

22 31 16 00-0001	<b>Commercial Water Softeners (Watts Pure Water)</b> <small>(22 31 16)</small>	
22 31 16 00-0002	<b>Commercial Water Softeners (Watts Pure Water)</b> <small>(22 31 16 00-0001)</small>	
22 31 16 00-0003	<b>1" Pipe Connection, Commercial Water Softeners (Watts Pure Water)</b> <small>(22 31 16 00-0002)</small>	
	Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.	
22 31 16 00-0004	EA 30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11) .....	4,898.14 265.16
22 31 16 00-0005	EA 45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11) .....	5,119.83 277.21
22 31 16 00-0006	EA 60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11) .....	5,532.70 289.26
22 31 16 00-0007	EA 90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11) .....	6,389.59 301.32
22 31 16 00-0008	EA 120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11) .....	6,815.20 313.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 31 16 00-0009</b> <b>1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water)</b> <sup>(22 31 16 00-0002)</sup> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0010 EA 60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11).....	7,408.57	289.26
22 31 16 00-0011 EA 90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11).....	7,793.84	301.32
22 31 16 00-0012 EA 120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11).....	8,221.58	313.37
22 31 16 00-0013 EA 150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11).....	9,800.77	325.42
22 31 16 00-0014 EA 210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11).....	10,910.45	337.47
22 31 16 00-0015 EA 300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11).....	13,324.55	349.53
<b>22 31 16 00-0016</b> <b>2" Pipe Connection, Commercial Water Softeners (Watts Pure Water)</b> <sup>(22 31 16 00-0002)</sup> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0017 EA 90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11).....	11,341.63	301.32
22 31 16 00-0018 EA 120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11).....	11,754.50	313.37
22 31 16 00-0019 EA 150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11).....	13,337.95	325.42
22 31 16 00-0020 EA 210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11).....	14,447.63	337.47
22 31 16 00-0021 EA 300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11).....	16,993.44	349.53
22 31 16 00-0022 EA 450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11).....	22,479.45	361.58
22 31 16 00-0023 EA 600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11).....	26,329.66	373.63
<b>22 31 16 00-0024</b> <b>3" Pipe Connection, Commercial Water Softeners (Watts Pure Water)</b> <sup>(22 31 16 00-0002)</sup> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025 EA 300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11).....	27,666.57	349.53
22 31 16 00-0026 EA 450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11).....	31,990.52	361.58
22 31 16 00-0027 EA 600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11).....	35,789.74	373.63
22 31 16 00-0028 EA 900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11).....	45,116.72	385.68
22 31 16 00-0029 EA 1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11).....	49,976.03	397.74
<b>22 31 16 00-0030</b> <b>Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water)</b> <sup>(22 31 16 00-0001)</sup>		
<b>22 31 16 00-0031</b> <b>2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water)</b> <sup>(22 31 16 00-0030)</sup> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032 EA 90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21).....	18,642.94	451.98
22 31 16 00-0033 EA 120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21).....	19,471.51	470.05
22 31 16 00-0034 EA 150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21).....	22,203.57	488.13
22 31 16 00-0035 EA 210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21).....	24,294.06	506.21
22 31 16 00-0036 EA 300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21).....	29,717.76	524.29
22 31 16 00-0037 EA 450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21).....	39,471.07	542.37
22 31 16 00-0038 EA 600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21).....	46,509.35	560.45
<b>22 31 16 00-0039</b> <b>3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water)</b> <sup>(22 31 16 00-0030)</sup> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0040 EA 300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21).....	50,885.58	524.29
22 31 16 00-0041 EA 450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21).....	58,497.46	542.37
22 31 16 00-0042 EA 600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21).....	65,771.55	560.45
22 31 16 00-0043 EA 900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21).....	83,778.27	578.53
22 31 16 00-0044 EA 1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21).....	93,571.93	596.61
<b>22 31 16 00-0045 Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)</b>		
<b>22 31 16 00-0046 1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045)</b>		
Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047 EA 30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21).....	6,408.22	397.74
22 31 16 00-0048 EA 45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21).....	6,839.52	415.82
22 31 16 00-0049 EA 60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21).....	7,472.64	433.89
22 31 16 00-0050 EA 90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21).....	9,012.90	451.98
22 31 16 00-0051 EA 120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	9,988.06	470.05
<b>22 31 16 00-0052 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045)</b>		
Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053 EA 60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21).....	12,768.85	433.89
22 31 16 00-0054 EA 90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21).....	13,467.83	451.98
22 31 16 00-0055 EA 120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21).....	14,506.72	470.05
22 31 16 00-0056 EA 150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21).....	16,637.57	488.13
22 31 16 00-0057 EA 210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	18,800.28	506.21
22 31 16 00-0058 EA 300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	23,610.03	524.29
<b>22 32 Domestic Water Filtration Equipment (22 30)</b>		
<b>22 32 16 Domestic-Water Freestanding Cartridge Filters (22 32)</b>		
<b>22 32 16 00-0001 Commercial Water Filters Housings (22 32 16)</b>		
<b>22 32 16 00-0002 Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0001)</b>		
<b>22 32 16 00-0003 Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0002)</b>		
22 32 16 00-0004 EA 25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1).....	2,517.96	170.21
22 32 16 00-0005 EA 30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1).....	2,563.27	183.30
22 32 16 00-0006 EA 60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2).....	2,727.54	196.39
22 32 16 00-0007 EA 90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3).....	3,023.52	209.49
22 32 16 00-0008 EA 120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4).....	3,111.32	222.58
22 32 16 00-0009 EA 150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4).....	3,787.58	235.68
22 32 16 00-0010 EA 250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3).....	10,837.13	248.77
22 32 16 00-0011 EA 300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4).....	12,620.22	261.86
22 32 16 00-0012 EA 500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3).....	16,049.74	274.95
22 32 16 00-0013 EA 600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4).....	17,811.59	288.05
<b>22 32 16 00-0014 Commercial Water Filter Cartridges (22 32 16 00-0002)</b>		
<b>22 32 16 00-0015 (Depth) Water Filter Cartridges (22 32 16 00-0014)</b>		
22 32 16 00-0016 EA 50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50).....	12.16	2.10
22 32 16 00-0017 EA 20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20).....	12.16	2.10





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0018 EA 10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10) .....	12.16	2.10
22 32 16 00-0019 EA 5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5) .....	10.03	2.10
22 32 16 00-0020 EA 1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1) .....	12.69	2.10
22 32 16 00-0021 EA 50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50) .....	12.69	2.10
22 32 16 00-0022 EA 20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20) .....	13.75	2.10
22 32 16 00-0023 EA 5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5) .....	17.47	2.10
22 32 16 00-0024 EA 1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1) .....	13.75	2.10
22 32 16 00-0025 EA 50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50) .....	16.41	2.10
22 32 16 00-0026 EA 20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20) .....	16.41	2.10
22 32 16 00-0027 EA 5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5) .....	16.41	2.10
22 32 16 00-0028 EA 1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1) .....	18.00	2.10
22 32 16 00-0029 EA 50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50) .....	23.84	2.10
22 32 16 00-0030 EA 20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20) .....	21.72	2.10
22 32 16 00-0031 EA 5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5) .....	21.72	2.10
22 32 16 00-0032 EA 1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1) .....	23.84	2.10
<b>22 32 16 00-0033 Pleated Water Filter Cartridges (22 32 16 00-0014)</b>		
22 32 16 00-0034 EA 50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50) .....	22.25	2.10
22 32 16 00-0035 EA 20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20) .....	22.25	2.10
22 32 16 00-0036 EA 5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5) .....	22.78	2.10
22 32 16 00-0037 EA 1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1) .....	24.37	2.10
22 32 16 00-0038 EA 1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB) .....	37.12	2.10
22 32 16 00-0039 EA 50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50) .....	35.53	2.10
22 32 16 00-0040 EA 20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20) .....	35.53	2.10
22 32 16 00-0041 EA 5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5) .....	35.53	2.10
22 32 16 00-0042 EA 1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1) .....	47.21	2.10
22 32 16 00-0043 EA 1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB) .....	67.39	2.10
22 32 16 00-0044 EA 50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50) .....	56.24	2.10
22 32 16 00-0045 EA 20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20) .....	78.55	2.10
22 32 16 00-0046 EA 5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5) .....	81.73	2.10
22 32 16 00-0047 EA 1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1) .....	92.35	2.10
<b>22 32 16 00-0048 Commercial Non-Metallic Water Filter Housings (22 32 16 00-0001)</b>		
<b>22 32 16 00-0049 Commercial Non-Metallic Water Filter Housings (22 32 16 00-0048)</b>		
22 32 16 00-0050 EA 150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG) .....	1,972.36	157.12
<b>22 32 16 00-0051 Commercial Water Filter Cartridges (22 32 16 00-0048)</b>		
<b>22 32 16 00-0052 Carbon Water Filter Cartridges (22 32 16 00-0051)</b>		
22 32 16 00-0053 EA Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5) .....	665.95	2.10
<b>22 32 16 00-0054 (Depth) Water Filter Cartridges (22 32 16 00-0051)</b>		
22 32 16 00-0055 EA 50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50) .....	137.50	2.10
22 32 16 00-0056 EA 20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20) .....	136.44	2.10
22 32 16 00-0057 EA 5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5) .....	136.44	2.10
22 32 16 00-0058 EA 1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1) .....	156.62	2.10
<b>22 32 16 00-0059 Pleated Water Filter Cartridges (22 32 16 00-0051)</b>		
22 32 16 00-0060 EA 150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150) .....	365.34	2.10
22 32 16 00-0061 EA 50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50) .....	343.04	2.10
22 32 16 00-0062 EA 20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20) .....	373.84	2.10
22 32 16 00-0063 EA 5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5) .....	391.90	2.10
22 32 16 00-0064 EA 1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1) .....	417.39	2.10
22 32 16 00-0065 EA 1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB) .....	452.44	2.10
<b>22 32 16 00-0066 Water Filter (22 32 16)</b>		
22 32 16 00-0067 EA 0.6 GPM Max Flow Rate, 1,500 Gallon Capacity, 1 Cartridge, Water Filter Housing (3M Cuno FM DWS 1500) .....	452.42	78.56
22 32 16 00-0068 EA 0.5 Micron, Activated Carbon Water Filter Cartridge (3M Cuno 47-5574704) .....	150.56	5.24
22 32 16 00-0069 EA 1,800 Gallon Capacity, Water Metering Valve (Water Minder EV-2000-10) .....	183.53	39.27
<b>22 33 Electric Domestic Water Heaters (22 30)</b>		
<b>22 33 13 Instantaneous Electric Domestic Water Heaters (22 33)</b>		
<b>22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)</b>		
<b>22 33 13 13-0001 Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 13)</b>		
22 33 13 13-0002 EA 3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95) .....	358.54	52.35
22 33 13 13-0003 EA 7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P) .....	581.88	52.35



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 33 13 16		Thermostat-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)	
22 33 13 16-0001		Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 16)	
Note: Temperature rise decreases with increased flow rate.			
22 33 13 16-0002	EA	3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T).....	481.25 78.52
22 33 13 16-0003	EA	12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12).....	726.70 104.70
22 33 13 16-0004	EA	17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115).....	1,228.87 183.22
22 33 13 16-0005	EA	26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125).....	1,884.88 209.39
22 33 13 16-0006	EA	12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 12 Plus).....	944.14 104.70
22 33 13 16-0007	EA	14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 15 Plus).....	1,298.01 157.05
22 33 13 16-0008	EA	19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 20 Plus).....	1,450.84 209.39
22 33 13 16-0009	EA	24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 24 Plus).....	1,501.80 209.39
22 33 13 16-0010	EA	28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 29 Plus).....	1,549.93 209.39
22 33 13 16-0011	EA	36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 36 Plus).....	1,620.72 209.39
22 33 30		Residential, Electric Domestic Water Heaters (22 33)	
22 33 30 13		Residential, Small-Capacity Electric Domestic Water Heaters (22 33 30)	
22 33 30 13-0001		Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 13)	
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.			
22 33 30 13-0002	EA	2 Gallon, Small-Capacity, Electric Domestic Water Heater.....	703.47 164.90
22 33 30 13-0003	EA	10 Gallon, Small-Capacity, Electric Domestic Water Heater.....	848.98 175.37
22 33 30 13-0004	EA	20 Gallon, Small-Capacity, Electric Domestic Water Heater.....	989.27 183.22
22 33 30 16		Residential, Storage Electric Domestic Water Heaters (22 33 30)	
22 33 30 16-0001		Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16)	
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.			
22 33 30 16-0002	EA	30 Gallon, Electric Domestic Water Heater.....	1,050.16 183.22
22 33 30 16-0003	EA	40 Gallon, Electric Domestic Water Heater.....	996.63 188.46
22 33 30 16-0004	EA	50 Gallon, Electric Domestic Water Heater.....	985.29 193.69
22 33 30 16-0005	EA	55 Gallon, Electric Domestic Water Heater.....	1,089.02 196.31
22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater.....	1,536.70 201.54
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater.....	1,567.98 209.39
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater.....	2,055.34 222.48
22 33 30 16-0009		Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16)	
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.			
22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,120.08 183.22
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,074.49 188.46
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,134.79 193.69
22 33 30 16-0013		High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) (22 33 30 16)	
Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.			
22 33 30 16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,156.17 188.46
22 33 30 16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,256.26 193.69
22 33 30 16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,525.73 201.54
22 33 30 16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,653.55 209.39
22 33 30 16-0018		Water Heater Accessories (22 33 30 16)	
22 33 30 16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters.....	86.42 10.47
22 33 30 16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters.....	101.03 10.47
22 33 30 16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters.....	191.29 10.47
22 33 30 16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters.....	254.81 10.47
22 33 30 16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	71.34 7.85
22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	78.05 7.85
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	82.52 7.85
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	98.16 7.85
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	37.72 7.85



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 33 30 16-0028	EA		24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan .....	41.29	7.85
22 33 30 16-0029	EA		26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan .....	46.32	7.85
22 33 30 16-0030	EA		28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan .....	52.79	7.85

**22 33 33 Light-Commercial Electric Domestic Water Heaters (22 33)**

**22 33 33 00-0001 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) (22 33 33)**

Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.

22 33 33 00-0002	EA		Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S).....	1,326.39	183.22
22 33 33 00-0003	EA		Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S).....	1,423.94	183.22
22 33 33 00-0004	EA		Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S).....	1,549.07	209.39
22 33 33 00-0005	EA		Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D).....	2,663.94	209.39
22 33 33 00-0006	EA		Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D).....	3,078.33	261.74
22 33 33 00-0007	EA		Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D).....	3,415.29	314.10
22 33 33 00-0008	EA		Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D).....	4,097.91	471.13

**22 33 33 00-0009 Heavy Duty Electric Commercial Water Heaters (A.O. Smith DSE) (22 33 33)**

Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.

22 33 33 00-0010	EA		3 KW, 5 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-5-3) .....	4,779.40	183.22
22 33 33 00-0011	EA		3 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-3) .....	4,965.21	183.22
22 33 33 00-0012	EA		6 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-6) .....	5,166.51	183.22
22 33 33 00-0013	EA		3 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-3) .....	5,218.86	209.39
22 33 33 00-0014	EA		6 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-6) .....	5,451.13	209.39
22 33 33 00-0015	EA		9 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-9) .....	5,822.75	209.39
22 33 33 00-0016	EA		12 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-12) .....	6,070.50	209.39
22 33 33 00-0017	EA		15 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-15) .....	6,271.80	209.39
22 33 33 00-0018	EA		18 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-18) .....	6,488.58	209.39
22 33 33 00-0019	EA		6 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-6) .....	5,683.39	209.39
22 33 33 00-0020	EA		9 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-9) .....	5,900.17	209.39
22 33 33 00-0021	EA		12 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-12) .....	6,147.92	209.39
22 33 33 00-0022	EA		15 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-15) .....	6,349.22	209.39
22 33 33 00-0023	EA		18 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-18) .....	6,566.00	209.39
22 33 33 00-0024	EA		24 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-24) .....	8,160.89	209.39
22 33 33 00-0025	EA		9 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-9) .....	6,206.17	261.74
22 33 33 00-0026	EA		12 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-12) .....	6,407.47	261.74
22 33 33 00-0027	EA		15 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-15) .....	6,655.22	261.74
22 33 33 00-0028	EA		18 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-18) .....	6,872.00	261.74
22 33 33 00-0029	EA		24 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-24) .....	8,482.37	261.74
22 33 33 00-0030	EA		30 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-30) .....	9,225.62	261.74
22 33 33 00-0031	EA		36 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-36) .....	9,953.38	261.74
22 33 33 00-0032	EA		9 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-9) .....	7,177.98	314.10
22 33 33 00-0033	EA		12 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-12) .....	7,379.28	314.10
22 33 33 00-0034	EA		15 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-15) .....	7,580.58	314.10
22 33 33 00-0035	EA		18 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-18) .....	7,797.36	314.10
22 33 33 00-0036	EA		24 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-24) .....	9,454.18	314.10
22 33 33 00-0037	EA		30 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-30) .....	10,197.43	314.10
22 33 33 00-0038	EA		36 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-36) .....	10,925.20	314.10
22 33 33 00-0039	EA		45 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-45) .....	12,241.37	314.10
22 33 33 00-0040	EA		54 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-54) .....	12,829.77	314.10
22 33 33 00-0041	EA		60 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-60) .....	14,873.70	314.10
22 33 33 00-0042	EA		75 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-75) .....	17,506.04	314.10
22 33 33 00-0043	EA		90 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-90) .....	21,934.57	314.10
22 33 33 00-0044	EA		9 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-9) .....	8,099.66	418.79
22 33 33 00-0045	EA		12 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-12) .....	8,331.93	418.79
22 33 33 00-0046	EA		15 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-15) .....	8,548.71	418.79
22 33 33 00-0047	EA		18 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-18) .....	8,734.52	418.79
22 33 33 00-0048	EA		24 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-24) .....	10,375.86	418.79
22 33 33 00-0049	EA		30 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-30) .....	11,119.11	418.79
22 33 33 00-0050	EA		36 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-36) .....	11,831.39	418.79
22 33 33 00-0051	EA		45 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-45) .....	13,178.53	418.79
22 33 33 00-0052	EA		54 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-54) .....	13,751.45	418.79
22 33 33 00-0053	EA		60 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-60) .....	15,810.87	418.79
22 33 33 00-0054	EA		75 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-75) .....	18,458.69	418.79
22 33 33 00-0055	EA		90 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-90) .....	22,871.73	418.79
22 33 33 00-0056	EA		12 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-12) .....	9,056.00	471.13
22 33 33 00-0057	EA		15 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-15) .....	9,272.78	471.13
22 33 33 00-0058	EA		18 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-18) .....	9,458.60	471.13
22 33 33 00-0059	EA		24 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-24) .....	11,115.42	471.13
22 33 33 00-0060	EA		30 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-30) .....	11,781.25	471.13
22 33 33 00-0061	EA		36 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-36) .....	12,555.47	471.13
22 33 33 00-0062	EA		45 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-45) .....	13,902.60	471.13
22 33 33 00-0063	EA		54 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-54) .....	14,491.01	471.13
22 33 33 00-0064	EA		60 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-60) .....	16,426.55	471.13
22 33 33 00-0065	EA		75 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-75) .....	19,182.77	471.13
22 33 33 00-0066	EA		90 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-90) .....	23,595.81	471.13
22 33 33 00-0067	EA		15 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-15) .....	10,182.66	523.49
22 33 33 00-0068	EA		18 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-18) .....	10,430.41	523.49
22 33 33 00-0069	EA		24 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-24) .....	12,040.78	523.49



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0070	EA		30 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-30)	12,784.03	523.49
22 33 33 00-0071	EA		36 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-36)	13,511.79	523.49
22 33 33 00-0072	EA		45 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-45)	14,827.96	523.49
22 33 33 00-0073	EA		54 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-54)	15,431.85	523.49
22 33 33 00-0074	EA		60 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-60)	17,460.30	523.49
22 33 33 00-0075	EA		75 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-75)	20,092.64	523.49
22 33 33 00-0076	EA		90 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-90)	24,536.65	523.49
22 33 33 00-0077	EA		15 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-15)	10,949.50	628.18
22 33 33 00-0078	EA		18 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-18)	11,166.28	628.18
22 33 33 00-0079	EA		24 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-24)	12,776.65	628.18
22 33 33 00-0080	EA		30 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-30)	13,488.93	628.18
22 33 33 00-0081	EA		36 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-36)	14,247.66	628.18
22 33 33 00-0082	EA		45 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-45)	15,563.83	628.18
22 33 33 00-0083	EA		54 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-54)	16,121.27	628.18
22 33 33 00-0084	EA		60 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-60)	18,211.66	628.18
22 33 33 00-0085	EA		75 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-75)	20,859.48	628.18
22 33 33 00-0086	EA		90 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-90)	25,257.04	628.18
<b>22 33 33 00-0087</b>			<b>Water Heater Accessories (22 33 33)</b>		
22 33 33 00-0088	EA		Up To 80 Gallon Water Heater Strap Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carriage Bolts (2) 3/8" Hex Nuts	46.27	
22 33 33 00-0089	EA		>80 To 120 Gallon Water Heater Strap Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carriage Bolts (2) 3/8" Hex Nuts	68.10	
<b>22 33 33 00-0090</b>			<b>Removal And Reinstallation Of Water Heater (22 33 33)</b>		
			Note: Includes storage and cleaning.		
22 33 33 00-0091	EA		Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	348.99	
22 33 33 00-0092	EA		Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	1,046.97	
<b>22 34</b>			<b>Fuel-Fired Domestic Water Heaters (22 30)</b>		
<b>22 34 13</b>			<b>Instantaneous, Tankless, Gas Domestic Water Heaters (22 34)</b>		
22 34 13 00-0001			Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)		
22 34 13 00-0002			Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001) Note: Includes vent connection. Excludes vent.		
22 34 13 00-0003	EA		4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	1,448.92	209.39
22 34 13 00-0004	EA		5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	1,562.08	212.01
22 34 13 00-0005	EA		5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	1,709.90	217.24
22 34 13 00-0006	EA		6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	1,985.11	222.48
22 34 13 00-0007	EA		7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	2,396.01	235.57
22 34 13 00-0008	EA		7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	2,445.06	235.57
<b>22 34 13 00-0009</b>			<b>Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)</b>		
22 34 13 00-0010	EA		5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN)	1,556.84	209.39
22 34 13 00-0011	EA		7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN)	2,396.01	235.57
<b>22 34 30</b>			<b>Residential Gas Domestic Water Heaters (22 34)</b>		
<b>22 34 30 13</b>			<b>Residential, Atmospheric, Gas Domestic Water Heaters (22 34 30)</b>		
22 34 30 13-0001			Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 13) Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0002	EA		30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	1,103.78	201.54
22 34 30 13-0003	EA		40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	1,087.78	206.77
22 34 30 13-0004	EA		50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	1,420.60	212.01
22 34 30 13-0005	EA		65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-65)	1,532.38	217.24
22 34 30 13-0006	EA		75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75)	1,667.35	222.48
22 34 30 13-0007	EA		100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100)	2,427.06	235.57
<b>22 34 30 16</b>			<b>Residential, Direct-Vent, Gas Domestic Water Heaters (22 34 30)</b>		
22 34 30 16-0001			Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 16) Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 16-0002	EA		40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	1,951.52	206.77
22 34 30 16-0003	EA		50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	2,214.81	212.01
22 34 30 16-0004	EA		75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	2,856.37	217.24
<b>22 34 30 19</b>			<b>Residential, Power-Vent, Gas Domestic Water Heaters (22 34 30)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 34 30 19-0001</b>	<b>Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax)</b> <small>(22 34 30 19)</small>		
	Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 19-0002	EA 40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	1,780.77	206.77
22 34 30 19-0003	EA 50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	1,853.53	212.01

**22 34 36 Commercial Gas Domestic Water Heaters** (22 34)

**22 34 36 13 Commercial, Atmospheric, Gas Domestic Water Heaters** (22 34 36)

<b>22 34 36 13-0001</b>	<b>Gas Fired Commercial Water Heaters (A.O. Smith BTR)</b> <small>(22 34 36 13)</small>		
	Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 13-0002	EA 120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	6,489.11	314.10
22 34 36 13-0003	EA 154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	6,918.63	366.44
22 34 36 13-0004	EA 180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	8,569.70	418.79
22 34 36 13-0005	EA 199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	7,397.56	418.79
22 34 36 13-0006	EA 199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	8,521.82	418.79
22 34 36 13-0007	EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A)	11,390.66	460.67
22 34 36 13-0008	EA 250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	8,235.21	471.13
22 34 36 13-0009	EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	12,263.58	518.25
22 34 36 13-0010	EA 251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	8,365.11	471.13
22 34 36 13-0011	EA 251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	11,691.39	518.25
22 34 36 13-0012	EA 275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	9,254.94	575.84
22 34 36 13-0013	EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	12,772.28	633.42
22 34 36 13-0014	EA 305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	10,430.23	575.84
22 34 36 13-0015	EA 305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	12,849.60	633.42
22 34 36 13-0016	EA 365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	10,071.06	628.18
22 34 36 13-0017	EA 365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	14,186.46	691.00
22 34 36 13-0018	EA 390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	12,839.13	628.18
22 34 36 13-0019	EA 390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	16,846.33	691.00
22 34 36 13-0020	EA 500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	16,779.00	680.53
22 34 36 13-0021	EA 150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151)	8,372.23	366.44
22 34 36 13-0022	EA 150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A)	10,053.80	403.09
22 34 36 13-0023	EA 199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201)	8,693.42	418.79
22 34 36 13-0024	EA 199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A)	10,431.87	460.67
22 34 36 13-0025	EA Sidewall Power Vent System For BTR-120 through BTR-200	2,069.85	261.74
22 34 36 13-0026	EA Sidewall Power Vent System For BTR-250 through BTR-500	2,270.89	261.74

**22 34 36 13-0027 Removal And Reinstallation Of Water Heater** (22 34 36 13)

	Note: Includes storage and cleaning.		
22 34 36 13-0028	EA Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	475.90	
22 34 36 13-0029	EA Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon	1,258.38	

**22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters** (22 34 36)

<b>22 34 36 19-0001</b>	<b>Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN)</b> <small>(22 34 36 19)</small>		
	Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 19-0002	EA 90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	5,267.42	314.10
22 34 36 19-0003	EA 120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	7,571.62	314.10
22 34 36 19-0004	EA 154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154)	9,238.23	366.44
22 34 36 19-0005	EA 180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)	9,605.82	418.79
22 34 36 19-0006	EA 199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)	9,652.21	418.79
22 34 36 19-0007	EA 199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200)	9,868.71	418.79
22 34 36 19-0008	EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	11,591.70	460.67
22 34 36 19-0009	EA 250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250)	10,885.81	471.13
22 34 36 19-0010	EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	13,407.94	518.25
22 34 36 19-0011	EA 275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275)	11,389.03	575.84
22 34 36 19-0012	EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A)	13,978.50	633.42
22 34 36 19-0013	EA 310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310)	11,636.46	575.84

**22 Plumbing****22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 19-0014 EA 310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A) .....	14,133.14	633.42
22 34 36 19-0015 EA 366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366) ...	13,055.63	628.18
22 34 36 19-0016 EA 366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A) .....	15,361.75	691.00
22 34 36 19-0017 EA 390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400) ...	15,854.69	628.18
22 34 36 19-0018 EA 390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A) .....	18,299.99	691.00
<b>22 34 36 19-0019 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) (22 34 36 19)</b> Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 19-0020 EA 76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80) .....	4,061.20	314.10
22 34 36 19-0021 EA 100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100) .....	5,483.92	314.10
22 34 36 19-0022 EA 120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120) .....	6,659.22	314.10
22 34 36 19-0023 EA 120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A) .....	9,629.35	345.50
22 34 36 19-0024 EA 150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150) .....	9,856.81	366.44
22 34 36 19-0025 EA 150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A) .....	12,450.79	403.09
22 34 36 19-0026 EA 199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199) .....	9,992.43	418.79
22 34 36 19-0027 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A) .....	12,813.39	460.67
22 34 36 19-0028 EA 250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250) .....	11,550.78	471.13
22 34 36 19-0029 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A) .....	14,072.91	518.25
22 34 36 19-0030 EA 300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A) .....	18,432.25	633.42
22 34 36 19-0031 EA 399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A) .....	19,367.03	691.00
22 34 36 19-0032 EA 499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A) .....	22,296.72	748.58
<b>22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters (22 34 36)</b>		
<b>22 34 36 23-0001 Gas Fired Domestic Hot Water Skid Package (Laars Mighty Therm) (22 34 36 23)</b> Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.		
22 34 36 23-0002 EA 400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400) .....	91,221.21	1,408.04
22 34 36 23-0003 EA 1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000) .....	110,434.97	1,496.04
22 34 36 23-0004 EA 2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000) .....	134,342.83	1,584.04
22 34 36 23-0005 EA 3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000) .....	160,751.10	1,672.05
22 34 36 23-0006 EA 4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000) .....	168,488.57	1,760.05
<b>22 34 36 23-0007 Gas Fired Volume Water Heater (Laars Mighty Therm) (22 34 36 23)</b>		
22 34 36 23-0008 EA 200 MBH Gas Fired Volume Water Heater (Laars MT2V0200) .....	11,130.93	771.84
22 34 36 23-0009 EA 300 MBH Gas Fired Volume Water Heater (Laars MT2V0300) .....	12,063.26	868.32
22 34 36 23-0010 EA 400 MBH Gas Fired Volume Water Heater (Laars MT2V0400) .....	13,944.13	1,061.28
22 34 36 23-0011 EA 500 MBH Gas Fired Volume Water Heater (Laars MT2V0500) .....	20,486.63	1,157.76
22 34 36 23-0012 EA 750 MBH Gas Fired Volume Water Heater (Laars MT2V0750) .....	22,499.54	1,350.71
22 34 36 23-0013 EA 1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000) .....	25,737.26	1,543.67
22 34 36 23-0014 EA 1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250) .....	28,418.44	1,736.64
22 34 36 23-0015 EA 1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500) .....	34,038.76	1,929.60
22 34 36 23-0016 EA 1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750) .....	35,310.29	2,026.07
22 34 36 23-0017 EA 2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000) .....	37,902.09	2,122.55
<b>22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters (22 34 36)</b>		
<b>22 34 36 26-0001 Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters (22 34 36 26)</b>		
22 34 36 26-0002 EA 1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+) .....	36,772.67	1,466.49
22 34 36 26-0003 EA 1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+) .....	52,169.93	1,620.86
22 34 36 26-0004 EA 2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+) .....	56,640.24	1,698.04
22 34 36 26-0005 EA 2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+) .....	61,340.86	1,852.40
<b>22 34 36 26-0006 Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)</b>		
22 34 36 26-0007 EA 1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos) .....	32,526.17	1,466.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 26-0008 EA 1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	35,932.55	1,620.86
22 34 36 26-0009 EA 2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	39,319.73	1,698.04
22 34 36 26-0010 EA 2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	42,716.35	1,852.40
<b>22 34 36 26-0011 Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters</b> <small>(22 34 36 26)</small>		
22 34 36 26-0012 EA 200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,191.64	694.65
22 34 36 26-0013 EA 300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	9,008.18	771.84
22 34 36 26-0014 EA 400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	10,569.79	926.20
22 34 36 26-0015 EA 500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	15,078.41	964.80
22 34 36 26-0016 EA 750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	16,564.38	1,157.76
22 34 36 26-0017 EA 1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	20,447.90	1,389.31
22 34 36 26-0018 EA 1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	23,300.79	1,466.49
22 34 36 26-0019 EA 1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	25,849.09	1,582.27
22 34 36 26-0020 EA 1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	28,250.55	1,659.45
22 34 36 26-0021 EA 2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	30,362.29	1,698.04
<b>22 34 36 26-0022 Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters</b> <small>(22 34 36 26)</small>		
22 34 36 26-0023 EA 700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	23,687.46	1,157.76
22 34 36 26-0024 EA 1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	26,071.79	1,389.31
22 34 36 26-0025 EA 1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	31,245.72	1,582.27
22 34 36 26-0026 EA 1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	32,196.22	1,659.45
22 34 36 26-0027 EA 2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	33,694.54	1,698.04
<b>22 34 36 26-0028 Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters</b> <small>(22 34 36 26)</small>		
22 34 36 26-0029 EA 1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	28,490.42	1,389.31
22 34 36 26-0030 EA 1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	34,455.11	1,582.27
22 34 36 26-0031 EA 2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	36,565.92	1,698.04
<b>22 34 46 Oil-Fired Domestic Water Heaters</b> <small>(22 34)</small>		
<b>22 34 46 11 Standard-capacity, Oil-Fired Domestic Water Heaters</b> <small>(22 34 46)</small>		
<b>22 34 46 11-0001 Oil-Fired Domestic Water Heaters (Bock)</b> <small>(22 34 46 11)</small>		
Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0002 EA 60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	2,124.34	161.23
22 34 46 11-0003 EA 104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	2,094.11	161.23
22 34 46 11-0004 EA 104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES)	2,191.24	161.23
22 34 46 11-0005 EA 125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	2,317.46	165.42
22 34 46 11-0006 EA 140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES)	2,978.53	169.61
22 34 46 11-0007 EA 152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E)	2,498.22	169.61
<b>22 34 46 11-0008 Oil Fired Commercial Water Heaters</b> <small>(22 34 46 11)</small>		
Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0009 EA 173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Bock 71E)	3,450.48	251.27
22 34 46 11-0010 EA 199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 72E)	4,082.83	251.27
22 34 46 11-0011 EA 242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 73E)	4,107.16	251.27
22 34 46 11-0012 EA 190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 120E)	5,934.41	335.03
22 34 46 11-0013 EA 415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E)	8,169.16	418.79
22 34 46 11-0014 EA 623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E)	10,329.62	460.67
<b>22 35 Domestic Water Heat Exchangers</b> <small>(22 30)</small>		
<b>22 35 23 Circulating, Domestic Water Heat Exchangers</b> <small>(22 35)</small>		
<b>22 35 23 13 Circulating, Compact Domestic Water Heat Exchangers</b> <small>(22 35 23)</small>		
<b>22 35 23 13-0001 Steam Driven Water Heaters</b> <small>(22 35 23 13)</small>		
<b>22 35 23 13-0002 Constant Flow</b> <small>(22 35 23 13-0001)</small>		
22 35 23 13-0003 EA 30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow	6,141.37	523.49
22 35 23 13-0004 EA 90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow	7,671.71	641.48
22 35 23 13-0005 EA 140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow	9,828.88	838.94
22 35 23 13-0006 EA 230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow	13,296.83	1,168.53
22 35 23 13-0007 EA 500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow	19,600.50	1,924.55
22 35 23 13-0008 EA 900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow	21,352.91	2,181.16
22 35 23 13-0009 EA 1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow	28,054.71	2,516.72

**22 Plumbing**  
**22 30 Plumbing Equipment**  
**22 35 Domestic Water Heat Exchangers**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 35 23 13-0010	EA		2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow .....	33,761.39	2,974.35
<b>22 35 23 13-0011</b>			<b>Variable Flow</b> <small>(22 35 23 13-0001)</small>		
22 35 23 13-0012	EA		30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow .....	9,228.91	1,020.80
22 35 23 13-0013	EA		90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow .....	10,451.08	1,246.42
22 35 23 13-0014	EA		140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow.....	13,329.63	1,611.71
22 35 23 13-0015	EA		230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow.....	17,467.39	2,248.69
22 35 23 13-0016	EA		500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow.....	26,026.43	3,760.73
22 35 23 13-0017	EA		900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow.....	31,717.26	4,141.52
22 35 23 13-0018	EA		1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow.....	36,735.83	4,847.07
22 35 23 13-0019	EA		2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow.....	46,553.95	5,790.81

**22 40 Plumbing Fixtures** (22)

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

**22 41 Residential Plumbing Fixtures** (22 40)

**22 41 39 Residential Faucets, Supplies, and Trim** (22 41)

**22 41 39 00-0001 Residential Kitchen Faucets** (22 41 39)

22 41 39 00-0002	EA	Chrome Single Handle Kitchen Faucet (Delta 100LF-WF) .....	174.78	48.21
22 41 39 00-0003	EA	Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF) .....	201.23	48.21
22 41 39 00-0004	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF) .....	201.23	48.21
22 41 39 00-0005	EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215) .....	193.93	48.21
22 41 39 00-0006	EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215) .....	208.13	48.21

**22 41 39 00-0007 Residential Lavatory Faucets** (22 41 39)

22 41 39 00-0008	EA	Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST) .....	158.82	34.71
		<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0009	EA	Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF) .....	158.82	34.71
		<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0010	EA	Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF) .....	115.32	34.71
		<i>For Faucet With Brass Pop-Up, Add</i>	16.50	
		<i>For Faucet With Plastic Pop-Up, Add</i>	14.00	

**22 41 39 00-0011 Residential Bath And Shower Faucets** (22 41 39)

22 41 39 00-0012	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501) .....	206.46	41.85
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00	
22 41 39 00-0013	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502) .....	242.64	41.85
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00	
22 41 39 00-0014	EA	Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275) .....	190.69	41.85
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	14.00	
		<i>For Faucet With Lever Handles, Add</i>	17.75	
22 41 39 00-0015	EA	Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375) .....	210.17	41.85
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	14.00	
		<i>For Faucet With Lever Handles, Add</i>	17.75	
22 41 39 00-0016	EA	Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602) .....	233.23	26.18
22 41 39 00-0017	EA	Wall Mount, Hand Shower With Hose (Delta 55011) .....	194.49	26.18
22 41 39 00-0018	EA	Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS) .....	298.65	26.18

**22 41 39 00-0019 Residential Laundry Faucets** (22 41 39)

22 41 39 00-0020	EA	Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF) .....	137.13	30.78
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**22 41 39 00-0021 Residential Laundry/Wash Basin Faucets** (22 41 39)

22 41 39 00-0022	EA	Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF) .....	138.22	30.78
22 41 39 00-0023	EA	Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503) .....	196.58	33.93

**22 41 39 00-0024 Other Residential Faucets** (22 41 39)

22 41 39 00-0025	EA	Sillcock, Compact, Brass, IPS Or Copper To Hose .....	38.11	7.85
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**22 42 Commercial Plumbing Fixtures** (22 40)

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.

**22 42 13 Commercial Water Closets, Urinals, and Bidets** (22 42)

**22 42 13 13 Commercial Water Closets** (22 42 13)





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 42 13 13-0001</b> Vitreous China Water Closets <small>(22 42 13 13)</small> Note: With a 2" ball pass.		
<b>22 42 13 13-0002</b> Floor Mounted Elongated Vitreous China Water Closets <small>(22 42 13 13-0001)</small> Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0003 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™) .....	623.43	100.28
22 42 13 13-0004 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo™) .....	756.53	100.28
22 42 13 13-0005 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™) .....	999.03	100.28
22 42 13 13-0006 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet®) .....	886.58	100.28
22 42 13 13-0007 EA 1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet®) .....	823.08	100.28
22 42 13 13-0008 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet With Concealed Trapway (American Standard Cadet® 3 FloWise® RIGHT HEIGHT®) .....	827.45	100.28
22 42 13 13-0009 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcomme™) .....	613.68	100.28
22 42 13 13-0010 EA 1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E) .....	662.69	100.28
<b>22 42 13 13-0011</b> Wall Hung Elongated Vitreous China Water Closets <small>(22 42 13 13-0001)</small> Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0012 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Aftwall®) .....	715.40	123.42
22 42 13 13-0013 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Aftwall® ADA Retrofit) .....	908.92	123.42
22 42 13 13-0014 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™) .....	1,172.07	123.42
22 42 13 13-0015 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™) .....	718.50	123.42
22 42 13 13-0016 EA Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™) .....	1,136.27	123.42
22 42 13 13-0017 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV) .....	803.88	123.42
22 42 13 13-0018 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL) .....	670.97	123.42
22 42 13 13-0019 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459) .....	709.49	123.42
<b>22 42 13 13-0020</b> Floor Mounted Elongated Handicapped Water Closets <small>(22 42 13 13-0001)</small> Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0021 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA) .....	632.95	100.28
22 42 13 13-0022 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®) .....	649.78	100.28
22 42 13 13-0023 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®) .....	723.98	100.28
22 42 13 13-0024 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron) .....	815.77	100.28
22 42 13 13-0025 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA) .....	811.95	100.28
22 42 13 13-0026 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA) .....	1,104.93	100.28
22 42 13 13-0027 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA) .....	921.34	100.28
22 42 13 13-0028 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN) .....	708.53	100.28
22 42 13 13-0029 EA 2 Piece Tank Type, High Efficiency Water Closet Floor Mounted, Elongated, (Sterling 402077) With Open-Front Seat (Kohler K-4650) .....	815.25	100.28
22 42 13 13-0030 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler Highline™ ADA K-3519) .....	944.39	100.28
22 42 13 13-0031 EA 2 Piece Tank Type, Dual-Flush 1.1 And 1.6 GPF, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Vortens Vienna ELX-DF 3113-3436) .....	721.59	100.28
22 42 13 13-0032 EA 2 Piece Tank Type, High Efficiency Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Niagara Stealth™) .....	700.95	100.28
22 42 13 13-0033 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn HET Z5667-BWL) .....	669.92	100.28
<b>22 42 13 13-0034</b> Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets <small>(22 42 13 13-0001)</small> Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0035 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™) .....	718.02	100.28
22 42 13 13-0036 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™) .....	641.35	100.28
22 42 13 13-0037 EA 2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™) .....	760.70	100.28

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0038			<b>Floor Mounted Round Bowl Vitreous China Water Closets</b> (22 42 13 13-0001)		
22 42 13 13-0039	EA		2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113).....	687.87	100.28
22 42 13 13-0040	EA		2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412) .....	707.99	100.28
22 42 13 13-0041			<b>Stainless Steel Water Closets</b> (22 42 13 13)		
22 42 13 13-0042	EA		Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS).....	3,730.15	216.95
22 42 13 13-0043	EA		Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS) .....	3,934.44	216.95
22 42 13 13-0044			<b>Water Closet Carriers</b> (22 42 13 13)		
22 42 13 13-0045			<b>Pipe Grip Adaptor Type, Water Closet Carriers</b> (22 42 13 13-0044) Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0046	EA		Pipe Grip Adaptor Type, Water Closet Carrier.....	626.87	50.91
22 42 13 13-0047			<b>No-Hub, Water Closet Carriers</b> (22 42 13 13-0044) Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0048	EA		Vertical Close With Offset, No-Hub, Single Water Closet Carrier .....	995.50	50.91
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-90.46	
			<i>For Positioning Frame, Add</i>	56.32	
			<i>For Supply Pipe Support, Add</i>	57.67	
			<i>For Vandal Proof Trim, Add</i>	76.97	
			<i>For Auxiliary Inlet, Add</i>	245.56	
			<i>For Special Duty 500 LB Carrier, Add</i>	429.38	
22 42 13 13-0049	EA		Vertical Close On Stack, No-Hub, Single Water Closet Carrier .....	995.50	50.91
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-90.46	
			<i>For Positioning Frame, Add</i>	56.32	
			<i>For Supply Pipe Support, Add</i>	57.67	
			<i>For Vandal Proof Trim, Add</i>	76.97	
			<i>For Auxiliary Inlet, Add</i>	245.56	
			<i>For Special Duty 500 LB Carrier, Add</i>	429.38	
22 42 13 13-0050	EA		Horizontal Adjustable, No-Hub, Single Water Closet Carrier .....	1,091.36	50.91
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-90.46	
			<i>For Positioning Frame, Add</i>	56.32	
			<i>For Supply Pipe Support, Add</i>	57.67	
			<i>For Vandal Proof Trim, Add</i>	76.97	
			<i>For Auxiliary Inlet, Add</i>	245.56	
			<i>For Horizontal No Hub Cast Long Barrel, Add</i>	257.13	
			<i>For Carrier For Wide Chase Installations, Add</i>	331.19	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	429.39	
22 42 13 13-0051	EA		Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier.....	1,214.24	50.91
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-90.46	
			<i>For Positioning Frame, Add</i>	56.32	
			<i>For Supply Pipe Support, Add</i>	57.67	
			<i>For Vandal Proof Trim, Add</i>	76.97	
			<i>For 4" Branch, Add</i>	196.37	
			<i>For Auxiliary Inlet, Add</i>	245.56	
			<i>For Carrier For Wide Chase Installations, Add</i>	331.19	
			<i>For Double 4" Branches, Add</i>	394.08	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	429.39	
22 42 13 13-0052	EA		Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,665.96	74.72
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-180.92	
			<i>For Positioning Frame, Add</i>	119.88	
			<i>For Supply Pipe Support, Add</i>	122.59	
			<i>For Vandal Proof Trim, Add</i>	153.94	
			<i>For Auxiliary Inlet, Add</i>	260.02	
			<i>For Special Duty 500 LB Carrier, Add</i>	858.76	
22 42 13 13-0053	EA		Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,714.58	74.72
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-180.92	
			<i>For Positioning Frame, Add</i>	119.88	
			<i>For Supply Pipe Support, Add</i>	122.59	
			<i>For Vandal Proof Trim, Add</i>	153.94	
			<i>For Auxiliary Inlet, Add</i>	260.02	
			<i>For Special Duty 500 LB Carrier, Add</i>	858.76	
22 42 13 13-0054	EA		Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier .....	2,102.10	74.72
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-180.92	
			<i>For Positioning Frame, Add</i>	119.88	
			<i>For Supply Pipe Support, Add</i>	122.59	
			<i>For Vandal Proof Trim, Add</i>	153.94	
			<i>For 4" Branch, Add</i>	203.60	
			<i>For Auxiliary Inlet, Add</i>	260.02	
			<i>For Double 4" Branches, Add</i>	408.54	
			<i>For Carrier For Wide Chase Installations, Add</i>	705.77	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	858.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0055 EA Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier ..... 1,975.17 74.72 <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> -180.92 <i>For Positioning Frame, Add</i> 119.88 <i>For Supply Pipe Support, Add</i> 122.59 <i>For Vandal Proof Trim, Add</i> 153.94 <i>For Horizontal No Hub Cast Long Barrel, Add</i> 264.36 <i>For Carrier For Wide Chase Installations, Add</i> 705.77 <i>For Special Duty 1,000 LB Carrier, Add</i> 858.78		
<b>22 42 13 13-0056 Hub And Spigot, Water Closet Carriers</b> (22 42 13 13-0044) Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0057 EA Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier ..... 995.50 50.91 <i>For Positioning Frame, Add</i> 56.32 <i>For Supply Pipe Support, Add</i> 57.67 <i>For Vandal Proof Trim, Add</i> 76.97 <i>For Hanger Type Closet Adapter, Add</i> 193.09 <i>For Auxiliary Inlet, Add</i> 245.56		
22 42 13 13-0058 EA Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier ..... 995.50 50.91 <i>For Positioning Frame, Add</i> 56.32 <i>For Supply Pipe Support, Add</i> 57.67 <i>For Vandal Proof Trim, Add</i> 76.97 <i>For Auxiliary Inlet, Add</i> 245.56 <i>For Special Duty 500 LB Carrier, Add</i> 429.38		
22 42 13 13-0059 EA Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier ..... 1,260.14 50.91 <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> -90.46 <i>For Positioning Frame, Add</i> 56.32 <i>For Supply Pipe Support, Add</i> 57.67 <i>For Vandal Proof Trim, Add</i> 76.97 <i>For 4" Branch, Add</i> 196.37 <i>For Auxiliary Inlet, Add</i> 245.56 <i>For Carrier For Wide Chase Installations, Add</i> 331.19 <i>For Double 4" Branches, Add</i> 394.08 <i>For Special Duty 1,000 LB Carrier, Add</i> 429.39		
22 42 13 13-0060 EA Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier ..... 1,665.96 74.72 <i>For Positioning Frame, Add</i> 119.88 <i>For Supply Pipe Support, Add</i> 122.59 <i>For Vandal Proof Trim, Add</i> 153.94 <i>For Auxiliary Inlet, Add</i> 260.02 <i>For Hanger Type Closet Adapter, Add</i> 386.17		
22 42 13 13-0061 EA Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier ..... 2,148.01 74.72 <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> -180.92 <i>For Positioning Frame, Add</i> 119.88 <i>For Supply Pipe Support, Add</i> 122.59 <i>For Vandal Proof Trim, Add</i> 153.94 <i>For 4" Branch, Add</i> 203.60 <i>For Auxiliary Inlet, Add</i> 260.02 <i>For Double 4" Branches, Add</i> 408.54 <i>For Carrier For Wide Chase Installations, Add</i> 705.77 <i>For Special Duty 1,000 LB Carrier, Add</i> 858.78		
<b>22 42 13 13-0062 Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers</b> (22 42 13 13-0044) Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
22 42 13 13-0063 EA Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier ..... 759.19 50.91 <i>For Positioning Frame, Add</i> 56.32 <i>For Supply Pipe Support, Add</i> 57.67 <i>For Vandal Proof Trim, Add</i> 76.97 <i>For Hanger Type Closet Adapter, Add</i> 193.09		
<b>22 42 13 13-0064 Institutional Water Closet Carriers</b> (22 42 13 13-0044) Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		
22 42 13 13-0065 EA Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier ..... 2,774.54 74.72 <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> -180.92 <i>For Positioning Frame, Add</i> 119.88 <i>For Supply Pipe Support, Add</i> 122.59 <i>For Vandal Proof Trim, Add</i> 153.94 <i>For Auxiliary Inlet, Add</i> 260.02		
<b>22 42 13 13-0066 Removal And Reinstallation Of Fixtures And Trim</b> (22 42 13 13) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 13-0067 EA Removal And Reinstallation Of Wall Hung Water Closet With Tank ..... 440.77		
22 42 13 13-0068 EA Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve ..... 440.77		
22 42 13 13-0069 EA Removal And Reinstallation Of Floor Mount Water Closet With Tank ..... 338.98		
22 42 13 13-0070 EA Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve ..... 338.98		
<b>22 42 13 16 Commercial Urinals</b> (22 42 13)		

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 42 13 16-0001	Vitreous China Urinals <small>(22 42 13 16)</small> Note: Excludes flush valve unless indicated otherwise.		
22 42 13 16-0002	Wall Hung Urinals <small>(22 42 13 16-0001)</small>		
22 42 13 16-0003	EA Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™) .....	545.54	103.18
22 42 13 16-0004	EA Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®) .....	671.23	103.18
22 42 13 16-0005	EA Wall Hung, Washout, Vitreous China Urinal With Back Spud (American Standard Washbrook®) .....	697.51	103.18
22 42 13 16-0006	EA Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™).....	736.12	103.18
22 42 13 16-0007	EA Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™) .....	669.18	103.18
22 42 13 16-0008	EA Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™) .....	563.04	103.18
22 42 13 16-0009	EA Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV).....	687.64	103.18
22 42 13 16-0010	EA Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV).....	586.07	103.18
22 42 13 16-0011	EA Wall Hung, Washout, Vitreous China Urinal (Zurn Z5798).....	635.43	103.18
22 42 13 16-0012	EA Wall Hung, Washout, 0.125 To 0.5 GPF, HEU, Vitreous China Urinal (Sloan SU-1009-A) .....	578.81	103.18
22 42 13 16-0013	EA Wall Hung, Washout, 1.0 GPF, HEU, Vitreous China Urinal (Sloan SU-1006-A).....	576.66	103.18
22 42 13 16-0014	Floor Mounted Urinals <small>(22 42 13 16-0001)</small>		
22 42 13 16-0015	EA Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™).....	926.68	130.17
22 42 13 16-0016	EA Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™).....	1,046.67	130.17
22 42 13 16-0017	EA Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931).....	306.02	24.11
22 42 13 16-0018	EA Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932).....	347.99	24.11
22 42 13 16-0019	Waterfree Urinals <small>(22 42 13 16-0001)</small>		
22 42 13 16-0020	EA Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free).....	618.78	72.32
	For Colored Fixtures, Add	66.90	
	For >1, Deduct	-43.06	
22 42 13 16-0021	EA Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000) .....	1,153.29	72.32
	For Colored Fixtures, Add	66.90	
	For >1, Deduct	-104.00	
22 42 13 16-0022	EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000) .....	991.28	72.32
	For Colored Fixtures, Add	66.90	
	For >1, Deduct	-85.53	
22 42 13 16-0023	EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000) .....	756.90	72.32
	For Colored Fixtures, Add	66.90	
	For >1, Deduct	-58.81	
22 42 13 16-0024	EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000) .....	756.90	72.32
	For Colored Fixtures, Add	66.90	
	For >1, Deduct	-58.81	
22 42 13 16-0025	EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000) .....	941.23	72.32
	For Colored Fixtures, Add	66.90	
	For >1, Deduct	-79.82	
22 42 13 16-0026	EA Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000) .....	1,433.69	72.32
	For >1, Deduct	-135.96	
22 42 13 16-0027	Stainless Steel Urinals <small>(22 42 13 16)</small>		
22 42 13 16-0028	EA Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1).....	3,845.07	216.95
22 42 13 16-0029	EA 5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C) .....	4,990.65	265.16
22 42 13 16-0030	Urinal Carriers <small>(22 42 13 16)</small>		
22 42 13 16-0031	Floor Mounted, Urinal Carriers <small>(22 42 13 16-0030)</small> Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0032	EA Floor Mounted Hanger Plate Type, Single Urinal Carrier.....	553.38	36.64
	For Up To 4" Extension Sleeves And Hardware, Add	28.35	
22 42 13 16-0033	EA Floor Mounted Bearing Plate Type, Single Urinal Carrier .....	604.69	36.64
	For Up To 4" Extension Sleeves And Hardware, Add	28.35	
22 42 13 16-0034	Wall Mounted, Urinal Carriers <small>(22 42 13 16-0030)</small> Note: Includes wall plate and adjustable supporting rods.		
22 42 13 16-0035	EA Wall Mounted Hanger Plate Type, Single Urinal Carrier .....	233.37	36.64
	For Up To 6-1/2" Extension Sleeves And Hardware, Add	28.35	
22 42 13 16-0036	Removal And Reinstallation Of Fixtures And Trim <small>(22 42 13 16)</small> Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0037	EA Removal And Reinstallation Of Wall Hung Urinal With Flush Valve.....	439.26	
<b>22 42 16</b>	<b>Commercial Lavatories and Sinks <small>(22 42)</small></b>		
<b>22 42 16 13</b>	<b>Commercial Lavatories <small>(22 42 16)</small></b>		
22 42 16 13-0001	Lavatories <small>(22 42 16 13)</small> Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 13-0002	Wall Hung Lavatories <small>(22 42 16 13-0001)</small>		
22 42 16 13-0003	EA 19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™) .....	559.96	64.60
22 42 16 13-0004	EA 20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™) .....	586.76	64.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0005 EA 22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™) .....	736.91	64.60
22 42 16 13-0006 EA 18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™) .....	511.08	64.60
22 42 16 13-0007 EA 19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™) .....	436.19	64.60
22 42 16 13-0008 EA 20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®) .....	559.52	64.60
22 42 16 13-0009 EA 27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users) .....	664.81	64.60
22 42 16 13-0010 EA 20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™) .....	523.70	64.60
22 42 16 13-0011 EA 20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™) .....	458.26	64.60
<b>22 42 16 13-0012 Countertop Lavatories (22 42 16 13-0001)</b>		
22 42 16 13-0013 EA 20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®) .....	507.38	78.10
22 42 16 13-0014 EA 21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval) .....	518.00	78.10
22 42 16 13-0015 EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™) .....	547.57	78.10
22 42 16 13-0016 EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™) .....	579.09	78.10
22 42 16 13-0017 EA 24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®) .....	753.13	84.37
<b>22 42 16 13-0018 Undermount Lavatories (22 42 16 13-0001)</b>		
22 42 16 13-0019 EA 15" x 12" Vitreous China Undermount Lavatory (American Standard Ovalyn™) .....	505.41	78.10
22 42 16 13-0020 EA 17" x 14" Vitreous China Undermount Lavatory (American Standard Ovalyn™) .....	471.86	78.10
22 42 16 13-0021 EA 19" x 16" Vitreous China Undermount Lavatory (American Standard Ovalyn™) .....	471.86	78.10
22 42 16 13-0022 EA 21" x 17" Vitreous China Undermount Lavatory (American Standard Ovalyn™) .....	512.52	78.10
22 42 16 13-0023 EA 15" x 12" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®) .....	486.91	78.10
22 42 16 13-0024 EA 17" x 14" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®) .....	480.73	78.10
22 42 16 13-0025 EA 19" x 15" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®) .....	487.02	78.10
22 42 16 13-0026 EA 18" x 12" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®) .....	625.93	78.10
22 42 16 13-0027 EA 21" x 14" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®) .....	625.93	78.10
<b>22 42 16 13-0028 Pedestal Lavatories (22 42 16 13-0001)</b>		
22 42 16 13-0029 EA 19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™) .....	635.72	185.61
<b>22 42 16 13-0030 Cultured Marble Vanity Tops (22 42 16 13-0001)</b>		
Note: Includes predrilled holes for faucet.		
22 42 16 13-0031 EA 25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	348.30	72.32
22 42 16 13-0032 EA 31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	390.65	77.13
22 42 16 13-0033 EA 37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	466.14	81.95
22 42 16 13-0034 EA 49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	629.91	86.78
22 42 16 13-0035 EA 25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	372.39	72.32
22 42 16 13-0036 EA 31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	397.43	77.13
22 42 16 13-0037 EA 37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	506.23	81.95
22 42 16 13-0038 EA 43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	549.65	84.37
22 42 16 13-0039 EA 49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	612.96	86.78
<b>22 42 16 13-0040 Quartz Vanity Tops (22 42 16 13-0001)</b>		
Note: Includes predrilled holes for faucet.		
22 42 16 13-0041 EA 25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink .....	693.77	72.32
22 42 16 13-0042 EA 31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink .....	723.18	77.13
22 42 16 13-0043 EA 37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink .....	826.82	81.95
22 42 16 13-0044 EA 43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink .....	833.00	84.37
22 42 16 13-0045 EA 49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink .....	906.11	86.78
22 42 16 13-0046 EA 61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks .....	1,201.60	91.60
22 42 16 13-0047 EA 73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks .....	1,412.47	96.41
22 42 16 13-0048 EA 22" End Splash For Quartz Vanity Tops .....	38.11	
<b>22 42 16 13-0049 Solid Surface Vanity Tops (22 42 16 13-0001)</b>		
Note: Includes predrilled holes for faucet.		
22 42 16 13-0050 EA 25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	587.31	72.32
22 42 16 13-0051 EA 31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	656.10	77.13
22 42 16 13-0052 EA 37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	734.01	81.95
22 42 16 13-0053 EA 43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	804.82	84.37
22 42 16 13-0054 EA 49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	869.60	86.78
22 42 16 13-0055 EA 55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	954.84	89.19
22 42 16 13-0056 EA 61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	1,059.32	91.60
22 42 16 13-0057 EA 61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks .....	1,085.18	91.60
22 42 16 13-0058 EA 73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks .....	1,169.14	96.41
22 42 16 13-0059 EA 22" End Splash For Solid Surface Vanity Tops .....	56.26	
<b>22 42 16 13-0060 Solid Surface Multi-Station Lavatory Systems (22 42 16 13-0001)</b>		
Note: ADA compliant. Includes integral faucets.		
22 42 16 13-0061 EA 2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2) .....	6,493.48	135.06
For Integral Liquid Soap Dispenser, Add	171.00	
For Integral Photovoltaic Power Panels, Add	563.00	

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0062	EA		3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3) .....	9,548.00	135.06
			<i>For Integral Liquid Soap Dispenser, Add</i> .....	171.00	
			<i>For Integral Photovoltaic Power Panels, Add</i> .....	657.00	
22 42 16 13-0063	EA		12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12) .....	427.99	45.02
22 42 16 13-0064	EA		18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18) .....	534.84	45.02
22 42 16 13-0065	EA		36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36) .....	1,079.03	45.02
<b>22 42 16 13-0066</b>			<b>Stainless Steel Lavatories</b> (22 42 16 13-0001)		
22 42 16 13-0067	EA		18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1).....	1,919.83	168.74
<b>22 42 16 13-0068</b>			<b>Lavatory Carriers</b> (22 42 16 13)		
<b>22 42 16 13-0069</b>			<b>Floor Mounted, Lavatory Carriers</b> (22 42 16 13-0068)		
<b>22 42 16 13-0070</b>			<b>Floor Mounted Plate Type, Lavatory Carriers</b> (22 42 16 13-0069)		
			Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 13-0071	EA		Floor Mounted Hanger Plate Type, Single Lavatory Carrier .....	553.38	36.64
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i> .....	28.35	
			<i>For Valve Plate For Attaching To Upright, Add</i> .....	97.60	
			<i>For Corner Carrier, Add</i> .....	189.80	
22 42 16 13-0072	EA		Floor Mounted Bearing Plate Type, Single Lavatory Carrier.....	604.69	36.64
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i> .....	28.35	
			<i>For Valve Plate For Attaching To Upright, Add</i> .....	97.60	
22 42 16 13-0073	EA		Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier.....	695.16	36.64
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i> .....	56.70	
			<i>For Valve Plate For Attaching To Upright, Add</i> .....	195.19	
22 42 16 13-0074	EA		Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier.....	799.13	36.64
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i> .....	56.70	
			<i>For Valve Plate For Attaching To Upright, Add</i> .....	195.19	
<b>22 42 16 13-0075</b>			<b>Floor Mounted, Lavatory Carriers With Arms</b> (22 42 16 13-0069)		
			Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 13-0076	EA		Floor Mounted, Single Lavatory Carrier With Concealed Arms.....	714.44	43.39
			<i>For Up To 6-1/2" Extension Sleeves And Hardware, Add</i> .....	28.35	
			<i>For Concealed Arm Carrier For Wheelchair Lavatory, Add</i> .....	39.16	
			<i>For Valve Plate For Attaching To Upright, Add</i> .....	99.52	
			<i>For 2" Chrome Plated Escutcheons, Add</i> .....	95.87	
			<i>For 4" Or 6" Chrome Plated Escutcheons, Add</i> .....	174.18	
22 42 16 13-0077	EA		Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms .....	962.89	43.39
			<i>For Up To 4-1/2" Extension Sleeves And Hardware, Add</i> .....	28.35	
			<i>For Vandal Proof Trim, Add</i> .....	76.97	
			<i>For Valve Plate For Attaching To Upright, Add</i> .....	99.52	
			<i>For Heavy Duty Carrier, Add</i> .....	98.56	
22 42 16 13-0078	EA		Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms.....	961.53	43.39
			<i>For Up To 6-1/2" Extension Sleeves And Hardware, Add</i> .....	56.70	
			<i>For Concealed Arm Carrier For Wheelchair Lavatory, Add</i> .....	78.33	
			<i>For Valve Plate For Attaching To Upright, Add</i> .....	199.05	
			<i>For 2" Chrome Plated Escutcheons, Add</i> .....	191.73	
			<i>For 4" Or 6" Chrome Plated Escutcheons, Add</i> .....	348.36	
22 42 16 13-0079	EA		Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms.....	1,436.84	43.39
			<i>For Up To 4-1/2" Extension Sleeves And Hardware, Add</i> .....	56.70	
			<i>For Vandal Proof Trim, Add</i> .....	153.94	
			<i>For Valve Plate For Attaching To Upright, Add</i> .....	199.05	
			<i>For Heavy Duty Carrier, Add</i> .....	197.13	
<b>22 42 16 13-0080</b>			<b>Wall Mounted, Lavatory Carriers</b> (22 42 16 13-0068)		
<b>22 42 16 13-0081</b>			<b>Wall Mounted Plate Type, Lavatory Carriers</b> (22 42 16 13-0080)		
			Note: Includes wall plate and adjustable supporting rods.		
22 42 16 13-0082	EA		Wall Mounted Hanger Plate Type, Single Lavatory Carrier.....	233.37	36.64
			<i>For Double Plate Carrier, Add</i> .....	73.48	
<b>22 42 16 13-0083</b>			<b>Wall Mounted Plate Type, Lavatory Carriers With Arms</b> (22 42 16 13-0080)		
			Note: Includes wall plate and leveling and securing screws.		
22 42 16 13-0084	EA		Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms .....	399.83	43.39
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i> .....	28.35	
			<i>For 2" Chrome Plated Escutcheons, Add</i> .....	95.87	
22 42 16 13-0085	EA		Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms .....	475.45	43.39
			<i>For Movable Mounting Brackets, Deduct</i> .....	-72.92	
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i> .....	28.35	
			<i>For 2" Chrome Plated Escutcheons, Add</i> .....	95.87	
			<i>For 4" Or 6" Chrome Plated Escutcheons, Add</i> .....	174.18	
22 42 16 13-0086	EA		Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms.....	709.05	43.39
			<i>For Up To 4-1/2" Extension Sleeves And Hardware, Add</i> .....	28.35	
			<i>For Vandal Proof Trim, Add</i> .....	76.97	
<b>22 42 16 13-0087</b>			<b>Removal And Reinstallation Of Lavatory And Trim</b> (22 42 16 13)		
			Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0088 EA Removal And Reinstallation Of Wall Hung Lavatory With Faucet.....	283.60	
<b>22 42 16 16 Commercial Sinks (22 42 16)</b>		
<b>22 42 16 16-0001 Sinks (22 42 16 16)</b>		
Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
<b>22 42 16 16-0002 Kitchen Sinks (22 42 16 16-0001)</b>		
22 42 16 16-0003 EA 25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®).....	682.02	90.63
22 42 16 16-0004 EA 22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®).....	887.14	103.18
22 42 16 16-0005 EA 15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517).....	844.68	88.71
For 18 Gauge, Add	386.48	
22 42 16 16-0006 EA 17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722).....	866.55	88.71
For 18 Gauge, Add	403.98	
22 42 16 16-0007 EA 22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222).....	915.73	88.71
For 18 Gauge, Add	443.32	
22 42 16 16-0008 EA 25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522).....	960.10	90.63
For 18 Gauge, Add	469.56	
22 42 16 16-0009 EA 31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122).....	1,211.88	103.18
For 18 Gauge, Add	641.54	
22 42 16 16-0010 EA 33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321).....	1,238.24	103.18
For 18 Gauge, Add	662.35	
22 42 16 16-0011 EA 15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710).....	1,199.02	88.71
22 42 16 16-0012 EA 17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210).....	1,223.62	88.71
22 42 16 16-0013 EA 22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210).....	1,285.56	88.71
22 42 16 16-0014 EA 25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210).....	1,369.09	90.63
22 42 16 16-0015 EA 31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210).....	1,657.30	103.18
22 42 16 16-0016 EA 33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322).....	1,587.11	103.18
<b>22 42 16 16-0017 Undermount Kitchen Sinks (22 42 16 16-0001)</b>		
22 42 16 16-0018 EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99).....	1,067.78	88.71
22 42 16 16-0019 EA 21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99).....	1,065.12	88.71
22 42 16 16-0020 EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99).....	1,076.89	88.71
22 42 16 16-0021 EA 21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99).....	1,138.83	88.71
22 42 16 16-0022 EA 21" x 15-3/4" x 4-3/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHAD2115) With Strainer (Elkay LK99).....	1,099.66	88.71
Note: Available in 4-1/2", 5, or 5-1/2" depths.		
22 42 16 16-0023 EA 25" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF2520) With Strainer (Elkay LK99).....	1,258.42	88.71
22 42 16 16-0024 EA 32" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF3320) With Strainer (Elkay LK99).....	1,495.77	88.71
22 42 16 16-0025 EA 21" x 18" x 5-1/2" Deep, Single Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. US-ADA-1821-A).....	870.40	88.71
22 42 16 16-0026 EA 32" x 18" x 5-1/2" Deep, Two Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. UD-ADA-1832-A).....	1,136.91	88.71
<b>22 42 16 16-0027 Multi-Station Wash Sink, Wall Mounted (22 42 16 16-0001)</b>		
Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0028 EA 36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	1,863.51	156.69
Note: Excludes faucets.		
22 42 16 16-0029 EA 48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,482.69	168.74
Note: Excludes faucets.		
22 42 16 16-0030 EA 60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,850.94	180.79
Note: Excludes faucets.		
22 42 16 16-0031 EA 48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,212.51	120.53
Note: Excludes faucets.		
22 42 16 16-0032 EA 62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,455.69	132.58
Note: Excludes faucets.		
22 42 16 16-0033 EA 80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,693.96	144.63
Note: Excludes faucets.		
22 42 16 16-0034 EA 102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,988.16	162.71
Note: Excludes faucets.		
22 42 16 16-0035 EA 27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain.....	2,875.45	265.16
Note: Includes sensor operated spray heads.		
<b>22 42 16 16-0036 Utility Or Laundry Sinks (22 42 16 16-0001)</b>		
22 42 16 16-0037 EA 23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1).....	619.89	103.18
22 42 16 16-0038 EA 40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II).....	717.57	103.18
22 42 16 16-0039 EA 22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1).....	618.02	103.18
22 42 16 16-0040 EA 24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210).....	963.23	103.18
22 42 16 16-0041 EA 48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220).....	1,378.25	115.71
<b>22 42 16 16-0042 Refinish Sink/Lavatory (22 42 16 16-0001)</b>		
22 42 16 16-0043 EA Refinish Sink/Lavatory.....	224.89	



MINOR  
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TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>22 42 16 16-0044</b>	<b>Service Sinks</b> (22 42 16 16-0001)		
22 42 16 16-0045	EA 22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™).....	1,000.19	155.24
22 42 16 16-0046	EA 24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™).....	1,053.47	155.24
22 42 16 16-0047	EA 28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™).....	1,314.51	205.38
22 42 16 16-0048	EA 12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F).....	542.83	144.63
22 42 16 16-0049	EA 24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424).....	627.89	144.63
22 42 16 16-0050	EA 36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624).....	690.53	173.55
22 42 16 16-0051	EA 24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010).....	573.51	144.63
22 42 16 16-0052	EA 36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010).....	651.04	173.55
22 42 16 16-0053	EA 24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24).....	925.43	144.63
22 42 16 16-0054	EA 36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624).....	1,143.51	173.55
<b>22 42 16 16-0055</b>	<b>Stainless Steel Sink And Drainboard</b> (22 42 16 16-0001)		
22 42 16 16-0056	EA Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drainboard, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L).....	3,657.62	241.05
<b>22 42 16 16-0057</b>	<b>Soapstone Sinks</b> (22 42 16 16-0001)		
22 42 16 16-0058	EA 26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink.....	1,048.17	88.71
22 42 16 16-0059	SF Soapstone Sink Backsplash.....	171.61	
22 42 16 16-0060	EA 30" x 18-1/2" x 10" Single Bowl Soapstone Sink.....	1,340.16	103.18
22 42 16 16-0061	EA 36" x 18-1/2" x 10" Double Bowl Soapstone Sink.....	1,574.52	103.18
<b>22 42 16 16-0062</b>	<b>Sink Carriers</b> (22 42 16 16)		
<b>22 42 16 16-0063</b>	<b>Floor Mounted, Sink Carriers</b> (22 42 16 16-0062)		
	Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 16-0064	EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling.....	816.68	36.64
	For Vandal Proof Trim, Add	76.97	
	For Valve Plate For Attaching To Upright, Add	97.60	
22 42 16 16-0065	EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting.....	1,279.82	36.64
	For Vandal Proof Trim, Add	76.97	
	For Auxiliary Vent, Add	225.89	
22 42 16 16-0066	EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms.....	1,609.30	36.64
	For Up To 4" Extension Sleeves And Hardware, Add	58.06	
	For Vandal Proof Trim, Add	76.97	
<b>22 42 16 16-0067</b>	<b>Removal And Reinstallation Of Sink And Trim</b> (22 42 16 16)		
	Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 16-0068	EA Removal And Reinstallation Of Wall Hung Service Sink With Faucet.....	388.80	
<b>22 42 19</b>	<b>Commercial Bathtubs</b> (22 42)		
<b>22 42 19 00-0001</b>	<b>Recessed Alcove Bathtubs</b> (22 42 19)		
<b>22 42 19 00-0002</b>	<b>Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs</b> (22 42 19 00-0001)		
22 42 19 00-0003	EA 54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™).....	1,455.71	268.05
22 42 19 00-0004	EA 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®).....	1,245.91	268.05
22 42 19 00-0005	EA 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®).....	1,460.98	268.05
22 42 19 00-0006	EA 66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®).....	1,882.93	268.05
<b>22 42 19 00-0007</b>	<b>Porcelain Enameled Steel, Recessed Alcove Bathtubs</b> (22 42 19 00-0001)		
22 42 19 00-0008	EA 60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®).....	639.81	268.05
22 42 19 00-0009	EA 60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®).....	654.83	268.05
<b>22 42 19 00-0010</b>	<b>Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs</b> (22 42 19 00-0001)		
22 42 19 00-0011	EA 60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™).....	950.60	268.05
<b>22 42 19 00-0012</b>	<b>Acrylic, Recessed Alcove Bathtubs</b> (22 42 19 00-0001)		
22 42 19 00-0013	EA 60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®).....	979.01	268.05
22 42 19 00-0014	EA 60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,160.65	268.05
22 42 19 00-0015	EA 66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,184.11	268.05
22 42 19 00-0016	EA 72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,169.69	268.05
22 42 19 00-0017	EA 72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®).....	1,221.56	268.05





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 42 19 00-0018</b> <b>Bathtub Refinishing</b> <small>(22 42 19 00-0001)</small>		
22 42 19 00-0019    EA    Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel.....	583.10	
<b>22 42 19 00-0020</b> <b>Tub And Shower Combinations</b> <small>(22 42 19)</small>		
<b>22 42 19 00-0021</b> <b>Acrylic Tub And Shower Combination</b> <small>(22 42 19 00-0020)</small>		
22 42 19 00-0022    EA    1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032).....	1,199.30	97.24
For 2 Piece Enclosure, Deduct	-259.37	
<b>22 42 19 00-0023</b> <b>Fiberglass Tub And Shower Combination</b> <small>(22 42 19 00-0020)</small>		
22 42 19 00-0024    EA    1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG).....	803.52	97.24
22 42 19 00-0025    EA    2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P).....	640.42	64.82
22 42 19 00-0026    EA    4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P).....	1,275.23	146.77
22 42 19 00-0027    EA    3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872).....	3,332.68	328.24
For 2 Piece Enclosure, Deduct	-691.40	
<b>22 42 23</b> <b>Commercial Showers</b> <small>(22 42)</small>		
<b>22 42 23 00-0001</b> <b>Shower Enclosures</b> <small>(22 42 23)</small>		
Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
<b>22 42 23 00-0002</b> <b>Powder Coated Or Baked Enamel Steel Shower Enclosure</b> <small>(22 42 23 00-0001)</small>		
22 42 23 00-0003    EA    32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,645.14	155.52
22 42 23 00-0004    EA    36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,645.14	155.52
22 42 23 00-0005    EA    40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	2,498.96	155.52
22 42 23 00-0006    EA    40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions).....	2,752.44	155.52
<b>22 42 23 00-0007</b> <b>Solid Plastic Core High Density Polymer (HDP) Shower Enclosure</b> <small>(22 42 23 00-0001)</small>		
22 42 23 00-0008    EA    32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	2,725.76	155.52
22 42 23 00-0009    EA    36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	2,725.76	155.52
22 42 23 00-0010    EA    40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	3,926.45	155.52
22 42 23 00-0011    EA    40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions).....	4,393.39	155.52
<b>22 42 23 00-0012</b> <b>Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down</b> <small>(22 42 23 00-0001)</small>		
22 42 23 00-0013    EA    32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS).....	1,373.10	155.52
22 42 23 00-0014    EA    36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS).....	1,412.51	155.52
22 42 23 00-0015    EA    34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS).....	1,451.92	155.52
22 42 23 00-0016    EA    30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL).....	1,530.74	155.52
22 42 23 00-0017    EA    34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS).....	1,635.17	155.52
<b>22 42 23 00-0018</b> <b>1 Piece Shower Units</b> <small>(22 42 23)</small>		
22 42 23 00-0019    EA    1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232).....	1,166.72	97.24
22 42 23 00-0020    EA    1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636).....	1,311.43	97.24
<b>22 42 23 00-0021</b> <b>Personnel Type Shower Receptors</b> <small>(22 42 23)</small>		
<b>22 42 23 00-0022</b> <b>Acrylic Shower Receptors</b> <small>(22 42 23 00-0021)</small>		
22 42 23 00-0023    EA    36" x 36" Acrylic Shower Receptor.....	433.12	39.26
22 42 23 00-0024    EA    42" x 42" Acrylic Shower Receptor.....	458.33	39.26
22 42 23 00-0025    EA    48" x 48" Acrylic Shower Receptor.....	508.67	39.26
22 42 23 00-0026    EA    60" x 60" Acrylic Shower Receptor.....	618.77	47.12
22 42 23 00-0027    EA    48" x 32" Acrylic Shower Receptor.....	434.31	39.26
22 42 23 00-0028    EA    48" x 36" Acrylic Shower Receptor.....	467.46	39.26
22 42 23 00-0029    EA    48" x 42" Acrylic Shower Receptor.....	529.14	39.26
22 42 23 00-0030    EA    60" x 30" Acrylic Shower Receptor.....	857.12	113.53
22 42 23 00-0031    EA    60" x 32" Acrylic Shower Receptor.....	587.40	47.12
22 42 23 00-0032    EA    60" x 36" Acrylic Shower Receptor.....	591.67	47.12
22 42 23 00-0033    EA    60" x 42" Acrylic Shower Receptor.....	595.58	47.12
22 42 23 00-0034    EA    60" x 48" Acrylic Shower Receptor.....	656.86	47.12
22 42 23 00-0035    EA    36" x 36" Acrylic Corner Shower Receptor.....	635.18	39.26
22 42 23 00-0036    EA    42" x 42" Acrylic Corner Shower Receptor.....	730.32	39.26
22 42 23 00-0037    EA    47-1/2" x 47-1/2" Acrylic Corner Shower Receptor.....	1,184.33	107.85
<b>22 42 23 00-0038</b> <b>Molded Stone Shower Receptors</b> <small>(22 42 23 00-0021)</small>		
22 42 23 00-0039    EA    32" x 32" Molded Stone Shower Receptor (Fiat 32WL).....	286.54	39.26
22 42 23 00-0040    EA    34" x 34" Molded Stone Shower Receptor (Fiat 34WL).....	300.76	39.26
22 42 23 00-0041    EA    36" x 36" Molded Stone Shower Receptor (Fiat 36WL).....	302.35	39.26
22 42 23 00-0042    EA    42" x 42" Molded Stone Shower Receptor (Fiat 4242WL).....	372.67	39.26
22 42 23 00-0043    EA    42" x 34" Molded Stone Shower Receptor (Fiat 42WL).....	330.00	39.26
22 42 23 00-0044    EA    48" x 32" Molded Stone Shower Receptor (Fiat 4832WL).....	349.76	39.26
22 42 23 00-0045    EA    48" x 34" Molded Stone Shower Receptor (Fiat 48WL).....	352.13	39.26

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
22 42 23 00-0046	EA	54" x 34" Molded Stone Shower Receptor (Fiat 54WL) .....	407.55	47.12
22 42 23 00-0047	EA	60" x 34" Molded Stone Shower Receptor (Fiat 60WL) .....	422.56	47.12
22 42 23 00-0048	EA	36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC) .....	333.95	39.26
22 42 23 00-0049	EA	38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC) .....	342.65	39.26
<b>22 42 23 00-0050</b>		<b>Precast Terrazzo Shower Receptors</b> (22 42 23 00-0021)		
22 42 23 00-0051	EA	30" x 30" Precast Terrazzo Shower Receptor.....	544.15	39.26
22 42 23 00-0052	EA	32" x 32" Precast Terrazzo Shower Receptor.....	565.49	39.26
22 42 23 00-0053	EA	34" x 34" Precast Terrazzo Shower Receptor.....	585.24	39.26
22 42 23 00-0054	EA	36" x 36" Precast Terrazzo Shower Receptor.....	587.61	39.26
22 42 23 00-0055	EA	40" x 40" Precast Terrazzo Shower Receptor.....	643.72	39.26
22 42 23 00-0056	EA	42" x 42" Precast Terrazzo Shower Receptor.....	672.16	39.26
22 42 23 00-0057	EA	48" x 48" Precast Terrazzo Shower Receptor.....	947.16	39.26
22 42 23 00-0058	EA	36" x 32" Precast Terrazzo Shower Receptor.....	580.50	39.26
22 42 23 00-0059	EA	42" x 32" Precast Terrazzo Shower Receptor.....	591.83	39.26
22 42 23 00-0060	EA	42" x 34" Precast Terrazzo Shower Receptor.....	612.11	39.26
22 42 23 00-0061	EA	42" x 36" Precast Terrazzo Shower Receptor.....	637.39	39.26
22 42 23 00-0062	EA	32" x 48" Precast Terrazzo Shower Receptor.....	639.76	39.26
22 42 23 00-0063	EA	48" x 34" Precast Terrazzo Shower Receptor.....	672.16	39.26
22 42 23 00-0064	EA	54" x 32" Precast Terrazzo Shower Receptor.....	704.56	39.26
22 42 23 00-0065	EA	60" x 30" Precast Terrazzo Shower Receptor.....	953.29	47.12
22 42 23 00-0066	EA	60" x 32" Precast Terrazzo Shower Receptor.....	1,042.95	47.12
22 42 23 00-0067	EA	60" x 34" Precast Terrazzo Shower Receptor.....	1,047.35	47.12
22 42 23 00-0068	EA	60" x 36" Precast Terrazzo Shower Receptor.....	1,051.72	47.12
22 42 23 00-0069	EA	32" x 32" Precast Terrazzo Corner Shower Receptor.....	590.77	39.26
22 42 23 00-0070	EA	34" x 34" Precast Terrazzo Corner Shower Receptor.....	591.83	39.26
22 42 23 00-0071	EA	36" x 36" Precast Terrazzo Corner Shower Receptor.....	593.93	39.26
22 42 23 00-0072	EA	40" x 40" Precast Terrazzo Corner Shower Receptor.....	713.25	39.26
22 42 23 00-0073	EA	36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,301.96	39.26
22 42 23 00-0074	EA	60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,449.04	47.12
22 42 23 00-0075	EA	60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,510.68	47.12
<b>22 42 23 00-0076</b>		<b>Shower Receptors Accessories</b> (22 42 23 00-0021)		
22 42 23 00-0077	SF	Polyvinyl Chloride (PVC) Shower Pan Liner .....	3.56	
<b>22 42 23 00-0078</b>		<b>Removal And Reinstallation Of Fixtures And Trim</b> (22 42 23)		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 23 00-0079	EA	Removal And Reinstallation Of Shower Head .....	47.12	
<b>22 42 33</b>		<b>Wash Fountains</b> (22 42)		
<b>22 42 33 00-0001</b>		<b>Circular Wash Fountain, Deep Bowl</b> (22 42 33)		
		Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0002	EA	36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD) .....	8,283.18	157.57
		For Metal Soap Dispenser, Add	100.00	
		For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0003	EA	36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD) .....	4,900.86	157.57
		For Metal Soap Dispenser, Add	100.00	
		For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0004	EA	36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE) .....	8,530.30	157.57
		For Metal Soap Dispenser, Add	100.00	
		For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0005	EA	54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD) .....	10,560.57	180.08
		For Metal Soap Dispenser, Add	100.00	
		For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0006	EA	54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD) .....	5,655.27	180.08
		For Metal Soap Dispenser, Add	100.00	
		For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0007	EA	54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE) .....	10,223.55	180.08
		For Metal Soap Dispenser, Add	100.00	
		For Stainless Steel Pedestal Panels, Add	100.00	
<b>22 42 33 00-0008</b>		<b>Semi-Circular Wash Fountain, Deep Bowl</b> (22 42 33)		
		Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0009	EA	36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD) .....	7,227.42	135.06
		For Metal Soap Dispenser, Add	100.00	
		For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0010	EA	36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD) .....	4,477.06	135.06
		For Metal Soap Dispenser, Add	100.00	
		For Stainless Steel Pedestal Panels, Add	100.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 33 00-0011 EA 36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE).....	6,463.41	135.06
For Metal Soap Dispenser, Add	100.00	
For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0012 EA 54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD).....	8,869.76	157.57
For Metal Soap Dispenser, Add	100.00	
For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0013 EA 54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD).....	5,403.81	157.57
For Metal Soap Dispenser, Add	100.00	
For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0014 EA 54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE).....	7,689.63	157.57
For Metal Soap Dispenser, Add	100.00	
For Stainless Steel Pedestal Panels, Add	100.00	

**22 42 39 Commercial Faucets, Supplies, and Trim (22 42)**

<b>22 42 39 00-0001 Kitchen Faucets (22 42 39)</b>		
22 42 39 00-0002 EA Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST).....	188.29	48.21
22 42 39 00-0003 EA Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST).....	212.53	48.21
22 42 39 00-0004 EA Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST).....	193.97	48.21
22 42 39 00-0005 EA Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440-SS-DST).....	219.49	48.21
22 42 39 00-0006 EA Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24).....	175.48	48.21
22 42 39 00-0007 EA Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24).....	192.55	48.21
22 42 39 00-0008 EA Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF).....	250.11	48.21
22 42 39 00-0009 EA Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF).....	177.88	48.21
22 42 39 00-0010 EA Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF).....	171.42	48.21
22 42 39 00-0011 EA Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF).....	203.02	48.21
22 42 39 00-0012 EA Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24).....	349.41	48.21
22 42 39 00-0013 EA Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24).....	383.35	48.21
22 42 39 00-0014 EA Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP).....	361.09	52.35
22 42 39 00-0015 EA Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP).....	359.43	52.35
22 42 39 00-0016 EA Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP).....	268.11	52.35
22 42 39 00-0017 EA Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR).....	620.28	48.21
22 42 39 00-0018 EA Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK).....	784.97	48.21
22 42 39 00-0019 EA Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB).....	839.87	48.21
22 42 39 00-0020 EA Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR).....	620.28	48.21
22 42 39 00-0021 EA Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK).....	784.97	48.21
22 42 39 00-0022 EA Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB).....	839.87	48.21
<b>22 42 39 00-0023 Lavatory Faucets (22 42 39)</b>		
22 42 39 00-0024 EA Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST).....	228.93	34.71
22 42 39 00-0025 EA 4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF).....	158.82	34.71
22 42 39 00-0026 EA 4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU).....	197.17	34.71
22 42 39 00-0027 EA 4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM).....	216.30	34.71
22 42 39 00-0028 EA Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU).....	265.70	34.71
22 42 39 00-0029 EA Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF).....	309.58	34.71
22 42 39 00-0030 EA Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104).....	188.92	34.71
22 42 39 00-0031 EA Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002).....	287.68	34.71
22 42 39 00-0032 EA Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665).....	207.27	34.71
22 42 39 00-0033 EA 3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710).....	212.08	34.71
22 42 39 00-0034 EA 3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712).....	256.14	34.71
22 42 39 00-0035 EA 4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805).....	250.93	34.71
22 42 39 00-0036 EA 4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104).....	204.97	34.71
<b>22 42 39 00-0037 Bath And Shower Faucets (22 42 39)</b>		
<b>22 42 39 00-0038 Bath And Shower Faucets With Valve Body (22 42 39 00-0037)</b>		
22 42 39 00-0039 EA Single Lever Handle Chrome Tub Filler, Pressure-Balance (American Standard T480 500).....	212.03	41.85
22 42 39 00-0040 EA Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501).....	248.20	41.85
22 42 39 00-0041 EA Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502).....	271.39	41.85
22 42 39 00-0042 EA Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505).....	196.26	41.85
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0043 EA Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501).....	205.53	41.85
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0044 EA Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502).....	232.43	41.85
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0045 EA Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502).....	263.04	41.85
For Faucet With Metal Cross Handles, Add	45.75	

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 42 39 00-0046	Shower Valves And Trim <small>(22 42 39)</small>		
	See CSI section 22 41 39 00-0011 for residential shower valves and heads.		
22 42 39 00-0047	EA Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319).....	344.05	65.09
22 42 39 00-0048	EA Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP) .....	768.62	65.09
22 42 39 00-0049	EA Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP).....	534.73	65.09
22 42 39 00-0050	EA Senior Institutional Shower Head (Symmons® 4-150).....	206.23	41.85
22 42 39 00-0051	EA Universal Institutional Shower Head (Symmons® 4-151).....	344.35	41.85
22 42 39 00-0052	EA Fre-Flo Institutional Shower Head (Symmons® 4-295) .....	242.59	41.85
22 42 39 00-0053	EA Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385) .....	183.04	41.85
22 42 39 00-0054	EA Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X).....	768.96	62.68
22 42 39 00-0055	EA Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X).....	631.39	72.32
22 42 39 00-0056	EA Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X) .....	832.96	72.32
22 42 39 00-0057	EA Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X).....	1,172.24	77.13
22 42 39 00-0058	EA Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S).....	1,065.10	65.09
	<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
	<i>For Recessed Soap Dish, Add</i>	108.12	
	<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
	<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0059	EA Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807).....	1,266.39	65.09
	<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
	<i>For Recessed Soap Dish, Add</i>	108.12	
	<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
	<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0060	EA Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S) .....	862.18	65.09
	<i>For Hand Spray, Hose And Wall Hooks, Add</i>	19.32	
	<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	78.39	
	<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0061	EA Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS) .....	1,301.78	65.09
	<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0062	EA Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS) .....	1,396.53	65.09
	<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
	<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0063	EA Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931).....	2,576.78	65.09
	<i>For Recessed Soap Dish, Add</i>	83.94	
	<i>For Pressure Balance And Metering Combination, Add</i>	227.79	
22 42 39 00-0064	EA Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921) .....	2,250.86	65.09
	<i>For Recessed Soap Dish, Add</i>	83.94	
	<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0065	EA Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231).....	1,129.65	65.09
22 42 39 00-0066	EA Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS).....	1,734.28	65.09
	<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
	<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0067	EA Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60).....	1,128.13	65.09
22 42 39 00-0068	EA Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS) .....	1,124.79	65.09
	<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
22 42 39 00-0069	EA Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4).....	830.11	57.85
22 42 39 00-0070	EA Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500) .....	641.56	41.85
22 42 39 00-0071	Service Sink Faucets <small>(22 42 39)</small>		
22 42 39 00-0072	EA 4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™).....	456.70	80.27
22 42 39 00-0073	EA 3" Spout, Wall Mount, Service Sink Faucet With Lever Handles (American Standard 8340.235).....	327.39	80.27
22 42 39 00-0074	EA 3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243) .....	352.43	80.27
22 42 39 00-0075	EA 6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012) .....	365.42	80.27
22 42 39 00-0076	EA 7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101).....	477.63	112.52
22 42 39 00-0077	EA 7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110) .....	535.13	128.24
22 42 39 00-0078	EA 11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115).....	616.76	128.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0079 EA Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRCF).....	362.68	80.27
22 42 39 00-0080 EA 44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB).....	739.95	128.24
22 42 39 00-0081 EA Wall Mount Service Sink Faucet, Stainless Steel With 10" Swing Spout, Lever Handles (Fisher 46302).....	613.06	80.27
22 42 39 00-0082 EA Deck Mount Service Sink Faucet, Stainless Steel With 8" Swing Spout, Lever Handles (Fisher 57649).....	416.05	80.27
<b>22 42 39 00-0083 Laboratory Faucets And Fittings (22 42 39)</b>		
22 42 39 00-0084 EA Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927).....	185.42	34.14
22 42 39 00-0085 EA Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929).....	303.22	48.21
22 42 39 00-0086 EA Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930).....	392.48	48.21
22 42 39 00-0087 EA Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933).....	241.91	45.02
22 42 39 00-0088 EA 6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940).....	328.83	64.22
22 42 39 00-0089 EA 6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP).....	445.22	64.22
22 42 39 00-0090 EA Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946).....	356.05	48.21
22 42 39 00-0091 EA Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942).....	349.98	64.22
22 42 39 00-0092 EA Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP).....	229.05	37.06
22 42 39 00-0093 EA Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP).....	322.70	52.35
22 42 39 00-0094 EA 4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802).....	248.94	52.35
22 42 39 00-0095 EA 4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317CP).....	303.68	52.35
22 42 39 00-0096 EA Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP).....	79.75	32.20
22 42 39 00-0097 EA Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP).....	492.76	57.85
22 42 39 00-0098 EA Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP).....	633.38	57.85
22 42 39 00-0099 EA Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP).....	761.48	57.85
22 42 39 00-0100 EA Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP).....	673.51	57.85
22 42 39 00-0101 EA Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM).....	801.78	57.85
22 42 39 00-0102 EA Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA).....	149.36	31.82
22 42 39 00-0103 EA 90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA).....	210.60	38.18
22 42 39 00-0104 EA 180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA).....	210.60	38.18
22 42 39 00-0105 EA Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA).....	271.84	44.55
22 42 39 00-0106 EA Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA).....	333.06	50.91
<b>22 42 39 00-0107 Laboratory Countertop Faucets (22 42 39)</b>		
Note: Includes final connection. Excludes rough-in.		
22 42 39 00-0108 EA 6" Gooseneck Deck Mount Single Valve Faucet (Fisher Hamilton 32L391).....	201.80	26.18
22 42 39 00-0109 EA 6" Gooseneck Deck Mount Hot And Cold Valve Faucet (Fisher Hamilton 32L406).....	275.62	26.18
22 42 39 00-0110 EA Deionozed Water 6" Gooseneck Deck Mount Single Valve Faucet (Fisher Hamilton 32L512).....	278.57	26.18
22 42 39 00-0111 EA Turret Deck Mount Air Or Gas Valve (Fisher Hamilton 30L535).....	91.86	15.71
<b>22 42 39 00-0112 Gooseneck Faucets With Independent Eyewash (22 42 39)</b>		
22 42 39 00-0113 EA Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA).....	809.33	36.16
22 42 39 00-0114 EA Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL).....	878.03	33.74
22 42 39 00-0115 EA 8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8).....	1,134.34	36.16
22 42 39 00-0116 EA Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST).....	1,198.31	36.16
22 42 39 00-0117 EA Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW).....	1,458.03	24.11
22 42 39 00-0118 EA Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP).....	1,753.69	60.27
22 42 39 00-0119 EA Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW).....	2,451.62	60.27
22 42 39 00-0120 EA 8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW).....	2,533.04	60.27
22 42 39 00-0121 EA Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101).....	281.26	36.65
22 42 39 00-0122 EA Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200).....	309.93	36.65
22 42 39 00-0123 EA Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201).....	334.96	36.65
22 42 39 00-0124 EA 6 Gallon Capacity, Tempering Valve (WaterSaver AP3600).....	1,491.24	24.11
<b>22 42 39 00-0125 Bubblers And Glass Fillers (22 42 39)</b>		
22 42 39 00-0126 EA Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP).....	326.42	34.14
22 42 39 00-0127 EA Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP).....	291.29	45.02
22 42 39 00-0128 EA 7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP).....	321.98	34.14
22 42 39 00-0129 EA Wall Mount Glass Filler With Metering Valve And Push Button Handle (Chicago 324-665PSHCP).....	418.40	41.85
22 42 39 00-0130 EA Stainless Steel Deck Mount Bubbler (Just JCB-4SS).....	520.81	41.85
22 42 39 00-0131 EA Vandal Resistant Stainless Steel Deck Mount Bubbler (Just JSB-10-VR).....	540.64	41.85
22 42 39 00-0132 EA Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP).....	199.64	48.89
22 42 39 00-0133 EA Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF).....	382.01	37.06
22 42 39 00-0134 EA Push Button Bubbler, 1/2" OD (Haws 5017LF).....	387.11	37.06
22 42 39 00-0135 EA Push Button Bubbler, 3/8" NPT (Haws 5010-6427).....	322.64	37.06



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0136			<b>Automatic Electronic Sensor Faucets</b> (22 42 39)		
22 42 39 00-0137	EA		Electronic Lavatory Faucet (American Standard 6055.205.002).....	597.32	80.41
			For Faucet With Temperature Control, Add	40.00	
22 42 39 00-0138	EA		Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002).....	602.89	80.41
			For Faucet With Temperature Control, Add	40.00	
22 42 39 00-0139	EA		Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1).....	807.67	87.32
22 42 39 00-0140	EA		Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1).....	841.50	80.41
22 42 39 00-0141	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880).....	1,248.41	87.32
22 42 39 00-0142	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT).....	1,562.04	87.32
22 42 39 00-0143	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187).....	1,459.19	87.32
22 42 39 00-0144	EA		Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM).....	1,019.28	80.41
22 42 39 00-0145	EA		Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100).....	992.17	80.41
22 42 39 00-0146	EA		Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101).....	1,049.02	80.41
22 42 39 00-0147	EA		Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102).....	906.90	80.41
22 42 39 00-0148	EA		Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100).....	1,049.02	80.41
22 42 39 00-0149	EA		Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102).....	914.82	80.41
22 42 39 00-0150	EA		Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100).....	914.82	80.41
22 42 39 00-0151	EA		Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101).....	1,031.69	80.41
22 42 39 00-0152	EA		Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102).....	872.95	80.41
22 42 39 00-0153	EA		4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103).....	837.09	80.41
22 42 39 00-0154	EA		Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60).....	1,219.75	80.41
22 42 39 00-0155			<b>Singles</b> (22 42 39)		
22 42 39 00-0156	EA		Stainless Steel Single Deck Faucet With 6" Swivel/Rigid Gooseneck Spout And Lever Handles (Fisher 58130).....	230.60	35.39
22 42 39 00-0157			<b>Other Trim</b> (22 42 39)		
22 42 39 00-0158	EA		Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330).....	17.37	5.24
22 42 39 00-0159	EA		1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP).....	129.19	15.71
22 42 39 00-0160	EA		1-1/4" Grid Strainer Tailpiece (Chicago Faucet 327-XCP).....	46.82	13.09
22 42 39 00-0161	EA		1-1/2" Grid Strainer Tailpiece (Chicago Faucet 327-X1-1/2TPCP).....	104.19	13.09
22 42 39 00-0162	EA		1/2" NPT x 3/8" Compression Chrome Angle Stop (Chicago Faucet 1005-ABCP).....	107.96	10.12
22 42 39 00-0163	EA		3/8" NPT x 3/8" Compression Chrome Angle Stop (Chicago Faucet 1004-ABCP).....	94.29	10.12
22 42 39 00-0164	EA		1/2" NPT x 3/8" Compression Chrome Angle Stop (Chicago Faucet 1015-ABCP).....	102.46	10.12
22 42 39 00-0165	EA		1/2" NPT x 1/2" NPT Chrome Straight Stop (Chicago Faucet 45-ABCP).....	103.52	10.12
22 42 39 00-0166	EA		3/4" NPT x 3/4" NPT Chrome Straight Stop (Chicago Faucet 375-ABCP).....	127.64	10.12
22 42 39 00-0167	EA		1/2" NPT x 1/2" NPT Chrome Straight Stop (Chicago Faucet 699-ABCP).....	170.03	10.12
22 42 39 00-0168	EA		Stainless Steel Hand Sink With Foot Pedals, 10" Deep.....	1,934.47	241.05
22 42 39 00-0169	EA		Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102).....	61.05	14.47
22 42 39 00-0170	EA		Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus).....	63.92	14.47
22 42 39 00-0171	EA		Lavatory Protective Enclosure (IPS Truebro Lav Shield).....	161.48	14.47
22 42 39 00-0172	EA		36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard).....	198.40	14.47
22 42 39 00-0173	EA		42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard).....	225.22	14.47
22 42 39 00-0174	EA		1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036).....	34.55	10.12
22 42 39 00-0175	EA		1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037).....	34.55	10.12
22 42 39 00-0176	EA		1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 25558).....	47.60	10.12
22 42 39 00-0177	PR		Pair of 16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line.....	32.84	11.12
22 42 39 00-0178	EA		12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	20.42	6.54
22 42 39 00-0179	EA		12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	21.01	6.54
22 42 39 00-0180			<b>Removal And Reinstallation Of Fixtures And Trim</b> (22 42 39)		
			Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0181	EA		Removal And Reinstallation Of Faucet.....	83.75	
22 42 43			<b>Flushometers</b> (22 42)		
22 42 43 00-0001			<b>Water Closet Flush Valves</b> (22 42 43)		
22 42 43 00-0002	EA		Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL).....	305.87	32.88
22 42 43 00-0003	EA		Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6).....	295.86	32.88
22 42 43 00-0004	EA		Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111).....	346.13	32.88
22 42 43 00-0005	EA		Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140).....	478.33	32.88
22 42 43 00-0006	EA		Top Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-142).....	534.83	32.88
22 42 43 00-0007	EA		Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S).....	998.70	32.88
22 42 43 00-0008	EA		Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S).....	993.99	32.88
22 42 43 00-0009	EA		Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S).....	1,050.98	32.88
22 42 43 00-0010	EA		Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113).....	974.47	32.88
22 42 43 00-0011	EA		Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115).....	420.69	32.88
			Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.		
22 42 43 00-0012	EA		Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110).....	688.61	32.88
22 42 43 00-0013	EA		Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A).....	419.79	32.88
22 42 43 00-0014	EA		Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X).....	417.72	32.88
22 42 43 00-0015	EA		Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A).....	427.61	28.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0016 EA Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X).....	466.01	28.92
22 42 43 00-0017 EA 1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN).....	1,013.44	32.88
22 42 43 00-0018 EA Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32).....	1,112.76	32.88
22 42 43 00-0019 EA 1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31).....	1,416.15	32.88
22 42 43 00-0020 EA 1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32).....	1,416.15	32.88
22 42 43 00-0021 EA Exposed Manual Water Closet Flush Valve (Zurn Z6000AV).....	237.02	32.88
22 42 43 00-0022 EA Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS).....	914.35	32.88
22 42 43 00-0023 EA Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV).....	906.50	32.88
22 42 43 00-0024 EA Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A).....	449.17	28.92
22 42 43 00-0025 EA 6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451).....	136.14	4.81
22 42 43 00-0026 EA Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28).....	541.92	32.88
22 42 43 00-0027 EA Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET).....	330.31	32.88
22 42 43 00-0028 EA Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET).....	925.82	32.88
<b>22 42 43 00-0029 Urinal Flush Valves (22 42 43)</b>		
22 42 43 00-0030 EA 3/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL).....	234.10	32.88
Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0031 EA 1-1/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180).....	252.48	32.88
Note: 1.0, 1.5 or 3.5 GPF.		
22 42 43 00-0032 EA Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195).....	340.31	32.88
Note: 1.0 or 1.5 GPF.		
22 42 43 00-0033 EA Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197).....	412.66	32.88
Note: 1.0 or 1.5 GPF.		
22 42 43 00-0034 EA Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S).....	651.17	32.88
Note: 1.0 or 1.5 GPF.		
22 42 43 00-0035 EA Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S).....	876.31	32.88
Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0036 EA Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S).....	983.54	32.88
Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0037 EA Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1).....	640.40	32.88
Note: 1.0 GPF.		
22 42 43 00-0038 EA Foot Operated Flush Valve.....	723.92	32.88
Note: Can be used for water closets.		
22 42 43 00-0039 EA Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12).....	1,106.36	32.88
Note: 0.5 GPF.		
22 42 43 00-0040 EA 3/4" Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV).....	280.65	32.88
Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0041 EA Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13).....	493.71	32.88
Note: 0.13 GPF.		
22 42 43 00-0042 EA 3/4" Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV-ULF).....	268.60	32.88
Note: 0.125 GPF.		
22 42 43 00-0043 EA Top Spud, Exposed Battery Powered Urinal Flush Valve (Zurn ZTR6203-ULF).....	690.94	32.88
Note: 0.125 GPF.		
22 42 43 00-0044 EA Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS).....	695.52	32.88
Note: 0.125 GPF.		
<b>22 42 43 00-0045 Removal And Reinstallation Of Fixtures And Trim (22 42 43)</b>		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 43 00-0046 EA Removal And Reinstallation Of Flush Valve.....	130.87	
<b>22 42 43 00-0047 Plumbing Control Transformers (22 42 43)</b>		
22 42 43 00-0048 EA 6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6).....	63.06	
<b>22 42 46 Chemical Toilets (22 42)</b>		
Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.		
22 42 46 00-0001 <b>Standard Chemical Toilets (22 42 46)</b>		
22 42 46 00-0002 <b>Small Tank Chemical Toilets (22 42 46 00-0001)</b>		
22 42 46 00-0003 EA Chemical Toilet, Small Tank 7,000 Uses/Year.....	4,018.16	964.21
		131.84
For Extra Urinal, Add		
22 42 46 00-0004 <b>Medium Tank Chemical Toilets (22 42 46 00-0001)</b>		
22 42 46 00-0005 EA Chemical Toilet, Medium Tank 13,000 Uses/Year.....	4,774.30	1,148.38
		156.03
For Extra Urinal, Add		
22 42 46 00-0006 <b>Large Tank Chemical Toilets (22 42 46 00-0001)</b>		
22 42 46 00-0007 EA Chemical Toilet, Large Tank 28,000 Uses/Year.....	5,787.00	1,302.65
		214.26
For Extra Urinal, Add		

**22 43 Healthcare Plumbing Fixtures (22 40)**

**22 43 13 Healthcare Water Closets (22 43)**

<b>22</b>	<b>Plumbing</b>
<b>22 40</b>	<b>Plumbing Fixtures</b>
<b>22 43</b>	<b>Healthcare Plumbing Fixtures</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 13 00-0001			<b>Healthcare Water Closets</b> <small>(22 43 13)</small>		
22 43 13 00-0002	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA).....	828.01	100.28
22 43 13 00-0003	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA).....	649.01	100.28
<b>22 43 16</b>			<b>Healthcare Sinks</b> <small>(22 43)</small>		
22 43 16 00-0001			<b>Healthcare Sinks</b> <small>(22 43 16)</small>		
			Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.		
22 43 16 00-0002	EA		25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard).....	1,195.15	64.60
			<i>For Stainless Steel Rim Guards (Three Sides), Add</i>	108.61	
22 43 16 00-0003	EA		29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard).....	1,279.16	185.61
			<i>For Stainless Steel Rim Guards (Three Sides), Add</i>	108.61	
			<i>For Pedestal Base, Add</i>	497.95	
22 43 16 00-0004	EA		28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard).....	1,147.33	64.60
			<i>For Painted Bracket Supports, Add</i>	173.25	
22 43 16 00-0005	EA		20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard).....	1,003.89	64.60
<b>22 43 39</b>			<b>Healthcare Faucets</b> <small>(22 43)</small>		
22 43 39 00-0001			<b>Medical Faucet Spouts</b> <small>(22 43 39)</small>		
22 43 39 00-0002	EA		Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522).....	98.17	14.47
22 43 39 00-0003			<b>Electronic Proximity Medical Faucets</b> <small>(22 43 39)</small>		
22 43 39 00-0004	EA		DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU).....	565.37	70.77
			<i>For Hard Wired AC Powered, Add</i>	24.73	
22 43 39 00-0005			<b>Foot And Knee Faucet Controls</b> <small>(22 43 39)</small>		
22 43 39 00-0006	EA		Single Supply Metering Pedal Valve (Chicago Faucet 628).....	375.24	128.62
22 43 39 00-0007	EA		Double Supply Metering Pedal Valve (Chicago Faucet 625).....	439.24	128.62
22 43 39 00-0008	EA		Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP).....	932.60	128.62
22 43 39 00-0009	EA		Double Knee Actuated Metering Mixing Valve (American Standard 7676).....	651.43	128.62
22 43 39 00-0010			<b>Centerset Medical Faucets</b> <small>(22 43 39)</small>		
22 43 39 00-0011	EA		Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04).....	509.01	70.77
22 43 39 00-0012	EA		Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04).....	514.81	70.77
22 43 39 00-0013	EA		Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04).....	514.22	70.77
22 43 39 00-0014	EA		Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04).....	459.15	70.77
22 43 39 00-0015	EA		Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04).....	439.44	70.77
22 43 39 00-0016			<b>Bedpan Washers</b> <small>(22 43 39)</small>		
22 43 39 00-0017	EA		Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675).....	1,208.30	128.62
22 43 39 00-0018	EA		Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676).....	1,147.60	128.62
22 43 39 00-0019	EA		Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685).....	1,129.62	128.62
22 43 39 00-0020	EA		Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686).....	1,112.13	128.62
<b>22 43 43</b>			<b>Healthcare Plumbing Fixture Flushometers</b> <small>(22 43)</small>		
22 43 43 00-0001			<b>Healthcare Plumbing Fixture Flushometers</b> <small>(22 43 43)</small>		
22 43 43 00-0002	EA		Exposed Manual Service Sink Flush Valve (Sloan Royal-117).....	223.26	32.88
22 43 43 00-0003	EA		Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW).....	502.28	32.88
<b>22 43 46</b>			<b>Healthcare Patient Care Units</b> <small>(22 43)</small>		
22 43 46 00-0001			<b>Patient Care Units</b> <small>(22 43 46)</small>		
22 43 46 00-0002	EA		47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV).....	18,986.33	192.84
			<i>For SDB Single Temperature Dialysis Box, Add</i>	1,395.48	
			<i>For DDB Dual Temperature Dialysis Box, Add</i>	1,482.16	
			<i>For BWSEV Bedpan Washer With Elevated Valve, Add</i>	1,063.40	
			<i>For LOCK Flush Valve Lockout Device, Add</i>	786.58	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 46 00-0003 EA 31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB) .....	14,950.49	168.74
<i>For SDB Single Temperature Dialysis Box, Add</i>	1,395.48	
<i>For DDB Dual Temperature Dialysis Box, Add</i>	1,482.16	
<i>For BWSEV Bedpan Washer With Elevated Valve, Add</i>	1,063.40	
<i>For LOCK Flush Valve Lockout Device, Add</i>	786.58	
<b>22 43 46 00-0004 Patient Care Plumbing Accessories</b> (22 43 46)		
22 43 46 00-0005 EA One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920) .....	1,812.78	26.18
22 43 46 00-0006 EA Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919) .....	1,997.84	26.18
<b>22 45 Emergency Plumbing Fixtures</b> (22 45)		
<b>22 45 13 Emergency Showers</b> (22 45)		
<b>22 45 13 00-0001 Emergency Drench Showers</b> (22 45 13)		
<b>22 45 13 00-0002 Emergency Drench Showers (Haws)</b> (22 45 13 00-0001)		
Note: Includes one pull rod.		
22 45 13 00-0003 EA Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122) .....	649.43	168.74
22 45 13 00-0004 EA Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123) .....	746.25	168.74
22 45 13 00-0005 EA Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC) .....	800.03	168.74
22 45 13 00-0006 EA Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130) .....	961.39	168.74
22 45 13 00-0007 EA Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H) .....	1,294.87	168.74
22 45 13 00-0008 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100) .....	1,020.36	192.84
22 45 13 00-0009 EA Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP) .....	1,116.98	216.95
22 45 13 00-0010 EA Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169) .....	1,014.78	216.95
22 45 13 00-0011 EA Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163) .....	1,036.30	216.95
22 45 13 00-0012 EA Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164) .....	1,439.69	216.95
<b>22 45 13 00-0013 Emergency Drench Showers (Speakman)</b> (22 45 13 00-0001)		
Note: Includes one pull rod.		
22 45 13 00-0014 EA Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220) .....	561.74	168.74
22 45 13 00-0015 EA Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227) .....	578.49	168.74
22 45 13 00-0016 EA Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253) .....	907.73	192.84
<b>22 45 13 00-0017 Emergency Drench Showers (WaterSaver)</b> (22 45 13 00-0001)		
Note: Includes one pull rod.		
22 45 13 00-0018 EA Emergency Shower, Vertically Mounted (WaterSaver ES635) .....	755.45	168.74
22 45 13 00-0019 EA Emergency Shower, Horizontally Mounted (WaterSaver ES643) .....	773.73	168.74
22 45 13 00-0020 EA All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691) .....	1,668.87	168.74
22 45 13 00-0021 EA Emergency Shower, Recess Mounted (WaterSaver ES629) .....	1,202.43	216.95
22 45 13 00-0022 EA Emergency Shower, Semi-Concealed (WaterSaver ES658) .....	1,616.00	216.95
<b>22 45 16 Eyewash Equipment</b> (22 45)		
<b>22 45 16 00-0001 Emergency Eyewash Equipment</b> (22 45 16)		
<b>22 45 16 00-0002 Emergency Eyewash Equipment (Haws)</b> (22 45 16 00-0001)		
22 45 16 00-0003 EA Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620) .....	289.33	4.82
22 45 16 00-0004 EA Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP) .....	1,353.63	216.95
<b>22 45 16 00-0005 Emergency Eyewash Equipment (WaterSaver)</b> (22 45 16 00-0001)		
22 45 16 00-0006 EA Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805) .....	755.06	48.21
22 45 16 00-0007 EA Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH) .....	755.06	48.21
22 45 16 00-0008 EA Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806) .....	768.91	48.21
22 45 16 00-0009 EA Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH) .....	768.91	48.21
22 45 16 00-0010 EA Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822) .....	1,023.16	48.21
22 45 16 00-0011 EA Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848) .....	1,166.39	48.21
22 45 16 00-0012 EA Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849) .....	1,166.39	48.21
22 45 16 00-0013 EA Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893) .....	2,165.37	48.21
22 45 16 00-0014 EA Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH) .....	2,165.37	48.21
22 45 16 00-0015 EA Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895) .....	2,266.15	48.21
22 45 16 00-0016 EA Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH) .....	2,266.15	48.21
22 45 16 00-0017 EA Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898) .....	2,796.51	48.21
22 45 16 00-0018 EA Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899) .....	2,796.51	48.21
22 45 16 00-0019 EA Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808) .....	1,382.53	168.74



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 16 00-0020	EA		Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810) .....	1,362.98	168.74
22 45 16 00-0021	EA		Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814) .....	977.68	168.74
22 45 16 00-0022	EA		Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC) .....	1,384.01	168.74
22 45 16 00-0023	EA		Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P) .....	832.61	168.74
<b>22 45 23 Personal Eyewash Equipment (22 45)</b>					
22 45 23 00-0001			Portable Eyewash Equipment (22 45 23)		
22 45 23 00-0002			Portable Eyewash Equipment (Bradley) (22 45 23 00-0001)		
22 45 23 00-0003	EA		Portable (Wall Mounted) Heated Gravity-Fed Emergency Eye/Face Wash (Bradley S19-921H) .....	1,717.39	14.47
<b>22 45 26 Eye/Face Wash Equipment (22 45)</b>					
22 45 26 00-0001			Emergency Eye/Face Wash Equipment (22 45 26)		
22 45 26 00-0002			Emergency Eye/Face Wash Equipment (Haws) (22 45 26 00-0001)		
22 45 26 00-0003	EA		Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460) .....	708.99	120.53
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0004	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324) .....	708.60	168.74
22 45 26 00-0005	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B) .....	692.46	168.74
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0006	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT) .....	755.93	168.74
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0007	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B) .....	762.38	168.74
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0008	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT) .....	838.76	168.74
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0009	EA		Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC) .....	1,144.26	168.74
22 45 26 00-0010	EA		Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B) .....	2,166.20	168.74
22 45 26 00-0011	EA		Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271) .....	869.76	192.84
22 45 26 00-0012	EA		Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461) .....	993.46	192.84
22 45 26 00-0013	EA		Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777) .....	2,241.31	192.84
22 45 26 00-0014	EA		Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611) .....	596.63	48.21
22 45 26 00-0015	EA		Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612) .....	575.12	48.21
22 45 26 00-0016	EA		Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH) .....	602.01	48.21
22 45 26 00-0017	EA		Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610) .....	757.99	48.21
22 45 26 00-0018	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC) .....	1,837.51	241.05
22 45 26 00-0019	EA		Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM) .....	2,230.55	192.84
22 45 26 00-0020	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC) .....	2,289.32	241.05
22 45 26 00-0021	EA		Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM) .....	2,693.11	192.84
<b>22 45 26 00-0022 Emergency Eye/Face Wash Equipment (Speakman) (22 45 26 00-0001)</b>					
22 45 26 00-0023	EA		Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495) .....	631.53	168.74
22 45 26 00-0024	EA		Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496) .....	773.73	192.84
<b>22 45 26 00-0025 Emergency Eye/Face Wash Equipment (WaterSaver) (22 45 26 00-0001)</b>					
22 45 26 00-0026	EA		Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724) .....	1,232.67	168.74
22 45 26 00-0027	EA		Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC) .....	1,639.00	168.74
22 45 26 00-0028	EA		Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727) .....	1,587.34	168.74
22 45 26 00-0029	EA		Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765) .....	1,464.08	168.74
22 45 26 00-0030	EA		Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774) .....	795.38	48.21
22 45 26 00-0031	EA		Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH) .....	795.38	48.21
22 45 26 00-0032	EA		Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775) .....	771.34	48.21
22 45 26 00-0033	EA		Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH) .....	771.34	48.21
22 45 26 00-0034	EA		Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778) .....	1,184.46	48.21
22 45 26 00-0035	EA		Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779) .....	1,184.46	48.21



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Fixtures</b>	<b>22 40</b>	
<b>Emergency Plumbing Fixtures</b>	<b>22 45</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 45 26 00-0036</b> <b>Emergency Eye/Face Wash Equipment (Guardian)</b> <small>(22 45 26 00-0001)</small>		
<small>Note: Includes one pull rod.</small>		
22 45 26 00-0037    EA    All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994).....	5,330.94	168.74
<b>22 45 29</b> <b>Hand-Held Emergency Drench Hoses</b> <small>(22 45)</small>		
<b>22 45 29 00-0001</b> <b>Hand-Held Emergency Eye/Face/Body Wash With Hose</b> <small>(22 45 29)</small>		
<b>22 45 29 00-0002</b> <b>Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws)</b> <small>(22 45 29 00-0001)</small>		
22 45 29 00-0003    EA    Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904).....	636.88	60.27
22 45 29 00-0004    EA    Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905).....	733.69	60.27
<b>22 45 29 00-0005</b> <b>Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver)</b> <small>(22 45 29 00-0001)</small>		
22 45 29 00-0006    EA    Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020).....	605.12	60.27
22 45 29 00-0007    EA    Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025).....	556.86	60.27
22 45 29 00-0008    EA    Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014).....	840.79	60.27
22 45 29 00-0009    EA    Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022).....	787.09	60.27
22 45 29 00-0010    EA    Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026).....	806.32	60.27
22 45 29 00-0011    EA    Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028).....	1,059.51	60.27
22 45 29 00-0012    EA    Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB).....	1,227.91	60.27
22 45 29 00-0013    EA    Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041).....	1,170.81	60.27
<b>22 45 33</b> <b>Combination Emergency Fixture Units</b> <small>(22 45)</small>		
<b>22 45 33 00-0001</b> <b>Emergency Shower With Eye/Face Wash</b> <small>(22 45 33)</small>		
<b>22 45 33 00-0002</b> <b>Emergency Shower With Eye/Face Wash (Haws)</b> <small>(22 45 33 00-0001)</small>		
22 45 33 00-0003    EA    Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330).....	3,773.24	313.37
22 45 33 00-0004    EA    Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP).....	2,546.91	313.37
<small>Note: Includes freeze protection bury valve.</small>		
22 45 33 00-0005    EA    Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309).....	1,767.01	313.37
22 45 33 00-0006    EA    Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158).....	2,826.60	313.37
22 45 33 00-0007    EA    Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP).....	2,068.21	313.37
22 45 33 00-0008    EA    Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC).....	1,944.50	313.37
22 45 33 00-0009    EA    Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317).....	1,659.44	313.37
22 45 33 00-0010    EA    Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336).....	2,729.78	313.37
22 45 33 00-0011    EA    Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC).....	2,993.34	313.37
22 45 33 00-0012    EA    Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW).....	3,052.50	313.37
22 45 33 00-0013    EA    Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC).....	3,412.87	313.37
22 45 33 00-0014    EA    Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD).....	3,622.63	313.37
22 45 33 00-0015    EA    Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW).....	3,563.47	313.37
22 45 33 00-0016    EA    Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP).....	5,338.42	313.37
22 45 33 00-0017    EA    Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V).....	5,628.86	313.37
22 45 33 00-0018    EA    Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1).....	11,921.85	313.37
22 45 33 00-0019    EA    Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325).....	1,659.44	313.37
22 45 33 00-0020    EA    Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP).....	1,879.96	313.37
<b>22 45 33 00-0021</b> <b>Emergency Shower With Eye/Face Wash (Speakman)</b> <small>(22 45 33 00-0001)</small>		
22 45 33 00-0022    EA    Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690).....	1,484.73	313.37

<b>22</b>	<b>Plumbing</b>
<b>22 40</b>	<b>Plumbing Fixtures</b>
<b>22 45</b>	<b>Emergency Plumbing Fixtures</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 33 00-0023			<b>Emergency Shower With Eye/Face Wash (WaterSaver)</b> (22 45 33 00-0001)		
22 45 33 00-0024	EA		All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994).....	5,555.58	261.74
22 45 33 00-0025	EA		Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC).....	5,678.04	261.74
22 45 33 00-0026	EA		Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902).....	2,226.85	261.74
22 45 33 00-0027	EA		Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P).....	2,036.33	261.74
22 45 33 00-0028	EA		Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC).....	2,633.19	261.74
<b>22 45 36</b>			<b>Emergency Fixture Water-Tempering Equipment</b> (22 45)		
22 45 36 00-0001			<b>Emergency Fixture Water-Tempering Equipment</b> (22 45 36)		
22 45 36 00-0002			<b>Emergency Fixture Water-Tempering Equipment (Haws)</b> (22 45 36 00-0001)		
22 45 36 00-0003	EA		10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW).....	674.53	60.27
22 45 36 00-0004	EA		12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE).....	991.87	60.27
22 45 36 00-0005	EA		31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E).....	1,459.81	60.27
22 45 36 00-0006	EA		78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E).....	1,723.36	60.27
22 45 36 00-0007	EA		31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H).....	2,444.10	60.27
22 45 36 00-0008	EA		12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE).....	2,578.56	60.27
22 45 36 00-0009	EA		74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE).....	4,337.37	60.27
22 45 36 00-0010	EA		78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF).....	5,214.09	60.27
22 45 36 00-0011	EA		1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B).....	755.21	60.27
<b>22 45 39</b>			<b>Emergency Plumbing Fixture Accessories</b> (22 45)		
22 45 39 00-0001			<b>Emergency Plumbing Fixture Accessories</b> (22 45 39)		
22 45 39 00-0002			<b>Emergency Plumbing Fixture Accessories (Haws)</b> (22 45 39 00-0001)		
22 45 39 00-0003	EA		Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220).....	173.04	19.29
22 45 39 00-0004	EA		Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W).....	242.96	19.29
22 45 39 00-0005	EA		Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS).....	253.71	19.29
22 45 39 00-0006	EA		Axon® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS).....	283.40	7.23
22 45 39 00-0007	EA		Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102).....	289.33	4.82
22 45 39 00-0008	EA		3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020).....	315.11	9.64
22 45 39 00-0009	EA		Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK).....	548.03	72.32
22 45 39 00-0010	EA		Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP).....	563.33	28.87
22 45 39 00-0011	EA		Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT).....	843.02	28.87
22 45 39 00-0012	EA		Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037).....	991.87	72.32
22 45 39 00-0013	EA		Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP).....	1,891.85	28.87
22 45 39 00-0014	EA		1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5).....	2,075.00	96.24
22 45 39 00-0015	EA		1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001).....	2,118.03	96.24
22 45 39 00-0016	EA		1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP).....	3,957.52	96.24
22 45 39 00-0017	EA		1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1).....	7,561.20	96.24
22 45 39 00-0018			<b>Emergency Plumbing Fixture Accessories (Speakman)</b> (22 45 39 00-0001)		
22 45 39 00-0019	EA		Privacy Curtain For Emergency Showers.....	993.41	72.32
			Note: Curtain includes stainless steel curtain rod and mounting accessories.		
22 45 39 00-0020			<b>Emergency Plumbing Fixture Accessories (WaterSaver)</b> (22 45 39 00-0001)		
22 45 39 00-0021	EA		Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC).....	160.35	15.71
22 47			<b>Drinking Fountains and Water Coolers</b> (22 40)		
<b>22 47 13</b>			<b>Drinking Fountains</b> (22 47)		
22 47 13 00-0001			<b>Indoor Drinking Fountains</b> (22 47 13)		
22 47 13 00-0002			<b>Face Mounted Indoor Drinking Fountain</b> (22 47 13 00-0001)		
22 47 13 00-0003	EA		Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S).....	1,723.48	156.69
22 47 13 00-0004	EA		Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP).....	2,512.80	168.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0005 EA Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E) .....	2,273.54	156.69
22 47 13 00-0006 EA Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP) .....	2,710.90	168.74
22 47 13 00-0007 EA Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS) .....	1,152.65	156.69
22 47 13 00-0008 EA Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP) .....	1,379.16	168.74
22 47 13 00-0009 EA Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE) .....	1,304.83	156.69
22 47 13 00-0010 EA Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP) .....	1,584.85	168.74
<b>22 47 13 00-0011 Wall Mounted Indoor Drinking Fountain (22 47 13 00-0001)</b>		
22 47 13 00-0012 EA Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701) .....	1,186.30	168.74
22 47 13 00-0013 EA Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF) .....	1,823.71	168.74
22 47 13 00-0014 EA Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Halsey-Taylor HTHB-HAC8BLWF) .....	2,311.51	216.95
22 47 13 00-0015 EA Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay VRCGRN8WSK) .....	3,141.84	216.95
22 47 13 00-0016 EA Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay EZSTLG8WSLK) .....	2,700.84	216.95
22 47 13 00-0017 EA Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay LZSTL8WSSP) .....	2,457.81	216.95
22 47 13 00-0018 EA White Vitreous China Wall-Mounted Indoor Drinking Fountain (Haws 1201) .....	1,205.35	168.74
22 47 13 00-0019 EA White Enameled Iron Wall-Mounted Indoor Drinking Fountain (Haws 1311 And 6700) .....	1,831.40	168.74
22 47 13 00-0020 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK) .....	2,772.42	168.74
22 47 13 00-0021 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK) .....	2,677.92	168.74
22 47 13 00-0022 EA Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK) .....	2,562.42	168.74
22 47 13 00-0023 EA Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK) .....	2,457.42	168.74
22 47 13 00-0024 EA Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCGRN8WSK) .....	2,236.92	168.74
22 47 13 00-0025 EA Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCGRN8WSK) .....	2,142.42	168.74
22 47 13 00-0026 EA Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSG8WSSK) .....	2,037.42	168.74
22 47 13 00-0027 EA Stainless Steel Wall-Mounted Indoor Chilled Filtered Bottle Filling Station With Hands-Free Touchless Sensor Drinking Fountain (Elkay LZO8WSSK) .....	2,037.42	168.74
22 47 13 00-0028 EA Stainless Steel Wall-Mounted Indoor Chilled Non-Filtered Bottle Filling Station With Hands-Free Fountain (Elkay EZO8WSSK) .....	1,942.92	168.74
22 47 13 00-0029 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Drinking Fountain (Elkay EZSG8WSSK) .....	1,942.92	168.74
22 47 13 00-0030 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LMABF8WSSK) .....	1,900.92	168.74
22 47 13 00-0031 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LZS8WSVRSK) .....	1,900.92	168.74
22 47 13 00-0032 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSSK) .....	1,806.42	168.74
22 47 13 00-0033 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSK) .....	1,753.92	168.74
22 47 13 00-0034 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSP) .....	1,680.42	168.74
22 47 13 00-0035 EA Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSDWSSK) .....	1,648.92	168.74
22 47 13 00-0036 EA Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK) .....	1,543.92	168.74
22 47 13 00-0037 EA Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSLK) .....	1,753.92	168.74
22 47 13 00-0038 EA Vinyl Clad Cabinet, Non Chilled, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK) .....	1,543.92	168.74
22 47 13 00-0039 EA Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLK) .....	1,636.47	168.74
22 47 13 00-0040 EA Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor, Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLP) .....	1,638.42	168.74
22 47 13 00-0041 EA Surface Mounted, Stainless Steel, Filtered Non-Refrigerated, Bottle Filling Station Kit (Elkay LZWSSM) .....	1,353.00	120.53
22 47 13 00-0042 EA Wall Mounted, Non-Filtered Non-Refrigerated, Retrofit Bottle Filling Station Kit (Elkay EMABFWS-RF) .....	1,017.00	120.53
<b>22 47 13 00-0043 Semi-Recessed Indoor Drinking Fountain (22 47 13 00-0001)</b>		
22 47 13 00-0044 EA Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801) .....	1,595.56	180.79
22 47 13 00-0045 EA Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C) .....	3,432.21	180.79
<b>22 47 13 00-0046 Fully Recessed Indoor Drinking Fountain (22 47 13 00-0001)</b>		
22 47 13 00-0047 EA Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400) .....	1,706.67	192.84

**22 Plumbing****22 40 Plumbing Fixtures****22 47 Drinking Fountains and Water Coolers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0048 EA Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403).....	3,115.72	192.84
22 47 13 00-0049 EA Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubbler, Barrier Free (Haws 2401).....	2,072.72	192.84
22 47 13 00-0050 EA Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubbler, Barrier Free (Haws 2406).....	4,680.74	192.84
22 47 13 00-0051 EA Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubbler (Haws 2403).....	3,186.81	192.84
<b>22 47 13 00-0052 Countertop Indoor Drinking Fountain (22 47 13 00-0001)</b>		
22 47 13 00-0053 EA Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000) .....	706.84	120.53
22 47 13 00-0054 EA Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000) .....	680.32	120.53
22 47 13 00-0055 EA Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028) .....	825.68	120.53
<b>22 47 13 00-0056 Bowl And Bracket Indoor Drinking Fountain (22 47 13 00-0001)</b>		
22 47 13 00-0057 EA Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A).....	596.50	120.53
22 47 13 00-0058 EA Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540) .....	719.72	120.53
<b>22 47 13 00-0059 Multi-Station Indoor Drinking Fountain (22 47 13 00-0001)</b>		
22 47 13 00-0060 EA Two Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020) .....	3,237.74	192.84
22 47 13 00-0061 EA Three Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030).....	4,073.79	192.84
22 47 13 00-0062 EA Two Station, Marblyte, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120).....	3,088.02	192.84
22 47 13 00-0063 EA Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430) .....	2,603.24	192.84
22 47 13 00-0064 EA Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435).....	3,280.18	192.84
22 47 13 00-0065 EA Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1431) .....	2,701.28	192.84
22 47 13 00-0066 EA Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1501) .....	2,752.84	192.84
22 47 13 00-0067 EA White Enameled Iron, Dual Height, Drinking Fountain (Haws 1501 with 6715) .....	3,179.77	245.99
22 47 13 00-0068 EA Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4) .....	2,854.36	245.99
22 47 13 00-0069 EA Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441) .....	5,182.01	192.84
22 47 13 00-0070 EA Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408).....	5,089.60	192.84
<b>22 47 13 00-0071 Drinking Fountain Retro Kit (22 47 13 00-0001)</b>		
22 47 13 00-0072 EA Stainless Steel Drinking Fountain Retro Kit (Acorn 2990-082-001) .....	677.78	120.53
<b>22 47 13 00-0073 Outdoor Drinking Fountains (22 47 13)</b>		
<b>22 47 13 00-0074 Face Mounted Outdoor Drinking Fountains (22 47 13 00-0073)</b>		
22 47 13 00-0075 EA Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR).....	1,488.98	192.84
22 47 13 00-0076 EA Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR).....	1,633.06	192.84
22 47 13 00-0077 EA Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592) .....	1,570.50	192.84
22 47 13 00-0078 EA Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR).....	2,307.93	192.84
<b>22 47 13 00-0079 Free Standing Outdoor Drinking Fountains (22 47 13 00-0073)</b>		
22 47 13 00-0080 EA Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715) .....	2,835.47	180.79
22 47 13 00-0081 EA Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR) .....	3,985.22	180.79
22 47 13 00-0082 EA Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710) .....	2,831.65	180.79
22 47 13 00-0083 EA Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR) .....	3,911.78	180.79
22 47 13 00-0084 EA Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720) .....	4,216.91	192.84
22 47 13 00-0085 EA Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR) .....	4,293.69	192.84
22 47 13 00-0086 EA Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591) .....	1,591.89	180.79
22 47 13 00-0087 EA Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590) .....	2,752.06	180.79
22 47 13 00-0088 EA Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR) .....	3,901.81	180.79
22 47 13 00-0089 EA Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595) .....	4,593.21	192.84
22 47 13 00-0090 EA Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR) .....	6,449.11	192.84
<b>22 47 13 00-0091 Multi-Station Outdoor Drinking Fountains (22 47 13 00-0073)</b>		
22 47 13 00-0092 EA White Cast Aluminum Three Station Outdoor Drinking Fountains With Bubblers (Haws 1408).....	3,151.79	192.84
<b>22 47 16 Pressure Water Coolers (22 47)</b>		
22 47 16 00-0001 Indoor Water Coolers (22 47 16)		
22 47 16 00-0002 Face Mounted Indoor Water Coolers (22 47 16 00-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0003 EA Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q).....	3,252.94	192.84
22 47 16 00-0004 EA Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q) .....	3,473.79	192.84
<b>22 47 16 00-0005 Wall Mounted Indoor Water Coolers (22 47 16 00-0001)</b>		
22 47 16 00-0006 EA Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q) .....	1,542.06	192.84
22 47 16 00-0007 EA Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q) .....	1,598.94	192.84
22 47 16 00-0008 EA Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q) .....	1,777.13	192.84
22 47 16 00-0009 EA Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS).....	1,845.38	192.84
22 47 16 00-0010 EA Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA) .....	1,363.87	192.84
22 47 16 00-0011 EA Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS) .....	1,581.87	192.84
22 47 16 00-0012 EA Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS).....	1,241.59	192.84
22 47 16 00-0013 EA Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL) .....	1,874.12	192.84
22 47 16 00-0014 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS).....	2,083.71	289.26
<b>22 47 16 00-0015 Simulated Recessed Indoor Water Coolers (22 47 16 00-0001)</b>		
22 47 16 00-0016 EA Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q) .....	1,841.42	192.84
<b>22 47 16 00-0017 Fully Recessed Indoor Water Coolers (22 47 16 00-0001)</b>		
22 47 16 00-0018 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q) .....	3,587.38	216.95
22 47 16 00-0019 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762) .....	4,385.14	216.95
22 47 16 00-0020 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700).....	5,135.30	216.95
<b>22 47 16 00-0021 Free Standing Indoor Water Coolers (22 47 16 00-0001)</b>		
22 47 16 00-0022 EA Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q).....	1,487.22	168.74
22 47 16 00-0023 EA Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q).....	1,598.12	168.74
22 47 16 00-0024 EA Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q).....	1,815.18	168.74
22 47 16 00-0025 EA Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q) .....	2,020.86	168.74
<b>22 47 16 00-0026 Bottled Water Coolers (22 47 16 00-0001)</b>		
22 47 16 00-0027 EA Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water .....	512.56	96.42
22 47 16 00-0028 EA Free-Standing Bottled Water Cooler With Chilled Or Hot Water.....	614.42	96.42
<b>22 47 16 00-0029 Multi-Station Indoor Water Coolers (22 47 16 00-0001)</b>		
22 47 16 00-0030 EA Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q) .....	4,293.42	289.26
22 47 16 00-0031 EA Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q).....	4,932.02	289.26
22 47 16 00-0032 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS) .....	2,260.96	289.26
<b>22 47 16 00-0033 Outdoor Water Coolers (22 47 16)</b>		
<b>22 47 16 00-0034 Wall Mounted Outdoor Water Coolers (22 47 16 00-0033)</b>		
22 47 16 00-0035 EA Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS) .....	1,604.48	120.53
22 47 16 00-0036 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS) .....	2,766.14	120.53
<b>22 47 16 00-0037 Free Standing Outdoor Water Coolers (22 47 16 00-0033)</b>		
22 47 16 00-0038 EA Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q) .....	2,648.75	180.79
22 47 16 00-0039 EA Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q) .....	3,179.55	180.79
<b>22 47 16 00-0040 Removal And Reinstallation Of Fixtures And Trim (22 47 16)</b>		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0041 EA Removal And Reinstallation Of Wall Hung Water Cooler .....	469.08	
22 47 16 00-0042 EA Removal And Reinstallation Of Floor Mount Water Cooler.....	104.70	
<b>22 47 19 Water-Station Water Coolers (22 47)</b>		
22 47 19 00-0001 Bottle Filler (22 47 19)		

**22 Plumbing****22 40 Plumbing Fixtures****22 47 Drinking Fountains and Water Coolers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 19 00-0002	EA		Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF).....	3,597.63	192.84
			<i>For Stainless Steel Carrier, Add</i>	205.00	
22 47 19 00-0003	EA		Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BF2).....	4,863.01	192.84
			<i>For Stainless Steel Carrier, Add</i>	205.00	
22 47 19 00-0004	EA		Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1).....	6,245.97	216.95
			<i>For Stainless Steel Carrier, Add</i>	205.00	
22 47 19 00-0005	EA		Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2).....	6,750.92	216.95
			<i>For Stainless Steel Carrier, Add</i>	205.00	
22 47 19 00-0006	EA		Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3).....	7,255.87	216.95
			<i>For Stainless Steel Carrier, Add</i>	205.00	
<b>22 47 19 00-0007</b>			<b>Indoor Bottle Filling Station (22 47 19)</b>		
22 47 19 00-0008	EA		Indoor Bottle Filling Station With Chiller, Recessed Mount (Halsey Taylor HTHB-8).....	2,591.60	192.84
22 47 19 00-0009	EA		Indoor Bottle Filling Station Without Chiller, Recessed Mount (Halsey Taylor HTHB-LR).....	1,780.75	192.84
22 47 19 00-0010	EA		Indoor Bottle Filling Station, Surface Mount (Halsey Taylor HTHBSM-WF).....	1,434.35	192.84
22 47 19 00-0011	EA		Surface Mount, Battery Powered, Non-Filtered, Non-Refrigerated, Stainless Steel Botter Filling Station (Elkay EMASMB).....	1,392.63	192.84
<b>22 47 23</b>			<b>Remote Water Coolers (22 47)</b>		
<b>22 47 23 00-0001</b>			<b>Remote Chillers (22 47 23)</b>		
22 47 23 00-0002	EA		1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q).....	924.46	65.09
22 47 23 00-0003	EA		5 GPH Remote Chiller (Halsey-Taylor SJ5-Q).....	1,407.17	72.32
22 47 23 00-0004	EA		8 GPH Remote Chiller (Halsey-Taylor SJ8-Q).....	1,207.59	84.37
22 47 23 00-0005	EA		10 GPH Remote Chiller (Halsey-Taylor SJ10-Q).....	1,554.91	96.42
22 47 23 00-0006	EA		19 GPH Remote Chiller (Halsey-Taylor SJ19-Q).....	2,436.16	144.63
22 47 23 00-0007	EA		30 GPH Remote Chiller (Halsey-Taylor SJ30-Q).....	2,641.30	156.69
<b>22 47 26</b>			<b>Fixture Carriers (22 47)</b>		
<b>22 47 26 00-0001</b>			<b>Water Cooler Carriers (22 47 26)</b>		
<b>22 47 26 00-0002</b>			<b>Floor Mounted, Water Cooler Carriers (22 47 26 00-0001)</b>		
			Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003	EA		Floor Mounted Hanger Plate Type, Single Water Cooler Carrier.....	553.38	36.64
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	28.35	
			<i>For Bi-Level Carrier, Add</i>	314.42	
22 47 26 00-0004	EA		Floor Mounted Bearing Plate Type, Single Water Cooler Carrier.....	604.69	36.64
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	28.35	
			<i>For Bi-Level Carrier, Add</i>	314.42	
<b>22 50</b>			<b>Pool and Fountain Plumbing Systems (22)</b>		
<b>22 51</b>			<b>Swimming Pool Plumbing Systems (22 50)</b>		
<b>22 51 13</b>			<b>Swimming Pool Piping (22 51)</b>		
<b>22 51 13 00-0001</b>			<b>Swimming Pool Gutters (22 51 13)</b>		
22 51 13 00-0002	LF		Swimming Pool Gutters, Stainless.....	387.86	21.70
<b>22 51 13 00-0003</b>			<b>Pool Drains (22 51 13)</b>		
<b>22 51 13 00-0004</b>			<b>Cast Iron Pool Drain With Bottom Outlet (22 51 13 00-0003)</b>		
			Note: Large square top and 24" loose set round super-flo grate.		
22 51 13 00-0005	EA		Cast Iron Pool Drain, 4" - 8" Bottom Outlet, Large Square Top And 24" Super-Flo Grate.....	3,027.38	60.74
			<i>For Polished Bronze Top, Add</i>	769.60	
			<i>For Chromium Plated Top, Add</i>	805.00	
			<i>For Galvanized Top, Add</i>	276.40	
			<i>For Vandal Proof Construction, Add</i>	57.20	
<b>22 51 13 00-0006</b>			<b>Cast Iron Pool Drain With Waterproof Flange (22 51 13 00-0003)</b>		
			Note: Bottom outlet 14" square top and loose set square flange.		
22 51 13 00-0007	EA		Cast Iron Pool Drain, 2" - 4" Bottom Outlet With Waterproof Flange And 14" Square Top.....	819.52	60.74
			<i>For Clamp Device, Add</i>	13.80	
			<i>For Galvanized Top, Add</i>	38.10	
			<i>For Polished Bronze Top, Add</i>	133.50	
			<i>For Chromium Plated Top, Add</i>	146.90	
			<i>For Hinge Grate, Add</i>	28.60	
			<i>For Supplementary Strainer, Add</i>	7.00	
			<i>For Threaded Outlet, Add</i>	9.50	
			<i>For Vandal Proof Construction, Add</i>	17.10	
			<i>For Ground Screw, Add</i>	18.30	
<b>22 51 13 00-0008</b>			<b>Pool Supply Fittings (22 51 13)</b>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 51 13 00-0009</b> <b>Cast Iron Pool Supply Fittings</b> <small>(22 51 13 00-0009)</small>		
<small>Note: Includes polished bronze head and anchor flange and adjustable V-ported valve insert and threaded inlet.</small>		
22 51 13 00-0010    EA    Cast Iron Pool Fitting For 2" Pipe.....	1,072.71	108.48
<small>For Galvanized Head, Add</small>		
<small>For Vandal Proof Construction, Add</small>		
<small>For Grounding Screw, Add</small>		
22 51 13 00-0011    EA    Cast Iron Pool Fitting For 3" Pipe.....	1,072.71	108.48
<small>For Chromium Plated Head, Add</small>		
<small>For Galvanized Head, Add</small>		
<small>For Vandal Proof Construction, Add</small>		
<small>For Grounding Screw, Add</small>		
<b>22 51 16</b> <b>Swimming Pool Pumps</b> <small>(22 51)</small>		
<b>22 51 16 00-0001</b> <b>Variable Speed Pool Pumps</b> <small>(22 51 16)</small>		
22 51 16 00-0002    EA    3 HP, Variable Speed Pool Pump With Vacuum Release (Pentair INTELLIFLO VS+SVRS 11017) .....	2,739.05	409.79
22 51 16 00-0003    EA    Variable Speed Pool Pump (Hayward EcoStar SVRS SP3400VSP) .....	3,011.45	409.79
22 51 16 00-0004    EA    Variable Speed Pool Pump With Vacuum Release (Hayward EcoStar SVRS SP3400VSPVR).....	3,377.06	409.79
<b>22 51 16 00-0005</b> <b>Electric Powered Portable Vacuum Cleaner Pump</b> <small>(22 51 16)</small>		
<small>Note: Includes 75' of 3 wire electric safety cord.</small>		
22 51 16 00-0006    EA    1 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord.....	349.32	48.21
22 51 16 00-0007    EA    1-1/2 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord.....	622.16	48.21
<b>22 51 16 00-0008</b> <b>Gasoline Driven Portable Vacuum Cleaner Pump</b> <small>(22 51 16)</small>		
22 51 16 00-0009    EA    3 HP Gasoline Driven Portable Vacuum Cleaner Pump .....	2,436.02	48.21
<b>22 51 19</b> <b>Swimming Pool Water Treatment Equipment</b> <small>(22 51)</small>		
<b>22 51 19 00-0001</b> <b>Condensing Pool Water Heater</b> <small>(22 51 19)</small>		
22 51 19 00-0002    EA    372 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN400).....	38,641.84	691.00
22 51 19 00-0003    EA    467 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN501).....	42,072.39	829.20
22 51 19 00-0004    EA    567 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN601).....	46,140.56	898.31
22 51 19 00-0005    EA    660 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN701).....	56,727.35	967.40
22 51 19 00-0006    EA    773 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN801).....	58,830.33	1,036.50
22 51 19 00-0007    EA    967 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1015).....	89,285.17	1,243.80
22 51 19 00-0008    EA    1,257 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1320).....	114,507.26	1,312.90
22 51 19 00-0009    EA    1,450 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1520).....	119,108.21	1,416.56
<b>22 51 19 00-0010</b> <b>Non Condensing Pool Water Heater</b> <small>(22 51 19)</small>		
22 51 19 00-0011    EA    500 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0502).....	20,632.75	898.31
22 51 19 00-0012    EA    650 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0652).....	21,986.22	967.40
22 51 19 00-0013    EA    750 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0752).....	23,958.18	1,036.50
22 51 19 00-0014    EA    990 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0992).....	31,702.17	1,243.80
22 51 19 00-0015    EA    1,260 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1262).....	36,778.83	1,312.90
22 51 19 00-0016    EA    1,440 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1442).....	39,257.68	1,416.56
22 51 19 00-0017    EA    1,800 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1802).....	38,869.89	1,485.66
22 51 19 00-0018    EA    2,070 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN2072).....	50,514.35	1,520.20
<b>22 51 19 00-0019</b> <b>Swimming Pool Heaters</b> <small>(22 51 19)</small>		
<small>Note: Excludes wiring, external piping, base or pad. Commercial pools.</small>		
<b>22 51 19 00-0020</b> <b>Electric Pool Heaters</b> <small>(22 51 19 00-0019)</small>		
22 51 19 00-0021    EA    12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool.....	4,107.18	192.84
22 51 19 00-0022    EA    18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool.....	4,592.88	207.31
22 51 19 00-0023    EA    24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool.....	5,099.22	241.05
22 51 19 00-0024    EA    30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool.....	5,387.60	289.26
22 51 19 00-0025    EA    36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool.....	5,900.97	404.97
22 51 19 00-0026    EA    60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool.....	6,729.18	578.53
<b>22 51 19 00-0027</b> <b>Gas Fired Pool Heaters</b> <small>(22 51 19 00-0019)</small>		
22 51 19 00-0028    EA    120 MBH Output Gas Fired Pool Heater .....	5,308.81	917.27
22 51 19 00-0029    EA    180 MBH Output Gas Fired Pool Heater .....	6,029.71	1,048.31
22 51 19 00-0030    EA    240 MBH Output Gas Fired Pool Heater .....	6,813.62	1,179.34
22 51 19 00-0031    EA    300 MBH Output Gas Fired Pool Heater .....	7,835.41	1,441.42
22 51 19 00-0032    EA    360 MBH Output Gas Fired Pool Heater .....	8,069.06	1,521.74
22 51 19 00-0033    EA    400 MBH Output Gas Fired Pool Heater .....	9,498.98	1,878.14

**22 Plumbing****22 50 Pool and Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0034	EA		500 MBH Output Gas Fired Pool Heater.....	14,977.72	2,167.08
22 51 19 00-0035	EA		600 MBH Output Gas Fired Pool Heater.....	17,373.41	2,383.79
22 51 19 00-0036	EA		750 MBH Output Gas Fired Pool Heater.....	19,595.30	2,600.50
22 51 19 00-0037	EA		1,000 MBH Output Gas Fired Pool Heater.....	25,136.75	3,070.04
<b>22 51 19 00-0038</b>			<b>Surge Tanks</b> <small>(22 51 19)</small>		
			Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0039	EA		1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	18,886.99	749.38
22 51 19 00-0040	EA		1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	21,218.04	749.38
22 51 19 00-0041	EA		2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	25,603.09	965.05
22 51 19 00-0042	EA		5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	33,762.42	1,557.50
<b>22 51 19 00-0043</b>			<b>Diatomite Type Filter System</b> <small>(22 51 19)</small>		
22 51 19 00-0044	EA		35,000 Gallon Filter System, Diatomite.....	13,541.47	2,750.07
22 51 19 00-0045	EA		45,000 Gallon Filter System, Diatomite.....	16,140.57	3,300.08
<b>22 51 19 00-0046</b>			<b>Silver Recovery System, X-Ray Film Processing</b> <small>(22 51 19)</small>		
22 51 19 00-0047	EA		20 Gallon/Day Capacity, Silver Recovery System.....	1,879.91	327.18
22 51 19 00-0048	EA		40 Gallon/Day Capacity, Silver Recovery System.....	2,766.51	436.27
<b>22 51 19 00-0049</b>			<b>Inline Water Filter</b> <small>(22 51 19)</small>		
			Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0050	EA		2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body.....	243.56	96.42
22 51 19 00-0051	EA		6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body.....	451.19	144.63
<b>22 51 19 00-0052</b>			<b>Horizontal High Rate Sand Filters</b> <small>(22 51 19)</small>		
			Note: Includes sand, filter system equipment and attached accessory gauges.		
22 51 19 00-0053	EA		135-270 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	39,016.34	2,070.57
			Note: 1 tank, 4" pipe size, Miami Tanks model # HH3614-A.		
22 51 19 00-0054	EA		135-270 GPM Horizontal Hi-Rate Sand Filter, Manual Controls.....	23,709.04	2,070.57
			Note: 1 tank, 4" pipe size, Miami tanks model # HH3614-M.		
22 51 19 00-0055	EA		270-405 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	53,831.24	4,141.15
			Note: 2 tank, 4" pipe size, Miami tanks model # HH3624-A.		
22 51 19 00-0056	EA		270-405 GPM Horizontal Hi-Rate Sand Filter, Manual Controls.....	42,480.48	4,141.15
			Note: 2 tank, 4" pipe size, Miami tanks model # HH3624-M.		
22 51 19 00-0057	EA		270-540 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	55,351.43	4,141.15
			Note: 2 tank, 6" pipe size, Miami tanks model # HH3626-A.		
22 51 19 00-0058	EA		270-540 GPM Horizontal Hi-Rate Sand Filter, Manual Controls.....	44,227.69	4,141.15
			Note: 2 tank, 6" pipe size, Miami tanks model # HH3626-M.		
22 51 19 00-0059	EA		405-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	75,569.93	6,211.72
			Note: 3 tank, 6" pipe size, Miami tanks model # HH3636-A.		
22 51 19 00-0060	EA		405-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls.....	58,685.68	6,211.72
			Note: 3 tank, 6" pipe size, Miami tanks model # HH3636-M.		
22 51 19 00-0061	EA		405-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	77,759.00	6,211.72
			Note: 3 tank, 8" pipe size, Miami tanks model # HH3638-A.		
22 51 19 00-0062	EA		405-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls.....	65,018.36	6,211.72
			Note: 3 tank, 8" pipe size, Miami tanks model # HH3638-M.		
22 51 19 00-0063	EA		540-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	97,515.23	8,282.29
			Note: 4 tank, 6" pipe size, Miami tanks model # HH3646-A.		
22 51 19 00-0064	EA		540-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls.....	83,209.23	8,282.29
			Note: 4 tank, 6" pipe size, Miami tanks model # HH3646-M.		
22 51 19 00-0065	EA		675 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	118,533.00	10,352.87
			Note: 5 tank, 6" pipe size, Miami tanks model # HH3656-A.		
22 51 19 00-0066	EA		675 GPM Horizontal Hi-Rate Sand Filter, Manual Controls.....	100,108.29	10,352.87
			Note: 5 tank, 6" pipe size, Miami tanks model # HH3656-M.		
22 51 19 00-0067	EA		675-1350 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	121,893.63	10,352.87
			Note: 5 tank, 8" pipe size, Miami tanks model # HH3658-A.		
22 51 19 00-0068	EA		675-1350 GPM Horizontal Hi-Rate Sand Filter, Manual Controls.....	103,782.23	10,352.87
			Note: 5 tank, 8" pipe size, Miami tanks model # HH3658-M.		
22 51 19 00-0069	EA		810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	140,730.67	12,423.44
			Note: 6 tank, 6" pipe size, Miami tanks model # HH3666-A.		
22 51 19 00-0070	EA		810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls.....	120,234.46	12,423.44
			Note: 6 tank, 6" pipe size, Miami tanks model # HH3666-M.		
22 51 19 00-0071	EA		810-1620 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	143,665.65	12,423.44
			Note: 6 tank, 8" pipe size, Miami tanks model # HH3668-A.		
22 51 19 00-0072	EA		810-1620 GPM Horizontal Hi-Rate Sand Filter, Manual Controls.....	122,624.25	12,423.44
			Note: 6 tank, 8" pipe size, Miami tanks model # HH3668-M.		
22 51 19 00-0073	EA		810-1620 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	147,593.82	12,423.44
			Note: 6 tank, 10" pipe size, Miami tanks model # HH36610-A.		
22 51 19 00-0074	EA		810-1620 GPM Horizontal Hi-Rate Sand Filter, Manual Controls.....	117,567.03	12,423.44
			Note: 6 tank, 10" pipe size, Miami tanks model # HH36610-M.		
22 51 19 00-0075	EA		945-1418 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	165,880.81	14,494.01
			Note: 7 tank, 8" pipe size, Miami tanks model # HH3678-A.		
22 51 19 00-0076	EA		945-1418 GPM Horizontal Hi-Rate Sand Filter, Manual Controls.....	145,383.14	14,494.01
			Note: 7 tank, 8" pipe size, Miami tanks model # HH3678-M.		
22 51 19 00-0077	EA		945-1890 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	170,820.99	14,494.01
			Note: 7 tank, 10" pipe size, Miami tanks model # HH36710-A.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0078 EA 945-1890 GPM Horizontal Hi-Rate Sand Filter, Manual Controls.....	149,769.40	14,494.01
Note: 7 tank, 10" pipe size, Miami tanks model # HH36710-M.		
22 51 19 00-0079 EA 1080-2160 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	190,048.30	16,564.59
Note: 8 tank, 10" pipe size, Miami tanks model # HH36810-A.		
22 51 19 00-0080 EA 1080-2160 GPM Horizontal Hi-Rate Sand Filter, Manual Controls.....	169,223.73	16,564.59
Note: 8 tank, 10" pipe size, Miami tanks model # HH36810-M.		
<b>22 51 19 00-0081 Swimming Pool Chlorinators (22 51 19)</b>		
22 51 19 00-0082 EA Swimming Pool Chlorinator, 50-100 PPD, Direct Cylinder Mounted Gas Chlorinator.....	1,071.75	137.89
<b>22 51 19 00-0083 Ultra-Violet Pool Treatment Lights (22 51 19)</b>		
<b>22 51 19 00-0084 Stainless Steel Ultra-Violet Pool Treatment Lights (22 51 19 00-0083)</b>		
Note: Delta ELP Amalgam Series		
22 51 19 00-0085 EA 3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	15,057.75	300.62
22 51 19 00-0086 EA 3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	15,924.13	300.62
22 51 19 00-0087 EA 3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	16,666.76	300.62
22 51 19 00-0088 EA 4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	17,191.86	318.38
22 51 19 00-0089 EA 4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	17,559.88	318.38
22 51 19 00-0090 EA 4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	20,901.62	318.38
22 51 19 00-0091 EA 6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	24,626.87	571.70
22 51 19 00-0092 EA 6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	36,584.12	571.70
22 51 19 00-0093 EA 6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	40,176.44	571.70
22 51 19 00-0094 EA 8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	43,066.87	685.86
22 51 19 00-0095 EA 8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	46,266.71	685.86
22 51 19 00-0096 EA 8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	48,500.60	685.86
22 51 19 00-0097 EA 8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	50,915.59	685.86
22 51 19 00-0098 EA 10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	54,679.14	779.60
22 51 19 00-0099 EA 10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	58,905.39	779.60
22 51 19 00-0100 EA 10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	63,131.63	779.60
22 51 19 00-0101 EA 10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	68,263.49	779.60
<b>22 51 19 00-0102 HDPE Ultra-Violet Pool Treatment Lights (22 51 19 00-0083)</b>		
Note: Delta EL Series		
22 51 19 00-0103 EA 3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing.....	7,465.64	300.62
22 51 19 00-0104 EA 3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing.....	8,310.86	300.62
22 51 19 00-0105 EA 4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing.....	9,182.89	318.38
<b>22 51 19 00-0106 In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights (22 51 19 00-0083)</b>		
Note: Delta EM Series		
22 51 19 00-0107 EA 3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	29,200.57	300.62
22 51 19 00-0108 EA 3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	29,502.42	300.62
22 51 19 00-0109 EA 6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	31,434.17	571.70
22 51 19 00-0110 EA 6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	39,850.40	571.70
22 51 19 00-0111 EA 8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	55,624.83	685.86
22 51 19 00-0112 EA 10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	62,769.39	779.60
22 51 19 00-0113 EA 12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	73,984.89	1,008.84
22 51 19 00-0114 EA 12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	83,041.10	1,008.84
<b>22 51 23 Swimming Pool Equipment Controls (22 51)</b>		
<b>22 51 23 00-0001 Pool Pump Variable Frequency Drive (22 51 23)</b>		
Note: Pentair Acu Drive XS		
22 51 23 00-0002 EA 3 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01).....	4,727.85	184.77
22 51 23 00-0003 EA 5 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01).....	5,071.03	207.88
22 51 23 00-0004 EA 7-1/2 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01).....	6,067.63	259.85
22 51 23 00-0005 EA 10 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01).....	6,433.69	310.08
22 51 23 00-0006 EA 15 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01).....	6,869.77	360.90
22 51 23 00-0007 EA 20 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01).....	7,784.16	412.29
22 51 23 00-0008 EA 3 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01).....	4,733.94	184.77
22 51 23 00-0009 EA 5 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01).....	4,983.69	207.88
22 51 23 00-0010 EA 7-1/2 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01).....	5,352.65	259.85
22 51 23 00-0011 EA 10 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01).....	5,739.02	310.08
22 51 23 00-0012 EA 15 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01).....	6,770.24	360.90
22 51 23 00-0013 EA 20 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01).....	7,514.01	412.29

**22 Plumbing****22 50 Pool and Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0014	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01FB) .....	4,856.62	184.77
22 51 23 00-0015	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01FB) .....	5,584.55	207.88
22 51 23 00-0016	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01FB) .....	6,205.29	259.85
22 51 23 00-0017	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01FB) .....	6,688.40	310.08
22 51 23 00-0018	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01FB) .....	7,874.60	360.90
22 51 23 00-0019	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01FB) .....	8,877.91	412.29
22 51 23 00-0020	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01FB) .....	5,216.40	184.77
22 51 23 00-0021	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01FB) .....	5,423.21	207.88
22 51 23 00-0022	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01FB) .....	5,725.06	259.85
22 51 23 00-0023	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01FB) .....	6,046.52	310.08
22 51 23 00-0024	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01FB) .....	6,899.88	360.90
22 51 23 00-0025	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01FB) .....	7,548.18	412.29
22 51 23 00-0026	EA	1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12) .....	3,574.19	184.77
22 51 23 00-0027	EA	3/4 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12) .....	3,633.94	184.77
22 51 23 00-0028	EA	1 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12) .....	3,670.85	184.77
22 51 23 00-0029	EA	1-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12) .....	3,770.30	184.77
22 51 23 00-0030	EA	2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12) .....	3,920.53	184.77
22 51 23 00-0031	EA	3 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12) .....	4,037.07	184.77
22 51 23 00-0032	EA	5 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12) .....	4,321.23	207.88
22 51 23 00-0033	EA	7-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12) .....	5,151.14	259.85
22 51 23 00-0034	EA	10 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12) .....	5,507.60	310.08
22 51 23 00-0035	EA	15 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12) .....	5,877.64	360.90
22 51 23 00-0036	EA	20 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12) .....	6,677.93	412.29
22 51 23 00-0037	EA	25 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12) .....	8,773.39	513.92
22 51 23 00-0038	EA	30 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12) .....	9,685.03	565.89
22 51 23 00-0039	EA	40 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12) .....	11,459.78	617.85
22 51 23 00-0040	EA	50 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12) .....	13,333.42	721.80
22 51 23 00-0041	EA	60 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12) .....	14,607.40	773.77
22 51 23 00-0042	EA	1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12) .....	3,648.64	184.77
22 51 23 00-0043	EA	3/4 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12) .....	3,725.81	184.77
22 51 23 00-0044	EA	1 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12) .....	3,822.90	184.77
22 51 23 00-0045	EA	1-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12) .....	3,906.36	184.77
22 51 23 00-0046	EA	2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12) .....	3,991.41	184.77
22 51 23 00-0047	EA	3 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12) .....	4,081.16	184.77
22 51 23 00-0048	EA	5 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12) .....	4,291.31	207.88
22 51 23 00-0049	EA	7-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12) .....	4,601.54	259.85
22 51 23 00-0050	EA	10 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12) .....	4,929.35	310.08
22 51 23 00-0051	EA	15 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12) .....	5,991.97	360.90
22 51 23 00-0052	EA	20 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12) .....	6,605.17	412.29
22 51 23 00-0053	EA	25 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12) .....	7,275.14	513.92
22 51 23 00-0054	EA	30 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12) .....	8,230.11	565.89
22 51 23 00-0055	EA	40 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12) .....	9,293.48	617.85



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0056 EA 50 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12).....	11,392.06	721.80
22 51 23 00-0057 EA 60 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12).....	12,517.44	773.77
22 51 23 00-0058 EA 75 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12).....	14,040.18	825.73
22 51 23 00-0059 EA 100 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12).....	16,643.93	874.82
22 51 23 00-0060 EA 125 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12).....	19,202.07	923.89
22 51 23 00-0061 EA 150 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12).....	20,824.50	1,033.60
22 51 23 00-0062 EA 200 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12).....	24,317.39	1,131.77
22 51 23 00-0063 EA 1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12FB).....	5,167.10	184.77
22 51 23 00-0064 EA 3/4 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12FB).....	5,226.86	184.77
22 51 23 00-0065 EA 1 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12FB).....	5,263.77	184.77
22 51 23 00-0066 EA 1-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12FB).....	5,363.22	184.77
22 51 23 00-0067 EA 2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12FB).....	5,513.45	184.77
22 51 23 00-0068 EA 3 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12FB).....	5,629.99	184.77
22 51 23 00-0069 EA 5 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12FB).....	5,914.15	207.88
22 51 23 00-0070 EA 7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12FB).....	6,563.73	259.85
22 51 23 00-0071 EA 10 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12FB).....	7,104.37	310.08
22 51 23 00-0072 EA 15 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12FB).....	8,322.49	360.90
22 51 23 00-0073 EA 20 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12FB).....	9,405.02	412.29
22 51 23 00-0074 EA 25 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12FB).....	11,068.55	513.92
22 51 23 00-0075 EA 30 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12FB).....	12,185.72	565.89
22 51 23 00-0076 EA 40 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12FB).....	15,576.94	617.85
22 51 23 00-0077 EA 50 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12FB).....	20,547.92	721.80
22 51 23 00-0078 EA 60 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12FB).....	22,584.51	773.77
22 51 23 00-0079 EA 1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12FB).....	5,144.50	184.77
22 51 23 00-0080 EA 3/4 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12FB).....	5,221.66	184.77
22 51 23 00-0081 EA 1 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12FB).....	5,318.76	184.77
22 51 23 00-0082 EA 1-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12FB).....	5,402.22	184.77
22 51 23 00-0083 EA 2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12FB).....	5,487.25	184.77
22 51 23 00-0084 EA 3 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12FB).....	5,577.02	184.77
22 51 23 00-0085 EA 5 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12FB).....	5,787.17	207.88
22 51 23 00-0086 EA 7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12FB).....	6,095.79	259.85
22 51 23 00-0087 EA 10 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12FB).....	6,423.60	310.08
22 51 23 00-0088 EA 15 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12FB).....	7,518.66	360.90
22 51 23 00-0089 EA 20 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12FB).....	8,182.06	412.29
22 51 23 00-0090 EA 25 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12FB).....	8,958.92	513.92
22 51 23 00-0091 EA 30 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12FB).....	10,098.26	565.89
22 51 23 00-0092 EA 40 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12FB).....	11,963.24	617.85
22 51 23 00-0093 EA 50 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12FB).....	13,764.77	721.80
22 51 23 00-0094 EA 60 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12FB).....	15,327.42	773.77
22 51 23 00-0095 EA 75 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12FB).....	17,805.62	825.73
22 51 23 00-0096 EA 100 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12FB).....	23,502.16	874.82
22 51 23 00-0097 EA 125 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12FB).....	26,003.73	923.89

**22 Plumbing****22 50 Pool and Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0098	EA		150 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12FB) .....	32,681.80	1,033.60
22 51 23 00-0099	EA		200 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12FB) .....	38,409.57	1,131.77
22 51 23 00-0100	EA		380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 3 Year Extended Warranty (Pentair AD-EWW136) .....	353.88	
22 51 23 00-0101	EA		380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 3 Year Extended Warranty (Pentair AD-EWW236) .....	564.70	
22 51 23 00-0102	EA		380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 6 Year Extended Warranty (Pentair AD-EWW172) .....	624.93	
22 51 23 00-0103	EA		380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 6 Year Extended Warranty (Pentair AD-EWW272) .....	1,061.63	
22 51 23 00-0104	EA		380+ Volt AC, 50 To 125 HP, 260 Volt AC, 30 To 60 HP, 6 Year Extended Warranty (Pentair AD-EWW372) .....	2,025.38	
22 51 23 00-0105	EA		3" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4203KIT) .....	1,270.10	
22 51 23 00-0106	EA		4" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4204KIT) .....	1,328.06	
22 51 23 00-0107	EA		6" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4206KIT) .....	1,449.47	
22 51 23 00-0108	EA		8" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4208KIT) .....	1,554.84	
22 51 23 00-0109	EA		3" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-03KIT) .....	1,816.29	
22 51 23 00-0110	EA		4" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-04KIT) .....	1,870.74	
22 51 23 00-0111	EA		6" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-06KIT) .....	1,986.59	
22 51 23 00-0112	EA		8" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-08KIT) .....	2,088.69	
22 51 23 00-0113	EA		10" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-10KIT) .....	2,496.32	
22 51 23 00-0114	EA		12" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-12KIT) .....	2,506.79	
22 51 23 00-0115			<b>Eco-Flow-E Aquatic Variable Frequency Drive And Options</b> <small>(22 51 23)</small>		
22 51 23 00-0116			<b>Eco-Flow-E Aquatic Variable Frequency Drive</b> <small>(22 51 23 00-0115)</small>		
22 51 23 00-0117	EA		2 HP, 480 Volt, 3 Phase, 4 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-04-12-4) .....	3,739.88	153.99
			<i>For Bypass Panel, Add</i> .....	821.34	
22 51 23 00-0118	EA		3 HP, 480 Volt, 3 Phase, 6 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-06-12-4) .....	3,743.53	153.99
			<i>For Bypass Panel, Add</i> .....	821.34	
22 51 23 00-0119	EA		5 HP, 480 Volt, 3 Phase, 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-4) .....	3,801.53	173.23
			<i>For Bypass Panel, Add</i> .....	821.34	
22 51 23 00-0120	EA		7-1/2 HP, 480 Volt, 3 Phase, 12 Amperes, Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-4) .....	3,928.37	216.54
			<i>For Bypass Panel, Add</i> .....	821.34	
22 51 23 00-0121	EA		10 HP, 480 Volt, 3 Phase, 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-4) .....	4,237.55	258.40
			<i>For Bypass Panel, Add</i> .....	821.34	
22 51 23 00-0122	EA		15 HP, 480 Volt, 3 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-4) .....	4,709.80	300.75
			<i>For Bypass Panel, Add</i> .....	972.15	
22 51 23 00-0123	EA		20 HP, 480 Volt, 3 Phase, 30 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-30-12-4) .....	5,555.94	343.57
			<i>For Bypass Panel, Add</i> .....	972.15	
22 51 23 00-0124	EA		25 HP, 480 Volt, 3 Phase, 39 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-39-12-4) .....	5,749.88	430.19
			<i>For Bypass Panel, Add</i> .....	972.15	
22 51 23 00-0125	EA		30 HP, 480 Volt, 3 Phase, 45 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-45-12-4) .....	6,897.04	473.01
			<i>For Bypass Panel, Add</i> .....	972.15	
22 51 23 00-0126	EA		40 HP, 480 Volt, 3 Phase, 61 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-61-12-4) .....	7,099.95	515.36
			<i>For Bypass Panel, Add</i> .....	1,188.75	
22 51 23 00-0127	EA		1/2 HP, 208/230 Volt, 1 Phase (1 HP, 208/230 Volt, 3 Phase) 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-2) .....	3,719.16	153.99
			<i>For Bypass Panel, Add</i> .....	821.34	
22 51 23 00-0128	EA		1 HP, 208/230 Volt, 1 Phase (2 HP, 208/230 Volt, 3 Phase) 12 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-2) .....	3,724.03	153.99
			<i>For Bypass Panel, Add</i> .....	821.34	
22 51 23 00-0129	EA		1-1/2 HP, 208/230 Volt, 1 Phase (3 HP, 208/230 Volt, 3 Phase) 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-2) .....	3,747.19	153.99
			<i>For Bypass Panel, Add</i> .....	821.34	
22 51 23 00-0130	EA		5 HP, 208/230 Volt, 1 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-2) .....	3,821.03	173.23
			<i>For Bypass Panel, Add</i> .....	972.15	
22 51 23 00-0131	EA		3 HP, 208/230 Volt, 1 Phase (7-1/2 HP, 208/230 Volt, 3 Phase) 32 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-32-12-2) .....	4,137.99	216.54
			<i>For Bypass Panel, Add</i> .....	972.15	
22 51 23 00-0132	EA		5 HP, 208/230 Volt, 1 Phase (10 HP, 208/230 Volt, 3 Phase) 46 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-46-12-2) .....	4,605.61	258.40
			<i>For Bypass Panel, Add</i> .....	972.15	
22 51 23 00-0133	EA		7-1/2 HP, 208/230 Volt, 1 Phase (15 HP, 208/230 Volt, 3 Phase) 60 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-60-12-2) .....	5,459.31	300.75
			<i>For Bypass Panel, Add</i> .....	1,188.75	
22 51 23 00-0134	EA		10 HP, 208/230 Volt, 1 Phase (20 HP, 208/230 Volt, 3 Phase) 74 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-74-12-2) .....	5,568.12	343.57
			<i>For Bypass Panel, Add</i> .....	1,188.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0135 EA 25 HP, 208/230 Volt, 1 Phase, 88 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-88-12-2) .....	6,794.33	430.19
<i>For Bypass Panel, Add</i>	1,629.63	
22 51 23 00-0136 EA 15 HP, 208/230 Volt, 1 Phase (30 HP, 208/230 Volt, 3 Phase) 124 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-124-12-2) .....	6,999.41	473.01
<i>For Bypass Panel, Add</i>	2,263.05	
<b>22 51 23 00-0137 Eco-Flow-E Aquatic Variable Frequency Drive Options <small>(22 51 23 00-0115)</small></b>		
22 51 23 00-0138 EA 0 To 30 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-30) .....	492.01	72.18
22 51 23 00-0139 EA 0 To 100 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-100) .....	492.01	72.18
22 51 23 00-0140 EA Lightning Arrestor (H2Flow LA).....	532.54	48.12
22 51 23 00-0141 EA 2 HP, 480 Volt, (3/4 HP, 208/230 Volt) Load Reactor (TCI V1K4A00).....	613.67	21.65
22 51 23 00-0142 EA 3 HP, 480 Volt, (1 To 1-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K6A00) .....	633.11	24.06
22 51 23 00-0143 EA 5 HP, 480 Volt, (2 HP, 208/230 Volt) Load Reactor (TCI V1K8A00).....	647.68	26.47
22 51 23 00-0144 EA 7-1/2 HP, 480 Volt, (3 HP, 208/230 Volt) Load Reactor (TCI V1K12A00) .....	675.63	28.87
22 51 23 00-0145 EA 10 HP, 480 Volt, (5 HP, 208/230 Volt) Load Reactor (TCI V1K16A00).....	687.75	31.28
22 51 23 00-0146 EA 15 HP, 480 Volt, (7-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K25A00) .....	900.97	33.68
22 51 23 00-0147 EA 20 HP, 480 Volt, Load Reactor (TCI V1K27A00) .....	938.69	36.08
22 51 23 00-0148 EA 25 HP, 480 Volt, (10 HP, 208/230 Volt) Load Reactor (TCI V1K35A00).....	980.06	38.50
22 51 23 00-0149 EA 30 HP, 480 Volt, (15 HP, 208/230 Volt) Load Reactor (TCI V1K45A00).....	1,020.22	40.90
22 51 23 00-0150 EA 40 HP, 480 Volt, (20 HP, 208/230 Volt) Load Reactor (TCI V1K55A00).....	1,055.50	43.31
22 51 23 00-0151 EA 25 To 30 HP, 208/230 Volt, Load Reactor (TCI V1K80A00).....	1,457.61	45.71
22 51 23 00-0152 EA 1 HP, 208/230 Volt, Line Reactor (TCI KDRA25L) .....	178.52	24.06
22 51 23 00-0153 EA 2 HP, 208/230 Volt, Line Reactor (TCI KDRA27L) .....	190.66	26.47
22 51 23 00-0154 EA 3 HP, 208/230 Volt, Line Reactor (TCI KDRA28L) .....	213.74	28.87
22 51 23 00-0155 EA 5 HP, 208/230 Volt, Line Reactor (TCI KDRB22L) .....	284.36	31.28
22 51 23 00-0156 EA 7-1/2 HP, 208/230 Volt, Line Reactor (TCI KDRB23L) .....	319.65	33.68
22 51 23 00-0157 EA 10 HP, 208/230 Volt, Line Reactor (TCI KDRD25L) .....	330.55	36.08
22 51 23 00-0158 EA 15 HP, 208/230 Volt, Line Reactor (TCI KDRD24L) .....	341.45	38.50
22 51 23 00-0159 EA 20 HP, 208/230 Volt, Line Reactor (TCI KDRD26L) .....	362.12	40.90
22 51 23 00-0160 EA 25 HP, 208/230 Volt, Line Reactor (TCI KDRC22L) .....	461.99	43.31
22 51 23 00-0161 EA 30 HP, 208/230 Volt, Line Reactor (TCI KDRF24L).....	474.10	45.71
22 51 23 00-0162 EA 1 HP, 480 Volt, Line Reactor (TCI KDRA8L) .....	179.74	24.06
22 51 23 00-0163 EA 2 HP, 480 Volt, Line Reactor (TCI KDRA1L) .....	197.97	26.47
22 51 23 00-0164 EA 3 HP, 480 Volt, Line Reactor (TCI KDRA2L) .....	217.39	28.87
22 51 23 00-0165 EA 5 HP, 480 Volt, Line Reactor (TCI KDRA3L) .....	228.30	31.28
22 51 23 00-0166 EA 7-1/2 HP, 480 Volt, Line Reactor (TCI KDRA4L) .....	237.99	33.68
22 51 23 00-0167 EA 10 HP, 480 Volt, Line Reactor (TCI KDRA5L) .....	301.30	36.08
22 51 23 00-0168 EA 15 HP, 480 Volt, Line Reactor (TCI KDRB2L) .....	313.42	38.50
22 51 23 00-0169 EA 20 HP, 480 Volt, Line Reactor (TCI KDRB1L) .....	329.21	40.90
22 51 23 00-0170 EA 25 HP, 480 Volt, Line Reactor (TCI KDRD1L) .....	340.11	43.31
22 51 23 00-0171 EA 30 HP, 480 Volt, Line Reactor (TCI KDRD2L) .....	413.16	45.71
22 51 23 00-0172 EA 40 HP, 480 Volt, Line Reactor (TCI KDRC1L) .....	450.89	48.12
22 51 23 00-0173 EA Models 04 To 30, 304 SS Metric To English Conduit Adaptor Kit.....	73.89	
22 51 23 00-0174 EA Models 32 To 46, 304 SS Metric To English Conduit Adaptor Kit.....	101.67	
22 51 23 00-0175 EA Models 60 To 74, 304 SS Metric To English Conduit Adaptor Kit.....	127.00	
<b>22 51 23 00-0176 Pool Flow Meters <small>(22 51 23)</small></b>		
22 51 23 00-0177 EA 20 To 110 GPM, 1-1/2" Retrofit Kit FlowVis For Existing Jandy Or Praher Valve Flow Meter (H2Flow FVJ-R-15) .....	134.12	19.29
22 51 23 00-0178 EA 20 To 110 GPM, 2" x 2-1/2" Retrofit Kit FlowVis For Existing Jandy® Or Praher Valve Flow Meter (H2Flow FVJ-R).....	134.12	19.29
22 51 23 00-0179 EA 20 To 110 GPM, 1-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C-15) .....	207.84	36.16
22 51 23 00-0180 EA 20 To 110 GPM, 2" x 2-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C) .....	172.68	38.57
<b>22 51 23 00-0181 Paddlewheel Flow Sensors <small>(22 51 23)</small></b>		
22 51 23 00-0182 EA 1/2" To 4" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-PO) .....	890.51	55.58
Note: Includes 25' of cable (extendable to 200').		
22 51 23 00-0183 EA 1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-PO) .....	1,193.97	55.58
22 51 23 00-0184 EA 1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-PO) .....	1,193.97	55.58
22 51 23 00-0185 EA 1/2" To 4" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-PO) .....	1,241.50	55.58
22 51 23 00-0186 EA 1/2" To 4" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-PO).....	1,292.69	55.58
22 51 23 00-0187 EA 1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-TO).....	1,389.58	55.58
22 51 23 00-0188 EA 1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-TO).....	1,389.58	55.58
22 51 23 00-0189 EA 1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-TO) .....	1,449.90	55.58
22 51 23 00-0190 EA 1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-TO) .....	1,508.40	55.58
22 51 23 00-0191 EA >4" To 8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P1) .....	932.56	55.58
Note: Includes 25' of cable (extendable to 200').		
22 51 23 00-0192 EA >4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-P1) .....	1,241.50	55.58
22 51 23 00-0193 EA >4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-P1).....	1,241.50	55.58
22 51 23 00-0194 EA >4" To 8" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-P1) .....	1,292.69	55.58

**22 Plumbing****22 50 Pool and Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0195 EA >4" To 8" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-P1).....	1,340.22	55.58
22 51 23 00-0196 EA >8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P2).....	970.95	55.58
Note: Includes 25' of cable (extendable to 200').		
22 51 23 00-0197 EA 2" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S020).....	309.53	
22 51 23 00-0198 EA 4" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S040).....	427.86	
22 51 23 00-0199 EA 6" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S060).....	526.08	
22 51 23 00-0200 EA 8" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S080).....	646.23	
22 51 23 00-0201 EA 10" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S100).....	855.95	
22 51 23 00-0202 EA 12" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S120).....	866.42	
22 51 23 00-0203 EA 24 Volt DC, Power Supply 7.5 Watt, 300 mA (Signet 7300-7524) .....	289.05	15.39
22 51 23 00-0204 EA 24 Volt DC, Power Supply 15 Watt, 600 mA (Signet 7300-1524) .....	404.22	15.39
22 51 23 00-0205 EA 24 Volt DC, 30 Watt, 1.3 Amperes, Power Supply (Signet 7300-3024) .....	502.93	15.39
22 51 23 00-0206 EA 24 Volt DC, 50 Watt, 2.1 Amperes, Power Supply (Signet 7300-5024) .....	641.87	15.39
22 51 23 00-0207 EA 24 Volt DC, 100 Watt, 4.2 Amperes, Power Supply (Signet 7300-1024) .....	897.80	15.39

## 22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities <sup>(22)</sup>

### 22 63 Gas Systems for Laboratory and Healthcare Facilities <sup>(22 60)</sup>

#### 22 63 13 Gas Piping for Laboratory and Healthcare Facilities <sup>(22 63)</sup>

##### 22 63 13 53 Laboratory Gas Piping <sup>(22 63 13)</sup>

See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2206 for PVC piping.

### 22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities <sup>(22 60)</sup>

#### 22 66 53 Laboratory Chemical-Waste and Vent Piping <sup>(22 66)</sup>

##### 22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <sup>(22 66 53)</sup>

##### 22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings <sup>(22 66 53 00-0001)</sup>

##### 22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe <sup>(22 66 53 00-0002)</sup>

22 66 53 00-0004 LF 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	18.68	5.49
For Schedule 80, Add	5.41	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	4.63	
For Work In Restricted Working Space, Add	2.48	
22 66 53 00-0005 LF 2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	23.39	6.17
For Schedule 80, Add	7.32	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	6.26	
For Work In Restricted Working Space, Add	2.80	
22 66 53 00-0006 LF 3" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	38.89	8.96
For Schedule 80, Add	13.21	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	11.30	
For Work In Restricted Working Space, Add	4.05	
22 66 53 00-0007 LF 4" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	53.59	11.66
For Schedule 80, Add	18.75	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	16.05	
For Work In Restricted Working Space, Add	5.26	
22 66 53 00-0008 LF 6" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	90.70	17.16
For Schedule 80, Add	33.79	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	28.92	
For Work In Restricted Working Space, Add	7.71	

##### 22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends <sup>(22 66 53 00-0002)</sup>

22 66 53 00-0010 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	73.05	20.73
For Work In Restricted Working Space, Add	9.33	
22 66 53 00-0011 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	93.13	27.38
For Work In Restricted Working Space, Add	12.31	
22 66 53 00-0012 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	135.49	31.33
For Work In Restricted Working Space, Add	14.11	
22 66 53 00-0013 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	203.01	41.47
For Work In Restricted Working Space, Add	18.66	
22 66 53 00-0014 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	437.90	61.23
For Work In Restricted Working Space, Add	27.55	

##### 22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends <sup>(22 66 53 00-0002)</sup>

22 66 53 00-0016 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	72.34	20.73
For Work In Restricted Working Space, Add	9.33	
22 66 53 00-0017 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	91.24	27.38
For Work In Restricted Working Space, Add	12.31	
22 66 53 00-0018 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	139.11	31.33
For Work In Restricted Working Space, Add	14.11	
22 66 53 00-0019 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	166.62	41.47
For Work In Restricted Working Space, Add	18.66	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0020 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	381.50 27.55	61.23
<b>22 66 53 00-0021 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees <sup>(22 66 53 00-0002)</sup></b>		
22 66 53 00-0022 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	118.60 19.95	44.35
22 66 53 00-0023 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	146.28 25.16	55.92
22 66 53 00-0024 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	216.72 27.55	61.23
22 66 53 00-0025 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	307.55 36.16	80.41
22 66 53 00-0026 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	564.78 57.85	128.62
<b>22 66 53 00-0027 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees <sup>(22 66 53 00-0002)</sup></b>		
22 66 53 00-0028 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	146.19 25.16	55.92
22 66 53 00-0029 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	208.00 27.55	61.23
22 66 53 00-0030 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	200.25 27.55	61.23
22 66 53 00-0031 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	287.67 36.16	80.41
22 66 53 00-0032 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	295.17 36.16	80.41
22 66 53 00-0033 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	509.43 57.85	128.62
<b>22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug <sup>(22 66 53 00-0002)</sup></b>		
22 66 53 00-0035 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug ..... <i>For Work In Restricted Working Space, Add</i>	144.05 19.95	44.35
22 66 53 00-0036 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug ..... <i>For Work In Restricted Working Space, Add</i>	152.42 25.16	55.92
22 66 53 00-0037 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug ..... <i>For Work In Restricted Working Space, Add</i>	235.55 27.55	61.23
22 66 53 00-0038 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug ..... <i>For Work In Restricted Working Space, Add</i>	316.23 36.16	80.41
22 66 53 00-0039 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug ..... <i>For Work In Restricted Working Space, Add</i>	457.45 57.85	128.62
<b>22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes <sup>(22 66 53 00-0002)</sup></b>		
22 66 53 00-0041 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	132.88 19.95	44.35
22 66 53 00-0042 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	159.50 25.16	55.92
22 66 53 00-0043 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	224.60 27.55	61.23
22 66 53 00-0044 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	314.08 36.16	80.41
22 66 53 00-0045 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	684.19 57.85	128.62
<b>22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes <sup>(22 66 53 00-0002)</sup></b>		
22 66 53 00-0047 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	176.98 25.16	55.92
22 66 53 00-0048 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	215.63 27.55	61.23
22 66 53 00-0049 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	215.63 27.55	61.23
22 66 53 00-0050 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	306.33 36.16	80.41
22 66 53 00-0051 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	306.33 36.16	80.41
22 66 53 00-0052 EA 6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	581.33 57.85	128.62
22 66 53 00-0053 EA 6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	587.35 57.85	128.62
22 66 53 00-0054 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	511.96 57.85	128.62
<b>22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses <sup>(22 66 53 00-0002)</sup></b>		

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0056	EA	1-1/2"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	164.80 24.94	55.44
22 66 53 00-0057	EA	2"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	202.67 31.44	69.91
22 66 53 00-0058	EA	3"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	310.57 34.44	76.56
22 66 53 00-0059	EA	4"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	443.84 45.20	100.47
22 66 53 00-0060	EA	6"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	824.10 72.32	160.73
<b>22 66 53 00-0061</b>			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends <small>(22 66 53 00-0002)</small></b>		
22 66 53 00-0062	EA	1-1/2"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	113.95 19.95	44.35
22 66 53 00-0063	EA	2"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	153.17 25.16	55.92
22 66 53 00-0064	EA	3"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	180.54 27.55	61.23
22 66 53 00-0065	EA	4"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	258.48 36.16	80.41
22 66 53 00-0066	EA	2" x 2" x 1-1/2"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	132.54 25.16	55.92
22 66 53 00-0067	EA	3" x 3" x 1-1/2"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	172.24 27.55	61.23
22 66 53 00-0068	EA	3" x 3" x 2"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	175.57 27.55	61.23
22 66 53 00-0069	EA	4" x 4" x 2"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	246.14 36.16	80.41
22 66 53 00-0070	EA	4" x 4" x 3"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	248.24 36.16	80.41
<b>22 66 53 00-0071</b>			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps <small>(22 66 53 00-0002)</small></b>		
22 66 53 00-0072	EA	1-1/2"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	136.65 23.14	51.49
22 66 53 00-0073	EA	2"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	183.37 30.45	67.69
22 66 53 00-0074	EA	3"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	298.82 41.33	91.89
22 66 53 00-0075	EA	4"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	445.98 52.59	116.96
<b>22 66 53 00-0076</b>			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters <small>(22 66 53 00-0002)</small></b>		
22 66 53 00-0077	EA	1-1/2"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter ..... <i>For Work In Restricted Working Space, Add</i>	71.07 9.33	20.73
22 66 53 00-0078	EA	2"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter ..... <i>For Work In Restricted Working Space, Add</i>	82.69 12.31	27.38
22 66 53 00-0079	EA	3"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter ..... <i>For Work In Restricted Working Space, Add</i>	98.59 14.11	31.33
22 66 53 00-0080	EA	4"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter ..... <i>For Work In Restricted Working Space, Add</i>	136.50 18.66	41.47
22 66 53 00-0081	EA	6"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter ..... <i>For Work In Restricted Working Space, Add</i>	203.12 27.55	61.23
<b>22 66 53 00-0082</b>			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters <small>(22 66 53 00-0002)</small></b>		
22 66 53 00-0083	EA	1-1/2"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	66.06 9.33	20.73
22 66 53 00-0084	EA	2"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	86.48 12.31	27.38
22 66 53 00-0085	EA	3"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	105.54 14.11	31.33
22 66 53 00-0086	EA	4"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	143.33 18.66	41.47
<b>22 66 53 00-0087</b>			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings <small>(22 66 53 00-0002)</small></b>		
22 66 53 00-0088	EA	1-1/2"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling ..... <i>For Work In Restricted Working Space, Add</i>	59.83 9.33	20.73
22 66 53 00-0089	EA	2"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling ..... <i>For Work In Restricted Working Space, Add</i>	75.28 12.31	27.38
22 66 53 00-0090	EA	3"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling ..... <i>For Work In Restricted Working Space, Add</i>	88.60 14.11	31.33
22 66 53 00-0091	EA	4"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling ..... <i>For Work In Restricted Working Space, Add</i>	117.17 18.66	41.47
22 66 53 00-0092	EA	6"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling ..... <i>For Work In Restricted Working Space, Add</i>	171.74 27.55	61.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 66 53 00-0093 Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)</b>		
<b>22 66 53 00-0094 Glass Acid Resistant DWV Pipe (22 66 53 00-0093)</b>		
22 66 53 00-0095 LF 1-1/2" Glass Acid Resistant DWV Pipe.....	21.47	5.30
For Work In Restricted Working Space, Add	3.18	
22 66 53 00-0096 LF 2" Glass Acid Resistant DWV Pipe.....	26.36	5.79
For Work In Restricted Working Space, Add	3.47	
22 66 53 00-0097 LF 3" Glass Acid Resistant DWV Pipe.....	36.57	8.10
For Work In Restricted Working Space, Add	4.88	
22 66 53 00-0098 LF 4" Glass Acid Resistant DWV Pipe.....	57.98	10.51
For Work In Restricted Working Space, Add	6.32	
22 66 53 00-0099 LF 6" Glass Acid Resistant DWV Pipe.....	94.92	14.37
For Work In Restricted Working Space, Add	8.61	
<b>22 66 53 00-0100 Glass Acid Resistant DWV 90 Or 60 Degree Sweeps (22 66 53 00-0093)</b>		
22 66 53 00-0101 EA 1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep .....	70.26	23.62
For Work In Restricted Working Space, Add	14.15	
22 66 53 00-0102 EA 2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep.....	79.20	25.07
For Work In Restricted Working Space, Add	15.01	
22 66 53 00-0103 EA 3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep.....	104.93	28.44
For Work In Restricted Working Space, Add	17.07	
22 66 53 00-0104 EA 4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep.....	151.92	37.60
For Work In Restricted Working Space, Add	22.56	
22 66 53 00-0105 EA 6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep.....	337.92	52.07
For Work In Restricted Working Space, Add	31.24	
<b>22 66 53 00-0106 Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps (22 66 53 00-0093)</b>		
22 66 53 00-0107 EA 1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep .....	70.46	23.72
For Work In Restricted Working Space, Add	14.21	
22 66 53 00-0108 EA 2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep .....	78.82	24.78
For Work In Restricted Working Space, Add	14.90	
22 66 53 00-0109 EA 3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep .....	104.73	28.35
For Work In Restricted Working Space, Add	17.01	
22 66 53 00-0110 EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep .....	151.92	37.60
For Work In Restricted Working Space, Add	22.56	
22 66 53 00-0111 EA 6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep .....	337.90	52.07
For Work In Restricted Working Space, Add	31.24	
<b>22 66 53 00-0112 Glass Acid Resistant DWV 90 Or 60 Degree Bends (22 66 53 00-0093)</b>		
22 66 53 00-0113 EA 1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend.....	71.09	23.72
For Work In Restricted Working Space, Add	14.21	
22 66 53 00-0114 EA 2" Glass Acid Resistant DWV 90 Or 60 Degree Bend.....	79.58	24.78
For Work In Restricted Working Space, Add	14.90	
22 66 53 00-0115 EA 3" Glass Acid Resistant DWV 90 Or 60 Degree Bend.....	106.06	28.35
For Work In Restricted Working Space, Add	17.01	
22 66 53 00-0116 EA 4" Glass Acid Resistant DWV 90 Or 60 Degree Bend.....	151.92	37.60
For Work In Restricted Working Space, Add	22.56	
<b>22 66 53 00-0117 Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends (22 66 53 00-0093)</b>		
22 66 53 00-0118 EA 1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend.....	71.09	23.72
For Work In Restricted Working Space, Add	14.21	
22 66 53 00-0119 EA 2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend.....	79.58	24.78
For Work In Restricted Working Space, Add	14.90	
22 66 53 00-0120 EA 3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend.....	106.06	28.35
For Work In Restricted Working Space, Add	17.01	
22 66 53 00-0121 EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend.....	151.92	37.60
For Work In Restricted Working Space, Add	22.56	
<b>22 66 53 00-0122 Glass Acid Resistant DWV 90 Degree Bends With Long Leg (22 66 53 00-0093)</b>		
22 66 53 00-0123 EA 1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg.....	80.09	23.72
For Work In Restricted Working Space, Add	14.21	
22 66 53 00-0124 EA 2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg.....	92.52	24.78
For Work In Restricted Working Space, Add	14.90	
<b>22 66 53 00-0125 Glass Acid Resistant DWV Double Quarter Bends (22 66 53 00-0093)</b>		
22 66 53 00-0126 EA 1-1/2" Glass Acid Resistant DWV Double Quarter Bend.....	112.31	35.49
For Work In Restricted Working Space, Add	21.31	
22 66 53 00-0127 EA 2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend.....	135.96	36.74
For Work In Restricted Working Space, Add	22.04	
22 66 53 00-0128 EA 2" Glass Acid Resistant DWV Double Quarter Bend .....	128.66	37.22
For Work In Restricted Working Space, Add	22.35	
22 66 53 00-0129 EA 3" Glass Acid Resistant DWV Double Quarter Bend .....	169.03	42.52
For Work In Restricted Working Space, Add	25.52	

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0130	EA		4" Glass Acid Resistant DWV Double Quarter Bend .....	269.81	56.41
			<i>For Work In Restricted Working Space, Add</i>	33.84	
22 66 53 00-0131	EA		6" Glass Acid Resistant DWV Double Quarter Bend .....	408.25	78.10
			<i>For Work In Restricted Working Space, Add</i>	46.87	
<b>22 66 53 00-0132</b>			<b>Glass Acid Resistant DWV Sanitary Tees</b> (22 66 53 00-0093)		
22 66 53 00-0133	EA		1-1/2" Glass Acid Resistant DWV Sanitary Tee.....	108.60	35.68
			<i>For Work In Restricted Working Space, Add</i>	21.41	
22 66 53 00-0134	EA		2" Glass Acid Resistant DWV Sanitary Tee.....	111.49	37.12
			<i>For Work In Restricted Working Space, Add</i>	22.27	
22 66 53 00-0135	EA		3" Glass Acid Resistant DWV Sanitary Tee.....	140.41	42.42
			<i>For Work In Restricted Working Space, Add</i>	25.46	
22 66 53 00-0136	EA		4" Glass Acid Resistant DWV Sanitary Tee.....	212.50	56.41
			<i>For Work In Restricted Working Space, Add</i>	33.84	
22 66 53 00-0137	EA		6" Glass Acid Resistant DWV Sanitary Tee.....	423.25	78.10
			<i>For Work In Restricted Working Space, Add</i>	46.86	
<b>22 66 53 00-0138</b>			<b>Glass Acid Resistant DWV Reducing Sanitary Tees</b> (22 66 53 00-0093)		
22 66 53 00-0139	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	110.53	36.64
			<i>For Work In Restricted Working Space, Add</i>	21.98	
22 66 53 00-0140	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	129.15	40.01
			<i>For Work In Restricted Working Space, Add</i>	24.01	
22 66 53 00-0141	EA		3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	136.18	40.98
			<i>For Work In Restricted Working Space, Add</i>	24.59	
22 66 53 00-0142	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	173.62	49.66
			<i>For Work In Restricted Working Space, Add</i>	29.79	
22 66 53 00-0143	EA		4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	180.71	50.14
			<i>For Work In Restricted Working Space, Add</i>	30.08	
22 66 53 00-0144	EA		4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee.....	189.10	51.59
			<i>For Work In Restricted Working Space, Add</i>	30.95	
22 66 53 00-0145	EA		6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	316.65	64.60
			<i>For Work In Restricted Working Space, Add</i>	38.76	
22 66 53 00-0146	EA		6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee.....	339.11	66.04
			<i>For Work In Restricted Working Space, Add</i>	39.63	
22 66 53 00-0147	EA		6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee.....	349.83	70.87
			<i>For Work In Restricted Working Space, Add</i>	42.52	
<b>22 66 53 00-0148</b>			<b>Glass Acid Resistant DWV Double Sanitary Tees</b> (22 66 53 00-0093)		
22 66 53 00-0149	EA		1-1/2" Glass Acid Resistant DWV Double Sanitary Tee .....	151.64	47.24
			<i>For Work In Restricted Working Space, Add</i>	28.35	
22 66 53 00-0150	EA		2" Glass Acid Resistant DWV Double Sanitary Tee.....	156.44	49.66
			<i>For Work In Restricted Working Space, Add</i>	29.79	
22 66 53 00-0151	EA		3" Glass Acid Resistant DWV Double Sanitary Tee.....	197.74	56.89
			<i>For Work In Restricted Working Space, Add</i>	34.13	
22 66 53 00-0152	EA		4" Glass Acid Resistant DWV Double Sanitary Tee.....	311.33	75.21
			<i>For Work In Restricted Working Space, Add</i>	45.12	
22 66 53 00-0153	EA		6" Glass Acid Resistant DWV Double Sanitary Tee.....	536.46	104.13
			<i>For Work In Restricted Working Space, Add</i>	62.49	
<b>22 66 53 00-0154</b>			<b>Glass Acid Resistant DWV Reducing Double Sanitary Tees</b> (22 66 53 00-0093)		
22 66 53 00-0155	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee .....	154.51	48.69
			<i>For Work In Restricted Working Space, Add</i>	29.21	
22 66 53 00-0156	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee .....	175.79	52.07
			<i>For Work In Restricted Working Space, Add</i>	31.24	
22 66 53 00-0157	EA		3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee.....	184.48	53.03
			<i>For Work In Restricted Working Space, Add</i>	31.82	
22 66 53 00-0158	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee .....	258.39	61.23
			<i>For Work In Restricted Working Space, Add</i>	36.74	
22 66 53 00-0159	EA		4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee.....	257.23	62.68
			<i>For Work In Restricted Working Space, Add</i>	37.60	
22 66 53 00-0160	EA		4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee.....	275.31	66.04
			<i>For Work In Restricted Working Space, Add</i>	39.64	
22 66 53 00-0161	EA		6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee.....	358.36	77.13
			<i>For Work In Restricted Working Space, Add</i>	46.28	
22 66 53 00-0162	EA		6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee.....	387.54	80.51
			<i>For Work In Restricted Working Space, Add</i>	48.30	
22 66 53 00-0163	EA		6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee.....	437.97	89.68
			<i>For Work In Restricted Working Space, Add</i>	53.79	
<b>22 66 53 00-0164</b>			<b>Glass Acid Resistant DWV Tees</b> (22 66 53 00-0093)		
22 66 53 00-0165	EA		1-1/2" Glass Acid Resistant DWV Tee.....	117.45	35.68
			<i>For Work In Restricted Working Space, Add</i>	21.41	
22 66 53 00-0166	EA		2" Glass Acid Resistant DWV Tee .....	120.33	37.12
			<i>For Work In Restricted Working Space, Add</i>	22.27	
22 66 53 00-0167	EA		3" Glass Acid Resistant DWV Tee .....	151.39	42.42
			<i>For Work In Restricted Working Space, Add</i>	25.46	
22 66 53 00-0168	EA		4" Glass Acid Resistant DWV Tee .....	229.72	56.41
			<i>For Work In Restricted Working Space, Add</i>	33.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0169 EA 6" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	443.92 46.87	78.10
<b>22 66 53 00-0170 Glass Acid Resistant DWV Reducing Tees</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0171 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	119.36 21.98	36.64
22 66 53 00-0172 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	138.37 24.01	40.01
22 66 53 00-0173 EA 3" x 2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	141.62 24.59	40.98
22 66 53 00-0174 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	175.65 29.80	49.66
22 66 53 00-0175 EA 4" x 2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	179.75 30.08	50.14
22 66 53 00-0176 EA 4" x 3" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	209.83 30.96	51.59
22 66 53 00-0177 EA 6" x 3" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	376.97 39.62	66.04
22 66 53 00-0178 EA 6" x 4" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	394.13 42.52	70.87
<b>22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0180 EA 1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	132.60 21.41	35.68
22 66 53 00-0181 EA 2" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	146.02 22.27	37.12
22 66 53 00-0182 EA 3" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	183.78 25.46	42.42
22 66 53 00-0183 EA 4" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	303.53 33.84	56.41
22 66 53 00-0184 EA 6" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	443.92 46.87	78.10
<b>22 66 53 00-0185 Glass Acid Resistant DWV Wyes</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0186 EA 1-1/2" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	110.50 21.41	35.68
22 66 53 00-0187 EA 2" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	113.38 22.27	37.12
22 66 53 00-0188 EA 3" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	147.98 25.46	42.42
22 66 53 00-0189 EA 4" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	220.95 33.84	56.41
22 66 53 00-0190 EA 6" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	417.47 46.87	78.10
<b>22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0192 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	112.41 21.98	36.64
22 66 53 00-0193 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	133.06 24.01	40.01
22 66 53 00-0194 EA 3" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	136.63 24.59	40.98
22 66 53 00-0195 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	181.20 29.80	49.66
22 66 53 00-0196 EA 4" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	182.91 30.08	50.14
22 66 53 00-0197 EA 4" x 3" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	196.57 30.96	51.59
22 66 53 00-0198 EA 6" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	308.43 38.76	64.60
22 66 53 00-0199 EA 6" x 3" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	350.71 39.62	66.04
22 66 53 00-0200 EA 6" x 4" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	380.49 42.52	70.87
<b>22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0202 EA 1-1/2" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	170.69 28.35	47.24
22 66 53 00-0203 EA 2" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	175.52 29.80	49.66
22 66 53 00-0204 EA 3" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	227.34 34.13	56.89
22 66 53 00-0205 EA 4" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	341.55 45.11	75.21
22 66 53 00-0206 EA 6" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	552.83 62.51	104.13

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0207			<b>Glass Acid Resistant DWV Reducing Double Wyes</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0208	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye.....	173.56	48.69
			<i>For Work In Restricted Working Space, Add</i>	29.21	
22 66 53 00-0209	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye.....	180.32	52.07
			<i>For Work In Restricted Working Space, Add</i>	31.24	
22 66 53 00-0210	EA		3" x 2" Glass Acid Resistant DWV Reducing Double Wye.....	202.96	53.03
			<i>For Work In Restricted Working Space, Add</i>	31.82	
22 66 53 00-0211	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye.....	246.55	61.23
			<i>For Work In Restricted Working Space, Add</i>	36.75	
22 66 53 00-0212	EA		4" x 2" Glass Acid Resistant DWV Reducing Double Wye.....	258.75	62.68
			<i>For Work In Restricted Working Space, Add</i>	37.61	
22 66 53 00-0213	EA		4" x 3" Glass Acid Resistant DWV Reducing Double Wye.....	298.44	66.04
			<i>For Work In Restricted Working Space, Add</i>	39.62	
22 66 53 00-0214	EA		6" x 2" Glass Acid Resistant DWV Reducing Double Wye.....	442.39	77.13
			<i>For Work In Restricted Working Space, Add</i>	46.27	
22 66 53 00-0215	EA		6" x 3" Glass Acid Resistant DWV Reducing Double Wye.....	464.00	80.51
			<i>For Work In Restricted Working Space, Add</i>	48.31	
22 66 53 00-0216	EA		6" x 4" Glass Acid Resistant DWV Reducing Double Wye.....	498.80	89.68
			<i>For Work In Restricted Working Space, Add</i>	53.81	
22 66 53 00-0217			<b>Glass Acid Resistant DWV Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0218	EA		1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend .....	120.50	35.68
			<i>For Work In Restricted Working Space, Add</i>	21.41	
22 66 53 00-0219	EA		2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend .....	123.80	37.12
			<i>For Work In Restricted Working Space, Add</i>	22.27	
22 66 53 00-0220	EA		3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend .....	154.17	42.42
			<i>For Work In Restricted Working Space, Add</i>	25.46	
22 66 53 00-0221	EA		4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend .....	224.17	56.41
			<i>For Work In Restricted Working Space, Add</i>	33.84	
22 66 53 00-0222	EA		6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend .....	408.44	78.10
			<i>For Work In Restricted Working Space, Add</i>	46.87	
22 66 53 00-0223			<b>Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0224	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	122.83	36.64
			<i>For Work In Restricted Working Space, Add</i>	21.98	
22 66 53 00-0225	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	134.64	40.01
			<i>For Work In Restricted Working Space, Add</i>	24.01	
22 66 53 00-0226	EA		3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	142.95	40.98
			<i>For Work In Restricted Working Space, Add</i>	24.59	
22 66 53 00-0227	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	177.42	49.66
			<i>For Work In Restricted Working Space, Add</i>	29.80	
22 66 53 00-0228	EA		4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	183.73	50.14
			<i>For Work In Restricted Working Space, Add</i>	30.08	
22 66 53 00-0229	EA		4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	197.52	51.59
			<i>For Work In Restricted Working Space, Add</i>	30.96	
22 66 53 00-0230	EA		6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	308.99	64.60
			<i>For Work In Restricted Working Space, Add</i>	38.76	
22 66 53 00-0231	EA		6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	345.22	66.04
			<i>For Work In Restricted Working Space, Add</i>	39.62	
22 66 53 00-0232	EA		6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	355.24	70.87
			<i>For Work In Restricted Working Space, Add</i>	42.52	
22 66 53 00-0233			<b>Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0234	EA		1-1/2" Double Glass Combination Wye And 1/8 Bend .....	161.22	47.24
			<i>For Work In Restricted Working Space, Add</i>	28.35	
22 66 53 00-0235	EA		2" Double Glass Combination Wye And 1/8 Bend .....	183.48	49.66
			<i>For Work In Restricted Working Space, Add</i>	29.80	
22 66 53 00-0236	EA		3" Double Glass Combination Wye And 1/8 Bend .....	239.33	56.89
			<i>For Work In Restricted Working Space, Add</i>	34.13	
22 66 53 00-0237	EA		4" Double Glass Combination Wye And 1/8 Bend .....	369.45	75.21
			<i>For Work In Restricted Working Space, Add</i>	45.11	
22 66 53 00-0238	EA		6" Double Glass Combination Wye And 1/8 Bend .....	597.37	104.13
			<i>For Work In Restricted Working Space, Add</i>	62.51	
22 66 53 00-0239			<b>Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0240	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	165.54	48.69
			<i>For Work In Restricted Working Space, Add</i>	29.21	
22 66 53 00-0241	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	202.67	52.07
			<i>For Work In Restricted Working Space, Add</i>	31.24	
22 66 53 00-0242	EA		3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	200.94	53.03
			<i>For Work In Restricted Working Space, Add</i>	31.82	
22 66 53 00-0243	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	262.08	61.23
			<i>For Work In Restricted Working Space, Add</i>	36.75	
22 66 53 00-0244	EA		4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	261.21	62.68
			<i>For Work In Restricted Working Space, Add</i>	37.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0245 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	289.66 39.62	66.04
22 66 53 00-0246 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	401.71 46.27	77.13
22 66 53 00-0247 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	426.75 48.31	80.51
22 66 53 00-0248 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	494.39 53.81	89.68
<b>22 66 53 00-0249 Glass Acid Resistant DWV Partition Crosses (Compact) (22 66 53 00-0093)</b>		
22 66 53 00-0250 EA 2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)..... <i>For Work In Restricted Working Space, Add</i>	178.17 29.21	48.69
22 66 53 00-0251 EA 2" Glass Acid Resistant DWV Partition Cross (Compact)..... <i>For Work In Restricted Working Space, Add</i>	180.13 29.80	49.66
22 66 53 00-0252 EA 2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)..... <i>For Work In Restricted Working Space, Add</i>	188.97 28.93	48.21
<b>22 66 53 00-0253 Glass Acid Resistant DWV Upright Y Or H (Vent Branch) (22 66 53 00-0093)</b>		
22 66 53 00-0254 EA 1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	165.68 21.41	35.68
22 66 53 00-0255 EA 2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	180.87 22.27	37.12
22 66 53 00-0256 EA 3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	207.90 25.46	42.42
22 66 53 00-0257 EA 4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	300.56 33.84	56.41
22 66 53 00-0258 EA 6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	543.04 46.87	78.10
<b>22 66 53 00-0259 Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) (22 66 53 00-0093)</b>		
22 66 53 00-0260 EA 2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	167.21 21.98	36.64
22 66 53 00-0261 EA 3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	189.50 24.01	40.01
22 66 53 00-0262 EA 3" x 2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	200.59 24.59	40.98
22 66 53 00-0263 EA 4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	234.24 29.80	49.66
22 66 53 00-0264 EA 4" x 2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	246.11 30.08	50.14
22 66 53 00-0265 EA 4" x 3" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	267.73 30.96	51.59
22 66 53 00-0266 EA 6" x 3" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	379.56 39.62	66.04
22 66 53 00-0267 EA 6" x 4" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	429.10 42.52	70.87
<b>22 66 53 00-0268 Glass Acid Resistant DWV Reducers Or Increases (22 66 53 00-0093)</b>		
22 66 53 00-0269 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.41 1.62 14.46	24.11
22 66 53 00-0270 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.06 2.40 15.62	26.03
22 66 53 00-0271 EA 3" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.62 2.69 15.91	26.51
22 66 53 00-0272 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	108.62 3.75 18.51	30.86
22 66 53 00-0273 EA 4" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.49 3.98 18.80	31.33
22 66 53 00-0274 EA 4" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	119.42 4.31 19.67	32.79
22 66 53 00-0275 EA 6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	212.55 10.91 22.85	38.09
22 66 53 00-0276 EA 6" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	222.15 11.60 23.14	38.57
22 66 53 00-0277 EA 6" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	234.96 12.39 24.01	40.01
22 66 53 00-0278 EA 6" x 4" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	249.09 12.75 26.90	44.83

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities**

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0279			<b>Glass Acid Resistant DWV Swivel P-Traps</b> (22 66 53 00-0093)		
22 66 53 00-0280	EA		1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	142.44	35.68
			<i>For Work In Restricted Working Space, Add</i>	21.41	
22 66 53 00-0281	EA		2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	151.12	36.64
			<i>For Work In Restricted Working Space, Add</i>	21.98	
22 66 53 00-0282	EA		2" Glass Acid Resistant DWV Swivel P-Trap.....	166.29	37.12
			<i>For Work In Restricted Working Space, Add</i>	22.27	
22 66 53 00-0283	EA		1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	151.66	35.68
			<i>For Work In Restricted Working Space, Add</i>	21.41	
22 66 53 00-0284	EA		2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	162.87	36.64
			<i>For Work In Restricted Working Space, Add</i>	21.98	
22 66 53 00-0285	EA		2" Glass Acid Resistant DWV Swivel P-Trap.....	179.55	37.12
			<i>For Work In Restricted Working Space, Add</i>	22.27	
22 66 53 00-0286	EA		1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	154.18	35.68
			<i>For Work In Restricted Working Space, Add</i>	21.41	
22 66 53 00-0287	EA		2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	162.87	36.64
			<i>For Work In Restricted Working Space, Add</i>	21.98	
22 66 53 00-0288	EA		2" Glass Acid Resistant DWV Swivel P-Trap.....	179.55	37.12
			<i>For Work In Restricted Working Space, Add</i>	22.27	
22 66 53 00-0289			<b>Glass Acid Resistant DWV Drum P-Traps</b> (22 66 53 00-0093)		
22 66 53 00-0290	EA		1-1/2" Glass Acid Resistant DWV Drum P-Trap.....	182.84	35.68
			<i>For Work In Restricted Working Space, Add</i>	21.41	
22 66 53 00-0291	EA		2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap.....	222.91	36.64
			<i>For Work In Restricted Working Space, Add</i>	21.98	
22 66 53 00-0292	EA		2" Glass Acid Resistant DWV Drum P-Trap.....	228.92	37.12
			<i>For Work In Restricted Working Space, Add</i>	22.27	
22 66 53 00-0293	EA		1-1/2" Glass Acid Resistant DWV Drum P-Trap.....	198.19	35.68
			<i>For Work In Restricted Working Space, Add</i>	21.41	
22 66 53 00-0294	EA		2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap.....	209.08	36.64
			<i>For Work In Restricted Working Space, Add</i>	21.98	
22 66 53 00-0295	EA		2" Glass Acid Resistant DWV Drum P-Trap.....	231.88	37.12
			<i>For Work In Restricted Working Space, Add</i>	22.27	
22 66 53 00-0296			<b>Glass Acid Resistant DWV Cleanout Plugs</b> (22 66 53 00-0093)		
22 66 53 00-0297	EA		1-1/2" Glass Acid Resistant DWV Cleanout Plug.....	33.52	12.06
			<i>For Work In Restricted Working Space, Add</i>	7.23	
22 66 53 00-0298	EA		2" Glass Acid Resistant DWV Cleanout Plug.....	36.94	12.53
			<i>For Work In Restricted Working Space, Add</i>	7.52	
22 66 53 00-0299	EA		3" Glass Acid Resistant DWV Cleanout Plug.....	44.95	13.98
			<i>For Work In Restricted Working Space, Add</i>	8.39	
22 66 53 00-0300	EA		4" Glass Acid Resistant DWV Cleanout Plug.....	68.16	18.80
			<i>For Work In Restricted Working Space, Add</i>	11.28	
22 66 53 00-0301	EA		6" Glass Acid Resistant DWV Cleanout Plug.....	96.71	26.03
			<i>For Work In Restricted Working Space, Add</i>	15.62	
22 66 53 00-0302			<b>Glass Acid Resistant DWV Sink Fittings</b> (22 66 53 00-0093)		
22 66 53 00-0303	EA		1-1/2" Glass Acid Resistant DWV Interceptor Trap.....	364.13	47.24
			<i>For Work In Restricted Working Space, Add</i>	28.35	
22 66 53 00-0304	EA		1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly.....	41.60	12.06
			<i>For Work In Restricted Working Space, Add</i>	7.23	
22 66 53 00-0305	EA		1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly.....	44.94	12.06
			<i>For Work In Restricted Working Space, Add</i>	7.23	
22 66 53 00-0306	EA		1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings.....	68.92	24.11
			<i>For Work In Restricted Working Space, Add</i>	14.46	
22 66 53 00-0307	EA		3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings.....	119.27	25.07
			<i>For Work In Restricted Working Space, Add</i>	15.04	
22 66 53 00-0308	EA		6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings.....	120.53	25.07
			<i>For Work In Restricted Working Space, Add</i>	15.04	
22 66 53 00-0309	EA		3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings.....	133.16	25.07
			<i>For Work In Restricted Working Space, Add</i>	15.04	
22 66 53 00-0310	EA		3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings.....	112.45	25.07
			<i>For Work In Restricted Working Space, Add</i>	15.04	
22 66 53 00-0311			<b>Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters</b> (22 66 53 00-0093)		
			Note: Includes teflon spacer.		
22 66 53 00-0312	EA		1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter.....	117.99	35.58
			<i>For Work In Restricted Working Space, Add</i>	21.35	
22 66 53 00-0313	EA		2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter.....	123.31	37.31
			<i>For Work In Restricted Working Space, Add</i>	22.39	
22 66 53 00-0314	EA		3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter.....	162.71	42.52
			<i>For Work In Restricted Working Space, Add</i>	25.52	
22 66 53 00-0315	EA		4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter.....	228.50	56.51
			<i>For Work In Restricted Working Space, Add</i>	33.87	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 66 53 00-0316</b>	<b>Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings</b> <small>(22 66 53 00-0093)</small>	
Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.		
22 66 53 00-0317 EA	1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	15.85
22 66 53 00-0318 EA	2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	19.99
22 66 53 00-0319 EA	3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	26.73
22 66 53 00-0320 EA	4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	45.04
22 66 53 00-0321 EA	6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping.....	104.91
<b>22 66 53 00-0322</b>	<b>Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings</b> <small>(22 66 53 00-0093)</small>	
Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.		
22 66 53 00-0323 EA	1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	20.43
22 66 53 00-0324 EA	2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	25.57
22 66 53 00-0325 EA	3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	43.41
22 66 53 00-0326 EA	4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	64.71
22 66 53 00-0327 EA	6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	157.79
<b>22 66 53 00-0328</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings</b> <small>(22 66 53)</small>	
Note: Acid resistant. ASTM A518.		
<b>22 66 53 00-0329</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe</b> <small>(22 66 53 00-0328)</small>	
22 66 53 00-0330 LF	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	142.88
22 66 53 00-0331 LF	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	202.26
22 66 53 00-0332 LF	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	277.12
22 66 53 00-0333 LF	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	457.57
22 66 53 00-0334 LF	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	813.60
22 66 53 00-0335 LF	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	1,449.03
22 66 53 00-0336 LF	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	2,594.74
22 66 53 00-0337 LF	15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	4,643.09
<b>22 66 53 00-0338</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings</b> <small>(22 66 53 00-0328)</small>	
<b>22 66 53 00-0339</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps</b> <small>(22 66 53 00-0338)</small>	
22 66 53 00-0340 EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	537.53
22 66 53 00-0341 EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	715.74
22 66 53 00-0342 EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	1,192.12
22 66 53 00-0343 EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	1,800.69
22 66 53 00-0344 EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	4,202.82
<b>22 66 53 00-0345</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends</b> <small>(22 66 53 00-0338)</small>	
22 66 53 00-0346 EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	286.66
22 66 53 00-0347 EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	386.16
22 66 53 00-0348 EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	488.69
22 66 53 00-0349 EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	1,412.08
22 66 53 00-0350 EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	3,266.71
22 66 53 00-0351 EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	5,005.10
22 66 53 00-0352 EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	7,403.52
<b>22 66 53 00-0353</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends</b> <small>(22 66 53 00-0338)</small>	
22 66 53 00-0354 EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	286.66
22 66 53 00-0355 EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	386.16
22 66 53 00-0356 EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	488.69
22 66 53 00-0357 EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	1,008.71
22 66 53 00-0358 EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	2,745.29
22 66 53 00-0359 EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	4,046.61
22 66 53 00-0360 EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	5,780.95
<b>22 66 53 00-0361</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends</b> <small>(22 66 53 00-0338)</small>	
22 66 53 00-0362 EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	286.66
22 66 53 00-0363 EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	386.16
22 66 53 00-0364 EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	488.45
<b>22 66 53 00-0365</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps</b> <small>(22 66 53 00-0338)</small>	
22 66 53 00-0366 EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	414.55
22 66 53 00-0367 EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	774.77

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities**

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0368 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	862.54	96.23
<b>22 66 53 00-0369 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees (22 66 53 00-0338)</b>		
22 66 53 00-0370 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	400.10	109.35
22 66 53 00-0371 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	516.22	121.20
22 66 53 00-0372 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	738.44	144.73
22 66 53 00-0373 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	1,292.16	172.85
22 66 53 00-0374 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	4,165.02	281.17
22 66 53 00-0375 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	5,954.43	351.09
<b>22 66 53 00-0376 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0338)</b>		
22 66 53 00-0377 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	373.61	104.81
22 66 53 00-0378 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	444.21	112.52
22 66 53 00-0379 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	504.20	116.47
22 66 53 00-0380 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	581.45	128.62
22 66 53 00-0381 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	626.95	132.67
22 66 53 00-0382 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	696.68	136.63
22 66 53 00-0383 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	889.16	149.57
22 66 53 00-0384 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	997.43	153.43
22 66 53 00-0385 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	1,126.05	160.48
<b>22 66 53 00-0386 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees (22 66 53 00-0338)</b>		
22 66 53 00-0387 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	468.91	109.35
22 66 53 00-0388 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	574.78	120.91
22 66 53 00-0389 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	802.34	144.73
<b>22 66 53 00-0390 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees (22 66 53 00-0338)</b>		
22 66 53 00-0391 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	442.45	104.81
22 66 53 00-0392 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	564.05	117.06
22 66 53 00-0393 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	686.54	133.06
22 66 53 00-0394 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	741.56	137.02
<b>22 66 53 00-0395 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes (22 66 53 00-0338)</b>		
22 66 53 00-0396 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	395.38	109.54
22 66 53 00-0397 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	570.33	121.20
22 66 53 00-0398 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	738.27	144.63
22 66 53 00-0399 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	1,301.00	172.21
22 66 53 00-0400 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	5,276.31	280.89
<b>22 66 53 00-0401 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes (22 66 53 00-0338)</b>		
22 66 53 00-0402 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	412.93	104.81
22 66 53 00-0403 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	444.16	112.52
22 66 53 00-0404 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	470.79	117.15
22 66 53 00-0405 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	527.34	128.62
22 66 53 00-0406 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	548.48	132.87
22 66 53 00-0407 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	677.61	137.02
22 66 53 00-0408 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	942.73	149.75
22 66 53 00-0409 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,140.09	153.43
22 66 53 00-0410 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,190.00	160.48
22 66 53 00-0411 EA 8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	3,050.20	226.60
22 66 53 00-0412 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	3,302.45	234.09
22 66 53 00-0413 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	4,072.96	246.07
<b>22 66 53 00-0414 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0338)</b>		
22 66 53 00-0415 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	488.53	109.35
22 66 53 00-0416 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	589.54	120.91
22 66 53 00-0417 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	900.73	144.73
22 66 53 00-0418 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	1,429.23	172.39
<b>22 66 53 00-0419 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0338)</b>		
22 66 53 00-0420 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	393.26	104.81
22 66 53 00-0421 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	463.84	112.52
22 66 53 00-0422 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	519.78	117.06
22 66 53 00-0423 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	561.77	128.62
22 66 53 00-0424 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	661.95	133.06
22 66 53 00-0425 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	761.18	136.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0426 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	1,006.62	149.75
22 66 53 00-0427 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	1,282.80	153.52
22 66 53 00-0428 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	1,411.75	160.75
<b>22 66 53 00-0429 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers (22 66 53 00-0338)</b>		
22 66 53 00-0430 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer .....	240.94	68.85
22 66 53 00-0431 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer .....	266.36	72.70
22 66 53 00-0432 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	301.68	76.56
22 66 53 00-0433 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	515.88	84.85
22 66 53 00-0434 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	541.36	88.81
22 66 53 00-0435 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	586.63	95.96
22 66 53 00-0436 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary.....	779.62	103.29
22 66 53 00-0437 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	1,140.28	140.49
22 66 53 00-0438 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	1,212.25	152.38
<b>22 66 53 00-0439 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increases (22 66 53 00-0338)</b>		
22 66 53 00-0440 EA 2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser .....	664.09	160.73
22 66 53 00-0441 EA 2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser .....	919.89	160.73
22 66 53 00-0442 EA 3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser .....	942.84	160.73
22 66 53 00-0443 EA 4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser .....	1,034.05	214.00
<b>22 66 53 00-0444 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps (22 66 53 00-0338)</b>		
22 66 53 00-0445 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	827.76	73.09
22 66 53 00-0446 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	1,005.97	80.41
22 66 53 00-0447 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	1,226.55	96.23
22 66 53 00-0448 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	3,758.50	115.02
<b>22 66 53 00-0449 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs (22 66 53 00-0338)</b>		
22 66 53 00-0450 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	380.12	73.09
22 66 53 00-0451 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	489.46	80.41
22 66 53 00-0452 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	685.45	96.23
22 66 53 00-0453 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	889.83	115.02
22 66 53 00-0454 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	1,785.25	160.48
<b>22 66 53 00-0455 Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings (22 66 53 00-0328)</b>		
Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0456 LB Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	6.03	
22 66 53 00-0457 LB Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings .....	90.18	
<b>22 66 53 00-0458 Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)</b>		
Note: ASTM A518.		
<b>22 66 53 00-0459 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe (22 66 53 00-0458)</b>		
22 66 53 00-0460 LF 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	113.68	6.46
22 66 53 00-0461 LF 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	129.52	7.14
22 66 53 00-0462 LF 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	179.37	8.96
22 66 53 00-0463 LF 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	227.08	10.41
<b>22 66 53 00-0464 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings (22 66 53 00-0458)</b>		
<b>22 66 53 00-0465 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps (22 66 53 00-0464)</b>		
22 66 53 00-0466 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	396.53	51.20
22 66 53 00-0467 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	426.20	57.85
22 66 53 00-0468 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	597.40	63.83
22 66 53 00-0469 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	720.76	77.13
<b>22 66 53 00-0470 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends (22 66 53 00-0464)</b>		
22 66 53 00-0471 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend .....	204.69	51.20
22 66 53 00-0472 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	248.21	57.27
22 66 53 00-0473 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	327.19	64.03
22 66 53 00-0474 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	434.58	76.56
22 66 53 00-0475 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend .....	243.44	54.09

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 66 53 00-0476 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0477 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	204.69	51.20
22 66 53 00-0478 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	248.21	57.27
22 66 53 00-0479 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	327.19	64.03
22 66 53 00-0480 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	434.58	76.56
<b>22 66 53 00-0481 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0482 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	248.96	51.20
22 66 53 00-0483 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	317.08	57.27
22 66 53 00-0484 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	509.20	64.03
22 66 53 00-0485 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	567.40	76.56
<b>22 66 53 00-0486 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0487 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	239.12	51.20
22 66 53 00-0488 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	287.56	57.27
22 66 53 00-0489 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	464.92	64.03
22 66 53 00-0490 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	523.13	76.56
<b>22 66 53 00-0491 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0492 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	361.47	77.04
<b>22 66 53 00-0493 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0494 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee .....	282.76	77.04
22 66 53 00-0495 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee .....	356.38	86.78
22 66 53 00-0496 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee .....	484.41	96.71
22 66 53 00-0497 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee .....	758.93	115.80
<b>22 66 53 00-0498 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0499 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	331.81	83.50
22 66 53 00-0500 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	415.36	90.06
22 66 53 00-0501 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee.....	444.72	93.23
22 66 53 00-0502 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	473.94	102.88
22 66 53 00-0503 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	527.55	105.78
22 66 53 00-0504 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	576.63	108.95
<b>22 66 53 00-0505 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0506 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	283.14	77.33
22 66 53 00-0507 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	336.70	86.78
22 66 53 00-0508 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	464.73	96.71
22 66 53 00-0509 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	758.93	115.80
<b>22 66 53 00-0510 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0511 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	317.70	83.98
22 66 53 00-0512 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	400.57	89.96
22 66 53 00-0513 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	420.55	93.53
22 66 53 00-0514 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	474.40	103.18
22 66 53 00-0515 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	528.42	106.35
22 66 53 00-0516 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	562.28	109.24
<b>22 66 53 00-0517 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0518 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	434.78	102.97
22 66 53 00-0519 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	567.23	115.90
22 66 53 00-0520 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	743.17	128.24
22 66 53 00-0521 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	978.86	154.18
22 66 53 00-0522 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	483.28	109.05
22 66 53 00-0523 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	547.02	115.52
22 66 53 00-0524 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	664.87	121.88
22 66 53 00-0525 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	733.59	134.99
22 66 53 00-0526 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	901.27	141.84
<b>22 66 53 00-0527 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses</b> <small>(22 66 53 00-0464)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0528 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	493.75	102.97
22 66 53 00-0529 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	586.68	115.71
22 66 53 00-0530 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	872.16	128.91
22 66 53 00-0531 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	1,239.82	154.37
22 66 53 00-0532 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	532.42	109.05
22 66 53 00-0533 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	719.15	115.52
22 66 53 00-0534 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	758.27	121.88
22 66 53 00-0535 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	807.33	134.89
22 66 53 00-0536 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	1,053.01	141.25
<b>22 66 53 00-0537 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0538 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	321.73	76.75
22 66 53 00-0539 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	376.06	86.78
22 66 53 00-0540 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	464.73	96.71
22 66 53 00-0541 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	813.03	115.80
<b>22 66 53 00-0542 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0543 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	356.48	83.60
22 66 53 00-0544 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	400.96	90.25
22 66 53 00-0545 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	440.23	93.53
22 66 53 00-0546 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	617.06	103.18
22 66 53 00-0547 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	631.72	106.35
22 66 53 00-0548 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	714.77	109.24
<b>22 66 53 00-0549 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0550 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend .....	527.97	102.78
22 66 53 00-0551 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend .....	675.13	115.61
22 66 53 00-0552 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend .....	1,004.28	128.53
22 66 53 00-0553 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend .....	1,205.89	154.66
<b>22 66 53 00-0554 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0555 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	576.70	109.05
22 66 53 00-0556 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	704.37	115.41
22 66 53 00-0557 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	733.67	121.88
22 66 53 00-0558 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	817.17	134.89
22 66 53 00-0559 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	1,053.01	141.25
<b>22 66 53 00-0560 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0561 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	244.25	54.67
22 66 53 00-0562 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	278.58	57.85
22 66 53 00-0563 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	327.47	67.50
22 66 53 00-0564 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	401.11	64.12
22 66 53 00-0565 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	425.60	67.30
22 66 53 00-0566 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	450.09	70.48
<b>22 66 53 00-0567 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0568 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee .....	229.82	45.02
22 66 53 00-0569 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee .....	268.19	50.91
22 66 53 00-0570 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee .....	317.59	57.66
22 66 53 00-0571 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee .....	607.02	70.20
<b>22 66 53 00-0572 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0573 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug .....	97.43	25.65
22 66 53 00-0574 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug .....	116.73	28.64
22 66 53 00-0575 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug .....	126.71	32.01
22 66 53 00-0576 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug .....	165.64	38.28

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 66 53 00-0577 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps</b> (22 66 53 00-0464)		
22 66 53 00-0578 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	445.27	50.91
22 66 53 00-0579 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	454.81	57.27
22 66 53 00-0580 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	568.22	64.03
22 66 53 00-0581 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	729.73	76.56
22 66 53 00-0582 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	632.98	54.76
22 66 53 00-0583 EA 2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	883.67	61.13
22 66 53 00-0584 EA 3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	1,075.15	67.50
22 66 53 00-0585 EA 4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	1,340.45	80.41
<b>22 66 53 00-0586 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps</b> (22 66 53 00-0464)		
22 66 53 00-0587 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	859.43	58.14
22 66 53 00-0588 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	1,380.31	64.31
22 66 53 00-0589 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	898.43	57.85
22 66 53 00-0590 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	1,380.31	64.31
<b>22 66 53 00-0591 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps</b> (22 66 53 00-0464)		
22 66 53 00-0592 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap.....	795.13	57.85
22 66 53 00-0593 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap.....	937.59	64.31
22 66 53 00-0594 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap.....	927.95	57.85
22 66 53 00-0595 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	2,093.58	64.31
22 66 53 00-0596 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	1,222.90	64.31
<b>22 66 53 00-0597 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends</b> (22 66 53 00-0464)		
22 66 53 00-0598 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	308.33	51.49
22 66 53 00-0599 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	411.44	57.85
<b>22 66 53 00-0600 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters</b> (22 66 53 00-0464)		
22 66 53 00-0601 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	146.39	38.57
22 66 53 00-0602 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	293.88	41.85
22 66 53 00-0603 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	200.22	48.21
<b>22 66 53 00-0604 Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter</b> (22 66 53 00-0464)		
22 66 53 00-0605 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	288.91	54.86
22 66 53 00-0606 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	317.93	57.85
22 66 53 00-0607 EA 1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	357.18	61.03
22 66 53 00-0608 EA 1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	381.33	67.30
22 66 53 00-0609 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	357.23	61.13
22 66 53 00-0610 EA 2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	376.76	64.31
22 66 53 00-0611 EA 2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	405.82	70.48
22 66 53 00-0612 EA 3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	470.17	67.50
22 66 53 00-0613 EA 4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter.....	582.93	80.41
<b>22 66 53 00-0614 Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings</b> (22 66 53 00-0464)		
22 66 53 00-0615 EA 1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	118.06	
22 66 53 00-0616 EA 2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	137.74	
22 66 53 00-0617 EA 3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	147.57	
22 66 53 00-0618 EA 4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	162.33	
<b>22 66 53 00-0619 Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings</b> (22 66 53 00-0464)		
22 66 53 00-0620 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet.....	850.22	25.75
22 66 53 00-0621 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper.....	319.36	12.82
22 66 53 00-0622 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow.....	604.67	12.82
<b>22 66 53 00-0623 Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates</b> (22 66 53 00-0464)		
22 66 53 00-0624 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer.....	3,016.41	128.62
22 66 53 00-0625 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer.....	3,744.24	135.08
22 66 53 00-0626 EA Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain.....	2,587.06	12.82
<b>22 66 83 Chemical-Waste Tanks</b> (22 66)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 66 83 16 Chemical-Waste Neutralization Tanks</b> <small>(22 66 83)</small>		
22 66 83 16-0001 Acid Neutralization Tank <small>(22 66 83 16)</small>		
22 66 83 16-0002 Polyethylene Acid Neutralization Tank <small>(22 66 83 16-0001)</small>		
22 66 83 16-0003 EA 5 Gallon Capacity Polyethylene Acid Neutralization Tank .....	489.23	196.31
22 66 83 16-0004 EA 15 Gallon Capacity Polyethylene Acid Neutralization Tank .....	887.76	272.21
22 66 83 16-0005 EA 30 Gallon Capacity Polyethylene Acid Neutralization Tank .....	1,103.58	392.61
22 66 83 16-0006 EA 55 Gallon Capacity Polyethylene Acid Neutralization Tank .....	1,416.60	523.49
22 66 83 16-0007 EA 100 Gallon Capacity Polyethylene Acid Neutralization Tank .....	1,819.56	628.18
22 66 83 16-0008 EA 150 Gallon Capacity Polyethylene Acid Neutralization Tank .....	2,489.61	785.23
22 66 83 16-0009 EA 200 Gallon Capacity Polyethylene Acid Neutralization Tank .....	2,872.69	981.54
22 66 83 16-0010 EA 275 Gallon Capacity Polyethylene Acid Neutralization Tank .....	3,731.56	1,177.84
22 66 83 16-0011 EA 350 Gallon Capacity Polyethylene Acid Neutralization Tank .....	4,235.24	1,413.41
22 66 83 16-0012 Polypropylene Acid Neutralization Tank <small>(22 66 83 16-0001)</small>		
22 66 83 16-0013 EA 5 Gallon Capacity Polypropylene Acid Neutralization Tank .....	807.71	196.31
22 66 83 16-0014 EA 15 Gallon Capacity Polypropylene Acid Neutralization Tank .....	1,392.01	272.21
22 66 83 16-0015 EA 30 Gallon Capacity Polypropylene Acid Neutralization Tank .....	2,504.10	392.61
22 66 83 16-0016 EA 55 Gallon Capacity Polypropylene Acid Neutralization Tank .....	3,299.17	523.49
22 66 83 16-0017 EA 100 Gallon Capacity Polypropylene Acid Neutralization Tank .....	4,181.91	628.18
22 66 83 16-0018 EA 150 Gallon Capacity Polypropylene Acid Neutralization Tank .....	4,207.11	785.23
22 66 83 16-0019 EA 200 Gallon Capacity Polypropylene Acid Neutralization Tank .....	4,582.61	981.54
22 66 83 16-0020 EA 275 Gallon Capacity Polypropylene Acid Neutralization Tank .....	6,717.31	1,177.84
22 66 83 16-0021 EA 350 Gallon Capacity Polypropylene Acid Neutralization Tank .....	7,260.78	1,413.41
22 66 83 16-0022 Chemical Dilution Trap <small>(22 66 83 16)</small>		
22 66 83 16-0023 EA 1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap .....	489.46	65.44
Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0024 EA 1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap .....	505.78	65.44
Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0025 EA 2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap .....	522.10	65.44
Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0026 EA 5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap .....	569.88	78.52
Note: 1-1/2" top inlet and side outlet with anti siphon.		

**END OF SECTION 22**

**22 Plumbing**

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

### 23 01 Operation and Maintenance of HVAC Systems <sup>(23)</sup>

#### 23 01 10 Operation and Maintenance of Facility Fuel Systems <sup>(23 01)</sup>

##### 23 01 10 91 Facility Fuel Systems Restoration <sup>(23 01 10)</sup>

23 01 10 91-0001	Professional Certification For Hospital <sup>(23 01 10 91)</sup>	
23 01 10 91-0002	HR Hospital/Lab Certification - Oxygen, Air, Water Lines, Medical Gases, Nitrogen And Vacuum .....	170.86

##### 23 01 10 91-0003 Purge Gas Systems <sup>(23 01 10 91)</sup>

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0004	EA Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	483.79
23 01 10 91-0005	EA >100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	691.19
23 01 10 91-0006	EA >250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	726.31
23 01 10 91-0007	EA >500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	801.74
23 01 10 91-0008	EA >1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	1,452.34
23 01 10 91-0009	EA Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	651.21
23 01 10 91-0010	EA >100' To 250', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	936.83
23 01 10 91-0011	EA >250' To 500', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	994.37
23 01 10 91-0012	EA >500' To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,117.03
23 01 10 91-0013	EA >1,000' To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	2,032.56
23 01 10 91-0014	EA Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems.....	776.97
23 01 10 91-0015	EA >100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems.....	1,150.30
23 01 10 91-0016	EA >250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems.....	2,645.67
23 01 10 91-0017	EA >500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	4,146.77
23 01 10 91-0018	EA >1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	7,800.86

#### 23 01 20 Operation and Maintenance of HVAC Piping and Pumps <sup>(23 01)</sup>

##### 23 01 20 91 HVAC Piping and Pumps Restoration <sup>(23 01 20)</sup>

23 01 20 91-0001	Lock Out/Tag Out System <sup>(23 01 20 91)</sup>	
23 01 20 91-0002	EA Up To 1", Lock Out/Tag Out Valve.....	26.17
	Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0003	EA >1" To 3", Lock Out/Tag Out Valve.....	31.41
	Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0004	EA >3" To 6", Lock Out/Tag Out Valve.....	36.65
	Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0005	EA >6" To 10", Lock Out/Tag Out Valve.....	41.88
	Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0006	EA >10" To 14", Lock Out/Tag Out Valve.....	52.35
	Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0007	EA Lock Out Padlock.....	10.47
23 01 20 91-0008	EA Lock Out Tags .....	4.36

##### 23 01 20 91-0009 Freeze Pipe Using CO2 Kit <sup>(23 01 20 91)</sup>

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA Up To 2" Freeze Pipe Using CO2 Kit.....	345.51
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##### 23 01 20 91-0011 Pipe Freezing <sup>(23 01 20 91)</sup>

Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA Up To 1" Pipe Freezing, First Location .....	762.02
	Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0013	EA Up To 1" Pipe Freezing, Each Additional Location After First.....	337.49
	Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0014	EA >1" To 1-1/2" Pipe Freezing, First Location .....	927.46
	Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0015	EA >1" To 1-1/2" Pipe Freezing, Each Additional Location After First.....	387.45
	Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0016	EA >1-1/2" To 2" Pipe Freezing, First Location .....	1,313.01
	Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0017	EA >1-1/2" To 2" Pipe Freezing, Each Additional Location After First.....	437.57
	Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0018	EA >2" To 3" Pipe Freezing, First Location .....	1,500.46
	Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0019	EA >2" To 3" Pipe Freezing, Each Additional Location After First.....	524.94
	Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0020	EA >3" To 4" Pipe Freezing, First Location .....	2,257.35
	Note: Includes freezing on each side of valve or fitting.	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 01 20 91-0021	EA	>3" To 4" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	603.26
23 01 20 91-0022	EA	>4" To 6" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	4,867.41
23 01 20 91-0023	EA	>4" To 6" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	835.55
23 01 20 91-0024	EA	>6" To 8" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	6,474.73
23 01 20 91-0025	EA	>6" To 8" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,267.18
23 01 20 91-0026	EA	>8" To 10" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	8,979.27
23 01 20 91-0027	EA	>8" To 10" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,770.08
23 01 20 91-0028	EA	>10" To 12" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	11,598.99
23 01 20 91-0029	EA	>10" To 12" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	2,344.17
<b>23 01 20 91-0030</b>		<b>Water/Chlorine Pipe Disinfection/Flush/Testing</b> <small>(23 01 20 91)</small> Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".	
23 01 20 91-0031	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	1.77 -0.13 -0.33 -0.47
23 01 20 91-0032	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	2.46 -0.17 -0.44 -0.63
23 01 20 91-0033	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	3.83 -0.26 -0.65 -0.95
23 01 20 91-0034	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	5.34 -0.35 -0.87 -1.26
23 01 20 91-0035	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	6.64 -0.42 -1.05 -1.52
23 01 20 91-0036	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	8.43 -0.52 -1.31 -1.90
23 01 20 91-0037	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	11.05 -0.70 -1.75 -2.53
23 01 20 91-0038	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	13.27 -0.84 -2.09 -3.04
<b>23 01 20 91-0039</b>		<b>Shut Down Existing Piping System</b> <small>(23 01 20 91)</small>	
23 01 20 91-0040	EA	Shut Down Existing Interior Piping System Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	221.73
<b>23 01 20 91-0041</b>		<b>Purge Liquid Systems</b> <small>(23 01 20 91)</small> Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.	
23 01 20 91-0042	EA	Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System	165.50
23 01 20 91-0043	EA	>50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System	206.87
23 01 20 91-0044	EA	>100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System	295.27
23 01 20 91-0045	EA	>250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System	353.82
23 01 20 91-0046	EA	>500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System	442.28
23 01 20 91-0047	EA	>1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	574.97
23 01 20 91-0048	LF	>2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	0.29
23 01 20 91-0049	EA	Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	344.64
23 01 20 91-0050	EA	>100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	492.22
23 01 20 91-0051	EA	>250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	589.77
23 01 20 91-0052	EA	>500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	737.22
23 01 20 91-0053	EA	>1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	958.38
23 01 20 91-0054	LF	>2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	0.48
23 01 20 91-0055	EA	Up To 100', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	482.50
23 01 20 91-0056	EA	>100 To 250', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	689.11
23 01 20 91-0057	EA	>250 To 500', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	825.69
23 01 20 91-0058	EA	>500 To 1,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,032.10
23 01 20 91-0059	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,341.74
23 01 20 91-0060	LF	>2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	0.68
23 01 20 91-0061	EA	Up To 100', >3" To 6" Diameter Pipe, Purge Liquid System	663.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0062 EA >100 To 250', >3" To 6" Diameter Pipe, Purge Liquid System .....	947.53	
23 01 20 91-0063 EA >250 To 500', >3" To 6" Diameter Pipe, Purge Liquid System .....	1,005.96	
23 01 20 91-0064 EA >500 To 1,000', >3" To 6" Diameter Pipe, Purge Liquid System .....	1,257.45	
23 01 20 91-0065 EA >1,000 To 2,000', >3" To 6" Diameter Pipe, Purge Liquid System.....	1,634.68	
23 01 20 91-0066 LF >2,000', >3" To 6" Diameter Pipe, Purge Liquid System.....	0.82	
23 01 20 91-0067 EA Up To 100', >6" To 10" Diameter Pipe, Purge Liquid System .....	895.64	
23 01 20 91-0068 EA >100 To 250', >6" To 10" Diameter Pipe, Purge Liquid System .....	1,279.15	
23 01 20 91-0069 EA >250 To 500', >6" To 10" Diameter Pipe, Purge Liquid System .....	1,358.05	
23 01 20 91-0070 EA >500 To 1,000', >6" To 10" Diameter Pipe, Purge Liquid System.....	1,697.55	
23 01 20 91-0071 EA >1,000 To 2,000', >6" To 10" Diameter Pipe, Purge Liquid System.....	2,206.82	
23 01 20 91-0072 LF >2,000', >6" To 10" Diameter Pipe, Purge Liquid System.....	1.10	
 <b>23 01 20 91-0073 Special Cleaning Of Piping Systems (23 01 20 91)</b>		
<b>23 01 20 91-0074 Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing (23 01 20 91-0073)</b>		
23 01 20 91-0075 LF Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	2.31	
<i>For &gt;250 To 500, Deduct</i>	-0.15	
<i>For &gt;500 To 2000, Deduct</i>	-0.37	
<i>For &gt;2000, Deduct</i>	-0.54	
23 01 20 91-0076 LF >1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	3.88	
<i>For &gt;250 To 500, Deduct</i>	-0.24	
<i>For &gt;500 To 2000, Deduct</i>	-0.60	
<i>For &gt;2000, Deduct</i>	-0.87	
23 01 20 91-0077 LF >2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	5.46	
<i>For &gt;250 To 500, Deduct</i>	-0.33	
<i>For &gt;500 To 2000, Deduct</i>	-0.83	
<i>For &gt;2000, Deduct</i>	-1.20	
23 01 20 91-0078 LF >3" To 4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	7.08	
<i>For &gt;250 To 500, Deduct</i>	-0.43	
<i>For &gt;500 To 2000, Deduct</i>	-1.07	
<i>For &gt;2000, Deduct</i>	-1.55	
23 01 20 91-0079 LF >4" To 6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	9.81	
<i>For &gt;250 To 500, Deduct</i>	-0.60	
<i>For &gt;500 To 2000, Deduct</i>	-1.50	
<i>For &gt;2000, Deduct</i>	-2.17	
 <b>23 01 20 91-0080 Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing (23 01 20 91-0073)</b>		
23 01 20 91-0081 LF Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	2.54	
<i>For &gt;250 To 500, Deduct</i>	-0.15	
<i>For &gt;500 To 2000, Deduct</i>	-0.37	
<i>For &gt;2000, Deduct</i>	-0.54	
23 01 20 91-0082 LF >1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	4.17	
<i>For &gt;250 To 500, Deduct</i>	-0.24	
<i>For &gt;500 To 2000, Deduct</i>	-0.60	
<i>For &gt;2000, Deduct</i>	-0.87	
23 01 20 91-0083 LF >2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	5.87	
<i>For &gt;250 To 500, Deduct</i>	-0.33	
<i>For &gt;500 To 2000, Deduct</i>	-0.83	
<i>For &gt;2000, Deduct</i>	-1.20	
23 01 20 91-0084 LF >3" To 4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	7.69	
<i>For &gt;250 To 500, Deduct</i>	-0.43	
<i>For &gt;500 To 2000, Deduct</i>	-1.07	
<i>For &gt;2000, Deduct</i>	-1.55	
23 01 20 91-0085 LF >4" To 6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	10.62	
<i>For &gt;250 To 500, Deduct</i>	-0.60	
<i>For &gt;500 To 2000, Deduct</i>	-1.50	
<i>For &gt;2000, Deduct</i>	-2.17	
 <b>23 01 20 91-0086 Drewspers 4945/4395 Pipe Disinfection/Flush/Testing (23 01 20 91-0073)</b>		
23 01 20 91-0087 LF Up To 1", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing.....	2.61	
<i>For &gt;250 To 500, Deduct</i>	-0.15	
<i>For &gt;500 To 2000, Deduct</i>	-0.37	
<i>For &gt;2000, Deduct</i>	-0.54	
23 01 20 91-0088 LF >1" To 2", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing.....	4.29	
<i>For &gt;250 To 500, Deduct</i>	-0.24	
<i>For &gt;500 To 2000, Deduct</i>	-0.60	
<i>For &gt;2000, Deduct</i>	-0.87	
23 01 20 91-0089 LF >2" To 3", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing.....	6.04	
<i>For &gt;250 To 500, Deduct</i>	-0.33	
<i>For &gt;500 To 2000, Deduct</i>	-0.83	
<i>For &gt;2000, Deduct</i>	-1.20	
23 01 20 91-0090 LF >3" To 4", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing.....	7.93	
<i>For &gt;250 To 500, Deduct</i>	-0.43	
<i>For &gt;500 To 2000, Deduct</i>	-1.07	
<i>For &gt;2000, Deduct</i>	-1.55	
23 01 20 91-0091 LF >4" To 6", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing.....	10.93	
<i>For &gt;250 To 500, Deduct</i>	-0.60	
<i>For &gt;500 To 2000, Deduct</i>	-1.50	
<i>For &gt;2000, Deduct</i>	-2.17	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

<b>23 01 20 91-0092</b>	<b>Add-A-Valve Emergency Shut Off Device</b> <small>(23 01 20 91)</small>	
23 01 20 91-0093	EA 1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD) .....	372.73
23 01 20 91-0094	EA 3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD) .....	469.82
23 01 20 91-0095	EA 1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD) .....	653.34
23 01 20 91-0096	EA 1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD) .....	1,004.35
23 01 20 91-0097	EA 1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD) .....	1,241.58
23 01 20 91-0098	EA 2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD) .....	1,881.31

**23 01 30 Operation and Maintenance of HVAC Air Distribution** (23 01)**23 01 30 51 HVAC Air-Distribution System Cleaning** (23 01 30)

<b>23 01 30 51-0001</b>	<b>Cleaning Of Ductwork And HVAC Equipment</b> <small>(23 01 30 51)</small>	
23 01 30 51-0002	LF Up To 2 SF Cross Section, Clean Supply/Return Ductwork .....	3.50
	Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
	<i>For Exhaust Ductwork, Add</i> .....	0.88
23 01 30 51-0003	LF >2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork .....	4.39
	Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
	<i>For Exhaust Ductwork, Add</i> .....	1.10
23 01 30 51-0004	LF >4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork .....	5.90
	Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
	<i>For Exhaust Ductwork, Add</i> .....	1.48
23 01 30 51-0005	LF >8 SF Cross Section, Clean Supply/Return Ductwork .....	8.36
	Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
	<i>For Exhaust Ductwork, Add</i> .....	2.09
23 01 30 51-0006	SF Clean Duct Dampers .....	11.77
23 01 30 51-0007	SF Clean Duct Fire Dampers .....	23.54
23 01 30 51-0008	SF Clean Louver .....	9.42
23 01 30 51-0009	EA Clean Turning Vane Set .....	28.26
23 01 30 51-0010	EA Clean Grille/Diffuser/Register .....	28.26
	Note: Includes removal and reinstallation.	
23 01 30 51-0011	LF Clean Linear Diffuser .....	7.07
	Note: Includes removal and reinstallation.	
23 01 30 51-0012	EA Cut Access For Cleaning Duct And Install Duct Insulated Access Doors .....	106.89
	<i>For Stainless Steel, Add</i> .....	86.86
23 01 30 51-0013	EA Clean Variable Air Volume (VAV) Unit .....	84.77
23 01 30 51-0014	EA Clean Fan Powered Induction Unit (PIU) Unit .....	113.03
23 01 30 51-0015	EA Clean Fan Coil Unit (FCU) .....	113.03
23 01 30 51-0016	EA Clean Packaged Terminal Air Conditioning Unit .....	113.03
23 01 30 51-0017	EA Clean Supply Or Return Fan .....	226.07
23 01 30 51-0018	EA Clean Exhaust Fan .....	197.82
23 01 30 51-0019	EA Clean Duct Coil .....	169.56
23 01 30 51-0020	SF Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum .....	5.65
	Note: Excluding fan and coils.	
23 01 30 51-0021	EA Clean Air Handling Unit Fan .....	226.07
23 01 30 51-0022	EA Clean Air Handling Unit Coil .....	339.11
23 01 30 51-0023	SF Clean Equipment Surfaces, Rust Reform And Prime .....	3.14
23 01 30 51-0024	SF Clean Interior Equipment Surfaces, Rust Reform And Prime .....	3.71
23 01 30 51-0025	SF High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms .....	0.61
23 01 30 51-0026	EA Cleaning Of Ductwork Minimum Set-up Charge .....	796.25
	Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
23 01 30 51-0027	SF Apply Antimicrobial Agent To Ductwork And Surfaces After Cleaning .....	0.51

**23 01 30 61 HVAC Air-Distribution Duct Repair** (23 01 30)

<b>23 01 30 61-0001</b>	<b>Repair And Seal Ductwork</b> <small>(23 01 30 61)</small>	
	Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.	
23 01 30 61-0002	SF Repair And Sealing Of Ductwork .....	2.14
	Note: Clean, apply sealant and tape	

**23 01 50 Operation and Maintenance of Central Heating Equipment** (23 01)**23 01 50 61 Central Heating Equipment Repair** (23 01 50)

<b>23 01 50 61-0001</b>	<b>Boiler Repairs</b> <small>(23 01 50 61)</small>	
<b>23 01 50 61-0002</b>	<b>Setup And Maintenance</b> <small>(23 01 50 61-0001)</small>	
23 01 50 61-0003	EA Set-up Charge For Boiler Fire Side Maintenance .....	2,268.42
	Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	
23 01 50 61-0004	EA Close-up Charge For Boiler Fire Side Maintenance .....	2,496.47
	Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	
	<i>For Burner Seals, Add</i> .....	626.84
	Note: Used when burner must be removed from door for maintenance.	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0005 EA Setup Charge For Boiler Water Side Maintenance .....3,024.56 Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	3,024.56	
23 01 50 61-0006 EA Up To 100 HP, Hydrostatic Test - Boiler Maintenance .....1,512.28 Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	1,512.28	
23 01 50 61-0007 EA >100 HP, Hydrostatic Test - Boiler Maintenance .....3,024.56 Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	3,024.56	
23 01 50 61-0008 EA Removal And Replacement Of Handhole .....94.52	94.52	
23 01 50 61-0009 EA Removal And Replacement Of Manhole.....283.55	283.55	
23 01 50 61-0010 SF Sheet Metal Jacket Patch .....10.72	10.72	
<b>23 01 50 61-0011 Boiler Tube Replacement (23 01 50 61-0001)</b>		
23 01 50 61-0012 EA Removal Of Up To 2" Boiler Tube.....226.84	226.84	
23 01 50 61-0013 EA Removal Of >2" To 3" Boiler Tube.....283.56	283.56	
23 01 50 61-0014 EA Removal Of >3" To 4" Boiler Tube.....396.97	396.97	
23 01 50 61-0015 LF Place 1-1/2" Boiler Tube Into Position For Termination.....8.91 Note: Includes black steel tube, fasteners and accessories.	8.91	
23 01 50 61-0016 LF Place 2" Boiler Tube Into Position For Termination .....10.39 Note: Includes black steel tube, fasteners and accessories.	10.39	
23 01 50 61-0017 LF Place 2-1/2" Boiler Tube Into Position For Termination .....11.88 Note: Includes black steel tube, fasteners and accessories.	11.88	
23 01 50 61-0018 LF Place 3" Boiler Tube Into Position For Termination .....17.16 Note: Includes black steel tube, fasteners and accessories.	17.16	
23 01 50 61-0019 LF Place 3-1/2" Boiler Tube Into Position For Termination .....20.13 Note: Includes black steel tube, fasteners and accessories.	20.13	
23 01 50 61-0020 LF Place 4" Boiler Tube Into Position For Termination .....25.83 Note: Includes black steel tube, fasteners and accessories.	25.83	
23 01 50 61-0021 EA 1-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....28.35	28.35	
23 01 50 61-0022 EA 2" Rolled Boiler Tube Termination (2 Per New Tube).....42.54	42.54	
23 01 50 61-0023 EA 2-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....56.71	56.71	
23 01 50 61-0024 EA 3" Rolled Boiler Tube Termination (2 Per New Tube).....70.89	70.89	
23 01 50 61-0025 EA 3-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....85.06	85.06	
23 01 50 61-0026 EA 4" Rolled Boiler Tube Termination (2 Per New Tube).....99.24	99.24	
23 01 50 61-0027 EA 1-1/2" Welded Boiler Tube Termination (2 Per New Tube).....85.06	85.06	
23 01 50 61-0028 EA 2" Welded Boiler Tube Termination (2 Per New Tube).....113.42	113.42	
23 01 50 61-0029 EA 2-1/2" Welded Boiler Tube Termination (2 Per New Tube).....141.78	141.78	
23 01 50 61-0030 EA 3" Welded Boiler Tube Termination (2 Per New Tube).....170.14	170.14	
23 01 50 61-0031 EA 3-1/2" Welded Boiler Tube Termination (2 Per New Tube).....198.48	198.48	
23 01 50 61-0032 EA 4" Welded Boiler Tube Termination (2 Per New Tube).....226.84	226.84	
23 01 50 61-0033 EA Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced.....370.12	370.12	
<b>23 01 50 61-0034 Cast Iron Boiler Section Replacement (23 01 50 61-0001)</b>		
23 01 50 61-0035 EA Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler.....2,576.58	2,576.58	
23 01 50 61-0036 EA Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler .....1,791.69	1,791.69	
23 01 50 61-0037 EA Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler .....2,214.15	2,214.15	
23 01 50 61-0038 EA Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler.....4,776.73	4,776.73	
23 01 50 61-0039 EA Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler .....3,557.66	3,557.66	
23 01 50 61-0040 EA Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler .....4,083.49	4,083.49	
23 01 50 61-0041 EA Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler.....7,790.35	7,790.35	
23 01 50 61-0042 EA Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler .....6,116.84	6,116.84	
23 01 50 61-0043 EA Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler .....6,473.20	6,473.20	
<b>23 01 50 61-0044 Cast Iron Grate Replacement (23 01 50 61-0001)</b>		
23 01 50 61-0045 SF Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold .....137.14 Note: Includes support, linkages and removal of existing.	137.14	
23 01 50 61-0046 EA Prepare Cast Iron Boiler Grate Mold.....2,086.40 Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	2,086.40	
<b>23 01 50 61-0047 Replacement Or Conversion Of Boiler Burners (23 01 50 61-0001)</b>		
Note: Includes mounting plate, mechanical and electrical labor for installation of burners.		
23 01 50 61-0048 EA 700 MBH Max Input Burner With 2" Boiler Connection, Screwed.....10,148.10	10,148.10	1,027.75
23 01 50 61-0049 EA 2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed.....14,694.00	14,694.00	1,272.43
23 01 50 61-0050 EA 2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed.....17,346.90	17,346.90	1,541.51
23 01 50 61-0051 EA 3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged.....20,501.75	20,501.75	1,659.25
<b>23 01 50 61-0052 Video Inspection Of Boiler Tubing (23 01 50 61-0001)</b>		
23 01 50 61-0053 EA Initial Set Up For Boiler Tubing Video Camera Inspection.....443.02	443.02	
23 01 50 61-0054 LF Boiler Tubing Inspection .....0.54	0.54	
<b>23 01 50 61-0055 Boiler And Chiller Water Treatment (23 01 50 61)</b>		
Note: 3 LB chemical per 50 gallon system water.		
23 01 50 61-0056 LB Boil Out Boiler And System With Caustic Soda .....1.63 Note: Includes disposal after treatment.	1.63	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 01 Operation and Maintenance of HVAC Systems**

**23 01 50 Operation and Maintenance of Central Heating Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 01 50 61-0057	LB		Boil Out Boiler And System With Trisodium Phosphate..... Note: Includes disposal after treatment.	2.44	
23 01 50 61-0058	GAL		Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required.....	152.67	

**23 01 50 91 Central Heating Equipment Restoration (23 01 50)**

**23 01 50 91-0001 Boiler Controllers (23 01 50 91)**

23 01 50 91-0002	EA		Modulating Controller For Up To 4 Boilers/Heaters ..... For NEMA 4 Enclosure, Add	8,176.16 4,585.30	96.48
23 01 50 91-0003	EA		Staging Controller For Up To 4 Boiler/Heaters ..... For NEMA 3R Enclosure, Add	1,675.70 319.90	96.48

**23 01 60 Operation and Maintenance of Central Cooling Equipment (23 01)**

**23 01 60 61 Central Cooling Equipment Repair (23 01 60)**

**23 01 60 61-0001 Cooling Tower Repairs (23 01 60 61)**

23 01 60 61-0002	EA		Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade .....	3,358.22	
23 01 60 61-0003	EA		Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade .....	3,964.72	
23 01 60 61-0004	EA		Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade .....	4,566.77	
23 01 60 61-0005	EA		Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade .....	5,401.27	
23 01 60 61-0006	EA		Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade .....	5,956.85	
23 01 60 61-0007	EA		Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade .....	3,703.08	
23 01 60 61-0008	EA		Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade .....	4,128.05	
23 01 60 61-0009	EA		Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade .....	4,858.49	
23 01 60 61-0010	EA		Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade .....	5,544.67	
23 01 60 61-0011	EA		Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade .....	6,113.55	
23 01 60 61-0012	EA		Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan.....	922.55	
23 01 60 61-0013	EA		Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan.....	956.54	
23 01 60 61-0014	EA		Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan.....	1,021.55	
23 01 60 61-0015	EA		Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan.....	1,190.56	
23 01 60 61-0016	EA		Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan.....	1,476.89	
23 01 60 61-0017	EA		Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan.....	2,000.07	
23 01 60 61-0018	EA		Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan.....	2,102.68	
23 01 60 61-0019	EA		Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan.....	2,256.61	
23 01 60 61-0020	EA		Replace Counterflow Nozzle (1/2" - 2" NPT Thread) .....	37.56	
23 01 60 61-0021	EA		Replace 6' Polyvinyl Chloride (PVC) Splash Fill .....	22.05	

**23 01 60 71 Refrigerant Recovery/Recycling (23 01 60)**

**23 01 60 71-0001 Refrigerant Recovery, Reclaim And Recycling (23 01 60 71)**

23 01 60 71-0002	LB		Recovery Of Refrigerant .....	11.07	
23 01 60 71-0003	LB		Recovery And Recharging Of Refrigerant..... Note: Includes cleaning refrigerant gas prior to recharging.	20.77	

**23 05 Common Work Results for HVAC (23)**

**23 05 13 Common Motor Requirements for HVAC Equipment (23 05)**

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

**23 05 13 00-0001 Premium Efficient, Motors (23 05 13)**

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation.

**23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors (23 05 13 00-0001)**

Note: NEMA premium efficiency, open drip proof, three phase AC motors.

**23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)**

23 05 13 00-0004	EA		1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	672.37	
23 05 13 00-0005	EA		1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	761.34	
23 05 13 00-0006	EA		1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	892.60	
23 05 13 00-0007	EA		1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	749.67	
23 05 13 00-0008	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	796.34	
23 05 13 00-0009	EA		1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,044.29	
23 05 13 00-0010	EA		2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	880.93	
23 05 13 00-0011	EA		2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	853.22	
23 05 13 00-0012	EA		2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,067.62	
23 05 13 00-0013	EA		3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	892.60	
23 05 13 00-0014	EA		3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	920.31	
23 05 13 00-0015	EA		3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,359.32	
23 05 13 00-0016	EA		5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	974.28	
23 05 13 00-0017	EA		5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,007.82	
23 05 13 00-0018	EA		5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,780.83	
23 05 13 00-0019	EA		7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,546.01	
23 05 13 00-0020	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,481.84	
23 05 13 00-0021	EA		7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	2,135.24	
23 05 13 00-0022	EA		10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,767.70	
23 05 13 00-0023	EA		10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,793.96	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0024	EA		10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	2,778.44	
23 05 13 00-0025	EA		15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	2,511.54	
23 05 13 00-0026	EA		15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	2,540.71	
23 05 13 00-0027	EA		15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	3,746.89	
23 05 13 00-0028	EA		20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	2,950.55	
23 05 13 00-0029	EA		20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	3,189.74	
23 05 13 00-0030	EA		20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	4,560.73	
23 05 13 00-0031	EA		25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	3,542.70	
23 05 13 00-0032	EA		25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	3,888.36	
23 05 13 00-0033	EA		25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	5,508.75	
23 05 13 00-0034	EA		30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	4,180.06	
23 05 13 00-0035	EA		30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	4,251.53	
23 05 13 00-0036	EA		30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	5,746.49	
23 05 13 00-0037	EA		40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	5,386.24	
23 05 13 00-0038	EA		40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	5,546.68	
23 05 13 00-0039	EA		50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	5,866.09	
23 05 13 00-0040	EA		50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	6,121.32	
23 05 13 00-0041	EA		60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	7,422.31	
23 05 13 00-0042	EA		60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	7,706.71	
23 05 13 00-0043	EA		75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	9,736.95	
23 05 13 00-0044	EA		75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	9,459.83	
23 05 13 00-0045	EA		100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	10,407.86	
23 05 13 00-0046	EA		100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	11,005.84	
23 05 13 00-0047	EA		125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	13,062.33	
23 05 13 00-0048	EA		125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	13,501.33	
23 05 13 00-0049	EA		150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	16,113.51	
<b>23 05 13 00-0050</b>			<b>Cast Iron Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)</b>		
23 05 13 00-0051	EA		40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor .....	8,186.56	
23 05 13 00-0052	EA		50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor .....	9,910.51	
23 05 13 00-0053	EA		60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor .....	12,582.48	
23 05 13 00-0054	EA		75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor .....	14,008.89	
23 05 13 00-0055	EA		100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor .....	15,419.26	
23 05 13 00-0056	EA		125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor .....	16,651.69	
23 05 13 00-0057	EA		150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor .....	14,997.76	
23 05 13 00-0058	EA		150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor .....	19,610.99	
23 05 13 00-0059	EA		200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor .....	18,260.42	
23 05 13 00-0060	EA		200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor .....	18,741.72	
23 05 13 00-0061	EA		200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor .....	25,778.99	
<b>23 05 13 00-0062</b>			<b>Premium Efficient, TEFC Motors (23 05 13 00-0001)</b>		
Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.					
<b>23 05 13 00-0063</b>			<b>Steel Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)</b>		
23 05 13 00-0064	EA		1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor .....	786.13	
23 05 13 00-0065	EA		1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	866.35	
23 05 13 00-0066	EA		1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	1,031.16	
23 05 13 00-0067	EA		1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	891.14	
23 05 13 00-0068	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	899.89	
23 05 13 00-0069	EA		2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	975.74	
23 05 13 00-0070	EA		2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	933.44	
23 05 13 00-0071	EA		3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	1,082.21	
23 05 13 00-0072	EA		3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	1,031.16	
23 05 13 00-0073	EA		3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	1,655.40	
23 05 13 00-0074	EA		5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	1,200.35	
23 05 13 00-0075	EA		5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	1,128.88	
23 05 13 00-0076	EA		5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	1,869.80	
23 05 13 00-0077	EA		7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	1,798.33	
23 05 13 00-0078	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	1,627.69	
23 05 13 00-0079	EA		10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	1,823.12	
23 05 13 00-0080	EA		10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	1,837.71	
<b>23 05 13 00-0081</b>			<b>Cast Iron Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)</b>		
23 05 13 00-0082	EA		1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,121.59	
23 05 13 00-0083	EA		1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,255.77	
23 05 13 00-0084	EA		1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,184.30	
23 05 13 00-0085	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,162.42	
23 05 13 00-0086	EA		1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,494.96	
23 05 13 00-0087	EA		2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,245.56	
23 05 13 00-0088	EA		2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,217.85	
23 05 13 00-0089	EA		2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,518.30	
23 05 13 00-0090	EA		3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,344.74	
23 05 13 00-0091	EA		3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,382.66	
23 05 13 00-0092	EA		3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,891.67	
23 05 13 00-0093	EA		5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,655.40	
23 05 13 00-0094	EA		5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,384.12	
23 05 13 00-0095	EA		5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	2,195.04	
23 05 13 00-0096	EA		7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,916.47	

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 05 13 00-0097	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,846.46	
23 05 13 00-0098	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,129.94	
23 05 13 00-0099	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,246.09	
23 05 13 00-0100	EA	10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,071.07	
23 05 13 00-0101	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,573.32	
23 05 13 00-0102	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,094.94	
23 05 13 00-0103	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,832.41	
23 05 13 00-0104	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,766.38	
23 05 13 00-0105	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,396.85	
23 05 13 00-0106	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,434.77	
23 05 13 00-0107	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,345.93	
23 05 13 00-0108	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,432.38	
23 05 13 00-0109	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,492.18	
23 05 13 00-0110	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,180.20	
23 05 13 00-0111	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,266.64	
23 05 13 00-0112	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,329.36	
23 05 13 00-0113	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,294.49	
23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,219.58	
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,968.71	
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	10,336.39	
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,897.78	
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,616.29	
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,490.59	
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	11,094.81	
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	10,959.17	
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,161.11	
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,907.72	
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,814.38	
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	17,655.14	
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,913.69	
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	19,701.42	
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	22,662.17	
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	28,481.59	

## 23 05 13 00-0130

Premium Efficient, Severe Duty Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.

23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,165.34	
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,280.56	
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,414.74	
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,987.94	
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,325.78	
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,305.36	
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,655.40	
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,473.62	
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,387.03	
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,362.24	
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,677.28	
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,119.73	
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,640.81	
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,723.95	
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,421.11	
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,383.72	
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,018.56	
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,754.58	
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,453.20	
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,386.24	
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,634.05	
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,209.63	
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,510.61	
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,159.25	
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,804.70	
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,645.72	
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,560.73	
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,184.57	
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,587.91	
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,370.59	
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,228.72	
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,591.10	
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,185.90	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,615.62	
23 05 13 00-0165	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,104.35	
23 05 13 00-0166	EA	20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,934.37	
23 05 13 00-0167	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,030.37	
23 05 13 00-0168	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,731.37	
23 05 13 00-0169	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,423.76	
23 05 13 00-0170	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,132.99	
23 05 13 00-0171	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,618.14	
23 05 13 00-0172	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,570.68	
23 05 13 00-0173	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,425.75	
23 05 13 00-0174	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,350.84	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 13 00-0175	EA			40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	11,929.07	
23 05 13 00-0176	EA			50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	8,829.76	
23 05 13 00-0177	EA			50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,628.49	
23 05 13 00-0178	EA			50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	12,706.45	
23 05 13 00-0179	EA			60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	12,814.38	
23 05 13 00-0180	EA			60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	11,564.45	
23 05 13 00-0181	EA			60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	17,356.15	
23 05 13 00-0182	EA			75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	14,325.39	
23 05 13 00-0183	EA			75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	13,513.00	
23 05 13 00-0184	EA			75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	21,123.46	
23 05 13 00-0185	EA			100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	18,006.64	
23 05 13 00-0186	EA			100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	17,738.28	
23 05 13 00-0187	EA			100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	23,233.90	
23 05 13 00-0188	EA			125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	21,158.46	
23 05 13 00-0189	EA			125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	20,970.31	
23 05 13 00-0190	EA			125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	26,247.17	
23 05 13 00-0191	EA			150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	24,804.71	
23 05 13 00-0192	EA			150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	24,566.97	
23 05 13 00-0193	EA			150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	29,592.96	
23 05 13 00-0194	EA			200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	29,372.73	
23 05 13 00-0195	EA			200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	29,553.59	
23 05 13 00-0196	EA			200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	38,764.01	

**23 05 13 00-0197**

**Premium Efficient, Explosion Proof Motors** (23 05 13 00-0001)

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

23 05 13 00-0198	EA			1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	1,554.76	
23 05 13 00-0199	EA			1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	1,610.18	
23 05 13 00-0200	EA			2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	1,756.03	
23 05 13 00-0201	EA			3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	2,170.25	
23 05 13 00-0202	EA			5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	2,406.52	
23 05 13 00-0203	EA			7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	3,316.63	
23 05 13 00-0204	EA			10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	3,385.18	
23 05 13 00-0205	EA			15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	4,582.61	
23 05 13 00-0206	EA			20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	5,224.35	
23 05 13 00-0207	EA			25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	6,863.70	
23 05 13 00-0208	EA			30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	7,703.80	
23 05 13 00-0209	EA			40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	10,073.86	
23 05 13 00-0210	EA			50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	11,345.67	
23 05 13 00-0211	EA			60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	15,871.40	
23 05 13 00-0212	EA			75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	18,632.34	
23 05 13 00-0213	EA			100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	22,697.18	
23 05 13 00-0214	EA			125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	29,665.89	
23 05 13 00-0215	EA			150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	33,848.87	

**23 05 13 00-0216**

**Motor Mounting** (23 05 13)

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

23 05 13 00-0217	EA			1/2 HP Motor Mounting.....	151.01	76.83
23 05 13 00-0218	EA			3/4 HP Motor Mounting.....	173.99	96.04
23 05 13 00-0219	EA			1 HP Motor Mounting.....	186.13	96.04
23 05 13 00-0220	EA			1-1/2 HP Motor Mounting.....	200.09	96.04
23 05 13 00-0221	EA			2 HP Motor Mounting.....	216.30	115.25
23 05 13 00-0222	EA			3 HP Motor Mounting.....	250.11	115.25
23 05 13 00-0223	EA			5 HP Motor Mounting.....	296.43	192.09
23 05 13 00-0224	EA			7-1/2 HP Motor Mounting.....	381.11	192.09
23 05 13 00-0225	EA			10 HP Motor Mounting.....	500.22	336.15
23 05 13 00-0226	EA			15 HP Motor Mounting.....	615.65	336.15
23 05 13 00-0227	EA			20 HP Motor Mounting.....	727.58	480.20
23 05 13 00-0228	EA			25 HP Motor Mounting.....	825.09	480.20
23 05 13 00-0229	EA			30 HP Motor Mounting.....	1,000.43	480.20
23 05 13 00-0230	EA			40 HP Motor Mounting.....	1,127.24	720.31
23 05 13 00-0231	EA			50 HP Motor Mounting.....	1,250.53	720.31
23 05 13 00-0232	EA			75 HP Motor Mounting.....	1,510.07	1,056.45
23 05 13 00-0233	EA			100 HP Motor Mounting.....	1,818.95	1,056.45
23 05 13 00-0234	EA			125 HP Motor Mounting.....	2,223.17	1,440.62
23 05 13 00-0235	EA			150 HP Motor Mounting.....	2,581.74	1,440.62
23 05 13 00-0236	EA			200 HP Motor Mounting.....	2,964.23	1,728.73

**23 05 16 Expansion Fittings and Loops for HVAC Piping** (23 05)

**23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints** (23 05 16)

Note: Includes internal sleeves and external covers.

**23 05 16 00-0002 Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints** (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0003	EA			1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	193.88	84.43
				<i>For 300 LB Rating, Add</i>	6.24	
23 05 16 00-0004	EA			3/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	217.62	95.21
				<i>For 300 LB Rating, Add</i>	6.83	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 16 Expansion Fittings and Loops for HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0005 EA 1" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	253.84	109.14
For 300 LB Rating, Add	8.91	
23 05 16 00-0006 EA 1-1/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	286.12	121.82
For 300 LB Rating, Add	10.69	
23 05 16 00-0007 EA 1-1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	309.33	130.93
For 300 LB Rating, Add	11.87	
23 05 16 00-0008 EA 2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	357.92	154.07
For 300 LB Rating, Add	12.46	
<b>23 05 16 00-0009 Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)</b>		
Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0010 EA 1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	676.37	84.42
For 300 LB Rating, Add	142.88	
23 05 16 00-0011 EA 1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	735.81	101.30
For 300 LB Rating, Add	152.22	
23 05 16 00-0012 EA 2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	769.78	128.61
For 300 LB Rating, Add	152.25	
23 05 16 00-0013 EA 2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	829.51	139.90
For 300 LB Rating, Add	163.53	
23 05 16 00-0014 EA 3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	912.09	164.02
For 300 LB Rating, Add	176.71	
23 05 16 00-0015 EA 4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,106.99	274.97
For 300 LB Rating, Add	190.61	
23 05 16 00-0016 EA 5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,512.05	300.71
For 300 LB Rating, Add	284.19	
23 05 16 00-0017 EA 6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,392.68	334.12
For 300 LB Rating, Add	243.39	
23 05 16 00-0018 EA 8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,792.23	426.93
For 300 LB Rating, Add	315.47	
23 05 16 00-0019 EA 10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,281.98	519.73
For 300 LB Rating, Add	408.08	
23 05 16 00-0020 EA 12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,002.50	393.70
For 300 LB Rating, Add	553.52	
23 05 16 00-0021 EA 14" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,829.57	742.48
For 300 LB Rating, Add	725.37	
23 05 16 00-0022 EA 16" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	4,965.08	816.72
For 300 LB Rating, Add	986.05	
<b>23 05 16 00-0023 Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)</b>		
Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0024 EA 1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	690.49	115.78
For 300 LB Rating, Add	114.76	
23 05 16 00-0025 EA 1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	722.53	116.74
For 300 LB Rating, Add	122.26	
23 05 16 00-0026 EA 2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	730.56	120.60
For 300 LB Rating, Add	122.28	
23 05 16 00-0027 EA 2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	788.68	131.50
For 300 LB Rating, Add	131.34	
23 05 16 00-0028 EA 3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	878.50	154.65
For 300 LB Rating, Add	142.22	
23 05 16 00-0029 EA 4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,227.67	307.97
For 300 LB Rating, Add	153.09	
23 05 16 00-0030 EA 5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,540.12	314.35
For 300 LB Rating, Add	228.26	
23 05 16 00-0031 EA 6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,477.51	348.04
For 300 LB Rating, Add	195.49	
23 05 16 00-0032 EA 8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,807.76	397.69
For 300 LB Rating, Add	253.39	
23 05 16 00-0033 EA 10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,283.62	487.25
For 300 LB Rating, Add	327.77	
23 05 16 00-0034 EA 12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,959.54	590.64
For 300 LB Rating, Add	444.58	
23 05 16 00-0035 EA 14" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,623.75	601.41
For 300 LB Rating, Add	605.17	
23 05 16 00-0036 EA 16" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	4,794.46	751.75
For 300 LB Rating, Add	822.65	
<b>23 05 17 Sleeves and Sleeve Seals for HVAC Piping (23 05)</b>		
<b>23 05 17 00-0001 Wall Seals And Sleeves (23 05 17)</b>		
Note: Up to 12" walls. Excludes drilling hole.		
<b>23 05 17 00-0002 Ductile Iron Wall Sleeve (23 05 17 00-0001)</b>		
Note: Includes rubber gasket seal.		
23 05 17 00-0003 EA 3" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	112.89	45.90
23 05 17 00-0004 EA 4" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	139.19	53.61
23 05 17 00-0005 EA 6" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	170.11	64.31
23 05 17 00-0006 EA 8" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	241.74	96.42
23 05 17 00-0007 EA 10" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	311.06	128.53
23 05 17 00-0008 EA 12" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	383.55	160.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 17 00-0009</b> <b>Steel Pipe Sleeves</b> <small>(23 05 17 00-0001)</small> Note: Includes link seals 12" length.		
23 05 17 00-0010    EA    2" Steel Pipe Sleeve With Link Seals.....	133.33	46.59
23 05 17 00-0011    EA    2-1/2" Steel Pipe Sleeve With Link Seals .....	166.81	50.50
23 05 17 00-0012    EA    3" Steel Pipe Sleeve With Link Seals.....	198.71	54.42
23 05 17 00-0013    EA    4" Steel Pipe Sleeve With Link Seals.....	245.52	65.28
23 05 17 00-0014    EA    6" Steel Pipe Sleeve With Link Seals.....	359.16	81.53
23 05 17 00-0015    EA    10" Steel Pipe Sleeve With Link Seals.....	673.26	97.87
23 05 17 00-0016    EA    13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals .....	788.13	122.33
23 05 17 00-0017    EA    17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals .....	1,053.49	150.53
23 05 17 00-0018    EA    23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals .....	1,441.21	195.73
23 05 17 00-0019    EA    29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals .....	1,563.32	244.67
 <b>23 05 19    Meters and Gages for HVAC Piping</b> <small>(23 05)</small> See CSI section 33 19 00 00-0000 for water utility service metering.		
<b>23 05 19 00-0001</b> <b>Thermometers</b> <small>(23 05 19)</small>		
<b>23 05 19 00-0002</b> <b>Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers</b> <small>(23 05 19 00-0001)</small> Note: Various ranges.		
23 05 19 00-0003    EA    2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer .....	103.86	33.52
23 05 19 00-0004    EA    2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer .....	122.22	33.52
23 05 19 00-0005    EA    3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer .....	122.22	33.52
 <b>23 05 19 00-0006</b> <b>Liquid Filled Industrial Union Connection Type Thermometers</b> <small>(23 05 19 00-0001)</small> Note: Various ranges.		
23 05 19 00-0007    EA    7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer .....	140.58	33.52
23 05 19 00-0008    EA    9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	140.58	33.52
23 05 19 00-0009    EA    12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	178.98	33.52
23 05 19 00-0010    EA    7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer .....	145.59	33.52
23 05 19 00-0011    EA    9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer .....	153.94	33.52
23 05 19 00-0012    EA    12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	183.99	33.52
 <b>23 05 19 00-0013</b> <b>Liquid Filled Industrial Separable Socket Type Thermometers</b> <small>(23 05 19 00-0001)</small> Note: Various ranges. Socket connection for thermowell.		
23 05 19 00-0014    EA    7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	140.58	33.52
23 05 19 00-0015    EA    9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	140.58	33.52
23 05 19 00-0016    EA    12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	178.98	33.52
23 05 19 00-0017    EA    7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	162.29	33.52
23 05 19 00-0018    EA    9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	178.98	33.52
23 05 19 00-0019    EA    12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	183.24	33.52
 <b>23 05 19 00-0020</b> <b>1" NPT, 304 Stainless Steel Thermowells</b> <small>(23 05 19 00-0001)</small>		
23 05 19 00-0021    EA    4" Long, 1" NPT, 304 Stainless Steel Thermowell .....	157.81	62.84
23 05 19 00-0022    EA    8" Long, 1" NPT, 304 Stainless Steel Thermowell .....	157.74	62.84
 <b>23 05 19 00-0023</b> <b>Pressure Gauges</b> <small>(23 05 19)</small>		
<b>23 05 19 00-0024</b> <b>Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges</b> <small>(23 05 19 00-0023)</small>		
23 05 19 00-0025    EA    2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	36.87	13.09
23 05 19 00-0026    EA    4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	46.72	13.09
 <b>23 05 19 00-0027</b> <b>Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges</b> <small>(23 05 19 00-0023)</small>		
23 05 19 00-0028    EA    3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	294.15	13.09
23 05 19 00-0029    EA    4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	294.15	13.09
23 05 19 00-0030    EA    6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	385.15	13.09
23 05 19 00-0031    EA    8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	921.07	13.09
 <b>23 05 19 00-0032</b> <b>Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges</b> <small>(23 05 19 00-0023)</small> Note: Liquid filled.		
23 05 19 00-0033    EA    2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge .....	139.21	13.09
23 05 19 00-0034    EA    4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	319.94	13.09
 <b>23 05 19 00-0035</b> <b>Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges</b> <small>(23 05 19 00-0023)</small>		
23 05 19 00-0036    EA    4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge .....	325.02	13.09
23 05 19 00-0037    EA    6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge .....	325.02	13.09
23 05 19 00-0038    EA    8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge .....	325.02	13.09
 <b>23 05 19 00-0039</b> <b>Gauge Accessories</b> <small>(23 05 19 00-0023)</small>		
23 05 19 00-0040    EA    Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer) .....	82.60	10.47
23 05 19 00-0041    EA    1/4" Snubber Valve .....	50.58	10.47

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 19 Meters and Gages for HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0042 EA 1/4" Female Pipe Thread, Brass Gauge Cock .....	31.79	15.72
23 05 19 00-0043 EA 1/4" Male Pipe Thread, Brass Gauge Cock .....	27.32	15.72
23 05 19 00-0044 EA 1/4" Pressure Pigtail Steam Siphon .....	30.98	15.72
23 05 19 00-0045 EA 1/4" x 3" Long Black Steel Nipple.....	6.41	5.24
23 05 19 00-0046 EA 1/4" Steel Thread-O-Let.....	67.62	26.19
23 05 19 00-0047 EA 1/4", 300 LB, Black Steel Union .....	71.13	10.47
23 05 19 00-0048 EA 1/4" Black Steel Coupling.....	22.81	10.47
23 05 19 00-0049 EA 1/4", 300 LB, Black Steel Plug .....	13.00	6.28
23 05 19 00-0050 EA 1/4", 150 LB, Black Steel Cap.....	13.62	6.28
23 05 19 00-0051 LF 1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe .....	7.44	3.46
23 05 19 00-0052 LF 1/4" Schedule 80, Plain End, Black Steel Pipe .....	7.27	3.46
23 05 19 00-0053 LF 1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	7.73	
23 05 19 00-0054 EA 1/4" Threaded, 800 LB, Forged Steel, Ball Valve.....	101.28	
<b>23 05 19 00-0055 Valve Lock Covers (23 05 19)</b>		
23 05 19 00-0056 EA Valve Lock Cover.....	82.91	16.03
<b>23 05 19 00-0057 Sight Flow Indicator (23 05 19)</b>		
<b>23 05 19 00-0058 Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0057)</b>		
23 05 19 00-0059 EA 1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	163.77	15.25
23 05 19 00-0060 EA 3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	171.02	16.04
23 05 19 00-0061 EA 1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	185.13	16.86
23 05 19 00-0062 EA 3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	205.91	22.72
23 05 19 00-0063 EA 1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	246.00	27.54
23 05 19 00-0064 EA 1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	277.63	34.86
23 05 19 00-0065 EA 1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	396.80	40.30
23 05 19 00-0066 EA 2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	438.55	47.64
<b>23 05 19 00-0067 Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0057)</b>		
23 05 19 00-0068 EA 1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	214.60	15.25
23 05 19 00-0069 EA 3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	220.72	16.04
23 05 19 00-0070 EA 1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	238.22	16.86
23 05 19 00-0071 EA 3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	251.09	22.72
23 05 19 00-0072 EA 1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	265.20	27.54
23 05 19 00-0073 EA 1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	285.53	34.86
23 05 19 00-0074 EA 1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	550.41	40.30
23 05 19 00-0075 EA 2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	587.64	47.64
<b>23 05 19 00-0076 Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (23 05 19 00-0057)</b>		
23 05 19 00-0077 EA 1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	312.87	15.25
23 05 19 00-0078 EA 3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	330.28	16.04
23 05 19 00-0079 EA 1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	359.08	16.86
23 05 19 00-0080 EA 3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	388.89	22.72
23 05 19 00-0081 EA 1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	445.92	27.54
23 05 19 00-0082 EA 1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	469.64	34.86
23 05 19 00-0083 EA 1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	957.03	40.30
23 05 19 00-0084 EA 2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	1,005.56	47.64



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0085				<b>Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators</b> <small>(23 05 19 00-0057)</small>		
23 05 19 00-0086	EA			1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	211.21	15.25
23 05 19 00-0087	EA			3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	219.59	16.04
23 05 19 00-0088	EA			1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	232.57	16.86
23 05 19 00-0089	EA			3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	249.96	22.72
23 05 19 00-0090	EA			1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	264.07	27.54
23 05 19 00-0091	EA			1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	285.53	34.86
23 05 19 00-0092	EA			1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	543.64	40.30
23 05 19 00-0093	EA			2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	578.61	47.64
23 05 19 00-0094				<b>Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators</b> <small>(23 05 19 00-0057)</small>		
23 05 19 00-0095	EA			1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	310.61	15.25
23 05 19 00-0096	EA			3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	334.80	16.04
23 05 19 00-0097	EA			1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	365.85	16.86
23 05 19 00-0098	EA			3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	388.89	22.72
23 05 19 00-0099	EA			1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	445.92	27.54
23 05 19 00-0100	EA			1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	474.16	34.86
23 05 19 00-0101	EA			1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	957.03	40.30
23 05 19 00-0102	EA			2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	1,005.56	47.64
23 05 19 00-0103				<b>Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators</b> <small>(23 05 19 00-0057)</small>		
23 05 19 00-0104	EA			1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400) .....	454.95	27.54
23 05 19 00-0105	EA			1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400) .....	510.30	34.86
23 05 19 00-0106	EA			1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400) .....	579.78	40.30
23 05 19 00-0107	EA			2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400) .....	650.89	47.64
23 05 19 00-0108				<b>Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators</b> <small>(23 05 19 00-0057)</small>		
23 05 19 00-0109	EA			1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) .....	999.00	109.93
23 05 19 00-0110	EA			2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) .....	1,112.55	139.57
23 05 19 00-0111	EA			3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) .....	1,646.96	163.92
23 05 19 00-0112	EA			4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) .....	2,479.68	274.80
23 05 19 00-0113	EA			6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) .....	4,033.39	329.95
23 05 19 00-0114				<b>Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators</b> <small>(23 05 19 00-0057)</small>		
23 05 19 00-0115	EA			1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	767.43	78.52
23 05 19 00-0116	EA			1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	906.71	91.61
23 05 19 00-0117	EA			1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	975.85	109.93
23 05 19 00-0118	EA			2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	1,222.68	139.57
23 05 19 00-0119	EA			3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	1,781.93	163.92
23 05 19 00-0120	EA			4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	2,625.95	274.80
23 05 19 00-0121				<b>Venturi Flowmeters</b> <small>(23 05 19)</small>		
23 05 19 00-0122				<b>Threaded, Brass, Venturi Flowmeters</b> <small>(23 05 19 00-0121)</small>		
23 05 19 00-0123	EA			3/4" Threaded, Brass, Venturi Flowmeter .....	274.75	71.23
				<i>For Portable Venturi Flow Meter, Add</i>	995.00	
23 05 19 00-0124	EA			1" Threaded, Brass, Venturi Flowmeter .....	303.41	85.47
				<i>For Portable Venturi Flow Meter, Add</i>	995.00	
23 05 19 00-0125	EA			1-1/4" Threaded, Brass, Venturi Flowmeter .....	334.62	95.00
				<i>For Portable Venturi Flow Meter, Add</i>	995.00	
23 05 19 00-0126	EA			1-1/2" Threaded, Brass, Venturi Flowmeter .....	377.15	106.84
				<i>For Portable Venturi Flow Meter, Add</i>	995.00	
23 05 19 00-0127	EA			2" Threaded, Brass, Venturi Flowmeter .....	449.02	122.13
				<i>For Portable Venturi Flow Meter, Add</i>	995.00	
23 05 19 00-0128	EA			2-1/2" Threaded, Brass, Venturi Flowmeter .....	613.39	168.20
				<i>For Portable Venturi Flow Meter, Add</i>	995.00	
23 05 19 00-0129				<b>Butt Weld, Carbon Steel, Venturi Flowmeters</b> <small>(23 05 19 00-0121)</small>		
23 05 19 00-0130	EA			3" Butt Weld, Carbon Steel, Venturi Flowmeter .....	1,144.98	146.80
				<i>For Portable Venturi Flow Meter, Add</i>	995.00	
				<i>For Flanged Ends, Add</i>	297.98	
23 05 19 00-0131	EA			4" Butt Weld, Carbon Steel, Venturi Flowmeter .....	1,572.65	176.16
				<i>For Portable Venturi Flow Meter, Add</i>	995.00	
				<i>For Flanged Ends, Add</i>	427.11	
23 05 19 00-0132	EA			5" Butt Weld, Carbon Steel, Venturi Flowmeter .....	2,058.03	220.20
				<i>For Portable Venturi Flow Meter, Add</i>	995.00	
				<i>For Flanged Ends, Add</i>	566.17	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 19 Meters and Gages for HVAC Piping**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0133	EA		6" Butt Weld, Carbon Steel, Venturi Flowmeter ..... <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	2,460.25 995.00 655.56	293.60
23 05 19 00-0134	EA		8" Butt Weld, Carbon Steel, Venturi Flowmeter ..... <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	3,570.97 995.00 1,003.21	352.33
23 05 19 00-0135	EA		10" Butt Weld, Carbon Steel, Venturi Flowmeter ..... <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	5,790.47 995.00 1,718.38	440.40
23 05 19 00-0136	EA		12" Butt Weld, Carbon Steel, Venturi Flowmeter ..... <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	8,683.09 995.00 2,602.40	623.83
23 05 19 00-0137	EA		14" Butt Weld, Carbon Steel, Venturi Flowmeter ..... <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	12,201.62 995.00 3,615.54	935.75
23 05 19 00-0138	EA		16" Butt Weld, Carbon Steel, Venturi Flowmeter ..... <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	18,113.84 995.00 5,612.04	1,039.72

**23 05 19 00-0139 Turbine Flowmeter** (23 05 19)

23 05 19 00-0140	EA		Saddle Mount Turbine Flowmeter .....	800.68	78.56
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**23 05 19 00-0141 Water Flow Switches** (23 05 19)

23 05 19 00-0142	EA		Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1).....	276.93	30.88
23 05 19 00-0143	EA		Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1) .....	287.26	30.88
23 05 19 00-0144	EA		Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1).....	374.50	30.88
23 05 19 00-0145	EA		Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1).....	387.71	30.88
23 05 19 00-0146	EA		Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1).....	300.47	30.88
23 05 19 00-0147	EA		Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1).....	312.51	30.88
23 05 19 00-0148	EA		Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1) .....	398.05	30.88
23 05 19 00-0149	EA		Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1) .....	410.09	30.88
23 05 19 00-0150	EA		Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1) .....	798.06	30.88
23 05 19 00-0151	EA		Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1).....	809.74	30.88
23 05 19 00-0152	EA		Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1).....	920.64	30.88
23 05 19 00-0153	EA		Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1) .....	936.69	30.88
23 05 19 00-0154	EA		Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1) .....	825.79	30.88
23 05 19 00-0155	EA		Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1).....	841.84	30.88
23 05 19 00-0156	EA		Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1).....	948.37	30.88
23 05 19 00-0157	EA		Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1).....	965.88	30.88

**23 05 23 General-Duty Valves For HVAC Piping** (23 05)

Note: Flanged valves exclude bolt and gasket sets. See CSI section 22 05 23 00-0000 for additional valves, 23 21 13 23-0669 for bolt and gasket sets.

**23 05 23 00-0001 Gate Valves** (23 05 23)

**23 05 23 00-0002 Class 125 Threaded, Bronze Gate Valves** (23 05 23 00-0001)

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0003	EA		1/4" Diameter, 125 LB, Threaded Bronze Gate Valve .....	61.29	10.47
			<i>For 150 LB Rating, Add</i>	3.08	
			<i>For 200 LB Rating, Add</i>	4.62	
			<i>For 250 LB Rating, Add</i>	7.70	
			<i>For 300 LB Rating, Add</i>	10.78	
			<i>For Work In Restricted Working Space, Add</i>	9.15	
23 05 23 00-0004	EA		3/8" Diameter, 125 LB, Threaded Bronze Gate Valve .....	62.89	10.47
			<i>For 150 LB Rating, Add</i>	3.08	
			<i>For 200 LB Rating, Add</i>	4.62	
			<i>For 250 LB Rating, Add</i>	7.70	
			<i>For 300 LB Rating, Add</i>	10.78	
			<i>For Work In Restricted Working Space, Add</i>	9.63	
23 05 23 00-0005	EA		1/2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	64.58	10.47
			<i>For 150 LB Rating, Add</i>	3.08	
			<i>For 200 LB Rating, Add</i>	4.62	
			<i>For 250 LB Rating, Add</i>	7.70	
			<i>For 300 LB Rating, Add</i>	10.78	
			<i>For Work In Restricted Working Space, Add</i>	10.13	
23 05 23 00-0006	EA		3/4" Diameter, 125 LB, Threaded Bronze Gate Valve .....	82.27	11.52
			<i>For 150 LB Rating, Add</i>	3.68	
			<i>For 200 LB Rating, Add</i>	5.51	
			<i>For 250 LB Rating, Add</i>	9.19	
			<i>For 300 LB Rating, Add</i>	12.86	
			<i>For Work In Restricted Working Space, Add</i>	13.66	
23 05 23 00-0007	EA		1" Diameter, 125 LB, Threaded Bronze Gate Valve .....	110.63	13.09
			<i>For 150 LB Rating, Add</i>	5.55	
			<i>For 200 LB Rating, Add</i>	8.33	
			<i>For 250 LB Rating, Add</i>	13.88	
			<i>For 300 LB Rating, Add</i>	19.43	
			<i>For Work In Restricted Working Space, Add</i>	16.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0008 EA 1-1/4" Diameter, 125 LB, Threaded Bronze Gate Valve .....	144.66	13.93
<i>For 150 LB Rating, Add</i>	7.49	
<i>For 200 LB Rating, Add</i>	11.23	
<i>For 250 LB Rating, Add</i>	18.72	
<i>For 300 LB Rating, Add</i>	26.20	
<i>For Work In Restricted Working Space, Add</i>	20.94	
23 05 23 00-0009 EA 1-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	174.87	16.12
<i>For 150 LB Rating, Add</i>	9.43	
<i>For 200 LB Rating, Add</i>	14.15	
<i>For 250 LB Rating, Add</i>	23.58	
<i>For 300 LB Rating, Add</i>	33.02	
<i>For Work In Restricted Working Space, Add</i>	24.16	
23 05 23 00-0010 EA 2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	224.07	19.05
<i>For 150 LB Rating, Add</i>	12.89	
<i>For 200 LB Rating, Add</i>	19.33	
<i>For 250 LB Rating, Add</i>	32.22	
<i>For 300 LB Rating, Add</i>	45.11	
<i>For Work In Restricted Working Space, Add</i>	28.55	
23 05 23 00-0011 EA 2-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	496.15	25.75
<i>For Chain Operated Type, Add</i>	165.42	
<i>For 150 LB Rating, Add</i>	36.76	
<i>For 200 LB Rating, Add</i>	55.14	
<i>For 250 LB Rating, Add</i>	91.90	
<i>For 300 LB Rating, Add</i>	128.66	
<i>For Work In Restricted Working Space, Add</i>	38.57	
23 05 23 00-0012 EA 3" Diameter, 125 LB, Threaded Bronze Gate Valve .....	587.75	29.89
<i>For Chain Operated Type, Add</i>	197.73	
<i>For 150 LB Rating, Add</i>	43.94	
<i>For 200 LB Rating, Add</i>	65.91	
<i>For 250 LB Rating, Add</i>	109.85	
<i>For 300 LB Rating, Add</i>	153.79	
<i>For Work In Restricted Working Space, Add</i>	44.50	
23 05 23 00-0013 EA 4" Diameter, 125 LB, Threaded Bronze Gate Valve .....	1,215.53	33.74
<i>For Chain Operated Type, Add</i>	471.06	
<i>For 150 LB Rating, Add</i>	104.68	
<i>For 200 LB Rating, Add</i>	157.02	
<i>For 250 LB Rating, Add</i>	261.70	
<i>For 300 LB Rating, Add</i>	366.38	
<i>For Work In Restricted Working Space, Add</i>	50.62	
<b>23 05 23 00-0014 Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves</b> <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0015 EA 1-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	262.48	16.12
<i>For 150 LB Rating, Add</i>	36.39	
<i>For 250 LB Rating, Add</i>	63.68	
<i>For Chain Operated Type, Add</i>	63.68	
<i>For Work In Restricted Working Space, Add</i>	24.16	
23 05 23 00-0016 EA 2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	402.61	19.05
<i>For 150 LB Rating, Add</i>	61.49	
<i>For 250 LB Rating, Add</i>	107.60	
<i>For Chain Operated Type, Add</i>	107.60	
<i>For Work In Restricted Working Space, Add</i>	28.55	
23 05 23 00-0017 EA 2-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	590.94	25.75
<i>For 150 LB Rating, Add</i>	92.48	
<i>For 250 LB Rating, Add</i>	161.83	
<i>For Chain Operated Type, Add</i>	161.83	
<i>For Work In Restricted Working Space, Add</i>	38.57	
23 05 23 00-0018 EA 3" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	755.01	29.89
<i>For 150 LB Rating, Add</i>	121.33	
<i>For 250 LB Rating, Add</i>	212.33	
<i>For Chain Operated Type, Add</i>	212.33	
<i>For Work In Restricted Working Space, Add</i>	44.50	
23 05 23 00-0019 EA 4" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	1,801.82	33.74
<i>For 150 LB Rating, Add</i>	326.62	
<i>For 250 LB Rating, Add</i>	571.58	
<i>For Chain Operated Type, Add</i>	571.58	
<i>For Work In Restricted Working Space, Add</i>	50.62	
<b>23 05 23 00-0020 Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves</b> <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0021 EA 1-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	391.33	109.93
<i>For 150 LB Rating, Add</i>	73.54	
<i>For 250 LB Rating, Add</i>	126.79	
<i>For 300 LB Rating, ASTM A182, Add</i>	322.45	
<i>For Chain Operated Type, Add</i>	126.79	
<i>For Work In Restricted Working Space, Add</i>	41.33	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 23 General-Duty Valves For HVAC Piping**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0022 EA 2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	439.70	139.57
For 150 LB Rating, Add	76.91	
For 250 LB Rating, Add	132.60	
For 300 LB Rating, ASTM A182, Add	352.45	
For Chain Operated Type, Add	132.60	
For Work In Restricted Working Space, Add	52.35	
23 05 23 00-0023 EA 2-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	493.50	139.81
For 150 LB Rating, Add	92.28	
For 250 LB Rating, Add	159.10	
For 300 LB Rating, ASTM A182, Add	405.85	
For Chain Operated Type, Add	159.10	
For Work In Restricted Working Space, Add	52.59	
23 05 23 00-0024 EA 3" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	602.86	163.92
For 150 LB Rating, Add	115.34	
For 250 LB Rating, Add	198.86	
For 300 LB Rating, ASTM A182, Add	500.29	
For Chain Operated Type, Add	198.86	
For Work In Restricted Working Space, Add	61.55	
23 05 23 00-0025 EA 4" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	874.67	274.80
For 150 LB Rating, Add	153.79	
For 250 LB Rating, Add	265.16	
For 300 LB Rating, ASTM A182, Add	702.49	
For Chain Operated Type, Add	265.16	
For Work In Restricted Working Space, Add	103.31	
23 05 23 00-0026 EA 5" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,059.96	296.94
For 150 LB Rating, Add	199.91	
For 250 LB Rating, Add	344.67	
For 300 LB Rating, ASTM A182, Add	874.65	
For Chain Operated Type, Add	344.67	
For Work In Restricted Working Space, Add	111.19	
23 05 23 00-0027 EA 6" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,262.24	329.95
For 150 LB Rating, Add	246.02	
For 250 LB Rating, Add	424.17	
For 300 LB Rating, ASTM A182, Add	1,055.29	
For Chain Operated Type, Add	424.17	
For Work In Restricted Working Space, Add	124.17	
23 05 23 00-0028 EA 8" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,928.98	421.60
For 150 LB Rating, Add	407.53	
For 250 LB Rating, Add	702.64	
For 300 LB Rating, ASTM A182, Add	1,667.13	
For Chain Operated Type, Add	702.64	
For Work In Restricted Working Space, Add	157.11	
23 05 23 00-0029 EA 10" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,497.43	513.25
For 150 LB Rating, Add	538.21	
For 250 LB Rating, Add	927.94	
For 300 LB Rating, ASTM A182, Add	2,176.66	
For Chain Operated Type, Add	927.94	
For Work In Restricted Working Space, Add	192.47	
23 05 23 00-0030 EA 12" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	3,429.04	623.22
For 150 LB Rating, Add	768.91	
For 250 LB Rating, Add	1,325.70	
For 300 LB Rating, ASTM A182, Add	3,040.22	
For Chain Operated Type, Add	1,325.70	
For Work In Restricted Working Space, Add	233.29	
<b>23 05 23 00-0031 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves</b> <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0032 EA 1-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	526.52	16.12
For 175 LB Rating, Add	222.99	
For 250 LB Rating, Add	334.49	
For Work In Restricted Working Space, Add	24.16	
23 05 23 00-0033 EA 2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	671.72	19.05
For 175 LB Rating, Add	288.27	
For 250 LB Rating, Add	432.41	
For Work In Restricted Working Space, Add	28.55	
23 05 23 00-0034 EA 2-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	778.68	25.75
For 175 LB Rating, Add	325.06	
For 250 LB Rating, Add	487.59	
For Work In Restricted Working Space, Add	38.57	
23 05 23 00-0035 EA 3" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	865.68	29.89
For 175 LB Rating, Add	358.67	
For 250 LB Rating, Add	538.01	
For Work In Restricted Working Space, Add	44.50	
23 05 23 00-0036 EA 4" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	1,159.29	33.74
For 175 LB Rating, Add	495.28	
For 250 LB Rating, Add	742.91	
For Work In Restricted Working Space, Add	50.62	

**23 05 23 00-0037 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves** (23 05 23 00-0001)

Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0038 EA 1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	503.31	109.93
<i>For 150 LB Rating, Add</i>	54.83	
<i>For 175 LB Rating, Add</i>	113.32	
<i>For 250 LB Rating, Add</i>	237.61	
<i>For Chain Operated Type, Add</i>	182.78	
<i>For Work In Restricted Working Space, Add</i>	41.33	
23 05 23 00-0039 EA 2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	550.90	139.57
<i>For 150 LB Rating, Add</i>	56.46	
<i>For 175 LB Rating, Add</i>	116.68	
<i>For 250 LB Rating, Add</i>	244.66	
<i>For Chain Operated Type, Add</i>	188.20	
<i>For Work In Restricted Working Space, Add</i>	52.35	
23 05 23 00-0040 EA 2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	564.00	139.81
<i>For 150 LB Rating, Add</i>	58.30	
<i>For 175 LB Rating, Add</i>	120.49	
<i>For 250 LB Rating, Add</i>	252.65	
<i>For Chain Operated Type, Add</i>	194.35	
<i>For Work In Restricted Working Space, Add</i>	52.59	
23 05 23 00-0041 EA 3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	632.81	163.92
<i>For 150 LB Rating, Add</i>	64.15	
<i>For 175 LB Rating, Add</i>	132.57	
<i>For 250 LB Rating, Add</i>	277.98	
<i>For Chain Operated Type, Add</i>	213.83	
<i>For Work In Restricted Working Space, Add</i>	61.55	
23 05 23 00-0042 EA 4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	863.00	274.80
<i>For 150 LB Rating, Add</i>	77.80	
<i>For 175 LB Rating, Add</i>	160.78	
<i>For 250 LB Rating, Add</i>	337.12	
<i>For Chain Operated Type, Add</i>	259.32	
<i>For Work In Restricted Working Space, Add</i>	103.31	
23 05 23 00-0043 EA 5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	1,094.24	296.94
<i>For 150 LB Rating, Add</i>	108.54	
<i>For 175 LB Rating, Add</i>	224.32	
<i>For 250 LB Rating, Add</i>	470.35	
<i>For Chain Operated Type, Add</i>	361.81	
<i>For Work In Restricted Working Space, Add</i>	111.19	
23 05 23 00-0044 EA 6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	1,240.31	329.95
<i>For 150 LB Rating, Add</i>	123.96	
<i>For 175 LB Rating, Add</i>	256.18	
<i>For 250 LB Rating, Add</i>	537.16	
<i>For Chain Operated Type, Add</i>	413.20	
<i>For Work In Restricted Working Space, Add</i>	124.17	
23 05 23 00-0045 EA 8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	1,921.38	421.60
<i>For 150 LB Rating, Add</i>	209.65	
<i>For 175 LB Rating, Add</i>	433.28	
<i>For 250 LB Rating, Add</i>	908.49	
<i>For Chain Operated Type, Add</i>	698.84	
<i>For Work In Restricted Working Space, Add</i>	157.11	
23 05 23 00-0046 EA 10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	2,792.56	513.25
<i>For 150 LB Rating, Add</i>	322.65	
<i>For 175 LB Rating, Add</i>	666.81	
<i>For 250 LB Rating, Add</i>	1,398.16	
<i>For Chain Operated Type, Add</i>	1,075.51	
<i>For Work In Restricted Working Space, Add</i>	192.47	
23 05 23 00-0047 EA 12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	3,503.87	623.22
<i>For 150 LB Rating, Add</i>	408.93	
<i>For 175 LB Rating, Add</i>	845.13	
<i>For 250 LB Rating, Add</i>	1,772.05	
<i>For Chain Operated Type, Add</i>	1,363.12	
<i>For Work In Restricted Working Space, Add</i>	233.29	
23 05 23 00-0048 EA 14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	6,934.48	896.65
<i>For 150 LB Rating, Add</i>	872.05	
<i>For 175 LB Rating, Add</i>	1,802.23	
<i>For 250 LB Rating, Add</i>	3,778.88	
<i>For Work In Restricted Working Space, Add</i>	336.25	
23 05 23 00-0049 EA 16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	8,965.65	986.32
<i>For 150 LB Rating, Add</i>	1,159.91	
<i>For 175 LB Rating, Add</i>	2,397.15	
<i>For 250 LB Rating, Add</i>	5,026.29	
<i>For Work In Restricted Working Space, Add</i>	369.87	
23 05 23 00-0050 EA 18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	12,193.39	1,093.92
<i>For 150 LB Rating, Add</i>	1,623.90	
<i>For 175 LB Rating, Add</i>	3,356.06	
<i>For 250 LB Rating, Add</i>	7,036.89	
<i>For Work In Restricted Working Space, Add</i>	410.22	
23 05 23 00-0051 EA 20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	15,458.12	1,232.90
<i>For 150 LB Rating, Add</i>	2,087.55	
<i>For 175 LB Rating, Add</i>	4,314.27	
<i>For 250 LB Rating, Add</i>	9,046.05	
<i>For Work In Restricted Working Space, Add</i>	462.34	
23 05 23 00-0052 EA 24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	21,090.18	1,513.10
<i>For 150 LB Rating, Add</i>	2,879.82	
<i>For 175 LB Rating, Add</i>	5,951.63	
<i>For 250 LB Rating, Add</i>	12,479.22	
<i>For Work In Restricted Working Space, Add</i>	567.41	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0053	EA		30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	43,879.70	2,465.81
			<i>For 150 LB Rating, Add</i>	6,119.62	
			<i>For 175 LB Rating, Add</i>	12,647.21	
			<i>For 250 LB Rating, Add</i>	26,518.34	
			<i>For Work In Restricted Working Space, Add</i>	924.68	
23 05 23 00-0054	EA		36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	55,946.43	3,287.74
			<i>For 150 LB Rating, Add</i>	7,775.51	
			<i>For 175 LB Rating, Add</i>	16,069.40	
			<i>For 250 LB Rating, Add</i>	33,693.89	
			<i>For Work In Restricted Working Space, Add</i>	1,232.90	
<b>23 05 23 00-0055</b>			<b>Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves</b> <small>(23 05 23 00-0001)</small>		
			Note: 800 psig at 850 degrees F.		
23 05 23 00-0056	EA		1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	158.30	10.47
			<i>For Work In Restricted Working Space, Add</i>	9.15	
23 05 23 00-0057	EA		1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	161.59	10.47
			<i>For Work In Restricted Working Space, Add</i>	10.13	
23 05 23 00-0058	EA		3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	190.48	11.52
			<i>For Work In Restricted Working Space, Add</i>	13.66	
23 05 23 00-0059	EA		1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	231.25	13.09
			<i>For Work In Restricted Working Space, Add</i>	16.53	
23 05 23 00-0060	EA		1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	353.99	13.93
			<i>For Work In Restricted Working Space, Add</i>	20.94	
23 05 23 00-0061	EA		1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	418.78	16.12
			<i>For Work In Restricted Working Space, Add</i>	24.16	
23 05 23 00-0062	EA		2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	526.94	19.05
			<i>For Work In Restricted Working Space, Add</i>	28.55	
<b>23 05 23 00-0063</b>			<b>Ball Valves</b> <small>(23 05 23)</small>		
<b>23 05 23 00-0064</b>			<b>Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves</b> <small>(23 05 23 00-0063)</small>		
			Note: 125 LB WSP.		
23 05 23 00-0065	EA		1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	46.21	10.47
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	5.59	
			<i>For Work In Restricted Working Space, Add</i>	10.13	
23 05 23 00-0066	EA		3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	64.63	11.52
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	8.60	
			<i>For Work In Restricted Working Space, Add</i>	13.66	
23 05 23 00-0067	EA		1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	80.90	13.09
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	11.61	
			<i>For Work In Restricted Working Space, Add</i>	16.53	
23 05 23 00-0068	EA		1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	113.11	13.93
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	19.49	
			<i>For Work In Restricted Working Space, Add</i>	20.94	
23 05 23 00-0069	EA		1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	135.86	16.12
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	24.89	
			<i>For Work In Restricted Working Space, Add</i>	24.16	
23 05 23 00-0070	EA		2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	164.47	19.05
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	31.18	
			<i>For Work In Restricted Working Space, Add</i>	28.55	
23 05 23 00-0071	EA		2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	455.56	25.75
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	147.15	
			<i>For Work In Restricted Working Space, Add</i>	38.57	
23 05 23 00-0072	EA		3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	525.63	29.89
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	169.78	
			<i>For Work In Restricted Working Space, Add</i>	44.50	
23 05 23 00-0073	EA		4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	683.12	33.74
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	231.47	
			<i>For Work In Restricted Working Space, Add</i>	50.62	
<b>23 05 23 00-0074</b>			<b>Screwed, 150 LB, Full Port, Carbon Steel Ball Valves</b> <small>(23 05 23 00-0063)</small>		
23 05 23 00-0075	EA		1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	54.27	10.47
			<i>For Work In Restricted Working Space, Add</i>	9.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0076 EA 1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve .....	59.59	10.47
<i>For Work In Restricted Working Space, Add</i>	10.13	
23 05 23 00-0077 EA 3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve .....	82.85	11.52
<i>For Work In Restricted Working Space, Add</i>	13.66	
23 05 23 00-0078 EA 1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve .....	105.31	13.09
<i>For Work In Restricted Working Space, Add</i>	16.53	
23 05 23 00-0079 EA 1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve .....	155.60	13.93
<i>For Work In Restricted Working Space, Add</i>	20.94	
23 05 23 00-0080 EA 1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve .....	189.23	16.12
<i>For Work In Restricted Working Space, Add</i>	24.16	
23 05 23 00-0081 EA 2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve .....	244.84	19.05
<i>For Work In Restricted Working Space, Add</i>	28.55	
<b>23 05 23 00-0082 Flanged, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0063)</b>		
23 05 23 00-0083 EA 1-1/2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve .....	328.15	109.93
<i>For 150 LB Rating, Add</i>	55.21	
<i>For 250 LB Rating, Add</i>	95.20	
<i>For 300 LB Rating, ASTM A182, Add</i>	259.27	
<i>For Chain Operated Type, Add</i>	95.20	
<i>For Work In Restricted Working Space, Add</i>	41.33	
<i>For Work In Restricted Working Space, Add</i>	41.33	
23 05 23 00-0084 EA 2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve .....	410.69	139.57
<i>For 150 LB Rating, Add</i>	68.50	
<i>For 250 LB Rating, Add</i>	118.10	
<i>For 300 LB Rating, ASTM A182, Add</i>	323.44	
<i>For Chain Operated Type, Add</i>	118.10	
<i>For Work In Restricted Working Space, Add</i>	52.35	
<i>For Work In Restricted Working Space, Add</i>	52.35	
23 05 23 00-0085 EA 2-1/2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve .....	606.77	139.81
<i>For 150 LB Rating, Add</i>	125.12	
<i>For 250 LB Rating, Add</i>	215.73	
<i>For 300 LB Rating, ASTM A182, Add</i>	519.12	
<i>For Chain Operated Type, Add</i>	215.73	
<i>For Work In Restricted Working Space, Add</i>	52.59	
<i>For Work In Restricted Working Space, Add</i>	52.59	
23 05 23 00-0086 EA 3" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve .....	671.65	163.92
<i>For 150 LB Rating, Add</i>	135.29	
<i>For 250 LB Rating, Add</i>	233.25	
<i>For 300 LB Rating, ASTM A182, Add</i>	569.08	
<i>For Chain Operated Type, Add</i>	233.25	
<i>For Work In Restricted Working Space, Add</i>	61.55	
<i>For Work In Restricted Working Space, Add</i>	61.55	
23 05 23 00-0087 EA 4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve .....	999.61	274.80
<i>For Work In Restricted Working Space, Add</i>	103.31	
23 05 23 00-0088 EA 6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve .....	2,190.51	329.95
<i>For Work In Restricted Working Space, Add</i>	124.17	
23 05 23 00-0089 EA 8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve .....	3,675.91	421.60
<i>For Work In Restricted Working Space, Add</i>	157.11	
<b>23 05 23 00-0090 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves (23 05 23 00-0063)</b>		
23 05 23 00-0091 EA 1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	38.90	10.47
<i>For True Union Socket Or Thread Type, Add</i>	3.82	
<i>For Work In Restricted Working Space, Add</i>	10.13	
23 05 23 00-0092 EA 3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	51.42	11.52
<i>For True Union Socket Or Thread Type, Add</i>	4.75	
<i>For Work In Restricted Working Space, Add</i>	13.66	
23 05 23 00-0093 EA 1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	63.32	13.09
<i>For True Union Socket Or Thread Type, Add</i>	6.18	
<i>For Work In Restricted Working Space, Add</i>	16.53	
23 05 23 00-0094 EA 1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	80.59	13.93
<i>For True Union Socket Or Thread Type, Add</i>	7.98	
<i>For Work In Restricted Working Space, Add</i>	20.94	
23 05 23 00-0095 EA 1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	99.31	16.12
<i>For True Union Socket Or Thread Type, Add</i>	11.74	
<i>For Work In Restricted Working Space, Add</i>	24.16	
23 05 23 00-0096 EA 2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	119.10	19.05
<i>For True Union Socket Or Thread Type, Add</i>	14.56	
<i>For Work In Restricted Working Space, Add</i>	28.55	
23 05 23 00-0097 EA 2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	180.03	25.75
<i>For True Union Socket Or Thread Type, Add</i>	27.34	
<i>For Work In Restricted Working Space, Add</i>	38.57	
23 05 23 00-0098 EA 3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	235.86	29.89
<i>For True Union Socket Or Thread Type, Add</i>	42.80	
<i>For Work In Restricted Working Space, Add</i>	44.50	
23 05 23 00-0099 EA 4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	336.08	33.74
<i>For True Union Socket Or Thread Type, Add</i>	75.79	
<i>For Work In Restricted Working Space, Add</i>	50.62	
<b>23 05 23 00-0100 Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0063)</b>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0101 EA 1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	83.11	15.71
For Full Port, Add	16.82	
For Work In Restricted Working Space, Add	13.72	
23 05 23 00-0102 EA 3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	85.51	15.71
For Full Port, Add	16.82	
For Work In Restricted Working Space, Add	14.44	
23 05 23 00-0103 EA 1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	88.03	15.71
For Full Port, Add	16.82	
For Work In Restricted Working Space, Add	15.20	
23 05 23 00-0104 EA 3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	107.90	17.27
For Full Port, Add	17.83	
For Work In Restricted Working Space, Add	20.48	
23 05 23 00-0105 EA 1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	141.35	19.63
For Full Port, Add	26.41	
For Work In Restricted Working Space, Add	24.80	
23 05 23 00-0106 EA 1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve .....	185.03	20.89
For Full Port, Add	36.15	
For Work In Restricted Working Space, Add	31.41	
23 05 23 00-0107 EA 1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve .....	227.61	24.18
For Full Port, Add	48.06	
For Work In Restricted Working Space, Add	36.24	
23 05 23 00-0108 EA 2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	316.59	28.59
For Full Port, Add	78.22	
For Work In Restricted Working Space, Add	42.83	
23 05 23 00-0109 EA 2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve .....	614.68	38.61
For Full Port, Add	189.83	
For Work In Restricted Working Space, Add	57.85	
23 05 23 00-0110 EA 3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	892.38	44.83
For Full Port, Add	301.44	
For Work In Restricted Working Space, Add	66.76	
<b>23 05 23 00-0111 Plastic Ball Valves</b> <small>(23 05 23 00-0063)</small>		
Note: Threaded or socket.		
<b>23 05 23 00-0112 Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valves</b> <small>(23 05 23 00-0111)</small>		
23 05 23 00-0113 EA 3/8" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	69.41	10.47
23 05 23 00-0114 EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	72.48	10.47
23 05 23 00-0115 EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	91.47	11.52
23 05 23 00-0116 EA 1" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	119.34	13.09
23 05 23 00-0117 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	141.46	13.93
23 05 23 00-0118 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	171.87	16.12
23 05 23 00-0119 EA 2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	209.71	19.05
<b>23 05 23 00-0120 Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valves</b> <small>(23 05 23 00-0111)</small>		
23 05 23 00-0121 EA 3/8" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....	105.91	10.47
23 05 23 00-0122 EA 1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....	107.32	10.47
23 05 23 00-0123 EA 3/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....	134.60	11.52
23 05 23 00-0124 EA 1" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....	166.25	13.09
23 05 23 00-0125 EA 1-1/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....	252.27	13.93
23 05 23 00-0126 EA 1-1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....	279.60	16.12
23 05 23 00-0127 EA 2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....	335.71	19.05
<b>23 05 23 00-0128 Viton Liner And Seals, Polypropylene (PP) Ball Valves</b> <small>(23 05 23 00-0111)</small>		
23 05 23 00-0129 EA 3/8" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....	118.35	10.47
23 05 23 00-0130 EA 1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....	128.05	10.47
23 05 23 00-0131 EA 3/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....	146.21	11.52
23 05 23 00-0132 EA 1" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....	179.52	13.09
23 05 23 00-0133 EA 1-1/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....	225.73	13.93
23 05 23 00-0134 EA 1-1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....	271.30	16.12
23 05 23 00-0135 EA 2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....	352.29	19.05
<b>23 05 23 00-0136 Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valves</b> <small>(23 05 23 00-0111)</small>		
23 05 23 00-0137 EA 3/8" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	241.10	10.47
23 05 23 00-0138 EA 1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	257.44	10.47
23 05 23 00-0139 EA 3/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	305.45	11.52
23 05 23 00-0140 EA 1" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	357.01	13.09
23 05 23 00-0141 EA 1-1/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346) .....	434.74	13.93
23 05 23 00-0142 EA 1-1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346) .....	478.65	16.12
23 05 23 00-0143 EA 2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	551.35	19.05



	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0144			<b>Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valves</b> <small>(23 05 23 00-0111)</small>		
23 05 23 00-0145	EA		1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	46.19	10.47
23 05 23 00-0146	EA		3/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	61.86	11.52
23 05 23 00-0147	EA		1" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	75.02	13.09
23 05 23 00-0148	EA		1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	104.97	13.93
23 05 23 00-0149	EA		1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	115.71	16.12
23 05 23 00-0150	EA		2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	141.54	19.05
23 05 23 00-0151			<b>Plastic, True Union, Ball Valves</b> <small>(23 05 23 00-0063)</small>		
23 05 23 00-0152			<b>Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valves</b> <small>(23 05 23 00-0151)</small>		
			Note: Socket or NPT connectors.		
23 05 23 00-0153	EA		3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	115.03	10.47
23 05 23 00-0154	EA		1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	119.76	10.47
23 05 23 00-0155	EA		3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	144.55	11.52
23 05 23 00-0156	EA		1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	177.86	13.09
23 05 23 00-0157	EA		1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	214.12	13.93
23 05 23 00-0158	EA		1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	246.42	16.12
23 05 23 00-0159	EA		2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	302.53	19.05
23 05 23 00-0160			<b>Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valves</b> <small>(23 05 23 00-0151)</small>		
			Note: Socket or NPT connectors.		
23 05 23 00-0161	EA		3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	116.69	10.47
23 05 23 00-0162	EA		1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	136.35	10.47
23 05 23 00-0163	EA		3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	146.21	11.52
23 05 23 00-0164	EA		1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	177.86	13.09
23 05 23 00-0165	EA		1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	210.80	13.93
23 05 23 00-0166	EA		1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	244.76	16.12
23 05 23 00-0167	EA		2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	302.53	19.05
23 05 23 00-0168			<b>Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valves</b> <small>(23 05 23 00-0151)</small>		
			Note: Socket or NPT connectors.		
23 05 23 00-0169	EA		1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	61.70	10.47
23 05 23 00-0170	EA		3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	79.03	11.52
23 05 23 00-0171	EA		1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	94.92	13.09
23 05 23 00-0172	EA		1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	125.37	13.93
23 05 23 00-0173	EA		1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	146.89	16.12
23 05 23 00-0174	EA		2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	203.00	19.05
23 05 23 00-0175	EA		2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	284.49	25.75
23 05 23 00-0176	EA		3" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	360.67	29.89
23 05 23 00-0177	EA		4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	517.09	33.74

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0178			<b>Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valves</b> <small>(23 05 23 00-0151)</small>		
			Note: Socket or NPT connectors.		
23 05 23 00-0179	EA		1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	73.31	10.47
23 05 23 00-0180	EA		3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	95.61	11.52
23 05 23 00-0181	EA		1" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	118.14	13.09
23 05 23 00-0182	EA		1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	166.01	13.93
23 05 23 00-0183	EA		1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	181.73	16.12
23 05 23 00-0184	EA		2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	234.52	19.05
23 05 23 00-0185	EA		2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	410.56	25.75
23 05 23 00-0186	EA		3" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	480.10	29.89
23 05 23 00-0187	EA		4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	749.32	33.74
23 05 23 00-0188			<b>Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves</b> <small>(23 05 23 00-0151)</small>		
23 05 23 00-0189			<b>Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves</b> <small>(23 05 23 00-0188)</small>		
23 05 23 00-0190	EA		1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	59.93	10.47
23 05 23 00-0191	EA		3/8" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	61.53	10.47
23 05 23 00-0192	EA		1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	62.94	10.47
23 05 23 00-0193	EA		3/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	80.02	11.52
23 05 23 00-0194	EA		1" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	97.96	13.09
23 05 23 00-0195	EA		1-1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	119.84	13.93
23 05 23 00-0196	EA		1-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	144.39	16.12
23 05 23 00-0197	EA		2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	184.76	19.05
23 05 23 00-0198	EA		2-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	350.01	25.75
23 05 23 00-0199	EA		3" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	388.87	29.89
23 05 23 00-0200	EA		4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	542.80	33.74
23 05 23 00-0201			<b>Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves</b> <small>(23 05 23 00-0188)</small>		
23 05 23 00-0202	EA		1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	59.93	10.47
23 05 23 00-0203	EA		3/8" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	61.53	10.47
23 05 23 00-0204	EA		1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	62.94	10.47
23 05 23 00-0205	EA		3/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	80.02	11.52
23 05 23 00-0206	EA		1" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	97.96	13.09
23 05 23 00-0207	EA		1-1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	119.84	13.93
23 05 23 00-0208	EA		1-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	144.39	16.12
23 05 23 00-0209	EA		2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	184.76	19.05
23 05 23 00-0210	EA		2-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	350.01	25.75
23 05 23 00-0211	EA		3" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	388.87	29.89
23 05 23 00-0212	EA		4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	542.80	33.74
23 05 23 00-0213			<b>Globe Valves</b> <small>(23 05 23)</small>		
23 05 23 00-0214			<b>Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves</b> <small>(23 05 23 00-0213)</small>		
23 05 23 00-0215	EA		1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	68.84	10.47
			For 150 LB Rating, Add.....	10.87	
			For 200 LB Rating, Add.....	13.32	
			For 250 LB Rating, Add.....	15.78	
			For 300 LB Rating, Add.....	19.28	
			For Work In Restricted Working Space, Add.....	10.13	
23 05 23 00-0216	EA		1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	65.55	10.47
			For 150 LB Rating, Add.....	10.87	
			For 200 LB Rating, Add.....	13.32	
			For 250 LB Rating, Add.....	15.78	
			For 300 LB Rating, Add.....	19.28	
			For Work In Restricted Working Space, Add.....	9.15	
23 05 23 00-0217	EA		3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	84.43	10.47
			For 150 LB Rating, Add.....	16.23	
			For 200 LB Rating, Add.....	19.89	
			For 250 LB Rating, Add.....	23.55	
			For 300 LB Rating, Add.....	28.79	
			For Work In Restricted Working Space, Add.....	9.63	
23 05 23 00-0218	EA		1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	86.12	10.47
			For 150 LB Rating, Add.....	16.23	
			For 200 LB Rating, Add.....	19.89	
			For 250 LB Rating, Add.....	23.55	
			For 300 LB Rating, Add.....	28.79	
			For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add.....	71.09	
			For Work In Restricted Working Space, Add.....	10.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0219 EA 3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve .....	102.25	10.99
<i>For 150 LB Rating, Add</i>	17.59	
<i>For 200 LB Rating, Add</i>	21.56	
<i>For 250 LB Rating, Add</i>	25.53	
<i>For 300 LB Rating, Add</i>	31.20	
<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	80.61	
<i>For Work In Restricted Working Space, Add</i>	13.66	
23 05 23 00-0220 EA 1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve .....	131.79	10.99
<i>For 150 LB Rating, Add</i>	23.77	
<i>For 200 LB Rating, Add</i>	29.14	
<i>For 250 LB Rating, Add</i>	34.51	
<i>For 300 LB Rating, Add</i>	42.17	
<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	106.39	
<i>For Work In Restricted Working Space, Add</i>	16.53	
23 05 23 00-0221 EA 1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve .....	202.24	13.93
<i>For 150 LB Rating, Add</i>	41.06	
<i>For 200 LB Rating, Add</i>	50.33	
<i>For 250 LB Rating, Add</i>	59.60	
<i>For 300 LB Rating, Add</i>	72.84	
<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	173.60	
<i>For Work In Restricted Working Space, Add</i>	20.94	
23 05 23 00-0222 EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve .....	269.81	16.12
<i>For 150 LB Rating, Add</i>	58.67	
<i>For 200 LB Rating, Add</i>	71.92	
<i>For 250 LB Rating, Add</i>	85.17	
<i>For 300 LB Rating, Add</i>	104.10	
<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	240.41	
<i>For Work In Restricted Working Space, Add</i>	24.16	
23 05 23 00-0223 EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve .....	317.69	19.05
<i>For 150 LB Rating, Add</i>	68.98	
<i>For 200 LB Rating, Add</i>	84.55	
<i>For 250 LB Rating, Add</i>	100.13	
<i>For 300 LB Rating, Add</i>	122.38	
<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	282.83	
<i>For Work In Restricted Working Space, Add</i>	28.55	
23 05 23 00-0224 EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve .....	352.90	25.75
<i>For 150 LB Rating, Add</i>	69.55	
<i>For 200 LB Rating, Add</i>	85.25	
<i>For 250 LB Rating, Add</i>	100.95	
<i>For 300 LB Rating, Add</i>	123.39	
<i>For Work In Restricted Working Space, Add</i>	38.57	
23 05 23 00-0225 EA 3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB .....	650.94	29.89
<i>For 150 LB Rating, Add</i>	155.81	
<i>For 200 LB Rating, Add</i>	190.99	
<i>For 250 LB Rating, Add</i>	226.17	
<i>For 300 LB Rating, Add</i>	276.43	
<i>For Work In Restricted Working Space, Add</i>	44.50	
<b>23 05 23 00-0226 Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves</b> <small>(23 05 23 00-0213)</small>		
23 05 23 00-0227 EA 2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	486.11	19.05
<i>For 150 LB Rating, Add</i>	121.19	
<i>For 200 LB Rating, Add</i>	148.55	
<i>For 250 LB Rating, Add</i>	175.92	
<i>For 300 LB Rating, Add</i>	215.01	
<i>For Chain Operated Type, Add</i>	326.43	
<i>For Work In Restricted Working Space, Add</i>	28.55	
23 05 23 00-0228 EA 2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	602.42	25.75
<i>For 150 LB Rating, Add</i>	146.90	
<i>For 200 LB Rating, Add</i>	180.07	
<i>For 250 LB Rating, Add</i>	213.24	
<i>For 300 LB Rating, Add</i>	260.62	
<i>For Chain Operated Type, Add</i>	395.67	
<i>For Work In Restricted Working Space, Add</i>	38.57	
23 05 23 00-0229 EA 3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	716.97	29.89
<i>For 150 LB Rating, Add</i>	176.28	
<i>For 200 LB Rating, Add</i>	216.08	
<i>For 250 LB Rating, Add</i>	255.88	
<i>For 300 LB Rating, Add</i>	312.75	
<i>For Chain Operated Type, Add</i>	474.81	
<i>For Work In Restricted Working Space, Add</i>	44.50	
23 05 23 00-0230 EA 4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	926.86	33.74
<i>For 150 LB Rating, Add</i>	235.03	
<i>For 200 LB Rating, Add</i>	288.10	
<i>For 250 LB Rating, Add</i>	341.18	
<i>For 300 LB Rating, Add</i>	416.99	
<i>For Chain Operated Type, Add</i>	633.07	
<i>For Work In Restricted Working Space, Add</i>	50.61	
<b>23 05 23 00-0231 Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves</b> <small>(23 05 23 00-0213)</small>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0232	EA		2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	391.74	139.57
			For 150 LB Rating, Add	67.34	
			For 250 LB Rating, Add	97.76	
			For Chain Operated Type, Add	108.62	
			For Work In Restricted Working Space, Add	52.35	
23 05 23 00-0233	EA		2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	440.14	139.81
			For 150 LB Rating, Add	82.10	
			For 250 LB Rating, Add	119.17	
			For Chain Operated Type, Add	132.42	
			For Work In Restricted Working Space, Add	52.59	
23 05 23 00-0234	EA		3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	522.94	163.92
			For 150 LB Rating, Add	98.51	
			For 250 LB Rating, Add	143.01	
			For Chain Operated Type, Add	158.90	
			For Work In Restricted Working Space, Add	61.55	
23 05 23 00-0235	EA		4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	768.08	274.80
			For 150 LB Rating, Add	131.35	
			For 250 LB Rating, Add	190.67	
			For Chain Operated Type, Add	211.86	
			For Work In Restricted Working Space, Add	103.31	
23 05 23 00-0236	EA		5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	959.86	296.94
			For 150 LB Rating, Add	182.66	
			For 250 LB Rating, Add	265.16	
			For Chain Operated Type, Add	294.62	
			For Work In Restricted Working Space, Add	111.19	
23 05 23 00-0237	EA		6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	1,158.74	329.95
			For 150 LB Rating, Add	230.90	
			For 250 LB Rating, Add	335.17	
			For Chain Operated Type, Add	372.42	
			For Work In Restricted Working Space, Add	124.17	
23 05 23 00-0238	EA		8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	1,669.09	421.60
			For 150 LB Rating, Add	355.07	
			For 250 LB Rating, Add	515.42	
			For Chain Operated Type, Add	572.69	
			For Work In Restricted Working Space, Add	157.11	
23 05 23 00-0239	EA		10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	2,386.10	513.25
			For 150 LB Rating, Add	540.81	
			For 250 LB Rating, Add	785.05	
			For Chain Operated Type, Add	872.28	
			For Work In Restricted Working Space, Add	192.47	
23 05 23 00-0240	EA		12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	4,078.80	623.22
			For 150 LB Rating, Add	1,023.36	
			For 250 LB Rating, Add	1,485.52	
			For Chain Operated Type, Add	1,650.58	
			For Work In Restricted Working Space, Add	233.29	
<b>23 05 23 00-0241</b>			<b>Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves</b> <small>(23 05 23 00-0213)</small>		
23 05 23 00-0242	EA		1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	60.34	10.47
			For 150 LB Rating, Add	8.23	
			For 200 LB Rating, Add	10.09	
			For 300 LB Rating, Add	14.61	
			For Work In Restricted Working Space, Add	10.13	
23 05 23 00-0243	EA		1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	57.05	10.47
			For 150 LB Rating, Add	8.23	
			For 200 LB Rating, Add	10.09	
			For 300 LB Rating, Add	14.61	
			For Work In Restricted Working Space, Add	9.15	
23 05 23 00-0244	EA		3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	58.65	10.47
			For 150 LB Rating, Add	8.23	
			For 200 LB Rating, Add	10.09	
			For 300 LB Rating, Add	14.61	
			For Work In Restricted Working Space, Add	9.63	
23 05 23 00-0245	EA		1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	62.11	10.47
			For 150 LB Rating, Add	8.78	
			For 200 LB Rating, Add	10.77	
			For 300 LB Rating, Add	15.58	
			For Work In Restricted Working Space, Add	10.13	
23 05 23 00-0246	EA		3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	84.81	10.99
			For 150 LB Rating, Add	12.18	
			For 200 LB Rating, Add	14.93	
			For 300 LB Rating, Add	21.61	
			For Work In Restricted Working Space, Add	13.66	
23 05 23 00-0247	EA		1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	106.66	10.99
			For 150 LB Rating, Add	15.98	
			For 200 LB Rating, Add	19.59	
			For 300 LB Rating, Add	28.35	
			For Work In Restricted Working Space, Add	16.53	
23 05 23 00-0248	EA		1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	146.38	13.93
			For 150 LB Rating, Add	23.74	
			For 200 LB Rating, Add	29.10	
			For 300 LB Rating, Add	42.12	
			For Work In Restricted Working Space, Add	20.94	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0249 EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	169.83	16.12
<i>For 150 LB Rating, Add</i>	27.68	
<i>For 200 LB Rating, Add</i>	33.93	
<i>For 300 LB Rating, Add</i>	49.11	
<i>For Work In Restricted Working Space, Add</i>	24.16	
23 05 23 00-0250 EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	229.67	19.05
<i>For 150 LB Rating, Add</i>	41.69	
<i>For 200 LB Rating, Add</i>	51.11	
<i>For 300 LB Rating, Add</i>	73.97	
<i>For Work In Restricted Working Space, Add</i>	28.55	
23 05 23 00-0251 EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	382.19	27.95
<i>For 150 LB Rating, Add</i>	75.20	
<i>For 200 LB Rating, Add</i>	92.18	
<i>For 300 LB Rating, Add</i>	133.42	
<i>For Work In Restricted Working Space, Add</i>	41.88	
23 05 23 00-0252 EA 3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	571.90	32.46
<i>For 150 LB Rating, Add</i>	127.36	
<i>For 200 LB Rating, Add</i>	156.12	
<i>For 300 LB Rating, Add</i>	225.96	
<i>For Work In Restricted Working Space, Add</i>	48.32	
<b>23 05 23 00-0253 Flanged, 125 LB, Iron Body, Angle Globe Valves (23 05 23 00-0213)</b>		
23 05 23 00-0254 EA 2" Flanged, 125 LB, Iron Body, Angle Globe Valve.....	733.42	139.57
<i>For 250 LB Rating, Add</i>	335.35	
<i>For Chain Operated Type, Add</i>	217.98	
<i>For Work In Restricted Working Space, Add</i>	52.35	
23 05 23 00-0255 EA 2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve.....	836.33	139.81
<i>For 250 LB Rating, Add</i>	396.61	
<i>For Chain Operated Type, Add</i>	257.80	
<i>For Work In Restricted Working Space, Add</i>	52.59	
23 05 23 00-0256 EA 3" Flanged, 125 LB, Iron Body, Angle Globe Valve.....	984.12	163.92
<i>For 250 LB Rating, Add</i>	467.38	
<i>For Chain Operated Type, Add</i>	303.80	
<i>For Work In Restricted Working Space, Add</i>	61.55	
23 05 23 00-0257 EA 4" Flanged, 125 LB, Iron Body, Angle Globe Valve.....	1,456.95	274.80
<i>For 250 LB Rating, Add</i>	667.55	
<i>For Chain Operated Type, Add</i>	433.91	
<i>For Work In Restricted Working Space, Add</i>	103.31	
23 05 23 00-0258 EA 5" Flanged, 125 LB, Iron Body, Angle Globe Valve.....	2,364.58	296.94
<i>For 250 LB Rating, Add</i>	1,196.38	
<i>For Chain Operated Type, Add</i>	777.64	
<i>For Work In Restricted Working Space, Add</i>	111.19	
23 05 23 00-0259 EA 6" Flanged, 125 LB, Iron Body, Angle Globe Valve.....	2,407.87	329.95
<i>For 250 LB Rating, Add</i>	1,196.38	
<i>For Chain Operated Type, Add</i>	777.64	
<i>For Work In Restricted Working Space, Add</i>	124.17	
23 05 23 00-0260 EA 8" Flanged, 125 LB, Iron Body, Angle Globe Valve.....	4,426.29	421.60
<i>For 250 LB Rating, Add</i>	2,341.55	
<i>For Chain Operated Type, Add</i>	1,522.01	
<i>For Work In Restricted Working Space, Add</i>	157.11	
<b>23 05 23 00-0261 Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves (23 05 23 00-0213)</b>		
<i>Note: 800 PSIG at 850 degrees F.</i>		
23 05 23 00-0262 EA 1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	200.39	16.96
<i>For Work In Restricted Working Space, Add</i>	9.15	
23 05 23 00-0263 EA 1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	203.68	16.96
<i>For Work In Restricted Working Space, Add</i>	10.13	
23 05 23 00-0264 EA 3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	238.80	22.82
<i>For Work In Restricted Working Space, Add</i>	13.66	
23 05 23 00-0265 EA 1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	295.15	27.54
<i>For Work In Restricted Working Space, Add</i>	16.53	
23 05 23 00-0266 EA 1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	481.30	34.86
<i>For Work In Restricted Working Space, Add</i>	20.94	
23 05 23 00-0267 EA 1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	577.77	40.30
<i>For Work In Restricted Working Space, Add</i>	24.16	
23 05 23 00-0268 EA 2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	735.81	47.64
<i>For Work In Restricted Working Space, Add</i>	28.55	
<b>23 05 23 00-0269 Triple Duty Valves (23 05 23)</b>		
<i>Note: Valves function as a shut-off, check valve and calibrated balancing valve.</i>		
<b>23 05 23 00-0270 Straight Pattern, Triple Duty Valves (23 05 23 00-0269)</b>		
<i>Note: Bell &amp; Gossett 3DX and 3DS-S Series.</i>		
23 05 23 00-0271 EA 1" Threaded, Straight Pattern, Triple Duty Valve.....	300.93	10.99
23 05 23 00-0272 EA 1-1/4" Threaded, Straight Pattern, Triple Duty Valve.....	348.07	13.93
23 05 23 00-0273 EA 1-1/2" Threaded, Straight Pattern, Triple Duty Valve.....	377.40	16.12
23 05 23 00-0274 EA 2" Flanged, Straight Pattern, Triple Duty Valve.....	981.68	139.57
23 05 23 00-0275 EA 2-1/2" Flanged, Straight Pattern, Triple Duty Valve.....	1,107.74	139.81
23 05 23 00-0276 EA 3" Flanged, Straight Pattern, Triple Duty Valve.....	1,211.80	163.92
23 05 23 00-0277 EA 4" Flanged, Straight Pattern, Triple Duty Valve.....	2,487.56	274.80
23 05 23 00-0278 EA 5" Flanged, Straight Pattern Triple Duty Valve.....	2,898.85	296.94

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0279 EA 6" Flanged, Straight Pattern, Triple Duty Valve.....	3,865.30	329.95
23 05 23 00-0280 EA 8" Flanged, Straight Pattern, Triple Duty Valve.....	5,209.06	421.60
23 05 23 00-0281 EA 10" Flanged, Straight Pattern, Triple Duty Valve.....	8,379.34	513.25
<b>23 05 23 00-0282 Flanged, Angle Pattern, Triple Duty Valves (23 05 23 00-0269)</b>		
Note: Bell & Gossett 3D-S Series.		
23 05 23 00-0283 EA 2" Flanged, Angle Pattern, Triple Duty Valve.....	958.48	139.57
23 05 23 00-0284 EA 2-1/2" Flanged, Angle Pattern, Triple Duty Valve.....	1,079.91	139.81
23 05 23 00-0285 EA 3" Flanged, Angle Pattern, Triple Duty Valve.....	1,188.61	163.92
23 05 23 00-0286 EA 4" Flanged, Angle Pattern, Triple Duty Valve.....	2,427.25	274.80
23 05 23 00-0287 EA 5" Flanged, Angle Pattern, Triple Duty Valve.....	2,824.63	296.94
23 05 23 00-0288 EA 6" Flanged, Angle Pattern, Triple Duty Valve.....	3,169.45	329.95
23 05 23 00-0289 EA 8" Flanged, Angle Pattern, Triple Duty Valve.....	4,879.69	421.60
23 05 23 00-0290 EA 10" Flanged, Angle Pattern, Triple Duty Valve.....	6,528.39	513.25
<b>23 05 23 00-0291 Balanced, Straight Pattern, Triple Duty Valves (23 05 23 00-0269)</b>		
Note: Bell & Gossett 3DS-B Series.		
23 05 23 00-0292 EA 3" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	1,109.75	163.92
23 05 23 00-0293 EA 4" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	2,218.50	274.80
23 05 23 00-0294 EA 5" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	2,588.04	296.94
23 05 23 00-0295 EA 6" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	3,443.15	329.95
23 05 23 00-0296 EA 8" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	4,633.83	421.60
23 05 23 00-0297 EA 10" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	7,419.07	513.25
23 05 23 00-0298 EA 12" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	11,187.59	623.22
23 05 23 00-0299 EA 14" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	13,601.16	733.20
23 05 23 00-0300 EA 16" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	17,055.25	806.53
<b>23 05 23 00-0301 Grooved Straight Pattern, Triple Duty Valves (23 05 23 00-0269)</b>		
Note: Bell & Gossett 3DS-G Series.		
23 05 23 00-0302 EA 2" Grooved, Straight Pattern, Triple Duty Valve.....	1,058.79	25.86
23 05 23 00-0303 EA 2-1/2" Grooved, Straight Pattern, Triple Duty Valve.....	1,261.98	30.86
23 05 23 00-0304 EA 3" Grooved, Straight Pattern, Triple Duty Valve.....	1,469.66	33.46
23 05 23 00-0305 EA 4" Grooved, Straight Pattern, Triple Duty Valve.....	2,443.54	36.06
23 05 23 00-0306 EA 5" Grooved, Straight Pattern, Triple Duty Valve.....	2,829.84	46.74
23 05 23 00-0307 EA 6" Grooved, Straight Pattern Triple Duty Valve.....	3,773.14	59.94
23 05 23 00-0308 EA 8" Grooved, Straight Pattern Triple Duty Valve.....	5,132.99	76.07
23 05 23 00-0309 EA 10" Grooved, Straight Pattern Triple Duty Valve.....	8,107.32	85.23
23 05 23 00-0310 EA 12" Grooved, Straight Pattern Triple Duty Valve.....	12,879.12	103.93
<b>23 05 23 00-0311 Plug Valves (23 05 23)</b>		
<b>23 05 23 00-0312 Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated (23 05 23 00-0311)</b>		
Note: Includes wrench.		
23 05 23 00-0313 EA 1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	282.29	10.47
23 05 23 00-0314 EA 3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	294.03	11.52
23 05 23 00-0315 EA 1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	372.09	13.09
23 05 23 00-0316 EA 1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	445.10	13.93
23 05 23 00-0317 EA 1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	488.81	16.12
23 05 23 00-0318 EA 2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	576.99	19.05
23 05 23 00-0319 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	866.49	25.75
23 05 23 00-0320 EA 3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	1,061.24	29.89
<b>23 05 23 00-0321 Plug Valves, Lubricated, Semisteel Flanged (23 05 23 00-0311)</b>		
Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0322 EA 2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	406.49	139.57
23 05 23 00-0323 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	480.89	139.81
23 05 23 00-0324 EA 3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	589.13	163.92
23 05 23 00-0325 EA 4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	864.33	274.80
23 05 23 00-0326 EA 6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	1,801.02	329.95
23 05 23 00-0327 EA 8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	3,022.75	421.60
23 05 23 00-0328 EA 10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	4,806.09	513.25
23 05 23 00-0329 EA 12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	7,098.84	623.22
<b>23 05 23 00-0330 Plug Valves, Forged Steel, Screwed (23 05 23 00-0311)</b>		
23 05 23 00-0331 EA 1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,096.75	10.47
23 05 23 00-0332 EA 3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,295.26	11.52
23 05 23 00-0333 EA 1" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,463.95	13.09
23 05 23 00-0334 EA 1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,756.10	13.93
23 05 23 00-0335 EA 1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	2,045.08	16.12
23 05 23 00-0336 EA 2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	2,691.51	19.05
<b>23 05 23 00-0337 Plug Valves, Eccentric, Cast Iron Flanged (23 05 23 00-0311)</b>		
23 05 23 00-0338 EA 4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,102.92	274.80
23 05 23 00-0339 EA 6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,714.65	329.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0340 EA 8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	2,336.81	421.60
23 05 23 00-0341 EA 10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	3,325.13	513.25
23 05 23 00-0342 EA 12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	4,299.35	623.22
<b>23 05 23 00-0343 Foot Valves (23 05 23)</b>		
<b>23 05 23 00-0344 Single Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0343)</b>		
23 05 23 00-0345 EA 1" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	89.14	26.19
23 05 23 00-0346 EA 1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	101.52	29.32
23 05 23 00-0347 EA 1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	131.02	33.52
23 05 23 00-0348 EA 2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	173.49	37.71
23 05 23 00-0349 EA 2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	400.18	61.79
23 05 23 00-0350 EA 3" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	512.43	75.41
<b>23 05 23 00-0351 Double Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0343)</b>		
23 05 23 00-0352 EA 1" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	89.14	26.19
23 05 23 00-0353 EA 1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	196.01	29.32
23 05 23 00-0354 EA 1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	185.53	33.52
23 05 23 00-0355 EA 2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	253.41	37.71
23 05 23 00-0356 EA 3" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	499.25	61.79
23 05 23 00-0357 EA 4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	680.54	74.37
<b>23 05 23 00-0358 Float Valves (23 05 23)</b>		
<b>23 05 23 00-0359 Float Valve Assembly For Maintaining Liquid Level In Tanks (23 05 23 00-0358)</b>		
<b>23 05 23 00-0360 Single Seat, Bronze Construction (23 05 23 00-0359)</b>		
Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0361 EA Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve.....	214.79	21.99
23 05 23 00-0362 EA Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve.....	246.02	26.18
23 05 23 00-0363 EA Inlet Size 1", Maximum PSI 100, Single Seat Float Valve.....	320.43	28.26
23 05 23 00-0364 EA Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve.....	536.87	35.60
23 05 23 00-0365 EA Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve.....	547.34	40.83
<b>23 05 23 00-0366 Double Seat, Bronze Construction (23 05 23 00-0359)</b>		
Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0367 EA Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve.....	1,171.18	21.99
23 05 23 00-0368 EA Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve.....	1,179.56	26.18
23 05 23 00-0369 EA Pipe Size 1" Maximum PSI 150, Double Seat Float Valve.....	1,362.03	28.26
23 05 23 00-0370 EA Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve.....	1,504.78	35.60
23 05 23 00-0371 EA Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve.....	1,720.20	40.83
23 05 23 00-0372 EA Pipe Size 2" Maximum PSI 150, Double Seat Float Valve.....	2,257.47	48.16
23 05 23 00-0373 EA Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve.....	2,623.47	64.60
23 05 23 00-0374 EA Pipe Size 3" Maximum PSI 150, Double Seat Float Valve.....	3,156.08	74.24
<b>23 05 23 00-0375 Float Valve Single Seated Balanced For Air Oil Or Water (23 05 23 00-0358)</b>		
Note: Includes arm, ball and bracket.		
<b>23 05 23 00-0376 Brass Body Threaded Ends (23 05 23 00-0375)</b>		
23 05 23 00-0377 EA 1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	223.75	28.37
23 05 23 00-0378 EA 3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	253.08	31.52
23 05 23 00-0379 EA 1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	314.44	34.86
23 05 23 00-0380 EA 1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	502.46	56.33
23 05 23 00-0381 EA 1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	525.07	64.18
23 05 23 00-0382 EA 2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	589.54	79.57
<b>23 05 23 00-0383 Cast Iron Body Flanged (23 05 23 00-0375)</b>		
23 05 23 00-0384 EA 2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	7,378.66	139.81
23 05 23 00-0385 EA 3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	8,922.58	163.92
<b>23 05 23 00-0386 Float Operated Valves (23 05 23 00-0358)</b>		
<b>23 05 23 00-0387 For Condensate Receivers Tanks And Vessels (23 05 23 00-0386)</b>		
Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0388 EA 1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	815.49	49.21
<b>23 05 23 00-0389 For Condensate Receivers Tanks And Vessels (23 05 23 00-0386)</b>		
Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0390 EA 3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	1,021.38	91.60
<b>23 05 23 00-0391 Needle Valves (23 05 23)</b>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 23 00-0392</b>	<b>Bronze Needle Valve</b> <small>(23 05 23 00-0391)</small> Note: For heating and cooling applications.		
23 05 23 00-0393	EA 1/4" Needle Valve, Bronze.....	111.24	10.47
23 05 23 00-0394	EA 3/8" Needle Valve, Bronze.....	124.21	10.47
23 05 23 00-0395	EA 1/2" Needle Valve, Bronze.....	136.00	10.47
23 05 23 00-0396	EA 3/4" Needle Valve, Bronze.....	206.97	11.52
23 05 23 00-0397	EA 1" Needle Valve, Bronze.....	318.47	13.09
<b>23 05 23 00-0398</b>	<b>Eccentric Valves With Taps</b> <small>(23 05 23)</small>		
<b>23 05 23 00-0399</b>	<b>Screwed Eccentric Valves With Taps</b> <small>(23 05 23 00-0398)</small>		
23 05 23 00-0400	EA 1/2" Diameter Eccentric Valves With Taps, Screwed.....	217.34	10.47
23 05 23 00-0401	EA 3/4" Diameter Eccentric Valves With Taps, Screwed.....	231.90	11.52
23 05 23 00-0402	EA 1" Diameter Eccentric Valves With Taps, Screwed.....	292.33	13.09
23 05 23 00-0403	EA 1-1/4" Diameter Eccentric Valves With Taps, Screwed.....	355.02	13.93
23 05 23 00-0404	EA 1-1/2" Diameter Eccentric Valves With Taps, Screwed.....	388.36	16.12
23 05 23 00-0405	EA 2" Diameter Eccentric Valves With Taps, Screwed.....	456.65	19.05
23 05 23 00-0406	EA 2-1/2" Diameter Eccentric Valves With Taps, Screwed.....	687.71	25.75
23 05 23 00-0407	EA 3" Diameter Eccentric Valves With Taps, Screwed.....	834.57	29.89
<b>23 05 23 00-0408</b>	<b>Flanged Eccentric Valves With Taps</b> <small>(23 05 23 00-0398)</small>		
23 05 23 00-0409	EA 2-1/2" Diameter Eccentric Valves With Taps, Flanged.....	838.95	139.81
23 05 23 00-0410	EA 3" Diameter Eccentric Valves With Taps, Flanged.....	995.87	163.92
23 05 23 00-0411	EA 4" Diameter Eccentric Valves With Taps, Flanged.....	1,346.88	274.80
23 05 23 00-0412	EA 5" Diameter Eccentric Valves With Taps, Flanged.....	1,782.62	296.94
23 05 23 00-0413	EA 6" Diameter Eccentric Valves With Taps, Flanged.....	2,249.51	329.95
23 05 23 00-0414	EA 8" Diameter Eccentric Valves With Taps, Flanged.....	3,841.91	421.60
23 05 23 00-0415	EA 10" Diameter Eccentric Valves With Taps, Flanged.....	5,371.75	513.25
23 05 23 00-0416	EA 12" Diameter Eccentric Valves With Taps, Flanged.....	9,179.04	623.22
<b>23 05 23 00-0417</b>	<b>Earthquake-Sensitive Gas Shut-Off Valve</b> <small>(23 05 23)</small>		
<b>23 05 23 00-0418</b>	<b>0.5 PSI Threaded Earthquake Gas Shutoff Valves</b> <small>(23 05 23 00-0417)</small>		
23 05 23 00-0419	EA 3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve.....	159.88	11.52
23 05 23 00-0420	EA 1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve.....	181.01	13.09
<b>23 05 23 00-0421</b>	<b>7 PSI Threaded Earthquake Gas Shutoff Valves</b> <small>(23 05 23 00-0417)</small>		
23 05 23 00-0422	EA 1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve.....	211.44	13.93
23 05 23 00-0423	EA 1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve.....	285.13	16.12
<b>23 05 23 00-0424</b>	<b>60 PSI Threaded Earthquake Gas Shutoff Valves</b> <small>(23 05 23 00-0417)</small>		
23 05 23 00-0425	EA 3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	197.65	11.52
23 05 23 00-0426	EA 1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	207.24	13.09
23 05 23 00-0427	EA 1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	232.43	13.93
23 05 23 00-0428	EA 1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	316.61	16.12
23 05 23 00-0429	EA 2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	724.70	19.05
23 05 23 00-0430	EA 2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	862.54	25.65
23 05 23 00-0431	EA 3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	1,118.85	29.89
23 05 23 00-0432	EA 4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	1,296.64	33.74
<b>23 05 23 00-0433</b>	<b>60 PSI Flanged Earthquake Gas Shutoff Valves</b> <small>(23 05 23 00-0417)</small>		
23 05 23 00-0434	EA 2" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,013.86	139.57
23 05 23 00-0435	EA 3" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,249.10	163.92
23 05 23 00-0436	EA 4" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,760.78	274.80
23 05 23 00-0437	EA 6" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	2,879.53	329.95
23 05 23 00-0438	EA 8" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	7,763.19	421.60
<b>23 05 23 00-0439</b>	<b>Emergency Shut-Off Valve With Fusible Link</b> <small>(23 05 23)</small>		
<b>23 05 23 00-0440</b>	<b>Threaded, Fusible Brass Gate Valves (Morrison Bros. 939)</b> <small>(23 05 23 00-0439)</small> Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.		
23 05 23 00-0441	EA 1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	67.94	16.86
	For Work In Restricted Working Space, Add	9.15	
23 05 23 00-0442	EA 3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	69.58	17.79
	For Work In Restricted Working Space, Add	9.64	
23 05 23 00-0443	EA 1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	110.84	16.86
	For Work In Restricted Working Space, Add	10.13	
23 05 23 00-0444	EA 3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	216.63	22.72
	For Work In Restricted Working Space, Add	13.66	
23 05 23 00-0445	EA 1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	540.22	27.54
	For Work In Restricted Working Space, Add	16.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 23 00-0446</b> <b>Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)</b> <small>(23 05 23 00-0439)</small>		
Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
23 05 23 00-0447    EA    1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) .....	415.62	16.12
23 05 23 00-0448    EA    2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	449.16	19.05
23 05 23 00-0449    EA    3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	753.33	29.89
 <b>23 05 23 00-0450</b> <b>Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)</b> <small>(23 05 23 00-0439)</small>		
Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
23 05 23 00-0451    EA    2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) .....	608.50	139.57
23 05 23 00-0452    EA    3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) .....	982.95	163.92
23 05 23 00-0453    EA    4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) .....	2,235.43	274.80
 <b>23 05 23 00-0454</b> <b>Check Valves</b> <small>(23 05 23)</small>		
<b>23 05 23 00-0455</b> <b>Iron Body Wafer Type Check Valve</b> <small>(23 05 23 00-0454)</small>		
<b>23 05 23 00-0456</b> <b>Single Disk Type</b> <small>(23 05 23 00-0455)</small>		
23 05 23 00-0457    EA    2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB .....	445.20	139.63
For 150 LB Rating, Add	56.83	
For 200 LB Rating, Add	67.66	
For 300 LB Rating, Add	81.19	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	156.70	
23 05 23 00-0458    EA    2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB .....	529.97	139.90
For 150 LB Rating, Add	74.46	
For 200 LB Rating, Add	88.64	
For 300 LB Rating, Add	106.37	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	194.63	
23 05 23 00-0459    EA    3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB .....	653.43	164.02
For 150 LB Rating, Add	94.11	
For 200 LB Rating, Add	112.04	
For 300 LB Rating, Add	134.45	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	242.73	
23 05 23 00-0460    EA    4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB .....	951.57	274.97
For 150 LB Rating, Add	127.47	
For 200 LB Rating, Add	151.75	
For 300 LB Rating, Add	182.10	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	342.06	
23 05 23 00-0461    EA    6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB .....	1,433.17	385.92
For 150 LB Rating, Add	199.66	
For 200 LB Rating, Add	237.70	
For 300 LB Rating, Add	285.23	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	524.33	
23 05 23 00-0462    EA    8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB .....	2,011.83	443.81
For 150 LB Rating, Add	306.41	
For 200 LB Rating, Add	364.77	
For 300 LB Rating, Add	437.72	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	767.14	
23 05 23 00-0463    EA    10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB .....	3,010.74	540.29
For 150 LB Rating, Add	489.39	
For 200 LB Rating, Add	582.61	
For 300 LB Rating, Add	699.13	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,184.76	
 <b>23 05 23 00-0464</b> <b>Twin Disc Type</b> <small>(23 05 23 00-0455)</small>		
23 05 23 00-0465    EA    2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	605.39	139.63
For 150 LB Rating, Add	90.47	
For 200 LB Rating, Add	107.70	
For 300 LB Rating, Add	129.24	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	228.78	
23 05 23 00-0466    EA    2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	692.44	139.90
For 150 LB Rating, Add	108.58	
For 200 LB Rating, Add	129.26	
For 300 LB Rating, Add	155.11	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	267.75	
23 05 23 00-0467    EA    3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	808.51	164.02
For 150 LB Rating, Add	126.68	
For 200 LB Rating, Add	150.81	
For 300 LB Rating, Add	180.97	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	312.51	
23 05 23 00-0468    EA    4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,110.64	274.97
For 150 LB Rating, Add	160.87	
For 200 LB Rating, Add	191.52	
For 300 LB Rating, Add	229.82	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	413.65	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0469	EA		6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,717.72	385.92
			<i>For 150 LB Rating, Add</i>	259.42	
			<i>For 200 LB Rating, Add</i>	308.83	
			<i>For 300 LB Rating, Add</i>	370.60	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	652.38	
23 05 23 00-0470	EA		8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	2,437.86	443.81
			<i>For 150 LB Rating, Add</i>	396.18	
			<i>For 200 LB Rating, Add</i>	471.64	
			<i>For 300 LB Rating, Add</i>	565.97	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	959.21	
23 05 23 00-0471	EA		10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	3,663.35	530.63
			<i>For 150 LB Rating, Add</i>	627.42	
			<i>For 200 LB Rating, Add</i>	746.93	
			<i>For 300 LB Rating, Add</i>	896.32	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,479.60	
23 05 23 00-0472	EA		12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	4,820.54	656.06
			<i>For 150 LB Rating, Add</i>	840.61	
			<i>For 200 LB Rating, Add</i>	1,000.73	
			<i>For 300 LB Rating, Add</i>	1,200.87	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,964.84	
23 05 23 00-0473	EA		14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	9,175.04	776.47
			<i>For 150 LB Rating, Add</i>	1,709.35	
			<i>For 200 LB Rating, Add</i>	2,034.94	
			<i>For 300 LB Rating, Add</i>	2,441.93	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	3,869.95	
23 05 23 00-0474	EA		16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	12,630.24	911.06
			<i>For 150 LB Rating, Add</i>	2,413.20	
			<i>For 200 LB Rating, Add</i>	2,872.86	
			<i>For 300 LB Rating, Add</i>	3,447.43	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	5,398.91	
23 05 23 00-0475	EA		18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	16,867.78	1,014.58
			<i>For 150 LB Rating, Add</i>	3,276.51	
			<i>For 200 LB Rating, Add</i>	3,900.61	
			<i>For 300 LB Rating, Add</i>	4,680.73	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	7,274.16	
23 05 23 00-0476	EA		20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	20,082.09	1,138.81
			<i>For 150 LB Rating, Add</i>	3,918.30	
			<i>For 200 LB Rating, Add</i>	4,664.64	
			<i>For 300 LB Rating, Add</i>	5,597.57	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	8,681.06	
23 05 23 00-0477	EA		24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	26,268.74	1,397.64
			<i>For 150 LB Rating, Add</i>	5,148.51	
			<i>For 200 LB Rating, Add</i>	6,129.18	
			<i>For 300 LB Rating, Add</i>	7,355.02	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	11,382.93	
23 05 23 00-0478			<b>Lift Check Valves</b> (23 05 23 00-0454)		
23 05 23 00-0479			<b>Bronze Body, Threaded, Vertical Lift Check Valves</b> (23 05 23 00-0478)		
			Note: Watts #600 series.		
23 05 23 00-0480	EA		3/8" Lift Check Valve, Bronze, Threaded.....	114.40	10.47
23 05 23 00-0481	EA		1/2" Lift Check Valve, Bronze, Threaded.....	121.07	10.47
23 05 23 00-0482	EA		3/4" Lift Check Valve, Bronze, Threaded.....	154.23	10.99
23 05 23 00-0483	EA		1" Lift Check Valve, Bronze, Threaded.....	203.47	10.99
23 05 23 00-0484	EA		1-1/4" Lift Check Valve, Bronze, Threaded.....	282.46	13.93
23 05 23 00-0485	EA		1-1/2" Lift Check Valve, Bronze, Threaded.....	343.86	16.12
23 05 23 00-0486	EA		2" Lift Check Valve, Bronze, Threaded.....	491.09	19.05
23 05 23 00-0487			<b>Bronze Body, Threaded, 300 LB, Lift Check Valves</b> (23 05 23 00-0478)		
			Note: Crane 366E.		
23 05 23 00-0488	EA		1/2" Lift Check Valve, Bronze, Threaded, 300 LB.....	717.44	10.47
23 05 23 00-0489	EA		3/4" Lift Check Valve, Bronze, Threaded, 300 LB.....	871.22	10.99
23 05 23 00-0490	EA		1" Lift Check Valve, Bronze, Threaded, 300 LB.....	1,564.50	10.99
23 05 23 00-0491	EA		1-1/4" Lift Check Valve, Bronze, Threaded, 300 LB.....	2,085.27	13.93
23 05 23 00-0492	EA		1-1/2" Lift Check Valve, Bronze, Threaded, 300 LB.....	2,264.73	16.12
23 05 23 00-0493	EA		2" Lift Check Valve, Bronze, Threaded, 300 LB.....	2,909.71	19.05
23 05 23 00-0494			<b>Iron Body, Flanged, 125 LB Vertical Lift Check Valves</b> (23 05 23 00-0478)		
			Note: Mueller 105MAP.		
23 05 23 00-0495	EA		2" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,041.14	139.57
23 05 23 00-0496	EA		2-1/2" Lift Check Valve, Iron Body, Flanged, 125 LB.....	978.08	139.81
23 05 23 00-0497	EA		3" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,070.72	163.92
23 05 23 00-0498	EA		4" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,507.55	274.80
23 05 23 00-0499	EA		5" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,866.93	296.94
23 05 23 00-0500	EA		6" Lift Check Valve, Iron Body, Flanged, 125 LB.....	2,288.40	329.95
23 05 23 00-0501	EA		8" Lift Check Valve, Iron Body, Flanged, 125 LB.....	3,954.58	421.60
23 05 23 00-0502	EA		10" Lift Check Valve, Iron Body, Flanged, 125 LB.....	4,961.19	513.25
23 05 23 00-0503	EA		12" Lift Check Valve, Iron Body, Flanged, 125 LB.....	7,964.31	623.22
23 05 23 00-0504	EA		14" Lift Check Valve, Iron Body, Flanged, 125 LB.....	10,912.38	896.65
23 05 23 00-0505	EA		16" Lift Check Valve, Iron Body, Flanged, 125 LB.....	12,089.35	986.32



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0506	<b>Bronze Body Swing Check Valves</b> <small>(23 05 23 00-0454)</small>			
23 05 23 00-0507	<b>Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves</b> <small>(23 05 23 00-0506)</small>			
23 05 23 00-0508	EA 1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	.....	76.99	10.47
	<i>For 300 LB Rating, Add</i>		16.85	
	<i>For Work In Restricted Working Space, Add</i>		10.13	
23 05 23 00-0509	EA 1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	.....	73.70	10.47
	<i>For 300 LB Rating, Add</i>		16.85	
	<i>For Work In Restricted Working Space, Add</i>		9.15	
23 05 23 00-0510	EA 3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	.....	75.30	10.47
	<i>For 300 LB Rating, Add</i>		16.85	
	<i>For Work In Restricted Working Space, Add</i>		9.63	
23 05 23 00-0511	EA 1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	.....	78.68	10.47
	<i>For 300 LB Rating, Add</i>		17.51	
	<i>For Work In Restricted Working Space, Add</i>		10.13	
23 05 23 00-0512	EA 3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	.....	99.92	10.99
	<i>For 300 LB Rating, Add</i>		21.22	
	<i>For Work In Restricted Working Space, Add</i>		13.66	
23 05 23 00-0513	EA 1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	.....	128.99	10.99
	<i>For 300 LB Rating, Add</i>		28.81	
	<i>For Work In Restricted Working Space, Add</i>		16.53	
23 05 23 00-0514	EA 1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	.....	173.50	13.93
	<i>For 300 LB Rating, Add</i>		40.44	
	<i>For Work In Restricted Working Space, Add</i>		20.94	
23 05 23 00-0515	EA 1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	.....	225.76	16.12
	<i>For 300 LB Rating, Add</i>		56.64	
	<i>For Work In Restricted Working Space, Add</i>		24.16	
23 05 23 00-0516	EA 2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	.....	281.88	19.05
	<i>For 300 LB Rating, Add</i>		72.81	
	<i>For Work In Restricted Working Space, Add</i>		28.55	
23 05 23 00-0517	EA 2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	.....	557.76	25.75
	<i>For 300 LB Rating, Add</i>		167.39	
	<i>For Work In Restricted Working Space, Add</i>		38.57	
23 05 23 00-0518	EA 3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	.....	758.76	29.89
	<i>For 300 LB Rating, Add</i>		238.06	
	<i>For Work In Restricted Working Space, Add</i>		44.50	
23 05 23 00-0519	EA 4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	.....	859.50	33.74
	<i>For 300 LB Rating, Add</i>		269.40	
	<i>For Work In Restricted Working Space, Add</i>		50.62	
23 05 23 00-0520	<b>125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves</b> <small>(23 05 23 00-0454)</small>			
23 05 23 00-0521	EA 1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	.....	327.63	78.52
	<i>For 150 LB Rating, Add</i>		155.62	
	<i>For 250 LB Rating, Add</i>		297.52	
	<i>For Work In Restricted Working Space, Add</i>		29.63	
23 05 23 00-0522	EA 1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	.....	365.94	91.61
	<i>For 150 LB Rating, Add</i>		171.46	
	<i>For 250 LB Rating, Add</i>		327.78	
	<i>For Work In Restricted Working Space, Add</i>		34.14	
23 05 23 00-0523	EA 1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	.....	411.23	109.93
	<i>For 150 LB Rating, Add</i>		185.96	
	<i>For 250 LB Rating, Add</i>		355.51	
	<i>For Work In Restricted Working Space, Add</i>		41.33	
23 05 23 00-0524	EA 2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	.....	514.15	139.57
	<i>For 150 LB Rating, Add</i>		230.96	
	<i>For 250 LB Rating, Add</i>		441.55	
	<i>For Work In Restricted Working Space, Add</i>		52.35	
23 05 23 00-0525	EA 2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	.....	571.70	139.81
	<i>For 150 LB Rating, Add</i>		269.55	
	<i>For 250 LB Rating, Add</i>		515.31	
	<i>For Work In Restricted Working Space, Add</i>		52.59	
23 05 23 00-0526	EA 3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	.....	635.91	163.92
	<i>For 150 LB Rating, Add</i>		292.92	
	<i>For 250 LB Rating, Add</i>		559.99	
	<i>For Work In Restricted Working Space, Add</i>		61.55	
23 05 23 00-0527	EA 4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	.....	1,010.07	274.80
	<i>For 150 LB Rating, Add</i>		452.68	
	<i>For 250 LB Rating, Add</i>		865.42	
	<i>For Work In Restricted Working Space, Add</i>		103.31	
23 05 23 00-0528	EA 5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	.....	1,348.01	296.94
	<i>For 150 LB Rating, Add</i>		664.63	
	<i>For 250 LB Rating, Add</i>		1,270.61	
	<i>For Work In Restricted Working Space, Add</i>		111.19	
23 05 23 00-0529	EA 6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	.....	1,547.15	329.95
	<i>For 150 LB Rating, Add</i>		770.60	
	<i>For 250 LB Rating, Add</i>		1,473.21	
	<i>For Work In Restricted Working Space, Add</i>		124.17	
23 05 23 00-0530	EA 8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	.....	3,352.99	421.60
	<i>For 150 LB Rating, Add</i>		1,923.91	
	<i>For 250 LB Rating, Add</i>		3,678.06	
	<i>For Work In Restricted Working Space, Add</i>		157.11	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0531 EA 10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,492.81 2,618.86 5,006.64 192.47	513.25
23 05 23 00-0532 EA 12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,783.49 4,083.98 7,807.61 233.29	623.22
23 05 23 00-0533 EA 14" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,920.27 4,623.63 8,839.29 336.25	896.65
23 05 23 00-0534 EA 16" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	11,136.25 6,734.28 12,874.36 369.87	986.32
23 05 23 00-0535 EA 18" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	16,932.68 10,584.39 20,234.86 410.22	1,093.92
23 05 23 00-0536 EA 20" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	23,205.38 14,731.70 28,163.54 462.34	1,232.90
23 05 23 00-0537 EA 24" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	32,219.98 20,623.45 39,427.18 567.41	1,513.10
<b>23 05 23 00-0538 Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves (23 05 23 00-0454)</b> Note: 800 PSIG at 850 Degrees F.		
23 05 23 00-0539 EA 1/2" Class 800, Threaded, Forged Steel Swing Check Valve ..... <i>For Work In Restricted Working Space, Add</i>	183.42 10.13	10.47
23 05 23 00-0540 EA 3/4" 800, Threaded, Forged Steel Swing Check Valve ..... <i>For Work In Restricted Working Space, Add</i>	215.42 13.66	11.52
23 05 23 00-0541 EA 1" Class 800, Threaded, Forged Steel Swing Check Valve ..... <i>For Work In Restricted Working Space, Add</i>	254.63 16.53	13.09
23 05 23 00-0542 EA 1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve ..... <i>For Work In Restricted Working Space, Add</i>	396.09 20.94	13.93
23 05 23 00-0543 EA 1-1/2" 800, Threaded, Forged Steel Swing Check Valve ..... <i>For Work In Restricted Working Space, Add</i>	470.22 24.16	16.12
23 05 23 00-0544 EA 2" Class 800, Threaded, Forged Steel Swing Check Valve ..... <i>For Work In Restricted Working Space, Add</i>	637.61 28.55	19.05
<b>23 05 23 00-0545 Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End Connections (23 05 23 00-0454)</b>		
23 05 23 00-0546 EA 1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB ..... <i>For Work In Restricted Working Space, Add</i>	54.74 10.13	10.47
23 05 23 00-0547 EA 3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB ..... <i>For Work In Restricted Working Space, Add</i>	66.48 13.66	11.52
23 05 23 00-0548 EA 1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB ..... <i>For Work In Restricted Working Space, Add</i>	76.89 16.53	13.09
23 05 23 00-0549 EA 1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB ..... <i>For Work In Restricted Working Space, Add</i>	92.48 20.94	13.93
23 05 23 00-0550 EA 1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB ..... <i>For Work In Restricted Working Space, Add</i>	104.54 24.16	16.12
23 05 23 00-0551 EA 2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB ..... <i>For Work In Restricted Working Space, Add</i>	132.49 28.55	19.05
23 05 23 00-0552 EA 2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB ..... <i>For Work In Restricted Working Space, Add</i>	181.68 38.57	25.75
23 05 23 00-0553 EA 3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB ..... <i>For Work In Restricted Working Space, Add</i>	217.27 44.50	29.89
<b>23 05 23 00-0554 Polyvinyl Chloride (PVC) Body, Swing Check Valves (23 05 23 00-0454)</b>		
<b>23 05 23 00-0555 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals (23 05 23 00-0554)</b>		
23 05 23 00-0556 EA 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals ..... <i>For Work In Restricted Working Space, Add</i>	634.99 51.65	134.99
23 05 23 00-0557 EA 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals ..... <i>For Work In Restricted Working Space, Add</i>	801.15 85.08	229.00
23 05 23 00-0558 EA 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals ..... <i>For Work In Restricted Working Space, Add</i>	1,288.06 113.21	274.95
23 05 23 00-0559 EA 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals ..... <i>For Work In Restricted Working Space, Add</i>	1,729.53 128.31	348.27
<b>23 05 23 00-0560 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals (23 05 23 00-0554)</b>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0561 EA 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals ..... <i>For Work In Restricted Working Space, Add</i>	754.42 51.65	134.99
23 05 23 00-0562 EA 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals ..... <i>For Work In Restricted Working Space, Add</i>	1,064.89 85.08	229.00
23 05 23 00-0563 EA 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals ..... <i>For Work In Restricted Working Space, Add</i>	1,537.88 113.21	274.95
23 05 23 00-0564 EA 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals ..... <i>For Work In Restricted Working Space, Add</i>	2,028.11 128.31	348.27
<b>23 05 23 00-0565 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter Weights <small>(23 05 23 00-0564)</small></b>		
23 05 23 00-0566 EA 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights..... <i>For Work In Restricted Working Space, Add</i>	785.94 51.65	134.99
23 05 23 00-0567 EA 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights..... <i>For Work In Restricted Working Space, Add</i>	1,067.38 85.08	229.00
23 05 23 00-0568 EA 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights..... <i>For Work In Restricted Working Space, Add</i>	1,427.40 113.21	274.95
23 05 23 00-0569 EA 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights..... <i>For Work In Restricted Working Space, Add</i>	1,844.32 128.31	348.27
<b>23 05 23 00-0570 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals And Counter Weights <small>(23 05 23 00-0564)</small></b>		
23 05 23 00-0571 EA 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights ..... <i>For Work In Restricted Working Space, Add</i>	885.46 51.65	134.99
23 05 23 00-0572 EA 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights ..... <i>For Work In Restricted Working Space, Add</i>	1,212.53 85.08	229.00
23 05 23 00-0573 EA 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights ..... <i>For Work In Restricted Working Space, Add</i>	1,634.75 113.21	274.95
23 05 23 00-0574 EA 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights ..... <i>For Work In Restricted Working Space, Add</i>	2,093.14 128.31	348.27
<b>23 05 23 00-0575 Diaphragm Valves <small>(23 05 23)</small></b>		
<b>23 05 23 00-0576 Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves <small>(23 05 23 00-0575)</small></b>		
23 05 23 00-0577 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	270.35	31.33
23 05 23 00-0578 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	348.23	34.71
23 05 23 00-0579 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	375.99	42.91
23 05 23 00-0580 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated .....	598.05	64.12
23 05 23 00-0581 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	970.96	77.13
<b>23 05 23 00-0582 Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves <small>(23 05 23 00-0575)</small></b>		
23 05 23 00-0583 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	235.06	50.25
23 05 23 00-0584 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	272.56	52.35
23 05 23 00-0585 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	325.00	78.52
23 05 23 00-0586 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	489.66	109.93
23 05 23 00-0587 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	770.59	139.57
23 05 23 00-0588 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	975.20	139.81
23 05 23 00-0589 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,208.80	163.92
23 05 23 00-0590 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,722.14	274.80
23 05 23 00-0591 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	3,500.63	329.95
23 05 23 00-0592 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	5,418.50	421.60
<b>23 05 23 00-0593 Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves <small>(23 05 23 00-0575)</small></b>		
23 05 23 00-0594 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated .....	162.22	31.33

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0595 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	214.47	34.71
23 05 23 00-0596 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	242.23	42.91
23 05 23 00-0597 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	415.91	64.12
23 05 23 00-0598 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	546.93	77.13
<b>23 05 23 00-0599 Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves</b> <small>(23 05 23 00-0575)</small>		
23 05 23 00-0600 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	161.57	50.25
23 05 23 00-0601 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	188.19	52.35
23 05 23 00-0602 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	240.62	78.52
23 05 23 00-0603 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	374.76	109.93
23 05 23 00-0604 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	503.06	139.57
23 05 23 00-0605 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	603.68	139.81
23 05 23 00-0606 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	733.01	163.92
23 05 23 00-0607 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	1,161.29	274.80
23 05 23 00-0608 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	2,244.14	329.95
23 05 23 00-0609 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	3,425.58	421.60
<b>23 05 23 00-0610 125 LB, Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves</b> <small>(23 05 23 00-0575)</small>		
23 05 23 00-0611 EA 1" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	299.58	78.52
23 05 23 00-0612 EA 1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	480.32	109.93
23 05 23 00-0613 EA 2" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	644.04	139.57
23 05 23 00-0614 EA 2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	907.66	139.81
23 05 23 00-0615 EA 3" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	1,005.42	163.92
23 05 23 00-0616 EA 4" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	1,581.68	274.80
23 05 23 00-0617 EA 6" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	3,101.16	329.95
23 05 23 00-0618 EA 8" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	6,376.57	421.60
<b>23 05 23 00-0619 Solenoid Valves</b> <small>(23 05 23)</small>		
<b>23 05 23 00-0620 Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure</b> <small>(23 05 23 00-0619)</small>		
23 05 23 00-0621 EA 1/4" Solenoid Valve, Bronze, 150 PSI, Water .....	118.77	10.47
23 05 23 00-0622 EA 1/2" Solenoid Valve, Bronze, 150 PSI, Water .....	137.87	10.47
23 05 23 00-0623 EA 3/4" Solenoid Valve, Bronze, 150 PSI, Water .....	176.42	11.52
23 05 23 00-0624 EA 1" Solenoid Valve, Bronze, 150 PSI, Water .....	260.13	13.09
23 05 23 00-0625 EA 1-1/2" Solenoid Valve, Bronze, 150 PSI, Water .....	459.04	16.12
23 05 23 00-0626 EA 2" Solenoid Valve, Bronze, 150 PSI, Water .....	719.22	19.05
23 05 23 00-0627 EA 2-1/2" Solenoid Valve, Bronze, 150 PSI, Water .....	979.64	25.75
23 05 23 00-0628 EA 3" Solenoid Valve, Bronze, 150 PSI, Water .....	1,421.68	29.89
<b>23 05 23 00-0629 Flow Control Valves And Meters</b> <small>(23 05 23)</small>		
<b>23 05 23 00-0630 Conditioned Water Balancing Valves</b> <small>(23 05 23 00-0629)</small>		
Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
23 05 23 00-0631 EA 1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	152.20	53.42
23 05 23 00-0632 EA 3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	182.42	71.23
23 05 23 00-0633 EA 1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,300.05	81.38
23 05 23 00-0634 EA 1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,397.90	100.56
23 05 23 00-0635 EA 1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,496.89	106.84
23 05 23 00-0636 EA 2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,600.13	122.13
23 05 23 00-0637 EA 2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	2,841.72	212.64
23 05 23 00-0638 EA 3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	2,734.24	243.03
23 05 23 00-0639 EA 3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,511.30	164.02
23 05 23 00-0640 EA 4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	2,121.53	274.97
23 05 23 00-0641 EA 6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	3,268.61	347.33
23 05 23 00-0642 EA 8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	4,395.34	443.81
23 05 23 00-0643 EA 10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	6,232.76	540.29
<b>23 05 23 00-0644 Read Out Meters</b> <small>(23 05 23 00-0629)</small>		
Note: For use with conditioned portable water balancing valves.		
23 05 23 00-0645 EA 0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve .....	1,159.67	
23 05 23 00-0646 EA 0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve .....	1,569.37	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 05 23 00-0647	EA		0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve .....	1,569.37	
	23 05 23 00-0648	EA		0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve .....	1,569.37	
<b>23 05 23 00-0649</b>	<b>Balancing Valves (23 05 23)</b>					
<b>23 05 23 00-0650</b>	<b>Balancing Valves With Lever (23 05 23 00-0649)</b>					
	Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
	23 05 23 00-0651	EA		1/2" Threaded Balancing Valve With Lever .....	215.21	32.99
	23 05 23 00-0652	EA		3/4" Threaded Balancing Valve With Lever .....	240.88	43.47
	23 05 23 00-0653	EA		1" Threaded Balancing Valve With Lever .....	626.09	49.76
	23 05 23 00-0654	EA		1-1/4" Threaded Balancing Valve With Lever .....	683.18	61.79
	23 05 23 00-0655	EA		1-1/2" Threaded Balancing Valve With Lever .....	727.93	65.46
	23 05 23 00-0656	EA		2" Threaded Balancing Valve With Lever .....	973.67	74.89
	23 05 23 00-0657	EA		2-1/2" Flanged Balancing Valve With Lever .....	1,305.51	139.90
	23 05 23 00-0658	EA		3" Flanged Balancing Valve With Lever .....	1,268.10	164.02
	23 05 23 00-0659	EA		4" Flanged Balancing Valve With Lever .....	1,562.12	274.97
	23 05 23 00-0660	EA		5" Flanged Balancing Valve With Lever .....	2,310.64	312.60
	23 05 23 00-0661	EA		6" Flanged Balancing Valve With Lever .....	2,378.08	347.33
	23 05 23 00-0662	EA		8" Flanged Balancing Valve With Lever .....	3,186.53	443.81
<b>23 05 23 00-0663</b>	<b>Balancing Valves With Nut (23 05 23 00-0649)</b>					
	Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
	23 05 23 00-0664	EA		4" Flanged Balancing Valve With Nut .....	1,496.53	274.97
	23 05 23 00-0665	EA		5" Flanged Balancing Valve With Nut .....	2,261.87	312.60
	23 05 23 00-0666	EA		6" Flanged Balancing Valve With Nut .....	2,307.45	347.33
	23 05 23 00-0667	EA		8" Flanged Balancing Valve With Nut .....	3,102.45	443.81
<b>23 05 23 00-0668</b>	<b>Balancing Valves With Hand Wheel (23 05 23 00-0649)</b>					
	Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
	23 05 23 00-0669	EA		4" Flanged Balancing Valve With Hand Wheel .....	2,128.85	274.97
	23 05 23 00-0670	EA		5" Flanged Balancing Valve With Hand Wheel .....	2,931.19	312.60
	23 05 23 00-0671	EA		6" Flanged Balancing Valve With Hand Wheel .....	2,976.77	347.33
	23 05 23 00-0672	EA		8" Flanged Balancing Valve With Hand Wheel .....	4,293.09	443.81
	23 05 23 00-0673	EA		10" Flanged Balancing Valve With Hand Wheel .....	6,655.49	540.29
	23 05 23 00-0674	EA		12" Flanged Balancing Valve With Hand Wheel .....	8,743.75	439.27
	23 05 23 00-0675	EA		14" Flanged Balancing Valve With Hand Wheel .....	11,399.61	828.23
<b>23 05 23 00-0676</b>	<b>Balancing Valves With Chain Wheel (23 05 23 00-0649)</b>					
	Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
	23 05 23 00-0677	EA		4" Flanged Balancing Valve With Chain Wheel .....	2,485.37	274.97
	23 05 23 00-0678	EA		5" Flanged Balancing Valve With Chain Wheel .....	3,286.03	312.60
	23 05 23 00-0679	EA		6" Flanged Balancing Valve With Chain Wheel .....	3,331.61	347.33
	23 05 23 00-0680	EA		8" Flanged Balancing Valve With Chain Wheel .....	4,720.24	443.81
	23 05 23 00-0681	EA		10" Flanged Balancing Valve With Chain Wheel .....	7,074.23	540.29
	23 05 23 00-0682	EA		12" Flanged Balancing Valve With Chain Wheel .....	9,522.65	438.96
	23 05 23 00-0683	EA		14" Flanged Balancing Valve With Chain Wheel .....	12,073.97	828.23
<b>23 05 23 00-0684</b>	<b>Calibrated Balancing Valves (23 05 23 00-0649)</b>					
	Note: Bell & Gossett CB Series.					
	23 05 23 00-0685	EA		1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S) .....	125.63	10.47
	23 05 23 00-0686	EA		3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S) .....	146.56	11.52
	23 05 23 00-0687	EA		1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S) .....	179.11	13.09
	23 05 23 00-0688	EA		1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S) .....	242.03	13.93
	23 05 23 00-0689	EA		1" Threaded Calibrated Balancing Valve (CB-1) .....	191.74	13.09
	23 05 23 00-0690	EA		1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4) .....	263.84	13.93
	23 05 23 00-0691	EA		1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2) .....	306.72	16.13
	23 05 23 00-0692	EA		2" Threaded Calibrated Balancing Valve (CB-2) .....	416.65	19.06
	23 05 23 00-0693	EA		2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2) .....	782.49	27.96
	23 05 23 00-0694	EA		3" Threaded Calibrated Balancing Valve (CB-3) .....	1,108.17	32.47
	23 05 23 00-0695	EA		2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F) .....	1,039.94	151.88
	23 05 23 00-0696	EA		3" Flanged Calibrated Balancing Valve (CB-3F) .....	1,514.32	178.07
	23 05 23 00-0697	EA		4" Flanged Calibrated Balancing Valve (CB-4F) .....	2,365.81	298.52
	23 05 23 00-0698	EA		5" Flanged Calibrated Balancing Valve (CB-5F) .....	3,425.50	339.37
	23 05 23 00-0699	EA		6" Flanged Calibrated Balancing Valve (CB-6F) .....	4,519.63	377.08
	23 05 23 00-0700	EA		8" Flanged Calibrated Balancing Valve (CB-8F) .....	8,203.82	481.82
	23 05 23 00-0701	EA		10" Flanged Calibrated Balancing Valve (CB-10F) .....	11,409.31	579.76
	23 05 23 00-0702	EA		12" Flanged Calibrated Balancing Valve (CB-12F) .....	24,145.24	704.00
	23 05 23 00-0703	EA		4" Grooved Calibrated Balancing Valve (CB-4G) .....	2,867.00	36.06
	23 05 23 00-0704	EA		5" Grooved Calibrated Balancing Valve (CB-5G) .....	3,306.93	46.74
	23 05 23 00-0705	EA		6" Grooved Calibrated Balancing Valve (CB-6G) .....	4,394.69	59.94
	23 05 23 00-0706	EA		8" Grooved Calibrated Balancing Valve (CB-8G) .....	8,229.77	76.07
	23 05 23 00-0707	EA		10" Grooved Calibrated Balancing Valve (CB-10G) .....	11,064.62	85.23
	23 05 23 00-0708	EA		12" Grooved Calibrated Balancing Valve (CB-12G) .....	22,789.64	103.93

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 05 23 00-0709		<b>Butterfly Valves</b> <small>(23 05 23)</small>			
23 05 23 00-0710		<b>Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves</b> <small>(23 05 23 00-0709)</small>			
		Note: With on-off handle			
23 05 23 00-0711	EA	2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	306.59		139.57
		For 200 PSI, Add	63.40		
		For Work In Restricted Working Space, Add	52.35		
23 05 23 00-0712	EA	2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	315.08		139.81
		For 200 PSI, Add	67.09		
		For Work In Restricted Working Space, Add	52.59		
23 05 23 00-0713	EA	3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	355.67		163.92
		For 200 PSI, Add	72.25		
		For Work In Restricted Working Space, Add	61.55		
23 05 23 00-0714	EA	4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	533.28		274.80
		For 200 PSI, Add	90.68		
		For Work In Restricted Working Space, Add	103.31		
23 05 23 00-0715	EA	5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	682.69		329.95
		For 200 PSI, Add	129.01		
		For Work In Restricted Working Space, Add	124.17		
23 05 23 00-0716	EA	6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	786.93		366.60
		For 200 PSI, Add	157.77		
		For Work In Restricted Working Space, Add	137.48		
23 05 23 00-0717	EA	8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,018.27		421.60
		For 200 PSI, Add	237.39		
		For Work In Restricted Working Space, Add	157.11		
23 05 23 00-0718	EA	10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,599.95		513.25
		For 200 PSI, Add	460.03		
		For Work In Restricted Working Space, Add	192.47		
23 05 23 00-0719	EA	12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,998.68		623.22
		For 200 PSI, Add	586.10		
		For Work In Restricted Working Space, Add	233.29		
23 05 23 00-0720		<b>Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valves</b> <small>(23 05 23 00-0709)</small>			
23 05 23 00-0721	EA	2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	536.97		139.57
		For Work In Restricted Working Space, Add	52.35		
23 05 23 00-0722	EA	2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	540.86		139.81
		For Work In Restricted Working Space, Add	52.59		
23 05 23 00-0723	EA	3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	589.13		163.92
		For Work In Restricted Working Space, Add	61.55		
23 05 23 00-0724	EA	4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	777.48		274.80
		For Work In Restricted Working Space, Add	103.31		
23 05 23 00-0725	EA	5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	953.01		329.95
		For Work In Restricted Working Space, Add	124.17		
23 05 23 00-0726	EA	6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,055.63		366.60
		For Work In Restricted Working Space, Add	137.48		
23 05 23 00-0727	EA	8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,297.81		421.60
		For Work In Restricted Working Space, Add	157.11		
23 05 23 00-0728	EA	10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,641.42		513.25
		For Work In Restricted Working Space, Add	192.47		
23 05 23 00-0729	EA	12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	2,230.61		623.22
		For Work In Restricted Working Space, Add	233.29		
23 05 23 00-0730		<b>Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valves</b> <small>(23 05 23 00-0709)</small>			
23 05 23 00-0731	EA	14" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	3,714.53		840.61
		For 200 PSI, Add	933.74		
		For Work In Restricted Working Space, Add	336.25		
23 05 23 00-0732	EA	16" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	4,717.52		986.32
		For 200 PSI, Add	1,254.46		
		For Work In Restricted Working Space, Add	369.87		
23 05 23 00-0733	EA	18" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	6,547.17		1,098.41
		For 200 PSI, Add	1,863.82		
		For Work In Restricted Working Space, Add	410.97		
23 05 23 00-0734	EA	20" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	8,388.69		1,232.90
		For 200 PSI, Add	2,465.13		
		For Work In Restricted Working Space, Add	462.34		
23 05 23 00-0735	EA	24" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	11,246.59		1,513.10
		For 200 PSI, Add	3,365.94		
		For Work In Restricted Working Space, Add	569.03		
23 05 23 00-0736	EA	30" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	23,106.98		2,386.09
		For 200 PSI, Add	7,225.25		
		For Work In Restricted Working Space, Add	911.05		
23 05 23 00-0737	EA	36" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	29,296.50		3,253.76
		For 200 PSI, Add	9,180.16		
		For Work In Restricted Working Space, Add	1,138.82		

**23 05 29 Hangers and Supports for HVAC Piping and Equipment** (23 05)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 29 00-0001 Hangers And Supports</b> <small>(23 05 29)</small>		
<b>23 05 29 00-0002 Clevis Hangers</b> <small>(23 05 29 00-0001)</small>		
<b>23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100)</b> <small>(23 05 29 00-0002)</small>		
<i>Note: Type 1.</i>		
23 05 29 00-0004 EA 1/2" Steel Clevis Hanger (Cooper B-Line B3100).....	19.66	8.68
<i>For Work In Restricted Working Space, Add</i>	<i>5.21</i>	
23 05 29 00-0005 EA 3/4" Steel Clevis Hanger (Cooper B-Line B3100).....	21.59	9.64
<i>For Work In Restricted Working Space, Add</i>	<i>5.79</i>	
23 05 29 00-0006 EA 1" Steel Clevis Hanger (Cooper B-Line B3100).....	22.68	9.64
<i>For Work In Restricted Working Space, Add</i>	<i>6.09</i>	
23 05 29 00-0007 EA 1-1/4" Steel Clevis Hanger (Cooper B-Line B3100).....	23.60	10.43
<i>For Work In Restricted Working Space, Add</i>	<i>6.26</i>	
23 05 29 00-0008 EA 1-1/2" Steel Clevis Hanger (Cooper B-Line B3100).....	23.90	10.43
<i>For Work In Restricted Working Space, Add</i>	<i>6.26</i>	
23 05 29 00-0009 EA 2" Steel Clevis Hanger (Cooper B-Line B3100).....	25.06	10.61
<i>For Work In Restricted Working Space, Add</i>	<i>6.43</i>	
23 05 29 00-0010 EA 2-1/2" Steel Clevis Hanger (Cooper B-Line B3100).....	27.94	10.99
<i>For Work In Restricted Working Space, Add</i>	<i>6.62</i>	
23 05 29 00-0011 EA 3" Steel Clevis Hanger (Cooper B-Line B3100).....	30.09	11.57
<i>For Work In Restricted Working Space, Add</i>	<i>6.80</i>	
23 05 29 00-0012 EA 3-1/2" Steel Clevis Hanger (Cooper B-Line B3100).....	31.31	12.71
<i>For Work In Restricted Working Space, Add</i>	<i>7.26</i>	
23 05 29 00-0013 EA 4" Steel Clevis Hanger (Cooper B-Line B3100).....	34.63	13.50
<i>For Work In Restricted Working Space, Add</i>	<i>7.71</i>	
23 05 29 00-0014 EA 5" Steel Clevis Hanger (Cooper B-Line B3100).....	44.65	16.15
<i>For Work In Restricted Working Space, Add</i>	<i>9.69</i>	
23 05 29 00-0015 EA 6" Steel Clevis Hanger (Cooper B-Line B3100).....	53.82	19.29
<i>For Work In Restricted Working Space, Add</i>	<i>11.57</i>	
23 05 29 00-0016 EA 8" Steel Clevis Hanger (Cooper B-Line B3100).....	73.47	24.11
<i>For Work In Restricted Working Space, Add</i>	<i>14.46</i>	
23 05 29 00-0017 EA 10" Steel Clevis Hanger (Cooper B-Line B3100).....	109.30	32.79
<i>For Work In Restricted Working Space, Add</i>	<i>19.28</i>	
23 05 29 00-0018 EA 12" Steel Clevis Hanger (Cooper B-Line B3100).....	129.03	36.16
<i>For Work In Restricted Working Space, Add</i>	<i>21.70</i>	
23 05 29 00-0019 EA 14" Steel Clevis Hanger (Cooper B-Line B3100).....	162.81	40.50
<i>For Work In Restricted Working Space, Add</i>	<i>24.88</i>	
23 05 29 00-0020 EA 16" Steel Clevis Hanger (Cooper B-Line B3100).....	204.86	48.21
<i>For Work In Restricted Working Space, Add</i>	<i>28.93</i>	
23 05 29 00-0021 EA 18" Steel Clevis Hanger (Cooper B-Line B3100).....	255.23	60.27
<i>For Work In Restricted Working Space, Add</i>	<i>36.16</i>	
23 05 29 00-0022 EA 20" Steel Clevis Hanger (Cooper B-Line B3100).....	427.66	72.32
<i>For Work In Restricted Working Space, Add</i>	<i>43.39</i>	
23 05 29 00-0023 EA 24" Steel Clevis Hanger (Cooper B-Line B3100).....	668.69	84.37
<i>For Work In Restricted Working Space, Add</i>	<i>50.62</i>	
<b>23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)</b> <small>(23 05 29 00-0002)</small>		
23 05 29 00-0025 EA 1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	25.76	8.68
<i>For Work In Restricted Working Space, Add</i>	<i>5.21</i>	
23 05 29 00-0026 EA 3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	27.69	9.64
<i>For Work In Restricted Working Space, Add</i>	<i>5.79</i>	
23 05 29 00-0027 EA 1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	28.91	9.64
<i>For Work In Restricted Working Space, Add</i>	<i>6.09</i>	
23 05 29 00-0028 EA 1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	29.97	10.43
<i>For Work In Restricted Working Space, Add</i>	<i>6.26</i>	
23 05 29 00-0029 EA 1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	30.75	10.43
<i>For Work In Restricted Working Space, Add</i>	<i>6.26</i>	
23 05 29 00-0030 EA 2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	31.52	10.61
<i>For Work In Restricted Working Space, Add</i>	<i>6.43</i>	
23 05 29 00-0031 EA 2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	35.83	10.99
<i>For Work In Restricted Working Space, Add</i>	<i>6.62</i>	
23 05 29 00-0032 EA 3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	37.72	11.57
<i>For Work In Restricted Working Space, Add</i>	<i>6.80</i>	
23 05 29 00-0033 EA 3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	42.22	13.50
<i>For Work In Restricted Working Space, Add</i>	<i>7.71</i>	
23 05 29 00-0034 EA 4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	47.37	13.50
<i>For Work In Restricted Working Space, Add</i>	<i>7.71</i>	
23 05 29 00-0035 EA 5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	80.56	16.15
<i>For Work In Restricted Working Space, Add</i>	<i>9.69</i>	
23 05 29 00-0036 EA 6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	100.26	19.29
<i>For Work In Restricted Working Space, Add</i>	<i>11.57</i>	
23 05 29 00-0037 EA 8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	118.74	24.11
<i>For Work In Restricted Working Space, Add</i>	<i>14.46</i>	
<b>23 05 29 00-0038 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)</b> <small>(23 05 29 00-0002)</small>		
23 05 29 00-0039 EA 1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	19.44	8.68
<i>For Work In Restricted Working Space, Add</i>	<i>5.21</i>	
23 05 29 00-0040 EA 3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	21.42	9.64
<i>For Work In Restricted Working Space, Add</i>	<i>5.79</i>	
23 05 29 00-0041 EA 1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	22.63	9.64
<i>For Work In Restricted Working Space, Add</i>	<i>6.09</i>	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0042 EA 1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	23.26	10.43
For Work In Restricted Working Space, Add	6.26	
23 05 29 00-0043 EA 1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	23.43	10.43
For Work In Restricted Working Space, Add	6.26	
23 05 29 00-0044 EA 2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	24.11	10.61
For Work In Restricted Working Space, Add	6.43	
23 05 29 00-0045 EA 2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	26.69	10.99
For Work In Restricted Working Space, Add	6.62	
23 05 29 00-0046 EA 3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	27.97	11.57
For Work In Restricted Working Space, Add	6.80	
23 05 29 00-0047 EA 3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	31.48	13.50
For Work In Restricted Working Space, Add	7.71	
23 05 29 00-0048 EA 4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	32.69	13.50
For Work In Restricted Working Space, Add	7.71	
<b>23 05 29 00-0049 Extended Steel Clevis Hanger (Cooper B-Line B3108) (23 05 29 00-0002)</b>		
23 05 29 00-0050 EA 3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	29.04	9.64
For Work In Restricted Working Space, Add	5.79	
23 05 29 00-0051 EA 1" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	30.13	9.64
For Work In Restricted Working Space, Add	6.09	
23 05 29 00-0052 EA 1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	30.71	10.43
For Work In Restricted Working Space, Add	6.26	
23 05 29 00-0053 EA 1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	31.92	10.43
For Work In Restricted Working Space, Add	6.26	
23 05 29 00-0054 EA 2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	34.50	10.61
For Work In Restricted Working Space, Add	6.43	
23 05 29 00-0055 EA 2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	37.26	10.99
For Work In Restricted Working Space, Add	6.62	
23 05 29 00-0056 EA 3" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	39.23	11.57
For Work In Restricted Working Space, Add	6.80	
23 05 29 00-0057 EA 4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	47.54	13.50
For Work In Restricted Working Space, Add	7.71	
23 05 29 00-0058 EA 5" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	60.03	16.15
For Work In Restricted Working Space, Add	9.69	
23 05 29 00-0059 EA 6" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	74.44	19.29
For Work In Restricted Working Space, Add	11.57	
23 05 29 00-0060 EA 8" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	107.30	24.11
For Work In Restricted Working Space, Add	14.46	
23 05 29 00-0061 EA 10" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	151.67	32.79
For Work In Restricted Working Space, Add	19.28	
23 05 29 00-0062 EA 12" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	170.32	36.16
For Work In Restricted Working Space, Add	21.70	
<b>23 05 29 00-0063 Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) (23 05 29 00-0002)</b>		
23 05 29 00-0064 EA 2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	35.94	10.61
For Work In Restricted Working Space, Add	6.43	
23 05 29 00-0065 EA 2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	38.60	10.99
For Work In Restricted Working Space, Add	6.62	
23 05 29 00-0066 EA 3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	40.75	11.57
For Work In Restricted Working Space, Add	6.80	
23 05 29 00-0067 EA 3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	44.95	13.50
For Work In Restricted Working Space, Add	7.71	
23 05 29 00-0068 EA 4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	47.98	13.50
For Work In Restricted Working Space, Add	7.71	
23 05 29 00-0069 EA 5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	59.47	16.15
For Work In Restricted Working Space, Add	9.69	
23 05 29 00-0070 EA 6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	69.16	19.29
For Work In Restricted Working Space, Add	11.57	
23 05 29 00-0071 EA 8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	92.66	24.11
For Work In Restricted Working Space, Add	14.46	
<b>23 05 29 00-0072 Adjustable Hangers (23 05 29 00-0001)</b>		
<b>23 05 29 00-0073 Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) (23 05 29 00-0072)</b>		
Note: Type 5.		
23 05 29 00-0074 EA 1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	18.14	7.60
For Work In Restricted Working Space, Add	4.56	
23 05 29 00-0075 EA 3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	19.81	8.43
For Work In Restricted Working Space, Add	5.06	
23 05 29 00-0076 EA 1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	21.65	9.37
For Work In Restricted Working Space, Add	5.62	
23 05 29 00-0077 EA 1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	23.84	10.41
For Work In Restricted Working Space, Add	6.24	
23 05 29 00-0078 EA 1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	25.07	10.93
For Work In Restricted Working Space, Add	6.56	
23 05 29 00-0079 EA 2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	27.02	11.45
For Work In Restricted Working Space, Add	6.87	
23 05 29 00-0080 EA 2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	31.82	11.97
For Work In Restricted Working Space, Add	7.18	
23 05 29 00-0081 EA 3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	33.26	12.49
For Work In Restricted Working Space, Add	7.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0082 EA 4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	40.15 8.43	14.05
<b>23 05 29 00-0083 Adjustable Swivel Steel Ring (Cooper B-Line B3170) <small>(23 05 29 00-0072)</small></b> Note: Type 10.		
23 05 29 00-0084 EA 1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	20.64 5.79 8.91 11.48	9.64
23 05 29 00-0085 EA 3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	21.76 6.09 9.70 12.50	9.64
23 05 29 00-0086 EA 1" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	22.89 6.43 9.70 12.50	10.61
23 05 29 00-0087 EA 1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	24.33 6.80 10.89 14.03	11.57
23 05 29 00-0088 EA 1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	27.36 7.71 10.89 14.03	13.50
23 05 29 00-0089 EA 2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	29.28 8.27 11.42 14.71	13.50
23 05 29 00-0090 EA 2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	32.49 8.90 18.61 23.97	14.47
23 05 29 00-0091 EA 3" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	35.09 9.64 19.47 25.08	16.39
23 05 29 00-0092 EA 3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	39.14 10.56 26.07 33.58	17.59
23 05 29 00-0093 EA 4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	42.52 11.57 26.07 33.58	19.29
23 05 29 00-0094 EA 5" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	51.58 13.02 54.05 69.62	21.70
23 05 29 00-0095 EA 6" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	56.53 14.46 54.91 70.72	24.11
23 05 29 00-0096 EA 8" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	67.73 17.36 65.21 83.98	28.92
<b>23 05 29 00-0097 Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <small>(23 05 29 00-0072)</small></b>		
23 05 29 00-0098 EA 1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	22.97 5.79 24.29 31.28	9.64
23 05 29 00-0099 EA 3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	23.97 6.09 24.29 31.28	9.64
23 05 29 00-0100 EA 1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	25.10 6.43 24.29 31.28	10.61
23 05 29 00-0101 EA 1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	26.36 6.80 24.29 31.28	11.57
23 05 29 00-0102 EA 1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	29.70 7.71 26.33 33.92	13.50
23 05 29 00-0103 EA 2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	31.54 8.27 26.33 33.92	13.50

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0104 EA 2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	40.13	14.47
For Work In Restricted Working Space, Add	8.90	
For 304 Stainless Steel, Add	69.04	
For 316 Stainless Steel, Add	88.91	
23 05 29 00-0105 EA 3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	45.10	16.39
For Work In Restricted Working Space, Add	9.64	
For 304 Stainless Steel, Add	85.54	
For 316 Stainless Steel, Add	110.16	
23 05 29 00-0106 EA 3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	49.17	17.59
For Work In Restricted Working Space, Add	10.56	
For 304 Stainless Steel, Add	92.27	
For 316 Stainless Steel, Add	118.83	
23 05 29 00-0107 EA 4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	55.59	19.29
For Work In Restricted Working Space, Add	11.57	
For 304 Stainless Steel, Add	112.33	
For 316 Stainless Steel, Add	144.67	
23 05 29 00-0108 EA 5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	60.65	21.70
For Work In Restricted Working Space, Add	13.02	
For 304 Stainless Steel, Add	113.92	
For 316 Stainless Steel, Add	146.71	
23 05 29 00-0109 EA 6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	73.19	24.11
For Work In Restricted Working Space, Add	14.46	
For 304 Stainless Steel, Add	164.87	
For 316 Stainless Steel, Add	212.33	
<b>23 05 29 00-0110 Roller Hangers</b> <small>(23 05 29 00-0001)</small>		
<b>23 05 29 00-0111 Single Pipe Roll (Cooper B-Line B3114)</b> <small>(23 05 29 00-0110)</small>		
Note: Excludes rod and nuts. Type 41.		
23 05 29 00-0112 EA 2" Single Pipe Roll (Cooper B-Line B3114).....	34.54	7.72
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	4.63	
23 05 29 00-0113 EA 2-1/2" Single Pipe Roll (Cooper B-Line B3114).....	37.91	8.69
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	5.21	
23 05 29 00-0114 EA 3" Single Pipe Roll (Cooper B-Line B3114).....	41.92	10.13
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	6.08	
23 05 29 00-0115 EA 3-1/2" Single Pipe Roll (Cooper B-Line B3114).....	48.28	11.58
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	6.95	
23 05 29 00-0116 EA 4" Single Pipe Roll (Cooper B-Line B3114).....	68.38	13.02
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	7.82	
23 05 29 00-0117 EA 5" Single Pipe Roll (Cooper B-Line B3114).....	59.44	14.48
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	8.68	
23 05 29 00-0118 EA 6" Single Pipe Roll (Cooper B-Line B3114).....	74.33	17.37
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	10.42	
23 05 29 00-0119 EA 8" Single Pipe Roll (Cooper B-Line B3114).....	101.95	20.26
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	12.16	
23 05 29 00-0120 EA 10" Single Pipe Roll (Cooper B-Line B3114).....	120.81	24.12
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	14.47	
<b>23 05 29 00-0121 Adjustable Clevis Roller Hanger (Cooper B-Line B3110)</b> <small>(23 05 29 00-0110)</small>		
Note: Type 43.		
23 05 29 00-0122 EA 2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	50.58	13.62
For Work In Restricted Working Space, Add	7.86	
For 304 Stainless Steel, Add	160.97	
For 316 Stainless Steel, Add	207.32	
23 05 29 00-0123 EA 2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	52.46	14.03
For Work In Restricted Working Space, Add	8.42	
For 304 Stainless Steel, Add	160.97	
For 316 Stainless Steel, Add	207.32	
23 05 29 00-0124 EA 3" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	57.14	14.67
For Work In Restricted Working Space, Add	8.98	
For 304 Stainless Steel, Add	179.59	
For 316 Stainless Steel, Add	231.29	
23 05 29 00-0125 EA 3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	67.64	15.72
For Work In Restricted Working Space, Add	9.43	
For 304 Stainless Steel, Add	239.05	
For 316 Stainless Steel, Add	307.87	
23 05 29 00-0126 EA 4" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	71.14	17.80
For Work In Restricted Working Space, Add	10.48	
For 304 Stainless Steel, Add	239.05	
For 316 Stainless Steel, Add	307.87	
23 05 29 00-0127 EA 5" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	80.62	19.16
For Work In Restricted Working Space, Add	11.50	
For 304 Stainless Steel, Add	279.05	
For 316 Stainless Steel, Add	359.38	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0128 EA 6" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	94.41	20.95
<i>For Work In Restricted Working Space, Add</i>	12.57	
<i>For 304 Stainless Steel, Add</i>	346.57	
<i>For 316 Stainless Steel, Add</i>	446.34	
23 05 29 00-0129 EA 8" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	130.96	26.19
<i>For Work In Restricted Working Space, Add</i>	15.71	
<i>For 304 Stainless Steel, Add</i>	518.69	
<i>For 316 Stainless Steel, Add</i>	668.02	
23 05 29 00-0130 EA 10" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	163.45	35.62
<i>For Work In Restricted Working Space, Add</i>	20.95	
<i>For 304 Stainless Steel, Add</i>	617.89	
<i>For 316 Stainless Steel, Add</i>	795.77	
23 05 29 00-0131 EA 12" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	216.20	39.27
<i>For Work In Restricted Working Space, Add</i>	23.57	
<i>For 304 Stainless Steel, Add</i>	908.42	
<i>For 316 Stainless Steel, Add</i>	1,169.94	
23 05 29 00-0132 EA 14" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	471.50	45.04
<i>For Work In Restricted Working Space, Add</i>	27.02	
<i>For 304 Stainless Steel, Add</i>	2,517.37	
<i>For 316 Stainless Steel, Add</i>	3,242.07	
23 05 29 00-0133 EA 16" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	594.35	52.37
<i>For Work In Restricted Working Space, Add</i>	31.43	
<i>For 304 Stainless Steel, Add</i>	3,231.36	
<i>For 316 Stainless Steel, Add</i>	4,161.60	
<b>23 05 29 00-0134 Roller Chair (Cooper B-Line B3120) (23 05 29 00-0110)</b>		
23 05 29 00-0135 EA 2" Steel Roller Chair (Cooper B-Line B3120).....	48.98	13.62
<i>For Work In Restricted Working Space, Add</i>	7.86	
23 05 29 00-0136 EA 2-1/2" Steel Roller Chair (Cooper B-Line B3120).....	52.81	14.03
<i>For Work In Restricted Working Space, Add</i>	8.42	
23 05 29 00-0137 EA 3" Steel Roller Chair (Cooper B-Line B3120).....	55.23	14.67
<i>For Work In Restricted Working Space, Add</i>	8.98	
23 05 29 00-0138 EA 3-1/2" Steel Roller Chair (Cooper B-Line B3120).....	63.65	15.72
<i>For Work In Restricted Working Space, Add</i>	9.43	
23 05 29 00-0139 EA 4" Steel Roller Chair (Cooper B-Line B3120).....	70.96	17.80
<i>For Work In Restricted Working Space, Add</i>	10.48	
23 05 29 00-0140 EA 5" Steel Roller Chair (Cooper B-Line B3120).....	77.50	19.16
<i>For Work In Restricted Working Space, Add</i>	11.50	
23 05 29 00-0141 EA 6" Steel Roller Chair (Cooper B-Line B3120).....	96.45	20.95
<i>For Work In Restricted Working Space, Add</i>	12.57	
23 05 29 00-0142 EA 8" Steel Roller Chair (Cooper B-Line B3120).....	126.11	26.19
<i>For Work In Restricted Working Space, Add</i>	15.71	
23 05 29 00-0143 EA 10" Steel Roller Chair (Cooper B-Line B3120).....	162.33	35.62
<i>For Work In Restricted Working Space, Add</i>	20.95	
23 05 29 00-0144 EA 12" Steel Roller Chair (Cooper B-Line B3120).....	213.26	39.27
<i>For Work In Restricted Working Space, Add</i>	23.57	
23 05 29 00-0145 EA 14" Steel Roller Chair (Cooper B-Line B3120).....	231.36	45.04
<i>For Work In Restricted Working Space, Add</i>	27.02	
23 05 29 00-0146 EA 16" Steel Roller Chair (Cooper B-Line B3120).....	280.12	52.37
<i>For Work In Restricted Working Space, Add</i>	31.43	
23 05 29 00-0147 EA 18" Steel Roller Chair (Cooper B-Line B3120).....	380.64	65.46
<i>For Work In Restricted Working Space, Add</i>	39.28	
23 05 29 00-0148 EA 20" Steel Roller Chair (Cooper B-Line B3120).....	472.47	78.56
<i>For Work In Restricted Working Space, Add</i>	47.14	
<b>23 05 29 00-0149 Adjustable Roller Support (Cooper B-Line B3122) (23 05 29 00-0110)</b>		
23 05 29 00-0150 EA 2" Steel Adjustable Roller Support (Cooper B-Line B3122).....	56.48	13.62
<i>For Work In Restricted Working Space, Add</i>	7.86	
23 05 29 00-0151 EA 2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122).....	63.90	14.03
<i>For Work In Restricted Working Space, Add</i>	8.42	
23 05 29 00-0152 EA 3" Steel Adjustable Roller Support (Cooper B-Line B3122).....	67.06	14.67
<i>For Work In Restricted Working Space, Add</i>	8.98	
23 05 29 00-0153 EA 3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122).....	70.89	15.72
<i>For Work In Restricted Working Space, Add</i>	9.43	
23 05 29 00-0154 EA 4" Steel Adjustable Roller Support (Cooper B-Line B3122).....	86.13	17.80
<i>For Work In Restricted Working Space, Add</i>	10.48	
23 05 29 00-0155 EA 5" Steel Adjustable Roller Support (Cooper B-Line B3122).....	98.04	19.16
<i>For Work In Restricted Working Space, Add</i>	11.50	
23 05 29 00-0156 EA 6" Steel Adjustable Roller Support (Cooper B-Line B3122).....	114.99	20.95
<i>For Work In Restricted Working Space, Add</i>	12.57	
23 05 29 00-0157 EA 8" Steel Adjustable Roller Support (Cooper B-Line B3122).....	164.28	26.19
<i>For Work In Restricted Working Space, Add</i>	15.71	
23 05 29 00-0158 EA 10" Steel Adjustable Roller Support (Cooper B-Line B3122).....	203.49	35.62
<i>For Work In Restricted Working Space, Add</i>	20.95	
23 05 29 00-0159 EA 12" Steel Adjustable Roller Support (Cooper B-Line B3122).....	236.04	39.27
<i>For Work In Restricted Working Space, Add</i>	23.57	
23 05 29 00-0160 EA 14" Steel Adjustable Roller Support (Cooper B-Line B3122).....	340.45	45.04
<i>For Work In Restricted Working Space, Add</i>	27.02	
23 05 29 00-0161 EA 16" Steel Adjustable Roller Support (Cooper B-Line B3122).....	409.14	52.37
<i>For Work In Restricted Working Space, Add</i>	31.43	
23 05 29 00-0162 EA 18" Steel Adjustable Roller Support (Cooper B-Line B3122).....	460.93	65.46
<i>For Work In Restricted Working Space, Add</i>	39.28	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0163			<b>Adjustable Double Roller Support (Cooper B-Line B3122A)</b> <small>(23 05 29 00-0110)</small>		
23 05 29 00-0164	EA		2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) .....	56.91	13.62
			<i>For Work In Restricted Working Space, Add</i> .....	7.86	
23 05 29 00-0165	EA		2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) .....	64.29	14.03
			<i>For Work In Restricted Working Space, Add</i> .....	8.42	
23 05 29 00-0166	EA		3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) .....	67.71	14.67
			<i>For Work In Restricted Working Space, Add</i> .....	8.98	
23 05 29 00-0167	EA		3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) .....	70.32	15.72
			<i>For Work In Restricted Working Space, Add</i> .....	9.43	
23 05 29 00-0168	EA		4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) .....	90.51	17.80
			<i>For Work In Restricted Working Space, Add</i> .....	10.48	
23 05 29 00-0169	EA		5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) .....	103.20	19.16
			<i>For Work In Restricted Working Space, Add</i> .....	11.50	
23 05 29 00-0170	EA		6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) .....	121.14	20.95
			<i>For Work In Restricted Working Space, Add</i> .....	12.57	
23 05 29 00-0171	EA		8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) .....	173.81	26.19
			<i>For Work In Restricted Working Space, Add</i> .....	15.71	
23 05 29 00-0172	EA		10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) .....	214.92	35.62
			<i>For Work In Restricted Working Space, Add</i> .....	20.95	
23 05 29 00-0173	EA		12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) .....	249.43	39.27
			<i>For Work In Restricted Working Space, Add</i> .....	23.57	
23 05 29 00-0174	EA		14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) .....	361.85	45.04
			<i>For Work In Restricted Working Space, Add</i> .....	27.02	
23 05 29 00-0175			<b>Pipe And Riser Clamps</b> <small>(23 05 29 00-0001)</small>		
			Note: Includes bolts and weldless eye nuts.		
23 05 29 00-0176			<b>Steel Pipe Clamp (Cooper B-Line B3140)</b> <small>(23 05 29 00-0175)</small>		
			Note: Type 4.		
23 05 29 00-0177	EA		1/2" Steel Pipe Clamp (Cooper B-Line B3140) .....	18.17	6.24
			<i>For Work In Restricted Working Space, Add</i> .....	3.75	
23 05 29 00-0178	EA		3/4" Steel Pipe Clamp (Cooper B-Line B3140) .....	18.38	6.35
			<i>For Work In Restricted Working Space, Add</i> .....	3.81	
23 05 29 00-0179	EA		1" Steel Pipe Clamp (Cooper B-Line B3140) .....	18.62	6.45
			<i>For Work In Restricted Working Space, Add</i> .....	3.87	
23 05 29 00-0180	EA		1-1/4" Steel Pipe Clamp (Cooper B-Line B3140) .....	20.56	6.56
			<i>For Work In Restricted Working Space, Add</i> .....	3.93	
23 05 29 00-0181	EA		1-1/2" Steel Pipe Clamp (Cooper B-Line B3140) .....	20.77	6.66
			<i>For Work In Restricted Working Space, Add</i> .....	4.00	
23 05 29 00-0182	EA		2" Steel Pipe Clamp (Cooper B-Line B3140) .....	22.29	6.76
			<i>For Work In Restricted Working Space, Add</i> .....	4.06	
23 05 29 00-0183	EA		2-1/2" Steel Pipe Clamp (Cooper B-Line B3140) .....	23.22	6.97
			<i>For Work In Restricted Working Space, Add</i> .....	4.19	
23 05 29 00-0184	EA		3" Steel Pipe Clamp (Cooper B-Line B3140) .....	24.72	7.18
			<i>For Work In Restricted Working Space, Add</i> .....	4.31	
23 05 29 00-0185	EA		3-1/2" Steel Pipe Clamp (Cooper B-Line B3140) .....	29.21	7.29
			<i>For Work In Restricted Working Space, Add</i> .....	4.37	
23 05 29 00-0186	EA		4" Steel Pipe Clamp (Cooper B-Line B3140) .....	33.37	9.37
			<i>For Work In Restricted Working Space, Add</i> .....	5.62	
23 05 29 00-0187	EA		5" Steel Pipe Clamp (Cooper B-Line B3140) .....	48.37	12.49
			<i>For Work In Restricted Working Space, Add</i> .....	7.49	
23 05 29 00-0188	EA		6" Steel Pipe Clamp (Cooper B-Line B3140) .....	67.09	15.62
			<i>For Work In Restricted Working Space, Add</i> .....	9.37	
23 05 29 00-0189	EA		8" Steel Pipe Clamp (Cooper B-Line B3140) .....	79.06	18.22
			<i>For Work In Restricted Working Space, Add</i> .....	10.93	
23 05 29 00-0190	EA		10" Steel Pipe Clamp (Cooper B-Line B3140) .....	118.49	20.82
			<i>For Work In Restricted Working Space, Add</i> .....	12.49	
23 05 29 00-0191	EA		12" Steel Pipe Clamp (Cooper B-Line B3140) .....	164.67	22.90
			<i>For Work In Restricted Working Space, Add</i> .....	13.74	
23 05 29 00-0192	EA		14" Steel Pipe Clamp (Cooper B-Line B3140) .....	273.07	24.98
			<i>For Work In Restricted Working Space, Add</i> .....	14.99	
23 05 29 00-0193	EA		16" Steel Pipe Clamp (Cooper B-Line B3140) .....	296.00	27.06
			<i>For Work In Restricted Working Space, Add</i> .....	16.24	
23 05 29 00-0194	EA		18" Steel Pipe Clamp (Cooper B-Line B3140) .....	489.17	29.14
			<i>For Work In Restricted Working Space, Add</i> .....	17.48	
23 05 29 00-0195	EA		20" Steel Pipe Clamp (Cooper B-Line B3140) .....	567.08	31.22
			<i>For Work In Restricted Working Space, Add</i> .....	18.74	
23 05 29 00-0196	EA		24" Steel Pipe Clamp (Cooper B-Line B3140) .....	742.63	34.35
			<i>For Work In Restricted Working Space, Add</i> .....	20.61	
23 05 29 00-0197			<b>Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)</b> <small>(23 05 29 00-0175)</small>		
23 05 29 00-0198	EA		3" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) .....	40.64	6.74
			<i>For Work In Restricted Working Space, Add</i> .....	4.02	
23 05 29 00-0199	EA		4" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) .....	54.63	6.74
			<i>For Work In Restricted Working Space, Add</i> .....	4.02	
23 05 29 00-0200	EA		5" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) .....	60.20	6.99
			<i>For Work In Restricted Working Space, Add</i> .....	4.19	
23 05 29 00-0201	EA		6" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) .....	98.42	7.23
			<i>For Work In Restricted Working Space, Add</i> .....	4.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0202 EA 8" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	107.22	7.71
<i>For Work In Restricted Working Space, Add</i>	4.62	
23 05 29 00-0203 EA 10" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	186.85	7.71
<i>For Work In Restricted Working Space, Add</i>	4.61	
23 05 29 00-0204 EA 12" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	304.62	8.68
<i>For Work In Restricted Working Space, Add</i>	5.20	
23 05 29 00-0205 EA 14" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	387.28	9.64
<i>For Work In Restricted Working Space, Add</i>	5.79	
23 05 29 00-0206 EA 16" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	420.46	11.57
<i>For Work In Restricted Working Space, Add</i>	6.94	
23 05 29 00-0207 EA 18" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,320.68	13.50
<i>For Work In Restricted Working Space, Add</i>	8.10	
23 05 29 00-0208 EA 20" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,518.68	14.47
<i>For Work In Restricted Working Space, Add</i>	8.68	
23 05 29 00-0209 EA 24" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,947.08	15.42
<i>For Work In Restricted Working Space, Add</i>	9.26	
<b>23 05 29 00-0210 Steel Riser Clamp (Cooper B-Line B3373)</b> <small>(23 05 29 00-0175)</small>		
<i>Note: Type 8.</i>		
23 05 29 00-0211 EA 1/2" Steel Riser Clamp (Cooper B-Line B3373).....	18.67	5.79
<i>For Work In Restricted Working Space, Add</i>	3.47	
23 05 29 00-0212 EA 3/4" Steel Riser Clamp (Cooper B-Line B3373).....	19.53	5.88
<i>For Work In Restricted Working Space, Add</i>	3.53	
23 05 29 00-0213 EA 1" Steel Riser Clamp (Cooper B-Line B3373).....	19.80	5.98
<i>For Work In Restricted Working Space, Add</i>	3.59	
23 05 29 00-0214 EA 1-1/4" Steel Riser Clamp (Cooper B-Line B3373).....	21.64	6.08
<i>For Work In Restricted Working Space, Add</i>	3.65	
23 05 29 00-0215 EA 1-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	22.57	6.17
<i>For Work In Restricted Working Space, Add</i>	3.70	
23 05 29 00-0216 EA 2" Steel Riser Clamp (Cooper B-Line B3373).....	23.15	6.27
<i>For Work In Restricted Working Space, Add</i>	3.76	
23 05 29 00-0217 EA 2-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	24.18	6.46
<i>For Work In Restricted Working Space, Add</i>	3.88	
23 05 29 00-0218 EA 3" Steel Riser Clamp (Cooper B-Line B3373).....	25.75	6.65
<i>For Work In Restricted Working Space, Add</i>	3.99	
23 05 29 00-0219 EA 3-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	28.62	6.74
<i>For Work In Restricted Working Space, Add</i>	4.05	
23 05 29 00-0220 EA 4" Steel Riser Clamp (Cooper B-Line B3373).....	34.48	8.68
<i>For Work In Restricted Working Space, Add</i>	5.21	
23 05 29 00-0221 EA 5" Steel Riser Clamp (Cooper B-Line B3373).....	44.37	11.57
<i>For Work In Restricted Working Space, Add</i>	6.94	
23 05 29 00-0222 EA 6" Steel Riser Clamp (Cooper B-Line B3373).....	56.39	14.47
<i>For Work In Restricted Working Space, Add</i>	8.68	
23 05 29 00-0223 EA 8" Steel Riser Clamp (Cooper B-Line B3373).....	78.71	16.88
<i>For Work In Restricted Working Space, Add</i>	10.12	
23 05 29 00-0224 EA 10" Steel Riser Clamp (Cooper B-Line B3373).....	105.11	19.29
<i>For Work In Restricted Working Space, Add</i>	11.57	
23 05 29 00-0225 EA 12" Steel Riser Clamp (Cooper B-Line B3373).....	128.37	21.21
<i>For Work In Restricted Working Space, Add</i>	12.73	
23 05 29 00-0226 EA 14" Steel Riser Clamp (Cooper B-Line B3373).....	175.60	23.14
<i>For Work In Restricted Working Space, Add</i>	13.88	
23 05 29 00-0227 EA 16" Steel Riser Clamp (Cooper B-Line B3373).....	345.34	25.07
<i>For Work In Restricted Working Space, Add</i>	15.04	
<b>23 05 29 00-0228 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)</b> <small>(23 05 29 00-0175)</small>		
23 05 29 00-0229 EA 1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	35.57	5.79
<i>For Work In Restricted Working Space, Add</i>	3.47	
23 05 29 00-0230 EA 3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	36.12	5.88
<i>For Work In Restricted Working Space, Add</i>	3.53	
23 05 29 00-0231 EA 1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	37.69	5.98
<i>For Work In Restricted Working Space, Add</i>	3.59	
23 05 29 00-0232 EA 1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	40.48	6.08
<i>For Work In Restricted Working Space, Add</i>	3.65	
23 05 29 00-0233 EA 1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	46.13	6.17
<i>For Work In Restricted Working Space, Add</i>	3.70	
23 05 29 00-0234 EA 2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	49.18	6.27
<i>For Work In Restricted Working Space, Add</i>	3.76	
23 05 29 00-0235 EA 2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	53.43	6.46
<i>For Work In Restricted Working Space, Add</i>	3.88	
23 05 29 00-0236 EA 3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	58.97	6.65
<i>For Work In Restricted Working Space, Add</i>	3.99	
23 05 29 00-0237 EA 4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	80.05	8.68
<i>For Work In Restricted Working Space, Add</i>	5.21	
<b>23 05 29 00-0238 Two Bolt Steel Underground Clamp (Cooper B-Line B3132)</b> <small>(23 05 29 00-0175)</small>		
<i>Note: Type 42</i>		
23 05 29 00-0239 EA 4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	83.84	6.74
<i>For Work In Restricted Working Space, Add</i>	4.02	
23 05 29 00-0240 EA 6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	88.89	7.23
<i>For Work In Restricted Working Space, Add</i>	4.37	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0241 EA 8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	97.78	7.71
<i>For Work In Restricted Working Space, Add</i>	4.62	
23 05 29 00-0242 EA 10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	104.71	7.71
<i>For Work In Restricted Working Space, Add</i>	4.61	
23 05 29 00-0243 EA 12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	127.06	8.68
<i>For Work In Restricted Working Space, Add</i>	5.20	
23 05 29 00-0244 EA 14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	405.03	9.64
<i>For Work In Restricted Working Space, Add</i>	5.79	
23 05 29 00-0245 EA 16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	543.41	11.57
<i>For Work In Restricted Working Space, Add</i>	6.94	
23 05 29 00-0246 EA 18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	647.69	13.50
<i>For Work In Restricted Working Space, Add</i>	8.10	
23 05 29 00-0247 EA 20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	946.65	14.47
<i>For Work In Restricted Working Space, Add</i>	8.68	
23 05 29 00-0248 EA 24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	1,307.46	15.42
<i>For Work In Restricted Working Space, Add</i>	9.26	
<b>23 05 29 00-0249 Four Bolt Steel Underground Clamp (Cooper B-Line B3134) (23 05 29 00-0175)</b>		
23 05 29 00-0250 EA 4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	77.07	6.74
<i>For Work In Restricted Working Space, Add</i>	4.02	
23 05 29 00-0251 EA 6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	83.09	7.23
<i>For Work In Restricted Working Space, Add</i>	4.37	
23 05 29 00-0252 EA 8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	148.24	7.71
<i>For Work In Restricted Working Space, Add</i>	4.62	
23 05 29 00-0253 EA 10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	165.36	7.71
<i>For Work In Restricted Working Space, Add</i>	4.61	
23 05 29 00-0254 EA 12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	238.89	8.68
<i>For Work In Restricted Working Space, Add</i>	5.20	
23 05 29 00-0255 EA 14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	368.52	9.64
<i>For Work In Restricted Working Space, Add</i>	5.79	
23 05 29 00-0256 EA 16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	495.15	11.57
<i>For Work In Restricted Working Space, Add</i>	6.94	
23 05 29 00-0257 EA 18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	589.51	13.50
<i>For Work In Restricted Working Space, Add</i>	8.10	
23 05 29 00-0258 EA 20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	864.93	14.47
<i>For Work In Restricted Working Space, Add</i>	8.68	
23 05 29 00-0259 EA 24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	1,186.50	15.42
<i>For Work In Restricted Working Space, Add</i>	9.26	
<b>23 05 29 00-0260 Split Pipe Clamps And Rings (23 05 29 00-0001)</b>		
<b>23 05 29 00-0261 Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) (23 05 29 00-0260)</b>		
Note: Type 6.		
23 05 29 00-0262 EA 3/4" Adjustable Swivel Ring (Cooper B-Line B3171).....	31.35	8.84
<i>For Work In Restricted Working Space, Add</i>	5.31	
23 05 29 00-0263 EA 1" Adjustable Swivel Ring (Cooper B-Line B3171).....	33.20	9.37
<i>For Work In Restricted Working Space, Add</i>	5.62	
23 05 29 00-0264 EA 1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171).....	35.97	10.41
<i>For Work In Restricted Working Space, Add</i>	6.24	
23 05 29 00-0265 EA 1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171).....	38.93	10.93
<i>For Work In Restricted Working Space, Add</i>	6.56	
23 05 29 00-0266 EA 2" Adjustable Swivel Ring (Cooper B-Line B3171).....	42.27	11.45
<i>For Work In Restricted Working Space, Add</i>	6.87	
23 05 29 00-0267 EA 2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171).....	53.45	11.97
<i>For Work In Restricted Working Space, Add</i>	7.18	
23 05 29 00-0268 EA 3" Adjustable Swivel Ring (Cooper B-Line B3171).....	59.03	12.49
<i>For Work In Restricted Working Space, Add</i>	7.49	
23 05 29 00-0269 EA 4" Adjustable Swivel Ring (Cooper B-Line B3171).....	80.06	14.05
<i>For Work In Restricted Working Space, Add</i>	8.43	
23 05 29 00-0270 EA 5" Adjustable Swivel Ring (Cooper B-Line B3171).....	101.89	17.70
<i>For Work In Restricted Working Space, Add</i>	10.62	
23 05 29 00-0271 EA 6" Adjustable Swivel Ring (Cooper B-Line B3171).....	137.89	20.82
<i>For Work In Restricted Working Space, Add</i>	12.49	
<b>23 05 29 00-0272 Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) (23 05 29 00-0260)</b>		
Note: Type 11.		
23 05 29 00-0273 EA 1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	19.37	7.33
<i>For Work In Restricted Working Space, Add</i>	4.49	
23 05 29 00-0274 EA 3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	20.48	7.33
<i>For Work In Restricted Working Space, Add</i>	4.69	
23 05 29 00-0275 EA 1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	22.48	9.42
<i>For Work In Restricted Working Space, Add</i>	5.24	
23 05 29 00-0276 EA 1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	24.61	9.42
<i>For Work In Restricted Working Space, Add</i>	5.51	
23 05 29 00-0277 EA 1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	27.91	9.42
<i>For Work In Restricted Working Space, Add</i>	5.71	
23 05 29 00-0278 EA 2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	33.03	10.47
<i>For Work In Restricted Working Space, Add</i>	6.28	
23 05 29 00-0279 EA 2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	45.94	10.47
<i>For Work In Restricted Working Space, Add</i>	6.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0280 EA 3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	51.53	11.52
<i>For Work In Restricted Working Space, Add</i>	6.83	
23 05 29 00-0281 EA 4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	54.65	12.57
<i>For Work In Restricted Working Space, Add</i>	7.48	
<b>23 05 29 00-0282 Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) <small>(23 05 29 00-0280)</small></b>		
<i>Note: Type 12.</i>		
23 05 29 00-0283 EA 1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	19.37	7.33
<i>For Work In Restricted Working Space, Add</i>	4.49	
23 05 29 00-0284 EA 3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	20.48	7.85
<i>For Work In Restricted Working Space, Add</i>	4.69	
23 05 29 00-0285 EA 1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	22.48	8.90
<i>For Work In Restricted Working Space, Add</i>	5.24	
23 05 29 00-0286 EA 1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) .....	24.61	9.42
<i>For Work In Restricted Working Space, Add</i>	5.51	
23 05 29 00-0287 EA 1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) .....	27.91	9.42
<i>For Work In Restricted Working Space, Add</i>	5.71	
23 05 29 00-0288 EA 2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	33.03	10.47
<i>For Work In Restricted Working Space, Add</i>	6.28	
23 05 29 00-0289 EA 2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) .....	45.94	10.99
<i>For Work In Restricted Working Space, Add</i>	6.54	
23 05 29 00-0290 EA 3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	51.53	11.52
<i>For Work In Restricted Working Space, Add</i>	6.83	
<b>23 05 29 00-0291 Pipe Straps <small>(23 05 29 00-0001)</small></b>		
<b>23 05 29 00-0292 Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) <small>(23 05 29 00-0291)</small></b>		
23 05 29 00-0293 EA 1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	13.08	5.24
<i>For Work In Restricted Working Space, Add</i>	3.14	
23 05 29 00-0294 EA 3/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	13.63	6.28
<i>For Work In Restricted Working Space, Add</i>	3.31	
23 05 29 00-0295 EA 1" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	14.24	6.28
<i>For Work In Restricted Working Space, Add</i>	3.49	
23 05 29 00-0296 EA 1-1/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	15.05	6.28
<i>For Work In Restricted Working Space, Add</i>	3.69	
23 05 29 00-0297 EA 1-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	15.91	7.33
<i>For Work In Restricted Working Space, Add</i>	3.93	
23 05 29 00-0298 EA 2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	18.61	7.33
<i>For Work In Restricted Working Space, Add</i>	4.19	
23 05 29 00-0299 EA 2-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	23.35	7.33
<i>For Work In Restricted Working Space, Add</i>	4.49	
23 05 29 00-0300 EA 3" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	30.81	7.33
<i>For Work In Restricted Working Space, Add</i>	4.83	
23 05 29 00-0301 EA 4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	36.55	9.42
<i>For Work In Restricted Working Space, Add</i>	5.65	
23 05 29 00-0302 EA 6" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	45.34	10.47
<i>For Work In Restricted Working Space, Add</i>	6.28	
23 05 29 00-0303 EA 8" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	57.40	11.52
<i>For Work In Restricted Working Space, Add</i>	6.91	
<b>23 05 29 00-0304 Two Hole Copper-Clad Pipe Straps <small>(23 05 29 00-0291)</small></b>		
23 05 29 00-0305 EA 1/2" Two Hole Copper-Clad Pipe Strap .....	5.88	
<i>For Work In Restricted Working Space, Add</i>	1.57	
23 05 29 00-0306 EA 3/4" Two Hole Copper-Clad Pipe Strap .....	6.25	
<i>For Work In Restricted Working Space, Add</i>	1.65	
23 05 29 00-0307 EA 1" Two Hole Copper-Clad Pipe Strap .....	7.06	
<i>For Work In Restricted Working Space, Add</i>	1.73	
23 05 29 00-0308 EA 1-1/4" Two Hole Copper-Clad Pipe Strap .....	7.92	
<i>For Work In Restricted Working Space, Add</i>	1.81	
23 05 29 00-0309 EA 1-1/2" Two Hole Copper-Clad Pipe Strap .....	8.54	
<i>For Work In Restricted Working Space, Add</i>	1.88	
23 05 29 00-0310 EA 2" Two Hole Copper-Clad Pipe Strap .....	9.27	
<i>For Work In Restricted Working Space, Add</i>	2.04	
<b>23 05 29 00-0311 One Hole Galvanized Steel Pipe Straps <small>(23 05 29 00-0291)</small></b>		
23 05 29 00-0312 EA 1/2" One Hole Galvanized Steel Pipe Strap (Anvil 185D) .....	2.90	
<i>For Work In Restricted Working Space, Add</i>	0.52	
23 05 29 00-0313 EA 3/4" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	3.52	
<i>For Work In Restricted Working Space, Add</i>	0.56	
23 05 29 00-0314 EA 1" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	3.78	
<i>For Work In Restricted Working Space, Add</i>	0.61	
23 05 29 00-0315 EA 1-1/4" Galvanized Steel Strap, 1 Hole .....	4.06	
<i>For Work In Restricted Working Space, Add</i>	0.65	
23 05 29 00-0316 EA 1-1/2" Galvanized Steel Strap, 1 Hole .....	4.35	
<i>For Work In Restricted Working Space, Add</i>	0.71	
23 05 29 00-0317 EA 2" Galvanized Steel Strap, 1 Hole.....	4.87	
<i>For Work In Restricted Working Space, Add</i>	0.79	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 29 00-0318</b> Pipe and Equipment Support Brackets <small>(23 05 29 00-0001)</small>		
<b>23 05 29 00-0319</b> Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) <small>(23 05 29 00-0318)</small> Note: Up to 750# load.		
23 05 29 00-0320 EA 9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068) .....	140.25	11.57
For Work In Restricted Working Space, Add	6.94	
For Galvanized, Add	23.42	
23 05 29 00-0321 EA 13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	142.39	11.57
For Work In Restricted Working Space, Add	6.94	
For Galvanized, Add	23.85	
23 05 29 00-0322 EA 19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	150.86	11.57
For Work In Restricted Working Space, Add	6.94	
For Galvanized, Add	25.54	
<b>23 05 29 00-0323</b> Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) <small>(23 05 29 00-0318)</small> Note: Up to 1500# load.		
23 05 29 00-0324 EA 12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	347.18	11.57
For Work In Restricted Working Space, Add	6.94	
For Galvanized, Add	64.81	
23 05 29 00-0325 EA 18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	408.10	11.57
For Work In Restricted Working Space, Add	6.94	
For Galvanized, Add	76.99	
23 05 29 00-0326 EA 24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	532.32	11.57
For Work In Restricted Working Space, Add	6.94	
For Galvanized, Add	101.84	
<b>23 05 29 00-0327</b> Pipe Alignment Guide <small>(23 05 29 00-0001)</small>		
<b>23 05 29 00-0328</b> Pipe Alignment Guide, 1" Insulation <small>(23 05 29 00-0327)</small>		
23 05 29 00-0329 EA 1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2) .....	824.09	18.32
23 05 29 00-0330 EA 3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4) .....	825.05	18.80
23 05 29 00-0331 EA 1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1) .....	826.02	19.29
23 05 29 00-0332 EA 1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4).....	826.98	19.77
23 05 29 00-0333 EA 1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2).....	904.65	20.24
23 05 29 00-0334 EA 2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2).....	920.43	22.18
23 05 29 00-0335 EA 2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2).....	921.88	22.90
23 05 29 00-0336 EA 3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3).....	923.32	23.62
23 05 29 00-0337 EA 4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4).....	977.10	25.07
23 05 29 00-0338 EA 5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5).....	1,135.03	31.82
23 05 29 00-0339 EA 6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6).....	1,148.52	38.57
23 05 29 00-0340 EA 8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8).....	1,286.36	48.21
23 05 29 00-0341 EA 10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10).....	2,432.03	57.85
23 05 29 00-0342 EA 12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12).....	3,720.01	77.13
23 05 29 00-0343 EA 14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14).....	4,575.12	96.42
23 05 29 00-0344 EA 16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16).....	5,518.66	107.99
23 05 29 00-0345 EA 18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18).....	5,945.40	120.53
23 05 29 00-0346 EA 20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20).....	6,301.80	137.89
23 05 29 00-0347 EA 24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24).....	7,989.87	144.63
<b>23 05 29 00-0348</b> Pipe Alignment Guide, 1-1/2" Insulation <small>(23 05 29 00-0327)</small>		
23 05 29 00-0349 EA 1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2).....	825.05	18.80
23 05 29 00-0350 EA 3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4).....	902.72	19.29
23 05 29 00-0351 EA 1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1).....	903.68	19.77
23 05 29 00-0352 EA 1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4).....	904.65	20.24
23 05 29 00-0353 EA 1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2).....	905.62	20.73
23 05 29 00-0354 EA 2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2).....	921.40	22.66
23 05 29 00-0355 EA 2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2).....	922.85	23.38
23 05 29 00-0356 EA 3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3).....	975.17	24.11
23 05 29 00-0357 EA 4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4).....	978.06	25.55
23 05 29 00-0358 EA 5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5).....	1,136.48	32.54
23 05 29 00-0359 EA 6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6).....	1,150.46	39.53
23 05 29 00-0360 EA 8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8).....	1,288.77	49.42
23 05 29 00-0361 EA 10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10).....	2,434.92	59.30
23 05 29 00-0362 EA 12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12).....	3,723.86	79.07
23 05 29 00-0363 EA 14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14).....	4,579.94	98.83
23 05 29 00-0364 EA 16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16).....	5,524.44	110.89
23 05 29 00-0365 EA 18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18).....	5,951.19	123.42
23 05 29 00-0366 EA 20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20).....	6,308.56	141.25
23 05 29 00-0367 EA 24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24).....	7,997.11	148.25
<b>23 05 29 00-0368</b> Pipe Alignment Guide, 2" Insulation <small>(23 05 29 00-0327)</small>		
23 05 29 00-0369 EA 1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2).....	902.72	19.29
23 05 29 00-0370 EA 3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4).....	915.61	19.77
23 05 29 00-0371 EA 1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1).....	916.58	20.24
23 05 29 00-0372 EA 1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4).....	917.55	20.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0373 EA 1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2).....	918.50	21.21
23 05 29 00-0374 EA 2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2).....	973.24	23.14
23 05 29 00-0375 EA 2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2).....	975.17	24.11
23 05 29 00-0376 EA 3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3).....	976.38	24.71
23 05 29 00-0377 EA 4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4).....	1,123.46	26.03
23 05 29 00-0378 EA 5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5).....	1,137.92	33.27
23 05 29 00-0379 EA 6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6).....	1,270.94	40.50
23 05 29 00-0380 EA 8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8).....	1,422.49	50.62
23 05 29 00-0381 EA 10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10).....	2,437.81	60.74
23 05 29 00-0382 EA 12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12).....	3,727.72	81.00
23 05 29 00-0383 EA 14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14).....	4,584.77	101.24
23 05 29 00-0384 EA 16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16).....	5,530.01	113.67
23 05 29 00-0385 EA 18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18).....	5,957.46	126.55
23 05 29 00-0386 EA 20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20).....	6,315.30	144.63
23 05 29 00-0387 EA 24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24).....	8,004.34	151.86
<b>23 05 29 00-0388</b> <b>Pipe Alignment Guide, 2-1/2" Insulation</b> (23 05 29 00-0327)		
23 05 29 00-0389 EA 1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2).....	915.61	19.77
23 05 29 00-0390 EA 3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4).....	967.46	20.24
23 05 29 00-0391 EA 1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1).....	968.43	20.73
23 05 29 00-0392 EA 1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4).....	969.38	21.21
23 05 29 00-0393 EA 1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2).....	970.35	21.70
23 05 29 00-0394 EA 2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2).....	974.20	23.62
23 05 29 00-0395 EA 2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2).....	976.38	24.71
23 05 29 00-0396 EA 3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3).....	1,122.01	25.31
23 05 29 00-0397 EA 4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4).....	1,124.42	26.51
23 05 29 00-0398 EA 5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5).....	1,257.44	33.74
23 05 29 00-0399 EA 6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6).....	1,272.86	41.47
23 05 29 00-0400 EA 8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8).....	2,419.97	51.83
23 05 29 00-0401 EA 10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10).....	3,690.12	62.19
23 05 29 00-0402 EA 12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12).....	4,548.12	82.92
23 05 29 00-0403 EA 14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14).....	4,590.41	103.65
23 05 29 00-0404 EA 16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16).....	5,536.01	116.67
23 05 29 00-0405 EA 18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18).....	5,963.72	129.69
23 05 29 00-0406 EA 20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20).....	6,322.54	148.25
23 05 29 00-0407 EA 24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24).....	8,012.05	155.72
<b>23 05 29 00-0408</b> <b>Pipe Alignment Guide, 3" Insulation</b> (23 05 29 00-0327)		
23 05 29 00-0409 EA 1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2).....	967.46	20.24
23 05 29 00-0410 EA 3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4).....	968.43	20.73
23 05 29 00-0411 EA 1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1).....	969.38	21.21
23 05 29 00-0412 EA 1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4).....	970.35	21.70
23 05 29 00-0413 EA 1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2).....	971.31	22.18
23 05 29 00-0414 EA 2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2).....	1,119.60	24.11
23 05 29 00-0415 EA 2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2).....	1,122.01	25.31
23 05 29 00-0416 EA 3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3).....	1,123.46	26.03
23 05 29 00-0417 EA 4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4).....	1,244.32	27.19
23 05 29 00-0418 EA 5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5).....	1,259.36	34.71
23 05 29 00-0419 EA 6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6).....	1,406.10	42.42
23 05 29 00-0420 EA 8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8).....	2,422.38	53.03
23 05 29 00-0421 EA 10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10).....	3,693.01	63.64
23 05 29 00-0422 EA 12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12).....	4,551.98	84.85
23 05 29 00-0423 EA 14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14).....	4,595.23	106.06
23 05 29 00-0424 EA 16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16).....	5,541.80	119.56
23 05 29 00-0425 EA 18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18).....	5,969.51	132.58
23 05 29 00-0426 EA 20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20).....	6,329.77	151.86
23 05 29 00-0427 EA 24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24).....	8,019.76	159.58
<b>23 05 29 00-0428</b> <b>Pipe Alignment Guide, 3-1/2" Insulation</b> (23 05 29 00-0327)		
23 05 29 00-0429 EA 1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2).....	968.43	20.73
23 05 29 00-0430 EA 3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4).....	1,113.81	21.21
23 05 29 00-0431 EA 1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1).....	1,114.78	21.70
23 05 29 00-0432 EA 1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4).....	1,115.74	22.18
23 05 29 00-0433 EA 1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2).....	1,116.71	22.66
23 05 29 00-0434 EA 2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2).....	1,120.81	24.71
23 05 29 00-0435 EA 2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2).....	1,123.26	25.94
23 05 29 00-0436 EA 3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3).....	1,243.31	26.69
23 05 29 00-0437 EA 4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4).....	1,245.86	27.97
23 05 29 00-0438 EA 5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5).....	1,392.60	35.68
23 05 29 00-0439 EA 6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6).....	2,403.10	43.39
23 05 29 00-0440 EA 8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8).....	3,674.21	54.24
23 05 29 00-0441 EA 10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10).....	4,513.56	65.23
23 05 29 00-0442 EA 12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12).....	5,476.22	86.78
23 05 29 00-0443 EA 14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14).....	5,520.10	108.72
23 05 29 00-0444 EA 16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16).....	5,968.19	122.45
23 05 29 00-0445 EA 18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18).....	6,297.95	135.95
23 05 29 00-0446 EA 20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20).....	8,011.08	155.24

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 29 00-0447 Pipe Alignment Guide, 4" Insulation (23 05 29 00-0327)</b>					
23 05 29 00-0448	EA		1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2) .....	1,113.81	21.21
23 05 29 00-0449	EA		3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4) .....	1,114.78	21.70
23 05 29 00-0450	EA		1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1) .....	1,115.74	22.18
23 05 29 00-0451	EA		1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4) .....	1,116.71	22.66
23 05 29 00-0452	EA		1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2) .....	1,117.67	23.14
23 05 29 00-0453	EA		2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2) .....	1,240.56	25.31
23 05 29 00-0454	EA		2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2) .....	1,242.97	26.51
23 05 29 00-0455	EA		3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3) .....	1,244.61	27.33
23 05 29 00-0456	EA		4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4) .....	1,378.62	28.68
23 05 29 00-0457	EA		5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5) .....	2,389.60	36.64
23 05 29 00-0458	EA		6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6) .....	2,405.03	44.35
23 05 29 00-0459	EA		8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8) .....	3,676.62	55.44
23 05 29 00-0460	EA		10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10) .....	4,517.12	67.01
23 05 29 00-0461	EA		12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12) .....	5,480.57	88.95
23 05 29 00-0462	EA		14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14) .....	5,926.12	110.89
23 05 29 00-0463	EA		16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16) .....	6,276.74	125.34
23 05 29 00-0464	EA		18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18) .....	7,980.23	139.81
<b>23 05 29 00-0465 Sway Bracing For No Hub Pipe (23 05 29 00-0001)</b>					
23 05 29 00-0466	EA		1-1/2" Sway Bracing.....	152.18	12.72
			<i>For Work In Restricted Working Space, Add</i>	7.61	
23 05 29 00-0467	EA		2" Sway Bracing.....	156.61	13.40
			<i>For Work In Restricted Working Space, Add</i>	8.04	
23 05 29 00-0468	EA		3" Sway Bracing.....	162.03	14.17
			<i>For Work In Restricted Working Space, Add</i>	8.51	
23 05 29 00-0469	EA		4" Sway Bracing.....	183.93	16.10
			<i>For Work In Restricted Working Space, Add</i>	9.64	
23 05 29 00-0470	EA		6" Sway Bracing.....	269.56	24.11
			<i>For Work In Restricted Working Space, Add</i>	14.46	
23 05 29 00-0471	EA		8" Sway Bracing.....	296.65	30.08
			<i>For Work In Restricted Working Space, Add</i>	18.08	
23 05 29 00-0472	EA		10" Sway Bracing.....	330.87	40.21
			<i>For Work In Restricted Working Space, Add</i>	24.11	
<b>23 05 29 00-0473 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) (23 05 29 00-0001)</b>					
Note: Heights listed is total for base and adjustable saddle					
23 05 29 00-0474	EA		23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	325.13	9.64
			<i>For Work In Restricted Working Space, Add</i>	5.79	
23 05 29 00-0475	EA		24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	332.16	10.61
			<i>For Work In Restricted Working Space, Add</i>	6.36	
23 05 29 00-0476	EA		24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	658.72	12.06
			<i>For Work In Restricted Working Space, Add</i>	7.23	
23 05 29 00-0477	EA		24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	806.44	13.50
			<i>For Work In Restricted Working Space, Add</i>	8.10	
23 05 29 00-0478	EA		24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	816.34	14.94
			<i>For Work In Restricted Working Space, Add</i>	8.97	
23 05 29 00-0479	EA		25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	897.23	16.88
			<i>For Work In Restricted Working Space, Add</i>	10.12	
23 05 29 00-0480	EA		25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	1,071.34	18.32
			<i>For Work In Restricted Working Space, Add</i>	10.99	
23 05 29 00-0481	EA		25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	1,083.46	19.77
			<i>For Work In Restricted Working Space, Add</i>	11.86	
23 05 29 00-0482	EA		26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	1,098.95	21.70
			<i>For Work In Restricted Working Space, Add</i>	13.02	
23 05 29 00-0483	EA		28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	1,143.85	23.62
			<i>For Work In Restricted Working Space, Add</i>	14.17	
23 05 29 00-0484	EA		29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	1,224.78	26.03
			<i>For Work In Restricted Working Space, Add</i>	15.62	
23 05 29 00-0485	EA		30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	1,260.48	28.92
			<i>For Work In Restricted Working Space, Add</i>	17.36	
23 05 29 00-0486	EA		32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	1,537.60	31.82
			<i>For Work In Restricted Working Space, Add</i>	19.09	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0487	EA			33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,676.31	35.68
				<i>For Work In Restricted Working Space, Add</i>	21.41	
23 05 29 00-0488	EA			35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	2,372.30	39.53
				<i>For Work In Restricted Working Space, Add</i>	23.72	
23 05 29 00-0489	EA			36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	2,922.63	43.39
				<i>For Work In Restricted Working Space, Add</i>	26.03	
23 05 29 00-0490	EA			39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	3,508.36	47.24
				<i>For Work In Restricted Working Space, Add</i>	28.35	
23 05 29 00-0491				<b>Channel Mounted Cushion Clamp</b> (23 05 29 00-0001)		
				Note: Includes fastening into channel.		
23 05 29 00-0492	EA			1/2" Channel Mounted Cushion Clamp For 3/8" Pipe (Cooper B-Line BVT050).....	12.70	4.34
23 05 29 00-0493	EA			5/8" Channel Mounted Cushion Clamp For 1/2" Pipe (Cooper B-Line BVT062).....	13.37	4.82
23 05 29 00-0494	EA			7/8" Channel Mounted Cushion Clamp For 3/4" Pipe (Cooper B-Line BVT087).....	15.05	5.06
23 05 29 00-0495	EA			1-1/8" Channel Mounted Cushion Clamp For 1" Pipe (Cooper B-Line BVT112).....	16.22	5.30
23 05 29 00-0496	EA			1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe (Cooper B-Line BVT137).....	18.23	5.79
23 05 29 00-0497	EA			1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe (Cooper B-Line BVT162).....	20.76	6.03
23 05 29 00-0498	EA			2-1/8" Channel Mounted Cushion Clamp For 2" Pipe (Cooper B-Line BVT212).....	27.39	6.27
23 05 29 00-0499	EA			2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe (Cooper B-Line BVT262).....	30.45	6.74
23 05 29 00-0500	EA			3-1/8" Channel Mounted Cushion Clamp For 3" Pipe (Cooper B-Line BVT312).....	37.94	7.71
23 05 29 00-0501	EA			4-1/8" Channel Mounted Cushion Clamp For 4" Pipe (Cooper B-Line BVT412).....	60.17	8.68
23 05 29 00-0502				<b>Galvanized Steel Cushion Tube Clamp (KMC)</b> (23 05 29 00-0001)		
				Note: Excludes fastening bolt and drilling if necessary.		
23 05 29 00-0503	EA			1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe.....	3.69	
				Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0504	EA			1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe.....	3.82	
				Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0505	EA			5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe.....	3.90	
				Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0506	EA			5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe.....	4.12	
				Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0507	EA			7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe.....	3.86	
				Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0508	EA			7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe.....	4.25	
				Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0509	EA			1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe.....	4.01	
				Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0510	EA			1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe.....	4.49	
				Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0511	EA			1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe.....	4.51	
				Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0512	EA			1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe.....	4.23	
				Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0513	EA			1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe.....	4.45	
				Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0514	EA			1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe.....	5.12	
				Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0515	EA			1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe.....	4.47	
				Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0516	EA			1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe.....	4.90	
				Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0517	EA			1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe.....	5.62	
				Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0518	EA			2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe.....	5.68	
				Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0519	EA			2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe.....	6.07	
				Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0520	EA			2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe.....	6.85	
				Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0521	EA			2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe.....	7.09	
				Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0522	EA			2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe.....	8.26	
				Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0523	EA			2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe.....	8.35	
				Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0524	EA			3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe.....	7.33	
				Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0525	EA			3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe.....	8.26	
				Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0526	EA			3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe.....	8.82	
				Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0527	EA			3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe.....	7.63	
				Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0528	EA			3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe.....	8.19	
				Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0529	EA			3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe.....	10.38	
				Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0530	EA		4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	7.57	
23 05 29 00-0531	EA		4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	8.39	
23 05 29 00-0532	EA		4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	10.86	
<b>23 05 29 00-0533</b>			<b>Rooftop Pipe Supports</b> (23 05 29 00-0001) Note: Excludes pipe/conduit clamps and straps.		
<b>23 05 29 00-0534</b>			<b>Mechanical Supports (Pipe Pier®)</b> (23 05 29 00-0533) Note: Includes installation of support block. Excludes strut accessories.		
23 05 29 00-0535	EA		4" x 12" x 12", 150 LB Max Load, Support Block (Pipe Pier® 150)	190.02	2.45
<b>23 05 29 00-0536</b>			<b>Rooftop Support Base</b> (23 05 29 00-0533)		
23 05 29 00-0537	EA		4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	40.91	7.85
23 05 29 00-0538	EA		4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP)	57.30	10.47
<b>23 05 29 00-0539</b>			<b>Rooftop Support Base With 14 Gauge Galvanized Channel</b> (23 05 29 00-0533)		
23 05 29 00-0540	EA		5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	47.19	7.85
23 05 29 00-0541	EA		5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	67.49	10.47
23 05 29 00-0542	EA		5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	128.71	13.09
23 05 29 00-0543	EA		5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	179.45	15.71
23 05 29 00-0544	EA		5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	250.74	18.32
23 05 29 00-0545	EA		5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	263.38	20.94
<b>23 05 29 00-0546</b>			<b>Rooftop Support Base With 12 Gauge Galvanized Channel</b> (23 05 29 00-0533)		
23 05 29 00-0547	EA		6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	84.15	10.47
23 05 29 00-0548	EA		6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	136.14	13.09
23 05 29 00-0549	EA		6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	182.43	15.71
23 05 29 00-0550	EA		6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	250.91	18.32
23 05 29 00-0551	EA		6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	285.48	15.71
<b>23 05 29 00-0552</b>			<b>Rooftop Bridge Support Base With 12 Gauge Galvanized Channel</b> (23 05 29 00-0533)		
23 05 29 00-0553	EA		5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	142.15	15.71
23 05 29 00-0554	EA		5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	161.62	18.32
23 05 29 00-0555	EA		5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	166.79	20.94
23 05 29 00-0556	EA		5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	182.15	23.56
23 05 29 00-0557	EA		5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	235.71	26.18
<b>23 05 29 00-0558</b>			<b>Rooftop Pipe Support Base And Rod</b> (23 05 29 00-0533)		
23 05 29 00-0559	EA		9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	103.88	10.47
23 05 29 00-0560	EA		9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	103.88	10.47
23 05 29 00-0561	EA		9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	104.50	10.47
23 05 29 00-0562	EA		10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	110.38	13.09
23 05 29 00-0563	EA		10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	105.82	13.09
23 05 29 00-0564	EA		10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	111.67	13.09
<b>23 05 29 00-0565</b>			<b>Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly</b> (23 05 29 00-0533)		
23 05 29 00-0566	EA		7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	133.73	10.47
23 05 29 00-0567	EA		7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	150.10	10.47
23 05 29 00-0568	EA		8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	197.18	13.09
23 05 29 00-0569	EA		9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	264.09	13.09
23 05 29 00-0570	EA		9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	363.46	13.09
<b>23 05 29 00-0571</b>			<b>Rooftop Support Base And Adjustable Height Roller Assembly</b> (23 05 29 00-0533) Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0572	EA		Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	164.83	15.71



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0573				<b>Rooftop Support Base And Adjustable Height Channel Assembly</b> <small>(23 05 29 00-0533)</small>		
				Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0574	EA			Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8).....	106.13	13.09
23 05 29 00-0575	EA			Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12).....	146.12	15.71
23 05 29 00-0576	EA			Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16).....	162.38	18.32
23 05 29 00-0577				<b>Rooftop Support Bases With Channel Support And Risers Assembly</b> <small>(23 05 29 00-0533)</small>		
				Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
23 05 29 00-0578	EA			23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS).....	408.27	20.94
23 05 29 00-0579	EA			29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS).....	412.98	20.94
23 05 29 00-0580	EA			41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS).....	429.50	20.94
23 05 29 00-0581	EA			53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS).....	467.42	20.94
23 05 29 00-0582	EA			23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS).....	399.86	20.94
23 05 29 00-0583	EA			29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS).....	415.67	20.94
23 05 29 00-0584	EA			41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS).....	432.19	20.94
23 05 29 00-0585	EA			53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS).....	470.10	20.94
23 05 29 00-0586	EA			23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS).....	418.65	20.94
23 05 29 00-0587	EA			29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS).....	424.17	20.94
23 05 29 00-0588	EA			41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS).....	440.37	20.94
23 05 29 00-0589	EA			53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS).....	478.44	20.94
23 05 29 00-0590	EA			23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS).....	437.84	20.94
23 05 29 00-0591	EA			29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS).....	442.88	20.94
23 05 29 00-0592	EA			41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS).....	459.08	20.94
23 05 29 00-0593	EA			53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS).....	497.15	20.94
23 05 29 00-0594				<b>Threaded Rod, Accessories And Attachments</b> <small>(23 05 29)</small>		
23 05 29 00-0595				<b>Threaded Rod And Rod Accessories</b> <small>(23 05 29 00-0594)</small>		
23 05 29 00-0596				<b>Threaded Rod</b> <small>(23 05 29 00-0595)</small>		
				Note: Fully threaded.		
23 05 29 00-0597	LF			3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	3.08	0.65
				For Work In Restricted Working Space, Add	0.39	
				For Galvanized, Add	0.71	
				For Zinc Plated, Add	0.50	
23 05 29 00-0598	LF			1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	4.21	0.71
				For Work In Restricted Working Space, Add	0.42	
				For Galvanized, Add	1.13	
				For Zinc Plated, Add	0.80	
23 05 29 00-0599	LF			5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	5.80	0.73
				For Work In Restricted Working Space, Add	0.43	
				For Galvanized, Add	1.74	
				For Zinc Plated, Add	1.24	
23 05 29 00-0600	LF			3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	9.42	0.75
				For Work In Restricted Working Space, Add	0.45	
				For Galvanized, Add	3.17	
				For Zinc Plated, Add	2.26	
23 05 29 00-0601	LF			7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	10.25	0.77
				For Work In Restricted Working Space, Add	0.46	
				For Galvanized, Add	3.48	
				For Zinc Plated, Add	2.48	
23 05 29 00-0602	LF			1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	13.97	0.87
				For Work In Restricted Working Space, Add	0.52	
				For Galvanized, Add	4.89	
				For Zinc Plated, Add	3.49	
23 05 29 00-0603	LF			1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	17.37	0.97
				For Work In Restricted Working Space, Add	0.58	
				For Galvanized, Add	6.17	
				For Zinc Plated, Add	4.40	
23 05 29 00-0604				<b>Rod Couplings</b> <small>(23 05 29 00-0595)</small>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0605 EA 3/8" Diameter, Threaded Rod Coupling Nut.....	7.65	
For Work In Restricted Working Space, Add	1.93	
23 05 29 00-0606 EA 1/2" Diameter, Threaded Rod Coupling Nut.....	8.67	
For Work In Restricted Working Space, Add	2.14	
23 05 29 00-0607 EA 5/8" Diameter, Threaded Rod Coupling Nut.....	10.75	
For Work In Restricted Working Space, Add	2.41	
23 05 29 00-0608 EA 3/4" Diameter, Threaded Rod Coupling Nut.....	13.01	
For Work In Restricted Working Space, Add	2.63	
23 05 29 00-0609 EA 7/8" Diameter, Threaded Rod Coupling Nut.....	18.75	
For Work In Restricted Working Space, Add	2.89	
23 05 29 00-0610 EA 1" Diameter, Threaded Rod Coupling Nut.....	22.25	
For Work In Restricted Working Space, Add	3.41	
23 05 29 00-0611 EA 1-1/8" Diameter, Threaded Rod Coupling Nut.....	41.71	
For Work In Restricted Working Space, Add	3.86	
<b>23 05 29 00-0612 Flat Washers</b> (23 05 29 00-0595)		
Note: Zinc plated.		
23 05 29 00-0613 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.54	0.21
For Work In Restricted Working Space, Add	0.13	
For Galvanized, Add	0.03	
23 05 29 00-0614 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.72	0.21
For Work In Restricted Working Space, Add	0.15	
For Galvanized, Add	0.06	
23 05 29 00-0615 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.02	0.31
For Work In Restricted Working Space, Add	0.17	
For Galvanized, Add	0.11	
23 05 29 00-0616 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.39	0.31
For Work In Restricted Working Space, Add	0.23	
For Galvanized, Add	0.16	
23 05 29 00-0617 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.64	0.42
For Work In Restricted Working Space, Add	0.26	
For Galvanized, Add	0.19	
23 05 29 00-0618 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.91	0.42
For Work In Restricted Working Space, Add	0.29	
For Galvanized, Add	0.24	
23 05 29 00-0619 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.15	0.52
For Work In Restricted Working Space, Add	0.33	
For Galvanized, Add	0.27	
<b>23 05 29 00-0620 Hex Nuts</b> (23 05 29 00-0595)		
Note: Grade 2 and zinc plated.		
23 05 29 00-0621 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.68	0.26
For Work In Restricted Working Space, Add	0.18	
For Galvanized, Add	0.02	
23 05 29 00-0622 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.86	0.26
For Work In Restricted Working Space, Add	0.20	
For Galvanized, Add	0.05	
23 05 29 00-0623 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.14	0.26
For Work In Restricted Working Space, Add	0.21	
For Galvanized, Add	0.11	
23 05 29 00-0624 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.33	0.52
For Work In Restricted Working Space, Add	0.22	
For Galvanized, Add	0.15	
23 05 29 00-0625 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.90	0.52
For Work In Restricted Working Space, Add	0.23	
For Galvanized, Add	0.28	
23 05 29 00-0626 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.41	0.52
For Work In Restricted Working Space, Add	0.26	
For Galvanized, Add	0.38	
23 05 29 00-0627 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	3.86	0.52
For Work In Restricted Working Space, Add	0.29	
For Galvanized, Add	0.72	
<b>23 05 29 00-0628 Turnbuckle (Cooper B-Line B3202)</b> (23 05 29 00-0595)		
Note: Type 13.		
23 05 29 00-0629 EA 3/8" Turnbuckle (Cooper B-Line B3202).....	29.53	5.24
For Work In Restricted Working Space, Add	3.14	
23 05 29 00-0630 EA 1/2" Turnbuckle (Cooper B-Line B3202).....	35.33	5.75
For Work In Restricted Working Space, Add	3.49	
23 05 29 00-0631 EA 5/8" Turnbuckle (Cooper B-Line B3202).....	37.87	6.28
For Work In Restricted Working Space, Add	3.93	
23 05 29 00-0632 EA 3/4" Turnbuckle (Cooper B-Line B3202).....	48.15	7.33
For Work In Restricted Working Space, Add	4.49	
23 05 29 00-0633 EA 7/8" Turnbuckle (Cooper B-Line B3202).....	62.95	7.85
For Work In Restricted Working Space, Add	5.24	
23 05 29 00-0634 EA 1" Turnbuckle (Cooper B-Line B3202).....	78.37	8.38
For Work In Restricted Working Space, Add	6.29	
23 05 29 00-0635 EA 1-1/8" Turnbuckle (Cooper B-Line B3202).....	109.66	9.43
For Work In Restricted Working Space, Add	7.86	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0636				<b>Swivel Turnbuckle (Cooper B-Line B3224)</b> (23 05 29 00-0595) Note: Type 15.		
23 05 29 00-0637	EA			3/8" Swivel Turnbuckle (Cooper B-Line B3224).....	17.49	5.24
				<i>For Work In Restricted Working Space, Add</i>	3.14	
23 05 29 00-0638	EA			1/2" Swivel Turnbuckle (Cooper B-Line B3224).....	20.38	5.86
				<i>For Work In Restricted Working Space, Add</i>	3.49	
23 05 29 00-0639	EA			5/8" Swivel Turnbuckle (Cooper B-Line B3224).....	27.78	6.49
				<i>For Work In Restricted Working Space, Add</i>	3.93	
23 05 29 00-0640	EA			3/4" Swivel Turnbuckle (Cooper B-Line B3224).....	33.85	7.44
				<i>For Work In Restricted Working Space, Add</i>	4.49	
23 05 29 00-0641				<b>Forged Steel Clevis (Cooper B-Line B3201)</b> (23 05 29 00-0595) Note: Type 14.		
23 05 29 00-0642	EA			3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201).....	103.42	9.64
				<i>For Work In Restricted Working Space, Add</i>	5.79	
23 05 29 00-0643	EA			4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201).....	155.16	10.12
				<i>For Work In Restricted Working Space, Add</i>	6.09	
23 05 29 00-0644	EA			5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201).....	167.99	10.61
				<i>For Work In Restricted Working Space, Add</i>	6.43	
23 05 29 00-0645	EA			5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201).....	174.81	11.57
				<i>For Work In Restricted Working Space, Add</i>	6.80	
23 05 29 00-0646	EA			5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201).....	183.41	13.02
				<i>For Work In Restricted Working Space, Add</i>	7.71	
23 05 29 00-0647	EA			6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201).....	308.53	16.88
				<i>For Work In Restricted Working Space, Add</i>	10.12	
23 05 29 00-0648	EA			5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201).....	334.25	19.29
				<i>For Work In Restricted Working Space, Add</i>	11.57	
23 05 29 00-0649	EA			7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201).....	393.17	24.11
				<i>For Work In Restricted Working Space, Add</i>	14.46	
23 05 29 00-0650				<b>Welded Eye Rod (Cooper B-Line B3211)</b> (23 05 29 00-0595)		
23 05 29 00-0651	EA			3/8" Diameter x 8" Length Shank, Welded Eye Rod.....	29.07	5.65
				<i>For Work In Restricted Working Space, Add</i>	3.40	
23 05 29 00-0652	EA			3/8" Diameter x 10" Length Shank, Welded Eye Rod.....	30.05	5.75
				<i>For Work In Restricted Working Space, Add</i>	3.47	
23 05 29 00-0653	EA			3/8" Diameter x 12" Length Shank, Welded Eye Rod.....	31.03	5.86
				<i>For Work In Restricted Working Space, Add</i>	3.53	
23 05 29 00-0654	EA			3/8" Diameter x 14" Length Shank, Welded Eye Rod.....	31.25	5.97
				<i>For Work In Restricted Working Space, Add</i>	3.60	
23 05 29 00-0655	EA			3/8" Diameter x 18" Length Shank, Welded Eye Rod.....	33.21	6.18
				<i>For Work In Restricted Working Space, Add</i>	3.73	
23 05 29 00-0656	EA			3/8" Diameter x 24" Length Shank, Welded Eye Rod.....	35.44	6.60
				<i>For Work In Restricted Working Space, Add</i>	3.93	
23 05 29 00-0657	EA			3/8" Diameter x 30" Length Shank, Welded Eye Rod.....	36.84	6.91
				<i>For Work In Restricted Working Space, Add</i>	4.12	
23 05 29 00-0658	EA			3/8" Diameter x 36" Length Shank, Welded Eye Rod.....	39.82	7.22
				<i>For Work In Restricted Working Space, Add</i>	4.32	
23 05 29 00-0659	EA			3/8" Diameter x 42" Length Shank, Welded Eye Rod.....	42.00	7.54
				<i>For Work In Restricted Working Space, Add</i>	4.52	
23 05 29 00-0660	EA			3/8" Diameter x 48" Length Shank, Welded Eye Rod.....	44.21	7.85
				<i>For Work In Restricted Working Space, Add</i>	4.71	
23 05 29 00-0661	EA			1/2" Diameter x 8" Length Shank, Welded Eye Rod.....	39.51	6.28
				<i>For Work In Restricted Working Space, Add</i>	3.77	
23 05 29 00-0662	EA			1/2" Diameter x 10" Length Shank, Welded Eye Rod.....	40.49	6.39
				<i>For Work In Restricted Working Space, Add</i>	3.84	
23 05 29 00-0663	EA			1/2" Diameter x 12" Length Shank, Welded Eye Rod.....	41.52	6.49
				<i>For Work In Restricted Working Space, Add</i>	3.91	
23 05 29 00-0664	EA			1/2" Diameter x 14" Length Shank, Welded Eye Rod.....	42.52	6.60
				<i>For Work In Restricted Working Space, Add</i>	3.98	
23 05 29 00-0665	EA			1/2" Diameter x 18" Length Shank, Welded Eye Rod.....	44.51	6.80
				<i>For Work In Restricted Working Space, Add</i>	4.12	
23 05 29 00-0666	EA			1/2" Diameter x 24" Length Shank, Welded Eye Rod.....	48.30	7.23
				<i>For Work In Restricted Working Space, Add</i>	4.33	
23 05 29 00-0667	EA			1/2" Diameter x 30" Length Shank, Welded Eye Rod.....	51.30	7.54
				<i>For Work In Restricted Working Space, Add</i>	4.53	
23 05 29 00-0668	EA			1/2" Diameter x 36" Length Shank, Welded Eye Rod.....	55.09	7.85
				<i>For Work In Restricted Working Space, Add</i>	4.74	
23 05 29 00-0669	EA			1/2" Diameter x 42" Length Shank, Welded Eye Rod.....	58.07	8.28
				<i>For Work In Restricted Working Space, Add</i>	4.95	
23 05 29 00-0670	EA			1/2" Diameter x 48" Length Shank, Welded Eye Rod.....	61.09	8.59
				<i>For Work In Restricted Working Space, Add</i>	5.16	
23 05 29 00-0671	EA			5/8" Diameter x 8" Length Shank, Welded Eye Rod.....	54.09	7.02
				<i>For Work In Restricted Working Space, Add</i>	4.22	
23 05 29 00-0672	EA			5/8" Diameter x 10" Length Shank, Welded Eye Rod.....	55.85	7.13
				<i>For Work In Restricted Working Space, Add</i>	4.29	
23 05 29 00-0673	EA			5/8" Diameter x 12" Length Shank, Welded Eye Rod.....	57.66	7.23
				<i>For Work In Restricted Working Space, Add</i>	4.36	
23 05 29 00-0674	EA			5/8" Diameter x 14" Length Shank, Welded Eye Rod.....	58.67	7.44
				<i>For Work In Restricted Working Space, Add</i>	4.43	
23 05 29 00-0675	EA			5/8" Diameter x 18" Length Shank, Welded Eye Rod.....	61.46	7.65
				<i>For Work In Restricted Working Space, Add</i>	4.58	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0676	EA		5/8" Diameter x 24" Length Shank, Welded Eye Rod .....	66.04	7.96
			<i>For Work In Restricted Working Space, Add</i>	4.80	
23 05 29 00-0677	EA		5/8" Diameter x 30" Length Shank, Welded Eye Rod .....	70.59	8.38
			<i>For Work In Restricted Working Space, Add</i>	5.01	
23 05 29 00-0678	EA		5/8" Diameter x 36" Length Shank, Welded Eye Rod .....	74.40	8.69
			<i>For Work In Restricted Working Space, Add</i>	5.23	
23 05 29 00-0679	EA		5/8" Diameter x 42" Length Shank, Welded Eye Rod .....	78.98	9.11
			<i>For Work In Restricted Working Space, Add</i>	5.45	
23 05 29 00-0680	EA		5/8" Diameter x 48" Length Shank, Welded Eye Rod .....	83.53	9.43
			<i>For Work In Restricted Working Space, Add</i>	5.66	
23 05 29 00-0681	EA		3/4" Diameter x 8" Length Shank, Welded Eye Rod .....	66.78	7.96
			<i>For Work In Restricted Working Space, Add</i>	4.79	
23 05 29 00-0682	EA		3/4" Diameter x 10" Length Shank, Welded Eye Rod .....	69.34	8.06
			<i>For Work In Restricted Working Space, Add</i>	4.86	
23 05 29 00-0683	EA		3/4" Diameter x 12" Length Shank, Welded Eye Rod .....	71.12	8.28
			<i>For Work In Restricted Working Space, Add</i>	4.94	
23 05 29 00-0684	EA		3/4" Diameter x 14" Length Shank, Welded Eye Rod .....	73.68	8.38
			<i>For Work In Restricted Working Space, Add</i>	5.01	
23 05 29 00-0685	EA		3/4" Diameter x 18" Length Shank, Welded Eye Rod .....	78.03	8.59
			<i>For Work In Restricted Working Space, Add</i>	5.16	
23 05 29 00-0686	EA		3/4" Diameter x 24" Length Shank, Welded Eye Rod .....	84.14	9.01
			<i>For Work In Restricted Working Space, Add</i>	5.39	
23 05 29 00-0687	EA		3/4" Diameter x 30" Length Shank, Welded Eye Rod .....	90.28	9.32
			<i>For Work In Restricted Working Space, Add</i>	5.61	
23 05 29 00-0688	EA		3/4" Diameter x 36" Length Shank, Welded Eye Rod .....	97.19	9.74
			<i>For Work In Restricted Working Space, Add</i>	5.83	
23 05 29 00-0689	EA		3/4" Diameter x 42" Length Shank, Welded Eye Rod .....	104.06	10.05
			<i>For Work In Restricted Working Space, Add</i>	6.05	
23 05 29 00-0690	EA		3/4" Diameter x 48" Length Shank, Welded Eye Rod .....	110.21	10.47
			<i>For Work In Restricted Working Space, Add</i>	6.28	
23 05 29 00-0691	EA		7/8" Diameter x 8" Length Shank, Welded Eye Rod .....	80.10	9.21
			<i>For Work In Restricted Working Space, Add</i>	5.56	
23 05 29 00-0692	EA		7/8" Diameter x 10" Length Shank, Welded Eye Rod .....	83.44	9.43
			<i>For Work In Restricted Working Space, Add</i>	5.63	
23 05 29 00-0693	EA		7/8" Diameter x 12" Length Shank, Welded Eye Rod .....	86.01	9.54
			<i>For Work In Restricted Working Space, Add</i>	5.71	
23 05 29 00-0694	EA		7/8" Diameter x 14" Length Shank, Welded Eye Rod .....	88.57	9.64
			<i>For Work In Restricted Working Space, Add</i>	5.79	
23 05 29 00-0695	EA		7/8" Diameter x 18" Length Shank, Welded Eye Rod .....	93.73	9.95
			<i>For Work In Restricted Working Space, Add</i>	5.95	
23 05 29 00-0696	EA		7/8" Diameter x 24" Length Shank, Welded Eye Rod .....	102.18	10.26
			<i>For Work In Restricted Working Space, Add</i>	6.18	
23 05 29 00-0697	EA		7/8" Diameter x 30" Length Shank, Welded Eye Rod .....	109.88	10.69
			<i>For Work In Restricted Working Space, Add</i>	6.41	
23 05 29 00-0698	EA		7/8" Diameter x 36" Length Shank, Welded Eye Rod .....	118.36	11.10
			<i>For Work In Restricted Working Space, Add</i>	6.65	
23 05 29 00-0699	EA		7/8" Diameter x 42" Length Shank, Welded Eye Rod .....	126.05	11.42
			<i>For Work In Restricted Working Space, Add</i>	6.87	
23 05 29 00-0700	EA		7/8" Diameter x 48" Length Shank, Welded Eye Rod .....	133.76	11.83
			<i>For Work In Restricted Working Space, Add</i>	7.11	
23 05 29 00-0701	EA		1" Diameter x 8" Length Shank, Welded Eye Rod .....	100.62	11.10
			<i>For Work In Restricted Working Space, Add</i>	6.63	
23 05 29 00-0702	EA		1" Diameter x 10" Length Shank, Welded Eye Rod .....	104.00	11.21
			<i>For Work In Restricted Working Space, Add</i>	6.72	
23 05 29 00-0703	EA		1" Diameter x 12" Length Shank, Welded Eye Rod .....	107.38	11.31
			<i>For Work In Restricted Working Space, Add</i>	6.81	
23 05 29 00-0704	EA		1" Diameter x 14" Length Shank, Welded Eye Rod .....	110.74	11.52
			<i>For Work In Restricted Working Space, Add</i>	6.89	
23 05 29 00-0705	EA		1" Diameter x 18" Length Shank, Welded Eye Rod .....	117.46	11.83
			<i>For Work In Restricted Working Space, Add</i>	7.07	
23 05 29 00-0706	EA		1" Diameter x 24" Length Shank, Welded Eye Rod .....	127.58	12.26
			<i>For Work In Restricted Working Space, Add</i>	7.33	
23 05 29 00-0707	EA		1" Diameter x 30" Length Shank, Welded Eye Rod .....	137.70	12.67
			<i>For Work In Restricted Working Space, Add</i>	7.59	
23 05 29 00-0708	EA		1" Diameter x 36" Length Shank, Welded Eye Rod .....	148.54	13.09
			<i>For Work In Restricted Working Space, Add</i>	7.86	
23 05 29 00-0709	EA		1" Diameter x 42" Length Shank, Welded Eye Rod .....	158.66	13.51
			<i>For Work In Restricted Working Space, Add</i>	8.12	
23 05 29 00-0710	EA		1" Diameter x 48" Length Shank, Welded Eye Rod .....	168.78	13.93
			<i>For Work In Restricted Working Space, Add</i>	8.38	
23 05 29 00-0711			<b>Welded Linked Eye Rod (Cooper B-Line B3211X)</b> (23 05 29 00-0595)		
23 05 29 00-0712	EA		3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod .....	63.04	7.65
			<i>For Work In Restricted Working Space, Add</i>	4.61	
23 05 29 00-0713	EA		3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod .....	64.74	7.85
			<i>For Work In Restricted Working Space, Add</i>	4.74	
23 05 29 00-0714	EA		3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod .....	66.44	8.16
			<i>For Work In Restricted Working Space, Add</i>	4.87	
23 05 29 00-0715	EA		3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod .....	67.10	8.48
			<i>For Work In Restricted Working Space, Add</i>	5.07	
23 05 29 00-0716	EA		3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod .....	70.28	8.80
			<i>For Work In Restricted Working Space, Add</i>	5.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0717	EA		3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	74.21	9.42
			<i>For Work In Restricted Working Space, Add</i>	5.65	
23 05 29 00-0718	EA		3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	76.77	10.05
			<i>For Work In Restricted Working Space, Add</i>	6.05	
23 05 29 00-0719	EA		3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	81.95	10.78
			<i>For Work In Restricted Working Space, Add</i>	6.44	
23 05 29 00-0720	EA		1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	82.25	8.49
			<i>For Work In Restricted Working Space, Add</i>	5.09	
23 05 29 00-0721	EA		1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	83.98	8.69
			<i>For Work In Restricted Working Space, Add</i>	5.23	
23 05 29 00-0722	EA		1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	85.77	8.90
			<i>For Work In Restricted Working Space, Add</i>	5.37	
23 05 29 00-0723	EA		1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	87.74	9.32
			<i>For Work In Restricted Working Space, Add</i>	5.58	
23 05 29 00-0724	EA		1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	90.98	9.64
			<i>For Work In Restricted Working Space, Add</i>	5.79	
23 05 29 00-0725	EA		1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	97.51	10.37
			<i>For Work In Restricted Working Space, Add</i>	6.21	
23 05 29 00-0726	EA		1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	102.77	11.00
			<i>For Work In Restricted Working Space, Add</i>	6.62	
23 05 29 00-0727	EA		1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	109.31	11.73
			<i>For Work In Restricted Working Space, Add</i>	7.04	
23 05 29 00-0728	EA		5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	111.11	9.43
			<i>For Work In Restricted Working Space, Add</i>	5.69	
23 05 29 00-0729	EA		5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	114.13	9.74
			<i>For Work In Restricted Working Space, Add</i>	5.83	
23 05 29 00-0730	EA		5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	117.20	9.95
			<i>For Work In Restricted Working Space, Add</i>	5.97	
23 05 29 00-0731	EA		5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	119.22	10.37
			<i>For Work In Restricted Working Space, Add</i>	6.19	
23 05 29 00-0732	EA		5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	123.79	10.69
			<i>For Work In Restricted Working Space, Add</i>	6.41	
23 05 29 00-0733	EA		5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	131.65	11.42
			<i>For Work In Restricted Working Space, Add</i>	6.84	
23 05 29 00-0734	EA		5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	139.48	12.15
			<i>For Work In Restricted Working Space, Add</i>	7.27	
23 05 29 00-0735	EA		5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	146.07	12.88
			<i>For Work In Restricted Working Space, Add</i>	7.71	
23 05 29 00-0736	EA		3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	141.17	10.69
			<i>For Work In Restricted Working Space, Add</i>	6.44	
23 05 29 00-0737	EA		3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	145.57	11.00
			<i>For Work In Restricted Working Space, Add</i>	6.59	
23 05 29 00-0738	EA		3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	148.60	11.21
			<i>For Work In Restricted Working Space, Add</i>	6.74	
23 05 29 00-0739	EA		3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	153.19	11.62
			<i>For Work In Restricted Working Space, Add</i>	6.96	
23 05 29 00-0740	EA		3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	160.34	11.95
			<i>For Work In Restricted Working Space, Add</i>	7.18	
23 05 29 00-0741	EA		3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	170.79	12.67
			<i>For Work In Restricted Working Space, Add</i>	7.63	
23 05 29 00-0742	EA		3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	181.26	13.41
			<i>For Work In Restricted Working Space, Add</i>	8.07	
23 05 29 00-0743	EA		3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	193.03	14.24
			<i>For Work In Restricted Working Space, Add</i>	8.52	
23 05 29 00-0744	EA		7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	169.83	12.36
			<i>For Work In Restricted Working Space, Add</i>	7.44	
23 05 29 00-0745	EA		7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	175.49	12.67
			<i>For Work In Restricted Working Space, Add</i>	7.60	
23 05 29 00-0746	EA		7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	179.87	12.88
			<i>For Work In Restricted Working Space, Add</i>	7.75	
23 05 29 00-0747	EA		7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	184.47	13.31
			<i>For Work In Restricted Working Space, Add</i>	7.98	
23 05 29 00-0748	EA		7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	192.98	13.72
			<i>For Work In Restricted Working Space, Add</i>	8.22	
23 05 29 00-0749	EA		7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	207.34	14.46
			<i>For Work In Restricted Working Space, Add</i>	8.68	
23 05 29 00-0750	EA		7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	220.42	15.29
			<i>For Work In Restricted Working Space, Add</i>	9.15	
23 05 29 00-0751	EA		7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	234.79	16.03
			<i>For Work In Restricted Working Space, Add</i>	9.61	
23 05 29 00-0752	EA		1" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	216.90	14.77
			<i>For Work In Restricted Working Space, Add</i>	8.87	
23 05 29 00-0753	EA		1" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	222.61	15.08
			<i>For Work In Restricted Working Space, Add</i>	9.04	
23 05 29 00-0754	EA		1" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	228.34	15.39
			<i>For Work In Restricted Working Space, Add</i>	9.22	
23 05 29 00-0755	EA		1" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	234.35	15.82
			<i>For Work In Restricted Working Space, Add</i>	9.48	
23 05 29 00-0756	EA		1" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	245.43	16.24
			<i>For Work In Restricted Working Space, Add</i>	9.74	
23 05 29 00-0757	EA		1" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	262.60	17.08
			<i>For Work In Restricted Working Space, Add</i>	10.27	
23 05 29 00-0758	EA		1" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	279.77	18.01
			<i>For Work In Restricted Working Space, Add</i>	10.79	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0759 EA 1" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	298.12 11.31	18.85
<b>23 05 29 00-0760 Attachments</b> (23 05 29 00-0594)		
<b>23 05 29 00-0761 Welded Beam Attachments (B-Line B-3083)</b> (23 05 29 00-0760) Note: Type 22.		
23 05 29 00-0762 EA 3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	46.72 5.87	9.78
23 05 29 00-0763 EA 1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	49.89 6.18	10.27
23 05 29 00-0764 EA 5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	53.15 6.53	10.87
23 05 29 00-0765 EA 3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	68.50 6.91	11.55
23 05 29 00-0766 EA 7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	82.66 7.34	12.24
23 05 29 00-0767 EA 1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	116.82 8.39	14.00
23 05 29 00-0768 EA 1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	166.92 8.81	14.68
<b>23 05 29 00-0769 C-Clamp Style Beam Clamps (B-Line B-3034)</b> (23 05 29 00-0760) Note: Type 23. Top or bottom flange mount.		
23 05 29 00-0770 EA 3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	16.41 3.93	5.34
23 05 29 00-0771 EA 1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	19.71 4.19	6.80
23 05 29 00-0772 EA 5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	22.44 4.49	7.33
23 05 29 00-0773 EA 3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	29.09 4.84	7.85
23 05 29 00-0774 EA 7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	42.66 5.24	8.38
<b>23 05 29 00-0775 Bottom Mount I-Beam Clamps (B-Line B-3055)</b> (23 05 29 00-0760) Note: Type 21. For attaching threaded rod centered under beam flanges.		
23 05 29 00-0776 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	46.61 5.24	7.33
23 05 29 00-0777 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	69.01 5.71	9.43
23 05 29 00-0778 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	99.08 6.29	10.47
23 05 29 00-0779 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	118.73 6.98	11.52
23 05 29 00-0780 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	289.75 7.86	12.57
<b>23 05 29 00-0781 Steel U-Bolts (B-Line B-3188)</b> (23 05 29 00-0760) Note: Type 24. Includes plate and nuts.		
23 05 29 00-0782 EA 1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	13.39 3.14	2.62
23 05 29 00-0783 EA 3/4" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	14.56 3.31	3.14
23 05 29 00-0784 EA 1" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	15.68 3.49	3.14
23 05 29 00-0785 EA 1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	17.89 3.69	3.14
23 05 29 00-0786 EA 1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	18.46 3.93	3.67
23 05 29 00-0787 EA 2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	19.75 4.19	3.67
23 05 29 00-0788 EA 2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	28.84 4.49	3.67
23 05 29 00-0789 EA 3" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	31.83 4.83	4.19
23 05 29 00-0790 EA 4" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	38.60 5.24	4.72
<b>23 05 29 00-0791 Copper Standoff Brackets With Flange</b> (23 05 29 00-0760) Note: Installed in wood, concrete, concrete block or steel.		
23 05 29 00-0792 EA Clamp Size 1/2", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	32.11 8.98	14.98
23 05 29 00-0793 EA Clamp Size 3/4", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	32.24 8.98	14.98
23 05 29 00-0794 EA Clamp Size 1", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	32.38 8.98	14.98
23 05 29 00-0795 EA Clamp Size 1 1/4", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	34.45 9.52	15.92





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0796 EA Clamp Size 1 1/2", Copper Standoff Brackets With Flange ..... <i>For Work In Restricted Working Space, Add</i>	34.72 9.52	15.92
<b>23 05 29 00-0797 Malleable Iron Eye Sockets (B-Line B-3222) (23 05 29 00-0760)</b> Note: Type 16.		
23 05 29 00-0798 EA 3/8" Rod Size, Malleable Iron Eye Socket ..... <i>For Work In Restricted Working Space, Add</i>	10.53 0.95	1.57
23 05 29 00-0799 EA 1/2" Rod Size, Malleable Iron Eye Socket ..... <i>For Work In Restricted Working Space, Add</i>	13.41 1.26	2.10
23 05 29 00-0800 EA 5/8" Rod Size, Malleable Iron Eye Socket ..... <i>For Work In Restricted Working Space, Add</i>	23.17 1.27	2.10
23 05 29 00-0801 EA 3/4" Rod Size, Malleable Iron Eye Socket ..... <i>For Work In Restricted Working Space, Add</i>	32.73 1.26	2.10
23 05 29 00-0802 EA 7/8" Rod Size, Malleable Iron Eye Socket ..... <i>For Work In Restricted Working Space, Add</i>	35.32 1.57	2.62
<b>23 05 29 00-0803 Steel Weldless Eye Nuts (B-Line B-3200) (23 05 29 00-0760)</b> Note: Type 17.		
23 05 29 00-0804 EA 3/8" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	34.58 0.95	1.57
23 05 29 00-0805 EA 1/2" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	35.59 1.26	2.10
23 05 29 00-0806 EA 5/8" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	35.63 1.27	2.10
23 05 29 00-0807 EA 3/4" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	35.59 1.26	2.10
23 05 29 00-0808 EA 7/8" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	69.51 1.41	2.31
23 05 29 00-0809 EA 1" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	70.04 1.57	2.62
<b>23 05 29 00-0810 Top Mount I-Beam Clamps (B-Line B-3042) (23 05 29 00-0760)</b> Note: For attaching threaded rod to either side of an I-beam.		
23 05 29 00-0811 EA 3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	23.11 2.93	4.89
23 05 29 00-0812 EA 1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	27.86 3.24	5.38
23 05 29 00-0813 EA 5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	33.80 3.56	5.87
23 05 29 00-0814 EA 3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	46.62 3.74	6.36
23 05 29 00-0815 EA 7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	71.75 4.40	7.34
23 05 29 00-0816 EA 3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	24.35 2.93	4.89
23 05 29 00-0817 EA 1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	29.61 3.24	5.38
23 05 29 00-0818 EA 5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	33.80 3.56	5.87
23 05 29 00-0819 EA 3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	51.22 3.74	6.36
23 05 29 00-0820 EA 7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	79.61 4.40	7.34
23 05 29 00-0821 EA 3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	27.23 2.93	4.89
23 05 29 00-0822 EA 1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	32.85 3.24	5.38
23 05 29 00-0823 EA 5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	41.38 3.56	5.87
23 05 29 00-0824 EA 3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	59.82 3.74	6.36
23 05 29 00-0825 EA 7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	96.43 4.40	7.34
<b>23 05 29 00-0826 Side Beam Brackets (B-Line B-3062) (23 05 29 00-0760)</b> Note: Type 34.		
23 05 29 00-0827 EA 3/8" Rod Size, Side Beam Bracket ..... <i>For Work In Restricted Working Space, Add</i>	18.46 3.93	6.80
23 05 29 00-0828 EA 1/2" Rod Size, Side Beam Bracket ..... <i>For Work In Restricted Working Space, Add</i>	21.93 4.19	6.80
23 05 29 00-0829 EA 5/8" Rod Size, Side Beam Bracket ..... <i>For Work In Restricted Working Space, Add</i>	28.55 4.49	7.33
23 05 29 00-0830 EA 3/4" Rod Size, Side Beam Bracket ..... <i>For Work In Restricted Working Space, Add</i>	51.27 4.84	7.85
23 05 29 00-0831 EA 7/8" Rod Size, Side Beam Bracket ..... <i>For Work In Restricted Working Space, Add</i>	60.08 5.24	8.90
<b>23 05 29 00-0832 Hex Lag Bolts (23 05 29 00-0760)</b> Note: Also known as coach screws.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0833	EA		3/8" x 3-1/2" Long, Hex Lag Bolt.....	2.78	
			<i>For Work In Restricted Working Space, Add</i>	0.65	
23 05 29 00-0834	EA		3/8" x 4" Long, Hex Lag Bolt.....	2.83	
			<i>For Work In Restricted Working Space, Add</i>	0.68	
23 05 29 00-0835	EA		3/8" x 6" Long, Hex Lag Bolt.....	3.16	
			<i>For Work In Restricted Working Space, Add</i>	0.70	
23 05 29 00-0836	EA		3/8" x 8" Long, Hex Lag Bolt.....	3.77	
			<i>For Work In Restricted Working Space, Add</i>	0.73	
23 05 29 00-0837	EA		3/8" x 10" Long, Hex Lag Bolt.....	4.01	
			<i>For Work In Restricted Working Space, Add</i>	0.76	
23 05 29 00-0838	EA		3/8" x 12" Long, Hex Lag Bolt.....	5.02	
			<i>For Work In Restricted Working Space, Add</i>	0.79	
23 05 29 00-0839	EA		1/2" x 3-1/2" Long, Hex Lag Bolt.....	3.77	
			<i>For Work In Restricted Working Space, Add</i>	0.79	
23 05 29 00-0840	EA		1/2" x 4" Long, Hex Lag Bolt.....	3.83	
			<i>For Work In Restricted Working Space, Add</i>	0.82	
23 05 29 00-0841	EA		1/2" x 6" Long, Hex Lag Bolt.....	4.41	
			<i>For Work In Restricted Working Space, Add</i>	0.85	
23 05 29 00-0842	EA		1/2" x 8" Long, Hex Lag Bolt.....	5.08	
			<i>For Work In Restricted Working Space, Add</i>	0.89	
23 05 29 00-0843	EA		1/2" x 10" Long, Hex Lag Bolt.....	5.95	
			<i>For Work In Restricted Working Space, Add</i>	0.93	
23 05 29 00-0844	EA		1/2" x 12" Long, Hex Lag Bolt.....	6.38	
			<i>For Work In Restricted Working Space, Add</i>	0.98	
23 05 29 00-0845	EA		5/8" x 4" Long, Hex Lag Bolt.....	5.15	
			<i>For Work In Restricted Working Space, Add</i>	0.87	
23 05 29 00-0846	EA		3/4" x 5" Long, Hex Lag Bolt.....	5.98	
			<i>For Work In Restricted Working Space, Add</i>	0.89	
<b>23 05 29 00-0847</b>			<b>Hanger Strap</b> <small>(23 05 29 00-0594)</small>		
23 05 29 00-0848	LF		3/4" Wide x 0.025" Thick Galvanized Hanger Strap.....	5.09	
<b>23 05 29 00-0849</b>			<b>Shields And Saddles</b> <small>(23 05 29)</small>		
<b>23 05 29 00-0850</b>			<b>Insulation Protection Shield</b> <small>(23 05 29 00-0849)</small>		
			Note: Type 40.		
<b>23 05 29 00-0851</b>			<b>Insulation Protection Shield (Cooper B-Line B3151)</b> <small>(23 05 29 00-0850)</small>		
23 05 29 00-0852	EA		1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	16.30	2.51
			<i>For Work In Restricted Working Space, Add</i>	2.51	
23 05 29 00-0853	EA		2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	16.55	2.54
			<i>For Work In Restricted Working Space, Add</i>	2.55	
23 05 29 00-0854	EA		2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	16.98	2.58
			<i>For Work In Restricted Working Space, Add</i>	2.58	
23 05 29 00-0855	EA		3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	17.84	2.61
			<i>For Work In Restricted Working Space, Add</i>	2.61	
23 05 29 00-0856	EA		4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	19.91	2.67
			<i>For Work In Restricted Working Space, Add</i>	2.67	
23 05 29 00-0857	EA		6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	24.74	2.73
			<i>For Work In Restricted Working Space, Add</i>	2.73	
23 05 29 00-0858	EA		8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151).....	29.09	2.79
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 05 29 00-0859	EA		10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151).....	36.03	2.86
			<i>For Work In Restricted Working Space, Add</i>	2.86	
23 05 29 00-0860	EA		12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	46.89	2.89
			<i>For Work In Restricted Working Space, Add</i>	2.89	
23 05 29 00-0861	EA		14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	51.26	2.92
			<i>For Work In Restricted Working Space, Add</i>	2.92	
23 05 29 00-0862	EA		16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	71.45	2.95
			<i>For Work In Restricted Working Space, Add</i>	2.96	
23 05 29 00-0863	EA		18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	80.54	2.98
			<i>For Work In Restricted Working Space, Add</i>	2.99	
23 05 29 00-0864	EA		20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	151.48	3.01
			<i>For Work In Restricted Working Space, Add</i>	3.02	
23 05 29 00-0865	EA		24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	164.83	3.07
			<i>For Work In Restricted Working Space, Add</i>	3.08	
23 05 29 00-0866	EA		30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	199.70	3.15
			<i>For Work In Restricted Working Space, Add</i>	3.14	
<b>23 05 29 00-0867</b>			<b>Insulation Protection Shield (Cooper B-Line B3154)</b> <small>(23 05 29 00-0850)</small>		
23 05 29 00-0868	EA		1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	14.12	2.51
			<i>For Work In Restricted Working Space, Add</i>	2.51	
23 05 29 00-0869	EA		2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	14.33	2.54
			<i>For Work In Restricted Working Space, Add</i>	2.55	
23 05 29 00-0870	EA		2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	14.67	2.58
			<i>For Work In Restricted Working Space, Add</i>	2.58	
23 05 29 00-0871	EA		3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	15.32	2.61
			<i>For Work In Restricted Working Space, Add</i>	2.61	
23 05 29 00-0872	EA		4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	16.89	2.67
			<i>For Work In Restricted Working Space, Add</i>	2.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0873 EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	20.44 2.73	2.73
23 05 29 00-0874 EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	22.09 2.80	2.79
23 05 29 00-0875 EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	28.75 2.86	2.86
23 05 29 00-0876 EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	34.94 2.89	2.89
<b>23 05 29 00-0877 Pipe Covering Protection Saddle (23 05 29 00-0849)</b> Note: Sizes are pipe sizes.		
<b>23 05 29 00-0878 Saddle, For 1" Insulation (Cooper B-Line B3160) (23 05 29 00-0877)</b>		
23 05 29 00-0879 EA 3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)..... <i>For Work In Restricted Working Space, Add</i>	25.38 3.47	3.47
23 05 29 00-0880 EA 1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	25.48 3.50	3.49
23 05 29 00-0881 EA 1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	25.58 3.53	3.52
23 05 29 00-0882 EA 1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	26.94 3.58	3.58
23 05 29 00-0883 EA 2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	27.03 3.61	3.61
23 05 29 00-0884 EA 2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	27.99 3.67	3.67
23 05 29 00-0885 EA 3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	31.45 3.73	3.72
23 05 29 00-0886 EA 4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	35.68 3.79	3.79
23 05 29 00-0887 EA 6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	40.44 3.91	3.91
23 05 29 00-0888 EA 8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	49.88 4.05	4.05
23 05 29 00-0889 EA 10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	56.13 4.11	4.11
23 05 29 00-0890 EA 12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	67.17 4.20	4.11
23 05 29 00-0891 EA 14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	73.63 4.26	4.26
<b>23 05 29 00-0892 Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) (23 05 29 00-0877)</b>		
23 05 29 00-0893 EA 3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	29.06 3.47	3.47
23 05 29 00-0894 EA 1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	29.16 3.50	3.49
23 05 29 00-0895 EA 1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	29.26 3.53	3.52
23 05 29 00-0896 EA 1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	30.38 3.58	3.58
23 05 29 00-0897 EA 2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	33.03 3.61	3.61
23 05 29 00-0898 EA 2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	35.79 3.67	3.67
23 05 29 00-0899 EA 3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	36.39 3.73	3.72
23 05 29 00-0900 EA 4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	41.76 3.79	3.72
23 05 29 00-0901 EA 6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	47.32 3.91	3.91
23 05 29 00-0902 EA 8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	56.63 4.05	4.05
23 05 29 00-0903 EA 10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	64.11 4.11	4.11
23 05 29 00-0904 EA 12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	77.01 4.20	4.20
23 05 29 00-0905 EA 14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	84.68 4.26	4.26
<b>23 05 29 00-0906 Saddle, For 2" Insulation (Cooper B-Line B3162) (23 05 29 00-0877)</b>		
23 05 29 00-0907 EA 3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	31.17 3.64	3.64
23 05 29 00-0908 EA 1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	31.27 3.67	3.67
23 05 29 00-0909 EA 1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	33.08 3.70	3.70
23 05 29 00-0910 EA 1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	34.15 3.76	3.76
23 05 29 00-0911 EA 2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	35.11 3.79	3.79
23 05 29 00-0912 EA 2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	35.30 3.85	3.86

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0913 EA 3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	37.48	3.92
<i>For Work In Restricted Working Space, Add</i>	3.91	
23 05 29 00-0914 EA 4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	39.64	3.97
<i>For Work In Restricted Working Space, Add</i>	3.96	
23 05 29 00-0915 EA 6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	51.53	4.10
<i>For Work In Restricted Working Space, Add</i>	4.11	
23 05 29 00-0916 EA 8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	58.84	4.26
<i>For Work In Restricted Working Space, Add</i>	4.26	
23 05 29 00-0917 EA 10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	61.94	4.32
<i>For Work In Restricted Working Space, Add</i>	4.32	
23 05 29 00-0918 EA 12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	85.06	4.40
<i>For Work In Restricted Working Space, Add</i>	4.40	
23 05 29 00-0919 EA 14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	94.64	4.47
<i>For Work In Restricted Working Space, Add</i>	4.46	
23 05 29 00-0920 EA 16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	104.41	4.58
<i>For Work In Restricted Working Space, Add</i>	4.58	
23 05 29 00-0921 EA 18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	114.17	4.70
<i>For Work In Restricted Working Space, Add</i>	4.70	
23 05 29 00-0922 EA 20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	125.57	4.82
<i>For Work In Restricted Working Space, Add</i>	4.82	
23 05 29 00-0923 EA 24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	144.41	4.93
<i>For Work In Restricted Working Space, Add</i>	4.93	
<b>23 05 29 00-0924 Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) (23 05 29 00-0877)</b>		
23 05 29 00-0925 EA 1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	35.23	3.79
<i>For Work In Restricted Working Space, Add</i>	3.79	
23 05 29 00-0926 EA 1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	37.35	3.85
<i>For Work In Restricted Working Space, Add</i>	3.85	
23 05 29 00-0927 EA 2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	38.41	3.89
<i>For Work In Restricted Working Space, Add</i>	3.87	
23 05 29 00-0928 EA 2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	39.59	3.94
<i>For Work In Restricted Working Space, Add</i>	3.94	
23 05 29 00-0929 EA 3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	39.88	4.01
<i>For Work In Restricted Working Space, Add</i>	4.02	
23 05 29 00-0930 EA 4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	47.00	4.07
<i>For Work In Restricted Working Space, Add</i>	4.08	
23 05 29 00-0931 EA 6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	54.33	4.20
<i>For Work In Restricted Working Space, Add</i>	4.20	
23 05 29 00-0932 EA 8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	63.87	4.36
<i>For Work In Restricted Working Space, Add</i>	4.34	
23 05 29 00-0933 EA 10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	68.72	4.42
<i>For Work In Restricted Working Space, Add</i>	4.43	
23 05 29 00-0934 EA 12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	87.26	4.51
<i>For Work In Restricted Working Space, Add</i>	4.52	
23 05 29 00-0935 EA 14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	104.49	4.58
<i>For Work In Restricted Working Space, Add</i>	4.58	
23 05 29 00-0936 EA 16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	121.90	4.69
<i>For Work In Restricted Working Space, Add</i>	4.70	
23 05 29 00-0937 EA 18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	129.71	4.81
<i>For Work In Restricted Working Space, Add</i>	4.82	
23 05 29 00-0938 EA 20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	138.38	4.93
<i>For Work In Restricted Working Space, Add</i>	4.93	
23 05 29 00-0939 EA 24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	147.07	5.05
<i>For Work In Restricted Working Space, Add</i>	5.05	
<b>23 05 29 00-0940 Saddle, For 3" Insulation (Cooper B-Line B3164) (23 05 29 00-0877)</b>		
23 05 29 00-0941 EA 2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	39.79	3.97
<i>For Work In Restricted Working Space, Add</i>	3.96	
23 05 29 00-0942 EA 2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) .....	43.75	4.04
<i>For Work In Restricted Working Space, Add</i>	4.05	
23 05 29 00-0943 EA 3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	45.76	4.10
<i>For Work In Restricted Working Space, Add</i>	4.11	
23 05 29 00-0944 EA 4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	47.79	4.16
<i>For Work In Restricted Working Space, Add</i>	4.17	
23 05 29 00-0945 EA 6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	55.50	4.30
<i>For Work In Restricted Working Space, Add</i>	4.29	
23 05 29 00-0946 EA 8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	70.72	4.45
<i>For Work In Restricted Working Space, Add</i>	4.46	
23 05 29 00-0947 EA 10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	77.02	4.52
<i>For Work In Restricted Working Space, Add</i>	4.52	
23 05 29 00-0948 EA 12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	101.82	4.62
<i>For Work In Restricted Working Space, Add</i>	4.61	
23 05 29 00-0949 EA 14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	122.57	4.69
<i>For Work In Restricted Working Space, Add</i>	4.70	
23 05 29 00-0950 EA 16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	143.33	4.80
<i>For Work In Restricted Working Space, Add</i>	4.79	
23 05 29 00-0951 EA 18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	146.01	4.92
<i>For Work In Restricted Working Space, Add</i>	4.93	
23 05 29 00-0952 EA 20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	148.60	5.04
<i>For Work In Restricted Working Space, Add</i>	5.05	
23 05 29 00-0953 EA 24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	190.18	5.17
<i>For Work In Restricted Working Space, Add</i>	5.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 29 00-0954 Saddle, For 4" Insulation (Cooper B-Line B3165)</b> <small>(23 05 29 00-0677)</small>		
23 05 29 00-0955 EA 2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	45.40 4.05	4.06
23 05 29 00-0956 EA 2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	50.08 4.14	4.13
23 05 29 00-0957 EA 3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	52.47 4.20	4.20
23 05 29 00-0958 EA 4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	54.97 4.26	4.26
23 05 29 00-0959 EA 6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	68.10 4.40	4.39
23 05 29 00-0960 EA 8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	81.23 4.55	4.56
23 05 29 00-0961 EA 10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	84.05 4.64	4.63
23 05 29 00-0962 EA 12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	109.01 4.73	4.73
23 05 29 00-0963 EA 14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	133.56 4.79	4.79
23 05 29 00-0964 EA 16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	158.31 4.90	4.91
23 05 29 00-0965 EA 18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	194.88 5.02	5.03
23 05 29 00-0966 EA 20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	231.24 5.17	5.16
23 05 29 00-0967 EA 24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	247.70 5.29	5.28
23 05 29 00-0968 EA 30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	260.84 5.43	5.42
23 05 29 00-0969 EA 36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	270.57 5.55	5.56
<b>23 05 29 00-0970 Adjustable Pipe Saddle Support (Cooper B-Line B3096)</b> <small>(23 05 29 00-0849)</small>		
23 05 29 00-0971 EA 2" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	103.91	13.09
23 05 29 00-0972 EA 3" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	109.47	15.19
23 05 29 00-0973 EA 4" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	133.48	17.28
23 05 29 00-0974 EA 5" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	138.79	18.85
23 05 29 00-0975 EA 6" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	153.98	20.95
23 05 29 00-0976 EA 8" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	173.63	26.19
23 05 29 00-0977 EA 10" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	226.66	35.09
23 05 29 00-0978 EA 12" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	274.58	52.37
<b>23 05 29 00-0979 Pipe Stanchion Support (Cooper B-Line B3090)</b> <small>(23 05 29 00-0849)</small>		
23 05 29 00-0980 EA 2-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	130.47	13.09
23 05 29 00-0981 EA 3" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	134.21	15.19
23 05 29 00-0982 EA 3-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	143.68	16.24
23 05 29 00-0983 EA 4" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	146.13	17.28
23 05 29 00-0984 EA 5" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	153.34	18.85
23 05 29 00-0985 EA 6" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	161.99	20.95
23 05 29 00-0986 EA 8" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	205.95	26.19
23 05 29 00-0987 EA 10" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	278.09	35.09
23 05 29 00-0988 EA 12" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	359.71	52.37
<b>23 05 29 00-0989 Pipe Saddle Support (Cooper B-Line B3095)</b> <small>(23 05 29 00-0849)</small>		
23 05 29 00-0990 EA 2-1/2" Pipe Saddle Support (Cooper B-Line B3095) .....	63.15	13.09
23 05 29 00-0991 EA 3" Pipe Saddle Support (Cooper B-Line B3095) .....	66.89	15.19
23 05 29 00-0992 EA 3-1/2" Pipe Saddle Support (Cooper B-Line B3095) .....	104.65	16.24
23 05 29 00-0993 EA 4" Pipe Saddle Support (Cooper B-Line B3095) .....	107.10	17.28
23 05 29 00-0994 EA 5" Pipe Saddle Support (Cooper B-Line B3095) .....	117.94	18.85
23 05 29 00-0995 EA 6" Pipe Saddle Support (Cooper B-Line B3095) .....	130.71	20.95
23 05 29 00-0996 EA 8" Pipe Saddle Support (Cooper B-Line B3095) .....	148.63	26.19
23 05 29 00-0997 EA 10" Pipe Saddle Support (Cooper B-Line B3095) .....	170.77	35.09
23 05 29 00-0998 EA 12" Pipe Saddle Support (Cooper B-Line B3095) .....	210.77	52.37
<b>23 05 29 00-0999 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate</b> <small>(23 05 29 00-0849)</small>		
Note: Insert is for use as isolated protective insulation at hangers.		
<b>23 05 29 00-1000 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate</b> <small>(23 05 29 00-0999)</small>		
23 05 29 00-1001 EA 1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	15.56	6.98
23 05 29 00-1002 EA 3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	15.81	6.98
23 05 29 00-1003 EA 1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	15.88	6.98
23 05 29 00-1004 EA 1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	16.13	6.98
23 05 29 00-1005 EA 1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	17.25	7.40
23 05 29 00-1006 EA 2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	18.00	7.63

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 05 29 00-1007	EA	2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.88	7.95
23 05 29 00-1008	EA	3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.83	8.26
23 05 29 00-1009	EA	4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.47	8.58
23 05 29 00-1010	EA	6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.37	7.40
23 05 29 00-1011	EA	8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.07	9.66
23 05 29 00-1012	EA	10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	40.27	11.38
23 05 29 00-1013	EA	12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	45.97	13.21
23 05 29 00-1014	EA	14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	51.46	13.63

**23 05 29 00-1015 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** (23 05 29 00-0999)

23 05 29 00-1016	EA	1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.21	5.26
23 05 29 00-1017	EA	3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.48	5.26
23 05 29 00-1018	EA	1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.80	5.37
23 05 29 00-1019	EA	1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.27	5.47
23 05 29 00-1020	EA	1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.72	5.47
23 05 29 00-1021	EA	2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.50	5.69
23 05 29 00-1022	EA	2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.44	5.90
23 05 29 00-1023	EA	3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.93	6.01
23 05 29 00-1024	EA	4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.70	6.55
23 05 29 00-1025	EA	6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.70	11.27
23 05 29 00-1026	EA	8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.48	8.48
23 05 29 00-1027	EA	10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.02	9.98
23 05 29 00-1028	EA	12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.39	11.48
23 05 29 00-1029	EA	14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	43.02	13.85

**23 05 29 00-1030 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** (23 05 29 00-0999)

23 05 29 00-1031	EA	1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.07	6.01
23 05 29 00-1032	EA	3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.28	6.01
23 05 29 00-1033	EA	1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.86	6.12
23 05 29 00-1034	EA	1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.38	6.23
23 05 29 00-1035	EA	1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.93	6.34
23 05 29 00-1036	EA	2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.69	6.55
23 05 29 00-1037	EA	2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.78	6.76
23 05 29 00-1038	EA	3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.78	6.98
23 05 29 00-1039	EA	4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.00	7.40
23 05 29 00-1040	EA	6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.58	8.37
23 05 29 00-1041	EA	8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.75	14.28
23 05 29 00-1042	EA	10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	49.15	16.53
23 05 29 00-1043	EA	12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	56.82	19.53
23 05 29 00-1044	EA	14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	63.71	21.90
23 05 29 00-1045	EA	16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	71.20	24.69
23 05 29 00-1046	EA	18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	81.76	28.98
23 05 29 00-1047	EA	20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	90.79	32.21
23 05 29 00-1048	EA	24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	102.60	36.50

**23 05 29 00-1049 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** (23 05 29 00-0999)

23 05 29 00-1050	EA	1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.70	6.98
23 05 29 00-1051	EA	3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.93	6.98
23 05 29 00-1052	EA	1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.66	7.08
23 05 29 00-1053	EA	1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.20	7.19
23 05 29 00-1054	EA	1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.74	7.19
23 05 29 00-1055	EA	2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.68	7.52
23 05 29 00-1056	EA	2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.90	7.73
23 05 29 00-1057	EA	3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.05	8.05
23 05 29 00-1058	EA	4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.56	8.48
23 05 29 00-1059	EA	6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.70	9.66
23 05 29 00-1060	EA	8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	42.38	10.74
23 05 29 00-1061	EA	10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	50.35	12.34
23 05 29 00-1062	EA	12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	58.03	15.35
23 05 29 00-1063	EA	14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	65.25	16.85
23 05 29 00-1064	EA	16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	77.82	21.47
23 05 29 00-1065	EA	18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	83.35	22.55
23 05 29 00-1066	EA	20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	94.71	25.76
23 05 29 00-1067	EA	24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	111.90	31.13

**23 05 29 00-1068 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** (23 05 29 00-0999)

23 05 29 00-1069	EA	1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	46.85	7.19
23 05 29 00-1070	EA	3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	55.76	7.52
23 05 29 00-1071	EA	1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	58.00	7.52
23 05 29 00-1072	EA	1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	59.42	7.73
23 05 29 00-1073	EA	1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	61.09	7.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1074 EA 2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	62.97	8.05
23 05 29 00-1075 EA 2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	66.32	8.26
23 05 29 00-1076 EA 3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	69.24	8.80
23 05 29 00-1077 EA 4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	76.36	9.13
23 05 29 00-1078 EA 6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	87.38	11.16
23 05 29 00-1079 EA 8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	113.27	12.24
23 05 29 00-1080 EA 10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	134.79	12.89
23 05 29 00-1081 EA 12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	154.59	16.64
23 05 29 00-1082 EA 14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	174.11	17.71
23 05 29 00-1083 EA 16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	208.26	23.61
23 05 29 00-1084 EA 18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	224.20	25.76
23 05 29 00-1085 EA 20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	253.92	27.91
23 05 29 00-1086 EA 24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	298.30	34.35
<b>23 05 29 00-1087 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate</b> <small>(23 05 29 00-0999)</small>		
23 05 29 00-1088 EA 1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.70	6.98
23 05 29 00-1089 EA 3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.01	8.48
23 05 29 00-1090 EA 1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.03	8.48
23 05 29 00-1091 EA 1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.62	8.58
23 05 29 00-1092 EA 1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.36	8.69
23 05 29 00-1093 EA 2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.36	9.02
23 05 29 00-1094 EA 2-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.86	9.34
23 05 29 00-1095 EA 3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.16	9.66
23 05 29 00-1096 EA 4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.31	10.20
23 05 29 00-1097 EA 6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	39.23	11.60
23 05 29 00-1098 EA 8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	50.82	12.89
23 05 29 00-1099 EA 10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	60.42	14.81
23 05 29 00-1100 EA 12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	69.62	18.47
23 05 29 00-1101 EA 14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	78.31	20.18
23 05 29 00-1102 EA 16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	93.40	25.76
23 05 29 00-1103 EA 18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	100.02	27.05
23 05 29 00-1104 EA 20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	113.71	30.92
23 05 29 00-1105 EA 24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	134.28	37.36
<b>23 05 29 00-1106 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate</b> <small>(23 05 29 00-0999)</small>		
23 05 29 00-1107 EA 1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.90	9.45
23 05 29 00-1108 EA 3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.23	9.45
23 05 29 00-1109 EA 1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.22	9.55
23 05 29 00-1110 EA 1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.01	9.66
23 05 29 00-1111 EA 1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.59	9.66
23 05 29 00-1112 EA 2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.30	10.31
23 05 29 00-1113 EA 2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.57	10.42
23 05 29 00-1114 EA 3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.17	10.84
23 05 29 00-1115 EA 4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.57	11.48
23 05 29 00-1116 EA 6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.11	12.99
23 05 29 00-1117 EA 8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	56.37	14.06
23 05 29 00-1118 EA 10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	67.99	16.74
23 05 29 00-1119 EA 12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	78.35	20.82
23 05 29 00-1120 EA 14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	88.12	22.65
23 05 29 00-1121 EA 16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	105.12	28.98
23 05 29 00-1122 EA 18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	112.48	30.38
23 05 29 00-1123 EA 20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	126.56	34.78
23 05 29 00-1124 EA 24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	151.10	42.08
23 05 29 00-1125 EA 26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	172.78	49.49
23 05 29 00-1126 EA 28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	197.20	58.40
23 05 29 00-1127 EA 30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	223.95	69.03
23 05 29 00-1128 EA 42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	322.62	106.60
23 05 29 00-1129 EA 44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	348.18	117.34
23 05 29 00-1130 EA 46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	371.46	126.67
<b>23 05 29 00-1131 Equipment Housekeeping Pads</b> <small>(23 05 29)</small> See CSI section 03 31 13 00-0091 for Concrete Equipment Pads.		
<b>23 05 29 00-1132 Molded Plastic Condenser Pad</b> <small>(23 05 29 00-1131)</small>		
23 05 29 00-1133 EA 30" Round Molded Plastic Pad.....	128.96	13.09
23 05 29 00-1134 EA 30" Octagon Molded Plastic Pad.....	135.72	13.09
23 05 29 00-1135 EA 30" x 30" Molded Plastic Pad.....	128.96	13.09
23 05 29 00-1136 EA 36" x 36" Molded Plastic Pad.....	169.47	13.09
23 05 29 00-1137 EA 36" x 48" Molded Plastic Pad.....	245.26	13.09
<b>23 05 29 00-1138 Inertia Base</b> <small>(23 05 29 00-1131)</small> Note: Includes spring isolators.		
23 05 29 00-1139 EA Up To 12 SF Inertia Base, 8" Thick With Spring Base.....	1,644.88	
23 05 29 00-1140 EA >12 To 16 SF Inertia Base, 8" Thick With Spring Base.....	1,986.69	
23 05 29 00-1141 EA >16 To 20 SF Inertia Base, 8" Thick With Spring Base.....	2,275.54	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1142 EA >20 To 24 SF Inertia Base, 8" Thick With Spring Base.....	2,599.70	
<b>23 05 29 00-1143 Hanger Assemblies</b> <small>(23 05 29)</small>		
Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.		
23 05 29 00-1144 EA 1/2" Standard Duty Clevis Pipe Hanger Assembly.....	46.25	16.28
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	10.48	
23 05 29 00-1145 EA 3/4" Standard Duty Clevis Pipe Hanger Assembly.....	48.18	17.25
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	11.06	
23 05 29 00-1146 EA 1" Standard Duty Clevis Pipe Hanger Assembly.....	49.83	18.30
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	11.53	
23 05 29 00-1147 EA 1-1/4" Standard Duty Clevis Pipe Hanger Assembly.....	50.75	18.33
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	11.70	
23 05 29 00-1148 EA 1-1/2" Standard Duty Clevis Pipe Hanger Assembly.....	51.05	18.33
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	11.70	
23 05 29 00-1149 EA 2" Standard Duty Clevis Pipe Hanger Assembly.....	52.23	18.48
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	11.87	
23 05 29 00-1150 EA 2-1/2" Standard Duty Clevis Pipe Hanger Assembly.....	60.22	19.28
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	11.78	
23 05 29 00-1151 EA 3" Standard Duty Clevis Pipe Hanger Assembly.....	62.35	19.83
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	11.96	
23 05 29 00-1152 EA 4" Standard Duty Clevis Pipe Hanger Assembly.....	75.31	22.39
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	13.21	
23 05 29 00-1153 EA 6" Standard Duty Clevis Pipe Hanger Assembly.....	112.33	28.93
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	17.36	
23 05 29 00-1154 EA 8" Standard Duty Clevis Pipe Hanger Assembly.....	131.61	33.56
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	20.14	
23 05 29 00-1155 EA 10" Standard Duty Clevis Pipe Hanger Assembly.....	184.34	42.63
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	25.26	
23 05 29 00-1156 EA 12" Standard Duty Clevis Pipe Hanger Assembly.....	203.75	45.88
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	27.58	
<b>23 05 29 00-1157 Steel Shapes For Hanger Devices</b> <small>(23 05 29)</small>		
<b>23 05 29 00-1158 Angle Iron For Hanger Devices</b> <small>(23 05 29 00-1157)</small>		
23 05 29 00-1159 LF 1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices .....	2.64	1.52
23 05 29 00-1160 LF 3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices .....	3.49	1.90
23 05 29 00-1161 LF 1" x 1" x 1/8" Angle Iron For Hanger Devices .....	4.32	2.28
23 05 29 00-1162 LF 1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices .....	6.16	2.83
23 05 29 00-1163 LF 1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices .....	6.95	3.04
23 05 29 00-1164 LF 2" x 2" x 1/4" Angle Iron For Hanger Devices .....	9.68	3.42
23 05 29 00-1165 LF 2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices .....	12.12	4.16
23 05 29 00-1166 LF 3" x 2" x 3/8" Angle Iron For Hanger Devices .....	15.99	4.88
23 05 29 00-1167 LF 3" x 3" x 3/8" Angle Iron For Hanger Devices .....	19.17	5.70
<b>23 05 29 00-1168 Channels For Hanger Devices</b> <small>(23 05 29 00-1157)</small>		
23 05 29 00-1169 LF C2 x 1.78, 2" Wide Channels For Hanger Devices .....	7.86	3.79
23 05 29 00-1170 LF C3 x 4.1, 3" Wide Channels For Hanger Devices .....	13.85	5.44
23 05 29 00-1171 LF C4 x 5.4, 4" Wide Channels For Hanger Devices .....	17.39	6.53
23 05 29 00-1172 LF C5 x 6.7 - 5" Wide Channels For Hanger Devices .....	20.94	7.62
23 05 29 00-1173 LF C6 x 8.2 - 6" Wide Channels For Hanger Devices .....	25.39	9.14
23 05 29 00-1174 LF C7 x 9.8 - 7" Wide Channels For Hanger Devices .....	30.29	10.89
23 05 29 00-1175 LF C8 x 11.5 - 8" Wide Channels For Hanger Devices .....	34.48	11.98
<b>23 05 29 00-1176 Structural Bar Tees For Hanger Devices</b> <small>(23 05 29 00-1157)</small>		
23 05 29 00-1177 LF 3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices.....	8.28	5.32
23 05 29 00-1178 LF 1" x 1" x 1/8" Structural Bar Tee For Hanger Devices.....	9.97	6.29
23 05 29 00-1179 LF 1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices .....	14.92	7.25
23 05 29 00-1180 LF 2" x 2" x 1/4" Structural Bar Tee For Hanger Devices.....	19.24	9.67
23 05 29 00-1181 LF 2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices .....	26.91	11.62
23 05 29 00-1182 LF 3" x 3" x 3/8" Structural Bar Tee For Hanger Devices.....	33.66	15.00
<b>23 05 29 00-1183 Structural Zees For Hanger Devices</b> <small>(23 05 29 00-1157)</small>		
23 05 29 00-1184 LF 1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices.....	14.94	7.25
23 05 29 00-1185 LF 2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices .....	18.55	7.25
23 05 29 00-1186 LF 3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices .....	27.55	7.25





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 05 29 00-1187	LF		3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices.....	35.29	7.25
	23 05 29 00-1188	LF		3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices.....	43.60	7.25
<b>23 05 29 00-1189</b>	<b>Junior I-beams For Hanger Devices (23 05 29 00-1187)</b>					
	23 05 29 00-1190	LF		3" I-beam (Junior) For Hanger Devices.....	18.08	10.64
	23 05 29 00-1191	LF		4" I-beam (Junior) For Hanger Devices.....	20.99	11.62
	23 05 29 00-1192	LF		5" I-beam (Junior) For Hanger Devices.....	24.53	12.58
	23 05 29 00-1193	LF		6" I-beam (Junior) For Hanger Devices.....	26.86	14.03
	23 05 29 00-1194	LF		7" I-beam (Junior) For Hanger Devices.....	32.52	15.00
	23 05 29 00-1195	LF		8" I-beam (Junior) For Hanger Devices.....	35.28	15.97
<b>23 05 33</b>	<b>Heat Tracing for HVAC Piping (23 05)</b>					
	See CSI section 23 83 13 00-0000 for heat tracing cables.					
<b>23 05 48</b>	<b>Vibration and Seismic Controls for HVAC (23 05)</b>					
<b>23 05 48 13</b>	<b>Vibration Controls for HVAC (23 05 48)</b>					
<b>23 05 48 13-0001</b>	<b>Unhoused Stable Steel Spring Isolators (23 05 48 13)</b>					
	Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.					
	23 05 48 13-0002	EA		60 LB Unhoused Steel Spring Isolator.....	99.19	29.31
	23 05 48 13-0003	EA		115 LB Unhoused Steel Spring Isolator.....	105.75	29.31
	23 05 48 13-0004	EA		1,130 LB Unhoused Steel Spring Isolator.....	127.53	29.31
<b>23 05 48 13-0005</b>	<b>Housed Stable Steel Spring Isolators (23 05 48 13)</b>					
	Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only. Mason Industries, Inc.					
	23 05 48 13-0006	EA		To 770 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection.....	628.40	29.31
	23 05 48 13-0007	EA		To 1,040 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection.....	716.13	29.31
	23 05 48 13-0008	EA		To 1,600 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection.....	759.99	29.31
	23 05 48 13-0009	EA		To 2,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection.....	935.45	29.31
	23 05 48 13-0010	EA		To 3,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection.....	979.31	29.31
	23 05 48 13-0011	EA		To 730 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection.....	705.16	29.31
	23 05 48 13-0012	EA		To 930 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection.....	781.93	29.31
	23 05 48 13-0013	EA		To 1,440 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection.....	836.76	29.31
	23 05 48 13-0014	EA		To 1,860 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection.....	1,088.97	29.31
	23 05 48 13-0015	EA		To 2,880 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection.....	1,187.67	29.31
	23 05 48 13-0016	EA		To 3,720 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection.....	1,417.95	29.31
<b>23 05 48 13-0017</b>	<b>Vibration Isolators (23 05 48 13)</b>					
<b>23 05 48 13-0018</b>	<b>Spring And Rubber Hanger For 1" Deflection (23 05 48 13-0017)</b>					
	23 05 48 13-0019	EA		50 To 500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size.....	134.10	18.85
	23 05 48 13-0020	EA		600 To 1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size.....	284.94	20.95
<b>23 05 48 13-0021</b>	<b>Rubber-In-Shear Isolator Hanger (23 05 48 13-0017)</b>					
	23 05 48 13-0022	EA		45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size.....	73.72	15.72
	23 05 48 13-0023	EA		130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size.....	95.80	18.85
<b>23 05 48 13-0024</b>	<b>Spring Hanger For 1" Deflection (23 05 48 13-0017)</b>					
	23 05 48 13-0025	EA		50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size.....	83.47	18.85
<b>23 05 48 13-0026</b>	<b>Rubber-In-Shear Vibration Isolator (23 05 48 13-0017)</b>					
	23 05 48 13-0027	EA		45 To 340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection.....	153.52	35.62
	23 05 48 13-0028	EA		130 To 700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection.....	211.63	35.62
	23 05 48 13-0029	EA		550 To 1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection.....	411.09	35.62
<b>23 05 48 13-0030</b>	<b>Two-Piece Spring Type Vibration Isolator (23 05 48 13-0017)</b>					
	Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.					
	23 05 48 13-0031	EA		50 To 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator.....	129.02	35.62
	23 05 48 13-0032	EA		>1,000 To 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator.....	133.35	35.62
<b>23 05 48 13-0033</b>	<b>Open Double Spring Type Vibration Isolator (23 05 48 13-0017)</b>					
	Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.					
	23 05 48 13-0034	EA		150 To 450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	101.95	17.80
	23 05 48 13-0035	EA		500 To 1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	101.95	17.80
	23 05 48 13-0036	EA		1,100 To 1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	116.39	17.80
	23 05 48 13-0037	EA		1,700 To 2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	116.39	17.80
	23 05 48 13-0038	EA		2,500 To 3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	181.69	17.80
<b>23 05 48 13-0039</b>	<b>Isolation Pads (23 05 48 13-0017)</b>					

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 48 13-0040 Laminated Neoprene And Cork Isolation Pad</b> (23 05 48 13-0039)		
23 05 48 13-0041 EA 2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	6.54	2.62
23 05 48 13-0042 EA 3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	8.57	2.72
23 05 48 13-0043 EA 4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	10.93	2.83
23 05 48 13-0044 EA 12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	45.84	3.25
23 05 48 13-0045 EA 18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	88.60	3.67
<b>23 05 48 13-0046 Neoprene And Steel Plate Isolation Pad</b> (23 05 48 13-0039)		
23 05 48 13-0047 EA 6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad.....	80.36	2.62
23 05 48 13-0048 EA 6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad.....	88.66	2.62
<b>23 05 48 13-0049 Neoprene Isolation Pad</b> (23 05 48 13-0039)		
23 05 48 13-0050 EA 2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad.....	6.04	2.62
23 05 48 13-0051 EA 3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad.....	6.96	2.62
23 05 48 13-0052 EA 4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad.....	8.47	2.62
23 05 48 13-0053 EA 12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad.....	45.08	3.15
23 05 48 13-0054 EA 18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad.....	83.20	3.67
<b>23 05 48 13-0055 Threaded Flexible Bronze Hose Connectors</b> (23 05 48 13)		
Note: Includes hex threaded nipple ends.		
23 05 48 13-0056 EA 3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	71.09	16.75
23 05 48 13-0057 EA 1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	82.84	23.04
23 05 48 13-0058 EA 3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	101.75	28.28
23 05 48 13-0059 EA 1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	118.30	33.52
23 05 48 13-0060 EA 1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	135.53	43.99
23 05 48 13-0061 EA 1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	152.56	46.82
23 05 48 13-0062 EA 2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	204.67	55.51
23 05 48 13-0063 EA 2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	283.46	86.52
<b>23 05 48 13-0064 Weld End Flexible Hose Connectors</b> (23 05 48 13)		
23 05 48 13-0065 EA 1/2" Diameter x 10" Flexible Hose Connection, Weld Ends.....	255.11	60.12
23 05 48 13-0066 EA 3/4" Diameter x 10" Flexible Hose Connection, Weld Ends.....	299.09	65.99
23 05 48 13-0067 EA 1" Diameter x 10" Flexible Hose Connection, Weld Ends.....	338.59	69.86
23 05 48 13-0068 EA 1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends.....	378.18	79.61
23 05 48 13-0069 EA 1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends.....	430.17	85.89
23 05 48 13-0070 EA 2" Diameter x 14" Flexible Hose Connection, Weld Ends.....	538.98	111.76
23 05 48 13-0071 EA 2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends.....	821.18	125.70
23 05 48 13-0072 EA 3" Diameter x 16" Flexible Hose Connection, Weld Ends.....	1,018.24	141.40
23 05 48 13-0073 EA 4" Diameter x 18" Flexible Hose Connection, Weld Ends.....	1,404.57	209.49
<b>23 05 48 13-0074 Flanged Flexible Hose Connectors</b> (23 05 48 13)		
<b>23 05 48 13-0075 Flanged Flexible Molded Rubber Hose Connectors</b> (23 05 48 13-0074)		
Note: With helical wire reinforcement 150 PSI.		
23 05 48 13-0076 EA 1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	215.48	78.56
23 05 48 13-0077 EA 2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	232.93	87.25
23 05 48 13-0078 EA 2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	375.54	174.30
23 05 48 13-0079 EA 3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	518.05	259.25
23 05 48 13-0080 EA 4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	675.59	334.66
23 05 48 13-0081 EA 6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	866.92	348.04
23 05 48 13-0082 EA 8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	1,056.49	397.51
23 05 48 13-0083 EA 10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	1,372.63	473.05
23 05 48 13-0084 EA 12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	3,272.17	591.66
<b>23 05 48 13-0085 Flanged Flexible Corrugated Stainless Steel Hose Connectors</b> (23 05 48 13-0074)		
Note: With braided metal wire.		
23 05 48 13-0086 EA 1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	166.71	71.43
23 05 48 13-0087 EA 1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	158.90	98.25
23 05 48 13-0088 EA 1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	311.34	130.93
23 05 48 13-0089 EA 2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	401.30	196.39
23 05 48 13-0090 EA 2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	431.07	216.09
23 05 48 13-0091 EA 3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	499.85	261.66
23 05 48 13-0092 EA 4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	639.97	334.97
23 05 48 13-0093 EA 6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	886.15	416.81
23 05 48 13-0094 EA 8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,463.01	556.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0095 EA 10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	1,723.13	643.91
23 05 48 13-0096 EA 12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	2,231.06	696.08
<b>23 05 48 13-0097 Flanged Flexible Molded Teflon Hose Connectors (23 05 48 13-0074)</b>		
Note: 150 PSI.		
23 05 48 13-0098 EA 2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	959.97	151.88
23 05 48 13-0099 EA 3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	1,075.97	178.07
23 05 48 13-0100 EA 4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	1,627.82	299.27
23 05 48 13-0101 EA 6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	1,977.17	348.04
23 05 48 13-0102 EA 8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	2,605.48	426.93
<b>23 05 48 13-0103 Flexible Hose Connectors Braided Metal Hose Type (23 05 48 13)</b>		
<b>23 05 48 13-0104 Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 13-0103)</b>		
Note: MPT connection.		
23 05 48 13-0105 EA 1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	38.21	2.10
23 05 48 13-0106 EA 1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	45.75	2.10
23 05 48 13-0107 EA 1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	50.83	2.72
23 05 48 13-0108 EA 1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	61.93	2.72
23 05 48 13-0109 EA 3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	51.21	2.51
23 05 48 13-0110 EA 3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	61.97	2.51
23 05 48 13-0111 EA 3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	70.82	3.24
23 05 48 13-0112 EA 3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	87.57	3.24
23 05 48 13-0113 EA 1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	69.95	2.93
23 05 48 13-0114 EA 1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	76.55	2.93
23 05 48 13-0115 EA 1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	90.88	3.87
23 05 48 13-0116 EA 1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	115.38	3.87
23 05 48 13-0117 EA 1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	139.70	3.87
23 05 48 13-0118 EA 1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	164.09	3.87
23 05 48 13-0119 EA 1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	99.73	3.76
23 05 48 13-0120 EA 1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	110.01	3.76
23 05 48 13-0121 EA 1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	141.35	3.76
23 05 48 13-0122 EA 1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	196.58	5.01
23 05 48 13-0123 EA 1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	228.16	5.01
23 05 48 13-0124 EA 1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	270.18	5.01
23 05 48 13-0125 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	136.64	4.54
23 05 48 13-0126 EA 2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	158.13	4.54
23 05 48 13-0127 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	199.76	4.54
23 05 48 13-0128 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	266.42	6.08
23 05 48 13-0129 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	329.86	6.08
23 05 48 13-0130 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	393.24	6.08
23 05 48 13-0131 EA 2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	189.92	5.69
23 05 48 13-0132 EA 2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	216.39	5.40
23 05 48 13-0133 EA 2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	243.13	5.40
23 05 48 13-0134 EA 2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	299.71	7.23
23 05 48 13-0135 EA 2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	353.47	7.23
23 05 48 13-0136 EA 2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	405.56	7.23
23 05 48 13-0137 EA 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	299.73	7.23
23 05 48 13-0138 EA 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	335.45	7.23
23 05 48 13-0139 EA 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	627.38	7.23
23 05 48 13-0140 EA 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	755.89	9.64
23 05 48 13-0141 EA 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	519.78	9.64
23 05 48 13-0142 EA 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	590.05	9.64
23 05 48 13-0143 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	548.99	8.25
23 05 48 13-0144 EA 4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	590.72	8.25
23 05 48 13-0145 EA 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	632.45	8.25
23 05 48 13-0146 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	722.68	11.00
23 05 48 13-0147 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	805.82	11.00
23 05 48 13-0148 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	890.75	11.00
<b>23 05 48 13-0149 Braided Stainless Steel Flexible Hose Connectors (23 05 48 13-0103)</b>		
Note: Over braided carbon steel connection.		
23 05 48 13-0150 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	162.97	4.60
23 05 48 13-0151 EA 2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	197.11	4.60
23 05 48 13-0152 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	230.61	4.60
23 05 48 13-0153 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	301.83	6.17
23 05 48 13-0154 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	369.74	6.17
23 05 48 13-0155 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	437.56	6.17
23 05 48 13-0156 EA 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	184.70	5.40
23 05 48 13-0157 EA 2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	220.39	5.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0158 EA 2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	256.23	5.40
23 05 48 13-0159 EA 2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	331.90	7.23
23 05 48 13-0160 EA 2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	403.30	7.23
23 05 48 13-0161 EA 2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	473.71	7.23
23 05 48 13-0162 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	195.69	7.23
23 05 48 13-0163 EA 4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	236.57	7.42
23 05 48 13-0164 LF 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	278.03	7.23
23 05 48 13-0165 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	368.20	9.64
23 05 48 13-0166 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	450.67	9.64
23 05 48 13-0167 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	535.49	9.64
23 05 48 13-0168 EA 6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	394.70	14.09
23 05 48 13-0169 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	583.75	14.19
23 05 48 13-0170 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	782.93	18.70
23 05 48 13-0171 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	972.06	18.70
23 05 48 13-0172 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,161.13	18.70
23 05 48 13-0173 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	685.26	16.83
23 05 48 13-0174 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	828.29	16.83
23 05 48 13-0175 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,123.16	21.88
23 05 48 13-0176 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,406.91	21.88
23 05 48 13-0177 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,690.57	21.88
23 05 48 13-0178 EA 10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	733.36	21.03
23 05 48 13-0179 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,090.95	21.03
23 05 48 13-0180 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,461.41	27.39
23 05 48 13-0181 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,820.25	27.39
23 05 48 13-0182 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	2,177.58	27.39
23 05 48 13-0183 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,458.80	25.43
23 05 48 13-0184 EA 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,905.06	25.43
23 05 48 13-0185 EA 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	2,382.76	34.22
23 05 48 13-0186 EA 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	2,832.95	34.22
23 05 48 13-0187 EA 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	3,285.23	34.22
<b>23 05 48 13-0188 Braided Metal Hose Type Flexible Bronze Hose Connectors</b> <small>(23 05 48 13-0103)</small>		
Note: Flanged end connection (carbon steel ends).		
23 05 48 13-0189 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	279.89	4.54
23 05 48 13-0190 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	547.05	128.53
23 05 48 13-0191 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	663.84	128.53
23 05 48 13-0192 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	780.63	128.53
23 05 48 13-0193 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	897.46	128.53
23 05 48 13-0194 EA 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	510.92	163.92
23 05 48 13-0195 EA 2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	633.99	163.92
23 05 48 13-0196 EA 2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	757.10	163.92
23 05 48 13-0197 EA 2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	880.27	163.92
23 05 48 13-0198 EA 2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,001.27	163.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0199 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	721.04	274.80
23 05 48 13-0200 EA 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	864.69	275.49
23 05 48 13-0201 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,010.67	274.80
23 05 48 13-0202 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,173.90	274.80
23 05 48 13-0203 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,298.61	274.80
23 05 48 13-0204 EA 6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,103.86	352.33
23 05 48 13-0205 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,429.34	352.33
23 05 48 13-0206 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,755.00	353.59
23 05 48 13-0207 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,080.53	352.33
23 05 48 13-0208 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,406.01	352.33
23 05 48 13-0209 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,791.31	430.04
23 05 48 13-0210 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,037.54	430.04
23 05 48 13-0211 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,525.74	430.04
23 05 48 13-0212 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,014.12	430.04
23 05 48 13-0213 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,502.27	430.04
23 05 48 13-0214 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,894.87	523.53
23 05 48 13-0215 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,508.34	523.53
23 05 48 13-0216 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	4,125.93	523.53
23 05 48 13-0217 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	4,742.19	523.53
23 05 48 13-0218 EA 10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	5,240.24	523.53
23 05 48 13-0219 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,914.15	635.72
23 05 48 13-0220 EA 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	4,692.63	635.72
23 05 48 13-0221 EA 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	5,471.05	635.72
23 05 48 13-0222 EA 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	6,249.48	635.72
23 05 48 13-0223 EA 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	7,027.96	635.72

### 23 05 53 Identification for HVAC Piping and Equipment (23 05)

#### 23 05 53 00-0001 Systems Identification (23 05 53)

#### 23 05 53 00-0002 Pipe Marker Snap-On Type Plastic (23 05 53 00-0001)

Note: Outside diameters of insulation where necessary.

23 05 53 00-0003 EA 1/2" Outside Diameter Snap-On Plastic Marker.....	18.00
23 05 53 00-0004 EA 3/4" Outside Diameter Snap-On Plastic Marker.....	18.26
23 05 53 00-0005 EA 1" Outside Diameter Snap-On Plastic Marker.....	18.40
23 05 53 00-0006 EA 1-1/4" Outside Diameter Snap-On Plastic Marker.....	18.68
23 05 53 00-0007 EA 1-1/2" Outside Diameter Snap-On Plastic Marker.....	21.69
23 05 53 00-0008 EA 2" Outside Diameter Snap-On Plastic Marker.....	22.16
23 05 53 00-0009 EA 2-1/2" Outside Diameter Snap-On Plastic Marker.....	35.15
23 05 53 00-0010 EA 3" Outside Diameter Snap-On Plastic Marker.....	35.53
23 05 53 00-0011 EA 3-1/2" Outside Diameter Snap-On Plastic Marker.....	35.93
23 05 53 00-0012 EA 4" Outside Diameter Snap-On Plastic Marker.....	36.14
23 05 53 00-0013 EA 4-1/2" Outside Diameter Snap-On Plastic Marker.....	36.37
23 05 53 00-0014 EA 5" Outside Diameter Snap-On Plastic Marker.....	36.59
23 05 53 00-0015 EA 6" Outside Diameter Snap-On Plastic Marker.....	38.34
23 05 53 00-0016 EA 7" Outside Diameter Snap-On Plastic Marker.....	38.59
23 05 53 00-0017 EA 8" Outside Diameter Snap-On Plastic Marker.....	47.51
23 05 53 00-0018 EA 10" Outside Diameter Snap-On Plastic Marker.....	49.14
23 05 53 00-0019 EA 12" Outside Diameter Snap-On Plastic Marker.....	56.61
23 05 53 00-0020 EA 14" Outside Diameter Snap-On Plastic Marker.....	64.91

#### 23 05 53 00-0021 Pipe Markers Pressure-Sensitive (23 05 53 00-0001)

Note: Outside diameter includes insulation where necessary.

23 05 53 00-0022 EA 1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	12.03
23 05 53 00-0023 EA 3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	12.55
23 05 53 00-0024 EA 1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	13.60

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 53 Identification for HVAC Piping and Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 05 53 00-0025	EA	1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	13.81	
23 05 53 00-0026	EA	1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	14.74	
23 05 53 00-0027	EA	2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	15.06	
23 05 53 00-0028	EA	2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	16.98	
23 05 53 00-0029	EA	3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	17.39	
23 05 53 00-0030	EA	3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	17.70	
23 05 53 00-0031	EA	4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	18.03	
23 05 53 00-0032	EA	4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	18.68	
23 05 53 00-0033	EA	5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	19.39	
23 05 53 00-0034	EA	6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	20.00	
23 05 53 00-0035	EA	7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	20.61	
23 05 53 00-0036	EA	8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	22.74	
23 05 53 00-0037	EA	10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	23.89	
23 05 53 00-0038	EA	12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	27.90	

**23 05 53 00-0039 Valve Identification Tag** (23 05 53 00-0001)

Note: Includes beaded chain and/or "S" hook.

23 05 53 00-0040	EA	2" Diameter Identification Tag, Brass.....	11.12	
23 05 53 00-0041	EA	1-1/2" Diameter Identification Tag, Plastic.....	10.39	
23 05 53 00-0042	EA	1-1/2" Diameter Identification Tag, Brass.....	10.17	

**23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment** (23 05)**23 05 66 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures** (23 05 66)

23 05 66 00-0002	EA	18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO).....	927.11	64.06
Note: Includes tube.				
23 05 66 00-0003	EA	24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO).....	967.68	67.23
Note: Includes tube.				
23 05 66 00-0004	EA	30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO).....	969.29	70.11
Note: Includes tube.				
23 05 66 00-0005	EA	36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO).....	1,014.60	73.67
Note: Includes tube.				
23 05 66 00-0006	EA	42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO).....	1,098.99	76.83
Note: Includes tube.				
23 05 66 00-0007	EA	62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO).....	1,057.75	79.23
Note: Includes tube.				

**23 05 66 00-0008 Single Ended Ultraviolet HVAC Microbial Control Fixtures** (23 05 66)

23 05 66 00-0009	EA	12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO) .....	786.47	44.37
Note: Includes tube.				
23 05 66 00-0010	EA	16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO) .....	796.52	48.02
Note: Includes tube.				
23 05 66 00-0011	EA	20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO) .....	817.07	50.90
Note: Includes tube.				
23 05 66 00-0012	EA	24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO) .....	826.38	54.74
Note: Includes tube.				
23 05 66 00-0013	EA	30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO) .....	847.68	57.62
Note: Includes tube.				
23 05 66 00-0014	EA	36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO) .....	862.97	60.51
Note: Includes tube.				
23 05 66 00-0015	EA	42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO) .....	883.53	64.35
Note: Includes tube.				
23 05 66 00-0016	EA	12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) .....	897.55	44.37
Note: Includes tube.				
23 05 66 00-0017	EA	16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) .....	907.60	48.02
Note: Includes tube.				
23 05 66 00-0018	EA	20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) .....	928.15	50.90
Note: Includes tube.				
23 05 66 00-0019	EA	24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) .....	937.46	54.74
Note: Includes tube.				
23 05 66 00-0020	EA	30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) .....	958.76	57.62
Note: Includes tube.				
23 05 66 00-0021	EA	36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) .....	974.05	60.51
Note: Includes tube.				
23 05 66 00-0022	EA	42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) .....	994.61	64.35
Note: Includes tube.				
23 05 66 00-0023	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) .....	622.64	48.02
Note: Includes tube.				
23 05 66 00-0024	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) .....	643.19	50.90
Note: Includes tube.				
23 05 66 00-0025	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) .....	652.50	54.74
Note: Includes tube.				
23 05 66 00-0026	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) .....	673.80	57.62
Note: Includes tube.				
23 05 66 00-0027	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) .....	689.09	60.51
Note: Includes tube.				
23 05 66 00-0028	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) .....	709.65	64.35
Note: Includes tube.				



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0029			<b>Fan Coil Unit Ultraviolet Microbial Control Fixtures</b> <sup>(23 05 66)</sup>		
23 05 66 00-0030	EA		16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	562.92	61.46
23 05 66 00-0031	EA		20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	574.62	64.35
23 05 66 00-0032	EA		24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	586.32	67.23
23 05 66 00-0033	EA		30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	602.49	70.11
23 05 66 00-0034	EA		36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	623.78	73.67
23 05 66 00-0035	EA		42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	642.38	76.83
23 05 66 00-0036			<b>Ultraviolet HVAC Microbial Control Replacement Parts</b> <sup>(23 05 66)</sup>		
23 05 66 00-0037	EA		18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO).....	148.83	
23 05 66 00-0038	EA		24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO).....	156.56	
23 05 66 00-0039	EA		30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO).....	178.60	
23 05 66 00-0040	EA		36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO).....	207.04	
23 05 66 00-0041	EA		42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO).....	236.10	
23 05 66 00-0042	EA		62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO).....	244.92	
23 05 66 00-0043	EA		12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO).....	115.63	
23 05 66 00-0044	EA		16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO).....	121.84	
23 05 66 00-0045	EA		20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO).....	138.55	
23 05 66 00-0046	EA		24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO).....	144.01	
23 05 66 00-0047	EA		30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO).....	161.47	
23 05 66 00-0048	EA		36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO).....	172.93	
23 05 66 00-0049	EA		42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO).....	189.65	
23 05 66 00-0050	EA		Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire).....	441.52	
23 05 66 00-0051			<b>Ultraviolet HVAC Microbial Control Mounting Accessories</b> <sup>(23 05 66)</sup>		
23 05 66 00-0052	EA		Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610)..... Note: Includes 61" emitter, power supply, wires and connectors.	640.15	
23 05 66 00-0053	EA		Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620)..... Note: Includes 61" emitter, power supply, wires and connectors.	829.88	
23 05 66 00-0054	EA		Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1)..... Note: Includes power supply, wires and connectors. Excludes emitter.	361.71	
23 05 66 00-0055	EA		Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2)..... Note: Includes power supply, wires and connectors. Excludes emitter.	384.94	
23 05 66 00-0056	EA		Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3)..... Note: Includes power supply, wires and connectors. Excludes emitter.	518.48	
23 05 66 00-0057	EA		Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4)..... Note: Includes power supply, wires and connectors. Excludes emitter.	314.51	
23 05 66 00-0058	EA		Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5)..... Note: Includes power supply, wires and connectors. Excludes emitter.	343.08	
23 05 66 00-0059	EA		16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6)..... Note: Includes power supply, wires and connectors. Excludes emitter.	440.72	
23 05 66 00-0060	EA		12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7)..... Note: Includes power supply, wires and connectors. Excludes emitter.	434.13	
23 05 66 00-0061	LF		30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101).....	16.21	
23 05 66 00-0062	EA		Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111).....	53.74	
23 05 66 00-0063	EA		Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112).....	17.56	
23 05 66 00-0064	EA		Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113).....	16.41	
23 05 66 00-0065	EA		Foundation Bracket FB 8VA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104).....	49.03	
23 05 66 00-0066	EA		Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114).....	62.46	
23 05 66 00-0067	EA		Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108).....	55.13	
23 05 66 00-0068	EA		Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115).....	44.15	
23 05 66 00-0069	EA		ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109).....	41.53	
23 05 66 00-0070	EA		DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223).....	21.02	
23 05 66 00-0071	EA		DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603).....	47.08	
23 05 66 00-0072	EA		Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100).....	21.12	
23 05 66 00-0073	EA		480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503).....	89.63	
23 05 66 00-0074	EA		Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120).....	94.55	
23 05 93			<b>Testing, Adjusting, and Balancing for HVAC</b> <sup>(23 05)</sup>		
Note: Includes all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.					
23 05 93 00-0001			<b>Heating And Ventilating Equipment</b> <sup>(23 05 93)</sup>		
23 05 93 00-0002	EA		Balancing Centrifugal Fans..... <i>For Testing Of Unit Without Balancing, Deduct</i>	452.14 -226.07	
23 05 93 00-0003	EA		Balancing Heating And Ventilating Units..... <i>For Testing Of Unit Without Balancing, Deduct</i>	564.95 -282.48	
23 05 93 00-0004	EA		Balancing In Line Fan..... <i>For Testing Of Unit Without Balancing, Deduct</i>	508.66 -254.33	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 93 Testing, Adjusting, and Balancing for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0005 EA Balancing Propeller And Wall Fan .....	113.03	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-56.52	
23 05 93 00-0006 EA Balancing Roof Exhaust Fan .....	339.08	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-169.54	
23 05 93 00-0007 EA Balancing Wall Fan .....	84.76	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-42.38	
23 05 93 00-0008 EA Balancing Fan Section Exhaust .....	451.42	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-225.71	
<b>23 05 93 00-0009 Air Conditioning Equipment (23 05 93)</b>		
23 05 93 00-0010 EA Balancing Constant Volume Air Handling Unit .....	771.84	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-385.92	
23 05 93 00-0011 EA Balancing Package A/C Unit .....	289.44	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-144.72	
23 05 93 00-0012 EA Balancing Rooftop Heat And Cool Unit .....	385.92	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-192.96	
23 05 93 00-0013 EA Balancing Variable Volume Air Handling Unit .....	1,350.71	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-675.36	
<b>23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers (23 05 93)</b>		
23 05 93 00-0015 EA Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser .....	84.77	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-42.39	
23 05 93 00-0016 EA Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser .....	141.29	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-70.65	
23 05 93 00-0017 EA Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser .....	73.47	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-36.74	
23 05 93 00-0018 EA Balance Variable Air Volume Box .....	79.60	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-39.80	
23 05 93 00-0019 EA Balance Constant Volume Box .....	79.60	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-39.80	
23 05 93 00-0020 EA Balance Fan Powered Box .....	90.42	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-45.21	
23 05 93 00-0021 EA Balance Lab Fume Hood .....	367.38	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-183.69	
23 05 93 00-0022 EA Balance General Hood .....	282.59	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-141.30	
23 05 93 00-0023 EA Balance Induction Unit .....	169.56	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-84.78	
23 05 93 00-0024 EA Balance Moduline - Master .....	67.80	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-33.90	
23 05 93 00-0025 EA Balance Moduline - Slave .....	33.91	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-16.96	
23 05 93 00-0026 EA Balance Dampers .....	31.49	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-15.75	
23 05 93 00-0027 EA Balance Regenerators .....	451.42	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-225.71	
<b>23 05 93 00-0028 Water Balancing Of Components (23 05 93)</b>		
23 05 93 00-0029 EA Water Balance, Air Cool Condenser .....	530.69	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-265.35	
23 05 93 00-0030 EA Water Balance, Cabinet Heater .....	67.54	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-33.77	
23 05 93 00-0031 EA Water Balance, Chiller, Air Cooled .....	578.83	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-289.42	
23 05 93 00-0032 EA Water Balance, Chiller, Water Cooled .....	771.84	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-385.92	
23 05 93 00-0033 EA Water Balance, Cooling Tower .....	385.92	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-192.96	
23 05 93 00-0034 EA Water Balance, Fan Coil And Vent .....	96.54	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-48.27	
23 05 93 00-0035 EA Water Balance, Fin Tube And Radiant Panel .....	96.48	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-48.24	
23 05 93 00-0036 EA Water Balance, Main And Duct Re-Heat Coil .....	106.13	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-53.07	
23 05 93 00-0037 EA Water Balance, Pumps .....	289.45	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-144.73	
23 05 93 00-0038 EA Water Balance, Unit Heater .....	67.54	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-33.77	
23 05 93 00-0039 EA Water Balancing, Converter .....	289.56	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-144.78	
23 05 93 00-0040 EA Water Balancing, Cocks And Valves .....	48.23	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-24.12	
23 05 93 00-0041 EA Water Balance, Convactor .....	57.88	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-28.94	
23 05 93 00-0042 EA Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves .....	72.36	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-36.18	
23 05 93 00-0043 EA Water Balance, Boiler, Up To 500 MBH .....	627.12	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-313.56	
23 05 93 00-0044 EA >500 To 1,000 MBH, Water Balance, Boiler .....	1,157.76	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-578.88	





	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 05 93 00-0045	EA >1,000 MBH, Water Balance, Boiler ..... <i>For Testing Of Unit Without Balancing, Deduct</i>	2,122.56	-1,061.28
<b>23 05 93 00-0046</b>	<b>Non Destructive Testing (23 05 93)</b>			
	23 05 93 00-0047	X-Ray Welds, Non-Destructive Testing (23 05 93 00-0046)		
<b>23 05 93 00-0048</b>	<b>Minimum Charge For X-Ray Welds (23 05 93 00-0047)</b>			
	23 05 93 00-0049	EA X-Ray Welds Minimum Set-Up Charge ..... Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	878.05	
<b>23 05 93 00-0050</b>	<b>Piping, X-Ray Welds, Non Destructive Testing (23 05 93 00-0047)</b>			
	23 05 93 00-0051	EA Up To 3/4" Piping, X-Ray Welds, Non Destructive Testing.....	81.72	
	23 05 93 00-0052	EA 1" Piping, X-Ray Welds, Non Destructive Testing .....	92.89	
	23 05 93 00-0053	EA 1-1/4" - 1-1/2" Piping, X-Ray Welds, Non Destructive Testing.....	104.06	
	23 05 93 00-0054	EA 2" Piping, X-Ray Welds, Non Destructive Testing .....	110.01	
	23 05 93 00-0055	EA 3" Piping, X-Ray Welds, Non Destructive Testing .....	115.95	
	23 05 93 00-0056	EA 4" Piping, X-Ray Welds, Non Destructive Testing .....	122.58	
	23 05 93 00-0057	EA 6" Piping, X-Ray Welds, Non Destructive Testing .....	134.45	
	23 05 93 00-0058	EA 8" Piping, X-Ray Welds, Non Destructive Testing .....	146.33	
	23 05 93 00-0059	EA 10" Piping, X-Ray Welds, Non Destructive Testing .....	152.97	
	23 05 93 00-0060	EA 12" Piping, X-Ray Welds, Non Destructive Testing .....	159.61	
<b>23 05 93 00-0061</b>	<b>Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0046)</b>			
<b>23 05 93 00-0062</b>	<b>Piping, Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0061)</b>			
	23 05 93 00-0063	EA Up To 3/4" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	110.51	
	23 05 93 00-0064	EA 1" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	115.75	
	23 05 93 00-0065	EA 1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non Destructive Testing .....	120.98	
	23 05 93 00-0066	EA 2" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	123.60	
	23 05 93 00-0067	EA 3" Piping, Liquid Penetration Of Welds, Non Destructive Testing .....	127.54	
	23 05 93 00-0068	EA 4" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	131.46	
	23 05 93 00-0069	EA 6" Piping, Liquid Penetration Of Welds, Non Destructive Testing .....	139.32	
	23 05 93 00-0070	EA 8" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	147.17	
	23 05 93 00-0071	EA 10" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	155.03	
	23 05 93 00-0072	EA 12" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	162.89	
<b>23 05 93 00-0073</b>	<b>Hydrostatic Testing (23 05 93 00-0046)</b>			
		Note: Includes flushing and restoring of system.		
<b>23 05 93 00-0074</b>	<b>Piping, Hydrostatic Testing (23 05 93 00-0073)</b>			
	23 05 93 00-0075	EA Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing.....	689.11	
	23 05 93 00-0076	EA >100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing .....	984.43	
	23 05 93 00-0077	EA >250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing .....	1,179.54	
	23 05 93 00-0078	EA >500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing .....	1,571.17	
	23 05 93 00-0079	EA >1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	2,380.54	
	23 05 93 00-0080	EA Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing.....	916.24	
	23 05 93 00-0081	EA >100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,309.30	
	23 05 93 00-0082	EA >250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,558.69	
	23 05 93 00-0083	EA >500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing .....	2,042.49	
	23 05 93 00-0084	EA >1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	3,089.94	
	23 05 93 00-0085	EA Up To 100', >4" To 10" Piping, Hydrostatic Testing .....	1,194.08	
	23 05 93 00-0086	EA >100' To 250', >4" To 10" Piping, Hydrostatic Testing.....	1,702.09	
	23 05 93 00-0087	EA >250' To 500', >4" To 10" Piping, Hydrostatic Testing.....	1,795.86	
	23 05 93 00-0088	EA >500' To 1,000', >4" To 10" Piping, Hydrostatic Testing .....	2,352.72	
	23 05 93 00-0089	EA >1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing.....	3,559.23	
	23 05 93 00-0090	EA Up To 100', >10" To 14" Piping, Hydrostatic Testing .....	1,550.22	
	23 05 93 00-0091	EA >100' To 250', >10" To 14" Piping, Hydrostatic Testing.....	2,210.09	
	23 05 93 00-0092	EA >250' To 500', >10" To 14" Piping, Hydrostatic Testing.....	2,335.08	
	23 05 93 00-0093	EA >500' To 1,000', >10" To 14" Piping, Hydrostatic Testing.....	3,062.71	
	23 05 93 00-0094	EA >1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing.....	4,640.48	
<b>23 05 93 00-0095</b>	<b>Pneumatic Testing (23 05 93 00-0046)</b>			
		Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.		
<b>23 05 93 00-0096</b>	<b>Piping, Pneumatic Testing (23 05 93 00-0095)</b>			
	23 05 93 00-0097	EA Up To 100', Up To 1-1/2" Piping, Pneumatic Testing..... Note: Includes soaping joints.	784.21	
	23 05 93 00-0098	EA >100' To 250', Up To 1-1/2" Piping, Pneumatic Testing .....	1,118.75	
		Note: Includes soaping joints.		
	23 05 93 00-0099	EA >250' To 500', Up To 1-1/2" Piping, Pneumatic Testing .....	1,209.18	
		Note: Includes soaping joints.		
	23 05 93 00-0100	EA >500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing.....	1,549.57	
		Note: Includes soaping joints.		
	23 05 93 00-0101	EA >1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing..... Note: Includes soaping joints.	2,424.76	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 93 Testing, Adjusting, and Balancing for HVAC**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0102 EA Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,023.25	
23 05 93 00-0103 EA >100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,452.69	
23 05 93 00-0104 EA >250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,571.78	
23 05 93 00-0105 EA >500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing..... Note: Includes soaping joints.	2,014.74	
23 05 93 00-0106 EA >1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing..... Note: Includes soaping joints.	3,151.50	
23 05 93 00-0107 EA Up To 100', >4" To 10" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,232.49	
23 05 93 00-0108 EA >100' To 250', >4" To 10" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,739.01	
23 05 93 00-0109 EA >250' To 500', >4" To 10" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,967.67	
23 05 93 00-0110 EA >500' To 1,000', >4" To 10" Piping, Pneumatic Testing..... Note: Includes soaping joints.	2,515.37	
23 05 93 00-0111 EA >1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing..... Note: Includes soaping joints.	3,940.26	
23 05 93 00-0112 EA Up To 100', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,604.89	
23 05 93 00-0113 EA >100' To 250', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	2,260.95	
23 05 93 00-0114 EA >250' To 500', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	2,558.92	
23 05 93 00-0115 EA >500' To 1,000', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	3,270.95	
23 05 93 00-0116 EA >1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	5,131.21	
<b>23 05 93 00-0117 EPA Testing Of Sludge (23 05 93)</b>		
23 05 93 00-0118 EA Flashpoint And Lead Test For Lead.....	968.33	
23 05 93 00-0119 EA Air Test/Combustion Gas Level.....	91.23	
23 05 93 00-0120 EA Toxicity Test For Heavy Metals.....	1,487.51	
23 05 93 00-0121 EA Aboveground Tank Water Settlement Test Including Water.....	1,127.35	

**23 07 HVAC Insulation (23)**

**23 07 13 Duct Insulation (23 07)**

Note: Based on SF surface area of duct to receive insulation.

**23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation (23 07 13)**

Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight.

**23 07 13 00-0002 Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)**

23 07 13 00-0003 SF 1" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	3.66	2.15
For Plain Blanket, With No Facing, Deduct	-0.32	
For Work In Restricted Working Space, Add	0.86	
23 07 13 00-0004 SF 1-1/2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.26	2.15
For Plain Blanket, With No Facing, Deduct	-0.36	
For Work In Restricted Working Space, Add	1.01	
23 07 13 00-0005 SF 2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.83	3.22
For Plain Blanket, With No Facing, Deduct	-0.40	
For Work In Restricted Working Space, Add	1.15	
23 07 13 00-0006 SF 3" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	5.71	3.76
For Plain Blanket, With No Facing, Deduct	-0.49	
For Work In Restricted Working Space, Add	1.34	
23 07 13 00-0007 SF 4" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	6.79	4.08
For Plain Blanket, With No Facing, Deduct	-0.78	
For Work In Restricted Working Space, Add	1.45	

**23 07 13 00-0008 Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)**

23 07 13 00-0009 SF 1" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.49	3.22
For Plain Blanket, With No Facing, Deduct	-0.36	
For Work In Restricted Working Space, Add	1.07	
23 07 13 00-0010 SF 1-1/2" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	5.24	3.76
For Plain Blanket, With No Facing, Deduct	-0.44	
For Work In Restricted Working Space, Add	1.24	
23 07 13 00-0011 SF 2" Thick, Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation.....	6.19	4.29
For Plain Blanket, With No Facing, Deduct	-0.52	
For Work In Restricted Working Space, Add	1.46	

**23 07 13 00-0012 Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)**

23 07 13 00-0013 SF 1" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	5.86	4.29
For Plain Blanket, With No Facing, Deduct	-0.62	
For Work In Restricted Working Space, Add	1.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0014 SF 1-1/2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation..... <i>For Plain Blanket, With No Facing, Deduct</i>	7.62 -1.08	4.84
	1.48	
23 07 13 00-0015 SF 2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation..... <i>For Plain Blanket, With No Facing, Deduct</i>	8.90 -1.27	5.37
	1.72	
<b>23 07 13 00-0016 3 LB/CF FSK Rigid Fiber Glass Board Insulation</b> <small>(23 07 13)</small> Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.		
23 07 13 00-0017 SF 1" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation..... <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i>	10.08 23.26	5.54
	17.23	
	14.20	
	2.86	
23 07 13 00-0018 SF 1-1/2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation..... <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i>	12.89 28.74	6.74
	21.59	
	17.72	
	3.48	
23 07 13 00-0019 SF 2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation..... <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i>	16.03 35.02	8.14
	26.53	
	21.72	
	4.20	
<b>23 07 13 00-0020 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation</b> <small>(23 07 13)</small> Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021 SF 1" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.31 3.15	6.10
23 07 13 00-0022 SF 1-1/2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.59 3.83	7.42
23 07 13 00-0023 SF 2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation..... <i>For Work In Restricted Working Space, Add</i>	18.60 4.62	8.96
<b>23 07 13 00-0024 Sheet Flexible Elastomeric Insulation</b> <small>(23 07 13)</small>		
23 07 13 00-0025 SF 3/8" Thick, Sheet Flexible Elastomeric Insulation.....	8.66	2.90
23 07 13 00-0026 SF 1/2" Thick, Sheet Flexible Elastomeric Insulation.....	9.25	3.06
23 07 13 00-0027 SF 3/4" Thick, Sheet Flexible Elastomeric Insulation.....	12.14	3.22
23 07 13 00-0028 SF 1" Thick, Sheet Flexible Elastomeric Insulation.....	14.00	3.38
23 07 13 00-0029 SF 1-1/2" Thick, Sheet Flexible Elastomeric Insulation.....	19.38	3.71
23 07 13 00-0030 SF 2" Thick, Sheet Flexible Elastomeric Insulation.....	22.92	4.03
<b>23 07 13 00-0031 Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation</b> <small>(23 07 13)</small> Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032 SF 1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	12.82	3.06
23 07 13 00-0033 SF 3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	14.10	3.22
23 07 13 00-0034 SF 1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	15.71	3.38
23 07 13 00-0035 SF 1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	24.52	3.71
23 07 13 00-0036 SF 2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	29.05	4.03
<b>23 07 13 00-0037 Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation</b> <small>(23 07 13)</small> Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038 SF 1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	15.36	3.06
23 07 13 00-0039 SF 3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	16.64	3.22
23 07 13 00-0040 SF 1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	18.70	3.38
23 07 13 00-0041 SF 1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	27.47	3.71
<b>23 07 16 HVAC Equipment Insulation</b> <small>(23 07)</small>		
<b>23 07 16 00-0001 Calcium Silicate Block Insulation</b> <small>(23 07 16)</small>		
23 07 16 00-0002 SF 1" Thick, Calcium Silicate Block Insulation..... <i>For Work In Restricted Working Space, Add</i>	16.24 4.00	6.66
23 07 16 00-0003 SF 1-1/2" Thick, Calcium Silicate Block Insulation..... <i>For Work In Restricted Working Space, Add</i>	19.38 4.50	7.50
23 07 16 00-0004 SF 2" Thick, Calcium Silicate Block Insulation..... <i>For Work In Restricted Working Space, Add</i>	23.20 5.21	8.64
23 07 16 00-0005 SF 2-1/2" Thick, Calcium Silicate Block Insulation..... <i>For Work In Restricted Working Space, Add</i>	27.62 6.09	10.15
23 07 16 00-0006 SF 3" Thick, Calcium Silicate Block Insulation..... <i>For Work In Restricted Working Space, Add</i>	33.75 7.49	12.50
<b>23 07 19 HVAC Piping Insulation</b> <small>(23 07)</small>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

See CSI section 22 07 19 00-0000 for pipe insulation.

<b>23 07 19 00-0001</b>	<b>Calcium Silicate Pipe Insulation</b> <small>(23 07 19)</small>		
	Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0510 for protective jacketing.		
<b>23 07 19 00-0002</b>	<b>1" Thick, Calcium Silicate Pipe Insulation</b> <small>(23 07 19 00-0001)</small>		
23 07 19 00-0003	LF 1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	14.64	3.53
	<i>For Work In Restricted Working Space, Add</i>	2.65	
23 07 19 00-0004	LF 3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	14.64	3.53
	<i>For Work In Restricted Working Space, Add</i>	2.65	
23 07 19 00-0005	LF 1" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	14.52	3.58
	<i>For Work In Restricted Working Space, Add</i>	2.69	
23 07 19 00-0006	LF 1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	14.75	3.63
	<i>For Work In Restricted Working Space, Add</i>	2.72	
23 07 19 00-0007	LF 1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	14.92	3.68
	<i>For Work In Restricted Working Space, Add</i>	2.76	
23 07 19 00-0008	LF 2" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	16.06	3.78
	<i>For Work In Restricted Working Space, Add</i>	2.84	
23 07 19 00-0009	LF 2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	16.81	3.94
	<i>For Work In Restricted Working Space, Add</i>	2.95	
23 07 19 00-0010	LF 3" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	17.59	4.04
	<i>For Work In Restricted Working Space, Add</i>	3.03	
23 07 19 00-0011	LF 4" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	20.23	4.34
	<i>For Work In Restricted Working Space, Add</i>	3.26	
23 07 19 00-0012	LF 6" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	22.50	4.91
	<i>For Work In Restricted Working Space, Add</i>	3.68	
<b>23 07 19 00-0013</b>	<b>1-1/2" Thick, Calcium Silicate Pipe Insulation</b> <small>(23 07 19 00-0001)</small>		
23 07 19 00-0014	LF 1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	15.34	3.68
	<i>For Work In Restricted Working Space, Add</i>	2.76	
23 07 19 00-0015	LF 3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	15.44	3.68
	<i>For Work In Restricted Working Space, Add</i>	2.76	
23 07 19 00-0016	LF 1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	16.55	3.90
	<i>For Work In Restricted Working Space, Add</i>	2.92	
23 07 19 00-0017	LF 1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	17.27	3.97
	<i>For Work In Restricted Working Space, Add</i>	2.98	
23 07 19 00-0018	LF 1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	18.00	4.04
	<i>For Work In Restricted Working Space, Add</i>	3.03	
23 07 19 00-0019	LF 2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	19.36	4.26
	<i>For Work In Restricted Working Space, Add</i>	3.20	
23 07 19 00-0020	LF 2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	20.34	4.33
	<i>For Work In Restricted Working Space, Add</i>	3.25	
23 07 19 00-0021	LF 3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	21.12	4.48
	<i>For Work In Restricted Working Space, Add</i>	3.36	
23 07 19 00-0022	LF 4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	23.62	4.85
	<i>For Work In Restricted Working Space, Add</i>	3.64	
23 07 19 00-0023	LF 6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	27.36	5.66
	<i>For Work In Restricted Working Space, Add</i>	4.24	
23 07 19 00-0024	LF 8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	32.45	5.97
	<i>For Work In Restricted Working Space, Add</i>	4.48	
23 07 19 00-0025	LF 10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	41.06	7.15
	<i>For Work In Restricted Working Space, Add</i>	5.36	
23 07 19 00-0026	LF 12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	48.32	8.32
	<i>For Work In Restricted Working Space, Add</i>	6.24	
23 07 19 00-0027	LF 14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	53.90	9.13
	<i>For Work In Restricted Working Space, Add</i>	6.84	
23 07 19 00-0028	LF 16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	63.84	11.62
	<i>For Work In Restricted Working Space, Add</i>	8.71	
23 07 19 00-0029	LF 18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	68.96	12.19
	<i>For Work In Restricted Working Space, Add</i>	9.14	
<b>23 07 19 00-0030</b>	<b>2" Thick, Calcium Silicate Pipe Insulation</b> <small>(23 07 19 00-0001)</small>		
23 07 19 00-0031	LF 1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	19.81	4.04
	<i>For Work In Restricted Working Space, Add</i>	3.03	
23 07 19 00-0032	LF 3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	20.34	4.04
	<i>For Work In Restricted Working Space, Add</i>	3.03	
23 07 19 00-0033	LF 1" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	21.03	4.09
	<i>For Work In Restricted Working Space, Add</i>	3.07	
23 07 19 00-0034	LF 1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	21.93	4.14
	<i>For Work In Restricted Working Space, Add</i>	3.11	
23 07 19 00-0035	LF 1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	22.55	4.19
	<i>For Work In Restricted Working Space, Add</i>	3.14	
23 07 19 00-0036	LF 2" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	23.53	4.34
	<i>For Work In Restricted Working Space, Add</i>	3.26	
23 07 19 00-0037	LF 2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	26.48	4.50
	<i>For Work In Restricted Working Space, Add</i>	3.37	
23 07 19 00-0038	LF 3" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	26.92	4.65
	<i>For Work In Restricted Working Space, Add</i>	3.49	
23 07 19 00-0039	LF 4" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	29.96	4.91
	<i>For Work In Restricted Working Space, Add</i>	3.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0040 LF 6" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	36.79	5.88
<i>For Work In Restricted Working Space, Add</i>	4.42	
23 07 19 00-0041 LF 8" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	41.82	6.22
<i>For Work In Restricted Working Space, Add</i>	4.66	
23 07 19 00-0042 LF 10" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	51.61	7.43
<i>For Work In Restricted Working Space, Add</i>	5.58	
23 07 19 00-0043 LF 12" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	58.95	8.91
<i>For Work In Restricted Working Space, Add</i>	6.68	
23 07 19 00-0044 LF 14" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	71.40	12.43
<i>For Work In Restricted Working Space, Add</i>	9.32	
23 07 19 00-0045 LF 16" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	75.53	12.43
<i>For Work In Restricted Working Space, Add</i>	9.32	
23 07 19 00-0046 LF 18" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	81.12	13.05
<i>For Work In Restricted Working Space, Add</i>	9.78	
23 07 19 00-0047 LF 20" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	97.02	14.91
<i>For Work In Restricted Working Space, Add</i>	11.19	
23 07 19 00-0048 LF 24" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	112.64	18.01
<i>For Work In Restricted Working Space, Add</i>	13.51	
<b>23 07 19 00-0049 2-1/2" Thick, Calcium Silicate Pipe Insulation</b> <small>(23 07 19 00-0001)</small>		
23 07 19 00-0050 LF 1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	23.87	4.65
<i>For Work In Restricted Working Space, Add</i>	3.50	
23 07 19 00-0051 LF 3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	24.42	4.65
<i>For Work In Restricted Working Space, Add</i>	3.50	
23 07 19 00-0052 LF 1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	24.85	4.73
<i>For Work In Restricted Working Space, Add</i>	3.55	
23 07 19 00-0053 LF 1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	25.09	4.77
<i>For Work In Restricted Working Space, Add</i>	3.58	
23 07 19 00-0054 LF 1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	25.78	4.81
<i>For Work In Restricted Working Space, Add</i>	3.60	
23 07 19 00-0055 LF 2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	26.87	5.01
<i>For Work In Restricted Working Space, Add</i>	3.75	
23 07 19 00-0056 LF 2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	30.46	5.18
<i>For Work In Restricted Working Space, Add</i>	3.88	
23 07 19 00-0057 LF 3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	30.91	5.36
<i>For Work In Restricted Working Space, Add</i>	4.02	
23 07 19 00-0058 LF 4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	35.99	5.65
<i>For Work In Restricted Working Space, Add</i>	4.24	
23 07 19 00-0059 LF 6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	45.14	6.42
<i>For Work In Restricted Working Space, Add</i>	4.82	
23 07 19 00-0060 LF 8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	51.60	7.15
<i>For Work In Restricted Working Space, Add</i>	5.37	
23 07 19 00-0061 LF 10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	61.79	8.25
<i>For Work In Restricted Working Space, Add</i>	6.19	
23 07 19 00-0062 LF 12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	71.56	10.26
<i>For Work In Restricted Working Space, Add</i>	7.70	
23 07 19 00-0063 LF 14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	79.23	11.20
<i>For Work In Restricted Working Space, Add</i>	8.40	
23 07 19 00-0064 LF 16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	95.81	14.32
<i>For Work In Restricted Working Space, Add</i>	10.73	
23 07 19 00-0065 LF 18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	101.22	15.03
<i>For Work In Restricted Working Space, Add</i>	11.27	
23 07 19 00-0066 LF 20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	117.57	17.18
<i>For Work In Restricted Working Space, Add</i>	12.89	
23 07 19 00-0067 LF 24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	137.82	20.75
<i>For Work In Restricted Working Space, Add</i>	15.56	
<b>23 07 19 00-0068 3" Thick, Calcium Silicate Pipe Insulation</b> <small>(23 07 19 00-0001)</small>		
23 07 19 00-0069 LF 1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	30.51	5.15
<i>For Work In Restricted Working Space, Add</i>	3.87	
23 07 19 00-0070 LF 3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	30.63	5.15
<i>For Work In Restricted Working Space, Add</i>	3.87	
23 07 19 00-0071 LF 1" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	30.90	5.21
<i>For Work In Restricted Working Space, Add</i>	3.91	
23 07 19 00-0072 LF 1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	31.23	5.24
<i>For Work In Restricted Working Space, Add</i>	3.93	
23 07 19 00-0073 LF 1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	31.52	5.30
<i>For Work In Restricted Working Space, Add</i>	3.98	
23 07 19 00-0074 LF 2" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	32.58	5.50
<i>For Work In Restricted Working Space, Add</i>	4.12	
23 07 19 00-0075 LF 2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	36.38	5.68
<i>For Work In Restricted Working Space, Add</i>	4.26	
23 07 19 00-0076 LF 3" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	37.06	5.88
<i>For Work In Restricted Working Space, Add</i>	4.42	
23 07 19 00-0077 LF 4" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	44.08	6.22
<i>For Work In Restricted Working Space, Add</i>	4.66	
23 07 19 00-0078 LF 6" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	52.46	7.06
<i>For Work In Restricted Working Space, Add</i>	5.30	
23 07 19 00-0079 LF 8" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	61.13	7.87
<i>For Work In Restricted Working Space, Add</i>	5.90	
23 07 19 00-0080 LF 10" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	72.76	9.08
<i>For Work In Restricted Working Space, Add</i>	6.81	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0081	LF		12" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	83.59	11.28
			<i>For Work In Restricted Working Space, Add</i> .....	8.46	
23 07 19 00-0082	LF		14" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	92.90	12.32
			<i>For Work In Restricted Working Space, Add</i> .....	9.24	
23 07 19 00-0083	LF		16" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	107.97	15.75
			<i>For Work In Restricted Working Space, Add</i> .....	11.81	
23 07 19 00-0084	LF		18" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	116.66	16.53
			<i>For Work In Restricted Working Space, Add</i> .....	12.40	
23 07 19 00-0085	LF		20" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	136.87	18.90
			<i>For Work In Restricted Working Space, Add</i> .....	14.18	
23 07 19 00-0086	LF		24" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	161.64	22.83
			<i>For Work In Restricted Working Space, Add</i> .....	17.12	
<b>23 07 19 00-0087</b>			<b>3-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0088	LF		1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	39.38	5.65
			<i>For Work In Restricted Working Space, Add</i> .....	4.24	
23 07 19 00-0089	LF		3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	40.98	5.65
			<i>For Work In Restricted Working Space, Add</i> .....	4.24	
23 07 19 00-0090	LF		1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	41.07	5.68
			<i>For Work In Restricted Working Space, Add</i> .....	4.26	
23 07 19 00-0091	LF		1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	41.17	5.72
			<i>For Work In Restricted Working Space, Add</i> .....	4.29	
23 07 19 00-0092	LF		1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	42.53	5.79
			<i>For Work In Restricted Working Space, Add</i> .....	4.35	
23 07 19 00-0093	LF		2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	45.21	5.98
			<i>For Work In Restricted Working Space, Add</i> .....	4.49	
23 07 19 00-0094	LF		2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	49.26	6.21
			<i>For Work In Restricted Working Space, Add</i> .....	4.65	
23 07 19 00-0095	LF		3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	51.01	6.42
			<i>For Work In Restricted Working Space, Add</i> .....	4.82	
23 07 19 00-0096	LF		4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	58.40	6.79
			<i>For Work In Restricted Working Space, Add</i> .....	5.09	
23 07 19 00-0097	LF		6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	65.09	7.71
			<i>For Work In Restricted Working Space, Add</i> .....	5.78	
23 07 19 00-0098	LF		8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	79.70	8.58
			<i>For Work In Restricted Working Space, Add</i> .....	6.44	
23 07 19 00-0099	LF		10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	97.16	9.90
			<i>For Work In Restricted Working Space, Add</i> .....	7.43	
23 07 19 00-0100	LF		12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	117.45	12.31
			<i>For Work In Restricted Working Space, Add</i> .....	9.23	
23 07 19 00-0101	LF		14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	123.46	13.44
			<i>For Work In Restricted Working Space, Add</i> .....	10.08	
23 07 19 00-0102	LF		16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	143.12	17.18
			<i>For Work In Restricted Working Space, Add</i> .....	12.88	
23 07 19 00-0103	LF		18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	165.36	18.03
			<i>For Work In Restricted Working Space, Add</i> .....	13.52	
23 07 19 00-0104	LF		20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	177.79	20.62
			<i>For Work In Restricted Working Space, Add</i> .....	15.47	
<b>23 07 19 00-0105</b>			<b>4" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0106	LF		1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	49.62	6.28
			<i>For Work In Restricted Working Space, Add</i> .....	4.70	
23 07 19 00-0107	LF		3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	49.67	6.28
			<i>For Work In Restricted Working Space, Add</i> .....	4.70	
23 07 19 00-0108	LF		1" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	49.95	6.38
			<i>For Work In Restricted Working Space, Add</i> .....	4.79	
23 07 19 00-0109	LF		1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	51.38	6.46
			<i>For Work In Restricted Working Space, Add</i> .....	4.84	
23 07 19 00-0110	LF		1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	54.50	6.66
			<i>For Work In Restricted Working Space, Add</i> .....	4.99	
23 07 19 00-0111	LF		2" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	55.59	6.86
			<i>For Work In Restricted Working Space, Add</i> .....	5.15	
23 07 19 00-0112	LF		2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	61.01	6.97
			<i>For Work In Restricted Working Space, Add</i> .....	5.23	
23 07 19 00-0113	LF		3" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	62.74	7.22
			<i>For Work In Restricted Working Space, Add</i> .....	5.42	
23 07 19 00-0114	LF		4" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	71.55	7.63
			<i>For Work In Restricted Working Space, Add</i> .....	5.72	
23 07 19 00-0115	LF		6" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	82.87	8.65
			<i>For Work In Restricted Working Space, Add</i> .....	6.49	
23 07 19 00-0116	LF		8" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	99.11	9.65
			<i>For Work In Restricted Working Space, Add</i> .....	7.24	
23 07 19 00-0117	LF		10" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	114.10	11.15
			<i>For Work In Restricted Working Space, Add</i> .....	8.36	
23 07 19 00-0118	LF		12" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	129.28	13.85
			<i>For Work In Restricted Working Space, Add</i> .....	10.39	
23 07 19 00-0119	LF		14" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	137.28	15.13
			<i>For Work In Restricted Working Space, Add</i> .....	11.35	
23 07 19 00-0120	LF		16" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	161.75	19.34
			<i>For Work In Restricted Working Space, Add</i> .....	14.51	
23 07 19 00-0121	LF		18" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	172.20	20.27
			<i>For Work In Restricted Working Space, Add</i> .....	15.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0122 LF 20" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	190.14 17.40	23.20
<b>23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation</b> (23 07 19 00-0001)		
23 07 19 00-0124 SF 1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET) <i>For Work In Restricted Working Space, Add</i>	5.60 1.00	
<b>23 08 Commissioning of HVAC</b> (23)		
See CSI section 23 05 93 00-0000 for testing and balancing.		
<b>23 09 Instrumentation and Control for HVAC</b> (23)		
<b>23 09 23 Direct-Digital Control System for HVAC</b> (23 09)		
<b>23 09 23 11 Control Valves</b> (23 09 23)		
<b>23 09 23 11-0001 Valves With Actuator</b> (23 09 23 11)		
23 09 23 11-0002 EA 1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	785.14	13.52
23 09 23 11-0003 EA 3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	809.21	18.22
23 09 23 11-0004 EA 1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	884.28	22.06
23 09 23 11-0005 EA 1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	962.43	27.93
23 09 23 11-0006 EA 1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	1,096.04	32.23
23 09 23 11-0007 EA 2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	1,237.64	38.08
23 09 23 11-0008 EA 2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	2,311.44	76.18
23 09 23 11-0009 EA 3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	2,501.52	89.14
23 09 23 11-0010 EA 4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	3,369.61	130.93
23 09 23 11-0011 EA 5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	4,958.67	189.22
23 09 23 11-0012 EA 6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	5,492.53	209.49
23 09 23 11-0013 EA 1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	840.95	20.27
23 09 23 11-0014 EA 3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	862.67	27.33
23 09 23 11-0015 EA 1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	932.32	33.07
23 09 23 11-0016 EA 1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	1,030.15	41.90
23 09 23 11-0017 EA 1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	1,326.73	48.34
23 09 23 11-0018 EA 2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	1,469.48	57.13
23 09 23 11-0019 EA 2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	2,586.83	114.27
23 09 23 11-0020 EA 3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	2,838.14	133.72
23 09 23 11-0021 EA 4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2*GMX24-MFTX1)	4,128.95	196.39
23 09 23 11-0022 EA 5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2*GMX24-MFTX1)	5,989.57	283.82
23 09 23 11-0023 EA 6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2*GMX24-MFTX1)	6,659.31	314.24
23 09 23 11-0024 EA 1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	119.97	13.52
23 09 23 11-0025 EA 3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	141.39	18.22
23 09 23 11-0026 EA 1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	178.17	22.06
23 09 23 11-0027 EA 1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	146.54	20.27
23 09 23 11-0028 EA 3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	171.08	27.33
23 09 23 11-0029 EA 1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	214.02	33.07
23 09 23 11-0030 EA 1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	200.13	13.52
23 09 23 11-0031 EA 3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	237.13	18.22
23 09 23 11-0032 EA 1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)	269.67	22.06
23 09 23 11-0033 EA 1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	350.89	27.93
23 09 23 11-0034 EA 1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	362.78	32.23
23 09 23 11-0035 EA 2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	462.32	38.08
23 09 23 11-0036 EA 2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	993.47	76.18
23 09 23 11-0037 EA 3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	1,166.44	89.14
23 09 23 11-0038 EA 1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	242.28	20.27
23 09 23 11-0039 EA 3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	279.97	27.33
23 09 23 11-0040 EA 1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	361.45	33.07
23 09 23 11-0041 EA 1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	513.15	41.90
23 09 23 11-0042 EA 1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	540.72	48.34
23 09 23 11-0043 EA 2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	717.00	57.13
23 09 23 11-0044 EA 2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	584.12	69.83
23 09 23 11-0045 EA 2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)	613.19	76.18
23 09 23 11-0046 EA 3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	806.79	89.14
23 09 23 11-0047 EA 4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2*GMB24-3X1)	1,231.05	149.64
23 09 23 11-0048 EA 5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	2,485.22	189.22
23 09 23 11-0049 EA 6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	2,621.37	209.49
23 09 23 11-0050 EA 8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	3,568.62	239.42
23 09 23 11-0051 EA 10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	4,378.42	293.29
23 09 23 11-0052 EA 12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)	5,411.56	355.50
23 09 23 11-0053 EA 14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	6,011.93	418.97
23 09 23 11-0054 EA 16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	7,956.76	460.87
23 09 23 11-0055 EA 18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	9,646.44	511.99
23 09 23 11-0056 EA 2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)	1,080.96	104.75
23 09 23 11-0057 EA 2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	1,273.97	114.27
23 09 23 11-0058 EA 3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2*GMB24-3X1)	1,573.26	133.72
23 09 23 11-0059 EA 4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2*GMB24-3X1)	2,014.62	224.45
23 09 23 11-0060 EA 5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)	4,138.52	283.82
23 09 23 11-0061 EA 6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)	4,283.38	314.24
23 09 23 11-0062 EA 8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)	5,402.33	359.16
23 09 23 11-0063 EA 10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)	7,153.56	439.92

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0064 EA 12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24) .....	8,695.21	533.24
23 09 23 11-0065 EA 14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110) .....	13,584.00	628.47
23 09 23 11-0066 EA 16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110) .....	15,147.56	691.31
23 09 23 11-0067 EA 18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110) .....	23,335.18	767.99
<b>23 09 23 11-0068 Valve Actuators (23 09 23 11)</b>		
23 09 23 11-0069 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T) .....	407.79	86.54
23 09 23 11-0070 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3) .....	414.08	86.54
23 09 23 11-0071 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T) .....	537.39	86.54
23 09 23 11-0072 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S) .....	466.29	86.54
23 09 23 11-0073 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR) .....	475.46	86.54
23 09 23 11-0074 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT) .....	535.70	86.54
23 09 23 11-0075 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1) .....	690.80	86.54
23 09 23 11-0076 EA 24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95) .....	706.45	86.54
23 09 23 11-0077 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT) .....	744.18	86.54
23 09 23 11-0078 EA 120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3) .....	521.40	86.54
23 09 23 11-0079 EA 120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR) .....	600.58	86.54
23 09 23 11-0080 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T) .....	505.85	86.54
23 09 23 11-0081 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3) .....	515.05	86.54
23 09 23 11-0082 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14) .....	518.49	86.54
23 09 23 11-0083 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S) .....	581.01	86.54
23 09 23 11-0084 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T) .....	607.97	86.54
23 09 23 11-0085 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR) .....	622.29	86.54
23 09 23 11-0086 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT) .....	619.44	86.54
23 09 23 11-0087 EA 24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC) .....	628.61	86.54
23 09 23 11-0088 EA 24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95) .....	628.04	86.54
23 09 23 11-0089 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4) .....	687.53	86.54
23 09 23 11-0090 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4) .....	837.98	86.54
23 09 23 11-0091 EA 100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3) .....	550.02	86.54
23 09 23 11-0092 EA 100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR) .....	660.17	86.54
23 09 23 11-0093 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24) .....	1,524.00	86.54
23 09 23 11-0094 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24) .....	1,712.13	86.54
23 09 23 11-0095 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24) .....	2,060.30	86.54
23 09 23 11-0096 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24) .....	2,337.35	86.54
23 09 23 11-0097 EA 120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110) .....	2,771.56	86.54
23 09 23 11-0098 EA 120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110) .....	3,269.45	86.54
23 09 23 11-0099 EA 120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110) .....	4,414.35	86.54
23 09 23 11-0100 EA 120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110) .....	5,394.61	86.54
<b>23 09 23 12 Control Dampers (23 09 23)</b>		
<b>23 09 23 12-0001 Rectangular Galvanized Volume Control Dampers (23 09 23 12)</b>		
Note: Excludes actuators.		
23 09 23 12-0002 EA 8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008) .....	200.05	35.05
23 09 23 12-0003 EA 10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010) .....	225.82	38.43
23 09 23 12-0004 EA 12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012) .....	252.65	42.39
23 09 23 12-0005 EA 14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014) .....	291.91	49.74
23 09 23 12-0006 EA 16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016) .....	330.03	56.52
23 09 23 12-0007 EA 18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018) .....	331.88	63.59
23 09 23 12-0008 EA 20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020) .....	409.50	70.65





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0009 EA 24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024).....	488.94	84.77
23 09 23 12-0010 EA 32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032).....	630.83	98.90
23 09 23 12-0011 EA 48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048).....	946.70	113.03
23 09 23 12-0012 EA 60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060).....	1,760.10	127.16
23 09 23 12-0013 EA 72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072).....	2,241.84	141.29
<b>23 09 23 12-0014 Round Galvanized Control Dampers (23 09 23 12)</b>		
Note: Excludes actuators.		
23 09 23 12-0015 EA 6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06).....	192.74	39.57
23 09 23 12-0016 EA 8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08).....	198.49	42.39
23 09 23 12-0017 EA 10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10).....	207.60	42.39
23 09 23 12-0018 EA 12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12).....	230.18	48.04
23 09 23 12-0019 EA 14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14).....	263.94	48.04
23 09 23 12-0020 EA 16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16).....	285.00	56.52
23 09 23 12-0021 EA 18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18).....	383.38	59.49
23 09 23 12-0022 EA 20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20).....	401.02	61.66
23 09 23 12-0023 EA 22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22).....	425.16	66.48
23 09 23 12-0024 EA 24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24).....	449.84	71.29
<b>23 09 23 12-0025 Remote Damper Control (23 09 23 12)</b>		
23 09 23 12-0026 EA Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B).....	270.04	
For Each 10' Flexible Casing And Wire, Add	39.80	
23 09 23 12-0027 EA Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B).....	278.18	
For Each 10' Flexible Casing And Wire, Add	39.80	
<b>23 09 23 13 Energy Meters (23 09 23)</b>		
<b>23 09 23 13-0001 Surge Protectors (23 09 23 13)</b>		
23 09 23 13-0002 EA Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255).....	337.07	7.70
23 09 23 13-0003 EA Surge Protector, 1AC Outlet (Transtector TR2251).....	253.21	7.70
23 09 23 13-0004 EA Surge Protector, 2 AC Outlets (Transtector TR2254).....	397.51	7.70
23 09 23 13-0005 EA Surge Protector, DB-15 Connection (Transtector TR2259-DLP15).....	212.26	7.70
23 09 23 13-0006 EA Surge Protector, DB-25 Connection (Transtector TR2259-DLP25).....	212.26	7.70
23 09 23 13-0007 EA Surge Protector, DB-9 Connection (Transtector TR2259-DLP9).....	212.26	7.70
23 09 23 13-0008 EA Surge Protector, Individual Wire Connection (Transtector TR2258).....	309.78	7.70
23 09 23 13-0009 EA Surge Protector, Trane Communication Links (Transtector TR2257).....	188.86	7.70
<b>23 09 23 14 Flow Instruments (23 09 23)</b>		
<b>23 09 23 14-0001 Water Flow Meters (23 09 23 14)</b>		
23 09 23 14-0002 EA Insertion Electromagnetic Water Flow Meter (Onicon F-3500).....	5,086.44	92.57
Note: Excludes pipe fittings.		
<b>23 09 23 14-0003 Air Flow Monitoring Stations (23 09 23 14)</b>		
23 09 23 14-0004 EA Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116).....	3,996.33	108.51
Note: 10' cable, 36" x 24" typical duct size.		
23 09 23 14-0005 EA Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116).....	5,747.48	108.51
Note: 10' cable, 48" x 36" typical duct size.		
23 09 23 14-0006 EA Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116).....	7,158.40	108.51
Note: 10' cable, 60" x 48" typical duct size.		
<b>23 09 23 16 Gas Instruments (23 09 23)</b>		
<b>23 09 23 16-0001 Gas Sensors (23 09 23 16)</b>		
23 09 23 16-0002 EA 6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B).....	2,093.36	46.19
23 09 23 16-0003 EA Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD).....	917.71	30.80
23 09 23 16-0004 EA CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2).....	1,657.33	46.19
Note: Solid state sensor.		
23 09 23 16-0005 EA CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD).....	879.51	55.44
<b>23 09 23 19 Moisture Instruments (23 09 23)</b>		
<b>23 09 23 19-0001 Relative Humidity Sensors (23 09 23 19)</b>		
23 09 23 19-0002 EA 3% Duct Mounted RH Sensor (Kele HD30K).....	533.79	55.44
23 09 23 19-0003 EA 10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3).....	549.37	55.44
23 09 23 19-0004 EA 3% RH Outdoor Air Sensor (Kele HO30K).....	612.50	76.99
23 09 23 19-0005 EA 2% Surface Mounted RH Transmitter (Kele HW20K).....	496.00	30.80
<b>23 09 23 21 Motion Instruments (23 09 23)</b>		
<b>23 09 23 21-0001 Peco Motion Sensors (23 09 23 21)</b>		
23 09 23 21-0002 EA Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001).....	177.19	21.65
23 09 23 21-0003 EA Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001).....	173.47	21.65

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

23 09 23 21-0004	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001).....	235.81	21.65
23 09 23 21-0005	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002) .....	208.30	21.65
23 09 23 21-0006	EA	Door Switch Occupancy Sensor (Peco SE200-001) .....	57.12	21.65
23 09 23 21-0007	EA	Window Switch Occupancy Sensor (Peco SE200-002) .....	52.00	21.65
23 09 23 21-0008	EA	Power Pack And Controller (Peco SF200-001).....	104.71	21.65

**23 09 23 23 Pressure Instruments (23 09 23)****23 09 23 23-0001 Pressure Sensors (23 09 23 23)**

23 09 23 23-0002	EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005).....	717.85	65.01
23 09 23 23-0003	EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050) .....	634.18	65.01
23 09 23 23-0004	EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222).....	229.28	65.01
23 09 23 23-0005	EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262).....	239.00	65.01
23 09 23 23-0006	EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460).....	258.03	65.01
23 09 23 23-0007	EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145) .....	236.19	65.01
23 09 23 23-0008	EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA).....	2,755.86	65.01
		Note: Excludes pipe fittings.		
23 09 23 23-0009	EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA) .....	2,755.86	65.01
		Note: Excludes pipe fittings.		
23 09 23 23-0010	EA	Magnahelic Gauge.....	664.82	39.74

**23 09 23 23-0011 Room Pressure Monitoring (23 09 23 23)**

23 09 23 23-0012	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM) .....	3,303.07	56.52
23 09 23 23-0013	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC).....	5,339.95	56.52
		Note: Excludes dampers and actuators.		
23 09 23 23-0014	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4) .....	414.53	33.91
23 09 23 23-0015	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7) .....	479.54	33.91

**23 09 23 27 Temperature Instruments (23 09 23)****23 09 23 27-0001 Air Temperature Sensors (23 09 23 27)**

23 09 23 27-0002	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24).....	174.95	55.44
23 09 23 27-0003	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO) .....	258.63	55.44
23 09 23 27-0004	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG) .....	184.58	55.44
23 09 23 27-0005	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH) .....	194.45	55.44
23 09 23 27-0006	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18) .....	197.73	55.44
23 09 23 27-0007	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6) .....	194.48	55.44
23 09 23 27-0008	EA	10K Ohm Thermistor Duct Temperature Sensor With Non Metallic Handibox Housing (Kele ST-D24-XHP) .....	196.23	55.44
23 09 23 27-0009	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4) .....	212.86	55.44
23 09 23 27-0010	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW) .....	227.38	55.44
23 09 23 27-0011	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24).....	269.41	76.99
23 09 23 27-0012	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25).....	280.59	76.99
23 09 23 27-0013	EA	Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF).....	124.26	30.80
23 09 23 27-0014	EA	Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R).....	128.37	30.80
23 09 23 27-0015	EA	Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP).....	117.58	30.80

**23 09 23 27-0016 Water Temperature Sensors (23 09 23 27)**

23 09 23 27-0017	EA	5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001).....	143.82	59.57
23 09 23 27-0018	EA	Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005).....	315.52	59.57

**23 09 23 27-0019 Peco Thermostats (23 09 23 27)**

23 09 23 27-0020	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-1AQ).....	369.89	14.44
23 09 23 27-0021	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001).....	327.25	14.44

**23 09 23 53 Proprietary Control Systems (23 09 23)****23 09 23 53-0001 Primary Control Devices (23 09 23 53)****23 09 23 53-0002 Energy Management - Building Management System (23 09 23 53-0001)**

23 09 23 53-0003	EA	Global Control Modules .....	1,253.89	99.95
23 09 23 53-0004	EA	MicroZone II Digital Controller.....	877.79	62.47
23 09 23 53-0005	EA	MicroFlo II Variable Air Volume Digital Controller.....	469.32	53.97
23 09 23 53-0006	EA	VAV Box DDC Controllers .....	614.82	58.97
23 09 23 53-0007	EA	Lighting Control Relay Cabinet .....	1,604.41	199.89
23 09 23 53-0008	EA	Flow Transmitter Assembly - Water (Turbine Type).....	1,278.60	149.92
23 09 23 53-0009	EA	Pressure Transmitter Assembly - Air Streams .....	461.33	49.97
23 09 23 53-0010	EA	Differential Pressure Transmitter Assembly - Water .....	386.05	49.97
23 09 23 53-0011	EA	Watt Transducer .....	642.02	49.97
23 09 23 53-0012	EA	Differential Pressure Switch - Liquid .....	280.65	49.97
23 09 23 53-0013	EA	Differential Pressure Switch - Air .....	235.47	49.97
23 09 23 53-0014	EA	Differential Pressure Switch - Filters - Indicating .....	265.59	49.97
23 09 23 53-0015	EA	Damper End Switch .....	355.93	49.97
23 09 23 53-0016	EA	Automatic Dampers .....	928.99	63.96



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0017				<b>EMCS General Costs</b> <small>(23 09 23 53)</small>		
23 09 23 53-0018				<b>EMCS System Design Engineering</b> <small>(23 09 23 53-0017)</small> Note: Hourly labor rates are used for engineering projects only. Not used in conjunction with construction tasks.		
23 09 23 53-0019	HR			EMCS Site Inspection Of Existing Facilities.....	238.19	
23 09 23 53-0020	HR			EMCS Engineering Project Management .....	238.19	
23 09 23 53-0021	HR			EMCS System Engineering, Schematic Design And Layout .....	252.62	
23 09 23 53-0022	HR			EMCS System Software Programming And Graphics Programming.....	252.62	
23 09 23 53-0023	HR			EMCS Graphics Picture Creation .....	162.45	
23 09 23 53-0024	HR			EMCS System Controls Training .....	238.19	
23 09 23 53-0025	HR			EMCS On Site System Diagnostics Field Technician.....	238.19	
23 09 23 53-0026	HR			EMCS Remote Technical Support Using Phone Or Internet .....	198.54	
23 09 23 53-0027	HR			EMCS Travel Time (All Personnel).....	205.76	
23 09 23 53-0028				<b>Field Tests, Checkout And Commissioning</b> <small>(23 09 23 53-0017)</small> Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 53-0029	PNT			EMCS Field Test..... Note: Priced per point.	126.36	
23 09 23 53-0030	PNT			EMCS Field Checkout And Startup..... Note: Priced per point.	126.36	
23 09 23 53-0031	PNT			EMCS Field Commissioning .....	126.36	
23 09 23 53-0032	EA			EMCS Field Balance Support..... Note: Priced per controller.	108.26	
23 09 23 53-0033				<b>EMCS System Engineering/Submittal Design And Layout</b> <small>(23 09 23 53-0017)</small> Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 53-0034	PNT			EMCS System Engineering/Submittal Design And Layout .....	42.15	
23 09 23 53-0035				<b>Alerton Controls</b> <small>(23 09 23 53)</small>		
23 09 23 53-0036	EA			50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL) .....	9,168.39	
23 09 23 53-0037	EA			150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM) .....	11,963.89	
23 09 23 53-0038	EA			Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM) .....	31,272.22	
23 09 23 53-0039	EA			Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE).....	23,297.04	
23 09 23 53-0040	EA			Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE).....	61,074.19	
23 09 23 53-0041	EA			Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE) .....	48,027.64	
23 09 23 53-0042	EA			Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE).....	73,666.56	
23 09 23 53-0043	EA			Alerton Building Suite Tech License (Alerton ABS-3-TECH) .....	1,979.05	
23 09 23 53-0044	EA			Enterprise Edition With SQL Server Support, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-ENT1).....	27,544.87	
23 09 23 53-0045	EA			Unlimited Controllers, Unlimited Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-LRG) .....	19,976.84	
23 09 23 53-0046	EA			150 Controllers, 3 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-MED) .....	11,905.14	
23 09 23 53-0047	EA			50 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-SM) .....	7,107.42	
23 09 23 53-0048	EA			10 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-XS) .....	2,670.15	
23 09 23 53-0049	EA			1 Ethernet, 1 MS/TP, BACTalk Control Module (Alerton 715000100).....	5,016.54	230.98
23 09 23 53-0050	EA			Foreign Protocol Converter For P1 Systems, BACTalk Control Module (Alerton BCM-FPCS).....	7,451.53	307.96
23 09 23 53-0051	EA			Modbus Gateway, BACTalk Control Module (Alerton BCM-MDBS).....	7,349.11	307.96
23 09 23 53-0052	EA			V.90/56K Modem, BACTalk Control Module (Alerton BCM-MDM).....	2,540.03	230.98
23 09 23 53-0053	EA			1 MS/TP, BACTalk Control Module (Alerton 715000300) .....	3,140.27	230.98
23 09 23 53-0054	EA			Power Supply, BACTalk Control Module (Alerton BCM-PWS).....	2,355.33	230.98
23 09 23 53-0055	EA			1 TUX Trunk, BACTalk Control Module (Alerton BCM-TUX) .....	3,002.60	230.98
23 09 23 53-0056	EA			Web Server And Configurator CD, BACTalk Control Module (Alerton BCM-WEB).....	7,509.83	230.98
23 09 23 53-0057	EA			BACTalk Field Level Gateway For Modbus (Alerton FLG-MODBUS) .....	3,181.03	307.96
23 09 23 53-0058	EA			EXP BACnet Controller (Alerton VLX) .....	7,071.43	615.93
23 09 23 53-0059	EA			VLX BACnet High Performance Controller (Alerton VLX-PLATINUM).....	8,385.25	615.93
23 09 23 53-0060	EA			Multiple Segment MS/TP Repeater (Alerton MSTP-REP) .....	1,122.79	68.58
23 09 23 53-0061	EA			4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD) .....	2,015.35	230.98
23 09 23 53-0062	EA			4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7).....	2,153.87	230.98
23 09 23 53-0063	EA			4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD) .....	1,675.36	230.98
23 09 23 53-0064	EA			4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A) .....	1,868.45	230.98
23 09 23 53-0065	EA			5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAViH-SD) .....	1,860.05	230.98
23 09 23 53-0066	EA			11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACTalk Field Controller For Central Plant Systems (Alerton VLC-1188) .....	2,968.18	230.98
23 09 23 53-0067	EA			16 Inputs, BACTalk Field Controller (Alerton VLC-1600) .....	2,205.08	230.98
23 09 23 53-0068	EA			16 Inputs, 16 Binary Triac Outputs, BACTalk Field Controller (Alerton VLC-16160).....	3,361.54	307.96
23 09 23 53-0069	EA			4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444).....	1,464.18	153.99
23 09 23 53-0070	EA			5 Inputs, 5 Binary Outputs, BACTalk Field Controller (Alerton VLC-550) .....	1,408.76	153.99
23 09 23 53-0071	EA			6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-651R).....	1,881.03	230.98

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 09 Instrumentation and Control for HVAC**

**23 09 23 Direct-Digital Control System for HVAC**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0072	EA		6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-660R).....	1,881.03	230.98
23 09 23 53-0073	EA		8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACtalk Field Controller (Alerton VLC-853).....	2,328.48	230.98
23 09 23 53-0074	EA		16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688).....	4,831.49	307.96
23 09 23 53-0075	EA		2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362).....	1,960.78	230.98
23 09 23 53-0076	EA		Wireless Door Contact Sensor (Alerton AL-OC-DS).....	142.87	8.66
23 09 23 53-0077	EA		One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT).....	240.59	8.66
23 09 23 53-0078	EA		One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT).....	636.82	8.66
23 09 23 53-0079	EA		Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT).....	636.82	8.66
23 09 23 53-0080	EA		Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT).....	492.45	8.66
23 09 23 53-0081	EA		BACnet-Compliant Wall Sensor (Alerton TS-1050-BT).....	156.65	8.66
23 09 23 53-0082	EA		Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT).....	672.93	8.66
23 09 23 53-0083	EA		Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT).....	756.89	8.66
23 09 23 53-0084	EA		10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0).....	2,959.79	230.98
23 09 23 53-0085	EA		10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8).....	3,166.29	230.98
23 09 23 53-0086	EA		22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0).....	2,988.33	230.98
23 09 23 53-0087	EA		50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM).....	9,704.27	
23 09 23 53-0088	EA		Global Controller Base Unit (Alerton ACM).....	5,314.29	230.98
23 09 23 53-0089	EA		External Battery Pack For ACM (Alerton ACM-BATT).....	1,152.78	128.48
23 09 23 53-0090	EA		Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032).....	1,001.79	
23 09 23 53-0091	EA		Microset 4 Wall Sensor (Alerton MS4-THC).....	1,136.54	8.66
<b>23 09 23 53-0092 Automated Logic Controls (23 09 23 53)</b>					
23 09 23 53-0093	EA		0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100).....	3,376.73	230.98
23 09 23 53-0094	EA		0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320).....	7,310.13	692.93
23 09 23 53-0095	EA		2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx).....	2,231.62	230.98
23 09 23 53-0096	EA		4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx).....	4,958.07	307.96
23 09 23 53-0097	EA		8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx).....	4,872.61	307.96
23 09 23 53-0098	EA		16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160).....	7,694.27	615.93
23 09 23 53-0099	EA		8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx).....	4,317.15	307.96
23 09 23 53-0100	EA		0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320).....	4,436.38	230.98
23 09 23 53-0101	EA		16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160).....	7,181.54	615.93
23 09 23 53-0102	EA		No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642).....	1,680.66	153.99
23 09 23 53-0103	EA		With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D).....	1,809.02	153.99
23 09 23 53-0104	EA		3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+).....	2,575.17	153.99
23 09 23 53-0105	EA		1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+).....	2,479.03	153.99
23 09 23 53-0106	EA		Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF).....	2,009.43	230.98
23 09 23 53-0107	EA		Unlimited Points, Front End Software For Building Control (Automated Logic WC).....	13,504.47	
23 09 23 53-0108	EA		500 Point, Front End Software For Building Control (Automated Logic WC500).....	8,291.65	
23 09 23 53-0109	EA		Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE).....	11,451.91	
<b>23 09 23 53-0110 Cypress Envirosystems Controls (23 09 23 53)</b>					
<b>23 09 23 53-0111 Wireless Pneumatic Thermostat (23 09 23 53-0110)</b>					
Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.					
23 09 23 53-0112	EA		Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP).....	550.40	9.63
				Note: One for every thermostat to be retrofitted.	
				For >50 To 200, Deduct	
				-28.82	
				For >200, Deduct	
				-57.59	
23 09 23 53-0113	EA		Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP).....	550.40	9.63
				Note: One for every thermostat to be retrofitted.	
				For >50 To 200, Deduct	
				-28.82	
				For >200, Deduct	
				-57.59	
23 09 23 53-0114	EA		Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP).....	550.40	9.63
				Note: One for every thermostat to be retrofitted.	
				For >50 To 200, Deduct	
				-28.82	
				For >200, Deduct	
				-57.59	
23 09 23 53-0115	EA		Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP).....	550.40	9.63
				Note: One for every thermostat to be retrofitted.	
				For >50 To 200, Deduct	
				-28.82	
				For >200, Deduct	
				-57.59	
23 09 23 53-0116	EA		Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP-DB).....	627.60	9.63
				Note: One for every thermostat to be retrofitted.	
				For >50 To 200, Deduct	
				-33.11	
				For >200, Deduct	
				-66.17	
23 09 23 53-0117	EA		Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP-DB).....	627.60	9.63
				Note: One for every thermostat to be retrofitted.	
				For >50 To 200, Deduct	
				-33.11	
				For >200, Deduct	
				-66.17	
23 09 23 53-0118	EA		Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB).....	627.60	9.63
				Note: One for every thermostat to be retrofitted.	
				For >50 To 200, Deduct	
				-33.11	
				For >200, Deduct	
				-66.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0119 EA Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP-DB) ..... 644.96 9.63 Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-34.08	
For >200, Deduct	-68.09	
23 09 23 53-0120 EA Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV)..... 43.68 9.63 Note: Optional cover.		
For >50 To 200, Deduct	-1.89	
For >200, Deduct	-3.78	
23 09 23 53-0121 EA Green Box Controller (Cypress Envirosystems GBC-800-001) ..... 6,047.91 9.63 Note: One unit for up to 100 thermostats.		
For 2, Deduct	-314.86	
For >2, Deduct	-629.15	
23 09 23 53-0122 EA WPT USB Hub (Cypress Envirosystems WPT-800-HUSB) ..... 458.48 9.63 Note: One unit for up to 100 thermostats.		
For 2, Deduct	-24.96	
For >2, Deduct	-49.87	
23 09 23 53-0123 EA WPT Repeater (Cypress Envirosystems WPT-800-RWAL)..... 789.54 9.63 Note: One unit for up to 15 thermostats.		
For >5 To 10, Deduct	-41.22	
For >10, Deduct	-82.37	
23 09 23 53-0124 EA 24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V) ..... 958.41 9.63 Note: One unit for up to 15 thermostats.		
For >5 To 10, Deduct	-47.94	
For >10, Deduct	-95.79	
<b>23 09 23 53-0125 Delta Controls (23 09 23 53)</b>		
<b>23 09 23 53-0126 Software (23 09 23 53-0125)</b> Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0127 EA Orca Software Unlimited Points License (Delta Controls DOW333-USB) ..... 2,333.17		
23 09 23 53-0128 EA Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB) ..... 4,066.20		
23 09 23 53-0129 EA Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB) ..... 8,810.10		
23 09 23 53-0130 EA Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB) ..... 13,854.07		
23 09 23 53-0131 EA Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB) ..... 7,077.07		
23 09 23 53-0132 EA Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB)..... 2,333.17		
23 09 23 53-0133 EA 100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01) ..... 5,721.67		
23 09 23 53-0134 EA 1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02) ..... 7,077.07		
23 09 23 53-0135 EA KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB) ..... 2,431.60 96.24		
23 09 23 53-0136 EA Delta Controls Touch Screen (Delta Controls DHMI-7-I) ..... 2,749.30		
<b>23 09 23 53-0137 EMCS Central Equipment And Controllers (23 09 23 53-0125)</b>		
23 09 23 53-0138 EA Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616) ..... 7,935.37 384.95 Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup		
23 09 23 53-0139 EA Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E) ..... 5,766.73 384.95		
23 09 23 53-0140 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146) ..... 3,960.66 384.95		
23 09 23 53-0141 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180) ..... 3,960.66 384.95		
23 09 23 53-0142 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146) ..... 3,960.66 384.95		
23 09 23 53-0143 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)..... 3,630.38 384.95		
23 09 23 53-0144 EA VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF) ..... 1,369.67 192.48		
23 09 23 53-0145 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240) ..... 1,223.97 192.48		
23 09 23 53-0146 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)..... 1,320.64 192.48		
23 09 23 53-0147 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240) ..... 1,223.97 192.48		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0148 EA Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616) .....	3,131.03	240.59
23 09 23 53-0149 EA Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440) .....	740.23	96.24
23 09 23 53-0150 EA Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404) .....	801.67	96.24
23 09 23 53-0151 EA Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600).....	960.99	96.24
<b>23 09 23 53-0152 Network, VAV And Special Sensors</b> <small>(23 09 23 53-0125)</small>		
23 09 23 53-0153 EA BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24) .....	259.87	30.80
23 09 23 53-0154 EA BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24) .....	357.70	34.65
23 09 23 53-0155 EA Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B).....	730.29	14.44
<b>23 09 23 53-0156 Honeywell Controls</b> <small>(23 09 23 53)</small>		
<b>23 09 23 53-0157 EMCS Central Equipment And Controllers</b> <small>(23 09 23 53-0156)</small>		
<b>23 09 23 53-0158 EMCS Network Area Controllers (BACnet Or Lon)</b> <small>(23 09 23 53-0157)</small>		
Note: Includes loading software, software license, loading data base and mounting on wall.		
23 09 23 53-0159 EA Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004) .....	11,344.58	469.16
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.		
23 09 23 53-0160 EA Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022) .....	7,470.35	469.16
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).		
23 09 23 53-0161 EA Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201) .....	5,506.33	469.16
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.		
23 09 23 53-0162 EA Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ) .....	7,069.23	469.16
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.		
23 09 23 53-0163 EA Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN).....	5,452.52	469.16
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.		
23 09 23 53-0164 EA Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU) .....	5,452.52	469.16
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.		
23 09 23 53-0165 EA 16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B).....	5,993.06	469.16
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0166 EA 16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU).....	6,560.49	469.16
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0167 EA 16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N).....	5,993.06	469.16
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0168 EA 16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU).....	6,560.49	469.16
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0169 EA 34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B).....	6,565.39	469.16
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0170 EA 34 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-234-BU) .....	7,132.82	469.16
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.		
23 09 23 53-0171 EA 34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N).....	6,565.39	469.16
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0172 EA 34 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU) .....	7,132.82	469.16
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.		
23 09 23 53-0173 EA Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX).....	7,042.33	469.16
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0174 EA Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only).....	8,937.86	469.16
Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0175 EA Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ) .....	9,522.42	469.16
Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.		
23 09 23 53-0176 EA Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ) .....	11,417.95	469.16
Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0177 EA Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX) .....	9,549.32	469.16
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.		
23 09 23 53-0178 EA Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ) .....	13,161.84	469.16
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.		
<b>23 09 23 53-0179</b>	<b>EMCS Network Interfaces <small>(23 09 23 53-0157)</small></b>	
Note: Includes installation, start-up and tech labor.		
23 09 23 53-0180 EA Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001) .....	1,696.03	129.92
Note: For desktop computer.		
23 09 23 53-0181 EA Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009) .....	1,433.10	86.62
Note: For laptop computer.		
23 09 23 53-0182 EA FTT-10 To FTT-10 Router (Honeywell Q7751A2010) .....	1,816.52	162.45
23 09 23 53-0183 EA 4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002) .....	2,832.78	234.63
23 09 23 53-0184 EA Two Way Lon Repeater (Honeywell Q7740A1008) .....	1,416.63	234.63
23 09 23 53-0185 EA FTT Termination Module For Network Bus (Honeywell 209541B) .....	94.54	28.87
<b>23 09 23 53-0186</b>	<b>DDC Application Specific Controller Assemblies <small>(23 09 23 53-0157)</small></b>	
Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 53-0187 EA Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies .....	2,562.98	530.55
23 09 23 53-0188 EA >10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies .....	2,202.08	314.01
23 09 23 53-0189 EA Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies .....	2,714.56	621.49
23 09 23 53-0190 EA >10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies .....	2,353.67	404.95
23 09 23 53-0191 EA Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies .....	3,017.22	649.68
23 09 23 53-0192 EA >10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies .....	2,746.50	486.78
23 09 23 53-0193 EA Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies .....	3,179.61	747.12
23 09 23 53-0194 EA >10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies .....	2,887.20	571.76
23 09 23 53-0195 EA Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies .....	2,240.58	530.47
23 09 23 53-0196 EA >10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies .....	1,879.68	314.01
23 09 23 53-0197 EA Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies .....	2,439.12	649.68
23 09 23 53-0198 EA >10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies .....	2,078.14	433.08
23 09 23 53-0199 EA Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies .....	3,068.82	539.21
23 09 23 53-0200 EA >10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies .....	2,700.71	440.77
23 09 23 53-0201 EA Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies .....	3,267.35	747.11
23 09 23 53-0202 EA >10 Field Installed Application Specific Fan Coil Unit Controller Assemblies .....	2,899.15	496.59
23 09 23 53-0203 EA Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies .....	3,940.09	747.11
23 09 23 53-0204 EA >10 Factory Installed Application Specific Unit Ventilator Controller Assemblies .....	3,611.72	477.34
23 09 23 53-0205 EA Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies .....	4,337.18	747.11
23 09 23 53-0206 EA >10 Field Installed Application Specific Unit Ventilator Controller Assemblies .....	4,008.71	559.15
<b>23 09 23 53-0207</b>	<b>DDC Programmable Controller Assemblies <small>(23 09 23 53-0157)</small></b>	
Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0214 for additional components.		
23 09 23 53-0208 EA 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies .....	2,563.02	573.87
23 09 23 53-0209 EA Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies .....	3,026.77	573.87
23 09 23 53-0210 EA 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies .....	4,130.25	674.93
23 09 23 53-0211 EA Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies .....	4,594.00	674.93
23 09 23 53-0212 EA 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies .....	7,724.40	790.41
23 09 23 53-0213 EA Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies .....	8,260.49	790.41
<b>23 09 23 53-0214</b>	<b>EMCS Optional DDC Controller Hardware <small>(23 09 23 53-0157)</small></b>	
Note: Used to expand the capacity of DDC programmable controller assemblies.		
23 09 23 53-0215 EA 6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005) .....	557.65	
Note: For constant volume single zone and heat pump AHUs.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0216 EA 6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011).....	644.48	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0217 EA 3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001) .....	675.05	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0218 EA VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010).....	637.14	
23 09 23 53-0219 EA VAV Controller With Internally Wired Subbase (Honeywell W7751D2016) .....	646.93	
23 09 23 53-0220 EA VAV Controller With Externally Wired Subbase (Honeywell W7751F2011).....	632.25	
23 09 23 53-0221 EA VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025).....	544.20	
23 09 23 53-0222 EA VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004) .....	473.27	
23 09 23 53-0223 EA Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002).....	693.40	
23 09 23 53-0224 EA Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000) .....	620.02	
23 09 23 53-0225 EA Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002).....	684.84	
23 09 23 53-0226 EA Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011).....	1,454.06	
23 09 23 53-0227 EA Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017).....	1,808.71	
23 09 23 53-0228 EA Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002).....	903.74	
23 09 23 53-0229 EA Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010) .....	890.29	
23 09 23 53-0230 EA Hydronic Controller Without Wall Module (Honeywell W7762B1027) .....	436.58	
23 09 23 53-0231 EA Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016).....	496.51	
23 09 23 53-0232 EA IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001) .....	917.19	
23 09 23 53-0233 EA IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001).....	980.79	
23 09 23 53-0234 EA AI Module (Honeywell XFL521B).....	613.91	
23 09 23 53-0235 EA AO Module (Honeywell XFL522B).....	613.91	
23 09 23 53-0236 EA DI Module (Honeywell XFL523B).....	613.91	
23 09 23 53-0237 EA DO Module (Honeywell XFL524B).....	613.91	
23 09 23 53-0238 EA Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511) .....	108.84	
23 09 23 53-0239 EA Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513) .....	205.45	
23 09 23 53-0240 EA Distributed IO, Terminal Block For DO Modules (Honeywell XSL514).....	201.78	
23 09 23 53-0241 EA Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI).....	617.58	
23 09 23 53-0242 EA Lon Hub (Honeywell XIO-HUB).....	91.72	
23 09 23 53-0243 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO).....	617.58	
23 09 23 53-0244 EA Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI).....	568.66	
23 09 23 53-0245 EA Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO).....	568.66	
23 09 23 53-0246 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC) .....	599.23	
23 09 23 53-0247 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000).....	599.23	
23 09 23 53-0248 EA Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI) .....	862.16	
23 09 23 53-0249 EA 16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16).....	1,017.47	
Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.		
23 09 23 53-0250 EA 34 Point IO Module For Network Area Controllers (Honeywell W7750A2005) .....	2,162.13	
Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.		
<b>23 09 23 53-0251 EMCS Software (23 09 23 53-0156)</b>		
<b>23 09 23 53-0252 Software Packages And License (23 09 23 53-0251)</b>		
Note: Includes installation on equipment.		
23 09 23 53-0253 EA On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB).....	689.73	
Note: Requires UI services to be installed on NAC.		
23 09 23 53-0254 EA Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX) .....	2,558.19	
Note: Upgrade existing network area controller. As with other WEBS controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0255 EA WEBStation-AX Software For Windows (Honeywell WEB-S-AX) .....	7,704.43	
Note: Includes Archon database. WEBS controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).		
23 09 23 53-0256 EA Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS).....	4,585.97	
Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.		
23 09 23 53-0257 EA Upgrade Small Building To Large Building Software .....	5,126.33	
Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.		
23 09 23 53-0258 EA Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W) .....	3,547.56	
Note: One copy is included with WEB-S-AX and WEBStation-AX.		
23 09 23 53-0259 EA WEBS Energy Suite (WES) Base Software (Honeywell WES-BASE-AX).....	6,415.32	
Note: Includes license for 10 points of E <sup>2</sup> Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E <sup>2</sup> Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.		
23 09 23 53-0260 EA Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E <sup>2</sup> Profiler Points (Honeywell WES-CP-AX) .....	734.83	
Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.		
23 09 23 53-0261 EA Perpetual License For One Point Of E <sup>2</sup> Profiler (Honeywell WES-E2-AX).....	447.45	
Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.		
23 09 23 53-0262 EA Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters .....	35,281.24	
Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.		
23 09 23 53-0263 EA Annual Maintenance For Enterprise WEBS-AX Energy Suite (Honeywell WES-M1-ENT-AX).....	32,156.95	
Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.		
23 09 23 53-0264 EA Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX) .....	12,285.50	
23 09 23 53-0265 EA Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS).....	9,167.05	
23 09 23 53-0266 EA Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500) .....	2,650.08	
23 09 23 53-0267 EA Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500) .....	2,650.08	
23 09 23 53-0268 EA Vykron Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL).....	18,343.88	
Note: Excludes Oracle.		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0269 EA Open System Driver Option (Honeywell WS-SNMP-500).....	2,445.85	
Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.		
23 09 23 53-0270 EA Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500) .....	2,650.08	
23 09 23 53-0271 EA WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003).....	6,930.32	
Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.		
23 09 23 53-0272 EA WEBStation Additional Node (Honeywell ZW2000B1002) .....	2,650.08	
23 09 23 53-0273 EA WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001) .....	44,433.76	
23 09 23 53-0274 EA WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000).....	81,528.74	
23 09 23 53-0275 EA WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009).....	142,674.99	
23 09 23 53-0276 EA Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008).....	7,337.55	
23 09 23 53-0277 EA Additional Master WEBStation Software Licenses (Honeywell ZW2000G1007).....	3,668.78	
23 09 23 53-0278 EA Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001).....	2,794.24	
23 09 23 53-0279 EA Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055).....	3,108.50	
Note: As with other WEBS, capacity is limited by the characteristics of the application including size and complexity.		
<b>23 09 23 53-0280 Initial Database Generation (23 09 23 53-0251)</b>		
23 09 23 53-0281 PNT Database Generation For Central Plant.....	64.57	
23 09 23 53-0282 PNT Database Generation For Programmable Controller .....	64.57	
Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0283 EA Database Generation For Application Specific Controller .....	64.57	
Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 53-0284 EA Replication Of Database Generation For Application Specific Controller .....	44.95	
Note: Price per copy made.		
23 09 23 53-0285 EA Database Generation For Remote IO Modules, Sensors, Etcetera .....	44.95	
<b>23 09 23 53-0286 Application Software Programs (23 09 23 53-0251)</b>		
23 09 23 53-0287 EA Basic Application Program Package.....	2,694.69	
Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.		
23 09 23 53-0288 EA Optimum Start/Stop Program.....	90.08	
Note: Priced per controller requiring optimum start programming.		
23 09 23 53-0289 EA Duty Cycling Program.....	42.54	
23 09 23 53-0290 EA Hot Deck/Cold Deck Reset Application Program .....	4,629.37	
23 09 23 53-0291 EA Boiler Optimization Program.....	6,066.50	
23 09 23 53-0292 EA Chiller Optimization Program .....	8,217.69	
23 09 23 53-0293 EA Lighting Control Program.....	3,965.54	
23 09 23 53-0294 EA Demand Limiting Program .....	79.01	
Note: Priced per controller requiring optimum start programming.		
23 09 23 53-0295 EA Email Alarm Server Configuration.....	3,059.24	
<b>23 09 23 53-0296 Color Graphics Generation (23 09 23 53-0251)</b>		
Note: Priced per page.		
23 09 23 53-0297 EA Single Site Home Page Graphics Page With HTML Navigation Code.....	1,614.71	
23 09 23 53-0298 EA Multi Site Home Page Graphics Page With HTML Navigation Code .....	2,866.85	
23 09 23 53-0299 EA Color Graphics Page For Central Plant .....	733.63	
23 09 23 53-0300 EA Color Graphics Page For Building Floor Plan .....	677.43	
23 09 23 53-0301 EA Replication Of Color Graphics Page For Central Plant.....	368.02	
23 09 23 53-0302 EA Color Graphics Page For Programmable Controller .....	825.35	
Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0303 EA Replication Of Color Graphics Page For Programmable Controller.....	176.50	
Note: Priced per copy made.		
23 09 23 53-0304 EA Color Graphics Page For Application Specific Controller.....	763.37	
Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 53-0305 EA Replication Of Color Graphics Page For Application Specific Cont .....	76.32	
Note: Priced per copy made.		
<b>23 09 23 53-0306 Sensors, Actuators And Control Devices (23 09 23 53-0156)</b>		
Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
<b>23 09 23 53-0307 Special Sensors (23 09 23 53-0306)</b>		
23 09 23 53-0308 EA Dewpoint Sensor (Honeywell C7232B1014).....	2,108.73	59.57
23 09 23 53-0309 EA Enthalpy Sensor -25 To 125 F.....	2,203.22	59.57
23 09 23 53-0310 EA Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002) .....	913.19	119.15
23 09 23 53-0311 EA Freezestat (Honeywell L482A1004).....	609.26	198.54
23 09 23 53-0312 EA Wall Mounted Occupancy Sensor.....	459.91	59.57
23 09 23 53-0313 EA Ceiling Mounted Occupancy Sensor.....	355.74	59.57
23 09 23 53-0314 EA I/P Positioner With Gauge.....	420.51	59.57
23 09 23 53-0315 EA Non Communicating Duct Mounted Smoke Detector With Sampling Tube .....	502.29	59.57
23 09 23 53-0316 EA EP Transducer.....	420.51	39.74
23 09 23 53-0317 EA Electric Heat Sequencer .....	657.77	79.39

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 09 23 53-0318</b>			<b>Meters</b> (23 09 23 53-0306)		
23 09 23 53-0319	EA		208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer.....	4,297.89	476.39
23 09 23 53-0320	EA		208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface .....	6,180.47	555.78
23 09 23 53-0321	EA		1 To 300 Amperes, Current Transformer For KW Meter.....	1,441.11	198.54
23 09 23 53-0322	EA		300 To 800 Amperes, Current Transformer For KW Meter.....	1,684.58	198.54
23 09 23 53-0323	EA		800 To 2,400 Amperes, Current Transformer For KW Meter.....	2,151.52	198.54
<b>23 09 23 53-0324</b>			<b>Direct Coupled Actuators</b> (23 09 23 53-0306)		
23 09 23 53-0325	EA		44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002).....	627.08	93.25
23 09 23 53-0326	EA		88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200).....	695.68	93.25
23 09 23 53-0327	EA		175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209).....	813.62	93.25
23 09 23 53-0328	EA		44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008).....	586.95	93.25
23 09 23 53-0329	EA		88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206).....	660.71	93.25
23 09 23 53-0330	EA		175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205).....	733.76	93.25
23 09 23 53-0331	EA		44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator.....	664.75	93.25
23 09 23 53-0332	EA		88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206).....	769.93	93.25
23 09 23 53-0333	EA		175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205).....	883.47	93.25
23 09 23 53-0334	EA		44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209).....	532.22	93.25
23 09 23 53-0335	EA		88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209).....	588.23	93.25
23 09 23 53-0336	EA		175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200).....	700.75	93.25
23 09 23 53-0337	EA		175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007).....	753.72	93.25
23 09 23 53-0338	EA		300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030).....	753.06	93.25
23 09 23 53-0339	EA		300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008).....	898.30	93.25
23 09 23 53-0340	EA		Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018).....	555.18	93.25
23 09 23 53-0341	EA		Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368).....	986.37	93.25
23 09 23 53-0342	EA		Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator .....	413.44	93.25
23 09 23 53-0343	EA		Direct Coupled Damper Actuator Enclosure For Outdoor Use.....	637.19	93.25
<b>23 09 23 53-0344</b>			<b>Thermostats</b> (23 09 23 53-0156)		
<b>23 09 23 53-0345</b>			<b>Electric And Electronic Thermostats</b> (23 09 23 53-0344)		
			Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 53-0346	EA		Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018).....	194.64	14.44
23 09 23 53-0347	EA		Electronic Non Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320).....	212.02	14.44
23 09 23 53-0348	EA		Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110).....	192.71	14.44
23 09 23 53-0349	EA		Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220).....	219.17	14.44
23 09 23 53-0350	EA		Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320).....	239.06	14.44
23 09 23 53-0351	EA		Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321).....	366.53	14.44
23 09 23 53-0352	EA		Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F).....	548.07	14.44
23 09 23 53-0353	EA		Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H).....	907.04	14.44
23 09 23 53-0354	EA		Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M).....	969.41	14.44
<b>23 09 23 53-0355</b>			<b>Pneumatic Thermostats</b> (23 09 23 53-0344)		
			Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 53-0356	EA		Pneumatic Thermostat (Honeywell TP970B2182).....	287.46	14.44
<b>23 09 23 53-0357</b>			<b>Thermostats Guards</b> (23 09 23 53-0344)		
23 09 23 53-0358	EA		9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009).....	66.43	14.44
23 09 23 53-0359	EA		7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511).....	80.92	14.44
23 09 23 53-0360	EA		5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510).....	75.70	14.44
<b>23 09 23 53-0361</b>			<b>Johnson Controls</b> (23 09 23 53)		
<b>23 09 23 53-0362</b>			<b>Software</b> (23 09 23 53-0361)		
			Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0363	EA		5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0).....	19,565.85	
23 09 23 53-0364	EA		10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0).....	23,155.62	
23 09 23 53-0365	EA		N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0).....	1,059.06	
23 09 23 53-0366	EA		N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2).....	1,650.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0367 EA BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0) .....	2,992.71	
23 09 23 53-0368 EA BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0) .....	1,069.08	
23 09 23 53-0369 EA New User FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0) .....	1,062.30	
23 09 23 53-0370 EA Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6) .....	330.53	
<b>23 09 23 53-0371</b> <b>Supervisory Controllers</b> <small>(23 09 23 53-0361)</small>		
23 09 23 53-0372 EA NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2) .....	7,710.55	384.95
23 09 23 53-0373 EA NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2) .....	12,444.83	384.95
23 09 23 53-0374 EA NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1) .....	17,189.60	384.95
23 09 23 53-0375 EA NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS- NCE2510-0) .....	5,886.93	384.95
<b>23 09 23 53-0376</b> <b>Controllers</b> <small>(23 09 23 53-0361)</small>		
23 09 23 53-0377 EA 10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0) .....	888.04	96.24
23 09 23 53-0378 EA 10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0) .....	1,203.72	192.48
23 09 23 53-0379 EA 17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0) .....	1,494.38	192.48
23 09 23 53-0380 EA 17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0) .....	1,810.05	192.48
23 09 23 53-0381 EA BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0) .....	706.94	96.24
23 09 23 53-0382 EA BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0) .....	787.43	96.24
23 09 23 53-0383 EA BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0) .....	908.17	96.24
23 09 23 53-0384 EA 17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IQU4710-0) .....	924.27	96.24
23 09 23 53-0385 EA BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2) .....	1,892.18	192.48
23 09 23 53-0386 EA 32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0) .....	902.70	96.24
23 09 23 53-0387 EA 32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0) .....	1,361.77	96.24
Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications		
<b>23 09 23 53-0388</b> <b>Master FX Controllers</b> <small>(23 09 23 53-0361)</small>		
23 09 23 53-0389 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C) .....	2,445.95	192.48
23 09 23 53-0390 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C) .....	2,636.70	192.48
23 09 23 53-0391 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C) .....	2,731.49	192.48
23 09 23 53-0392 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C) .....	2,673.88	192.48
23 09 23 53-0393 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C) .....	2,583.86	192.48
23 09 23 53-0394 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C) .....	2,598.29	192.48
23 09 23 53-0395 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C) .....	2,583.86	192.48
23 09 23 53-0396 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C) .....	2,636.91	192.48
23 09 23 53-0397 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C) .....	2,801.65	192.48
23 09 23 53-0398 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C) .....	2,911.47	192.48
23 09 23 53-0399 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C) .....	2,856.55	192.48
23 09 23 53-0400 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C) .....	2,744.15	192.48
23 09 23 53-0401 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C) .....	2,636.91	192.48
23 09 23 53-0402 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C) .....	2,801.65	192.48
23 09 23 53-0403 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C) .....	2,911.47	192.48
23 09 23 53-0404 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C) .....	2,856.55	192.48
23 09 23 53-0405 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C) .....	2,744.15	192.48
23 09 23 53-0406 EA N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C) .....	290.81	48.12
23 09 23 53-0407 EA LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C) .....	425.96	48.12

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0408 EA RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C).....	328.75	48.12
23 09 23 53-0409 EA BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C).....	290.81	48.12
23 09 23 53-0410 EA Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C).....	812.16	48.12
23 09 23 53-0411 EA Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C).....	742.64	48.12
23 09 23 53-0412 EA 5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C).....	758.92	48.12
23 09 23 53-0413 EA 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C).....	758.92	48.12
23 09 23 53-0414 EA 5 UI, 4 BI, 3 AO, 2 Triac DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C).....	840.23	48.12
23 09 23 53-0415 EA 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C).....	840.23	48.12
23 09 23 53-0416 EA 6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C).....	1,073.98	48.12
23 09 23 53-0417 EA 6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C).....	1,073.98	48.12
23 09 23 53-0418 EA 6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C).....	1,206.11	48.12
23 09 23 53-0419 EA 6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C).....	1,206.11	48.12
<b>23 09 23 53-0420 VAV, Network And Special Sensors</b> (23 09 23 53-0361)		
23 09 23 53-0421 EA 3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0).....	578.64	30.80
23 09 23 53-0422 EA 3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0).....	179.48	30.80
23 09 23 53-0423 EA 3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0).....	443.03	30.80
23 09 23 53-0424 EA 3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0).....	673.20	30.80
23 09 23 53-0425 EA 3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0).....	209.36	30.80
23 09 23 53-0426 EA 3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0).....	608.31	30.80
<b>23 09 23 53-0427 Sensors - Hard Wired Type</b> (23 09 23 53-0361)		
23 09 23 53-0428 EA Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00).....	156.61	55.44
23 09 23 53-0429 EA Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0).....	145.30	30.80
23 09 23 53-0430 EA BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2).....	445.68	14.44
23 09 23 53-0431 EA BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2).....	610.88	14.44
Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.		
23 09 23 53-0432 EA BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627/VVT-2).....	446.59	14.44
Note: For VVT systems.		
23 09 23 53-0433 EA BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2).....	593.56	30.80
23 09 23 53-0434 EA BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR).....	736.53	30.80
<b>23 09 23 53-0435 Melink Intelli-Hood IH3 Controls</b> (23 09 23 53)		
<b>23 09 23 53-0436 Kitchen Ventilation Controllers</b> (23 09 23 53-0435)		
23 09 23 53-0437 EA Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001).....	9,092.57	384.95
Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points. Includes 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.		
23 09 23 53-0438 EA Graphical User Interface (Melink Intelli-Hood 2KPD-3001).....	1,816.21	79.39
Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.		
23 09 23 53-0439 EA Hood Controller (Melink Intelli-Hood 2SEN-3001).....	2,808.93	320.47
Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.		
<b>23 09 23 53-0440 Kitchen Ventilation Sensors</b> (23 09 23 53-0435)		
23 09 23 53-0441 EA Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q).....	517.54	55.44
Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.		
23 09 23 53-0442 EA Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28).....	4,558.97	307.96
Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.		
<b>23 09 23 53-0443 Siemens Controls</b> (23 09 23 53)		
23 09 23 53-0444 EA Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083).....	429.33	14.44
23 09 23 53-0445 EA Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085).....	296.85	14.44
23 09 23 53-0446 EA SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575).....	283.73	65.01
23 09 23 53-0447 EA -0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591).....	452.85	65.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0448 EA Spring Clip Mounting Kit For Thermostat (Siemens 182-685).....	73.60	9.63
23 09 23 53-0449 EA Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001).....	244.51	96.24
23 09 23 53-0450 EA 3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012).....	407.92	18.22
23 09 23 53-0451 EA 1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079).....	719.11	33.07
23 09 23 53-0452 EA 1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203).....	1,461.98	33.07
23 09 23 53-0453 EA 1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006).....	1,230.61	41.90
23 09 23 53-0454 EA 36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36).....	290.63	55.44
23 09 23 53-0455 EA -58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768).....	254.88	30.80
23 09 23 53-0456 EA Unit Conditioner Controller With Secure Mode (Siemens 540-110C).....	1,226.41	153.99
23 09 23 53-0457 EA 9-Pin, Female To RJ-11 Cable (Siemens 540-143).....	104.34	4.81
23 09 23 53-0458 EA Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800).....	1,447.96	153.99
23 09 23 53-0459 EA MMI Extension Cable (Siemens 545-712).....	177.47	4.81
23 09 23 53-0460 EA Remote Pressure Transmitter (Siemens 547-003).....	1,424.75	30.80
23 09 23 53-0461 EA Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400).....	907.33	76.99
23 09 23 53-0462 EA BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433).....	729.13	76.99
23 09 23 53-0463 EA Door Lock And Key Assembly (Siemens 567-225).....	37.41	19.24
23 09 23 53-0464 EA Insight Advanced Software Package (Siemens 571-010-381-USB).....	14,565.60	
Note: Includes one user license and one sentinel key.		
23 09 23 53-0465 EA BACnet Client Option For Insight Advanced Software Package (Siemens 571-188).....	442.71	
23 09 23 53-0466 EA Soft Controller Option For Insight Advanced Software Package (Siemens 571-620).....	3,150.84	
23 09 23 53-0467 EA 1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059).....	478.85	11.00
23 09 23 53-0468 EA 2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03062).....	1,011.31	19.06
23 09 23 53-0469 EA Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C).....	12,573.36	384.95
23 09 23 53-0470 EA SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F).....	14,286.64	384.95
23 09 23 53-0471 EA 7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U).....	168.91	14.44
23 09 23 53-0472 EA Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxillary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U).....	629.87	93.25
23 09 23 53-0473 EA Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U).....	659.60	93.25
23 09 23 53-0474 EA License To Enable 4 TX-I/O Modules On The Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A).....	4,257.24	
23 09 23 53-0475 EA License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN).....	859.65	
23 09 23 53-0476 EA License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A).....	2,766.70	
23 09 23 53-0477 EA License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB).....	1,980.57	
23 09 23 53-0478 EA License To Enable 4 TX-I/O Modules On The Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A).....	1,702.60	
23 09 23 53-0479 EA License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP).....	5,033.64	
23 09 23 53-0480 EA 16-Switch HOA Upgrade Kit (Siemens PXA16-M).....	795.86	1.93
23 09 23 53-0481 EA 16-Switch HOA Upgrade Kit (Extended Temp. UL 916) With HMI Cable (Siemens PXA16-MR).....	888.74	7.70
23 09 23 53-0482 EA 8-Switch HOA Upgrade Kit (Siemens PXA8-M).....	448.04	1.93
23 09 23 53-0483 EA 18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18).....	447.61	19.24
23 09 23 53-0484 EA 19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19).....	781.44	19.24
23 09 23 53-0485 EA 34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34).....	1,074.61	19.24
23 09 23 53-0486 EA Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5).....	35.33	9.63
23 09 23 53-0487 EA 115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA).....	969.78	48.12
23 09 23 53-0488 EA 115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA).....	1,447.50	48.12
23 09 23 53-0489 EA 230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA).....	1,145.78	48.12
23 09 23 53-0490 EA 230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA).....	1,648.67	48.12
23 09 23 53-0491 EA PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A).....	6,871.08	538.94
23 09 23 53-0492 EA PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A).....	6,207.39	153.99
23 09 23 53-0493 EA Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A).....	9,291.39	615.93
23 09 23 53-0494 EA 16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A).....	3,064.26	288.72
23 09 23 53-0495 EA 16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A).....	3,405.30	288.72
23 09 23 53-0496 EA 16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A).....	3,179.33	288.72
23 09 23 53-0497 EA 24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A).....	3,958.77	307.96
23 09 23 53-0498 EA 24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A).....	4,194.25	307.96
23 09 23 53-0499 EA 24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A).....	4,135.83	307.96
23 09 23 53-0500 EA 24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A).....	4,346.82	307.96
23 09 23 53-0501 EA 24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A).....	4,130.51	307.96
23 09 23 53-0502 EA 24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A).....	4,345.37	307.96
23 09 23 53-0503 EA 36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A).....	6,346.10	538.94
23 09 23 53-0504 EA 36 Point, BACnet/IP or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A).....	10,486.76	615.93
23 09 23 53-0505 EA License To Enable The Island Bus On PXC00-E96.A And PXC00-PE96.A (Siemens PXF-TXIO.A).....	1,277.20	
23 09 23 53-0506 EA Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S).....	640.70	38.50
23 09 23 53-0507 EA Controller Mounted Operator Display Module (Siemens PXM10T).....	695.26	76.99
23 09 23 53-0508 EA Provides FLN Support For The PXC Modular (Siemens PXX-485.3).....	819.95	19.24
Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported		
23 09 23 53-0509 EA Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN).....	364.59	55.44

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 09 23 53-0510	EA	Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC) .....	259.95	30.80
23 09 23 53-0511	EA	4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010) .....	155.89	30.80
23 09 23 53-0512	EA	8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020) .....	182.21	55.44
23 09 23 53-0513	EA	24" Flexible Averaging Probe (Siemens QAM2012.750) .....	324.23	55.44
23 09 23 53-0514	EA	2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200) .....	243.89	55.44
23 09 23 53-0515	EA	10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X) .....	3,300.75	310.08
23 09 23 53-0516	EA	Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12) .....	31.73	9.63
23 09 23 53-0517	EA	Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100) .....	0.84	
23 09 23 53-0518	EA	16 Digital Input Module (Siemens TXM1.16D) .....	651.08	9.63
23 09 23 53-0519	EA	6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M) .....	976.46	9.63
23 09 23 53-0520	EA	8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML) .....	1,557.14	19.24
23 09 23 53-0521	EA	1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4) .....	532.26	30.80

**23 09 23 53-0522 Trane Controls (23 09 23 53)****23 09 23 53-0523 Software (23 09 23 53-0522)**

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0524	EA	Summit + Building Management Package (Trane 40201152) .....	7,195.64	
23 09 23 53-0525	EA	Summit Current Version Software (Trane 40201111) .....	4,031.18	
23 09 23 53-0526	EA	Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113) .....	991.92	
23 09 23 53-0527	EA	Rover Service Software And Hardware, Complete Kit (Trane X1365150001) .....	4,006.35	
23 09 23 53-0528	EA	Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMS000AAA011000) .....	11,204.11	

**23 09 23 53-0529 EMCS Central Equipment And Controllers (23 09 23 53-0522)**

23 09 23 53-0530	EA	Summit BTMX Operator Display Upgrade (Trane 40201224) .....	5,519.01	384.95
23 09 23 53-0531	EA	Summit BTMX Retrofit Kit For BMTS And BMW BCU (Trane 49500531) .....	13,569.26	384.95
23 09 23 53-0532	EA	Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532) .....	13,569.26	384.95
23 09 23 53-0533	EA	Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00) .....	11,821.27	384.95
23 09 23 53-0534	EA	Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10) .....	13,853.64	384.95
23 09 23 53-0535	EA	Summit CCP Upgrade ROM Kit (Trane 40201095) .....	197.42	24.06
23 09 23 53-0536	EA	Summit Comm5 Repeater (Trane 49500457) .....	1,515.86	192.48
23 09 23 53-0537	EA	AHU Controller MP580/581 E Board Only (Trane 40201157) .....	2,666.47	240.59
23 09 23 53-0538	EA	AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01) .....	3,442.38	288.72
23 09 23 53-0539	EA	AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00) .....	2,634.65	288.72
23 09 23 53-0540	EA	AHU Controller MP581 Operator Door Display (Trane 40201156) .....	2,178.94	288.72
23 09 23 53-0541	EA	AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491) .....	2,176.39	288.72
23 09 23 53-0542	EA	Controller MP503 I/O Module With Metal Enclosure (Trane 49500590) .....	1,017.71	96.24
23 09 23 53-0543	EA	Controller MP503 I/O Module With Plastic Cover (Trane 49500490) .....	917.31	96.24
23 09 23 53-0544	EA	Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500) .....	1,633.91	192.48
23 09 23 53-0545	EA	Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499) .....	1,550.65	192.48
23 09 23 53-0546	EA	2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569) .....	880.53	96.24
23 09 23 53-0547	EA	2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469) .....	759.63	96.24
23 09 23 53-0548	EA	4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596) .....	1,178.02	96.24
23 09 23 53-0549	EA	4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496) .....	1,057.78	96.24
23 09 23 53-0550	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500499) .....	891.29	96.24
23 09 23 53-0551	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496) .....	845.11	96.24
23 09 23 53-0552	EA	Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570) .....	986.90	96.24
23 09 23 53-0553	EA	Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470) .....	891.29	96.24
23 09 23 53-0554	EA	DDC VAV Retrofit Kit (Trane VRTODD01) .....	1,178.96	192.48
23 09 23 53-0555	EA	DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO) .....	1,297.86	192.48

**23 09 23 53-0556 Network, VAV And Special Sensors (23 09 23 53-0522)**

23 09 23 53-0557	EA	Digital Display Zone Sensor (Trane X13790464010) .....	213.98	30.80
23 09 23 53-0558	EA	Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010) .....	136.10	30.80
23 09 23 53-0559	EA	Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010) .....	122.97	30.80
23 09 23 53-0560	EA	Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01) .....	265.84	34.65
23 09 23 53-0561	EA	Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121) .....	154.05	30.80
23 09 23 53-0562	EA	Zone Sensor LCD O/C Setpoint (Trane 41901120) .....	154.05	30.80
23 09 23 53-0563	EA	Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010) .....	571.14	55.44
23 09 23 53-0564	EA	Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010) .....	535.82	30.80
23 09 23 53-0565	EA	Transformer 120/24 40 VA (Trane X13550284010) .....	116.40	30.80
23 09 23 53-0566	EA	Transformer 24 Volt AC Wall Plug-In (Trane 35803005) .....	111.71	30.80
23 09 23 53-0567	EA	Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022) .....	104.20	30.80
23 09 23 53-0568	EA	Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010) .....	1,346.92	192.48
23 09 23 53-0569	EA	Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010) .....	1,282.77	192.48
23 09 23 53-0570	EA	Controller UC400 XM32 Module (4 Relay) (Trane X13651563010) .....	1,148.91	192.48
23 09 23 53-0571	EA	Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010) .....	2,105.25	288.72
23 09 23 53-0572	EA	Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010) .....	1,148.91	192.48
23 09 23 53-0573	EA	Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011) .....	1,216.81	192.48
23 09 23 53-0574	EA	Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011) .....	1,222.10	192.48
23 09 23 53-0575	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898) .....	416.02	191.66
23 09 23 53-0576	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801) .....	642.00	191.66
23 09 23 53-0577	EA	Controller Tracer UC600 Controller (Trane BMUC600AAA0100011) .....	2,389.55	288.72
23 09 23 53-0578	EA	Controller UC600 Tracer TD7 Display (Trane X13651571010) .....	2,286.34	288.72
23 09 23 53-0579	EA	Controller UC600 TD7 Mounting Bracket (Trane X05010511010) .....	139.86	38.36
23 09 23 53-0580	EA	Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010) .....	539.22	38.36
23 09 23 53-0581	EA	SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010) .....	2,453.36	288.72



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0582 EA BACnet Term (2 Pack) (Trane X1365152401).....	218.32	69.00
23 09 23 53-0583 EA Tracer ES Add License (Trane X40250125010).....	2,904.12	
23 09 23 53-0584 EA Kit - Tracer TU For Controls (Trane X4509151201).....	4,639.97	384.95
23 09 23 53-0585 EA Kit - Tracer TU Complete (Trane X4509151301).....	6,212.56	384.95
23 09 23 53-0586 EA Tracer TU Adapter Wired/Wireless (Trane X13651529010).....	616.16	69.00
23 09 23 53-0587 EA Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010).....	339.36	69.00
23 09 23 53-0588 EA Sensor Wireless Display Sensor ( Trane X13790822010).....	388.16	69.00
23 09 23 53-0589 EA Sensor Wireless Receiver, 100mW (Trane X13790854010).....	344.00	69.00
23 09 23 53-0590 EA Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010).....	479.04	69.00
23 09 23 53-0591 EA Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010).....	525.01	69.00
<b>23 09 23 53-0592</b>	<b>Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators</b> <small>(23 09 23 53)</small>	
<b>23 09 23 53-0593</b>	<b>Current Switches And Current Sensors</b> <small>(23 09 23 53-0592)</small>	
23 09 23 53-0594 EA Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203).....	125.78	30.80
23 09 23 53-0595 EA Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205).....	131.41	30.80
23 09 23 53-0596 EA 0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L).....	213.98	30.80
23 09 23 53-0597 EA 0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24).....	118.28	30.80
23 09 23 53-0598 EA 0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA).....	405.39	30.80
23 09 23 53-0599 EA 0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC).....	251.27	30.80
23 09 23 53-0600 EA 1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709).....	186.94	30.80
23 09 23 53-0601 EA 0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721).....	186.94	30.80
23 09 23 53-0602 EA Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC).....	5,454.47	153.99
23 09 23 53-0603 EA 100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2).....	1,391.92	30.80
Note: 3 phase networked transducer.		
23 09 23 53-0604 EA 2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3).....	2,126.24	30.80
23 09 23 53-0605 EA Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV).....	202.05	30.80
23 09 23 53-0606 EA Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800).....	278.21	81.81
23 09 23 53-0607 EA Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900).....	278.66	81.81
23 09 23 53-0608 EA Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708).....	301.18	81.81
23 09 23 53-0609 EA Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908).....	306.81	81.81
23 09 23 53-0610 EA Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904).....	338.71	81.81
23 09 23 53-0611 EA Toggle Switch.....	110.51	38.50
23 09 23 53-0612 EA Maintained Pushbutton Switch.....	119.70	38.50
23 09 23 53-0613 EA Manual Time Switch.....	206.38	38.50
23 09 23 53-0614 EA Emergency Stop Switch.....	361.36	38.50
23 09 23 53-0615 EA Float Switch.....	323.01	38.50
23 09 23 53-0616 EA Break Glass Switch.....	1,145.36	38.50
23 09 23 53-0617 EA Boiler E-Stop Switch.....	650.07	38.50
<b>23 09 23 53-0618</b>	<b>Relays</b> <small>(23 09 23 53-0592)</small>	
23 09 23 53-0619 EA DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V).....	100.45	30.80
23 09 23 53-0620 EA SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1).....	111.99	30.80
23 09 23 53-0621 EA SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B).....	161.66	38.50
Note: Box type.		
23 09 23 53-0622 EA Motor Starter Interface, 300msec Pulse (Kele PIL-2).....	215.52	30.80
23 09 23 53-0623 EA DP Relay Socket, DIN Rail Mounted (Kele SH2B-05).....	92.08	30.80
23 09 23 53-0624 EA SP Relay Socket, DIN Rail Mounted (Kele SH1B-05).....	90.39	30.80
23 09 23 53-0625 EA SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V).....	100.45	30.80
23 09 23 53-0626 EA DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V).....	105.72	30.80
23 09 23 53-0627 EA SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V).....	107.17	30.80
23 09 23 53-0628 EA SPDT Pilot Relay, Universal (Kele RIBU1C).....	113.04	38.50
Note: Box type.		
23 09 23 53-0629 EA SPST Pilot Relay With HOA Switch (Kele RIBU1S).....	160.14	38.50
Note: Box type.		
23 09 23 53-0630 EA SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400).....	305.41	38.50
23 09 23 53-0631 EA SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450).....	303.32	38.50
<b>23 09 23 53-0632</b>	<b>Transformers</b> <small>(23 09 23 53-0592)</small>	
23 09 23 53-0633 EA 50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA).....	124.54	30.80
23 09 23 53-0634 EA 75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB).....	137.64	30.80
23 09 23 53-0635 EA 75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA).....	137.64	30.80
23 09 23 53-0636 EA 100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB).....	149.50	30.80
23 09 23 53-0637 EA 100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA).....	156.80	30.80
<b>23 09 23 53-0638</b>	<b>Power Supplies</b> <small>(23 09 23 53-0592)</small>	
23 09 23 53-0639 EA Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA).....	198.24	30.80
23 09 23 53-0640 EA AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2).....	234.59	30.80
23 09 23 53-0641 EA DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524).....	218.20	30.80
23 09 23 53-0642 EA DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D).....	225.95	30.80
23 09 23 53-0643 EA DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H).....	219.05	30.80
23 09 23 53-0644 EA DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P).....	230.61	30.80
23 09 23 53-0645 EA DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C).....	166.99	30.80

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 09 23 53-0646		Control Damper Actuators <small>(23 09 23 53-0592)</small>	
23 09 23 53-0647	EA	44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR) .....	481.67 93.39
23 09 23 53-0648	EA	90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR) .....	521.23 93.39
23 09 23 53-0649	EA	90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP) .....	586.05 93.39
23 09 23 53-0650	EA	175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR) .....	617.02 93.39
23 09 23 53-0651	EA	90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR) .....	635.40 93.39
23 09 23 53-0652	EA	360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR) .....	707.67 93.39

**23 09 43 Pneumatic Control System For HVAC (23 09)**

23 09 43 00-0001		Pneumatic Tubing For HVAC Instrumentation and Control Devices <small>(23 09 43)</small>	
23 09 43 00-0002		Polyurethane Pneumatic Tubing <small>(23 09 43 00-0001)</small>	
23 09 43 00-0003	LF	1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing .....	2.27 0.87
23 09 43 00-0004	LF	5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing .....	2.92 0.89
23 09 43 00-0005	LF	3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing .....	3.87 0.92
23 09 43 00-0006	LF	1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing .....	4.95 0.95
23 09 43 00-0007		Fire Resistant Polyethylene Pneumatic Tubing <small>(23 09 43 00-0001)</small>	
23 09 43 00-0008	LF	1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing .....	2.00 0.87
23 09 43 00-0009	LF	5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing .....	2.17 0.89
23 09 43 00-0010	LF	3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing .....	2.50 0.92
23 09 43 00-0011	LF	1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing .....	3.15 0.95
23 09 43 00-0012		Nylon Pneumatic Tubing <small>(23 09 43 00-0001)</small>	
23 09 43 00-0013	LF	1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing .....	2.41 0.84
23 09 43 00-0014	LF	1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing .....	3.24 0.87
23 09 43 00-0015	LF	3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing .....	4.98 0.92
23 09 43 00-0016	LF	1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing .....	6.44 0.95
23 09 43 00-0017		Flexible Vinyl Pneumatic Tubing <small>(23 09 43 00-0001)</small>	
23 09 43 00-0018	LF	1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing .....	2.34 0.87
23 09 43 00-0019	LF	3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing .....	3.90 0.92
23 09 43 00-0020	LF	1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing .....	4.73 0.95
23 09 43 00-0021	LF	5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing .....	5.80 0.97
23 09 43 00-0022	LF	3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing .....	6.58 1.00
23 09 43 00-0023	LF	1" Outside Diameter Flexible Vinyl Pneumatic Tubing .....	9.10 1.02
23 09 43 00-0024		Braided Vinyl Pneumatic Tubing <small>(23 09 43 00-0001)</small>	
23 09 43 00-0025	LF	5/8" Outside Diameter Braided Vinyl Pneumatic Tubing .....	3.22 0.97
23 09 43 00-0026	LF	3/4" Outside Diameter Braided Vinyl Pneumatic Tubing .....	3.77 1.00
23 09 43 00-0027	LF	1" Outside Diameter Braided Vinyl Pneumatic Tubing .....	4.77 1.02
23 09 43 00-0028		Copper Pneumatic Tubing <small>(23 09 43 00-0001)</small>	
23 09 43 00-0029	LF	1/4" Outside Diameter Copper Pneumatic Tubing .....	5.11 1.87
23 09 43 00-0030	LF	3/8" Outside Diameter Copper Pneumatic Tubing .....	6.30 2.15
23 09 43 00-0031	LF	1/2" Outside Diameter Copper Pneumatic Tubing .....	7.32 2.47
23 09 43 00-0032	LF	5/8" Outside Diameter Copper Pneumatic Tubing .....	9.17 2.85
23 09 43 00-0033	LF	3/4" Outside Diameter Copper Pneumatic Tubing .....	10.41 3.27
23 09 43 00-0034		Brass Couplings <small>(23 09 43 00-0001)</small>	
23 09 43 00-0035		Straight Brass Couplings <small>(23 09 43 00-0034)</small>	
Note: Barb x Barb			
23 09 43 00-0036	EA	1/4" x 1/4" Straight Brass Coupling .....	10.13 4.72
23 09 43 00-0037	EA	3/8" x 1/4" Straight Brass Coupling .....	10.25 4.72
23 09 43 00-0038	EA	3/8" x 3/8" Straight Brass Coupling .....	10.36 4.72
23 09 43 00-0039		Elbow Brass Couplings <small>(23 09 43 00-0034)</small>	
Note: Barb x Barb			
23 09 43 00-0040	EA	1/4" x 1/4" Elbow Brass Coupling .....	10.78 4.72
23 09 43 00-0041	EA	3/8" x 3/8" Elbow Brass Coupling .....	11.17 4.72
23 09 43 00-0042		Tee Brass Couplings <small>(23 09 43 00-0034)</small>	
Note: Barb x Barb			
23 09 43 00-0043	EA	1/4" x 1/4" x 1/4" Tee Brass Coupling .....	16.45 7.33





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 43 00-0044 EA 3/8" x 3/8" x 1/4" Tee Brass Coupling.....	18.91	7.85
23 09 43 00-0045 EA 3/8" x 3/8" x 3/8" Tee Brass Coupling.....	18.49	7.85

## 23 10 Facility Fuel Systems <sup>(23)</sup>

### 23 11 Facility Fuel Piping <sup>(23 10)</sup>

#### 23 11 23 Facility Natural-Gas Piping <sup>(23 11)</sup>

See CSI section 23 21 13 23-0001 for threaded black steel pipe, 33 52 16 00-0000 for underground MDPE and HDPE pipe.

#### 23 11 23 00-0001 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping <sup>(23 11 23)</sup>

#### 23 11 23 00-0002 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <sup>(23 11 23 00-0001)</sup>

Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.

23 11 23 00-0003 LF 3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	5.57	1.84
23 11 23 00-0004 LF 1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	6.12	1.99
23 11 23 00-0005 LF 3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	7.33	2.15
23 11 23 00-0006 LF 1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	9.24	2.28
23 11 23 00-0007 LF 1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	10.89	2.39
23 11 23 00-0008 LF 1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	16.51	2.49
23 11 23 00-0009 LF 2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	22.35	2.65

#### 23 11 23 00-0010 Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <sup>(23 11 23 00-0001)</sup>

#### 23 11 23 00-0011 Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <sup>(23 11 23 00-0010)</sup>

23 11 23 00-0012 EA 3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	26.62
23 11 23 00-0013 EA 3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	26.62
23 11 23 00-0014 EA 1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	28.52
23 11 23 00-0015 EA 1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	28.52
23 11 23 00-0016 EA 3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.25
23 11 23 00-0017 EA 1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	47.02
23 11 23 00-0018 EA 1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	47.02
23 11 23 00-0019 EA 1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	79.59
23 11 23 00-0020 EA 1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	145.32
23 11 23 00-0021 EA 2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	235.02

#### 23 11 23 00-0022 Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <sup>(23 11 23 00-0010)</sup>

23 11 23 00-0023 EA 3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	25.79
23 11 23 00-0024 EA 1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	28.52
23 11 23 00-0025 EA 1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	28.52
23 11 23 00-0026 EA 3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.25
23 11 23 00-0027 EA 3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.25
23 11 23 00-0028 EA 1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	44.97
23 11 23 00-0029 EA 1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	44.97

#### 23 11 23 00-0030 Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <sup>(23 11 23 00-0010)</sup>

23 11 23 00-0031 EA 3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.75
23 11 23 00-0032 EA 1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.72

#### 23 11 23 00-0033 Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <sup>(23 11 23 00-0010)</sup>

23 11 23 00-0034 EA 3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	35.66
23 11 23 00-0035 EA 1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	39.54
23 11 23 00-0036 EA 3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	49.58
23 11 23 00-0037 EA 1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	70.92
23 11 23 00-0038 EA 1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	132.44
23 11 23 00-0039 EA 1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	258.11
23 11 23 00-0040 EA 2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	428.30

#### 23 11 23 00-0041 Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <sup>(23 11 23 00-0010)</sup>

23 11 23 00-0042 EA 1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	49.32
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**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0043 EA 3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	79.14	
23 11 23 00-0044 EA 1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	125.12	
23 11 23 00-0045 EA 1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	214.96	
23 11 23 00-0046 EA 1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	231.12	
23 11 23 00-0047 EA 2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	265.30	
<b>23 11 23 00-0048 Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0049 EA 3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.04	
23 11 23 00-0050 EA 1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	33.13	
23 11 23 00-0051 EA 3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.04	
23 11 23 00-0052 EA 1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	48.38	
23 11 23 00-0053 EA 1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	49.08	
<b>23 11 23 00-0054 Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0055 EA 3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	35.29	
23 11 23 00-0056 EA 1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.24	
23 11 23 00-0057 EA 3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	42.63	
23 11 23 00-0058 EA 1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	50.22	
23 11 23 00-0059 EA 1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	50.22	
<b>23 11 23 00-0060 Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0061 EA 3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	55.53	
23 11 23 00-0062 EA 1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	56.94	
23 11 23 00-0063 EA 3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	59.71	
23 11 23 00-0064 EA 1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	94.61	
23 11 23 00-0065 EA 1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	98.20	
23 11 23 00-0066 EA 1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	141.42	
23 11 23 00-0067 EA 2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	175.74	
<b>23 11 23 00-0068 Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0069 EA 3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	58.67	
23 11 23 00-0070 EA 1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	60.02	
23 11 23 00-0071 EA 3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	66.18	
23 11 23 00-0072 EA 1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	119.35	
23 11 23 00-0073 EA 1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	123.15	
23 11 23 00-0074 EA 1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	169.23	
23 11 23 00-0075 EA 2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	213.42	
<b>23 11 23 00-0076 Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0077 EA 1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	33.97	
23 11 23 00-0078 EA 3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	36.66	
23 11 23 00-0079 EA 1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	55.59	
23 11 23 00-0080 EA 1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	85.39	
23 11 23 00-0081 EA 1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	165.59	
23 11 23 00-0082 EA 2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	263.43	
<b>23 11 23 00-0083 Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
Note: Includes mounting plate.		
23 11 23 00-0084 EA 1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	29.30	
23 11 23 00-0085 EA 3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	31.94	
23 11 23 00-0086 EA 1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.33	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0087	EA			1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 29.43	29.43	
23 11 23 00-0088	EA			3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 30.69	30.69	
23 11 23 00-0089	EA			1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 36.46	36.46	
23 11 23 00-0090	EA			1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 43.84	43.84	
<b>23 11 23 00-0091</b>				<b>Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
				Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092	EA			1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 82.75	82.75	19.29
23 11 23 00-0093	EA			3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 93.46	93.46	20.24
<b>23 11 23 00-0094</b>				<b>Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0095	EA			3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 59.39	59.39	16.88
23 11 23 00-0096	EA			1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 69.11	69.11	20.05
23 11 23 00-0097	EA			3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 84.80	84.80	24.11
23 11 23 00-0098	EA			1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 106.11	106.11	32.20
<b>23 11 23 00-0099</b>				<b>Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
				Note: Includes mounting hardware.		
23 11 23 00-0100	EA			1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 72.94	72.94	20.05
23 11 23 00-0101	EA			3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 82.79	82.79	24.11
23 11 23 00-0102	EA			1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 78.12	78.12	20.05
23 11 23 00-0103	EA			3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 86.15	86.15	24.11
23 11 23 00-0104	EA			2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 164.42	164.42	60.27
<b>23 11 23 00-0105</b>				<b>Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0106	EA			1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 77.13	77.13	20.05
23 11 23 00-0107	EA			1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 77.13	77.13	20.05
23 11 23 00-0108	EA			1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 108.09	108.09	20.05
23 11 23 00-0109	EA			3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 116.12	116.12	24.11
23 11 23 00-0110	EA			3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 116.12	116.12	24.11
23 11 23 00-0111	EA			1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 132.19	132.19	32.20
23 11 23 00-0112	EA			1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 197.59	197.59	36.16
23 11 23 00-0113	EA			1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 102.61	102.61	20.05
23 11 23 00-0114	EA			3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 256.33	256.33	24.11
23 11 23 00-0115	EA			1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ..... 623.13	623.13	36.16
<b>23 11 23 00-0116</b>				<b>Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft)</b> <small>(23 11 23)</small>		
<b>23 11 23 00-0117</b>				<b>3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0118	EA			12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12) ..... 46.04	46.04	14.47
23 11 23 00-0119	EA			18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18) ..... 51.12	51.12	15.42
23 11 23 00-0120	EA			24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24) ..... 55.98	55.98	15.42
23 11 23 00-0121	EA			30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30) ..... 58.92	58.92	16.39
23 11 23 00-0122	EA			36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36) ..... 62.75	62.75	16.39
23 11 23 00-0123	EA			48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48) ..... 71.75	71.75	17.36
23 11 23 00-0124	EA			60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60) ..... 79.91	79.91	17.36
23 11 23 00-0125	EA			72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72) ..... 87.96	87.96	18.32
<b>23 11 23 00-0126</b>				<b>3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0127	EA			12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12) ..... 46.04	46.04	14.47
23 11 23 00-0128	EA			18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18) ..... 51.12	51.12	15.42

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0129 EA 24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24).....	55.98	15.42
23 11 23 00-0130 EA 30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30).....	58.92	16.39
23 11 23 00-0131 EA 36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36).....	62.75	16.39
23 11 23 00-0132 EA 48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48).....	71.75	17.36
23 11 23 00-0133 EA 60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60).....	79.91	17.36
23 11 23 00-0134 EA 72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72).....	87.96	18.32
<b>23 11 23 00-0135 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>		
23 11 23 00-0136 EA 12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12).....	46.04	14.47
23 11 23 00-0137 EA 18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18).....	51.12	15.42
23 11 23 00-0138 EA 24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24).....	55.98	15.42
23 11 23 00-0139 EA 30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30).....	58.92	16.39
23 11 23 00-0140 EA 36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36).....	62.75	16.39
23 11 23 00-0141 EA 48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48).....	71.75	17.36
23 11 23 00-0142 EA 60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60).....	79.91	17.36
23 11 23 00-0143 EA 72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72).....	87.96	18.32
<b>23 11 23 00-0144 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>		
23 11 23 00-0145 EA 12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12).....	46.04	14.47
23 11 23 00-0146 EA 18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18).....	51.12	15.42
23 11 23 00-0147 EA 24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24).....	68.98	15.42
23 11 23 00-0148 EA 30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30).....	58.92	16.39
23 11 23 00-0149 EA 36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36).....	62.75	16.39
23 11 23 00-0150 EA 48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48).....	71.75	17.36
23 11 23 00-0151 EA 60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60).....	79.91	17.36
23 11 23 00-0152 EA 72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72).....	87.96	18.32
<b>23 11 23 00-0153 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>		
23 11 23 00-0154 EA 12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12).....	51.05	14.47
23 11 23 00-0155 EA 18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18).....	57.34	15.42
23 11 23 00-0156 EA 24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24).....	55.98	15.42
23 11 23 00-0157 EA 30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30).....	66.86	16.39
23 11 23 00-0158 EA 36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36).....	62.75	16.39
23 11 23 00-0159 EA 48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48).....	71.75	17.36
23 11 23 00-0160 EA 60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60).....	79.91	17.36
23 11 23 00-0161 EA 72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72).....	87.96	18.32
<b>23 11 23 00-0162 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>		
23 11 23 00-0163 EA 12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12).....	46.04	14.47
23 11 23 00-0164 EA 24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24).....	63.34	15.42
23 11 23 00-0165 EA 30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30).....	58.92	16.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0166 EA 36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36).....	62.75	16.39
23 11 23 00-0167 EA 48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48).....	71.75	17.36
23 11 23 00-0168 EA 60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60).....	93.16	17.36
23 11 23 00-0169 EA 72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72).....	87.96	18.32
<b>23 11 23 00-0170 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>		
23 11 23 00-0171 EA 12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12).....	46.04	14.47
23 11 23 00-0172 EA 18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18).....	51.12	15.42
23 11 23 00-0173 EA 24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24).....	55.98	15.42
23 11 23 00-0174 EA 30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30).....	58.92	16.39
23 11 23 00-0175 EA 36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36).....	62.75	16.39
23 11 23 00-0176 EA 48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48).....	71.75	17.36
23 11 23 00-0177 EA 60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60).....	79.91	17.36
23 11 23 00-0178 EA 72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72).....	87.96	18.32
<b>23 11 23 00-0179 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>		
23 11 23 00-0180 EA 12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12).....	46.04	14.47
23 11 23 00-0181 EA 18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18).....	51.12	15.42
23 11 23 00-0182 EA 24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24).....	55.98	15.42
23 11 23 00-0183 EA 30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30).....	58.92	16.39
23 11 23 00-0184 EA 36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36).....	62.75	16.39
23 11 23 00-0185 EA 48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48).....	71.75	17.36
23 11 23 00-0186 EA 60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60).....	79.91	17.36
23 11 23 00-0187 EA 72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72).....	87.96	18.32
<b>23 11 23 00-0188 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>		
23 11 23 00-0189 EA 18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18).....	57.34	15.42
23 11 23 00-0190 EA 24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24).....	55.98	15.42
23 11 23 00-0191 EA 30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30).....	66.86	16.39
23 11 23 00-0192 EA 36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36).....	71.54	16.39
23 11 23 00-0193 EA 48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48).....	82.91	17.36
<b>23 11 23 00-0194 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>		
23 11 23 00-0195 EA 12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12).....	46.04	14.47
23 11 23 00-0196 EA 18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18).....	51.12	15.42
23 11 23 00-0197 EA 24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24).....	50.77	15.42
23 11 23 00-0198 EA 30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30).....	58.92	16.39
23 11 23 00-0199 EA 36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36).....	56.53	16.39
23 11 23 00-0200 EA 48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48).....	73.65	17.36
23 11 23 00-0201 EA 60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60).....	79.91	17.36
23 11 23 00-0202 EA 72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72).....	87.96	18.32

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 11 23 00-0203		<b>1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0204	EA	12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12)	46.04	14.47
23 11 23 00-0205	EA	18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18)	46.88	15.42
23 11 23 00-0206	EA	24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24)	47.90	15.42
23 11 23 00-0207	EA	30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30)	58.92	16.39
23 11 23 00-0208	EA	36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36)	62.75	16.39
23 11 23 00-0209	EA	48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48)	63.63	17.36
23 11 23 00-0210	EA	60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60)	79.91	17.36
23 11 23 00-0211	EA	72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72)	87.96	18.32
23 11 23 00-0212		<b>1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0213	EA	12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12)	46.04	14.47
23 11 23 00-0214	EA	18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18)	51.12	15.42
23 11 23 00-0215	EA	24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24)	55.98	15.42
23 11 23 00-0216	EA	30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30)	58.92	16.39
23 11 23 00-0217	EA	36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36)	52.21	16.39
23 11 23 00-0218	EA	48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48)	71.75	17.36
23 11 23 00-0219	EA	60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60)	79.91	17.36
23 11 23 00-0220	EA	72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72)	87.96	18.32
23 11 23 00-0221		<b>3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0222	EA	12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12)	63.89	14.47
23 11 23 00-0223	EA	18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18)	68.93	15.42
23 11 23 00-0224	EA	24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24)	73.79	15.42
23 11 23 00-0225	EA	30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30)	76.71	16.39
23 11 23 00-0226	EA	36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36)	80.71	16.39
23 11 23 00-0227	EA	48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48)	89.15	17.36
23 11 23 00-0228	EA	60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60)	98.03	17.36
23 11 23 00-0229	EA	72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72)	106.11	18.32
23 11 23 00-0230		<b>3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0231	EA	12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12)	73.54	19.29
23 11 23 00-0232	EA	18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18)	78.57	20.24
23 11 23 00-0233	EA	24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24)	83.43	20.24
23 11 23 00-0234	EA	30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30)	86.36	21.21
23 11 23 00-0235	EA	36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36)	90.34	21.21
23 11 23 00-0236	EA	48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48)	98.80	22.18
23 11 23 00-0237	EA	60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60)	107.67	22.18
23 11 23 00-0238	EA	72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72)	115.75	23.14



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0239		<b>3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0240	EA	12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....	73.54	19.29
23 11 23 00-0241	EA	18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18).....	78.57	20.24
23 11 23 00-0242	EA	24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24).....	83.43	20.24
23 11 23 00-0243	EA	30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30).....	86.36	21.21
23 11 23 00-0244	EA	36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36).....	90.34	21.21
23 11 23 00-0245	EA	48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48).....	98.80	22.18
23 11 23 00-0246	EA	60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60).....	107.67	22.18
23 11 23 00-0247	EA	72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72).....	115.75	23.14
23 11 23 00-0248		<b>3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0249	EA	12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....	88.04	19.29
23 11 23 00-0250	EA	18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18).....	93.08	20.24
23 11 23 00-0251	EA	24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24).....	97.94	20.24
23 11 23 00-0252	EA	30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30).....	100.87	21.21
23 11 23 00-0253	EA	36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36).....	104.87	21.21
23 11 23 00-0254	EA	48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48).....	113.32	22.18
23 11 23 00-0255	EA	60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60).....	122.19	22.18
23 11 23 00-0256		<b>3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0257	EA	12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12).....	88.04	19.29
23 11 23 00-0258	EA	18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18).....	93.08	20.24
23 11 23 00-0259	EA	24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24).....	97.94	20.24
23 11 23 00-0260	EA	36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36).....	104.87	21.21
23 11 23 00-0261	EA	48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48).....	113.32	22.18
23 11 23 00-0262	EA	60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60).....	122.19	22.18
23 11 23 00-0263		<b>1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0264	EA	12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12).....	88.04	19.29
23 11 23 00-0265	EA	18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18).....	93.08	20.24
23 11 23 00-0266	EA	24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24).....	97.94	20.24
23 11 23 00-0267	EA	30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30).....	100.87	21.21
23 11 23 00-0268	EA	36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36).....	104.87	21.21
23 11 23 00-0269	EA	48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48).....	113.32	22.18
23 11 23 00-0270	EA	60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60).....	122.19	22.18
23 11 23 00-0271	EA	72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72).....	130.26	23.14
23 11 23 00-0272		<b>1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0273	EA	12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12).....	69.71	19.29
23 11 23 00-0274	EA	18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18).....	74.77	20.24

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0275 EA 24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24).....	79.65	20.24
23 11 23 00-0276 EA 30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30).....	82.54	21.21
23 11 23 00-0277 EA 36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36).....	86.54	21.21
23 11 23 00-0278 EA 48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48).....	94.97	22.18
23 11 23 00-0279 EA 72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72).....	111.89	23.14
<b>23 11 23 00-0280 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <sup>(23 11 23 00-0116)</sup></b>		
23 11 23 00-0281 EA 18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18).....	85.09	20.24
23 11 23 00-0282 EA 24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24).....	91.11	20.24
<b>23 11 23 00-0283 Quarter-Turn, Gas Ball Valve <sup>(23 11 23)</sup></b>		
23 11 23 00-0284 EA 3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102).....	40.56	10.26
23 11 23 00-0285 EA 1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103).....	40.13	10.47
23 11 23 00-0286 EA 3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104).....	58.70	11.52
23 11 23 00-0287 EA 3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112).....	40.12	10.26
23 11 23 00-0288 EA 1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113).....	42.21	10.47
23 11 23 00-0289 EA 1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118).....	48.35	10.47
23 11 23 00-0290 EA 5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121).....	51.62	10.99
23 11 23 00-0291 EA 5/8" (7/8"-14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114).....	54.75	10.99
23 11 23 00-0292 EA 5/8" (15/16"-16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115).....	54.75	10.99
23 11 23 00-0293 EA 3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312).....	42.46	10.26
23 11 23 00-0294 EA 1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313).....	44.55	10.47
23 11 23 00-0295 EA 5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314).....	56.40	10.99
23 11 23 00-0296 EA 1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413).....	44.86	10.47
23 11 23 00-0297 EA 3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414).....	60.46	11.52
23 11 23 00-0298 EA 3/8" (9/16"-24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119).....	42.34	10.26
23 11 23 00-0299 EA 3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612).....	39.81	10.26
23 11 23 00-0300 EA 1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613).....	40.11	10.47
23 11 23 00-0301 EA 3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614).....	55.33	11.52
23 11 23 00-0302 EA 1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615).....	76.75	13.09
23 11 23 00-0303 EA 1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616).....	112.81	13.61
23 11 23 00-0304 EA 1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617).....	134.88	15.71
23 11 23 00-0305 EA 2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618).....	167.76	18.84
23 11 23 00-0306 EA 1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713).....	41.47	10.47
23 11 23 00-0307 EA 3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714).....	54.92	11.52
<b>23 11 23 00-0308 Gas Stops <sup>(23 11 23)</sup></b>		
<b>23 11 23 00-0309 Brass/Bronze Gas Stops <sup>(23 11 23 00-0308)</sup></b>		
Note: Flat or square head		
23 11 23 00-0310 EA 3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	48.41	10.47
23 11 23 00-0311 EA 1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	48.38	10.47
23 11 23 00-0312 EA 3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	63.45	11.52
23 11 23 00-0313 EA 1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	89.64	13.09
23 11 23 00-0314 EA 1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	119.41	13.93
23 11 23 00-0315 EA 1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	150.81	16.12
23 11 23 00-0316 EA 2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	209.95	19.05
<b>23 11 23 00-0317 Iron Body Gas Stops <sup>(23 11 23 00-0308)</sup></b>		
23 11 23 00-0318 EA 1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	65.78	10.47
23 11 23 00-0319 EA 3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	80.56	11.52
23 11 23 00-0320 EA 1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	99.96	13.09
23 11 23 00-0321 EA 1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	129.44	13.93
23 11 23 00-0322 EA 1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	163.40	16.12
23 11 23 00-0323 EA 2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	212.81	19.05
23 11 23 00-0324 EA 2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	415.59	25.75
23 11 23 00-0325 EA 3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	558.94	29.89
<b>23 11 23 00-0326 Bronze Body Solenoid Valves, 150 PSI Gas <sup>(23 11 23)</sup></b>		
23 11 23 00-0327 EA 1/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	171.12	10.47
23 11 23 00-0328 EA 1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	199.60	10.47
23 11 23 00-0329 EA 3/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	254.04	11.52
23 11 23 00-0330 EA 1" Solenoid Valve, Bronze, 150 PSI, Gas.....	381.72	13.09





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0331 EA 1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	683.51	16.12
23 11 23 00-0332 EA 2" Solenoid Valve, Bronze, 150 PSI, Gas.....	1,165.34	19.05
23 11 23 00-0333 EA 2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	1,443.22	25.75
23 11 23 00-0334 EA 3" Solenoid Valve, Bronze, 150 PSI, Gas.....	2,176.84	29.89
<b>23 11 26 Facility Liquefied-Petroleum Gas Piping (23 11)</b>		
<b>23 11 26 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings (23 11 26)</b>		
<b>23 11 26 00-0002 Fiberglass Reinforced Plastic Pipe (23 11 26 00-0001)</b>		
Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (add modifier for use as inner pipe).		
23 11 26 00-0003 LF 2" Fiberglass Reinforced Plastic Pipe.....	18.36	6.95
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-7.77	
23 11 26 00-0004 LF 3" Fiberglass Reinforced Plastic Pipe.....	22.01	8.30
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-9.33	
23 11 26 00-0005 LF 4" Fiberglass Reinforced Plastic Pipe.....	29.32	12.25
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-13.74	
23 11 26 00-0006 LF 5" Fiberglass Reinforced Plastic Pipe.....	34.36	14.07
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-15.48	
23 11 26 00-0007 LF 6" Fiberglass Reinforced Plastic Pipe.....	40.04	15.72
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-17.71	
23 11 26 00-0008 LF 8" Fiberglass Reinforced Plastic Pipe.....	53.88	18.42
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-20.69	
23 11 26 00-0009 LF 10" Fiberglass Reinforced Plastic Pipe.....	71.27	21.90
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-24.68	
23 11 26 00-0010 LF 12" Fiberglass Reinforced Plastic Pipe.....	166.11	27.58
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-31.04	
<b>23 11 26 00-0011 Fiberglass Reinforced Plastic Fittings (23 11 26 00-0001)</b>		
<b>23 11 26 00-0012 Fiberglass Reinforced Plastic Flanged 90 Degree Elbows (23 11 26 00-0011)</b>		
23 11 26 00-0013 EA 2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	143.48	69.13
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-77.76	
23 11 26 00-0014 EA 3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	169.52	83.02
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-93.32	
23 11 26 00-0015 EA 4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	202.54	96.42
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-108.40	
23 11 26 00-0016 EA 5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	244.63	108.97
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-120.21	
23 11 26 00-0017 EA 6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	293.98	122.26
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-137.48	
23 11 26 00-0018 EA 8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	418.49	152.78
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-171.85	
23 11 26 00-0019 EA 10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	536.27	184.04
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-206.96	
23 11 26 00-0020 EA 12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	1,231.75	228.21
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-256.62	
<b>23 11 26 00-0021 Fiberglass Reinforced Plastic Flanged 45 Degree Elbows (23 11 26 00-0011)</b>		
23 11 26 00-0022 EA 2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	143.78	69.13
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-77.76	
23 11 26 00-0023 EA 3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	169.61	83.02
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-93.32	
23 11 26 00-0024 EA 4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	202.84	96.52
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-108.48	
23 11 26 00-0025 EA 5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	253.12	114.65
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-126.56	
23 11 26 00-0026 EA 6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	293.87	122.26
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-137.48	
23 11 26 00-0027 EA 8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	418.49	152.78
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-171.85	
23 11 26 00-0028 EA 10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	934.57	184.04
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-206.96	
23 11 26 00-0029 EA 12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	1,231.75	228.21
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-256.62	
<b>23 11 26 00-0030 Fiberglass Reinforced Plastic Flanged Tees (23 11 26 00-0011)</b>		
23 11 26 00-0031 EA 2" Fiberglass Reinforced Plastic Flanged Tee.....	292.43	103.75
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-116.64	
23 11 26 00-0032 EA 3" Fiberglass Reinforced Plastic Flanged Tee.....	361.51	124.96
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-140.48	
23 11 26 00-0033 EA 4" Fiberglass Reinforced Plastic Flanged Tee.....	411.62	144.73
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-162.73	
23 11 26 00-0034 EA 5" Fiberglass Reinforced Plastic Flanged Tee.....	521.31	171.92
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-189.91	
23 11 26 00-0035 EA 6" Fiberglass Reinforced Plastic Flanged Tee.....	617.42	184.04
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-206.96	
23 11 26 00-0036 EA 8" Fiberglass Reinforced Plastic Flanged Tee.....	776.47	228.21
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-256.62	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0037	EA		10" Fiberglass Reinforced Plastic Flanged Tee .....	1,237.46	276.05
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-310.43	
23 11 26 00-0038	EA		12" Fiberglass Reinforced Plastic Flanged Tee .....	1,652.18	335.63
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-377.38	
<b>23 11 26 00-0039</b>			<b>Fiberglass Reinforced Plastic Flanged Wyes</b> (23 11 26 00-0011)		
23 11 26 00-0040	EA		2" Fiberglass Reinforced Plastic Flanged Wye .....	385.11	103.75
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-116.64	
23 11 26 00-0041	EA		3" Fiberglass Reinforced Plastic Flanged Wye .....	493.91	124.77
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-140.30	
23 11 26 00-0042	EA		4" Fiberglass Reinforced Plastic Flanged Wye .....	580.09	144.73
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-162.71	
23 11 26 00-0043	EA		5" Fiberglass Reinforced Plastic Flanged Wye .....	664.76	171.92
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-189.91	
23 11 26 00-0044	EA		6" Fiberglass Reinforced Plastic Flanged Wye .....	735.87	184.04
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-206.96	
23 11 26 00-0045	EA		8" Fiberglass Reinforced Plastic Flanged Wye .....	963.80	228.21
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-256.62	
23 11 26 00-0046	EA		10" Fiberglass Reinforced Plastic Flanged Wye .....	1,473.74	276.05
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-310.43	
23 11 26 00-0047	EA		12" Fiberglass Reinforced Plastic Flanged Wye .....	1,909.75	335.63
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-377.38	
<b>23 11 26 00-0048</b>			<b>Fiberglass Reinforced Plastic Flanged Concentric Reducers</b> (23 11 26 00-0011)		
23 11 26 00-0049	EA		2" Fiberglass Reinforced Plastic Flanged Concentric Reducer .....	219.69	69.13
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-77.76	
23 11 26 00-0050	EA		3" Fiberglass Reinforced Plastic Flanged Concentric Reducer .....	284.37	83.02
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-93.32	
23 11 26 00-0051	EA		4" Fiberglass Reinforced Plastic Flanged Concentric Reducer .....	312.14	96.52
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-108.48	
23 11 26 00-0052	EA		5" Fiberglass Reinforced Plastic Flanged Concentric Reducer .....	362.31	114.65
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-126.56	
23 11 26 00-0053	EA		6" Fiberglass Reinforced Plastic Flanged Concentric Reducer .....	402.89	122.26
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-137.48	
23 11 26 00-0054	EA		8" Fiberglass Reinforced Plastic Flanged Concentric Reducer .....	535.22	152.78
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-171.85	
23 11 26 00-0055	EA		10" Fiberglass Reinforced Plastic Flanged Concentric Reducer .....	683.40	184.04
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-206.96	
23 11 26 00-0056	EA		12" Fiberglass Reinforced Plastic Flanged Concentric Reducer .....	932.45	228.21
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-256.62	
<b>23 11 26 00-0057</b>			<b>Fiberglass Reinforced Plastic Bell x Male Or Female Adapters</b> (23 11 26 00-0011)		
23 11 26 00-0058	EA		2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	178.28	69.13
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-77.76	
23 11 26 00-0059	EA		3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	205.27	83.02
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-93.32	
23 11 26 00-0060	EA		4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	233.12	96.52
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-108.48	
23 11 26 00-0061	EA		4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	284.90	114.65
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-126.56	
23 11 26 00-0062	EA		6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	327.15	122.26
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-137.48	
23 11 26 00-0063	EA		8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	326.53	152.78
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-171.85	
23 11 26 00-0064	EA		10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	415.90	184.04
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-206.96	
23 11 26 00-0065	EA		12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	646.49	228.21
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-256.62	
<b>23 11 26 00-0066</b>			<b>Fiberglass Reinforced Plastic Nipples</b> (23 11 26 00-0011)		
23 11 26 00-0067	EA		2" x 6" Fiberglass Reinforced Plastic Nipple .....	33.03	8.30
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-9.33	
23 11 26 00-0068	EA		2" x 12" Fiberglass Reinforced Plastic Nipple .....	66.01	16.58
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-18.62	
23 11 26 00-0069	EA		3" x 8" Fiberglass Reinforced Plastic Nipple .....	109.09	12.72
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-14.32	
23 11 26 00-0070	EA		3" x 12" Fiberglass Reinforced Plastic Nipple .....	126.37	17.14
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-19.27	
23 11 26 00-0071	EA		4" x 8" Fiberglass Reinforced Plastic Nipple .....	117.49	12.19
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-13.75	
23 11 26 00-0072	EA		4" x 12" Fiberglass Reinforced Plastic Nipple .....	141.90	18.33
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-20.62	
23 11 26 00-0073	EA		6" x 12" Fiberglass Reinforced Plastic Nipple .....	175.95	20.53
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-22.68	
23 11 26 00-0074	EA		6" x 12" Fiberglass Reinforced Plastic Nipple .....	209.98	21.99
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-24.77	
23 11 26 00-0075	EA		8" x 18" Fiberglass Reinforced Plastic Nipple .....	112.63	25.67
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-28.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0076 EA 8" x 24" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	153.80 -41.21	36.66
23 11 26 00-0077 EA 10" x 18" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	187.17 -29.34	26.12
23 11 26 00-0078 EA 10" x 24" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	280.93 -43.94	39.05
23 11 26 00-0079 EA 12" x 18" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	218.15 -30.26	26.95
23 11 26 00-0080 EA 12" x 24" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	286.07 -45.40	40.33
<b>23 11 26 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings (23 11 26 00-0011)</b>		
23 11 26 00-0082 EA 2" Fiberglass Reinforced Plastic Sleeve Coupling..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	122.60 -77.76	69.13
23 11 26 00-0083 EA 3" Fiberglass Reinforced Plastic Sleeve Coupling..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	147.45 -93.32	83.02
23 11 26 00-0084 EA 4" Fiberglass Reinforced Plastic Sleeve Coupling..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	170.57 -108.48	96.52
23 11 26 00-0085 EA 5" Fiberglass Reinforced Plastic Sleeve Coupling..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	204.59 -126.56	114.65
23 11 26 00-0086 EA 6" Fiberglass Reinforced Plastic Sleeve Coupling..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	229.06 -137.48	122.26
23 11 26 00-0087 EA 8" Fiberglass Reinforced Plastic Sleeve Coupling..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	296.25 -171.85	152.78
23 11 26 00-0088 EA 10" Fiberglass Reinforced Plastic Sleeve Coupling..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	378.15 -206.96	184.04
23 11 26 00-0089 EA 12" Fiberglass Reinforced Plastic Sleeve Coupling..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	462.67 -256.62	228.21
<b>23 11 26 00-0090 Fiberglass Reinforced Plastic Flanges (23 11 26 00-0011)</b>		
23 11 26 00-0091 EA 2" Fiberglass Reinforced Plastic Flange..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	124.96 -77.76	69.13
23 11 26 00-0092 EA 3" Fiberglass Reinforced Plastic Flange..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	150.58 -93.32	83.02
23 11 26 00-0093 EA 4" Fiberglass Reinforced Plastic Flange..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	172.62 -102.92	91.56
23 11 26 00-0094 EA 5" Fiberglass Reinforced Plastic Flange..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	207.84 -120.29	108.97
23 11 26 00-0095 EA 6" Fiberglass Reinforced Plastic Flange..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	242.79 -137.48	122.26
23 11 26 00-0096 EA 8" Fiberglass Reinforced Plastic Flange..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	300.18 -164.50	146.27
23 11 26 00-0097 EA 10" Fiberglass Reinforced Plastic Flange..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	399.50 -206.96	184.04
23 11 26 00-0098 EA 12" Fiberglass Reinforced Plastic Flange..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	548.10 -256.62	228.21
<b>23 11 26 00-0099 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings (23 11 26)</b>		
<b>23 11 26 00-0100 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing (23 11 26 00-0099)</b>		
23 11 26 00-0101 LF 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	103.88	29.79
23 11 26 00-0102 LF 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	123.80	35.29
23 11 26 00-0103 LF 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	159.57	52.07
23 11 26 00-0104 LF 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	222.94	67.50
23 11 26 00-0105 LF 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	312.95	78.82
23 11 26 00-0106 LF 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	424.35	93.49
23 11 26 00-0107 LF 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	541.93	117.95
<b>23 11 26 00-0108 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings (23 11 26 00-0099)</b>		
<b>23 11 26 00-0109 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows (23 11 26 00-0108)</b>		
23 11 26 00-0110 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,809.61	368.71
23 11 26 00-0111 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	2,087.97	442.57
23 11 26 00-0112 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	2,603.11	514.31
23 11 26 00-0113 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	4,472.82	651.91
23 11 26 00-0114 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	7,202.64	815.04
23 11 26 00-0115 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	9,692.15	980.57



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0116	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	12,925.77	1,214.27
<b>23 11 26 00-0117</b>		<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows <small>(23 11 26 00-0108)</small></b>		
23 11 26 00-0118	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,812.35	368.71
23 11 26 00-0119	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	2,083.17	442.57
23 11 26 00-0120	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	2,599.35	514.31
23 11 26 00-0121	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	4,450.67	651.91
23 11 26 00-0122	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	7,170.57	815.04
23 11 26 00-0123	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	9,648.74	981.03
23 11 26 00-0124	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	12,870.36	1,217.03
<b>23 11 26 00-0125</b>		<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees <small>(23 11 26 00-0108)</small></b>		
23 11 26 00-0126	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	2,529.20	553.08
23 11 26 00-0127	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	3,162.50	666.57
23 11 26 00-0128	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	3,574.17	771.86
23 11 26 00-0129	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	5,711.49	981.48
23 11 26 00-0130	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	7,217.30	1,217.03
23 11 26 00-0131	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	12,430.37	1,470.53
23 11 26 00-0132	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	16,940.02	1,782.97
<b>23 11 26 00-0133</b>		<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes <small>(23 11 26 00-0108)</small></b>		
23 11 26 00-0134	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	3,679.90	553.08
23 11 26 00-0135	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	4,808.22	665.79
23 11 26 00-0136	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	5,666.25	771.86
23 11 26 00-0137	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	7,182.29	981.48
23 11 26 00-0138	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	9,543.30	1,217.03
23 11 26 00-0139	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	15,364.22	1,470.53
23 11 26 00-0140	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	20,138.08	1,782.97
<b>23 11 26 00-0141</b>		<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers <small>(23 11 26 00-0108)</small></b>		
23 11 26 00-0142	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,993.24	368.71
23 11 26 00-0143	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	2,649.52	442.57
23 11 26 00-0144	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	2,850.89	514.31
23 11 26 00-0145	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	3,704.00	651.91
23 11 26 00-0146	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	5,022.61	815.04
23 11 26 00-0147	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	6,529.36	980.57
23 11 26 00-0148	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	9,149.90	1,214.27
<b>23 11 26 00-0149</b>		<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters <small>(23 11 26 00-0108)</small></b>		
23 11 26 00-0150	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,478.98	368.71
23 11 26 00-0151	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,667.41	442.57
23 11 26 00-0152	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,869.72	514.31
23 11 26 00-0153	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	2,763.56	651.91
23 11 26 00-0154	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	2,431.42	815.04
23 11 26 00-0155	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	3,207.97	980.57
23 11 26 00-0156	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	5,599.33	1,214.27



	MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 11 26 00-0157    Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples</b> <small>(23 11 26 00-0108)</small>				
	23 11 26 00-0158	EA 2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	322.07	44.26
	23 11 26 00-0159	EA 2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	643.79	88.32
	23 11 26 00-0160	EA 3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	1,219.37	67.88
	23 11 26 00-0161	EA 3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	1,387.13	91.38
	23 11 26 00-0162	EA 4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	1,328.96	65.17
	23 11 26 00-0163	EA 4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	1,567.22	97.79
	23 11 26 00-0164	EA 6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	2,373.36	117.50
	23 11 26 00-0165	EA 8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	1,125.86	136.93
	23 11 26 00-0166	EA 8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	1,520.48	195.49
	23 11 26 00-0167	EA 10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	2,046.90	139.13
	23 11 26 00-0168	EA 10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	3,073.11	208.41
	23 11 26 00-0169	EA 12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	2,422.76	143.53
	23 11 26 00-0170	EA 12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	3,123.31	215.28
<b>23 11 26 00-0171    Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges</b> <small>(23 11 26 00-0108)</small>				
	23 11 26 00-0172	EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange .....	1,171.30	488.13
	23 11 26 00-0173	EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange .....	1,716.10	651.91
	23 11 26 00-0174	EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange .....	2,173.77	780.32
	23 11 26 00-0175	EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	3,004.37	980.57
	23 11 26 00-0176	EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	4,377.62	1,214.27
<b>23 12    Facility Fuel Pumps</b> <small>(23 10)</small>				
<b>23 12 13    Facility Fuel-Oil Pumps</b> <small>(23 12)</small>				
<b>23 12 13 00-0001    Cast Iron Internal Gear Rotary Pump</b> <small>(23 12 13)</small>				
Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.				
<b>23 12 13 00-0002    10 GPM 1" Discharge</b> <small>(23 12 13 00-0001)</small>				
	23 12 13 00-0003	EA 10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge.....	1,473.20	279.79
	23 12 13 00-0004	EA 10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge .....	1,541.58	338.64
	23 12 13 00-0005	EA 10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge .....	1,684.71	402.32
<b>23 12 13 00-0006    25 GPM 1-1/4" Discharge</b> <small>(23 12 13 00-0001)</small>				
	23 12 13 00-0007	EA 25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge.....	1,575.02	279.79
	23 12 13 00-0008	EA 25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge.....	1,656.86	338.64
	23 12 13 00-0009	EA 25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge.....	1,738.53	402.32
<b>23 12 13 00-0010    Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI</b> <small>(23 12 13)</small>				
	23 12 13 00-0011	EA 1/4 HP Pump Fuel Oil/Diesel .....	1,102.11	156.78
	23 12 13 00-0012	EA 1/3 HP Pump Fuel Oil/Diesel .....	1,296.24	175.60
	23 12 13 00-0013	EA 1/2 HP Pump Fuel Oil/Diesel .....	1,416.97	196.82
	23 12 13 00-0014	EA 3/4 HP Pump Fuel Oil/Diesel .....	1,545.44	221.90
	23 12 13 00-0015	EA 1 HP Pump Fuel Oil/Diesel .....	2,177.43	246.99
	23 12 13 00-0016	EA 1-1/2 HP Pump Fuel Oil/Diesel .....	2,664.56	276.41
	23 12 13 00-0017	EA 2 HP Pump Fuel Oil/Diesel .....	2,952.66	309.70
	23 12 13 00-0018	EA 3 HP Pump Fuel Oil/Diesel .....	3,601.88	346.36
	23 12 13 00-0019	EA 5 HP Pump Fuel Oil/Diesel .....	4,246.92	388.33
	23 12 13 00-0020	EA 7.5 HP Pump Fuel Oil/Diesel .....	4,754.96	435.61
	23 12 13 00-0021	EA 10 HP Pump Fuel Oil/Diesel .....	5,331.16	488.28
<b>23 12 23    Facility Natural-Gas Pumps</b> <small>(23 12)</small>				
<b>23 12 23 00-0001    Natural Gas Booster Pump</b> <small>(23 12 23)</small>				
	23 12 23 00-0002	EA Natural Gas Booster Pump, 3/4" Outlet Size .....	1,143.69	144.72
	23 12 23 00-0003	EA Natural Gas Booster Pump, 1" Outlet Size .....	1,359.54	161.60
	23 12 23 00-0004	EA Natural Gas Booster Pump, 1-1/4" Outlet Size .....	1,528.02	168.84
	23 12 23 00-0005	EA Natural Gas Booster Pump, 1-1/2" Outlet Size .....	1,738.51	176.07
	23 12 23 00-0006	EA Natural Gas Booster Pump, 2" Outlet Size .....	1,972.25	180.90
<b>23 13    Facility Fuel-Storage Tanks</b> <small>(23 10)</small>				
<b>23 13 13    Facility Underground Fuel-Oil, Storage Tanks</b> <small>(23 13)</small>				
<b>23 13 13 13    Double-Wall Steel, Underground Fuel-Oil, Storage Tanks</b> <small>(23 13 13)</small>				
<b>23 13 13 13-0001    Coated Underground Double Wall Storage Tanks</b> <small>(23 13 13 13)</small>				
Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each; all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.				
	23 13 13 13-0002	EA 250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	14,162.25	665.73
	23 13 13 13-0003	EA 550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	15,301.79	665.73

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	22,113.92	832.11
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	30,277.25	1,625.31
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	48,217.59	2,089.56
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	53,714.74	2,399.93
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	57,975.02	3,173.21
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	59,948.93	3,406.98
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	73,168.26	4,024.93
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	84,739.41	4,642.46
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	108,414.35	5,105.27
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	128,520.42	6,198.61
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	132,749.93	6,578.34
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	162,844.94	10,434.62
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	200,117.80	13,531.13
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	235,792.33	15,482.08
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	303,316.99	16,643.24
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	411,007.17	17,070.03

**23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks (23 13 13)****23 13 13 23-0001 Underground Fiberglass Storage Tanks (23 13 13 23)****23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)**

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	3,471.34	665.73
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	4,359.85	832.11
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	5,667.84	1,029.56
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	6,447.10	1,254.05
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	7,221.66	1,470.80
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	8,802.21	1,935.26
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	10,568.45	2,941.60
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	11,998.20	3,715.70
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	14,357.27	4,180.17
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	16,196.39	4,954.27
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	20,797.54	5,883.19
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	25,598.27	7,353.99
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	32,367.04	9,831.12
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	48,074.97	12,230.84
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	58,853.88	14,707.98
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	84,110.81	21,287.86
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	119,356.63	27,093.65

**23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)**

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	6,629.91	665.73
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	8,732.78	832.11
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	10,471.35	1,006.34
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	13,635.28	1,470.90
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	15,349.45	1,935.26
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	17,765.95	2,941.60
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	19,837.06	3,715.70
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	24,334.00	4,180.17
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	26,173.13	4,954.27
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	31,665.05	5,883.19
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	43,458.41	7,353.99
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	53,923.92	9,831.12
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	83,261.25	14,707.98

**23 13 13 23-0034 Underground Storage Tank Pump Enclosures (23 13 13 23)**

23 13 13 23-0035	EA	Secondary Containment Collar .....	2,514.71	
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter .....	2,514.71	
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure.....	502.94	
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical.....	1,005.88	
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit.....	1,257.35	

**23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks (23 13)****23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)****23 13 23 13-0001 Rectangle Double Wall Steel Fuel Day Tank (23 13 23 13)**

Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.

23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	1,157.51	125.70
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	1,243.41	131.98

Note: Includes rust-inhibitor coated interior and gray painted exterior.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0004 EA 25 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,349.99	141.40
23 13 23 13-0005 EA 50 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,552.55	150.83
23 13 23 13-0006 EA 60 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,732.75	157.12
23 13 23 13-0007 EA 75 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,042.27	188.54
23 13 23 13-0008 EA 100 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,752.94	219.96
23 13 23 13-0009 EA 150 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,487.61	251.38
23 13 23 13-0010 EA 200 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,479.42	282.80
23 13 23 13-0011 EA 275 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,992.95	314.24
23 13 23 13-0012 EA 300 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,711.42	377.08
23 13 23 13-0013 EA 350 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,395.61	439.92
23 13 23 13-0014 EA 400 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,100.36	502.78
23 13 23 13-0015 EA 450 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,883.04	534.20
23 13 23 13-0016 EA 500 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,670.85	565.62
23 13 23 13-0017 EA 550 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,566.67	597.04
23 13 23 13-0018 EA 600 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,349.34	628.46
23 13 23 13-0019 EA 700 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,518.85	754.16
23 13 23 13-0020 EA 800 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,424.18	817.00
23 13 23 13-0021 EA 900 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,629.69	942.70
23 13 23 13-0022 EA 1,000 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,840.34	1,068.39
23 13 23 13-0023 EA 10 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,407.80	125.70
23 13 23 13-0024 EA 15 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,495.41	131.98
23 13 23 13-0025 EA 25 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,601.99	141.40
23 13 23 13-0026 EA 50 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,802.84	150.83
23 13 23 13-0027 EA 60 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,983.04	157.12
23 13 23 13-0028 EA 75 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,294.28	188.54
23 13 23 13-0029 EA 100 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,028.95	219.96
23 13 23 13-0030 EA 150 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,763.62	251.38
23 13 23 13-0031 EA 200 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,755.43	282.80
23 13 23 13-0032 EA 275 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,268.96	314.24
23 13 23 13-0033 EA 300 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,987.42	377.08
23 13 23 13-0034 EA 350 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,671.61	439.92
23 13 23 13-0035 EA 400 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,376.37	502.78
23 13 23 13-0036 EA 450 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,159.05	534.20
23 13 23 13-0037 EA 500 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,946.86	565.62
23 13 23 13-0038 EA 550 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,844.39	597.04
23 13 23 13-0039 EA 600 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,627.06	628.46
23 13 23 13-0040 EA 700 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,794.85	754.16
23 13 23 13-0041 EA 800 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,700.18	817.00
23 13 23 13-0042 EA 900 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,905.69	942.70
23 13 23 13-0043 EA 1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,116.35	1,068.39
23 13 23 13-0044 EA 10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,355.82	125.70
23 13 23 13-0045 EA 15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,433.15	131.98

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0046 EA 25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,502.01	141.40
23 13 23 13-0047 EA 50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,771.43	150.83
23 13 23 13-0048 EA 60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,872.77	157.12
23 13 23 13-0049 EA 75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,172.01	188.54
23 13 23 13-0050 EA 100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,819.25	219.96
23 13 23 13-0051 EA 150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,824.78	251.38
23 13 23 13-0052 EA 200 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,425.72	282.80
23 13 23 13-0053 EA 275 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,101.57	314.24
23 13 23 13-0054 EA 300 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,022.32	377.08
23 13 23 13-0055 EA 350 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,572.80	439.92
23 13 23 13-0056 EA 400 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,325.55	502.78
23 13 23 13-0057 EA 450 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,072.23	534.20
23 13 23 13-0058 EA 500 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,058.90	565.62
23 13 23 13-0059 EA 550 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,466.14	597.04
23 13 23 13-0060 EA 600 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,830.51	628.46
23 13 23 13-0061 EA 700 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,526.32	754.16
23 13 23 13-0062 EA 800 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,180.80	817.00
23 13 23 13-0063 EA 900 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,979.47	942.70
23 13 23 13-0064 EA 1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,807.28	1,068.39
23 13 23 13-0065 EA 10 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,487.27	125.70
23 13 23 13-0066 EA 15 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,564.60	131.98
23 13 23 13-0067 EA 25 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,633.46	141.40
23 13 23 13-0068 EA 50 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,902.88	150.83
23 13 23 13-0069 EA 60 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,004.22	157.12
23 13 23 13-0070 EA 75 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,303.46	188.54
23 13 23 13-0071 EA 100 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,950.70	219.96
23 13 23 13-0072 EA 150 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,956.23	251.38
23 13 23 13-0073 EA 200 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,632.61	282.80
23 13 23 13-0074 EA 275 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,838.72	314.24
23 13 23 13-0075 EA 300 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,759.48	377.08
23 13 23 13-0076 EA 350 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,311.67	439.92
23 13 23 13-0077 EA 400 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,062.71	502.78
23 13 23 13-0078 EA 450 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,811.10	534.20
23 13 23 13-0079 EA 500 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,796.06	565.62
23 13 23 13-0080 EA 550 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,203.29	597.04
23 13 23 13-0081 EA 600 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,567.67	628.46
23 13 23 13-0082 EA 700 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,263.48	754.16
23 13 23 13-0083 EA 800 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,919.68	817.00
23 13 23 13-0084 EA 900 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,716.63	942.70
23 13 23 13-0085 EA 1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,544.43	1,068.39
23 13 23 13-0086 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,119.85	125.70





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0087 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,205.75	131.98
23 13 23 13-0088 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,276.33	141.40
23 13 23 13-0089 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,554.32	150.83
23 13 23 13-0090 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,703.66	157.12
23 13 23 13-0091 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,975.48	188.54
23 13 23 13-0092 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,648.43	219.96
23 13 23 13-0093 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,701.96	251.38
23 13 23 13-0094 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,325.19	282.80
23 13 23 13-0095 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,066.18	314.24
23 13 23 13-0096 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,034.93	377.08
23 13 23 13-0097 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,532.26	439.92
23 13 23 13-0098 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,387.88	502.78
23 13 23 13-0099 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,292.27	534.20
23 13 23 13-0100 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,201.80	565.62
23 13 23 13-0101 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,658.75	597.04
23 13 23 13-0102 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,997.41	628.46
23 13 23 13-0103 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,770.36	754.16
23 13 23 13-0104 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,505.42	817.00
23 13 23 13-0105 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,384.66	942.70
23 13 23 13-0106 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,289.61	1,068.39
23 13 23 13-0107 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,251.31	125.70
23 13 23 13-0108 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,337.21	131.98
23 13 23 13-0109 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,407.78	141.40
23 13 23 13-0110 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,685.77	150.83
23 13 23 13-0111 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,835.11	157.12
23 13 23 13-0112 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,103.50	188.54
23 13 23 13-0113 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,779.88	219.96
23 13 23 13-0114 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,833.41	251.38

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0115 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,456.64	282.80
23 13 23 13-0116 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,803.33	314.24
23 13 23 13-0117 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,772.09	377.08
23 13 23 13-0118 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,440.85	439.92
23 13 23 13-0119 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,125.03	502.78
23 13 23 13-0120 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,029.43	534.20
23 13 23 13-0121 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,938.96	565.62
23 13 23 13-0122 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,395.91	597.04
23 13 23 13-0123 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,736.29	628.46
23 13 23 13-0124 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,507.52	754.16
23 13 23 13-0125 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,242.58	817.00
23 13 23 13-0126 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,121.82	942.70
23 13 23 13-0127 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	22,026.77	1,068.39
23 13 23 13-0128 EA 150% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,146.33	125.70
23 13 23 13-0129 EA 150% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,242.79	131.98
23 13 23 13-0130 EA 150% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,349.03	141.40
23 13 23 13-0131 EA 150% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,543.50	150.83
23 13 23 13-0132 EA 150% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,058.60	157.12
23 13 23 13-0133 EA 150% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,110.98	188.54
23 13 23 13-0134 EA 150% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,656.67	219.96
23 13 23 13-0135 EA 150% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,290.60	251.38
23 13 23 13-0136 EA 150% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,329.59	282.80
23 13 23 13-0137 EA 150% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,445.53	314.24
23 13 23 13-0138 EA 150% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,536.90	377.08
23 13 23 13-0139 EA 150% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,019.55	439.92
23 13 23 13-0140 EA 150% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,504.46	502.78
23 13 23 13-0141 EA 150% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,242.50	534.20
23 13 23 13-0142 EA 150% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	8,982.79	565.62
23 13 23 13-0143 EA 150% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	9,625.80	597.04
23 13 23 13-0144 EA 150% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,275.56	628.46
23 13 23 13-0145 EA 150% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	11,621.02	754.16
23 13 23 13-0146 EA 150% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	12,902.47	817.00
23 13 23 13-0147 EA 150% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	14,324.88	942.70
23 13 23 13-0148 EA 150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	15,697.50	1,068.39
23 13 23 13-0149 EA 200% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,208.85	131.98
23 13 23 13-0150 EA 200% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,315.34	141.40
23 13 23 13-0151 EA 200% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,426.58	150.83
23 13 23 13-0152 EA 200% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,625.76	157.12
23 13 23 13-0153 EA 200% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,210.80	188.54
23 13 23 13-0154 EA 200% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,263.17	219.96
23 13 23 13-0155 EA 200% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,836.26	251.38
23 13 23 13-0156 EA 200% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,502.50	282.80
23 13 23 13-0157 EA 200% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,596.32	314.24
23 13 23 13-0158 EA 200% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,771.34	345.66
23 13 23 13-0159 EA 200% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,917.51	408.50
23 13 23 13-0160 EA 200% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,421.16	471.34
23 13 23 13-0161 EA 200% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,927.20	534.20
23 13 23 13-0162 EA 200% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,703.32	565.62
23 13 23 13-0163 EA 200% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,481.83	597.04
23 13 23 13-0164 EA 200% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	10,157.65	628.46
23 13 23 13-0165 EA 200% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,892.98	691.32
23 13 23 13-0166 EA 200% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	12,301.55	817.00
23 13 23 13-0167 EA 200% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	13,753.12	942.70
23 13 23 13-0168 EA 200% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	15,242.91	1,068.39
23 13 23 13-0169 EA 200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	16,680.15	1,194.08
23 13 23 13-0170 EA 150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,325.10	125.70
23 13 23 13-0171 EA 150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,444.19	131.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0172 EA 150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank .....	1,564.00	141.40
23 13 23 13-0173 EA 150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank .....	1,803.73	150.83
23 13 23 13-0174 EA 150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank .....	2,416.14	157.12
23 13 23 13-0175 EA 150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank .....	2,468.52	188.54
23 13 23 13-0176 EA 150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank .....	3,095.67	219.96
23 13 23 13-0177 EA 150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank .....	3,835.96	251.38
23 13 23 13-0178 EA 150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank .....	5,059.89	282.80
23 13 23 13-0179 EA 150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank .....	6,432.16	314.24
23 13 23 13-0180 EA 150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank .....	7,724.92	377.08
23 13 23 13-0181 EA 150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank .....	8,277.73	439.92
23 13 23 13-0182 EA 150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank .....	8,835.05	502.78
23 13 23 13-0183 EA 150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank .....	9,715.65	534.20
23 13 23 13-0184 EA 150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank .....	10,598.50	565.62
23 13 23 13-0185 EA 150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank .....	11,347.85	597.04
23 13 23 13-0186 EA 150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank .....	12,115.30	628.46
23 13 23 13-0187 EA 150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank .....	13,698.37	754.16
23 13 23 13-0188 EA 150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank .....	15,219.68	817.00
23 13 23 13-0189 EA 150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank .....	16,879.69	942.70
23 13 23 13-0190 EA 150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank .....	18,489.92	1,068.39
23 13 23 13-0191 EA 200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank .....	1,397.55	131.98
23 13 23 13-0192 EA 200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank .....	1,527.92	141.40
23 13 23 13-0193 EA 200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank .....	1,653.50	150.83
23 13 23 13-0194 EA 200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank .....	1,900.45	157.12
23 13 23 13-0195 EA 200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank .....	2,588.21	188.54
23 13 23 13-0196 EA 200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank .....	2,640.58	219.96
23 13 23 13-0197 EA 200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank .....	3,299.65	251.38
23 13 23 13-0198 EA 200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank .....	4,078.16	282.80
23 13 23 13-0199 EA 200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank .....	5,367.19	314.24
23 13 23 13-0200 EA 200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank .....	6,812.77	345.66
23 13 23 13-0201 EA 200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank .....	8,171.54	408.50
23 13 23 13-0202 EA 200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank .....	8,749.24	471.34
23 13 23 13-0203 EA 200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank .....	9,331.71	534.20
23 13 23 13-0204 EA 200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank .....	10,258.31	565.62
23 13 23 13-0205 EA 200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank .....	11,187.31	597.04
23 13 23 13-0206 EA 200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank .....	11,975.37	628.46
23 13 23 13-0207 EA 200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank .....	12,834.93	691.32
23 13 23 13-0208 EA 200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank .....	14,194.30	817.00
23 13 23 13-0209 EA 200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank .....	16,199.06	942.70
23 13 23 13-0210 EA 200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank .....	17,939.66	1,068.39
23 13 23 13-0211 EA 200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank .....	19,627.70	1,194.08

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)

23 13 23 16-0001

Single Wall Aboveground Storage Tanks (23 13 23 16)

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each; all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0002 EA 300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	4,343.33	683.14
23 13 23 16-0003 EA 550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	5,221.60	826.95
23 13 23 16-0004 EA 1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	7,025.10	1,124.06
23 13 23 16-0005 EA 1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	9,081.73	1,405.07
23 13 23 16-0006 EA 2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	10,926.45	1,902.13
23 13 23 16-0007 EA 3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	16,468.33	1,958.07
23 13 23 16-0008 EA 5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	23,938.72	2,420.89
23 13 23 16-0009 EA 8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	32,869.16	2,773.87
23 13 23 16-0010 EA 10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	39,173.37	3,026.02
23 13 23 16-0011 EA 12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	45,471.66	3,328.65
23 13 23 16-0012 EA 15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	50,337.51	3,698.46
23 13 23 16-0013 EA 20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	62,877.27	4,755.17
23 13 23 16-0014 EA 30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	85,884.74	5,547.75

23 13 23 16-0015

Double Wall Aboveground Storage Tanks (23 13 23 16)

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each; all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0016 EA 300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings .....	6,884.59	852.41
23 13 23 16-0017 EA 550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings .....	8,272.97	1,031.52
23 13 23 16-0018 EA 1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	11,127.79	1,405.07
23 13 23 16-0019 EA 1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	14,412.69	1,756.35
23 13 23 16-0020 EA 2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	17,170.40	2,377.64
23 13 23 16-0021 EA 3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	26,417.60	2,447.51
23 13 23 16-0022 EA 5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	38,637.92	3,015.09
23 13 23 16-0023 EA 8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	53,398.83	3,467.36
23 13 23 16-0024 EA 10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	63,806.38	3,782.58

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0025	EA		12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings .....	74,174.11	4,160.76
23 13 23 16-0026	EA		15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings .....	82,103.30	4,623.16
23 13 23 16-0027	EA		20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings .....	102,476.14	5,943.98
23 13 23 16-0028	EA		30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings .....	140,534.56	6,934.63

**23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)****23 13 23 19-0001 Secondary Containment For Above Ground Tanks (23 13 23 19)**

23 13 23 19-0002	EA		Steel Dike For 550 Gallon Tank, Uncoated.....	5,397.41	
23 13 23 19-0003	EA		Steel Dike For 1,000 Gallon Tank, Uncoated.....	6,520.71	
23 13 23 19-0004	EA		Steel Dike For 2,000 Gallon Tank, Uncoated.....	14,275.01	
23 13 23 19-0005	EA		Steel Dike For 3,000 Gallon Tank, Uncoated.....	15,617.37	
23 13 23 19-0006	EA		Steel Dike For 5,000 Gallon Tank, Uncoated.....	22,209.08	
23 13 23 19-0007	EA		Steel Dike For 6,000 Gallon Tank, Uncoated.....	24,882.47	
23 13 23 19-0008	EA		Steel Dike For 8,000 Gallon Tank, Uncoated.....	32,855.81	
23 13 23 19-0009	EA		Steel Dike For 10,000 Gallon Tank, Uncoated.....	38,550.94	
23 13 23 19-0010	EA		Steel Dike For 12,000 Gallon Tank, Uncoated.....	43,807.80	
23 13 23 19-0011	EA		Steel Dike For 15,000 Gallon Tank, Uncoated.....	53,338.82	
23 13 23 19-0012	EA		Steel Dike For 20,000 Gallon Tank, Uncoated.....	68,295.30	

**23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)****23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks (23 13 23 26)**

Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overflow containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.

23 13 23 26-0002	EA		500 Gallon Concrete Vaulted Storage Tank .....	29,855.42	1,439.73
			<i>For Low Profile Tanks, Add</i> .....	11,138.60	
23 13 23 26-0003	EA		1,000 Gallon Concrete Vaulted Storage Tank .....	37,642.64	1,625.31
			<i>For Low Profile Tanks, Add</i> .....	14,149.90	
23 13 23 26-0004	EA		2,000 Gallon Concrete Vaulted Storage Tank .....	66,994.75	1,935.26
			<i>For Low Profile Tanks, Add</i> .....	25,717.75	
23 13 23 26-0005	EA		4,000 Gallon Concrete Vaulted Storage Tank .....	105,883.45	4,256.65
23 13 23 26-0006	EA		5,000 Gallon Concrete Vaulted Storage Tank .....	121,022.58	4,648.96
23 13 23 26-0007	EA		6,000 Gallon Concrete Vaulted Storage Tank .....	136,243.50	5,020.53
23 13 23 26-0008	EA		8,000 Gallon Concrete Vaulted Storage Tank .....	151,443.74	5,447.94
23 13 23 26-0009	EA		10,000 Gallon Concrete Vaulted Storage Tank .....	166,637.30	5,799.07

**23 13 33 Facility Fuel-Oil, Storage Tank Accessories (23 13)****23 13 33 00-0001 EPA Requirements (23 13 33)**

23 13 33 00-0002	EA		Fill Pipe Spill Containment Manhole (5 Gallon).....	928.70	
23 13 33 00-0003	EA		Over-Fill Prevention Valve .....	1,367.78	
23 13 33 00-0004	EA		Tank Manway With Cover, Fiberglass .....	4,034.41	
23 13 33 00-0005	EA		Tank Manway With Cover, Steel.....	2,784.94	
23 13 33 00-0006	EA		Vent Fill Alarm (Whistle Vent) .....	128.02	
23 13 33 00-0007	EA		Reservoir Sensor, Liquid Level .....	351.71	
23 13 33 00-0008	EA		Manhole Spill Containment .....	1,317.82	244.52
23 13 33 00-0009	EA		Fill Adapter, 4" .....	294.09	163.05
23 13 33 00-0010	EA		Fill Cap, 4" .....	198.68	61.14
23 13 33 00-0011	EA		2" Vent Cap.....	120.31	40.78
23 13 33 00-0012	EA		4" x 2" Extractor Fitting .....	389.40	61.14
23 13 33 00-0013	EA		Float Vent Valve.....	379.58	122.26
23 13 33 00-0014	EA		Vapor Hose Adapter .....	378.24	81.48
23 13 33 00-0015	EA		Dust Cap .....	165.34	44.51
23 13 33 00-0016	EA		1" Double Poppet Foot Valve.....	441.55	69.84
23 13 33 00-0017	EA		10' Wood Gage Stick .....	41.11	
23 13 33 00-0018	EA		1-1/4" Tank Filled Breather, NPT .....	136.21	
23 13 33 00-0019	EA		1-1/2" Tank Filled Breather, Bayonet .....	183.34	
23 13 33 00-0020	EA		2" Cast Iron Combination Fill Cap And Vent .....	94.45	
23 13 33 00-0021	EA		3" Cast Iron Combination Fill Cap And Vent .....	132.12	
23 13 33 00-0022	EA		4" Cast Iron Combination Fill Cap And Vent .....	216.24	
23 13 33 00-0023	EA		Pressure And Vacuum Control Vent .....	810.52	
23 13 33 00-0024	EA		1/4 HP Fuel/Diesel Pump Set .....	1,798.82	
23 13 33 00-0025	EA		1/3 HP Fuel/Diesel Pump Set .....	2,131.90	
23 13 33 00-0026	EA		1/2 HP Fuel/Diesel Pump Set .....	2,321.42	
23 13 33 00-0027	EA		3/4 HP Fuel/Diesel Pump Set .....	2,542.89	
23 13 33 00-0028	EA		1 HP Fuel/Diesel Pump Set .....	3,666.34	
23 13 33 00-0029	EA		1-1/2 HP Fuel/Diesel Pump Set .....	4,538.22	
23 13 33 00-0030	EA		2 HP Fuel/Diesel Pump Set .....	5,022.83	
23 13 33 00-0031	EA		3 HP Fuel/Diesel Pump Set .....	6,186.60	
23 13 33 00-0032	EA		5 HP Fuel/Diesel Pump Set .....	7,332.19	
23 13 33 00-0033	EA		7.5 HP Fuel/Diesel Pump Set .....	8,207.25	
23 13 33 00-0034	EA		10 HP Fuel/Diesel Pump Set .....	9,485.04	



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0035		Tank Bulkhead Fittings <small>(23 13 33)</small>		
23 13 33 00-0036		Tank Bulkhead Fittings <small>(23 13 33 00-0035)</small>		
23 13 33 00-0037		Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection <small>(23 13 33 00-0036)</small>		
23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	40.01	
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	44.69	
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	49.11	
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	58.95	
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	61.03	
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	79.28	
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	123.60	
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	213.34	
23 13 33 00-0046		Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection <small>(23 13 33 00-0036)</small>		
23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	46.11	
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	50.77	
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	55.43	
23 13 33 00-0050	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	68.77	
23 13 33 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	73.44	
23 13 33 00-0052	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	90.51	
23 13 33 00-0053	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	138.58	
23 13 33 00-0054	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	234.63	
23 13 33 00-0055		Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection <small>(23 13 33 00-0036)</small>		
23 13 33 00-0056	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	47.50	
23 13 33 00-0057	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	54.76	
23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	61.76	
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	79.52	
23 13 33 00-0060	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	103.14	
23 13 33 00-0061	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	158.94	
23 13 33 00-0062	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	247.28	
23 13 33 00-0063		Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection <small>(23 13 33 00-0036)</small>		
23 13 33 00-0064	EA	1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	55.24	
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	65.05	
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread.....	79.77	
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	96.85	
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	98.94	
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread.....	140.35	
23 13 33 00-0070	EA	3" Polypropylene Bulkhead Fitting, Thread x Thread.....	248.79	
23 13 33 00-0071	EA	4" Polypropylene Bulkhead Fitting, Thread x Thread.....	441.51	
23 13 33 00-0072		Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection <small>(23 13 33 00-0036)</small>		
23 13 33 00-0073	EA	3/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	49.13	
23 13 33 00-0074	EA	1" Polyethylene Bulkhead Fitting, Thread x Thread.....	62.85	
23 13 33 00-0075	EA	1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	64.95	
23 13 33 00-0076	EA	1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread.....	67.04	
23 13 33 00-0077	EA	2" Polyethylene Bulkhead Fitting, Thread x Thread.....	92.38	
23 13 33 00-0078	EA	3" Polyethylene Bulkhead Fitting, Thread x Thread.....	116.18	
23 13 33 00-0079		TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection <small>(23 13 33 00-0036)</small>		
23 13 33 00-0080	EA	1/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	201.56	
23 13 33 00-0081	EA	1/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	230.38	
23 13 33 00-0082	EA	3/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	282.88	
23 13 33 00-0083	EA	1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	325.97	
23 13 33 00-0084	EA	3/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	375.48	
23 13 33 00-0085	EA	1" TFE Teflon Bulkhead Fitting, Thread x Thread.....	472.52	
23 13 33 00-0086	EA	1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	613.43	
23 13 33 00-0087	EA	2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	677.65	
23 13 33 00-0088		Self-Aligning Bulkhead Fittings <small>(23 13 33 00-0035)</small>		
23 13 33 00-0089	EA	3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	207.14	
23 13 33 00-0090	EA	1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	207.67	
23 13 33 00-0091	EA	1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	302.22	
23 13 33 00-0092	EA	2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	308.71	
23 13 33 00-0093	EA	3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	415.42	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 13 Facility Fuel-Storage Tanks**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**23 20 HVAC Piping and Pumps** <sup>(23)</sup>

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

**23 21 Hydronic Piping and Pumps** <sup>(23 20)</sup>**23 21 13 Hydronic Piping** <sup>(23 21)</sup>

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

**23 21 13 23 Aboveground Hydronic Piping** <sup>(23 21 13)</sup>**23 21 13 23-0001 Threaded Black Steel Pipe** <sup>(23 21 13 23)</sup>**23 21 13 23-0002 Threaded Black Steel Pipe Assemblies** <sup>(23 21 13 23-0001)</sup>

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	17.43	3.86
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	4.15	
		<i>For Work In Restricted Working Space, Add</i>	3.98	
23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	18.88	4.14
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	4.58	
		<i>For Work In Restricted Working Space, Add</i>	4.16	
23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	20.67	4.54
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	5.10	
		<i>For Work In Restricted Working Space, Add</i>	4.40	
23 21 13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	24.48	4.73
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	6.28	
		<i>For Work In Restricted Working Space, Add</i>	4.74	
23 21 13 23-0007	LF	2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	25.79	5.60
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	6.72	
		<i>For Work In Restricted Working Space, Add</i>	4.81	
23 21 13 23-0008	LF	2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	30.56	6.74
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	8.11	
		<i>For Work In Restricted Working Space, Add</i>	5.42	
23 21 13 23-0009	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	43.92	8.00
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	12.23	
		<i>For Work In Restricted Working Space, Add</i>	6.72	
23 21 13 23-0010	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	55.59	10.71
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	15.62	
		<i>For Work In Restricted Working Space, Add</i>	8.23	
23 21 13 23-0011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	76.87	12.19
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	22.98	
		<i>For Work In Restricted Working Space, Add</i>	8.81	
23 21 13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	122.95	15.58
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	38.67	
		<i>For Work In Restricted Working Space, Add</i>	10.49	
23 21 13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	146.08	18.42
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	46.25	
		<i>For Work In Restricted Working Space, Add</i>	11.89	
23 21 13 23-0014		<b>Threaded Black Steel Pipe And Fittings</b> <sup>(23 21 13 23-0001)</sup>		
		Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-0015		<b>Threaded And Coupled, Black Steel Piping</b> <sup>(23 21 13 23-0014)</sup>		
		Note: ASTM A-53. Includes coupling.		
23 21 13 23-0016	LF	3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe .....	6.22	2.41
		<i>For Schedule 80 Pipe, Add</i>	1.09	
		<i>For Work In Restricted Working Space, Add</i>	1.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0017 LF 1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.10 1.60 1.76	3.86
23 21 13 23-0018 LF 3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.14 1.94 1.87	4.14
23 21 13 23-0019 LF 1" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.63 2.42 2.02	4.54
23 21 13 23-0020 LF 1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.35 3.06 2.14	4.73
23 21 13 23-0021 LF 1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.62 3.64 2.52	5.60
23 21 13 23-0022 LF 2" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.31 4.69 3.05	6.74
23 21 13 23-0023 LF 2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.95 7.01 3.62	8.00
23 21 13 23-0024 LF 3" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.95 9.20 4.82	10.71
23 21 13 23-0025 LF 4" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.56 13.19 5.50	12.19
23 21 13 23-0026 LF 5" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.86 17.42 7.00	15.58
23 21 13 23-0027 LF 6" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.81 22.66 8.28	18.42
23 21 13 23-0028 LF 8" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.91 32.84 10.00	22.27
23 21 13 23-0029 LF 10" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.56 45.85 12.22	27.13
23 21 13 23-0030 LF 12" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	178.27 61.51 16.04	35.66
<b>23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows</b> <small>(23 21 13 23-0014)</small>		
23 21 13 23-0032 EA 3/8", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.72 14.01 0.08 6.43	14.27
23 21 13 23-0033 EA 1/2", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.38 10.35 0.06 7.71	17.16
23 21 13 23-0034 EA 3/4", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.21 12.36 0.07 8.63	19.19
23 21 13 23-0035 EA 1", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.83 20.38 0.12 9.64	21.40
23 21 13 23-0036 EA 1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.07 32.64 0.20 10.91	24.30
23 21 13 23-0037 EA 1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.72 42.52 0.27 12.31	27.38
23 21 13 23-0038 EA 2", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.90 72.20 0.46 15.64	34.81
23 21 13 23-0039 EA 2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	141.25 158.52 1.03 23.14	51.49
23 21 13 23-0040 EA 3", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.31 231.26 1.50 30.45	67.69
23 21 13 23-0041 EA 4", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	308.45 490.06 3.22 32.08	71.30

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0042	EA	5", 150 LB, Black Malleable Iron 90 Degree Elbow.....	700.44	74.42
			<i>For 300 LB Rating, Add</i>	1,419.98	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	9.42	
			<i>For Work In Restricted Working Space, Add</i>	33.47	
23 21	13 23-0043	EA	6", 150 LB, Black Malleable Iron 90 Degree Elbow.....	796.88	77.81
			<i>For 300 LB Rating, Add</i>	1,639.55	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	10.88	
			<i>For Work In Restricted Working Space, Add</i>	35.00	
<b>23 21</b>	<b>13 23-0044</b>		<b>Black Malleable Iron Reducing 90 Degree Elbows</b> <small>(23 21 13 23-0014)</small>		
23 21	13 23-0045	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	30.55	15.72
			<i>For 300 LB Rating, Add</i>	18.19	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.11	
			<i>For Work In Restricted Working Space, Add</i>	7.07	
23 21	13 23-0046	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	34.45	18.13
			<i>For 300 LB Rating, Add</i>	18.92	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
			<i>For Work In Restricted Working Space, Add</i>	8.18	
23 21	13 23-0047	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	35.16	16.78
			<i>For 300 LB Rating, Add</i>	25.65	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.16	
			<i>For Work In Restricted Working Space, Add</i>	7.53	
23 21	13 23-0048	EA	1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	39.71	20.34
			<i>For 300 LB Rating, Add</i>	24.03	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.15	
			<i>For Work In Restricted Working Space, Add</i>	9.14	
23 21	13 23-0049	EA	1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	38.90	19.29
			<i>For 300 LB Rating, Add</i>	25.69	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.16	
			<i>For Work In Restricted Working Space, Add</i>	8.68	
23 21	13 23-0050	EA	1" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	46.42	17.83
			<i>For 300 LB Rating, Add</i>	48.72	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.31	
			<i>For Work In Restricted Working Space, Add</i>	8.04	
23 21	13 23-0051	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	49.79	22.85
			<i>For 300 LB Rating, Add</i>	39.33	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.25	
			<i>For Work In Restricted Working Space, Add</i>	10.28	
23 21	13 23-0052	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	49.92	21.70
			<i>For 300 LB Rating, Add</i>	43.57	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.28	
			<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21	13 23-0053	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	51.30	20.73
			<i>For 300 LB Rating, Add</i>	50.46	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.32	
			<i>For Work In Restricted Working Space, Add</i>	9.32	
23 21	13 23-0054	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	60.62	25.84
			<i>For 300 LB Rating, Add</i>	54.93	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.35	
			<i>For Work In Restricted Working Space, Add</i>	11.61	
23 21	13 23-0055	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	58.51	24.40
			<i>For 300 LB Rating, Add</i>	54.80	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.35	
			<i>For Work In Restricted Working Space, Add</i>	10.98	
23 21	13 23-0056	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	59.98	23.24
			<i>For 300 LB Rating, Add</i>	62.29	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.40	
			<i>For Work In Restricted Working Space, Add</i>	10.47	
23 21	13 23-0057	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	78.33	31.05
			<i>For 300 LB Rating, Add</i>	79.02	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.51	
			<i>For Work In Restricted Working Space, Add</i>	13.97	
23 21	13 23-0058	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	80.34	29.51
			<i>For 300 LB Rating, Add</i>	89.27	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.58	
			<i>For Work In Restricted Working Space, Add</i>	13.28	
23 21	13 23-0059	EA	2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	78.22	28.06
			<i>For 300 LB Rating, Add</i>	89.14	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.58	
			<i>For Work In Restricted Working Space, Add</i>	12.64	
23 21	13 23-0060	EA	2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	78.71	27.00
			<i>For 300 LB Rating, Add</i>	94.25	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.61	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
23 21	13 23-0061	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	151.78	43.10
			<i>For 300 LB Rating, Add</i>	213.04	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.39	
			<i>For Work In Restricted Working Space, Add</i>	19.39	
23 21	13 23-0062	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	151.37	39.44
			<i>For 300 LB Rating, Add</i>	225.02	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.48	
			<i>For Work In Restricted Working Space, Add</i>	17.73	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0063 EA 3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	252.41	59.59
<i>For 300 LB Rating, Add</i>	396.80	
<i>For Standard Weight Cast Iron Fittings, Add</i>	2.61	
<i>For Work In Restricted Working Space, Add</i>	26.79	
23 21 13 23-0064 EA 3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	217.70	51.20
<i>For 300 LB Rating, Add</i>	342.74	
<i>For Standard Weight Cast Iron Fittings, Add</i>	2.25	
<i>For Work In Restricted Working Space, Add</i>	23.04	
23 21 13 23-0065 EA 4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	380.44	67.82
<i>For 300 LB Rating, Add</i>	675.08	
<i>For Standard Weight Cast Iron Fittings, Add</i>	4.46	
<i>For Work In Restricted Working Space, Add</i>	30.51	
<b>23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows</b> <small>(23 21 13 23-0014)</small>		
23 21 13 23-0067 EA 3/8", 150 LB, Black Malleable Iron 45 Degree Elbow.....	29.40	14.27
<i>For 300 LB Rating, Add</i>	20.44	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13	
<i>For Work In Restricted Working Space, Add</i>	6.43	
23 21 13 23-0068 EA 1/2", 150 LB, Black Malleable Iron 45 Degree Elbow.....	31.78	17.16
<i>For 300 LB Rating, Add</i>	16.11	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.10	
<i>For Work In Restricted Working Space, Add</i>	7.71	
23 21 13 23-0069 EA 3/4", 150 LB, Black Malleable Iron 45 Degree Elbow.....	36.28	19.19
<i>For 300 LB Rating, Add</i>	19.73	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
<i>For Work In Restricted Working Space, Add</i>	8.63	
23 21 13 23-0070 EA 1", 150 LB, Black Malleable Iron 45 Degree Elbow .....	41.58	21.40
<i>For 300 LB Rating, Add</i>	24.58	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.15	
<i>For Work In Restricted Working Space, Add</i>	9.64	
23 21 13 23-0071 EA 1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow .....	53.08	24.30
<i>For 300 LB Rating, Add</i>	42.26	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.27	
<i>For Work In Restricted Working Space, Add</i>	10.91	
23 21 13 23-0072 EA 1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow .....	61.70	27.38
<i>For 300 LB Rating, Add</i>	52.07	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.33	
<i>For Work In Restricted Working Space, Add</i>	12.31	
23 21 13 23-0073 EA 2", 150 LB, Black Malleable Iron 45 Degree Elbow .....	83.37	34.81
<i>For 300 LB Rating, Add</i>	78.13	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.50	
<i>For Work In Restricted Working Space, Add</i>	15.64	
23 21 13 23-0074 EA 2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow .....	167.54	51.49
<i>For 300 LB Rating, Add</i>	221.61	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.45	
<i>For Work In Restricted Working Space, Add</i>	23.14	
23 21 13 23-0075 EA 3", 150 LB, Black Malleable Iron 45 Degree Elbow .....	218.92	67.69
<i>For 300 LB Rating, Add</i>	287.92	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.88	
<i>For Work In Restricted Working Space, Add</i>	30.45	
23 21 13 23-0076 EA 4", 150 LB, Black Malleable Iron 45 Degree Elbow .....	337.21	71.30
<i>For 300 LB Rating, Add</i>	559.09	
<i>For Standard Weight Cast Iron Fittings, Add</i>	3.68	
<i>For Work In Restricted Working Space, Add</i>	32.08	
23 21 13 23-0077 EA 5", 150 LB, Black Malleable Iron 45 Degree Elbow .....	1,021.19	74.42
<i>For 300 LB Rating, Add</i>	2,189.78	
<i>For Standard Weight Cast Iron Fittings, Add</i>	14.55	
<i>For Work In Restricted Working Space, Add</i>	33.47	
23 21 13 23-0078 EA 6", 150 LB, Black Malleable Iron 45 Degree Elbow .....	1,047.29	77.81
<i>For 300 LB Rating, Add</i>	2,240.54	
<i>For Standard Weight Cast Iron Fittings, Add</i>	14.89	
<i>For Work In Restricted Working Space, Add</i>	35.00	
<b>23 21 13 23-0079 Black Malleable Iron Tees</b> <small>(23 21 13 23-0014)</small>		
23 21 13 23-0080 EA 3/8", 150 LB, Black Malleable Iron Tee.....	34.48	17.64
<i>For 300 LB Rating, Add</i>	20.06	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
<i>For Work In Restricted Working Space, Add</i>	8.04	
23 21 13 23-0081 EA 1/2", 150 LB, Black Malleable Iron Tee.....	37.05	21.40
<i>For 300 LB Rating, Add</i>	13.71	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.08	
<i>For Work In Restricted Working Space, Add</i>	9.64	
23 21 13 23-0082 EA 3/4", 150 LB, Black Malleable Iron Tee.....	44.12	24.78
<i>For 300 LB Rating, Add</i>	19.12	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.11	
<i>For Work In Restricted Working Space, Add</i>	11.12	
23 21 13 23-0083 EA 1", 150 LB, Black Malleable Iron Tee.....	55.89	29.22
<i>For 300 LB Rating, Add</i>	31.60	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.19	
<i>For Work In Restricted Working Space, Add</i>	13.15	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0084	EA		1-1/4", 150 LB, Black Malleable Iron Tee.....	71.66	34.81
			<i>For 300 LB Rating, Add</i>	50.02	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.31	
			<i>For Work In Restricted Working Space, Add</i>	15.64	
23 21 13 23-0085	EA		1-1/2", 150 LB, Black Malleable Iron Tee.....	86.50	41.47
			<i>For 300 LB Rating, Add</i>	62.05	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.39	
			<i>For Work In Restricted Working Space, Add</i>	18.66	
23 21 13 23-0086	EA		2", 150 LB, Black Malleable Iron Tee.....	118.54	51.49
			<i>For 300 LB Rating, Add</i>	104.01	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.66	
			<i>For Work In Restricted Working Space, Add</i>	23.14	
23 21 13 23-0087	EA		2-1/2", 150 LB, Black Malleable Iron Tee.....	190.77	67.69
			<i>For 300 LB Rating, Add</i>	220.36	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.43	
			<i>For Work In Restricted Working Space, Add</i>	30.45	
23 21 13 23-0088	EA		3", 150 LB, Black Malleable Iron Tee.....	252.04	80.41
			<i>For 300 LB Rating, Add</i>	322.86	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	2.10	
			<i>For Work In Restricted Working Space, Add</i>	36.16	
23 21 13 23-0089	EA		4", 150 LB, Black Malleable Iron Tee.....	452.92	90.10
			<i>For 300 LB Rating, Add</i>	770.94	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	5.09	
			<i>For Work In Restricted Working Space, Add</i>	40.52	
23 21 13 23-0090	EA		5", 150 LB, Black Malleable Iron Tee.....	1,123.60	106.96
			<i>For 300 LB Rating, Add</i>	2,321.33	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	15.41	
			<i>For Work In Restricted Working Space, Add</i>	48.12	
23 21 13 23-0091	EA		6", 150 LB, Black Malleable Iron Tee.....	1,216.99	122.26
			<i>For 300 LB Rating, Add</i>	2,491.85	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	16.54	
			<i>For Work In Restricted Working Space, Add</i>	54.99	
<b>23 21 13 23-0092</b>			<b>Black Malleable Iron Reducing Tees</b> (23 21 13 23-0014)		
23 21 13 23-0093	EA		1/2", 150 LB, Black Malleable Iron Reducing Tee.....	40.49	21.40
			<i>For 300 LB Rating, Add</i>	21.97	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13	
			<i>For Work In Restricted Working Space, Add</i>	9.64	
23 21 13 23-0094	EA		3/4", 150 LB, Black Malleable Iron Reducing Tee.....	47.98	24.78
			<i>For 300 LB Rating, Add</i>	28.38	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.17	
			<i>For Work In Restricted Working Space, Add</i>	11.12	
23 21 13 23-0095	EA		1", 150 LB, Black Malleable Iron Reducing Tee.....	57.56	29.22
			<i>For 300 LB Rating, Add</i>	35.61	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.22	
			<i>For Work In Restricted Working Space, Add</i>	13.15	
23 21 13 23-0096	EA		1-1/4", 150 LB, Black Malleable Iron Reducing Tee.....	79.14	34.81
			<i>For 300 LB Rating, Add</i>	67.98	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.43	
			<i>For Work In Restricted Working Space, Add</i>	15.64	
23 21 13 23-0097	EA		1-1/2", 150 LB, Black Malleable Iron Reducing Tee.....	92.14	41.47
			<i>For 300 LB Rating, Add</i>	75.59	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.48	
			<i>For Work In Restricted Working Space, Add</i>	18.66	
23 21 13 23-0098	EA		2", 150 LB, Black Malleable Iron Reducing Tee.....	120.59	51.49
			<i>For 300 LB Rating, Add</i>	108.93	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.70	
			<i>For Work In Restricted Working Space, Add</i>	23.14	
23 21 13 23-0099	EA		2-1/2", 150 LB, Black Malleable Iron Reducing Tee.....	236.92	67.69
			<i>For 300 LB Rating, Add</i>	331.12	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	2.17	
			<i>For Work In Restricted Working Space, Add</i>	30.45	
23 21 13 23-0100	EA		3", 150 LB, Black Malleable Iron Reducing Tee.....	275.65	80.41
			<i>For 300 LB Rating, Add</i>	379.52	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	2.48	
			<i>For Work In Restricted Working Space, Add</i>	36.16	
23 21 13 23-0101	EA		4", 150 LB, Black Malleable Iron Reducing Tee.....	511.26	90.10
			<i>For 300 LB Rating, Add</i>	910.96	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	6.02	
			<i>For Work In Restricted Working Space, Add</i>	40.52	
23 21 13 23-0102	EA		5", 150 LB, Black Malleable Iron Reducing Tee.....	1,032.96	106.96
			<i>For 300 LB Rating, Add</i>	2,103.79	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	13.96	
			<i>For Work In Restricted Working Space, Add</i>	48.12	
23 21 13 23-0103	EA		6", 150 LB, Black Malleable Iron Reducing Tee.....	1,172.99	122.26
			<i>For 300 LB Rating, Add</i>	2,386.25	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	15.84	
			<i>For Work In Restricted Working Space, Add</i>	54.99	

**23 21 13 23-0104 Black Malleable Iron Couplings** (23 21 13 23-0014)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0105 EA 3/8", 150 LB, Black Malleable Iron Coupling.....	28.01	14.27
<i>For 300 LB Rating, Add</i>	17.10	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.11	
<i>For Work In Restricted Working Space, Add</i>	6.43	
23 21 13 23-0106 EA 1/2", 150 LB, Black Malleable Iron Coupling.....	30.79	17.16
<i>For 300 LB Rating, Add</i>	13.73	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.08	
<i>For Work In Restricted Working Space, Add</i>	7.71	
23 21 13 23-0107 EA 3/4", 150 LB, Black Malleable Iron Coupling.....	34.72	19.19
<i>For 300 LB Rating, Add</i>	15.98	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.10	
<i>For Work In Restricted Working Space, Add</i>	8.63	
23 21 13 23-0108 EA 1", 150 LB, Black Malleable Iron Coupling.....	41.04	21.40
<i>For 300 LB Rating, Add</i>	23.29	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.14	
<i>For Work In Restricted Working Space, Add</i>	9.64	
23 21 13 23-0109 EA 1-1/4", 150 LB, Black Malleable Iron Coupling.....	47.91	24.30
<i>For 300 LB Rating, Add</i>	29.85	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.18	
<i>For Work In Restricted Working Space, Add</i>	10.91	
23 21 13 23-0110 EA 1-1/2", 150 LB, Black Malleable Iron Coupling.....	56.60	27.38
<i>For 300 LB Rating, Add</i>	39.83	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.25	
<i>For Work In Restricted Working Space, Add</i>	12.31	
23 21 13 23-0111 EA 2", 150 LB, Black Malleable Iron Coupling.....	75.21	34.81
<i>For 300 LB Rating, Add</i>	58.54	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.37	
<i>For Work In Restricted Working Space, Add</i>	15.64	
23 21 13 23-0112 EA 2-1/2", 150 LB, Black Malleable Iron Coupling.....	140.83	51.49
<i>For 300 LB Rating, Add</i>	157.51	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.02	
<i>For Work In Restricted Working Space, Add</i>	23.14	
23 21 13 23-0113 EA 3", 150 LB, Black Malleable Iron Coupling.....	187.62	67.69
<i>For 300 LB Rating, Add</i>	212.80	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.38	
<i>For Work In Restricted Working Space, Add</i>	30.45	
23 21 13 23-0114 EA 4", 150 LB, Black Malleable Iron Coupling.....	280.39	71.30
<i>For 300 LB Rating, Add</i>	422.72	
<i>For Standard Weight Cast Iron Fittings, Add</i>	2.78	
<i>For Work In Restricted Working Space, Add</i>	32.08	
23 21 13 23-0115 EA 5", 150 LB, Black Malleable Iron Coupling.....	599.99	74.42
<i>For 300 LB Rating, Add</i>	1,178.90	
<i>For Standard Weight Cast Iron Fittings, Add</i>	7.81	
<i>For Work In Restricted Working Space, Add</i>	33.47	
23 21 13 23-0116 EA 6", 150 LB, Black Malleable Iron Coupling.....	673.08	77.81
<i>For 300 LB Rating, Add</i>	1,342.43	
<i>For Standard Weight Cast Iron Fittings, Add</i>	8.90	
<i>For Work In Restricted Working Space, Add</i>	35.00	
<b>23 21 13 23-0117 Black Malleable Iron Reducing Couplings</b> <small>(23 21 13 23-0014)</small>		
23 21 13 23-0118 EA 1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	32.01	17.16
<i>For 300 LB Rating, Add</i>	16.66	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.10	
<i>For Work In Restricted Working Space, Add</i>	7.71	
23 21 13 23-0119 EA 3/4", 150 LB, Black Malleable Iron Reducing Coupling.....	35.45	19.19
<i>For 300 LB Rating, Add</i>	17.73	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.11	
<i>For Work In Restricted Working Space, Add</i>	8.63	
23 21 13 23-0120 EA 1", 150 LB, Black Malleable Iron Reducing Coupling.....	42.53	21.40
<i>For 300 LB Rating, Add</i>	26.86	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.17	
<i>For Work In Restricted Working Space, Add</i>	9.64	
23 21 13 23-0121 EA 1-1/4", 150 LB, Black Malleable Iron Reducing Coupling.....	49.74	24.30
<i>For 300 LB Rating, Add</i>	34.25	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.21	
<i>For Work In Restricted Working Space, Add</i>	10.91	
23 21 13 23-0122 EA 1-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	57.91	27.38
<i>For 300 LB Rating, Add</i>	42.97	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.27	
<i>For Work In Restricted Working Space, Add</i>	12.31	
23 21 13 23-0123 EA 2", 150 LB, Black Malleable Iron Reducing Coupling.....	76.58	34.81
<i>For 300 LB Rating, Add</i>	61.83	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.39	
<i>For Work In Restricted Working Space, Add</i>	15.64	
23 21 13 23-0124 EA 2-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	149.43	51.49
<i>For 300 LB Rating, Add</i>	178.15	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.16	
<i>For Work In Restricted Working Space, Add</i>	23.14	
23 21 13 23-0125 EA 3", 150 LB, Black Malleable Iron Reducing Coupling.....	189.38	67.69
<i>For 300 LB Rating, Add</i>	217.03	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.41	
<i>For Work In Restricted Working Space, Add</i>	30.45	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0126 EA 4", 150 LB, Black Malleable Iron Reducing Coupling.....	283.10	71.30
For 300 LB Rating, Add	429.22	
For Standard Weight Cast Iron Fittings, Add	2.82	
For Work In Restricted Working Space, Add	32.08	
23 21 13 23-0127 EA 5", 150 LB, Black Malleable Iron Reducing Coupling.....	507.53	74.42
For 300 LB Rating, Add	957.00	
For Standard Weight Cast Iron Fittings, Add	6.34	
For Work In Restricted Working Space, Add	33.47	
23 21 13 23-0128 EA 6", 150 LB, Black Malleable Iron Reducing Coupling.....	625.23	77.81
For 300 LB Rating, Add	1,227.59	
For Standard Weight Cast Iron Fittings, Add	8.14	
For Work In Restricted Working Space, Add	35.00	
<b>23 21 13 23-0129 Black Malleable Iron Caps (23 21 13 23-0014)</b>		
23 21 13 23-0130 EA 1/2", 150 LB, Black Malleable Iron Cap.....	15.28	7.62
For 300 LB Rating, Add	9.60	
For Standard Weight Cast Iron Fittings, Add	0.06	
For Work In Restricted Working Space, Add	3.47	
23 21 13 23-0131 EA 3/4", 150 LB, Black Malleable Iron Cap.....	17.96	8.58
For 300 LB Rating, Add	12.82	
For Standard Weight Cast Iron Fittings, Add	0.08	
For Work In Restricted Working Space, Add	3.88	
23 21 13 23-0132 EA 1", 150 LB, Black Malleable Iron Cap.....	20.55	9.55
For 300 LB Rating, Add	15.46	
For Standard Weight Cast Iron Fittings, Add	0.10	
For Work In Restricted Working Space, Add	4.34	
23 21 13 23-0133 EA 1-1/4", 150 LB, Black Malleable Iron Cap.....	24.38	10.80
For 300 LB Rating, Add	20.21	
For Standard Weight Cast Iron Fittings, Add	0.13	
For Work In Restricted Working Space, Add	4.91	
23 21 13 23-0134 EA 1-1/2", 150 LB, Black Malleable Iron Cap.....	29.48	12.15
For 300 LB Rating, Add	27.53	
For Standard Weight Cast Iron Fittings, Add	0.18	
For Work In Restricted Working Space, Add	5.54	
23 21 13 23-0135 EA 2", 150 LB, Black Malleable Iron Cap.....	39.52	15.53
For 300 LB Rating, Add	39.98	
For Standard Weight Cast Iron Fittings, Add	0.26	
For Work In Restricted Working Space, Add	7.04	
23 21 13 23-0136 EA 2-1/2", 150 LB, Black Malleable Iron Cap.....	71.58	22.95
For 300 LB Rating, Add	90.57	
For Standard Weight Cast Iron Fittings, Add	0.59	
For Work In Restricted Working Space, Add	10.41	
23 21 13 23-0137 EA 3", 150 LB, Black Malleable Iron Cap.....	100.05	30.18
For 300 LB Rating, Add	133.23	
For Standard Weight Cast Iron Fittings, Add	0.87	
For Work In Restricted Working Space, Add	13.70	
23 21 13 23-0138 EA 4", 150 LB, Black Malleable Iron Cap.....	141.36	31.80
For 300 LB Rating, Add	226.66	
For Standard Weight Cast Iron Fittings, Add	1.49	
For Work In Restricted Working Space, Add	14.44	
23 21 13 23-0139 EA 5", 150 LB, Black Malleable Iron Cap.....	272.44	33.17
For 300 LB Rating, Add	536.36	
For Standard Weight Cast Iron Fittings, Add	3.56	
For Work In Restricted Working Space, Add	15.06	
23 21 13 23-0140 EA 6", 150 LB, Black Malleable Iron Cap.....	459.86	34.65
For 300 LB Rating, Add	980.84	
For Standard Weight Cast Iron Fittings, Add	6.52	
For Work In Restricted Working Space, Add	15.75	
<b>23 21 13 23-0141 Black Malleable Iron Unions (23 21 13 23-0014)</b>		
23 21 13 23-0142 EA 3/8", 150 LB, Black Malleable Iron Union.....	39.22	14.27
For Work In Restricted Working Space, Add	6.43	
23 21 13 23-0143 EA 1/2", 150 LB, Black Malleable Iron Union.....	48.25	21.40
For Work In Restricted Working Space, Add	9.64	
23 21 13 23-0144 EA 3/4", 150 LB, Black Malleable Iron Union.....	55.60	24.78
For Work In Restricted Working Space, Add	11.12	
23 21 13 23-0145 EA 1", 150 LB, Black Malleable Iron Union.....	67.97	29.22
For Work In Restricted Working Space, Add	13.15	
23 21 13 23-0146 EA 1-1/4", 150 LB, Black Malleable Iron Union.....	86.75	34.81
For Work In Restricted Working Space, Add	15.64	
23 21 13 23-0147 EA 1-1/2", 150 LB, Black Malleable Iron Union.....	105.38	41.47
For Work In Restricted Working Space, Add	18.66	
23 21 13 23-0148 EA 2", 150 LB, Black Malleable Iron Union.....	127.34	51.49
For Work In Restricted Working Space, Add	23.14	
23 21 13 23-0149 EA 2-1/2", 150 LB, Black Malleable Iron Union.....	263.44	75.88
For Work In Restricted Working Space, Add	34.16	
23 21 13 23-0150 EA 3", 150 LB, Black Malleable Iron Union.....	329.89	99.80
For Work In Restricted Working Space, Add	44.95	
23 21 13 23-0151 EA 3/8", 250 LB, Black Malleable Iron Union.....	44.95	14.27
For Work In Restricted Working Space, Add	6.43	
23 21 13 23-0152 EA 1/2", 250 LB, Black Malleable Iron Union.....	59.13	21.40
For Work In Restricted Working Space, Add	9.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0153 EA 3/4", 250 LB, Black Malleable Iron Union.....	63.63	24.78
<i>For Work In Restricted Working Space, Add</i>	11.12	
23 21 13 23-0154 EA 1", 250 LB, Black Malleable Iron Union.....	76.40	29.22
<i>For Work In Restricted Working Space, Add</i>	13.15	
23 21 13 23-0155 EA 1-1/4", 250 LB, Black Malleable Iron Union .....	106.77	34.81
<i>For Work In Restricted Working Space, Add</i>	15.63	
23 21 13 23-0156 EA 1-1/2", 250 LB, Black Malleable Iron Union .....	125.14	41.47
<i>For Work In Restricted Working Space, Add</i>	18.66	
23 21 13 23-0157 EA 2", 250 LB, Black Malleable Iron Union.....	157.87	51.49
<i>For Work In Restricted Working Space, Add</i>	23.14	
23 21 13 23-0158 EA 2-1/2", 250 LB, Black Malleable Iron Union .....	366.93	75.88
<i>For Work In Restricted Working Space, Add</i>	34.16	
23 21 13 23-0159 EA 3", 250 LB, Black Malleable Iron Union.....	446.00	99.80
<i>For Work In Restricted Working Space, Add</i>	44.95	
23 21 13 23-0160 EA 4", 250 LB, Black Malleable Iron Union.....	682.81	105.21
<i>For Work In Restricted Working Space, Add</i>	47.35	
23 21 13 23-0161 EA 3/8", 300 LB, Black Malleable Iron Union.....	59.60	14.27
<i>For Work In Restricted Working Space, Add</i>	6.43	
23 21 13 23-0162 EA 1/2", 300 LB, Black Malleable Iron Union.....	63.03	21.40
<i>For Work In Restricted Working Space, Add</i>	9.64	
23 21 13 23-0163 EA 3/4", 300 LB, Black Malleable Iron Union.....	71.28	24.78
<i>For Work In Restricted Working Space, Add</i>	11.12	
23 21 13 23-0164 EA 1", 300 LB, Black Malleable Iron Union.....	88.48	29.22
<i>For Work In Restricted Working Space, Add</i>	13.15	
23 21 13 23-0165 EA 1-1/4", 300 LB, Black Malleable Iron Union .....	124.95	34.81
<i>For Work In Restricted Working Space, Add</i>	15.63	
23 21 13 23-0166 EA 1-1/2", 300 LB, Black Malleable Iron Union .....	138.49	41.47
<i>For Work In Restricted Working Space, Add</i>	18.66	
23 21 13 23-0167 EA 2", 300 LB, Black Malleable Iron Union.....	171.61	51.49
<i>For Work In Restricted Working Space, Add</i>	23.14	
23 21 13 23-0168 EA 2-1/2", 300 LB, Black Malleable Iron Union .....	418.49	75.88
<i>For Work In Restricted Working Space, Add</i>	34.16	
23 21 13 23-0169 EA 3", 300 LB, Black Malleable Iron Union.....	543.91	99.80
<i>For Work In Restricted Working Space, Add</i>	44.95	
23 21 13 23-0170 EA 4", 300 LB, Black Malleable Iron Union.....	1,408.61	105.21
<i>For Work In Restricted Working Space, Add</i>	47.35	
<b>23 21 13 23-0171 Black Steel Nipples</b> <small>(23 21 13 23-0014)</small>		
23 21 13 23-0172 EA 3/8" x Close, Schedule 40 Black Steel Nipple.....	15.91	9.16
<i>For Schedule 80 Nipples, Add</i>	1.07	
<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21 13 23-0173 EA 1/2" x Close, Schedule 40 Black Steel Nipple.....	15.58	9.16
<i>For Schedule 80 Nipples, Add</i>	0.91	
<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21 13 23-0174 EA 3/4" x Close, Schedule 40 Black Steel Nipple.....	15.84	9.16
<i>For Schedule 80 Nipples, Add</i>	1.04	
<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21 13 23-0175 EA 1" x Close, Schedule 40 Black Steel Nipple.....	17.84	9.93
<i>For Schedule 80 Nipples, Add</i>	1.51	
<i>For Work In Restricted Working Space, Add</i>	4.45	
23 21 13 23-0176 EA 1-1/4" x Close, Schedule 40 Black Steel Nipple .....	19.88	10.71
<i>For Schedule 80 Nipples, Add</i>	1.91	
<i>For Work In Restricted Working Space, Add</i>	4.82	
23 21 13 23-0177 EA 1-1/2" x Close, Schedule 40 Black Steel Nipple .....	20.82	10.71
<i>For Schedule 80 Nipples, Add</i>	2.38	
<i>For Work In Restricted Working Space, Add</i>	4.82	
23 21 13 23-0178 EA 2" x Close, Schedule 40 Black Steel Nipple.....	27.21	13.79
<i>For Schedule 80 Nipples, Add</i>	3.24	
<i>For Work In Restricted Working Space, Add</i>	6.22	
23 21 13 23-0179 EA 2-1/2" x Close, Schedule 40 Black Steel Nipple .....	45.96	17.16
<i>For Schedule 80 Nipples, Add</i>	10.13	
<i>For Work In Restricted Working Space, Add</i>	7.71	
23 21 13 23-0180 EA 3" x Close, Schedule 40 Black Steel Nipple.....	55.16	20.73
<i>For Schedule 80 Nipples, Add</i>	12.03	
<i>For Work In Restricted Working Space, Add</i>	9.33	
23 21 13 23-0181 EA 4" x Close, Schedule 40 Black Steel Nipple.....	72.90	24.47
<i>For Schedule 80 Nipples, Add</i>	18.12	
<i>For Work In Restricted Working Space, Add</i>	11.00	
23 21 13 23-0182 EA 3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple .....	16.20	9.16
<i>For Schedule 80 Nipples, Add</i>	1.22	
<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21 13 23-0183 EA 1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple .....	15.58	9.16
<i>For Schedule 80 Nipples, Add</i>	0.91	
<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21 13 23-0184 EA 3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple .....	16.00	9.16
<i>For Schedule 80 Nipples, Add</i>	1.12	
<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21 13 23-0185 EA 3/8" x 2" Long, Schedule 40 Black Steel Nipple.....	16.20	9.16
<i>For Schedule 80 Nipples, Add</i>	1.22	
<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21 13 23-0186 EA 1/2" x 2" Long, Schedule 40 Black Steel Nipple.....	15.58	9.16
<i>For Schedule 80 Nipples, Add</i>	0.91	
<i>For Work In Restricted Working Space, Add</i>	4.13	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple.....	16.00	9.16
			<i>For Schedule 80 Nipples, Add</i>	1.12	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21	13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple.....	18.13	9.93
			<i>For Schedule 80 Nipples, Add</i>	1.65	
			<i>For Work In Restricted Working Space, Add</i>	4.45	
23 21	13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple.....	20.40	10.71
			<i>For Schedule 80 Nipples, Add</i>	2.17	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
23 21	13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple.....	21.20	10.71
			<i>For Schedule 80 Nipples, Add</i>	2.57	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
23 21	13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	16.89	9.16
			<i>For Schedule 80 Nipples, Add</i>	1.56	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21	13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	15.91	9.16
			<i>For Schedule 80 Nipples, Add</i>	1.07	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21	13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	16.29	9.16
			<i>For Schedule 80 Nipples, Add</i>	1.26	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21	13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	18.33	9.93
			<i>For Schedule 80 Nipples, Add</i>	1.75	
			<i>For Work In Restricted Working Space, Add</i>	4.45	
23 21	13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	20.66	10.71
			<i>For Schedule 80 Nipples, Add</i>	2.30	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
23 21	13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	21.80	10.71
			<i>For Schedule 80 Nipples, Add</i>	2.87	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
23 21	13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	28.17	13.79
			<i>For Schedule 80 Nipples, Add</i>	3.72	
			<i>For Work In Restricted Working Space, Add</i>	6.22	
23 21	13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple.....	16.89	9.16
			<i>For Schedule 80 Nipples, Add</i>	1.56	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21	13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	15.91	9.16
			<i>For Schedule 80 Nipples, Add</i>	1.07	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21	13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple.....	16.29	9.16
			<i>For Schedule 80 Nipples, Add</i>	1.26	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21	13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple.....	18.33	9.93
			<i>For Schedule 80 Nipples, Add</i>	1.75	
			<i>For Work In Restricted Working Space, Add</i>	4.45	
23 21	13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple.....	20.66	10.71
			<i>For Schedule 80 Nipples, Add</i>	2.30	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
23 21	13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	21.80	10.71
			<i>For Schedule 80 Nipples, Add</i>	2.87	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
23 21	13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple.....	28.17	13.79
			<i>For Schedule 80 Nipples, Add</i>	3.72	
			<i>For Work In Restricted Working Space, Add</i>	6.22	
23 21	13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	46.49	17.16
			<i>For Schedule 80 Nipples, Add</i>	10.39	
			<i>For Work In Restricted Working Space, Add</i>	7.71	
23 21	13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple.....	57.26	20.73
			<i>For Schedule 80 Nipples, Add</i>	13.08	
			<i>For Work In Restricted Working Space, Add</i>	9.33	
23 21	13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	17.45	9.16
			<i>For Schedule 80 Nipples, Add</i>	1.84	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21	13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	16.33	9.16
			<i>For Schedule 80 Nipples, Add</i>	1.28	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21	13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	16.89	9.16
			<i>For Schedule 80 Nipples, Add</i>	1.56	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21	13 23-0210	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	19.16	9.93
			<i>For Schedule 80 Nipples, Add</i>	2.17	
			<i>For Work In Restricted Working Space, Add</i>	4.45	
23 21	13 23-0211	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	21.51	10.71
			<i>For Schedule 80 Nipples, Add</i>	2.72	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
23 21	13 23-0212	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	22.49	10.71
			<i>For Schedule 80 Nipples, Add</i>	3.21	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
23 21	13 23-0213	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	29.73	13.79
			<i>For Schedule 80 Nipples, Add</i>	4.50	
			<i>For Work In Restricted Working Space, Add</i>	6.22	
23 21	13 23-0214	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	50.15	17.16
			<i>For Schedule 80 Nipples, Add</i>	12.22	
			<i>For Work In Restricted Working Space, Add</i>	7.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0215 EA 3" x 3-1/2" Long, Schedule 40 Black Steel Nipple .....	62.07	20.73
For Schedule 80 Nipples, Add	15.49	
For Work In Restricted Working Space, Add	9.33	
23 21 13 23-0216 EA 3/8" x 4" Long, Schedule 40 Black Steel Nipple.....	17.45	9.16
For Schedule 80 Nipples, Add	1.84	
For Work In Restricted Working Space, Add	4.13	
23 21 13 23-0217 EA 1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	16.33	9.16
For Schedule 80 Nipples, Add	1.28	
For Work In Restricted Working Space, Add	4.13	
23 21 13 23-0218 EA 3/4" x 4" Long, Schedule 40 Black Steel Nipple.....	16.89	9.16
For Schedule 80 Nipples, Add	1.56	
For Work In Restricted Working Space, Add	4.13	
23 21 13 23-0219 EA 1" x 4" Long, Schedule 40 Black Steel Nipple.....	19.16	9.93
For Schedule 80 Nipples, Add	2.17	
For Work In Restricted Working Space, Add	4.45	
23 21 13 23-0220 EA 1-1/4" x 4" Long, Schedule 40 Black Steel Nipple .....	21.51	10.71
For Schedule 80 Nipples, Add	2.72	
For Work In Restricted Working Space, Add	4.82	
23 21 13 23-0221 EA 1-1/2" x 4" Long, Schedule 40 Black Steel Nipple .....	22.49	10.71
For Schedule 80 Nipples, Add	3.21	
For Work In Restricted Working Space, Add	4.82	
23 21 13 23-0222 EA 2" x 4" Long, Schedule 40 Black Steel Nipple.....	29.73	13.79
For Schedule 80 Nipples, Add	4.50	
For Work In Restricted Working Space, Add	6.22	
23 21 13 23-0223 EA 2-1/2" x 4" Long, Schedule 40 Black Steel Nipple .....	50.15	17.16
For Schedule 80 Nipples, Add	12.22	
For Work In Restricted Working Space, Add	7.71	
23 21 13 23-0224 EA 3" x 4" Long, Schedule 40 Black Steel Nipple.....	62.07	20.73
For Schedule 80 Nipples, Add	15.49	
For Work In Restricted Working Space, Add	9.33	
23 21 13 23-0225 EA 4" x 4" Long, Schedule 40 Black Steel Nipple.....	78.58	24.47
For Schedule 80 Nipples, Add	20.96	
For Work In Restricted Working Space, Add	11.00	
23 21 13 23-0226 EA 3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	19.08	9.16
For Schedule 80 Nipples, Add	2.66	
For Work In Restricted Working Space, Add	4.13	
23 21 13 23-0227 EA 1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	16.78	9.16
For Schedule 80 Nipples, Add	1.51	
For Work In Restricted Working Space, Add	4.13	
23 21 13 23-0228 EA 3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	17.69	9.16
For Schedule 80 Nipples, Add	1.96	
For Work In Restricted Working Space, Add	4.13	
23 21 13 23-0229 EA 1" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	19.96	9.93
For Schedule 80 Nipples, Add	2.57	
For Work In Restricted Working Space, Add	4.45	
23 21 13 23-0230 EA 1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	22.58	10.71
For Schedule 80 Nipples, Add	3.26	
For Work In Restricted Working Space, Add	4.82	
23 21 13 23-0231 EA 1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	23.92	10.71
For Schedule 80 Nipples, Add	3.93	
For Work In Restricted Working Space, Add	4.82	
23 21 13 23-0232 EA 2" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	31.09	13.79
For Schedule 80 Nipples, Add	5.18	
For Work In Restricted Working Space, Add	6.22	
23 21 13 23-0233 EA 2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	52.56	17.16
For Schedule 80 Nipples, Add	13.43	
For Work In Restricted Working Space, Add	7.71	
23 21 13 23-0234 EA 3" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	65.26	20.73
For Schedule 80 Nipples, Add	17.08	
For Work In Restricted Working Space, Add	9.33	
23 21 13 23-0235 EA 4" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	84.56	24.47
For Schedule 80 Nipples, Add	23.95	
For Work In Restricted Working Space, Add	11.00	
23 21 13 23-0236 EA 3/8" x 5" Long, Schedule 40 Black Steel Nipple.....	19.08	9.16
For Schedule 80 Nipples, Add	2.66	
For Work In Restricted Working Space, Add	4.13	
23 21 13 23-0237 EA 1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	16.78	9.16
For Schedule 80 Nipples, Add	1.51	
For Work In Restricted Working Space, Add	4.13	
23 21 13 23-0238 EA 3/4" x 5" Long, Schedule 40 Black Steel Nipple.....	17.69	9.16
For Schedule 80 Nipples, Add	1.96	
For Work In Restricted Working Space, Add	4.13	
23 21 13 23-0239 EA 1" x 5" Long, Schedule 40 Black Steel Nipple.....	19.96	9.93
For Schedule 80 Nipples, Add	2.57	
For Work In Restricted Working Space, Add	4.45	
23 21 13 23-0240 EA 1-1/4" x 5" Long, Schedule 40 Black Steel Nipple .....	22.58	10.71
For Schedule 80 Nipples, Add	3.26	
For Work In Restricted Working Space, Add	4.82	
23 21 13 23-0241 EA 1-1/2" x 5" Long, Schedule 40 Black Steel Nipple .....	23.92	10.71
For Schedule 80 Nipples, Add	3.93	
For Work In Restricted Working Space, Add	4.82	
23 21 13 23-0242 EA 2" x 5" Long, Schedule 40 Black Steel Nipple.....	31.09	13.79
For Schedule 80 Nipples, Add	5.18	
For Work In Restricted Working Space, Add	6.22	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	52.56	17.16
			<i>For Schedule 80 Nipples, Add</i>	13.43	
			<i>For Work In Restricted Working Space, Add</i>	7.71	
23 21	13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple.....	65.26	20.73
			<i>For Schedule 80 Nipples, Add</i>	17.08	
			<i>For Work In Restricted Working Space, Add</i>	9.33	
23 21	13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple.....	84.56	24.47
			<i>For Schedule 80 Nipples, Add</i>	23.95	
			<i>For Work In Restricted Working Space, Add</i>	11.00	
23 21	13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple.....	19.68	9.16
			<i>For Schedule 80 Nipples, Add</i>	2.96	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21	13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	17.14	9.16
			<i>For Schedule 80 Nipples, Add</i>	1.69	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21	13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple.....	18.23	9.16
			<i>For Schedule 80 Nipples, Add</i>	2.23	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21	13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple.....	20.90	9.93
			<i>For Schedule 80 Nipples, Add</i>	3.04	
			<i>For Work In Restricted Working Space, Add</i>	4.45	
23 21	13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple.....	23.79	10.71
			<i>For Schedule 80 Nipples, Add</i>	3.86	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
23 21	13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	25.08	10.71
			<i>For Schedule 80 Nipples, Add</i>	4.51	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
23 21	13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple.....	32.87	13.79
			<i>For Schedule 80 Nipples, Add</i>	6.07	
			<i>For Work In Restricted Working Space, Add</i>	6.22	
23 21	13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	53.70	17.16
			<i>For Schedule 80 Nipples, Add</i>	14.00	
			<i>For Work In Restricted Working Space, Add</i>	7.71	
23 21	13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple.....	68.23	20.73
			<i>For Schedule 80 Nipples, Add</i>	18.57	
			<i>For Work In Restricted Working Space, Add</i>	9.33	
23 21	13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple.....	87.86	24.47
			<i>For Schedule 80 Nipples, Add</i>	25.60	
			<i>For Work In Restricted Working Space, Add</i>	11.00	
23 21	13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple.....	24.14	9.16
			<i>For Schedule 80 Nipples, Add</i>	5.19	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21	13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	19.84	9.16
			<i>For Schedule 80 Nipples, Add</i>	3.04	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21	13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple.....	21.20	9.16
			<i>For Schedule 80 Nipples, Add</i>	3.72	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21	13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple.....	24.75	9.93
			<i>For Schedule 80 Nipples, Add</i>	4.96	
			<i>For Work In Restricted Working Space, Add</i>	4.45	
23 21	13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple.....	28.54	10.71
			<i>For Schedule 80 Nipples, Add</i>	6.24	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
23 21	13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	30.36	10.71
			<i>For Schedule 80 Nipples, Add</i>	7.15	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
23 21	13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple.....	41.08	13.79
			<i>For Schedule 80 Nipples, Add</i>	10.17	
			<i>For Work In Restricted Working Space, Add</i>	6.22	
23 21	13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	61.32	17.16
			<i>For Schedule 80 Nipples, Add</i>	17.81	
			<i>For Work In Restricted Working Space, Add</i>	7.71	
23 21	13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple.....	81.18	20.73
			<i>For Schedule 80 Nipples, Add</i>	25.04	
			<i>For Work In Restricted Working Space, Add</i>	9.33	
23 21	13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple.....	95.75	24.47
			<i>For Schedule 80 Nipples, Add</i>	29.55	
			<i>For Work In Restricted Working Space, Add</i>	11.00	
23 21	13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple.....	25.41	9.16
			<i>For Schedule 80 Nipples, Add</i>	5.82	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21	13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	21.06	9.16
			<i>For Schedule 80 Nipples, Add</i>	3.65	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21	13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple.....	22.40	9.16
			<i>For Schedule 80 Nipples, Add</i>	4.32	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21	13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple.....	26.43	9.93
			<i>For Schedule 80 Nipples, Add</i>	5.80	
			<i>For Work In Restricted Working Space, Add</i>	4.45	
23 21	13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple.....	31.01	10.71
			<i>For Schedule 80 Nipples, Add</i>	7.47	
			<i>For Work In Restricted Working Space, Add</i>	4.82	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0271 EA 1-1/2" x 10" Long, Schedule 40 Black Steel Nipple .....	32.79	10.71
<i>For Schedule 80 Nipples, Add</i>	8.36	
<i>For Work In Restricted Working Space, Add</i>	4.82	
23 21 13 23-0272 EA 2" x 10" Long, Schedule 40 Black Steel Nipple.....	44.64	13.79
<i>For Schedule 80 Nipples, Add</i>	11.95	
<i>For Work In Restricted Working Space, Add</i>	6.22	
23 21 13 23-0273 EA 2-1/2" x 10" Long, Schedule 40 Black Steel Nipple .....	65.71	17.16
<i>For Schedule 80 Nipples, Add</i>	20.00	
<i>For Work In Restricted Working Space, Add</i>	7.71	
23 21 13 23-0274 EA 3" x 10" Long, Schedule 40 Black Steel Nipple.....	87.36	20.73
<i>For Schedule 80 Nipples, Add</i>	28.13	
<i>For Work In Restricted Working Space, Add</i>	9.33	
23 21 13 23-0275 EA 4" x 10" Long, Schedule 40 Black Steel Nipple.....	103.96	24.47
<i>For Schedule 80 Nipples, Add</i>	33.65	
<i>For Work In Restricted Working Space, Add</i>	11.00	
23 21 13 23-0276 EA 3/8" x 12" Long, Schedule 40 Black Steel Nipple.....	27.02	9.16
<i>For Schedule 80 Nipples, Add</i>	6.63	
<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21 13 23-0277 EA 1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	22.42	9.16
<i>For Schedule 80 Nipples, Add</i>	4.33	
<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21 13 23-0278 EA 3/4" x 12" Long, Schedule 40 Black Steel Nipple.....	23.36	9.16
<i>For Schedule 80 Nipples, Add</i>	4.80	
<i>For Work In Restricted Working Space, Add</i>	4.13	
23 21 13 23-0279 EA 1" x 12" Long, Schedule 40 Black Steel Nipple.....	28.14	9.93
<i>For Schedule 80 Nipples, Add</i>	6.66	
<i>For Work In Restricted Working Space, Add</i>	4.45	
23 21 13 23-0280 EA 1-1/4" x 12" Long, Schedule 40 Black Steel Nipple .....	33.02	10.71
<i>For Schedule 80 Nipples, Add</i>	8.48	
<i>For Work In Restricted Working Space, Add</i>	4.82	
23 21 13 23-0281 EA 1-1/2" x 12" Long, Schedule 40 Black Steel Nipple .....	35.34	10.71
<i>For Schedule 80 Nipples, Add</i>	9.64	
<i>For Work In Restricted Working Space, Add</i>	4.82	
23 21 13 23-0282 EA 2" x 12" Long, Schedule 40 Black Steel Nipple.....	48.26	13.79
<i>For Schedule 80 Nipples, Add</i>	13.76	
<i>For Work In Restricted Working Space, Add</i>	6.22	
23 21 13 23-0283 EA 2-1/2" x 12" Long, Schedule 40 Black Steel Nipple .....	70.22	17.16
<i>For Schedule 80 Nipples, Add</i>	22.26	
<i>For Work In Restricted Working Space, Add</i>	7.71	
23 21 13 23-0284 EA 3" x 12" Long, Schedule 40 Black Steel Nipple.....	93.54	20.73
<i>For Schedule 80 Nipples, Add</i>	31.22	
<i>For Work In Restricted Working Space, Add</i>	9.33	
23 21 13 23-0285 EA 4" x 12" Long, Schedule 40 Black Steel Nipple.....	115.55	24.47
<i>For Schedule 80 Nipples, Add</i>	39.45	
<i>For Work In Restricted Working Space, Add</i>	11.00	
<b>23 21 13 23-0286 Black Malleable Iron Bushing <small>(2321 13 23-0014)</small></b>		
23 21 13 23-0287 EA 1/2" x 3/8", 150 LB, Black Malleable Iron Bushing .....	29.20	15.72
<i>For Work In Restricted Working Space, Add</i>	7.07	
23 21 13 23-0288 EA 3/4" x 3/8", 150 LB, Black Malleable Iron Bushing .....	33.45	16.88
<i>For Work In Restricted Working Space, Add</i>	7.60	
23 21 13 23-0289 EA 3/4" x 1/2", 150 LB, Black Malleable Iron Bushing .....	35.38	18.13
<i>For Work In Restricted Working Space, Add</i>	8.18	
23 21 13 23-0290 EA 1" x 3/8", 150 LB, Black Malleable Iron Bushing.....	38.21	18.03
<i>For Work In Restricted Working Space, Add</i>	8.10	
23 21 13 23-0291 EA 1" x 1/2", 150 LB, Black Malleable Iron Bushing .....	37.30	19.29
<i>For Work In Restricted Working Space, Add</i>	8.68	
23 21 13 23-0292 EA 1" x 3/4", 150 LB, Black Malleable Iron Bushing .....	38.84	20.34
<i>For Work In Restricted Working Space, Add</i>	9.14	
23 21 13 23-0293 EA 1-1/4" x 3/8", 150 LB, Black Malleable Iron Bushing.....	41.70	19.38
<i>For Work In Restricted Working Space, Add</i>	8.74	
23 21 13 23-0294 EA 1-1/4" x 1/2", 150 LB, Black Malleable Iron Bushing.....	43.06	20.73
<i>For Work In Restricted Working Space, Add</i>	9.32	
23 21 13 23-0295 EA 1-1/4" x 3/4", 150 LB, Black Malleable Iron Bushing.....	43.39	21.70
<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21 13 23-0296 EA 1-1/4" x 1", 150 LB, Black Malleable Iron Bushing.....	45.07	22.85
<i>For Work In Restricted Working Space, Add</i>	10.28	
23 21 13 23-0297 EA 1-1/2" x 3/8", 150 LB, Black Malleable Iron Bushing.....	48.03	21.02
<i>For Work In Restricted Working Space, Add</i>	9.43	
23 21 13 23-0298 EA 1-1/2" x 1/2", 150 LB, Black Malleable Iron Bushing.....	47.05	22.27
<i>For Work In Restricted Working Space, Add</i>	10.01	
23 21 13 23-0299 EA 1-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing.....	48.58	23.24
<i>For Work In Restricted Working Space, Add</i>	10.47	
23 21 13 23-0300 EA 1-1/2" x 1", 150 LB, Black Malleable Iron Bushing.....	48.60	24.40
<i>For Work In Restricted Working Space, Add</i>	10.98	
23 21 13 23-0301 EA 1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	52.42	25.84
<i>For Work In Restricted Working Space, Add</i>	11.61	
23 21 13 23-0302 EA 2" x 3/8", 150 LB, Black Malleable Iron Bushing .....	60.42	24.68
<i>For Work In Restricted Working Space, Add</i>	11.10	
23 21 13 23-0303 EA 2" x 1/2", 150 LB, Black Malleable Iron Bushing .....	59.57	25.94
<i>For Work In Restricted Working Space, Add</i>	11.68	
23 21 13 23-0304 EA 2" x 3/4", 150 LB, Black Malleable Iron Bushing .....	57.92	27.00
<i>For Work In Restricted Working Space, Add</i>	12.14	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0305	EA	2" x 1", 150 LB, Black Malleable Iron Bushing.....	58.50	28.06
			<i>For Work In Restricted Working Space, Add</i>	12.64	
23 21	13 23-0306	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	60.62	29.51
			<i>For Work In Restricted Working Space, Add</i>	13.28	
23 21	13 23-0307	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	64.79	31.05
			<i>For Work In Restricted Working Space, Add</i>	13.97	
23 21	13 23-0308	EA	2-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing.....	82.72	35.29
			<i>For Work In Restricted Working Space, Add</i>	15.89	
23 21	13 23-0309	EA	2-1/2" x 1", 150 LB, Black Malleable Iron Bushing.....	84.39	36.45
			<i>For Work In Restricted Working Space, Add</i>	16.39	
23 21	13 23-0310	EA	2-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	86.51	37.80
			<i>For Work In Restricted Working Space, Add</i>	17.03	
23 21	13 23-0311	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	86.80	39.44
			<i>For Work In Restricted Working Space, Add</i>	17.73	
23 21	13 23-0312	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Bushing.....	92.12	43.10
			<i>For Work In Restricted Working Space, Add</i>	19.39	
23 21	13 23-0313	EA	3" x 3/4", 150 LB, Black Malleable Iron Bushing.....	106.29	43.39
			<i>For Work In Restricted Working Space, Add</i>	19.55	
23 21	13 23-0314	EA	3" x 1", 150 LB, Black Malleable Iron Bushing.....	107.96	44.55
			<i>For Work In Restricted Working Space, Add</i>	20.05	
23 21	13 23-0315	EA	3" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	110.08	45.99
			<i>For Work In Restricted Working Space, Add</i>	20.68	
23 21	13 23-0316	EA	3" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	111.61	47.53
			<i>For Work In Restricted Working Space, Add</i>	21.38	
23 21	13 23-0317	EA	3" x 2", 150 LB, Black Malleable Iron Bushing.....	114.51	51.20
			<i>For Work In Restricted Working Space, Add</i>	23.04	
23 21	13 23-0318	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Bushing.....	127.57	59.59
			<i>For Work In Restricted Working Space, Add</i>	26.79	
23 21	13 23-0319	EA	4" x 3/4", 150 LB, Black Malleable Iron Bushing.....	146.06	44.73
			<i>For Work In Restricted Working Space, Add</i>	20.15	
23 21	13 23-0320	EA	4" x 1", 150 LB, Black Malleable Iron Bushing.....	147.65	45.82
			<i>For Work In Restricted Working Space, Add</i>	20.62	
23 21	13 23-0321	EA	4" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	149.67	47.20
			<i>For Work In Restricted Working Space, Add</i>	21.23	
23 21	13 23-0322	EA	4" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	151.87	48.67
			<i>For Work In Restricted Working Space, Add</i>	21.89	
23 21	13 23-0323	EA	4" x 2", 150 LB, Black Malleable Iron Bushing.....	152.91	52.15
			<i>For Work In Restricted Working Space, Add</i>	23.47	
23 21	13 23-0324	EA	4" x 2-1/2", 150 LB, Black Malleable Iron Bushing.....	164.79	60.12
			<i>For Work In Restricted Working Space, Add</i>	27.04	
23 21	13 23-0325	EA	4" x 3", 150 LB, Black Malleable Iron Bushing.....	176.37	67.82
			<i>For Work In Restricted Working Space, Add</i>	30.51	
<b>23 21 13 23-0326 Black Malleable Iron Square Head Plugs (23 21 13 23-0014)</b>					
23 21	13 23-0327	EA	3/8", 150 LB, Black Malleable Iron Square Head Plug.....	12.88	5.69
			<i>For Work In Restricted Working Space, Add</i>	2.57	
23 21	13 23-0328	EA	1/2", 150 LB, Black Malleable Iron Square Head Plug.....	14.88	6.85
			<i>For Work In Restricted Working Space, Add</i>	3.08	
23 21	13 23-0329	EA	3/4", 150 LB, Black Malleable Iron Square Head Plug.....	16.11	7.71
			<i>For Work In Restricted Working Space, Add</i>	3.45	
23 21	13 23-0330	EA	1", 150 LB, Black Malleable Iron Square Head Plug.....	18.63	8.58
			<i>For Work In Restricted Working Space, Add</i>	3.86	
23 21	13 23-0331	EA	1-1/4", 150 LB, Black Malleable Iron Square Head Plug.....	21.83	9.74
			<i>For Work In Restricted Working Space, Add</i>	4.37	
23 21	13 23-0332	EA	1-1/2", 150 LB, Black Malleable Iron Square Head Plug.....	26.56	10.90
			<i>For Work In Restricted Working Space, Add</i>	4.92	
23 21	13 23-0333	EA	2", 150 LB, Black Malleable Iron Square Head Plug.....	35.28	13.88
			<i>For Work In Restricted Working Space, Add</i>	6.26	
23 21	13 23-0334	EA	2-1/2", 150 LB, Black Malleable Iron Square Head Plug.....	57.13	20.54
			<i>For Work In Restricted Working Space, Add</i>	9.26	
23 21	13 23-0335	EA	3", 150 LB, Black Malleable Iron Square Head Plug.....	76.66	27.10
			<i>For Work In Restricted Working Space, Add</i>	12.18	
23 21	13 23-0336	EA	4", 150 LB, Black Malleable Iron Square Head Plug.....	118.42	28.50
			<i>For Work In Restricted Working Space, Add</i>	12.83	
23 21	13 23-0337	EA	5", 150 LB, Black Malleable Iron Square Head Plug.....	207.11	29.78
			<i>For Work In Restricted Working Space, Add</i>	13.39	
23 21	13 23-0338	EA	6", 150 LB, Black Malleable Iron Square Head Plug.....	247.91	31.06
			<i>For Work In Restricted Working Space, Add</i>	14.00	
<b>23 21 13 23-0339 125 LB Black Cast Iron Screwed Flanges (23 21 13 23-0014)</b>					
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.					
23 21	13 23-0340	EA	3/4", 125 LB, Black Cast Iron Flange.....	140.21	38.57
			<i>For Work In Restricted Working Space, Add</i>	17.36	
23 21	13 23-0341	EA	1", 125 LB, Black Cast Iron Flange.....	117.75	43.58
			<i>For Work In Restricted Working Space, Add</i>	19.61	
23 21	13 23-0342	EA	1-1/4", 125 LB, Black Cast Iron Flange.....	130.33	45.13
			<i>For Work In Restricted Working Space, Add</i>	20.30	
23 21	13 23-0343	EA	1-1/2", 125 LB, Black Cast Iron Flange.....	131.52	49.08
			<i>For Work In Restricted Working Space, Add</i>	22.08	
23 21	13 23-0344	EA	2", 125 LB, Black Cast Iron Flange.....	134.62	51.20
			<i>For Work In Restricted Working Space, Add</i>	23.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0345 EA 2-1/2", 125 LB, Black Cast Iron Flange.....	156.46	59.30
For Work In Restricted Working Space, Add	26.66	
23 21 13 23-0346 EA 3", 125 LB, Black Cast Iron Flange.....	199.86	75.21
For Work In Restricted Working Space, Add	33.83	
23 21 13 23-0347 EA 4", 125 LB, Black Cast Iron Flange.....	264.02	97.79
For Work In Restricted Working Space, Add	43.99	
23 21 13 23-0348 EA 5", 125 LB, Black Cast Iron Flange.....	340.38	116.49
For Work In Restricted Working Space, Add	52.37	
23 21 13 23-0349 EA 6", 125 LB, Black Cast Iron Flange.....	388.09	133.72
For Work In Restricted Working Space, Add	60.15	
<b>23 21 13 23-0350 150 LB, Black Malleable Iron Flanges</b> <small>(23 21 13 23-0014)</small>		
<small>Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.</small>		
23 21 13 23-0351 EA 1/2", 150 LB, Black Malleable Iron Flange.....	71.05	35.19
For Work In Restricted Working Space, Add	15.85	
23 21 13 23-0352 EA 3/4", 150 LB, Black Malleable Iron Flange.....	77.48	38.57
For Work In Restricted Working Space, Add	17.36	
23 21 13 23-0353 EA 1", 150 LB, Black Malleable Iron Flange.....	90.87	43.58
For Work In Restricted Working Space, Add	19.61	
23 21 13 23-0354 EA 1-1/4", 150 LB, Black Malleable Iron Flange.....	94.93	45.13
For Work In Restricted Working Space, Add	20.30	
23 21 13 23-0355 EA 1-1/2", 150 LB, Black Malleable Iron Flange.....	103.36	49.08
For Work In Restricted Working Space, Add	22.08	
23 21 13 23-0356 EA 2", 150 LB, Black Malleable Iron Flange.....	115.62	51.20
For Work In Restricted Working Space, Add	23.05	
23 21 13 23-0357 EA 2-1/2", 150 LB, Black Malleable Iron Flange.....	149.69	59.30
For Work In Restricted Working Space, Add	26.66	
23 21 13 23-0358 EA 3", 150 LB, Black Malleable Iron Flange.....	189.64	75.21
For Work In Restricted Working Space, Add	33.82	
23 21 13 23-0359 EA 4", 150 LB, Black Malleable Iron Flange.....	277.22	97.79
For Work In Restricted Working Space, Add	43.98	
<b>23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe</b> <small>(23 21 13 23-0014)</small>		
<small>Note: For use when connecting pipe to an existing in-place system.</small>		
23 21 13 23-0361 EA 1/2", Cut And Thread Existing In Place Black Steel Pipe.....	31.41	
For Work In Restricted Working Space, Add	9.42	
23 21 13 23-0362 EA 3/4", Cut And Thread Existing In Place Black Steel Pipe.....	34.55	
For Work In Restricted Working Space, Add	10.37	
23 21 13 23-0363 EA 1", Cut And Thread Existing In Place Black Steel Pipe.....	37.70	
For Work In Restricted Working Space, Add	11.31	
23 21 13 23-0364 EA 1-1/4", Cut And Thread Existing In Place Black Steel Pipe.....	40.83	
For Work In Restricted Working Space, Add	12.25	
23 21 13 23-0365 EA 1-1/2", Cut And Thread Existing In Place Black Steel Pipe.....	42.92	
For Work In Restricted Working Space, Add	12.88	
23 21 13 23-0366 EA 2", Cut And Thread Existing In Place Black Steel Pipe.....	45.02	
For Work In Restricted Working Space, Add	13.51	
23 21 13 23-0367 EA 2-1/2", Cut And Thread Existing In Place Black Steel Pipe.....	47.12	
For Work In Restricted Working Space, Add	14.14	
23 21 13 23-0368 EA 3", Cut And Thread Existing In Place Black Steel Pipe.....	49.21	
For Work In Restricted Working Space, Add	14.76	
23 21 13 23-0369 EA 4", Cut And Thread Existing In Place Black Steel Pipe.....	51.30	
For Work In Restricted Working Space, Add	15.39	
23 21 13 23-0370 EA 6", Cut And Thread Existing In Place Black Steel Pipe.....	55.49	
For Work In Restricted Working Space, Add	16.65	
23 21 13 23-0371 EA 8", Cut And Thread Existing In Place Black Steel Pipe.....	59.67	
For Work In Restricted Working Space, Add	17.90	
23 21 13 23-0372 EA 10", Cut And Thread Existing In Place Black Steel Pipe.....	64.91	
For Work In Restricted Working Space, Add	19.47	
23 21 13 23-0373 EA 12", Cut And Thread Existing In Place Black Steel Pipe.....	69.10	
For Work In Restricted Working Space, Add	20.73	
<b>23 21 13 23-0374 Welded Black Steel Pipe</b> <small>(23 21 13 23)</small>		
<b>23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies</b> <small>(23 21 13 23-0374)</small>		
<small>Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</small>		
23 21 13 23-0376 LF 3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	23.65	7.34
For Work In Restricted Working Space, Add	5.37	
23 21 13 23-0377 LF 1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	26.37	7.83
For Work In Restricted Working Space, Add	6.01	
23 21 13 23-0378 LF 1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	31.72	8.32
For Work In Restricted Working Space, Add	6.89	
23 21 13 23-0379 LF 1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	34.08	8.32
For Work In Restricted Working Space, Add	7.21	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	39.00 8.35	8.32
23 21	13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	45.20 9.68	8.32
23 21	13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	52.95 10.21	8.12
23 21	13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	70.26 12.53	10.10
23 21	13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	96.02 14.43	15.05
23 21	13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	145.88 21.41	18.69
23 21	13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	195.61 25.53	23.37
23 21	13 23-0387	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	246.72 29.50	28.23
23 21	13 23-0388	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	272.22 32.91	36.83
23 21	13 23-0389	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	316.60 36.77	46.75
23 21	13 23-0390	LF	18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	403.84 40.35	57.87
23 21	13 23-0391	LF	20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	516.80 46.18	71.52
23 21	13 23-0392	LF	24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	639.77 50.78	81.06
23 21	13 23-0393		<b>Welded Black Steel Pipe And Fittings</b> (23 21 13 23-0374) Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.		
23 21	13 23-0394		<b>Welded Plain End Black Steel Piping</b> (23 21 13 23-0393) Note: ASTM A-53		
23 21	13 23-0395	LF	3/4" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.18 1.64 0.28 2.35	3.92
23 21	13 23-0396	LF	1" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.90 2.09 0.37 2.93	4.89
23 21	13 23-0397	LF	1-1/4" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.33 2.68 0.55 3.53	5.87
23 21	13 23-0398	LF	1-1/2" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.78 3.27 0.73 4.11	6.85
23 21	13 23-0399	LF	2" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.52 3.89 0.87 4.88	8.12
23 21	13 23-0400	LF	2-1/2" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.88 6.19 1.02 5.52	9.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0401 LF 3" Schedule 40, Welded Plain End Black Steel Pipe .....	33.24	9.88
<i>For Schedule 80 Pipe, Add</i>	8.17	
<i>For Schedule A-106 Pipe, Add</i>	1.62	
<i>For Work In Restricted Working Space, Add</i>	5.93	
23 21 13 23-0402 LF 4" Schedule 40, Welded Plain End Black Steel Pipe .....	46.05	12.24
<i>For Schedule 80 Pipe, Add</i>	11.84	
<i>For Schedule A-106 Pipe, Add</i>	2.59	
<i>For Work In Restricted Working Space, Add</i>	7.34	
23 21 13 23-0403 LF 6" Schedule 40, Welded Plain End Black Steel Pipe .....	66.51	19.82
<i>For Schedule 80 Pipe, Add</i>	17.97	
<i>For Schedule A-106 Pipe, Add</i>	4.34	
<i>For Work In Restricted Working Space, Add</i>	9.10	
23 21 13 23-0404 LF 8" Schedule 40, Welded Plain End Black Steel Pipe .....	94.74	20.10
<i>For Schedule 80 Pipe, Add</i>	26.12	
<i>For Schedule A-106 Pipe, Add</i>	6.54	
<i>For Schedule 30 Pipe, Deduct</i>	-14.93	
<i>For Work In Restricted Working Space, Add</i>	12.06	
23 21 13 23-0405 LF 10" Schedule 40, Welded Plain End Black Steel Pipe .....	125.62	24.21
<i>For Schedule 80 Pipe, Add</i>	35.49	
<i>For Schedule A-106 Pipe, Add</i>	9.26	
<i>For Schedule 30 Pipe, Deduct</i>	-20.28	
<i>For Work In Restricted Working Space, Add</i>	14.53	
23 21 13 23-0406 LF 12" Schedule 40, Welded Plain End Black Steel Pipe .....	160.61	29.26
<i>For Schedule 80 Pipe, Add</i>	45.97	
<i>For Schedule A-106 Pipe, Add</i>	12.25	
<i>For Schedule 30 Pipe, Deduct</i>	-26.27	
<i>For Work In Restricted Working Space, Add</i>	17.56	
23 21 13 23-0407 LF 14" Schedule 40, Welded Plain End Black Steel Pipe .....	154.79	30.85
<i>For Schedule 80 Pipe, Add</i>	43.38	
<i>For Schedule A-106 Pipe, Add</i>	11.17	
<i>For Schedule 30 Pipe, Deduct</i>	-24.79	
<i>For Schedule 20 Pipe, Deduct</i>	-44.92	
<i>For Work In Restricted Working Space, Add</i>	18.51	
23 21 13 23-0408 LF 16" Schedule 40, Welded Plain End Black Steel Pipe .....	170.43	33.18
<i>For Schedule 80 Pipe, Add</i>	48.03	
<i>For Schedule A-106 Pipe, Add</i>	12.49	
<i>For Schedule 30 Pipe, Deduct</i>	-27.45	
<i>For Schedule 20 Pipe, Deduct</i>	-49.69	
<i>For Work In Restricted Working Space, Add</i>	19.91	
23 21 13 23-0409 LF 18" Schedule 40, Welded Plain End Black Steel Pipe .....	216.01	35.90
<i>For Schedule 80 Pipe, Add</i>	63.04	
<i>For Schedule A-106 Pipe, Add</i>	17.31	
<i>For Schedule 30 Pipe, Deduct</i>	-36.02	
<i>For Schedule 20 Pipe, Deduct</i>	-64.83	
<i>For Work In Restricted Working Space, Add</i>	21.54	
23 21 13 23-0410 LF 20" Schedule 40, Welded Plain End Black Steel Pipe .....	255.34	43.00
<i>For Schedule 80 Pipe, Add</i>	74.32	
<i>For Schedule A-106 Pipe, Add</i>	20.32	
<i>For Work In Restricted Working Space, Add</i>	25.80	
23 21 13 23-0411 LF 24" Schedule 40, Welded Plain End Black Steel Pipe .....	317.65	49.46
<i>For Schedule 80 Pipe, Add</i>	93.87	
<i>For Schedule A-106 Pipe, Add</i>	26.25	
<i>For Work In Restricted Working Space, Add</i>	29.67	
<b>23 21 13 23-0412 Welded Plain End Black Steel 90 Degree Elbows</b> <small>(23 21 13 23-0393)</small>		
23 21 13 23-0413 EA 3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	110.27	59.27
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	23.75	
<i>For Work In Restricted Working Space, Add</i>	26.65	
23 21 13 23-0414 EA 1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	114.92	62.36
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	24.66	
<i>For Work In Restricted Working Space, Add</i>	28.04	
23 21 13 23-0415 EA 1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	128.01	71.05
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	27.21	
<i>For Work In Restricted Working Space, Add</i>	31.97	
23 21 13 23-0416 EA 1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	136.42	76.66
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	28.85	
<i>For Work In Restricted Working Space, Add</i>	34.49	
23 21 13 23-0417 EA 2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	171.00	99.75
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	35.60	
<i>For Work In Restricted Working Space, Add</i>	44.87	
23 21 13 23-0418 EA 2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	215.54	124.71
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	45.03	
<i>For Work In Restricted Working Space, Add</i>	56.08	
23 21 13 23-0419 EA 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	232.48	132.32
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	48.92	
<i>For Work In Restricted Working Space, Add</i>	59.49	
23 21 13 23-0420 EA 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	399.28	228.62
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	83.79	
<i>For Work In Restricted Working Space, Add</i>	102.83	
23 21 13 23-0421 EA 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	704.68	377.29
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	152.00	
<i>For Work In Restricted Working Space, Add</i>	169.71	
23 21 13 23-0422 EA 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	1,017.51	506.61
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	225.50	
<i>For Work In Restricted Working Space, Add</i>	227.88	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0423	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,341.65 311.34 260.43	579.06
23 21	13 23-0424	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,822.49 427.48 340.75	757.63
23 21	13 23-0425	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,272.01 540.63 402.79	895.52
23 21	13 23-0426	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,839.91 687.36 470.34	1,045.76
23 21	13 23-0427	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,385.48 832.08 524.46	1,166.09
23 21	13 23-0428	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,366.68 1,104.18 588.07	1,307.44
23 21	13 23-0429	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	5,170.57 1,338.48 607.68	1,351.10
<b>23 21 13 23-0430 Welded Plain End Black Steel Reducing 90 Degree Elbows (23 21 13 23-0393)</b>					
23 21	13 23-0431	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	575.89 136.71 103.02	229.01
23 21	13 23-0432	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,014.02 245.48 167.78	372.98
23 21	13 23-0433	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,092.00 268.88 167.78	372.98
23 21	13 23-0434	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,718.93 435.92 227.88	506.61
23 21	13 23-0435	EA	8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,904.84 491.69 227.88	506.61
23 21	13 23-0436	EA	10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,401.52 629.30 260.43	579.06
23 21	13 23-0437	EA	10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,401.52 629.30 260.43	579.06
23 21	13 23-0438	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,004.48 1,079.81 347.24	772.03
23 21	13 23-0439	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,004.48 1,079.81 347.24	772.03
23 21	13 23-0440	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,510.19 1,231.52 347.24	772.03
<b>23 21 13 23-0441 Welded Plain End Black Steel 45 Degree Elbows (23 21 13 23-0393)</b>					
23 21	13 23-0442	EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	100.20 21.33 24.95	55.49
23 21	13 23-0443	EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	103.14 21.90 25.84	57.45
23 21	13 23-0444	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	115.87 24.38 29.66	65.96
23 21	13 23-0445	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	123.70 25.91 32.00	71.15
23 21	13 23-0446	EA	2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	155.02 32.02 41.40	91.99
23 21	13 23-0447	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	193.05 39.73 51.97	115.58
23 21	13 23-0448	EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	223.23 46.15 59.48	132.22
23 21	13 23-0449	EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	383.94 79.20 102.80	228.52
23 21	13 23-0450	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	666.52 140.62 169.52	376.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0451 EA 8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	947.91 204.62 227.88	506.61
23 21 13 23-0452 EA 10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,213.87 273.01 260.43	579.06
23 21 13 23-0453 EA 12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,635.09 371.49 340.12	756.23
23 21 13 23-0454 EA 14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,023.01 465.74 403.33	896.74
23 21 13 23-0455 EA 16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,495.01 584.06 469.85	1,044.64
23 21 13 23-0456 EA 18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,941.64 699.14 523.86	1,164.68
23 21 13 23-0457 EA 20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,717.30 909.36 588.07	1,307.44
23 21 13 23-0458 EA 24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,321.89 1,083.88 607.68	1,351.10
<b>23 21 13 23-0459 Welded Plain End Black Steel Tee (23 21 13 23-0393)</b>		
23 21 13 23-0460 EA 3/4" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	208.00 45.96 46.98	104.43
23 21 13 23-0461 EA 1" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	207.95 45.95 46.96	104.43
23 21 13 23-0462 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.11 52.55 52.24	116.17
23 21 13 23-0463 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	257.70 56.76 58.72	130.55
23 21 13 23-0464 EA 2" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	316.14 67.40 78.40	174.31
23 21 13 23-0465 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	361.70 77.68 88.08	195.84
23 21 13 23-0466 EA 3" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	431.62 92.08 106.87	237.82
23 21 13 23-0467 EA 4" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	619.96 131.90 154.53	343.62
23 21 13 23-0468 EA 6" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,041.90 223.21 255.31	567.64
23 21 13 23-0469 EA 8" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,510.89 331.73 347.24	772.03
23 21 13 23-0470 EA 10" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,942.95 441.09 405.12	900.67
23 21 13 23-0471 EA 12" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,637.45 608.93 520.87	1,158.04
23 21 13 23-0472 EA 14" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,474.58 829.69 607.68	1,351.10
23 21 13 23-0473 EA 16" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,182.44 999.51 729.21	1,621.28
23 21 13 23-0474 EA 18" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,562.19 1,385.08 810.23	1,801.43
23 21 13 23-0475 EA 20" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,456.03 1,917.78 911.51	2,026.64
23 21 13 23-0476 EA 24" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,660.44 2,254.56 981.63	2,182.54
<b>23 21 13 23-0477 Welded Plain End Black Steel Reducing Tees (23 21 13 23-0393)</b>		
23 21 13 23-0478 EA 3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	203.10 45.00 45.51	101.19

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0479	EA	1" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	207.95 45.95 46.96	104.43
23 21	13 23-0480	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	232.82 51.56 52.24	116.17
23 21	13 23-0481	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	254.41 55.77 58.72	130.55
23 21	13 23-0482	EA	2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	323.51 69.61 78.42	174.31
23 21	13 23-0483	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	361.82 77.71 88.12	195.93
23 21	13 23-0484	EA	3" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	431.97 92.19 106.87	237.82
23 21	13 23-0485	EA	4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	620.44 132.05 154.53	343.62
23 21	13 23-0486	EA	6" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,042.73 223.46 255.31	567.64
23 21	13 23-0487	EA	8" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,512.49 332.21 347.24	772.03
23 21	13 23-0488	EA	10" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,945.66 441.91 405.12	900.67
23 21	13 23-0489	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,641.55 610.16 520.87	1,158.04
23 21	13 23-0490	EA	14" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,481.17 831.66 607.68	1,351.10
23 21	13 23-0491	EA	16" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,190.41 1,001.90 729.21	1,621.28
23 21	13 23-0492	EA	18" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,575.23 1,388.99 810.23	1,801.43
23 21	13 23-0493	EA	20" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,582.65 1,955.77 911.51	2,026.64
23 21	13 23-0494	EA	24" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	9,226.06 2,424.25 981.63	2,182.54
23 21	13 23-0495		<b>Welded Plain End Black Steel Eccentric Reducers</b> (23 21 13 23-0393)		
23 21	13 23-0496	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	193.78 48.12 28.62	63.65
23 21	13 23-0497	EA	1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	203.07 49.93 31.41	69.84
23 21	13 23-0498	EA	1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	200.64 49.45 30.68	68.21
23 21	13 23-0499	EA	1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	214.33 52.12 34.79	77.34
23 21	13 23-0500	EA	1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	207.47 50.79 32.73	72.78
23 21	13 23-0501	EA	1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	205.04 50.31 32.00	71.15
23 21	13 23-0502	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	198.06 44.88 41.54	92.35
23 21	13 23-0503	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	230.58 55.10 40.22	89.41
23 21	13 23-0504	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	223.73 53.76 38.16	84.85
23 21	13 23-0505	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	245.26 55.08 52.84	117.48
23 21	13 23-0506	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	239.06 55.12 47.41	105.41





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0507 EA 2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	300.21 73.93 46.09	102.47
23 21 13 23-0508 EA 3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	273.39 61.26 59.31	131.83
23 21 13 23-0509 EA 3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	278.74 62.86 59.31	131.83
23 21 13 23-0510 EA 3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	290.07 66.26 59.31	131.83
23 21 13 23-0511 EA 4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	442.31 96.64 103.02	229.01
23 21 13 23-0512 EA 4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	447.67 98.24 103.02	229.01
23 21 13 23-0513 EA 4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	463.77 103.07 103.02	229.01
23 21 13 23-0514 EA 6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	763.03 170.19 167.78	372.98
23 21 13 23-0515 EA 6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	878.62 204.86 167.78	372.98
23 21 13 23-0516 EA 8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,110.83 243.89 255.31	567.64
23 21 13 23-0517 EA 8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,325.92 308.42 255.31	567.64
23 21 13 23-0518 EA 10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,318.91 292.91 293.60	652.78
23 21 13 23-0519 EA 10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,577.51 370.49 293.60	652.78
23 21 13 23-0520 EA 10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,917.74 472.56 -300.50 293.60	652.78
23 21 13 23-0521 EA 12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,686.18 384.55 346.58	770.53
23 21 13 23-0522 EA 12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,988.28 475.18 346.58	770.53
23 21 13 23-0523 EA 12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,498.92 628.37 -429.96 346.58	770.53
23 21 13 23-0524 EA 12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,677.61 381.98 -167.15 346.58	770.53
23 21 13 23-0525 EA 14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,282.30 542.90 405.12	900.67
23 21 13 23-0526 EA 14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,441.39 590.63 405.12	900.67
23 21 13 23-0527 EA 14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,027.47 1,066.45 405.12	900.67
23 21 13 23-0528 EA 16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,944.44 723.82 455.75	1,013.32
23 21 13 23-0529 EA 16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,412.79 864.32 455.75	1,013.32
23 21 13 23-0530 EA 16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3,595.11 919.02 -664.30 455.75	1,013.32
23 21 13 23-0531 EA 16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,649.00 1,535.19 455.75	1,013.32
23 21 13 23-0532 EA 16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,671.04 1,841.80 455.75	1,013.32
23 21 13 23-0533 EA 18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,303.71 1,108.81 520.86	1,158.04

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0534	EA	18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,196.60 476.68 -147.32 520.87	1,158.04
23 21	13 23-0535	EA	18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	4,549.81 1,182.64 -900.35 520.87	1,158.04
23 21	13 23-0536	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,912.67 1,291.50 520.86	1,158.04
23 21	13 23-0537	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,980.36 2,211.81 520.86	1,158.04
23 21	13 23-0538	EA	20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5,184.97 1,349.67 -1,031.91 588.07	1,307.44
23 21	13 23-0539	EA	20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5,176.63 1,347.16 -1,029.24 588.07	1,307.44
23 21	13 23-0540	EA	20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	9,234.96 2,564.66 -2,327.91 588.07	1,307.44
23 21	13 23-0541	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	10,862.79 3,053.01 588.07	1,307.44
23 21	13 23-0542	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	13,304.63 3,785.56 588.07	1,307.44
23 21	13 23-0543	EA	24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6,253.73 1,663.43 -1,353.00 607.68	1,351.10
23 21	13 23-0544	EA	24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6,745.71 1,811.03 -1,510.44 607.68	1,351.10
23 21	13 23-0545	EA	24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	9,031.56 2,496.78 -2,241.91 607.68	1,351.10
23 21	13 23-0546	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	13,285.31 3,772.91 607.68	1,351.10
23 21	13 23-0547	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	16,474.85 4,729.77 607.68	1,351.10
<b>23 21</b>	<b>13 23-0548</b>		<b>Welded Plain End Black Steel Concentric Reducers</b> <small>(23 21 13 23-0393)</small>		
23 21	13 23-0549	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	168.03 40.39 28.62	63.65
23 21	13 23-0550	EA	1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	177.32 42.20 31.41	69.84
23 21	13 23-0551	EA	1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	174.89 41.73 30.68	68.21
23 21	13 23-0552	EA	1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	188.58 44.40 34.79	77.34
23 21	13 23-0553	EA	1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	181.72 43.06 32.73	72.78
23 21	13 23-0554	EA	1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	179.29 42.59 32.00	71.15
23 21	13 23-0555	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	184.93 40.94 41.54	92.35
23 21	13 23-0556	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	180.53 40.08 40.22	89.41
23 21	13 23-0557	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	191.56 44.11 38.16	84.85
23 21	13 23-0558	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	235.73 52.23 52.84	117.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0559 EA 2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	233.71 53.52 47.41	105.41
23 21 13 23-0560 EA 2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	254.92 60.34 46.09	102.47
23 21 13 23-0561 EA 3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	245.98 53.03 59.31	131.83
23 21 13 23-0562 EA 3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	249.55 54.11 59.31	131.83
23 21 13 23-0563 EA 3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	257.31 56.43 59.31	131.83
23 21 13 23-0564 EA 4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	405.37 85.55 103.02	229.01
23 21 13 23-0565 EA 4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	419.08 89.67 103.02	229.01
23 21 13 23-0566 EA 4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	419.08 89.67 103.02	229.01
23 21 13 23-0567 EA 6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	689.17 148.03 167.78	372.98
23 21 13 23-0568 EA 6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	716.56 156.25 167.78	372.98
23 21 13 23-0569 EA 8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,021.45 217.08 255.31	567.64
23 21 13 23-0570 EA 8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,070.31 231.73 255.31	567.64
23 21 13 23-0571 EA 10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,309.38 290.05 293.60	652.78
23 21 13 23-0572 EA 10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,289.12 283.97 293.60	652.78
23 21 13 23-0573 EA 10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,544.15 360.48 293.60	652.78
23 21 13 23-0574 EA 12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,564.04 347.91 346.58	770.53
23 21 13 23-0575 EA 12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,625.27 366.28 346.58	770.53
23 21 13 23-0576 EA 12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,647.45 372.93 346.58	770.53
23 21 13 23-0577 EA 12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,297.52 567.95 346.58	770.53
23 21 13 23-0578 EA 14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,965.30 447.80 405.12	900.67
23 21 13 23-0579 EA 14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,192.32 515.91 405.12	900.67
23 21 13 23-0580 EA 14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,389.54 575.07 405.12	900.67
23 21 13 23-0581 EA 14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,151.78 803.74 405.12	900.67
23 21 13 23-0582 EA 16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,595.27 619.07 455.75	1,013.32
23 21 13 23-0583 EA 16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,595.27 619.07 455.75	1,013.32
23 21 13 23-0584 EA 16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,708.49 653.03 455.75	1,013.32
23 21 13 23-0585 EA 16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,084.46 765.82 455.75	1,013.32
23 21 13 23-0586 EA 16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,641.56 1,232.95 455.75	1,013.32

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0587	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,911.82 691.24 520.86	1,158.04
23 21	13 23-0588	EA	18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,202.00 778.30 520.86	1,158.04
23 21	13 23-0589	EA	18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,323.55 814.76 520.86	1,158.04
23 21	13 23-0590	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,654.23 913.97 520.86	1,158.04
23 21	13 23-0591	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,454.43 2,054.03 520.86	1,158.04
23 21	13 23-0592	EA	20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,977.77 987.51 588.07	1,307.44
23 21	13 23-0593	EA	20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,977.77 987.51 588.07	1,307.44
23 21	13 23-0594	EA	20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,060.60 1,012.35 588.07	1,307.44
23 21	13 23-0595	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,550.99 1,159.47 588.07	1,307.44
23 21	13 23-0596	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,404.23 1,415.44 588.07	1,307.44
23 21	13 23-0597	EA	24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,307.70 1,079.62 607.68	1,351.10
23 21	13 23-0598	EA	24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,359.52 1,095.17 607.68	1,351.10
23 21	13 23-0599	EA	24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,460.81 1,125.56 607.68	1,351.10
23 21	13 23-0600	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,806.07 1,829.13 607.68	1,351.10
23 21	13 23-0601	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,269.05 1,968.03 607.68	1,351.10
<b>23 21 13 23-0602 Welded Plain End Black Steel Caps (23 21 13 23-0393)</b>					
23 21	13 23-0603	EA	1" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.83 11.83 14.68	32.68
23 21	13 23-0604	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.40 12.89 16.15	35.92
23 21	13 23-0605	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.04 13.44 16.73	37.19
23 21	13 23-0606	EA	2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.72 16.18 21.44	47.66
23 21	13 23-0607	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.39 18.75 25.84	57.45
23 21	13 23-0608	EA	3" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.07 22.70 29.81	66.26
23 21	13 23-0609	EA	4" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.26 37.12 51.51	114.51
23 21	13 23-0610	EA	6" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	328.42 63.07 85.10	189.18
23 21	13 23-0611	EA	8" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	464.74 89.72 119.28	265.23
23 21	13 23-0612	EA	10" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	619.70 123.17 150.57	334.81
23 21	13 23-0613	EA	12" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	712.58 143.11 169.58	377.04
23 21	13 23-0614	EA	14" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	952.09 201.23 202.56	450.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0615 EA 16" Standard Weight, Welded Plain End Black Steel Cap ..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,105.74 233.71 235.23	522.97
23 21 13 23-0616 EA 18" Standard Weight, Welded Plain End Black Steel Cap ..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,238.03 262.90 260.43	579.06
<b>23 21 13 23-0617 150 LB, Welded Plain End Black Steel Neck Flanges</b> <small>(23 21 13 23-0393)</small> Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21 13 23-0618 EA 2", 150 LB, Welded Plain End Black Steel Neck Flange ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	147.91 37.71 33.19	73.79
23 21 13 23-0619 EA 2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	175.32 40.58 41.42	92.10
23 21 13 23-0620 EA 3", 150 LB, Welded Plain End Black Steel Neck Flange ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.16 42.69 47.36	105.31
23 21 13 23-0621 EA 4", 150 LB, Welded Plain End Black Steel Neck Flange ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	255.77 55.14 62.47	138.87
23 21 13 23-0622 EA 6", 150 LB, Welded Plain End Black Steel Neck Flange ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	388.85 84.35 94.71	210.61
23 21 13 23-0623 EA 8", 150 LB, Welded Plain End Black Steel Neck Flange ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	443.02 114.67 98.54	219.13
23 21 13 23-0624 EA 10", 150 LB, Welded Plain End Black Steel Neck Flange ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	579.36 160.42 123.60	274.77
23 21 13 23-0625 EA 12", 150 LB, Welded Plain End Black Steel Neck Flange ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	711.48 219.91 140.23	311.79
23 21 13 23-0626 EA 14", 150 LB, Welded Plain End Black Steel Neck Flange ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	935.75 318.68 169.58	377.04
23 21 13 23-0627 EA 16", 150 LB, Welded Plain End Black Steel Neck Flange ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,235.76 474.15 197.09	438.18
23 21 13 23-0628 EA 18", 150 LB, Welded Plain End Black Steel Neck Flange ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,540.12 639.82 220.97	491.28
23 21 13 23-0629 EA 20", 150 LB, Welded Plain End Black Steel Neck Flange ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,952.62 810.58 280.46	623.57
23 21 13 23-0630 EA 24", 150 LB, Welded Plain End Black Steel Neck Flange ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,221.32 952.31 303.84	675.55
<b>23 21 13 23-0631 150 LB, Welded Black Steel Slip-On Flanges</b> <small>(23 21 13 23-0393)</small> Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21 13 23-0632 EA 2", 150 LB, Welded Black Steel Slip-On Flanges ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.68 25.99 26.42	73.79
23 21 13 23-0633 EA 2-1/2", 150 LB, Welded Black Steel Slip-On Flange ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	131.54 32.80 32.30	92.10
23 21 13 23-0634 EA 3", 150 LB, Welded Black Steel Slip-On Flange ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	155.34 38.66 38.17	105.31
23 21 13 23-0635 EA 4", 150 LB, Welded Black Steel Slip-On Flange ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	204.74 51.99 49.91	138.87
23 21 13 23-0636 EA 6", 150 LB, Welded Black Steel Slip-On Flange ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	303.70 78.82 73.40	210.61
23 21 13 23-0637 EA 8", 150 LB, Welded Black Steel Slip-On Flange ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	388.97 112.23 89.75	219.13
23 21 13 23-0638 EA 10", 150 LB, Welded Black Steel Slip-On Flange ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	528.98 178.79 112.19	274.77
23 21 13 23-0639 EA 12", 150 LB, Welded Black Steel Slip-On Flange ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	693.35 267.26 134.63	311.79
23 21 13 23-0640 EA 14", 150 LB, Welded Black Steel Slip-On Flange ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	880.90 376.60 157.06	377.04
23 21 13 23-0641 EA 16", 150 LB, Welded Black Steel Slip-On Flange ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,060.80 493.91 173.89	438.18

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-0642	EA	18", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,175.23 552.31 190.72	491.28
23 21 13 23-0643	EA	20", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,305.04 624.55 207.54	623.57
23 21 13 23-0644	EA	24", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,493.03 704.54 241.20	675.55
<b>23 21 13 23-0645 150 LB, Forged Steel Blind Flanges (23 21 13 23-0393)</b>				
23 21 13 23-0646	EA	2", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.40 22.32 58.33 15.71	26.19
23 21 13 23-0647	EA	2-1/2", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.95 33.89 91.29 18.85	31.42
23 21 13 23-0648	EA	3", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	119.07 37.02 97.24 25.14	41.90
23 21 13 23-0649	EA	4", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	153.38 49.90 132.42 31.43	52.37
23 21 13 23-0650	EA	6", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	209.86 73.25 197.28 40.85	68.09
23 21 13 23-0651	EA	8", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	274.00 110.00 304.08 47.14	78.56
23 21 13 23-0652	EA	10", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	416.79 202.40 576.08 56.56	94.26
23 21 13 23-0653	EA	12", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	543.02 281.54 808.34 65.99	109.98
23 21 13 23-0654	EA	14", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	916.55 558.53 75.41	125.70
23 21 13 23-0655	EA	16", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	983.93 590.60 84.84	141.40
23 21 13 23-0656	EA	18", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,107.17 645.50 103.70	172.82
23 21 13 23-0657	EA	20", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,419.72 873.71 113.12	188.54
23 21 13 23-0658	EA	24", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,932.64 1,240.37 131.98	219.96
<b>23 21 13 23-0659 3,000 LB, Forge Steel Thread-O-Lets (23 21 13 23-0393)</b>				
23 21 13 23-0660	EA	1/2", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.57 5.96 28.55 18.50	
23 21 13 23-0661	EA	3/4", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.59 7.00 30.56 19.38	
23 21 13 23-0662	EA	1", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.21 7.85 32.78 20.55	
23 21 13 23-0663	EA	1-1/4", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.66 11.13 37.46 22.02	
23 21 13 23-0664	EA	1-1/2", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	105.44 11.13 41.18 24.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0665 EA 2", 3,000 LB, Forge Steel Thread-O-Let.....	136.58	
<i>For Weld-O-Lets, Add</i>	13.92	
<i>For Sock-O-Lets, Add</i>	53.29	
<i>For Work In Restricted Working Space, Add</i>	32.62	
23 21 13 23-0666 EA 2-1/2", 3,000 LB, Forge Steel Thread-O-Let.....	240.83	
<i>For Weld-O-Lets, Add</i>	50.51	
<i>For Sock-O-Lets, Add</i>	96.57	
<i>For Work In Restricted Working Space, Add</i>	41.94	
23 21 13 23-0667 EA 3", 3,000 LB, Forge Steel Thread-O-Let.....	297.35	
<i>For Weld-O-Lets, Add</i>	50.81	
<i>For Sock-O-Lets, Add</i>	118.07	
<i>For Work In Restricted Working Space, Add</i>	58.72	
23 21 13 23-0668 EA 4", 3,000 LB, Forge Steel Thread-O-Let.....	443.59	
<i>For Weld-O-Lets, Add</i>	99.46	
<i>For Sock-O-Lets, Add</i>	178.51	
<i>For Work In Restricted Working Space, Add</i>	73.40	
<b>23 21 13 23-0669 Class 150 Flange, Steel Bolt And Gasket Sets <small>(23 21 13 23-0393)</small></b>		
Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13 23-0670 EA 3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	11.18	
Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	3.13	
<i>For Hot Dip Galvanized, Add</i>	4.47	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	7.83	
23 21 13 23-0671 EA 2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	14.11	
Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	3.95	
<i>For Hot Dip Galvanized, Add</i>	5.64	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	9.88	
23 21 13 23-0672 EA 2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	14.29	
Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	4.00	
<i>For Hot Dip Galvanized, Add</i>	5.72	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	10.00	
23 21 13 23-0673 EA 3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	14.38	
Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	4.03	
<i>For Hot Dip Galvanized, Add</i>	5.75	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	10.07	
23 21 13 23-0674 EA 4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	31.59	
Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	8.85	
<i>For Hot Dip Galvanized, Add</i>	12.64	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	22.11	
23 21 13 23-0675 EA 5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	45.04	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	12.61	
<i>For Hot Dip Galvanized, Add</i>	18.02	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	31.53	
23 21 13 23-0676 EA 6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	48.79	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	13.66	
<i>For Hot Dip Galvanized, Add</i>	19.52	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	34.15	
23 21 13 23-0677 EA 8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	53.70	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	15.04	
<i>For Hot Dip Galvanized, Add</i>	21.48	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	37.59	
23 21 13 23-0678 EA 10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	117.91	
Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	33.01	
<i>For Hot Dip Galvanized, Add</i>	47.16	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	62.54	
23 21 13 23-0679 EA 12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	120.71	
Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	33.80	
<i>For Hot Dip Galvanized, Add</i>	48.28	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	84.50	
23 21 13 23-0680 EA 14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	135.44	
Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	37.92	
<i>For Hot Dip Galvanized, Add</i>	54.18	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	94.81	
23 21 13 23-0681 EA 16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	223.83	
Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	62.67	
<i>For Hot Dip Galvanized, Add</i>	89.53	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	156.68	
23 21 13 23-0682 EA 18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	321.66	
Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	90.06	
<i>For Hot Dip Galvanized, Add</i>	128.66	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	225.16	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0683	EA	20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	406.50	
			Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	113.82	
			For Hot Dip Galvanized, Add	162.60	
			For Advanced Fluoropolymer (Blue Coating), Add	284.55	
23 21	13 23-0684	EA	24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	578.34	
			Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	161.94	
			For Hot Dip Galvanized, Add	231.34	
			For Advanced Fluoropolymer (Blue Coating), Add	404.84	
23 21	13 23-0685	EA	30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	912.62	
			Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	255.53	
			For Hot Dip Galvanized, Add	365.05	
			For Advanced Fluoropolymer (Blue Coating), Add	638.83	
23 21	13 23-0686	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,297.30	
			Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.		
			For Zinc Plated, Add	363.24	
			For Hot Dip Galvanized, Add	518.92	
			For Advanced Fluoropolymer (Blue Coating), Add	908.11	
<b>23 21</b>	<b>13 23-0687</b>		<b>Class 300 Flange, Steel Bolt And Gasket Sets</b> <small>(23 21 13 23-0393)</small>		
			Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21	13 23-0688	EA	3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set .....	18.61	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	5.21	
			For Hot Dip Galvanized, Add	7.44	
			For Advanced Fluoropolymer (Blue Coating), Add	13.03	
23 21	13 23-0689	EA	2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	33.06	
			Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	9.26	
			For Hot Dip Galvanized, Add	13.22	
			For Advanced Fluoropolymer (Blue Coating), Add	23.14	
23 21	13 23-0690	EA	2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	50.76	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	14.21	
			For Hot Dip Galvanized, Add	20.30	
			For Advanced Fluoropolymer (Blue Coating), Add	35.53	
23 21	13 23-0691	EA	3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	55.16	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	15.44	
			For Hot Dip Galvanized, Add	22.06	
			For Advanced Fluoropolymer (Blue Coating), Add	38.61	
23 21	13 23-0692	EA	4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	56.38	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	15.79	
			For Hot Dip Galvanized, Add	22.55	
			For Advanced Fluoropolymer (Blue Coating), Add	39.47	
23 21	13 23-0693	EA	5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	62.08	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	17.38	
			For Hot Dip Galvanized, Add	24.83	
			For Advanced Fluoropolymer (Blue Coating), Add	43.46	
23 21	13 23-0694	EA	6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	87.87	
			Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	24.60	
			For Hot Dip Galvanized, Add	35.15	
			For Advanced Fluoropolymer (Blue Coating), Add	61.51	
23 21	13 23-0695	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	135.86	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	38.04	
			For Hot Dip Galvanized, Add	54.34	
			For Advanced Fluoropolymer (Blue Coating), Add	95.10	
23 21	13 23-0696	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	245.83	
			Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
			For Zinc Plated, Add	68.83	
			For Hot Dip Galvanized, Add	98.33	
			For Advanced Fluoropolymer (Blue Coating), Add	172.08	
23 21	13 23-0697	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	353.20	
			Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	98.90	
			For Hot Dip Galvanized, Add	141.28	
			For Advanced Fluoropolymer (Blue Coating), Add	247.24	
23 21	13 23-0698	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	482.38	
			Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	135.07	
			For Hot Dip Galvanized, Add	192.95	
			For Advanced Fluoropolymer (Blue Coating), Add	337.67	
23 21	13 23-0699	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	664.08	
			Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	185.94	
			For Hot Dip Galvanized, Add	265.63	
			For Advanced Fluoropolymer (Blue Coating), Add	464.86	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0700 EA 18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	853.94	
Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	239.10	
For Hot Dip Galvanized, Add	341.58	
For Advanced Fluoropolymer (Blue Coating), Add	597.76	
23 21 13 23-0701 EA 20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	907.30	
Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	254.04	
For Hot Dip Galvanized, Add	362.92	
For Advanced Fluoropolymer (Blue Coating), Add	635.11	
23 21 13 23-0702 EA 24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,152.42	
Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.		
For Zinc Plated, Add	322.68	
For Hot Dip Galvanized, Add	460.97	
For Advanced Fluoropolymer (Blue Coating), Add	806.69	
23 21 13 23-0703 EA 30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,814.68	
Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	508.11	
For Hot Dip Galvanized, Add	725.87	
For Advanced Fluoropolymer (Blue Coating), Add	1,270.28	
23 21 13 23-0704 EA 36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	2,735.11	
Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.		
For Zinc Plated, Add	765.83	
For Hot Dip Galvanized, Add	1,094.04	
For Advanced Fluoropolymer (Blue Coating), Add	1,914.58	
<b>23 21 13 23-0705 150 LB, Rubber Flange Gasket Replacement</b> <small>(23 21 13 23-0393)</small>		
Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.		
23 21 13 23-0706 EA 1/2", 150 LB, Rubber Flange Gasket Replacement .....	29.56	
For 300 LB Rating Gasket Set, Add	0.22	
For Work In Restricted Working Space, Add	8.68	
23 21 13 23-0707 EA 3/4", 150 LB, Rubber Flange Gasket Replacement .....	31.71	
For 300 LB Rating Gasket Set, Add	0.29	
For Work In Restricted Working Space, Add	9.26	
23 21 13 23-0708 EA 1", 150 LB, Rubber Flange Gasket Replacement .....	35.21	
For 300 LB Rating Gasket Set, Add	0.51	
For Work In Restricted Working Space, Add	10.13	
23 21 13 23-0709 EA 1-1/4", 150 LB, Rubber Flange Gasket Replacement .....	38.32	
For 300 LB Rating Gasket Set, Add	0.58	
For Work In Restricted Working Space, Add	11.00	
23 21 13 23-0710 EA 1-1/2", 150 LB, Rubber Flange Gasket Replacement .....	42.59	
For 300 LB Rating Gasket Set, Add	0.72	
For Work In Restricted Working Space, Add	12.16	
23 21 13 23-0711 EA 2", 150 LB, Rubber Flange Gasket Replacement .....	47.28	
For 300 LB Rating Gasket Set, Add	1.02	
For Work In Restricted Working Space, Add	13.31	
23 21 13 23-0712 EA 2-1/2", 150 LB, Rubber Flange Gasket Replacement .....	56.04	
For 300 LB Rating Gasket Set, Add	1.38	
For Work In Restricted Working Space, Add	15.63	
23 21 13 23-0713 EA 3", 150 LB, Rubber Flange Gasket Replacement .....	59.56	
For 300 LB Rating Gasket Set, Add	1.60	
For Work In Restricted Working Space, Add	16.50	
23 21 13 23-0714 EA 4", 150 LB, Rubber Flange Gasket Replacement .....	79.82	
For 300 LB Rating Gasket Set, Add	2.61	
For Work In Restricted Working Space, Add	21.71	
23 21 13 23-0715 EA 5", 150 LB, Rubber Flange Gasket Replacement .....	92.23	
For 300 LB Rating Gasket Set, Add	2.90	
For Work In Restricted Working Space, Add	25.18	
23 21 13 23-0716 EA 6", 150 LB, Rubber Flange Gasket Replacement .....	106.30	
For 300 LB Rating Gasket Set, Add	3.77	
For Work In Restricted Working Space, Add	28.66	
23 21 13 23-0717 EA 8", 150 LB, Rubber Flange Gasket Replacement .....	131.53	
For 300 LB Rating Gasket Set, Add	5.51	
For Work In Restricted Working Space, Add	34.73	
23 21 13 23-0718 EA 10", 150 LB, Rubber Flange Gasket Replacement .....	145.87	
For 300 LB Rating Gasket Set, Add	7.83	
For Work In Restricted Working Space, Add	37.05	
23 21 13 23-0719 EA 12", 150 LB, Rubber Flange Gasket Replacement .....	168.50	
For 300 LB Rating Gasket Set, Add	10.01	
For Work In Restricted Working Space, Add	41.97	
23 21 13 23-0720 EA 14", 150 LB, Rubber Flange Gasket Replacement .....	178.92	
For 300 LB Rating Gasket Set, Add	11.97	
For Work In Restricted Working Space, Add	43.42	
23 21 13 23-0721 EA 16", 150 LB, Rubber Flange Gasket Replacement .....	231.09	
For 300 LB Rating Gasket Set, Add	13.35	
For Work In Restricted Working Space, Add	57.89	
23 21 13 23-0722 EA 18", 150 LB, Rubber Flange Gasket Replacement .....	251.07	
For 300 LB Rating Gasket Set, Add	13.93	
For Work In Restricted Working Space, Add	63.38	
23 21 13 23-0723 EA 20", 150 LB, Rubber Flange Gasket Replacement .....	300.27	
For 300 LB Rating Gasket Set, Add	14.94	
For Work In Restricted Working Space, Add	77.27	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0724			<b>150 LB, Spiral Wound Metal Flange Gasket Replacement</b> <small>(23 21 13 23-0393)</small> Note: Includes unbolting, removal of old gaskets, new 150 LB spiral wound metal flange gasket (1/8" thick carbon steel outer ring with spiral wound 304 stainless steel inner ring) and rebolting.		
23 21 13 23-0725	EA	1/2"	150 LB, Spiral Wound Metal Flange Gasket Replacement.....	32.48	
			<i>For 300 Lb., Add</i>	0.27	
			<i>For Work In Restricted Working Space, Add</i>	8.68	
23 21 13 23-0726	EA	3/4"	150 LB, Spiral Wound Metal Flange Gasket Replacement.....	34.48	
			<i>For 300 Lb., Add</i>	0.27	
			<i>For Work In Restricted Working Space, Add</i>	9.26	
23 21 13 23-0727	EA	1"	150 LB, Spiral Wound Metal Flange Gasket Replacement.....	37.39	
			<i>For 300 Lb., Add</i>	0.27	
			<i>For Work In Restricted Working Space, Add</i>	10.13	
23 21 13 23-0728	EA	1-1/4"	150 LB, Spiral Wound Metal Flange Gasket Replacement.....	40.84	
			<i>For 300 Lb., Add</i>	0.31	
			<i>For Work In Restricted Working Space, Add</i>	11.00	
23 21 13 23-0729	EA	1-1/2"	150 LB, Spiral Wound Metal Flange Gasket Replacement.....	44.79	
			<i>For 300 Lb., Add</i>	0.32	
			<i>For Work In Restricted Working Space, Add</i>	12.16	
23 21 13 23-0730	EA	2"	150 LB, Spiral Wound Metal Flange Gasket Replacement.....	48.85	
			<i>For 300 Lb., Add</i>	0.34	
			<i>For Work In Restricted Working Space, Add</i>	13.31	
23 21 13 23-0731	EA	2-1/2"	150 LB, Spiral Wound Metal Flange Gasket Replacement.....	56.96	
			<i>For 300 Lb., Add</i>	0.36	
			<i>For Work In Restricted Working Space, Add</i>	15.63	
23 21 13 23-0732	EA	3"	150 LB, Spiral Wound Metal Flange Gasket Replacement.....	60.25	
			<i>For 300 Lb., Add</i>	0.39	
			<i>For Work In Restricted Working Space, Add</i>	16.50	
23 21 13 23-0733	EA	4"	150 LB, Spiral Wound Metal Flange Gasket Replacement.....	79.07	
			<i>For 300 Lb., Add</i>	0.50	
			<i>For Work In Restricted Working Space, Add</i>	21.71	
23 21 13 23-0734	EA	5"	150 LB, Spiral Wound Metal Flange Gasket Replacement.....	92.22	
			<i>For 300 Lb., Add</i>	0.62	
			<i>For Work In Restricted Working Space, Add</i>	25.18	
23 21 13 23-0735	EA	6"	150 LB, Spiral Wound Metal Flange Gasket Replacement.....	104.72	
			<i>For 300 Lb., Add</i>	0.69	
			<i>For Work In Restricted Working Space, Add</i>	28.66	
23 21 13 23-0736	EA	8"	150 LB, Spiral Wound Metal Flange Gasket Replacement.....	126.78	
			<i>For 300 Lb., Add</i>	0.82	
			<i>For Work In Restricted Working Space, Add</i>	34.74	
23 21 13 23-0737	EA	10"	150 LB, Spiral Wound Metal Flange Gasket Replacement.....	138.65	
			<i>For 300 Lb., Add</i>	1.14	
			<i>For Work In Restricted Working Space, Add</i>	37.05	
23 21 13 23-0738	EA	12"	150 LB, Spiral Wound Metal Flange Gasket Replacement.....	162.73	
			<i>For 300 Lb., Add</i>	1.71	
			<i>For Work In Restricted Working Space, Add</i>	41.97	
23 21 13 23-0739			<b>150 LB, Flexible Graphite Flange Gasket Replacement</b> <small>(23 21 13 23-0393)</small> Note: Includes unbolting, removal of old gaskets, new 150 LB spiral wound metal flange gasket (flexible graphite outer ring with 316 stainless steel inner ring) and rebolting.		
23 21 13 23-0740	EA	1/2"	150 LB, Flexible Graphite Flange Gasket Replacement.....	29.65	
			<i>For Work In Restricted Working Space, Add</i>	8.68	
23 21 13 23-0741	EA	3/4"	150 LB, Flexible Graphite Flange Gasket Replacement.....	32.05	
			<i>For Work In Restricted Working Space, Add</i>	9.26	
23 21 13 23-0742	EA	1"	150 LB, Flexible Graphite Flange Gasket Replacement.....	35.11	
			<i>For Work In Restricted Working Space, Add</i>	10.13	
23 21 13 23-0743	EA	1-1/4"	150 LB, Flexible Graphite Flange Gasket Replacement.....	38.58	
			<i>For Work In Restricted Working Space, Add</i>	11.00	
23 21 13 23-0744	EA	1-1/2"	150 LB, Flexible Graphite Flange Gasket Replacement.....	42.57	
			<i>For Work In Restricted Working Space, Add</i>	12.16	
23 21 13 23-0745	EA	2"	150 LB, Flexible Graphite Flange Gasket Replacement.....	47.07	
			<i>For Work In Restricted Working Space, Add</i>	13.31	
23 21 13 23-0746	EA	2-1/2"	150 LB, Flexible Graphite Flange Gasket Replacement.....	55.73	
			<i>For Work In Restricted Working Space, Add</i>	15.63	
23 21 13 23-0747	EA	3"	150 LB, Flexible Graphite Flange Gasket Replacement.....	58.83	
			<i>For Work In Restricted Working Space, Add</i>	16.50	
23 21 13 23-0748	EA	4"	150 LB, Flexible Graphite Flange Gasket Replacement.....	78.55	
			<i>For Work In Restricted Working Space, Add</i>	21.71	
23 21 13 23-0749	EA	5"	150 LB, Flexible Graphite Flange Gasket Replacement.....	91.31	
			<i>For Work In Restricted Working Space, Add</i>	25.18	
23 21 13 23-0750	EA	6"	150 LB, Flexible Graphite Flange Gasket Replacement.....	103.74	
			<i>For Work In Restricted Working Space, Add</i>	28.66	
23 21 13 23-0751	EA	8"	150 LB, Flexible Graphite Flange Gasket Replacement.....	129.63	
			<i>For Work In Restricted Working Space, Add</i>	34.74	
23 21 13 23-0752	EA	10"	150 LB, Flexible Graphite Flange Gasket Replacement.....	143.58	
			<i>For Work In Restricted Working Space, Add</i>	37.05	
23 21 13 23-0753	EA	12"	150 LB, Flexible Graphite Flange Gasket Replacement.....	164.74	
			<i>For Work In Restricted Working Space, Add</i>	41.97	
23 21 13 23-0754			<b>150 LB, Teflon, Spiral Wound, Flange Gasket Replacement</b> <small>(23 21 13 23-0393)</small> Note: Includes unbolting, removal of old gaskets, new 150 LB spiral wound metal flange gasket (teflon outer ring with 304 stainless steel inner ring) and rebolting.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0755 EA 1/2", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	48.49	
For Work In Restricted Working Space, Add	8.68	
23 21 13 23-0756 EA 3/4", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	51.76	
For Work In Restricted Working Space, Add	9.26	
23 21 13 23-0757 EA 1", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	56.00	
For Work In Restricted Working Space, Add	10.13	
23 21 13 23-0758 EA 1-1/4", Teflon, Spiral Wound, Flange Gasket Replacement.....	63.59	
For Work In Restricted Working Space, Add	11.00	
23 21 13 23-0759 EA 1-1/2", Teflon, Spiral Wound, Flange Gasket Replacement.....	68.35	
For Work In Restricted Working Space, Add	12.16	
23 21 13 23-0760 EA 2", Teflon, Spiral Wound, Flange Gasket Replacement.....	74.52	
For Work In Restricted Working Space, Add	13.31	
23 21 13 23-0761 EA 2-1/2", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	86.56	
For Work In Restricted Working Space, Add	15.63	
23 21 13 23-0762 EA 3", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	98.72	
For Work In Restricted Working Space, Add	16.50	
23 21 13 23-0763 EA 4", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	124.42	
For Work In Restricted Working Space, Add	21.71	
23 21 13 23-0764 EA 5", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	148.78	
For Work In Restricted Working Space, Add	25.18	
23 21 13 23-0765 EA 6", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	196.03	
For Work In Restricted Working Space, Add	28.66	
23 21 13 23-0766 EA 8", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	215.06	
For Work In Restricted Working Space, Add	34.74	
23 21 13 23-0767 EA 10", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	245.61	
For Work In Restricted Working Space, Add	37.05	
23 21 13 23-0768 EA 12", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	324.33	
For Work In Restricted Working Space, Add	41.97	
<b>23 21 13 23-0769 Cut And Prepare For Welding Existing In-Place Black Steel Pipe</b> (23 21 13 23-0393)		
Note: For use when connecting pipe to an existing in-place system.		
23 21 13 23-0770 EA 1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	20.94	
For Work In Restricted Working Space, Add	6.28	
23 21 13 23-0771 EA 3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	22.61	
For Work In Restricted Working Space, Add	6.78	
23 21 13 23-0772 EA 1", Cut And Prepare For Welding Existing In Place Black Steel Pipe.....	25.44	
For Work In Restricted Working Space, Add	7.63	
23 21 13 23-0773 EA 1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe.....	26.70	
For Work In Restricted Working Space, Add	8.01	
23 21 13 23-0774 EA 1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe.....	28.26	
For Work In Restricted Working Space, Add	8.48	
23 21 13 23-0775 EA 2", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	30.36	
For Work In Restricted Working Space, Add	9.11	
23 21 13 23-0776 EA 2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe.....	32.46	
For Work In Restricted Working Space, Add	9.74	
23 21 13 23-0777 EA 3", Cut And Prepare For Welding Existing In Place Black Steel Pipe.....	35.60	
For Work In Restricted Working Space, Add	10.68	
23 21 13 23-0778 EA 4", Cut And Prepare For Welding Existing In Place Black Steel Pipe.....	38.73	
For Work In Restricted Working Space, Add	11.62	
23 21 13 23-0779 EA 6", Cut And Prepare For Welding Existing In Place Black Steel Pipe.....	41.88	
For Work In Restricted Working Space, Add	12.56	
23 21 13 23-0780 EA 8", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	45.02	
For Work In Restricted Working Space, Add	13.51	
23 21 13 23-0781 EA 10", Cut And Prepare For Welding Existing In Place Black Steel Pipe.....	49.21	
For Work In Restricted Working Space, Add	14.76	
23 21 13 23-0782 EA 12", Cut And Prepare For Welding Existing In Place Black Steel Pipe.....	53.39	
For Work In Restricted Working Space, Add	16.02	
23 21 13 23-0783 EA 14", Cut And Prepare For Welding Existing In Place Black Steel Pipe.....	57.59	
For Work In Restricted Working Space, Add	17.28	
23 21 13 23-0784 EA 16", Cut And Prepare For Welding Existing In Place Black Steel Pipe.....	61.77	
For Work In Restricted Working Space, Add	18.53	
23 21 13 23-0785 EA 18", Cut And Prepare For Welding Existing In Place Black Steel Pipe.....	64.91	
For Work In Restricted Working Space, Add	19.47	
23 21 13 23-0786 EA 20", Cut And Prepare For Welding Existing In Place Black Steel Pipe.....	68.05	
For Work In Restricted Working Space, Add	20.42	
23 21 13 23-0787 EA 24", Cut And Prepare For Welding Existing In Place Black Steel Pipe.....	72.24	
For Work In Restricted Working Space, Add	21.67	
<b>23 21 13 23-0788 Welded Plain End Electric Resistance Black Steel Pipe</b> (23 21 13 23-0393)		
Note: ASTM A-135.		
23 21 13 23-0789 LF 2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	22.56	10.76
For Work In Restricted Working Space, Add	5.29	
23 21 13 23-0790 LF 2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or		
Fittings.....	25.21	11.75
For Work In Restricted Working Space, Add	5.29	
23 21 13 23-0791 LF 3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	26.62	11.55
For Work In Restricted Working Space, Add	5.18	
23 21 13 23-0792 LF 4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	33.30	14.68
For Work In Restricted Working Space, Add	6.60	
23 21 13 23-0793 LF 6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	54.45	21.72
For Work In Restricted Working Space, Add	9.77	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0794 LF 8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	69.22	25.53
For Work In Restricted Working Space, Add	11.50	
23 21 13 23-0795 LF 10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	93.57	31.79
For Work In Restricted Working Space, Add	14.30	
23 21 13 23-0796 LF 12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	113.59	38.33
For Work In Restricted Working Space, Add	17.24	
23 21 13 23-0797 LF 14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	145.01	49.74
For Work In Restricted Working Space, Add	22.38	
<b>23 21 13 23-0798 Flanged Steel Fittings</b> <small>(23 21 13 23)</small>		
See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0617 for welded neck flange ends.		
<b>23 21 13 23-0799 Flanged Steel Fittings, Standard Weight</b> <small>(23 21 13 23-0799)</small>		
Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
<b>23 21 13 23-0800 Flanged Steel, 90 Degree Elbows</b> <small>(23 21 13 23-0799)</small>		
23 21 13 23-0801 EA 2" Standard Weight, Flanged Steel, 90 Degree Elbow .....	560.13	45.02
For Galvanized Fittings, Add	394.10	
For Extra Heavy Weight Fittings, Add	591.16	
23 21 13 23-0802 EA 2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow .....	624.77	50.14
For Galvanized Fittings, Add	439.65	
For Extra Heavy Weight Fittings, Add	659.47	
23 21 13 23-0803 EA 3" Standard Weight, Flanged Steel, 90 Degree Elbow .....	617.63	55.35
For Galvanized Fittings, Add	427.77	
For Extra Heavy Weight Fittings, Add	641.65	
23 21 13 23-0804 EA 4" Standard Weight, Flanged Steel, 90 Degree Elbow .....	787.09	64.31
For Galvanized Fittings, Add	552.54	
For Extra Heavy Weight Fittings, Add	828.80	
23 21 13 23-0805 EA 5" Standard Weight, Flanged Steel, 90 Degree Elbow .....	1,110.57	72.02
For Galvanized Fittings, Add	802.06	
For Extra Heavy Weight Fittings, Add	1,203.10	
23 21 13 23-0806 EA 6" Standard Weight, Flanged Steel, 90 Degree Elbow .....	1,170.00	83.60
For Galvanized Fittings, Add	835.73	
For Extra Heavy Weight Fittings, Add	1,253.59	
23 21 13 23-0807 EA 8" Standard Weight, Flanged Steel, 90 Degree Elbow .....	1,492.18	92.57
For Galvanized Fittings, Add	1,082.67	
For Extra Heavy Weight Fittings, Add	1,624.01	
<b>23 21 13 23-0808 Flanged Steel, Reducing 90 Degree Elbows</b> <small>(23 21 13 23-0799)</small>		
23 21 13 23-0809 EA 2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow .....	1,066.50	47.64
For Galvanized Fittings, Add	796.12	
For Extra Heavy Weight Fittings, Add	1,194.18	
23 21 13 23-0810 EA 3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow .....	1,108.87	52.75
For Galvanized Fittings, Add	823.85	
For Extra Heavy Weight Fittings, Add	1,235.77	
23 21 13 23-0811 EA 4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow .....	1,384.37	59.78
For Galvanized Fittings, Add	1,035.75	
For Extra Heavy Weight Fittings, Add	1,553.63	
23 21 13 23-0812 EA 5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow .....	1,719.38	63.64
For Galvanized Fittings, Add	1,299.14	
For Extra Heavy Weight Fittings, Add	1,948.72	
23 21 13 23-0813 EA 6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow .....	1,957.62	73.96
For Galvanized Fittings, Add	1,477.38	
For Extra Heavy Weight Fittings, Add	2,216.08	
23 21 13 23-0814 EA 8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow .....	2,738.81	88.13
For Galvanized Fittings, Add	2,085.37	
For Extra Heavy Weight Fittings, Add	3,128.05	
<b>23 21 13 23-0815 Flanged Steel, 45 Degree Elbows</b> <small>(23 21 13 23-0799)</small>		
23 21 13 23-0816 EA 2" Standard Weight, Flanged Steel, 45 Degree Elbow .....	738.36	45.02
For Galvanized Fittings, Add	536.69	
For Extra Heavy Weight Fittings, Add	805.03	
23 21 13 23-0817 EA 2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow .....	768.35	50.14
For Galvanized Fittings, Add	554.51	
For Extra Heavy Weight Fittings, Add	831.77	
23 21 13 23-0818 EA 3" Standard Weight, Flanged Steel, 45 Degree Elbow .....	795.87	55.35
For Galvanized Fittings, Add	570.36	
For Extra Heavy Weight Fittings, Add	855.54	
23 21 13 23-0819 EA 4" Standard Weight, Flanged Steel, 45 Degree Elbow .....	995.03	64.31
For Galvanized Fittings, Add	718.89	
For Extra Heavy Weight Fittings, Add	1,078.33	
23 21 13 23-0820 EA 5" Standard Weight, Flanged Steel, 45 Degree Elbow .....	1,447.24	72.02
For Galvanized Fittings, Add	1,071.40	
For Extra Heavy Weight Fittings, Add	1,607.10	
23 21 13 23-0821 EA 6" Standard Weight, Flanged Steel, 45 Degree Elbow .....	1,402.70	83.60
For Galvanized Fittings, Add	1,021.89	
For Extra Heavy Weight Fittings, Add	1,532.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0822 EA 8" Standard Weight, Flanged Steel, 45 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,657.89 1,215.24 1,822.86	92.57
<b>23 21 13 23-0823 Flanged Steel, Tees</b> <small>(23 21 13 23-0799)</small>		
23 21 13 23-0824 EA 2" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	712.69 489.16 733.74	67.50
23 21 13 23-0825 EA 2-1/2" Standard Weight, Flanged Steel, Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	927.25 651.55 977.33	75.21
23 21 13 23-0826 EA 3" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	837.35 570.37 855.55	82.92
23 21 13 23-0827 EA 4" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,209.07 851.55 1,277.33	96.52
23 21 13 23-0828 EA 5" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,816.54 1,323.64 1,985.46	108.08
23 21 13 23-0829 EA 6" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,220.72 1,626.17 2,439.25	125.45
23 21 13 23-0830 EA 8" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,455.06 1,789.72 2,684.58	145.31
<b>23 21 13 23-0831 Flanged Steel, Reducing Tees</b> <small>(23 21 13 23-0799)</small>		
23 21 13 23-0832 EA 2-1/2" Standard Weight, Flanged Steel, Reducing Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,146.19 829.79 1,244.69	72.70
23 21 13 23-0833 EA 3" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,326.10 964.46 1,446.68	80.41
23 21 13 23-0834 EA 4" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,308.75 1,736.70 2,605.04	91.98
23 21 13 23-0835 EA 5" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,492.78 1,869.26 2,803.90	104.23
23 21 13 23-0836 EA 6" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	3,140.11 2,368.62 3,552.92	119.66
23 21 13 23-0837 EA 8" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	3,929.62 2,982.49 4,473.73	134.41
<b>23 21 13 23-0838 Flanged Steel, Concentric Reducers</b> <small>(23 21 13 23-0799)</small>		
23 21 13 23-0839 EA 3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,094.02 811.97 1,217.95	52.75
23 21 13 23-0840 EA 4" x 3" Standard Weight, Flanged Steel, Concentric Reducer ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,243.26 922.86 1,384.30	59.78
23 21 13 23-0841 EA 5" x 4" Standard Weight, Flanged Steel, Concentric Reducer ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,857.34 1,404.10 2,106.16	68.17
23 21 13 23-0842 EA 6" x 4" Standard Weight, Flanged Steel, Concentric Reducer ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,049.21 1,550.66 2,325.98	73.96
23 21 13 23-0843 EA 8" x 6" Standard Weight, Flanged Steel, Concentric Reducer ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,399.66 1,814.05 2,721.07	88.13
<b>23 21 13 23-0844 Flanged Steel, Eccentric Reducers</b> <small>(23 21 13 23-0799)</small>		
23 21 13 23-0845 EA 4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,180.88 872.96 1,309.44	59.78
23 21 13 23-0846 EA 5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,613.26 1,208.84 1,813.26	68.17
<b>23 21 13 23-0847 Plain End Couplings And Fittings</b> <small>(23 21 13 23)</small> Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.		
<b>23 21 13 23-0848 Plain End Piping System Couplings</b> <small>(23 21 13 23-0847)</small>		
<b>23 21 13 23-0849 Plainlock Plain End Piping System Couplings</b> <small>(23 21 13 23-0848)</small> Note: Ductile iron body with gasket, bolts and nuts.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0850	EA	1" Plainlock Plain End Piping System Coupling .....	175.31	5.79
			<i>For Galvanized Fittings, Add</i>	33.33	
23 21	13 23-0851	EA	1-1/2" Plainlock Plain End Piping System Coupling.....	178.69	8.00
			<i>For Galvanized Fittings, Add</i>	33.33	
23 21	13 23-0852	EA	2" Plainlock Plain End Piping System Coupling .....	182.59	10.61
			<i>For Galvanized Fittings, Add</i>	33.33	
23 21	13 23-0853	EA	2-1/2" Plainlock Plain End Piping System Coupling.....	185.93	12.82
			<i>For Galvanized Fittings, Add</i>	33.33	
23 21	13 23-0854	EA	3" Plainlock Plain End Piping System Coupling .....	219.81	15.42
			<i>For Galvanized Fittings, Add</i>	39.33	
23 21	13 23-0855	EA	4" Plainlock Plain End Piping System Coupling .....	303.33	20.54
			<i>For Galvanized Fittings, Add</i>	54.49	
23 21	13 23-0856	EA	6" Plainlock Plain End Piping System Coupling .....	510.24	33.46
			<i>For Galvanized Fittings, Add</i>	92.02	
<b>23 21</b>	<b>13 23-0857</b>		<b>Roust-A-Bout Plain End Piping System Couplings</b> <small>(23 21 13 23-0848)</small>		
			Note: Ductile iron body with gasket, bolts and nuts.		
23 21	13 23-0858	EA	1-1/2" Roust-A-Bout Plain End Piping System Coupling.....	211.06	8.00
			<i>For Galvanized Fittings, Add</i>	49.75	
23 21	13 23-0859	EA	2" Roust-A-Bout Plain End Piping System Coupling.....	214.96	10.61
			<i>For Galvanized Fittings, Add</i>	49.75	
23 21	13 23-0860	EA	2-1/2" Roust-A-Bout Plain End Piping System Coupling.....	218.31	12.92
			<i>For Galvanized Fittings, Add</i>	49.75	
23 21	13 23-0861	EA	3" Roust-A-Bout Plain End Piping System Coupling.....	317.91	15.42
			<i>For Galvanized Fittings, Add</i>	73.70	
23 21	13 23-0862	EA	3-1/2" Roust-A-Bout Plain End Piping System Coupling.....	368.16	18.03
			<i>For Galvanized Fittings, Add</i>	85.29	
23 21	13 23-0863	EA	4" Roust-A-Bout Plain End Piping System Coupling.....	371.98	20.54
			<i>For Galvanized Fittings, Add</i>	85.29	
23 21	13 23-0864	EA	5" Roust-A-Bout Plain End Piping System Coupling.....	525.96	25.75
			<i>For Galvanized Fittings, Add</i>	121.84	
23 21	13 23-0865	EA	6" Roust-A-Bout Plain End Piping System Coupling.....	645.39	33.46
			<i>For Galvanized Fittings, Add</i>	148.81	
23 21	13 23-0866	EA	8" Roust-A-Bout Plain End Piping System Coupling.....	1,115.32	39.92
			<i>For Galvanized Fittings, Add</i>	263.87	
23 21	13 23-0867	EA	10" Roust-A-Bout Plain End Piping System Coupling.....	1,444.05	47.24
			<i>For Galvanized Fittings, Add</i>	343.29	
23 21	13 23-0868	EA	12" Roust-A-Bout Plain End Piping System Coupling.....	1,806.93	55.92
			<i>For Galvanized Fittings, Add</i>	430.76	
23 21	13 23-0869	EA	14" Roust-A-Bout Plain End Piping System Coupling.....	2,539.44	61.81
			<i>For Galvanized Fittings, Add</i>	611.68	
23 21	13 23-0870	EA	16" Roust-A-Bout Plain End Piping System Coupling.....	3,455.41	69.91
			<i>For Galvanized Fittings, Add</i>	837.65	
<b>23 21</b>	<b>13 23-0871</b>		<b>Plain End Piping System Fittings</b> <small>(23 21 13 23-0847)</small>		
			Note: Cast ductile iron bodies.		
<b>23 21</b>	<b>13 23-0872</b>		<b>Plain End Piping System, 90 Degree Elbows</b> <small>(23 21 13 23-0871)</small>		
23 21	13 23-0873	EA	1" Plain End Piping System, 90 Degree Elbow .....	173.06	10.51
			<i>For Galvanized Fittings, Add</i>	31.46	
23 21	13 23-0874	EA	1-1/2" Plain End Piping System, 90 Degree Elbow.....	181.16	15.91
			<i>For Galvanized Fittings, Add</i>	31.46	
23 21	13 23-0875	EA	2" Plain End Piping System, 90 Degree Elbow .....	188.82	21.02
			<i>For Galvanized Fittings, Add</i>	31.46	
23 21	13 23-0876	EA	2-1/2" Plain End Piping System, 90 Degree Elbow.....	195.68	25.65
			<i>For Galvanized Fittings, Add</i>	31.46	
23 21	13 23-0877	EA	3" Plain End Piping System, 90 Degree Elbow .....	235.48	31.05
			<i>For Galvanized Fittings, Add</i>	37.79	
23 21	13 23-0878	EA	4" Plain End Piping System, 90 Degree Elbow .....	336.88	40.88
			<i>For Galvanized Fittings, Add</i>	55.11	
23 21	13 23-0879	EA	5" Plain End Piping System, 90 Degree Elbow .....	1,030.50	51.20
			<i>For Galvanized Fittings, Add</i>	190.75	
23 21	13 23-0880	EA	6" Plain End Piping System, 90 Degree Elbow .....	858.82	67.01
			<i>For Galvanized Fittings, Add</i>	151.68	
23 21	13 23-0881	EA	8" Plain End Piping System, 90 Degree Elbow .....	1,721.09	79.54
			<i>For Galvanized Fittings, Add</i>	320.35	
23 21	13 23-0882	EA	10" Plain End Piping System, 90 Degree Elbow .....	2,152.50	92.95
			<i>For Galvanized Fittings, Add</i>	402.63	
23 21	13 23-0883	EA	12" Plain End Piping System, 90 Degree Elbow .....	2,730.61	111.65
			<i>For Galvanized Fittings, Add</i>	512.64	
<b>23 21</b>	<b>13 23-0884</b>		<b>Plain End Piping System, 45 Degree Elbows</b> <small>(23 21 13 23-0871)</small>		
23 21	13 23-0885	EA	1" Plain End Piping System, 45 Degree Elbow .....	173.06	10.51
			<i>For Galvanized Fittings, Add</i>	31.46	
23 21	13 23-0886	EA	1-1/2" Plain End Piping System, 45 Degree Elbow.....	181.16	15.91
			<i>For Galvanized Fittings, Add</i>	31.46	
23 21	13 23-0887	EA	2" Plain End Piping System, 45 Degree Elbow .....	188.82	21.02
			<i>For Galvanized Fittings, Add</i>	31.46	
23 21	13 23-0888	EA	2-1/2" Plain End Piping System, 45 Degree Elbow.....	195.68	25.65
			<i>For Galvanized Fittings, Add</i>	31.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0889 EA 3" Plain End Piping System, 45 Degree Elbow.....	235.48	31.05
For Galvanized Fittings, Add	37.79	
23 21 13 23-0890 EA 4" Plain End Piping System, 45 Degree Elbow.....	336.88	40.88
For Galvanized Fittings, Add	55.11	
23 21 13 23-0891 EA 5" Plain End Piping System, 45 Degree Elbow.....	1,030.50	51.20
For Galvanized Fittings, Add	190.75	
23 21 13 23-0892 EA 6" Plain End Piping System, 45 Degree Elbow.....	861.73	67.01
For Galvanized Fittings, Add	152.26	
23 21 13 23-0893 EA 8" Plain End Piping System, 45 Degree Elbow.....	999.45	79.54
For Galvanized Fittings, Add	176.02	
23 21 13 23-0894 EA 10" Plain End Piping System, 45 Degree Elbow.....	1,367.59	92.95
For Galvanized Fittings, Add	245.65	
23 21 13 23-0895 EA 12" Plain End Piping System, 45 Degree Elbow.....	1,754.13	111.65
For Galvanized Fittings, Add	317.35	
<b>23 21 13 23-0896 Plain End Piping System, Tees (23 21 13 23-0871)</b>		
23 21 13 23-0897 EA 1" Plain End Piping System, Tee.....	235.69	15.91
For Galvanized Fittings, Add	42.37	
23 21 13 23-0898 EA 1-1/2" Plain End Piping System, Tee.....	247.65	23.91
For Galvanized Fittings, Add	42.37	
23 21 13 23-0899 EA 2" Plain End Piping System, Tee.....	258.19	30.95
For Galvanized Fittings, Add	42.37	
23 21 13 23-0900 EA 2-1/2" Plain End Piping System, Tee.....	268.68	37.90
For Galvanized Fittings, Add	42.37	
23 21 13 23-0901 EA 3" Plain End Piping System, Tee.....	374.71	46.57
For Galvanized Fittings, Add	60.97	
23 21 13 23-0902 EA 4" Plain End Piping System, Tee.....	514.23	60.27
For Galvanized Fittings, Add	84.79	
23 21 13 23-0903 EA 5" Plain End Piping System, Tee.....	1,049.45	78.78
For Galvanized Fittings, Add	186.26	
23 21 13 23-0904 EA 6" Plain End Piping System, Tee.....	1,297.27	98.64
For Galvanized Fittings, Add	229.88	
23 21 13 23-0905 EA 8" Plain End Piping System, Tee.....	1,772.46	119.95
For Galvanized Fittings, Add	318.51	
23 21 13 23-0906 EA 10" Plain End Piping System, Tee.....	2,641.62	139.81
For Galvanized Fittings, Add	486.40	
23 21 13 23-0907 EA 12" Plain End Piping System, Tee.....	3,541.04	167.49
For Galvanized Fittings, Add	657.99	
<b>23 21 13 23-0908 Plain End Piping System, Reducing Tees (23 21 13 23-0871)</b>		
23 21 13 23-0909 EA 1-1/2" Plain End Piping System, Reducing Tee.....	457.13	25.65
For Galvanized Fittings, Add	83.74	
23 21 13 23-0910 EA 2" Plain End Piping System, Reducing Tee.....	465.06	30.95
For Galvanized Fittings, Add	83.74	
23 21 13 23-0911 EA 2-1/2" Plain End Piping System, Reducing Tee.....	475.55	37.90
For Galvanized Fittings, Add	83.74	
23 21 13 23-0912 EA 3" Plain End Piping System, Reducing Tee.....	488.57	46.57
For Galvanized Fittings, Add	83.74	
23 21 13 23-0913 EA 4" Plain End Piping System, Reducing Tee.....	708.41	60.27
For Galvanized Fittings, Add	123.63	
23 21 13 23-0914 EA 6" Plain End Piping System, Reducing Tee.....	1,197.55	98.64
For Galvanized Fittings, Add	209.93	
23 21 13 23-0915 EA 8" Plain End Piping System, Reducing Tee.....	1,562.23	119.95
For Galvanized Fittings, Add	276.47	
23 21 13 23-0916 EA 10" Plain End Piping System, Reducing Tee.....	2,340.72	139.81
For Galvanized Fittings, Add	426.22	
23 21 13 23-0917 EA 12" Plain End Piping System, Reducing Tee.....	3,454.94	167.49
For Galvanized Fittings, Add	640.77	
<b>23 21 13 23-0918 Plain End Piping System, Wyes (23 21 13 23-0871)</b>		
23 21 13 23-0919 EA 2" Plain End Piping System, Wye.....	666.83	30.95
For Galvanized Fittings, Add	124.09	
23 21 13 23-0920 EA 2-1/2" Plain End Piping System, Wye.....	677.32	37.90
For Galvanized Fittings, Add	124.09	
23 21 13 23-0921 EA 3" Plain End Piping System, Wye.....	767.31	46.57
For Galvanized Fittings, Add	139.49	
23 21 13 23-0922 EA 4" Plain End Piping System, Wye.....	1,125.51	60.27
For Galvanized Fittings, Add	207.05	
23 21 13 23-0923 EA 5" Plain End Piping System, Wye.....	1,377.91	78.78
For Galvanized Fittings, Add	251.95	
23 21 13 23-0924 EA 6" Plain End Piping System, Wye.....	1,882.60	98.64
For Galvanized Fittings, Add	346.94	
23 21 13 23-0925 EA 8" Plain End Piping System, Wye.....	2,426.45	119.95
For Galvanized Fittings, Add	449.31	
23 21 13 23-0926 EA 10" Plain End Piping System, Wye.....	3,522.46	139.81
For Galvanized Fittings, Add	662.57	
23 21 13 23-0927 EA 12" Plain End Piping System, Wye.....	5,358.12	167.49
For Galvanized Fittings, Add	1,021.41	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0928			<b>Plain End Piping System, Laterals</b> (23 21 13 23-0871)		
23 21 13 23-0929	EA		2" Plain End Piping System, Lateral .....	710.71	30.95
			<i>For Galvanized Fittings, Add</i> .....	132.87	
23 21 13 23-0930	EA		2-1/2" Plain End Piping System, Lateral .....	721.20	37.90
			<i>For Galvanized Fittings, Add</i> .....	132.87	
23 21 13 23-0931	EA		3" Plain End Piping System, Lateral .....	810.90	46.57
			<i>For Galvanized Fittings, Add</i> .....	148.21	
23 21 13 23-0932	EA		4" Plain End Piping System, Lateral .....	1,208.75	60.27
			<i>For Galvanized Fittings, Add</i> .....	223.69	
23 21 13 23-0933	EA		5" Plain End Piping System, Lateral .....	1,576.18	78.78
			<i>For Galvanized Fittings, Add</i> .....	291.60	
23 21 13 23-0934	EA		6" Plain End Piping System, Lateral .....	2,010.16	98.64
			<i>For Galvanized Fittings, Add</i> .....	372.45	
23 21 13 23-0935	EA		8" Plain End Piping System, Lateral .....	2,895.01	119.95
			<i>For Galvanized Fittings, Add</i> .....	543.02	
23 21 13 23-0936	EA		10" Plain End Piping System, Lateral .....	4,042.33	139.81
			<i>For Galvanized Fittings, Add</i> .....	766.54	
23 21 13 23-0937	EA		12" Plain End Piping System, Lateral .....	5,435.39	167.49
			<i>For Galvanized Fittings, Add</i> .....	1,036.86	
23 21 13 23-0938			<b>Plain End Piping System, Crosses</b> (23 21 13 23-0871)		
23 21 13 23-0939	EA		2" Plain End Piping System, Cross .....	790.82	46.38
			<i>For Galvanized Fittings, Add</i> .....	90.17	
23 21 13 23-0940	EA		2-1/2" Plain End Piping System, Cross .....	806.53	56.79
			<i>For Galvanized Fittings, Add</i> .....	90.17	
23 21 13 23-0941	EA		3" Plain End Piping System, Cross .....	941.48	69.91
			<i>For Galvanized Fittings, Add</i> .....	104.58	
23 21 13 23-0942	EA		4" Plain End Piping System, Cross .....	1,284.81	90.35
			<i>For Galvanized Fittings, Add</i> .....	143.67	
23 21 13 23-0943	EA		5" Plain End Piping System, Cross .....	1,809.75	118.22
			<i>For Galvanized Fittings, Add</i> .....	204.06	
23 21 13 23-0944	EA		6" Plain End Piping System, Cross .....	2,376.74	147.52
			<i>For Galvanized Fittings, Add</i> .....	269.45	
23 21 13 23-0945	EA		8" Plain End Piping System, Cross .....	3,033.25	178.67
			<i>For Galvanized Fittings, Add</i> .....	345.68	
23 21 13 23-0946	EA		10" Plain End Piping System, Cross .....	4,347.97	208.85
			<i>For Galvanized Fittings, Add</i> .....	504.37	
23 21 13 23-0947	EA		12" Plain End Piping System, Cross .....	6,194.68	251.27
			<i>For Galvanized Fittings, Add</i> .....	727.25	
23 21 13 23-0948			<b>Plain End Piping System, Adapter Nipples</b> (23 21 13 23-0871)		
			Note: Plain to threaded, plain to beveled or plain to grooved.		
23 21 13 23-0949	EA		1" Plain End Piping System, Adapter Nipple .....	34.31	5.79
			<i>For Galvanized Fittings, Add</i> .....	6.41	
23 21 13 23-0950	EA		1-1/2" Plain End Piping System, Adapter Nipple .....	38.39	8.00
			<i>For Galvanized Fittings, Add</i> .....	6.58	
23 21 13 23-0951	EA		2" Plain End Piping System, Adapter Nipple .....	42.19	10.61
			<i>For Galvanized Fittings, Add</i> .....	6.58	
23 21 13 23-0952	EA		2-1/2" Plain End Piping System, Adapter Nipple .....	50.14	12.82
			<i>For Galvanized Fittings, Add</i> .....	7.71	
23 21 13 23-0953	EA		3" Plain End Piping System, Adapter Nipple .....	61.26	15.42
			<i>For Galvanized Fittings, Add</i> .....	9.53	
23 21 13 23-0954	EA		4" Plain End Piping System, Adapter Nipple .....	94.60	20.54
			<i>For Galvanized Fittings, Add</i> .....	15.94	
23 21 13 23-0955	EA		6" Plain End Piping System, Adapter Nipple .....	210.98	25.75
			<i>For Galvanized Fittings, Add</i> .....	43.10	
23 21 13 23-0956			<b>Plain End Piping System, Reducing (Swaged) Nipples</b> (23 21 13 23-0871)		
23 21 13 23-0957	EA		1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple .....	106.86	13.79
			<i>For Galvanized Fittings, Add</i> .....	21.53	
23 21 13 23-0958	EA		2" x 1" Plain End Piping System, Reducing (Swaged) Nipple .....	110.73	16.39
			<i>For Galvanized Fittings, Add</i> .....	21.53	
23 21 13 23-0959	EA		2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple .....	114.62	18.99
			<i>For Galvanized Fittings, Add</i> .....	21.53	
23 21 13 23-0960	EA		2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple .....	113.68	18.42
			<i>For Galvanized Fittings, Add</i> .....	21.53	
23 21 13 23-0961	EA		2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple .....	117.47	20.92
			<i>For Galvanized Fittings, Add</i> .....	21.53	
23 21 13 23-0962	EA		2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple .....	121.32	23.43
			<i>For Galvanized Fittings, Add</i> .....	21.53	
23 21 13 23-0963	EA		3" x 1" Plain End Piping System, Reducing (Swaged) Nipple .....	136.66	21.21
			<i>For Galvanized Fittings, Add</i> .....	26.23	
23 21 13 23-0964	EA		3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple .....	140.09	23.43
			<i>For Galvanized Fittings, Add</i> .....	26.23	
23 21 13 23-0965	EA		3" x 2" Plain End Piping System, Reducing (Swaged) Nipple .....	119.75	26.03
			<i>For Galvanized Fittings, Add</i> .....	20.17	
23 21 13 23-0966	EA		3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple .....	127.22	31.05
			<i>For Galvanized Fittings, Add</i> .....	20.17	
23 21 13 23-0967	EA		3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple .....	146.59	33.46
			<i>For Galvanized Fittings, Add</i> .....	24.12	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0968 EA 4" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	187.03 36.88	26.32
23 21 13 23-0969 EA 4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	190.40 36.88	28.64
23 21 13 23-0970 EA 4" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	158.51 27.93	31.24
23 21 13 23-0971 EA 4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	161.82 27.93	33.46
23 21 13 23-0972 EA 4" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	165.75 27.93	36.06
23 21 13 23-0973 EA 4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	169.51 27.93	38.57
23 21 13 23-0974 EA 5" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	465.31 102.69	36.35
23 21 13 23-0975 EA 5" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	378.70 79.26	41.07
23 21 13 23-0976 EA 5" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	330.37 65.23	46.38
23 21 13 23-0977 EA 6" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	841.48 195.67	39.25
23 21 13 23-0978 EA 6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	844.80 195.67	41.47
23 21 13 23-0979 EA 6" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	644.94 144.73	44.07
23 21 13 23-0980 EA 6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	648.37 144.73	46.38
23 21 13 23-0981 EA 6" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	448.44 93.79	48.89
23 21 13 23-0982 EA 6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	451.94 93.79	51.20
23 21 13 23-0983 EA 6" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	365.42 71.13	54.00
23 21 13 23-0984 EA 6" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	414.86 81.56	59.11
23 21 13 23-0985 EA 8" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	535.30 113.12	55.25
23 21 13 23-0986 EA 8" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	543.08 113.12	60.46
23 21 13 23-0987 EA 8" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	613.12 128.68	65.66
23 21 13 23-0988 EA 8" x 6" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	687.04 144.24	73.37
<b>23 21 13 23-0989 Plain End Piping System, Bull Plugs (23 21 13 23-0871)</b>		
23 21 13 23-0990 EA 1" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	350.69 102.60	5.79
23 21 13 23-0991 EA 1-1/2" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	354.07 102.60	8.00
23 21 13 23-0992 EA 2" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	357.87 102.60	10.61
23 21 13 23-0993 EA 2-1/2" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	361.30 102.60	12.82
23 21 13 23-0994 EA 3" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	524.50 150.41	15.42
23 21 13 23-0995 EA 4" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	678.43 194.27	20.54
23 21 13 23-0996 EA 5" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	1,182.98 343.33	25.75
23 21 13 23-0997 EA 6" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	1,576.51 457.91	33.46
23 21 13 23-0998 EA 8" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	2,929.42 860.90	39.82
23 21 13 23-0999 EA 10" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	5,279.24 1,562.81	46.57
23 21 13 23-1000 EA 12" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	8,094.96 2,403.33	55.92
<b>23 21 13 23-1001 Carbon Steel Piping Systems (23 21 13 23)</b>		
<b>23 21 13 23-1002 Class 3,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-1001)</b> Note: ASTM A105		
<b>23 21 13 23-1003 90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1002)</b>		
23 21 13 23-1004 EA 1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	38.76	19.09
23 21 13 23-1005 EA 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	43.63	21.31
23 21 13 23-1006 EA 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	57.19	23.81
23 21 13 23-1007 EA 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	80.48	27.00
23 21 13 23-1008 EA 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	92.19	30.38
23 21 13 23-1009 EA 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	126.35	38.66
23 21 13 23-1010 EA 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	259.35	57.18
23 21 13 23-1011 EA 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	371.97	75.21
23 21 13 23-1012 EA 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	669.25	79.28

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1013			<b>45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1002)</small>		
23 21 13 23-1014	EA		1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	43.26	19.09
23 21 13 23-1015	EA		3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	50.42	21.31
23 21 13 23-1016	EA		1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	59.28	23.81
23 21 13 23-1017	EA		1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	83.13	27.00
23 21 13 23-1018	EA		1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	98.53	30.38
23 21 13 23-1019	EA		2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	126.22	38.66
23 21 13 23-1020	EA		2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	298.15	57.18
23 21 13 23-1021	EA		3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	404.79	75.21
23 21 13 23-1022	EA		4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	655.05	79.28
23 21 13 23-1023			<b>Straight Tees, 3,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1002)</small>		
23 21 13 23-1024	EA		1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	47.29	23.81
23 21 13 23-1025	EA		3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	57.93	27.48
23 21 13 23-1026	EA		1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	78.29	32.49
23 21 13 23-1027	EA		1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	106.17	38.66
23 21 13 23-1028	EA		1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	128.96	46.09
23 21 13 23-1029	EA		2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	172.56	57.18
23 21 13 23-1030	EA		2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	321.88	75.21
23 21 13 23-1031	EA		3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	447.90	89.28
23 21 13 23-1032	EA		4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	887.75	100.08
23 21 13 23-1033			<b>Reducing Tees, 3,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1002)</small>		
23 21 13 23-1034	EA		1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	48.52	23.81
23 21 13 23-1035	EA		3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	59.20	27.48
23 21 13 23-1036	EA		1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	79.81	32.49
23 21 13 23-1037	EA		1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	109.77	38.66
23 21 13 23-1038	EA		1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	133.19	46.09
23 21 13 23-1039	EA		2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	179.05	57.18
23 21 13 23-1040	EA		2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	337.31	75.21
23 21 13 23-1041	EA		3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	470.10	89.28
23 21 13 23-1042	EA		4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	808.73	100.08
23 21 13 23-1043			<b>Straight Couplings, 3,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1002)</small>		
23 21 13 23-1044	EA		1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	33.23	19.09
23 21 13 23-1045	EA		3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	37.50	21.31
23 21 13 23-1046	EA		1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	44.17	23.81
23 21 13 23-1047	EA		1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	51.09	27.00
23 21 13 23-1048	EA		1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	59.93	30.38
23 21 13 23-1049	EA		2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	78.87	38.66
23 21 13 23-1050	EA		2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 LB.....	138.40	57.18
23 21 13 23-1051	EA		3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	185.45	75.21
23 21 13 23-1052	EA		4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	263.79	79.28
23 21 13 23-1053			<b>Reducing Couplings, 3,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1002)</small>		
23 21 13 23-1054	EA		1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	35.73	19.09
23 21 13 23-1055	EA		3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	40.25	21.31
23 21 13 23-1056	EA		1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	48.57	23.81
23 21 13 23-1057	EA		1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	56.41	27.00
23 21 13 23-1058	EA		1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	67.81	30.38
23 21 13 23-1059	EA		2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	87.30	38.66
23 21 13 23-1060	EA		2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	156.96	57.18
23 21 13 23-1061	EA		3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	222.79	75.21
23 21 13 23-1062	EA		4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	341.41	79.28
23 21 13 23-1063			<b>Caps, 3,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1002)</small>		
23 21 13 23-1064	EA		1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	20.75	8.96
23 21 13 23-1065	EA		3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	23.93	9.55
23 21 13 23-1066	EA		1" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	28.16	10.99
23 21 13 23-1067	EA		1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	33.08	11.96
23 21 13 23-1068	EA		1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	38.66	11.96
23 21 13 23-1069	EA		2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	50.20	15.33
23 21 13 23-1070	EA		2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	92.53	19.09
23 21 13 23-1071	EA		3" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	135.33	23.05
23 21 13 23-1072	EA		4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	197.85	27.13
23 21 13 23-1073			<b>Black Cast Iron Square Head Plug</b> <small>(23 21 13 23-1002)</small>		
23 21 13 23-1074	EA		1/2" Square Head Plug, Black, Cast Iron.....	12.97	7.62
23 21 13 23-1075	EA		3/4" Square Head Plug, Black, Cast Iron.....	15.36	7.62
23 21 13 23-1076	EA		1" Square Head Plug, Black, Cast Iron.....	21.71	11.57
23 21 13 23-1077	EA		1-1/4" Square Head Plug, Black, Cast Iron.....	22.19	11.57
23 21 13 23-1078	EA		1-1/2" Square Head Plug, Black, Cast Iron.....	24.17	11.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1079 EA 2" Square Head Plug, Black, Cast Iron.....	31.98	15.33
23 21 13 23-1080 EA 2-1/2" Square Head Plug, Black, Cast Iron.....	41.53	19.09
23 21 13 23-1081 EA 3" Square Head Plug, Black, Cast Iron.....	55.36	23.05
23 21 13 23-1082 EA 4" Square Head Plug, Black, Cast Iron.....	65.15	27.13
<b>23 21 13 23-1083 Unions, 3,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1002)</small>		
23 21 13 23-1084 EA 1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	61.80	23.81
23 21 13 23-1085 EA 3/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	67.98	27.48
23 21 13 23-1086 EA 1" Union, Carbon Steel, Socket Weld, 3,000 LB.....	87.83	32.49
23 21 13 23-1087 EA 1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	111.93	38.66
23 21 13 23-1088 EA 1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	135.04	46.09
23 21 13 23-1089 EA 2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	169.01	57.18
23 21 13 23-1090 EA 2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	306.48	62.09
23 21 13 23-1091 EA 3" Union, Carbon Steel, Socket Weld, 3,000 LB.....	415.13	75.21
<b>23 21 13 23-1092 Class 6,000 LB Carbon Steel Socket Weld Fittings</b> <small>(23 21 13 23-1001)</small>		
<small>Note: ASTM A105</small>		
<b>23 21 13 23-1093 90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1092)</small>		
23 21 13 23-1094 EA 1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	44.18	19.09
23 21 13 23-1095 EA 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	49.82	21.31
23 21 13 23-1096 EA 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	68.60	23.81
23 21 13 23-1097 EA 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	101.75	27.00
23 21 13 23-1098 EA 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	116.94	30.38
23 21 13 23-1099 EA 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	162.70	38.66
23 21 13 23-1100 EA 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	351.58	57.18
23 21 13 23-1101 EA 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	509.63	75.21
23 21 13 23-1102 EA 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	961.58	79.28
<b>23 21 13 23-1103 45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1092)</small>		
23 21 13 23-1104 EA 1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	51.57	19.09
23 21 13 23-1105 EA 3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	60.87	21.31
23 21 13 23-1106 EA 1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	72.62	23.81
23 21 13 23-1107 EA 1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	107.30	27.00
23 21 13 23-1108 EA 1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	128.50	30.38
23 21 13 23-1109 EA 2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	164.90	38.66
23 21 13 23-1110 EA 2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	418.43	57.18
23 21 13 23-1111 EA 3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	570.14	75.21
23 21 13 23-1112 EA 4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	958.66	79.28
<b>23 21 13 23-1113 Straight Tees, 6,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1092)</small>		
23 21 13 23-1114 EA 1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	58.02	23.81
23 21 13 23-1115 EA 3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	73.42	27.48
23 21 13 23-1116 EA 1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	105.70	32.49
23 21 13 23-1117 EA 1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	150.86	38.66
23 21 13 23-1118 EA 1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	184.38	46.09
23 21 13 23-1119 EA 2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	253.02	57.18
23 21 13 23-1120 EA 2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	515.56	75.21
23 21 13 23-1121 EA 3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	738.72	89.28
23 21 13 23-1122 EA 4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	1,570.99	100.08
<b>23 21 13 23-1123 Reducing Tees, 6,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1092)</small>		
23 21 13 23-1124 EA 1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	48.52	23.81
23 21 13 23-1125 EA 3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	59.20	27.48
23 21 13 23-1126 EA 1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	79.81	32.49
23 21 13 23-1127 EA 1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	109.77	38.66
23 21 13 23-1128 EA 1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	133.19	46.09
23 21 13 23-1129 EA 2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	179.05	57.18
23 21 13 23-1130 EA 2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	337.31	75.21
23 21 13 23-1131 EA 3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	470.10	89.28
23 21 13 23-1132 EA 4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	808.73	100.08
<b>23 21 13 23-1133 Straight Couplings, 6,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1092)</small>		
23 21 13 23-1134 EA 1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	35.48	19.09
23 21 13 23-1135 EA 3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	40.16	21.31
23 21 13 23-1136 EA 1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	48.26	23.81
23 21 13 23-1137 EA 1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	56.25	27.00
23 21 13 23-1138 EA 1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	66.86	30.38
23 21 13 23-1139 EA 2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	89.00	38.66
23 21 13 23-1140 EA 2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	163.89	57.18
23 21 13 23-1141 EA 3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	220.59	75.21
23 21 13 23-1142 EA 4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	333.91	79.28

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1143			<b>Reducing Couplings, 6,000 LB Carbon Steel Socket Weld</b> (23 21 13 23-1092)		
23 21 13 23-1144	EA		1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB .....	39.17	19.09
23 21 13 23-1145	EA		3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB .....	44.21	21.31
23 21 13 23-1146	EA		1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB .....	54.74	23.81
23 21 13 23-1147	EA		1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB .....	64.08	27.00
23 21 13 23-1148	EA		1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB .....	78.48	30.38
23 21 13 23-1149	EA		2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB .....	101.40	38.66
23 21 13 23-1150	EA		2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB .....	191.17	57.18
23 21 13 23-1151	EA		3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB .....	275.59	75.21
23 21 13 23-1152	EA		4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB .....	448.26	79.28
23 21 13 23-1153			<b>Caps, 6,000 LB Carbon Steel Socket Weld</b> (23 21 13 23-1092)		
23 21 13 23-1154	EA		1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB .....	25.69	8.96
23 21 13 23-1155	EA		3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB .....	30.41	9.55
23 21 13 23-1156	EA		1" Cap, Carbon Steel, Socket Weld, 6,000 LB .....	35.99	10.99
23 21 13 23-1157	EA		1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB .....	43.30	11.96
23 21 13 23-1158	EA		1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB .....	52.63	11.96
23 21 13 23-1159	EA		2" Cap, Carbon Steel, Socket Weld, 6,000 LB .....	68.42	15.33
23 21 13 23-1160	EA		2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB .....	135.46	19.09
23 21 13 23-1161	EA		3" Cap, Carbon Steel, Socket Weld, 6,000 LB .....	202.96	23.05
23 21 13 23-1162	EA		4" Cap, Carbon Steel, Socket Weld, 6,000 LB .....	303.29	27.13
23 21 13 23-1163			<b>Black Cast Iron Square Head Plug</b> (23 21 13 23-1092)		
23 21 13 23-1164	EA		1/2" Square Head Plug, Black Cast Iron .....	12.98	7.62
23 21 13 23-1165	EA		3/4" Square Head Plug, Black Cast Iron .....	15.38	7.62
23 21 13 23-1166	EA		1" Square Head Plug, Black Cast Iron .....	21.74	11.57
23 21 13 23-1167	EA		1-1/4" Square Head Plug, Black Cast Iron .....	22.22	11.57
23 21 13 23-1168	EA		1-1/2" Square Head Plug, Black Cast Iron .....	24.20	11.57
23 21 13 23-1169	EA		2" Square Head Plug, Black Cast Iron .....	32.02	15.33
23 21 13 23-1170	EA		2-1/2" Square Head Plug, Black Cast Iron .....	41.60	19.09
23 21 13 23-1171	EA		3" Square Head Plug, Black Cast Iron .....	55.47	23.05
23 21 13 23-1172	EA		4" Square Head Plug, Black Cast Iron .....	65.27	27.13
23 21 13 23-1173			<b>Unions, 6,000 LB Carbon Steel Socket Weld</b> (23 21 13 23-1092)		
23 21 13 23-1174	EA		1/2" Union, Carbon Steel, Socket Weld, 6,000 LB .....	77.76	23.81
23 21 13 23-1175	EA		3/4" Union, Carbon Steel, Socket Weld, 6,000 LB .....	84.36	27.48
23 21 13 23-1176	EA		1" Union, Carbon Steel, Socket Weld, 6,000 LB .....	111.76	32.49
23 21 13 23-1177	EA		1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB .....	144.96	38.66
23 21 13 23-1178	EA		1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB .....	175.35	46.09
23 21 13 23-1179	EA		2" Union, Carbon Steel, Socket Weld, 6,000 LB .....	219.96	57.18
23 21 13 23-1180	EA		2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB .....	436.93	62.09
23 21 13 23-1181	EA		3" Union, Carbon Steel, Socket Weld, 6,000 LB .....	600.02	75.21
23 21 13 23-1182			<b>Carbon Steel, Seamless Piping System</b> (23 21 13 23-1001)		
Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.					
23 21 13 23-1183			<b>Schedule 40, Carbon Steel, Seamless Piping</b> (23 21 13 23-1182)		
Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.					
23 21 13 23-1184	LF		1/4" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	9.85	3.57
			For Schedule 80, Add .....	1.62	
23 21 13 23-1185	LF		1/2" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	9.96	3.86
			For Schedule 80, Add .....	1.48	
			For Schedule 160, Add .....	6.17	
23 21 13 23-1186	LF		3/4" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	11.26	4.14
			For Schedule 80, Add .....	1.81	
			For Schedule 160, Add .....	7.56	
23 21 13 23-1187	LF		1" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	11.93	4.54
			For Schedule 80, Add .....	1.87	
			For Schedule 160, Add .....	7.79	
23 21 13 23-1188	LF		1-1/2" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	16.04	5.60
			For Schedule 80, Add .....	2.75	
			For Schedule 160, Add .....	11.48	
23 21 13 23-1189	LF		2" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	20.23	6.74
			For Schedule 80, Add .....	3.63	
			For Schedule 160, Add .....	15.12	
23 21 13 23-1190			<b>90 Degree Elbows, Screwed Carbon Steel</b> (23 21 13 23-1182)		
23 21 13 23-1191	EA		1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	28.43	14.66
23 21 13 23-1192	EA		1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	34.53	17.16
23 21 13 23-1193	EA		3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	38.57	19.19
23 21 13 23-1194	EA		1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	44.48	21.40
23 21 13 23-1195	EA		1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	72.89	27.38
23 21 13 23-1196	EA		2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	92.33	34.81
23 21 13 23-1197	EA		1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	30.47	14.66
23 21 13 23-1198	EA		1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	35.30	17.16
23 21 13 23-1199	EA		3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	41.10	19.19



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1200	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	49.99	21.40
23 21	13 23-1201	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	86.04	27.38
23 21	13 23-1202	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	106.86	34.81
23 21	13 23-1203	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	42.46	17.16
23 21	13 23-1204	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	50.12	19.19
23 21	13 23-1205	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	59.46	21.40
23 21	13 23-1206	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	112.66	27.38
23 21	13 23-1207	EA	2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	177.46	34.81
<b>23 21 13 23-1208 45 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1182)</b>					
23 21	13 23-1209	EA	1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	32.64	14.66
23 21	13 23-1210	EA	1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	36.18	17.16
23 21	13 23-1211	EA	3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	40.71	19.19
23 21	13 23-1212	EA	1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	46.10	21.40
23 21	13 23-1213	EA	1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	67.63	27.38
23 21	13 23-1214	EA	2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	100.43	34.81
23 21	13 23-1215	EA	1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	32.97	14.66
23 21	13 23-1216	EA	1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	38.06	17.16
23 21	13 23-1217	EA	3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	42.87	19.19
23 21	13 23-1218	EA	1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	51.73	21.40
23 21	13 23-1219	EA	1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	84.01	27.38
23 21	13 23-1220	EA	2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	111.40	34.81
23 21	13 23-1221	EA	1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	47.40	17.16
23 21	13 23-1222	EA	3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	59.04	19.19
23 21	13 23-1223	EA	1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	62.81	21.40
23 21	13 23-1224	EA	1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	131.65	27.38
23 21	13 23-1225	EA	2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	178.71	34.81
<b>23 21 13 23-1226 Straight Tees, Screwed Carbon Steel (23 21 13 23-1182)</b>					
23 21	13 23-1227	EA	1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	37.97	20.34
23 21	13 23-1228	EA	1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	43.57	21.40
23 21	13 23-1229	EA	3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	52.66	24.78
23 21	13 23-1230	EA	1" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	65.13	29.22
23 21	13 23-1231	EA	1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	107.02	41.47
23 21	13 23-1232	EA	2" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	132.69	51.49
23 21	13 23-1233	EA	1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	39.72	20.34
23 21	13 23-1234	EA	1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	44.71	21.40
23 21	13 23-1235	EA	3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	56.47	24.78
23 21	13 23-1236	EA	1" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	68.39	29.22
23 21	13 23-1237	EA	1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	118.31	41.47
23 21	13 23-1238	EA	2" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	151.37	51.49
23 21	13 23-1239	EA	1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	53.30	21.40
23 21	13 23-1240	EA	3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	65.70	24.78
23 21	13 23-1241	EA	1" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	91.21	29.22
23 21	13 23-1242	EA	1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	144.24	41.47
23 21	13 23-1243	EA	2" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	234.02	51.49
<b>23 21 13 23-1244 Crosses, Screwed Carbon Steel (23 21 13 23-1182)</b>					
23 21	13 23-1245	EA	1/4" Cross, 2,000 LB, Screwed Carbon Steel.....	58.52	25.75
23 21	13 23-1246	EA	1/2" Cross, 2,000 LB, Screwed Carbon Steel.....	69.88	28.92
23 21	13 23-1247	EA	3/4" Cross, 2,000 LB, Screwed Carbon Steel.....	75.24	30.86
23 21	13 23-1248	EA	1" Cross, 2,000 LB, Screwed Carbon Steel.....	93.53	37.22
23 21	13 23-1249	EA	1-1/2" Cross, 2,000 LB, Screwed Carbon Steel.....	168.93	52.07
23 21	13 23-1250	EA	2" Cross, 2,000 LB, Screwed Carbon Steel.....	219.52	64.31
23 21	13 23-1251	EA	1/2" Cross, 3,000 LB, Screwed Carbon Steel.....	72.03	28.92
23 21	13 23-1252	EA	3/4" Cross, 3,000 LB, Screwed Carbon Steel.....	87.59	30.86
23 21	13 23-1253	EA	1" Cross, 3,000 LB, Screwed Carbon Steel.....	104.33	37.22
23 21	13 23-1254	EA	1-1/2" Cross, 3,000 LB, Screwed Carbon Steel.....	184.50	52.07
23 21	13 23-1255	EA	2" Cross, 3,000 LB, Screwed Carbon Steel.....	247.97	64.31
23 21	13 23-1256	EA	1/2" Cross, 6,000 LB, Screwed Carbon Steel.....	112.24	28.92
23 21	13 23-1257	EA	3/4" Cross, 6,000 LB, Screwed Carbon Steel.....	197.33	30.86
23 21	13 23-1258	EA	1" Cross, 6,000 LB, Screwed Carbon Steel.....	273.42	37.22
23 21	13 23-1259	EA	1-1/2" Cross, 6,000 LB, Screwed Carbon Steel.....	435.96	52.07
23 21	13 23-1260	EA	2" Cross, 6,000 LB, Screwed Carbon Steel.....	474.07	64.31
<b>23 21 13 23-1261 Straight Couplings, Screwed Carbon Steel (23 21 13 23-1182)</b>					
23 21	13 23-1262	EA	1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	25.74	14.66
23 21	13 23-1263	EA	1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	29.28	17.16
23 21	13 23-1264	EA	3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	33.69	19.19
23 21	13 23-1265	EA	1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	39.53	21.40
23 21	13 23-1266	EA	1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	59.62	27.38
23 21	13 23-1267	EA	2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	75.66	34.81
23 21	13 23-1268	EA	1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	30.89	14.66
23 21	13 23-1269	EA	1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	32.54	17.16
23 21	13 23-1270	EA	3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	36.20	19.19
23 21	13 23-1271	EA	1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	42.87	21.40

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1272 EA 1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel .....	64.72	27.38
23 21 13 23-1273 EA 2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel .....	94.28	34.81
<b>23 21 13 23-1274 Reducing Couplings, Screwed Carbon Steel (23 21 13 23-1182)</b>		
23 21 13 23-1275 EA 1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel .....	26.45	15.62
23 21 13 23-1276 EA 1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel .....	30.96	17.16
23 21 13 23-1277 EA 3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel .....	36.27	19.19
23 21 13 23-1278 EA 1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel .....	43.11	21.40
23 21 13 23-1279 EA 1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel .....	60.55	27.38
23 21 13 23-1280 EA 2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel .....	80.68	34.81
23 21 13 23-1281 EA 1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel .....	96.96	17.16
23 21 13 23-1282 EA 3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel .....	100.03	19.19
23 21 13 23-1283 EA 1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel .....	117.42	21.40
23 21 13 23-1284 EA 1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel .....	170.47	27.38
23 21 13 23-1285 EA 2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel .....	247.06	34.81
<b>23 21 13 23-1286 Caps, Screwed Carbon Steel (23 21 13 23-1182)</b>		
23 21 13 23-1287 EA 1/4" Cap, 3,000 LB, Screwed Carbon Steel .....	12.89	6.55
23 21 13 23-1288 EA 1/2" Cap, 3,000 LB, Screwed Carbon Steel .....	14.86	7.62
23 21 13 23-1289 EA 3/4" Cap, 3,000 LB, Screwed Carbon Steel .....	17.54	8.58
23 21 13 23-1290 EA 1" Cap, 3,000 LB, Screwed Carbon Steel .....	21.53	9.55
23 21 13 23-1291 EA 1-1/2" Cap, 3,000 LB, Screwed Carbon Steel .....	29.75	12.15
23 21 13 23-1292 EA 2" Cap, 3,000 LB, Screwed Carbon Steel .....	40.99	15.53
23 21 13 23-1293 EA 1/4" Cap, 6,000 LB, Screwed Carbon Steel .....	19.08	6.55
23 21 13 23-1294 EA 1/2" Cap, 6,000 LB, Screwed Carbon Steel .....	18.82	7.62
23 21 13 23-1295 EA 3/4" Cap, 6,000 LB, Screwed Carbon Steel .....	24.00	8.58
23 21 13 23-1296 EA 1" Cap, 6,000 LB, Screwed Carbon Steel .....	26.24	9.55
23 21 13 23-1297 EA 1-1/2" Cap, 6,000 LB, Screwed Carbon Steel .....	48.96	12.15
23 21 13 23-1298 EA 2" Cap, 6,000 LB, Screwed Carbon Steel .....	59.71	15.53
<b>23 21 13 23-1299 Nipples, Screwed Carbon Steel (23 21 13 23-1182)</b>		
23 21 13 23-1300 EA 1/4" Nipple, 2" Long, Screwed Carbon Steel .....	15.89	8.77
23 21 13 23-1301 EA 1/2" Nipple, 2" Long, Screwed Carbon Steel .....	16.12	9.16
23 21 13 23-1302 EA 3/4" Nipple, 2" Long, Screwed Carbon Steel .....	15.96	9.16
23 21 13 23-1303 EA 1" Nipple, 2" Long, Screwed Carbon Steel .....	17.96	9.93
23 21 13 23-1304 EA 1-1/2" Nipple, 2" Long, Screwed Carbon Steel .....	20.79	10.71
23 21 13 23-1305 EA 2" Nipple, 2" Long, Screwed Carbon Steel .....	24.30	13.79
23 21 13 23-1306 EA 1/4" Nipple, 4" Long, Screwed Carbon Steel .....	17.07	8.77
23 21 13 23-1307 EA 1/2" Nipple, 4" Long, Screwed Carbon Steel .....	17.05	9.16
23 21 13 23-1308 EA 3/4" Nipple, 4" Long, Screwed Carbon Steel .....	17.02	9.16
23 21 13 23-1309 EA 1" Nipple, 4" Long, Screwed Carbon Steel .....	19.39	9.93
23 21 13 23-1310 EA 1-1/2" Nipple, 4" Long, Screwed Carbon Steel .....	23.34	10.71
23 21 13 23-1311 EA 2" Nipple, 4" Long, Screwed Carbon Steel .....	28.03	13.79
23 21 13 23-1312 EA 1/4" Nipple, 6" Long, Screwed Carbon Steel .....	19.89	8.77
23 21 13 23-1313 EA 1/2" Nipple, 6" Long, Screwed Carbon Steel .....	18.54	9.16
23 21 13 23-1314 EA 3/4" Nipple, 6" Long, Screwed Carbon Steel .....	18.68	9.16
23 21 13 23-1315 EA 1" Nipple, 6" Long, Screwed Carbon Steel .....	21.44	9.93
23 21 13 23-1316 EA 1-1/2" Nipple, 6" Long, Screwed Carbon Steel .....	26.82	10.71
23 21 13 23-1317 EA 2" Nipple, 6" Long, Screwed Carbon Steel .....	31.11	13.79
<b>23 21 13 23-1318 Unions, Screwed Carbon Steel (23 21 13 23-1182)</b>		
23 21 13 23-1319 EA 1/4" Union, 3,000 LB, Screwed Carbon Steel .....	33.10	21.31
23 21 13 23-1320 EA 1/2" Union, 3,000 LB, Screwed Carbon Steel .....	34.16	21.40
23 21 13 23-1321 EA 3/4" Union, 3,000 LB, Screwed Carbon Steel .....	39.15	24.78
23 21 13 23-1322 EA 1" Union, 3,000 LB, Screwed Carbon Steel .....	46.85	29.22
23 21 13 23-1323 EA 1-1/2" Union, 3,000 LB, Screwed Carbon Steel .....	67.30	41.47
23 21 13 23-1324 EA 2" Union, 3,000 LB, Screwed Carbon Steel .....	83.58	51.49
23 21 13 23-1325 EA 1/4" Union, 6,000 LB, Screwed Carbon Steel .....	60.47	21.31
23 21 13 23-1326 EA 1/2" Union, 6,000 LB, Screwed Carbon Steel .....	67.25	21.40
23 21 13 23-1327 EA 3/4" Union, 6,000 LB, Screwed Carbon Steel .....	79.23	24.78
23 21 13 23-1328 EA 1" Union, 6,000 LB, Screwed Carbon Steel .....	96.24	29.22
23 21 13 23-1329 EA 1-1/2" Union, 6,000 LB, Screwed Carbon Steel .....	168.28	41.47
23 21 13 23-1330 EA 2" Union, 6,000 LB, Screwed Carbon Steel .....	207.86	51.49
<b>23 21 13 23-1331 Weld Neck Flanges, Screwed Carbon Steel (23 21 13 23-1182)</b>		
23 21 13 23-1332 EA 1/2" Flange, 150 LB, Screwed Carbon Steel .....	74.31	39.82
23 21 13 23-1333 EA 3/4" Flange, 150 LB, Screwed Carbon Steel .....	77.67	41.75
23 21 13 23-1334 EA 1" Flange, 150 LB, Screwed Carbon Steel .....	80.38	43.58
23 21 13 23-1335 EA 1-1/2" Flange, 150 LB, Screwed Carbon Steel .....	89.15	49.08
23 21 13 23-1336 EA 2" Flange, 150 LB, Screwed Carbon Steel .....	92.36	51.20
23 21 13 23-1337 EA 1/2" Flange, 300 LB, Screwed Carbon Steel .....	75.23	39.82
For Ring Type Joint, Add	15.48	
For Blind Flange, Deduct	-27.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1338 EA 3/4" Flange, 300 LB, Screwed Carbon Steel .....	78.65	41.75
<i>For Ring Type Joint, Add</i>	16.00	
<i>For Blind Flange, Deduct</i>	-28.26	
23 21 13 23-1339 EA 1" Flange, 300 LB, Screwed Carbon Steel .....	81.87	43.58
<i>For Ring Type Joint, Add</i>	16.51	
<i>For Blind Flange, Deduct</i>	-29.45	
23 21 13 23-1340 EA 1-1/2" Flange, 300 LB, Screwed Carbon Steel .....	92.71	49.08
<i>For Ring Type Joint, Add</i>	19.10	
<i>For Blind Flange, Deduct</i>	-33.26	
23 21 13 23-1341 EA 2" Flange, 300 LB, Screwed Carbon Steel .....	95.92	51.20
<i>For Ring Type Joint, Add</i>	19.10	
<i>For Blind Flange, Deduct</i>	-34.55	
23 21 13 23-1342 EA 1/2" Flange, 600 LB, Screwed Carbon Steel .....	81.32	39.82
<i>For Ring Type Joint, Add</i>	21.57	
<i>For Blind Flange, Deduct</i>	-28.21	
23 21 13 23-1343 EA 3/4" Flange, 600 LB, Screwed Carbon Steel .....	84.22	41.75
<i>For Ring Type Joint, Add</i>	21.57	
<i>For Blind Flange, Deduct</i>	-29.37	
23 21 13 23-1344 EA 1" Flange, 600 LB, Screwed Carbon Steel .....	87.91	43.58
<i>For Ring Type Joint, Add</i>	22.55	
<i>For Blind Flange, Deduct</i>	-30.65	
23 21 13 23-1345 EA 1-1/2" Flange, 600 LB, Screwed Carbon Steel .....	100.20	49.08
<i>For Ring Type Joint, Add</i>	26.59	
<i>For Blind Flange, Deduct</i>	-34.76	
23 21 13 23-1346 EA 2" Flange, 600 LB, Screwed Carbon Steel .....	101.57	51.20
<i>For Ring Type Joint, Add</i>	24.75	
<i>For Blind Flange, Deduct</i>	-35.68	
<b>23 21 13 23-1347 Square Head Plugs, Screwed Carbon Steel</b> <small>(23 21 13 23-1182)</small>		
23 21 13 23-1348 EA 1/4" Square Head Plug, Screwed Carbon Steel .....	5.40	2.70
23 21 13 23-1349 EA 1/2" Square Head Plug, Screwed Carbon Steel .....	6.47	3.19
23 21 13 23-1350 EA 3/4" Square Head Plug, Screwed Carbon Steel .....	7.54	3.66
23 21 13 23-1351 EA 1" Square Head Plug, Screwed Carbon Steel .....	10.98	5.40
23 21 13 23-1352 EA 1-1/2" Square Head Plug, Screwed Carbon Steel .....	14.58	5.40
23 21 13 23-1353 EA 2" Square Head Plug, Screwed Carbon Steel .....	21.36	7.04
<b>23 21 13 23-1354 Hex Head Plugs, Screwed Carbon Steel</b> <small>(23 21 13 23-1182)</small>		
23 21 13 23-1355 EA 1/4" Hex Head Plug, Screwed Carbon Steel.....	5.05	2.70
23 21 13 23-1356 EA 1/2" Hex Head Plug, Screwed Carbon Steel.....	6.14	3.19
23 21 13 23-1357 EA 3/4" Hex Head Plug, Screwed Carbon Steel.....	7.32	3.66
23 21 13 23-1358 EA 1" Hex Head Plug, Screwed Carbon Steel.....	10.79	5.40
23 21 13 23-1359 EA 1-1/2" Hex Head Plug, Screwed Carbon Steel .....	13.78	5.40
23 21 13 23-1360 EA 2" Hex Head Plug, Screwed Carbon Steel.....	21.92	7.04
<b>23 21 13 23-1361 Round Head Plugs, Screwed Carbon Steel</b> <small>(23 21 13 23-1182)</small>		
23 21 13 23-1362 EA 1/4" Round Head Plug, Screwed Carbon Steel .....	6.21	2.70
23 21 13 23-1363 EA 1/2" Round Head Plug, Screwed Carbon Steel .....	6.52	3.19
23 21 13 23-1364 EA 3/4" Round Head Plug, Screwed Carbon Steel .....	7.39	3.66
23 21 13 23-1365 EA 1" Round Head Plug, Screwed Carbon Steel .....	11.11	5.40
23 21 13 23-1366 EA 1-1/2" Round Head Plug, Screwed Carbon Steel .....	15.57	5.40
23 21 13 23-1367 EA 2" Round Head Plug, Screwed Carbon Steel .....	21.70	7.04
<b>23 21 13 23-1368 Hexagon Bushings, Screwed Carbon Steel</b> <small>(23 21 13 23-1182)</small>		
23 21 13 23-1369 EA 1/4" Hex Bushing, Screwed Carbon Steel .....	5.31	2.70
23 21 13 23-1370 EA 1/2" Hex Bushing, Screwed Carbon Steel .....	6.12	3.19
23 21 13 23-1371 EA 3/4" Hex Bushing, Screwed Carbon Steel .....	7.23	3.66
23 21 13 23-1372 EA 1" Hex Bushing, Screwed Carbon Steel .....	11.05	5.40
23 21 13 23-1373 EA 1-1/2" Hex Bushing, Screwed Carbon Steel .....	13.72	5.40
23 21 13 23-1374 EA 2" Hex Bushing, Screwed Carbon Steel .....	21.09	7.04
<b>23 21 13 23-1375 90 Degree Street Elbows, Screwed Carbon Steel</b> <small>(23 21 13 23-1182)</small>		
23 21 13 23-1376 EA 1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	34.97	14.66
23 21 13 23-1377 EA 1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	39.67	17.16
23 21 13 23-1378 EA 3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	46.73	19.19
23 21 13 23-1379 EA 1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	55.10	21.40
23 21 13 23-1380 EA 1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	90.17	27.38
23 21 13 23-1381 EA 2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	122.31	34.81
23 21 13 23-1382 EA 1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	58.37	17.16
23 21 13 23-1383 EA 3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	84.76	19.19
23 21 13 23-1384 EA 1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	118.74	21.40
23 21 13 23-1385 EA 1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	265.24	27.38
<b>23 21 13 23-1386 Screwed Carbon Steel Laterals</b> <small>(23 21 13 23-1182)</small>		
23 21 13 23-1387 EA 1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	160.98	21.40
23 21 13 23-1388 EA 3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	193.93	24.78

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1389	EA	1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	237.64	29.22
23 21	13 23-1390	EA	1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	304.21	41.47
23 21	13 23-1391	EA	2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	379.65	51.49
23 21	13 23-1392	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	204.68	21.40
23 21	13 23-1393	EA	3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel .....	258.91	24.78
23 21	13 23-1394	EA	1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel .....	307.13	29.22
23 21	13 23-1395	EA	1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel .....	431.95	41.47
<b>23 21</b>	<b>13 23-1396</b>		<b>Grooved-Joint Pipe</b> <small>(23 21 13 23)</small>		
			Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.		
<b>23 21</b>	<b>13 23-1397</b>		<b>Schedule 10 Black Grooved Pipe</b> <small>(23 21 13 23-1396)</small>		
23 21	13 23-1398	LF	2" Black Schedule 10 Grooved Pipe .....	22.81	12.25
23 21	13 23-1399	LF	2-1/2" Black Schedule 10 Grooved Pipe .....	31.00	16.78
23 21	13 23-1400	LF	3" Black Schedule 10 Grooved Pipe .....	34.64	18.61
23 21	13 23-1401	LF	3-1/2" Black Schedule 10 Grooved Pipe .....	37.57	19.29
23 21	13 23-1402	LF	4" Black Schedule 10 Grooved Pipe .....	40.18	20.92
23 21	13 23-1403	LF	5" Black Schedule 10 Grooved Pipe .....	53.92	25.65
23 21	13 23-1404	LF	6" Black Schedule 10 Grooved Pipe .....	71.96	36.45
23 21	13 23-1405	LF	8" Black Schedule 10 Grooved Pipe .....	91.94	40.88
23 21	13 23-1406	LF	10" Black Schedule 10 Grooved Pipe .....	113.85	49.27
23 21	13 23-1407	LF	12" Black Schedule 10 Grooved Pipe .....	130.62	55.83
<b>23 21</b>	<b>13 23-1408</b>		<b>Schedule 40 Black Grooved Pipe</b> <small>(23 21 13 23-1396)</small>		
23 21	13 23-1409	LF	3/4" Black Schedule 40 Grooved Pipe .....	13.74	7.42
23 21	13 23-1410	LF	1" Black Schedule 40 Grooved Pipe .....	15.49	8.39
23 21	13 23-1411	LF	1-1/4" Black Schedule 40 Grooved Pipe .....	17.32	9.06
23 21	13 23-1412	LF	1-1/2" Black Schedule 40 Grooved Pipe .....	19.69	10.31
23 21	13 23-1413	LF	2" Black Schedule 40 Grooved Pipe .....	24.94	13.12
23 21	13 23-1414	LF	2-1/2" Black Schedule 40 Grooved Pipe .....	34.50	17.94
23 21	13 23-1415	LF	3" Black Schedule 40 Grooved Pipe .....	40.20	20.45
23 21	13 23-1416	LF	4" Black Schedule 40 Grooved Pipe .....	47.61	22.75
23 21	13 23-1417	LF	5" Black Schedule 40 Grooved Pipe .....	62.92	27.67
23 21	13 23-1418	LF	6" Black Schedule 40 Grooved Pipe .....	86.53	39.92
23 21	13 23-1419	LF	8" Black Schedule 40 Grooved Pipe .....	109.36	45.23
23 21	13 23-1420	LF	10" Black Schedule 40 Grooved Pipe .....	144.73	54.00
23 21	13 23-1421	LF	12" Black Schedule 40 Grooved Pipe .....	169.33	62.00
23 21	13 23-1422	LF	14" Black Schedule 40 Grooved Pipe .....	224.85	83.79
23 21	13 23-1423	LF	16" Black Schedule 40 Grooved Pipe .....	261.84	98.54
23 21	13 23-1424	LF	18" Black Schedule 40 Grooved Pipe .....	323.12	119.66
23 21	13 23-1425	LF	20" Black Schedule 40 Grooved Pipe .....	373.76	139.52
23 21	13 23-1426	LF	24" Black Schedule 40 Grooved Pipe .....	477.86	167.49
<b>23 21</b>	<b>13 23-1427</b>		<b>Schedule 80 Black Grooved Pipe</b> <small>(23 21 13 23-1396)</small>		
23 21	13 23-1428	LF	3/4" Black Schedule 80 Grooved Pipe .....	15.03	8.10
23 21	13 23-1429	LF	1" Black Schedule 80 Grooved Pipe .....	16.42	8.58
23 21	13 23-1430	LF	1-1/4" Black Schedule 80 Grooved Pipe .....	18.89	9.55
23 21	13 23-1431	LF	1-1/2" Black Schedule 80 Grooved Pipe .....	21.39	10.71
23 21	13 23-1432	LF	2" Black Schedule 80 Grooved Pipe .....	27.64	13.79
23 21	13 23-1433	LF	2-1/2" Black Schedule 80 Grooved Pipe .....	38.55	18.99
23 21	13 23-1434	LF	3" Black Schedule 80 Grooved Pipe .....	45.06	21.31
23 21	13 23-1435	LF	4" Black Schedule 80 Grooved Pipe .....	54.07	23.24
23 21	13 23-1436	LF	5" Black Schedule 80 Grooved Pipe .....	78.06	29.22
23 21	13 23-1437	LF	6" Black Schedule 80 Grooved Pipe .....	104.35	41.85
23 21	13 23-1438	LF	8" Black Schedule 80 Grooved Pipe .....	145.49	47.83
23 21	13 23-1439	LF	10" Black Schedule 80 Grooved Pipe .....	179.78	57.76
23 21	13 23-1440	LF	12" Black Schedule 80 Grooved Pipe .....	195.81	69.81
<b>23 21</b>	<b>13 23-1441</b>		<b>Schedule 40 Galvanized Grooved Pipe</b> <small>(23 21 13 23-1396)</small>		
23 21	13 23-1442	LF	3/4" Galvanized Schedule 40 Grooved Pipe .....	16.49	7.42
23 21	13 23-1443	LF	1" Galvanized Schedule 40 Grooved Pipe .....	19.11	8.39
23 21	13 23-1444	LF	1-1/4" Galvanized Schedule 40 Grooved Pipe .....	21.30	9.06
23 21	13 23-1445	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe .....	24.24	10.31
23 21	13 23-1446	LF	2" Galvanized Schedule 40 Grooved Pipe .....	30.66	13.12
23 21	13 23-1447	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe .....	42.94	17.94
23 21	13 23-1448	LF	3" Galvanized Schedule 40 Grooved Pipe .....	50.97	20.45
23 21	13 23-1449	LF	4" Galvanized Schedule 40 Grooved Pipe .....	62.90	22.75
23 21	13 23-1450	LF	5" Galvanized Schedule 40 Grooved Pipe .....	88.35	27.67
23 21	13 23-1451	LF	6" Galvanized Schedule 40 Grooved Pipe .....	119.14	39.92
23 21	13 23-1452	LF	8" Galvanized Schedule 40 Grooved Pipe .....	158.20	45.23
23 21	13 23-1453	LF	10" Galvanized Schedule 40 Grooved Pipe .....	222.96	54.00
23 21	13 23-1454	LF	12" Galvanized Schedule 40 Grooved Pipe .....	263.35	62.00
<b>23 21</b>	<b>13 23-1455</b>		<b>Schedule 80 Galvanized Grooved Pipe</b> <small>(23 21 13 23-1396)</small>		
23 21	13 23-1456	LF	3/4" Galvanized Schedule 80 Grooved Pipe .....	17.71	8.10
23 21	13 23-1457	LF	1" Galvanized Schedule 80 Grooved Pipe .....	23.07	8.58





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1458 LF 1-1/4" Galvanized Schedule 80 Grooved Pipe.....	23.34	9.55
23 21 13 23-1459 LF 1-1/2" Galvanized Schedule 80 Grooved Pipe.....	30.51	11.38
23 21 13 23-1460 LF 2" Galvanized Schedule 80 Grooved Pipe.....	34.51	13.79
23 21 13 23-1461 LF 2-1/2" Galvanized Schedule 80 Grooved Pipe.....	48.85	18.99
23 21 13 23-1462 LF 3" Galvanized Schedule 80 Grooved Pipe.....	58.75	21.31
23 21 13 23-1463 LF 4" Galvanized Schedule 80 Grooved Pipe.....	73.92	23.24
23 21 13 23-1464 LF 5" Galvanized Schedule 80 Grooved Pipe.....	111.27	29.22
23 21 13 23-1465 LF 6" Galvanized Schedule 80 Grooved Pipe.....	144.27	41.85
23 21 13 23-1466 LF 8" Galvanized Schedule 80 Grooved Pipe.....	215.60	47.83
23 21 13 23-1467 LF 10" Galvanized Schedule 80 Grooved Pipe.....	256.60	57.76
23 21 13 23-1468 LF 12" Galvanized Schedule 80 Grooved Pipe.....	281.69	69.81
<b>23 21 13 23-1469</b> <b>Painted Grooved-Joint Pipe Fittings</b> <small>(23 21 13 23)</small>		
Note: Couplings are not included with fittings.		
<b>23 21 13 23-1470</b> <b>Grooved Elbows</b> <small>(23 21 13 23-1469)</small>		
<b>23 21 13 23-1471</b> <b>90 Degree Grooved Elbows</b> <small>(23 21 13 23-1470)</small>		
Note: Victaulic No. 10		
23 21 13 23-1472 EA 3/4", Ductile Iron, Grooved 90 Degree Elbow .....	83.37	10.51
For Galvanized Fittings, Add	22.31	
23 21 13 23-1473 EA 1", Ductile Iron, Grooved 90 Degree Elbow .....	83.37	10.51
For Galvanized Fittings, Add	22.31	
23 21 13 23-1474 EA 1-1/4", Ductile Iron, Grooved 90 Degree Elbow .....	87.30	13.12
For Galvanized Fittings, Add	22.31	
23 21 13 23-1475 EA 1-1/2", Ductile Iron, Grooved 90 Degree Elbow .....	91.48	15.91
For Galvanized Fittings, Add	22.31	
23 21 13 23-1476 EA 2", Ductile Iron, Grooved 90 Degree Elbow .....	99.13	21.02
For Galvanized Fittings, Add	22.31	
23 21 13 23-1477 EA 2-1/2", Ductile Iron, Grooved 90 Degree Elbow .....	105.99	25.65
For Galvanized Fittings, Add	22.31	
23 21 13 23-1478 EA 3", Ductile Iron, Grooved 90 Degree Elbow .....	166.65	31.05
For Galvanized Fittings, Add	39.64	
23 21 13 23-1479 EA 4", Ductile Iron, Grooved 90 Degree Elbow .....	192.25	40.98
For Galvanized Fittings, Add	43.17	
23 21 13 23-1480 EA 5", Ductile Iron, Grooved 90 Degree Elbow .....	395.23	51.20
For Galvanized Fittings, Add	105.09	
23 21 13 23-1481 EA 6", Ductile Iron, Grooved 90 Degree Elbow .....	470.55	67.01
For Galvanized Fittings, Add	122.14	
23 21 13 23-1482 EA 8", Ductile Iron, Grooved 90 Degree Elbow .....	898.52	79.75
For Galvanized Fittings, Add	257.05	
23 21 13 23-1483 EA 10", Ductile Iron, Grooved 90 Degree Elbow .....	1,353.10	93.04
For Galvanized Fittings, Add	400.49	
23 21 13 23-1484 EA 12", Ductile Iron, Grooved 90 Degree Elbow .....	2,112.61	111.65
For Galvanized Fittings, Add	641.92	
23 21 13 23-1485 EA 14", Steel, Grooved 90 Degree Elbow .....	4,234.34	126.02
For Galvanized Fittings, Add	1,334.97	
23 21 13 23-1486 EA 16", Steel, Grooved 90 Degree Elbow .....	5,502.61	139.52
For Galvanized Fittings, Add	1,746.82	
23 21 13 23-1487 EA 18", Steel, Grooved 90 Degree Elbow .....	6,942.07	152.44
For Galvanized Fittings, Add	2,215.47	
23 21 13 23-1488 EA 20", Steel, Grooved 90 Degree Elbow .....	9,060.02	158.51
For Galvanized Fittings, Add	2,911.36	
23 21 13 23-1489 EA 24", Steel, Grooved 90 Degree Elbow .....	12,976.45	187.45
For Galvanized Fittings, Add	4,189.52	
<b>23 21 13 23-1490</b> <b>45 Degree Grooved Elbows</b> <small>(23 21 13 23-1470)</small>		
Note: Victaulic No. 11		
23 21 13 23-1491 EA 3/4", Ductile Iron, Grooved 45 Degree Elbow .....	83.33	10.51
For Galvanized Fittings, Add	16.22	
23 21 13 23-1492 EA 1", Ductile Iron, Grooved 45 Degree Elbow .....	83.33	10.51
For Galvanized Fittings, Add	16.22	
23 21 13 23-1493 EA 1-1/4", Ductile Iron, Grooved 45 Degree Elbow .....	87.26	13.12
For Galvanized Fittings, Add	16.22	
23 21 13 23-1494 EA 1-1/2", Ductile Iron, Grooved 45 Degree Elbow .....	91.44	15.91
For Galvanized Fittings, Add	16.22	
23 21 13 23-1495 EA 2", Ductile Iron, Grooved 45 Degree Elbow .....	99.09	21.02
For Galvanized Fittings, Add	16.22	
23 21 13 23-1496 EA 2-1/2", Ductile Iron, Grooved 45 Degree Elbow .....	105.95	25.65
For Galvanized Fittings, Add	16.22	
23 21 13 23-1497 EA 3", Ductile Iron, Grooved 45 Degree Elbow .....	166.60	31.05
For Galvanized Fittings, Add	28.82	
23 21 13 23-1498 EA 4", Ductile Iron, Grooved 45 Degree Elbow .....	192.25	40.98
For Galvanized Fittings, Add	31.40	
23 21 13 23-1499 EA 5", Ductile Iron, Grooved 45 Degree Elbow .....	395.23	51.20
For Galvanized Fittings, Add	76.43	
23 21 13 23-1500 EA 6", Ductile Iron, Grooved 45 Degree Elbow .....	470.55	67.01
For Galvanized Fittings, Add	88.83	
23 21 13 23-1501 EA 8", Ductile Iron, Grooved 45 Degree Elbow .....	898.52	79.75
For Galvanized Fittings, Add	186.95	
23 21 13 23-1502 EA 10", Ductile Iron, Grooved 45 Degree Elbow .....	1,353.10	93.04
For Galvanized Fittings, Add	291.26	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1503	EA	12", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,112.61 466.85	111.65
23 21	13 23-1504	EA	14", Steel, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	4,234.34 970.88	126.02
23 21	13 23-1505	EA	16", Steel, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	5,502.61 1,270.41	139.52
23 21	13 23-1506	EA	18", Steel, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	6,942.07 1,611.25	152.44
23 21	13 23-1507	EA	20", Steel, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	9,060.45 2,117.35	158.81
23 21	13 23-1508	EA	24", Steel, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	12,976.45 3,046.92	187.45
<b>23 21 13 23-1509 22-1/2 Degree Grooved Elbows (23 21 13 23-1470)</b>					
Note: Victaulic No. 12					
23 21	13 23-1510	EA	1", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	87.78 17.28	10.51
23 21	13 23-1511	EA	1-1/4", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	91.71 17.28	13.12
23 21	13 23-1512	EA	1-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	95.89 17.28	15.91
23 21	13 23-1513	EA	2", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	103.54 17.28	21.02
23 21	13 23-1514	EA	2-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	110.40 17.28	25.65
23 21	13 23-1515	EA	3", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	151.86 25.28	31.05
23 21	13 23-1516	EA	4", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	202.66 33.90	40.98
23 21	13 23-1517	EA	5", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	514.76 105.12	51.20
23 21	13 23-1518	EA	6", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	500.56 96.03	67.01
23 21	13 23-1519	EA	8", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	956.75 200.92	79.75
23 21	13 23-1520	EA	10", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,288.84 275.84	93.04
23 21	13 23-1521	EA	12", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,721.21 372.91	111.65
23 21	13 23-1522	EA	14", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,983.68 430.73	126.02
23 21	13 23-1523	EA	16", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,361.72 516.60	139.52
23 21	13 23-1524	EA	18", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,835.33 625.64	152.44
23 21	13 23-1525	EA	20", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	3,319.68 739.67	158.51
23 21	13 23-1526	EA	24", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	4,422.43 993.96	187.45
<b>23 21 13 23-1527 11-1/4 Degree Grooved Elbows (23 21 13 23-1470)</b>					
Note: Victaulic No. 13					
23 21	13 23-1528	EA	1", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	87.78 17.28	10.51
23 21	13 23-1529	EA	1-1/4", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	91.71 17.28	13.12
23 21	13 23-1530	EA	1-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	95.89 17.28	15.91
23 21	13 23-1531	EA	2", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	103.54 17.28	21.02
23 21	13 23-1532	EA	2-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	110.40 17.28	25.65
23 21	13 23-1533	EA	3", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	151.85 25.28	31.05
23 21	13 23-1534	EA	4", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	202.65 33.90	40.98
23 21	13 23-1535	EA	5", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	514.74 105.11	51.20
23 21	13 23-1536	EA	6", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	500.54 96.02	67.01
23 21	13 23-1537	EA	8", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	956.70 200.91	79.75
23 21	13 23-1538	EA	10", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,288.78 275.83	93.04
23 21	13 23-1539	EA	12", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,721.12 372.89	111.65
23 21	13 23-1540	EA	14", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,983.58 430.70	126.02
23 21	13 23-1541	EA	16", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,361.62 516.57	139.62
23 21	13 23-1542	EA	18", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,835.17 625.60	152.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1543 EA 20", Steel, Grooved 11-1/4 Degree Elbow ..... <i>For Galvanized Fittings, Add</i>	3,319.50 739.63	158.51
23 21 13 23-1544 EA 24", Steel, Grooved 11-1/4 Degree Elbow ..... <i>For Galvanized Fittings, Add</i>	4,422.20 993.90	187.45
<b>23 21 13 23-1545 90 Degree Grooved Long Radius Elbows</b> (23 21 13 23-1470) Note: Victaulic No. 100		
23 21 13 23-1546 EA 2", Ductile Iron, Grooved 90 Degree Long Radius Elbow ..... <i>For Galvanized Fittings, Add</i>	186.10 37.10	21.02
23 21 13 23-1547 EA 2-1/2", Ductile Iron, Grooved 90 Degree Long Radius Elbow ..... <i>For Galvanized Fittings, Add</i>	486.91 107.65	25.65
23 21 13 23-1548 EA 3", Ductile Iron, Grooved 90 Degree Long Radius Elbow ..... <i>For Galvanized Fittings, Add</i>	201.11 37.10	31.05
23 21 13 23-1549 EA 4", Ductile Iron, Grooved 90 Degree Long Radius Elbow ..... <i>For Galvanized Fittings, Add</i>	292.98 55.57	40.98
23 21 13 23-1550 EA 5", Ductile Iron, Grooved 90 Degree Long Radius Elbow ..... <i>For Galvanized Fittings, Add</i>	1,263.65 284.85	51.20
23 21 13 23-1551 EA 6", Ductile Iron, Grooved 90 Degree Long Radius Elbow ..... <i>For Galvanized Fittings, Add</i>	777.84 162.58	67.01
23 21 13 23-1552 EA 8", Ductile Iron, Grooved, 90 Degree Long Radius Elbow ..... <i>For Galvanized Fittings, Add</i>	1,744.42 389.96	79.75
23 21 13 23-1553 EA 10", Ductile Iron, Grooved 90 Degree Long Radius Elbow ..... <i>For Galvanized Fittings, Add</i>	3,508.50 808.56	93.04
23 21 13 23-1554 EA 12", Ductile Iron, Grooved 90 Degree Long Radius Elbow ..... <i>For Galvanized Fittings, Add</i>	4,184.94 964.21	111.65
<b>23 21 13 23-1555 Grooved Tees, Wyes And Crosses</b> (23 21 13 23-1469)		
<b>23 21 13 23-1556 Grooved Tees</b> (23 21 13 23-1555) Note: Victaulic No. 20		
23 21 13 23-1557 EA 3/4", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	124.05 31.00	13.79
23 21 13 23-1558 EA 1", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	127.19 31.00	15.91
23 21 13 23-1559 EA 1-1/4", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	132.50 31.00	19.48
23 21 13 23-1560 EA 1-1/2", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	139.13 31.00	23.91
23 21 13 23-1561 EA 2", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	149.66 31.00	30.95
23 21 13 23-1562 EA 2-1/2", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	160.19 31.00	37.90
23 21 13 23-1563 EA 3", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	214.51 43.42	46.57
23 21 13 23-1564 EA 4", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	312.32 66.60	60.27
23 21 13 23-1565 EA 5", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	638.98 156.26	78.78
23 21 13 23-1566 EA 6", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	749.70 180.60	98.54
23 21 13 23-1567 EA 8", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	1,494.33 394.49	119.66
23 21 13 23-1568 EA 10", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	2,557.42 704.45	139.52
23 21 13 23-1569 EA 12", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	3,538.54 986.24	167.49
23 21 13 23-1570 EA 14", Steel, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	3,865.31 1,075.89	186.10
23 21 13 23-1571 EA 16", Steel, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	4,848.87 1,370.48	187.15
23 21 13 23-1572 EA 18", Steel, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	6,030.50 1,716.31	206.44
23 21 13 23-1573 EA 20", Steel, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	8,511.64 2,459.18	209.72
23 21 13 23-1574 EA 24", Steel, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	12,981.09 3,778.43	257.64
<b>23 21 13 23-1575 Grooved Wyes (90 Degree True Wye)</b> (23 21 13 23-1555) Note: Victaulic No. 33		
23 21 13 23-1576 EA 1", Steel, Grooved Wye ..... <i>For Galvanized Fittings, Add</i>	459.81 69.75	15.91
23 21 13 23-1577 EA 1-1/4", Steel, Grooved Wye ..... <i>For Galvanized Fittings, Add</i>	465.12 69.75	19.48
23 21 13 23-1578 EA 1-1/2", Steel, Grooved Wye ..... <i>For Galvanized Fittings, Add</i>	471.75 69.75	23.91
23 21 13 23-1579 EA 2", Steel, Grooved Wye ..... <i>For Galvanized Fittings, Add</i>	482.28 69.75	30.95
23 21 13 23-1580 EA 2-1/2", Steel, Grooved Wye ..... <i>For Galvanized Fittings, Add</i>	492.81 69.75	37.90
23 21 13 23-1581 EA 3", Steel, Grooved Wye ..... <i>For Galvanized Fittings, Add</i>	590.88 83.38	46.57

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1582	EA	4", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	772.85 109.21	60.27
23 21	13 23-1583	EA	5", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	1,096.43 156.53	78.78
23 21	13 23-1584	EA	6", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	1,358.18 193.68	98.54
23 21	13 23-1585	EA	8", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	1,922.75 278.94	119.66
23 21	13 23-1586	EA	10", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	3,218.33 481.45	139.52
23 21	13 23-1587	EA	12", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	3,575.43 531.89	167.49
23 21	13 23-1588	EA	14", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	4,075.03 607.36	186.10
23 21	13 23-1589	EA	16", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	5,210.85 788.89	186.96
23 21	13 23-1590	EA	18", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	5,949.80 902.39	206.63
23 21	13 23-1591	EA	20", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	8,493.73 1,308.78	209.33
23 21	13 23-1592	EA	24", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	13,103.71 2,034.78	257.64
<b>23 21</b>	<b>13 23-1593</b>		<b>Grooved Crosses</b> (23 21 13 23-1555) Note: Victaulic No. 35		
23 21	13 23-1594	EA	3/4", Steel, Grooved Cross ..... <i>For Galvanized Fittings, Add</i>	313.33 42.34	20.73
23 21	13 23-1595	EA	1", Steel, Grooved Cross ..... <i>For Galvanized Fittings, Add</i>	318.05 42.34	23.91
23 21	13 23-1596	EA	1-1/4", Steel, Grooved Cross ..... <i>For Galvanized Fittings, Add</i>	384.40 51.10	29.22
23 21	13 23-1597	EA	1-1/2", Steel, Grooved Cross ..... <i>For Galvanized Fittings, Add</i>	420.77 55.06	35.87
23 21	13 23-1598	EA	2", Steel, Grooved Cross ..... <i>For Galvanized Fittings, Add</i>	276.95 31.12	46.38
23 21	13 23-1599	EA	2-1/2", Steel, Grooved Cross ..... <i>For Galvanized Fittings, Add</i>	292.74 31.12	56.89
23 21	13 23-1600	EA	3", Steel, Grooved Cross ..... <i>For Galvanized Fittings, Add</i>	477.44 55.91	69.81
23 21	13 23-1601	EA	4", Steel, Grooved Cross ..... <i>For Galvanized Fittings, Add</i>	755.97 93.07	90.35
23 21	13 23-1602	EA	5", Steel, Grooved Cross ..... <i>For Galvanized Fittings, Add</i>	1,444.77 190.14	118.12
23 21	13 23-1603	EA	6", Steel, Grooved Cross ..... <i>For Galvanized Fittings, Add</i>	1,852.47 244.64	147.82
23 21	13 23-1604	EA	8", Steel, Grooved Cross ..... <i>For Galvanized Fittings, Add</i>	2,416.96 322.19	179.44
23 21	13 23-1605	EA	10", Steel, Grooved Cross ..... <i>For Galvanized Fittings, Add</i>	3,977.26 549.51	209.33
23 21	13 23-1606	EA	12", Steel, Grooved Cross ..... <i>For Galvanized Fittings, Add</i>	5,663.21 792.98	251.27
23 21	13 23-1607	EA	14", Steel, Grooved Cross ..... <i>For Galvanized Fittings, Add</i>	5,895.65 821.57	279.14
23 21	13 23-1608	EA	16", Steel, Grooved Cross ..... <i>For Galvanized Fittings, Add</i>	7,585.90 1,074.75	280.78
23 21	13 23-1609	EA	18", Steel, Grooved Cross ..... <i>For Galvanized Fittings, Add</i>	9,246.78 1,317.39	309.61
23 21	13 23-1610	EA	20", Steel, Grooved Cross ..... <i>For Galvanized Fittings, Add</i>	12,913.91 1,866.37	314.43
23 21	13 23-1611	EA	24", Steel, Grooved Cross ..... <i>For Galvanized Fittings, Add</i>	19,787.84 2,881.26	386.46
<b>23 21</b>	<b>13 23-1612</b>		<b>Grooved Reducing Tees</b> (23 21 13 23-1555) Note: Victaulic No. 25		
23 21	13 23-1613	EA	1", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	223.22 39.87	15.91
23 21	13 23-1614	EA	1-1/4", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	234.80 41.12	19.48
23 21	13 23-1615	EA	1-1/2", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	246.55 42.15	23.91
23 21	13 23-1616	EA	2", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	293.06 49.34	30.95
23 21	13 23-1617	EA	2-1/2", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	328.97 54.42	37.90
23 21	13 23-1618	EA	3", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	367.61 59.57	46.57
23 21	13 23-1619	EA	4", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	491.98 80.33	60.27
23 21	13 23-1620	EA	5", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	648.48 106.07	78.78
23 21	13 23-1621	EA	6", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	893.81 149.22	98.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1622 EA 8", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	1,410.42 246.21	119.66
23 21 13 23-1623 EA 10", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	2,024.10 362.97	139.52
23 21 13 23-1624 EA 12", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	2,928.30 535.44	167.49
23 21 13 23-1625 EA 14", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	3,319.74 608.15	186.10
23 21 13 23-1626 EA 16", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	4,230.46 789.97	187.15
23 21 13 23-1627 EA 18", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	5,145.03 967.12	206.44
23 21 13 23-1628 EA 20", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	7,230.05 1,383.15	209.62
23 21 13 23-1629 EA 24", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	11,526.19 2,227.98	257.64
<b>23 21 13 23-1630 Grooved 45 Degree Lateral Wyes</b> <small>(23 21 13 23-1655)</small>		
<small>Note: Victaulic No. 30</small>		
23 21 13 23-1631 EA 3/4", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	433.57 74.31	13.79
23 21 13 23-1632 EA 1", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	436.71 74.31	15.91
23 21 13 23-1633 EA 1-1/4", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	442.02 74.31	19.48
23 21 13 23-1634 EA 1-1/2", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	448.65 74.31	23.91
23 21 13 23-1635 EA 2", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	459.18 74.31	30.95
23 21 13 23-1636 EA 2-1/2", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	469.71 74.31	37.90
23 21 13 23-1637 EA 3", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	426.43 64.20	46.57
23 21 13 23-1638 EA 3-1/2", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	684.71 108.77	53.70
23 21 13 23-1639 EA 4", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	793.68 126.61	60.27
23 21 13 23-1640 EA 5", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	1,146.06 185.03	78.78
23 21 13 23-1641 EA 6", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	1,803.91 298.12	98.54
23 21 13 23-1642 EA 8", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	2,564.90 429.40	119.66
23 21 13 23-1643 EA 10", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	3,576.38 606.09	139.52
23 21 13 23-1644 EA 12", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	4,322.12 732.79	167.49
23 21 13 23-1645 EA 14", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	6,220.93 1,069.55	186.10
23 21 13 23-1646 EA 16", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	7,703.69 1,336.15	187.15
23 21 13 23-1647 EA 18", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	8,607.52 1,493.66	206.44
23 21 13 23-1648 EA 20", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	12,901.10 2,265.63	209.62
23 21 13 23-1649 EA 24", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	19,945.28 3,520.61	257.64
<b>23 21 13 23-1650 Grooved 45 Degree Lateral Reducing Wyes</b> <small>(23 21 13 23-1655)</small>		
<small>Note: Victaulic No. 30R</small>		
23 21 13 23-1651 EA 3", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	426.43 46.36	46.57
23 21 13 23-1652 EA 4", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	793.68 91.44	60.27
23 21 13 23-1653 EA 5", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	1,146.06 133.63	78.78
23 21 13 23-1654 EA 6", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	1,475.82 172.65	98.54
23 21 13 23-1655 EA 8", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	2,096.60 249.24	119.66
23 21 13 23-1656 EA 10", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	2,557.33 305.25	139.52
23 21 13 23-1657 EA 12", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	3,104.60 370.96	167.49
23 21 13 23-1658 EA 14", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	3,475.65 415.56	186.10
23 21 13 23-1659 EA 16", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	4,412.57 537.15	187.15
23 21 13 23-1660 EA 18", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	6,654.06 824.80	206.44
23 21 13 23-1661 EA 20", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	9,601.15 1,207.29	209.62

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1662 EA 24", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	15,422.10 1,954.65	257.64
<b>23 21 13 23-1663 Mechanical-T Outlet</b> <small>(23 21 13 23-1555)</small> Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.		
23 21 13 23-1664 EA 2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet ..... <i>For Galvanized Fittings, Add</i>	138.08 17.03	34.71
23 21 13 23-1665 EA 2" x 1" Mechanical-T Outlet With Threaded Branch Outlet ..... <i>For Galvanized Fittings, Add</i>	138.08 17.03	34.71
23 21 13 23-1666 EA 2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet ..... <i>For Galvanized Fittings, Add</i>	148.79 19.68	34.71
23 21 13 23-1667 EA 2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet ..... 148.79 34.71		
23 21 13 23-1668 EA 2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet ..... 146.76 39.05		
23 21 13 23-1669 EA 2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet ..... 146.76 39.05		
23 21 13 23-1670 EA 2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet ..... 175.05 39.05		
23 21 13 23-1671 EA 3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet ..... 165.84 43.39		
23 21 13 23-1672 EA 3" x 1" Mechanical-T Outlet With Threaded Branch Outlet ..... 165.84 43.39		
23 21 13 23-1673 EA 3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet ..... 188.62 43.39		
23 21 13 23-1674 EA 3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet ..... 188.62 43.39		
23 21 13 23-1675 EA 3" x 2" Mechanical-T Outlet With Threaded Branch Outlet ..... 204.22 43.39		
23 21 13 23-1676 EA 4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet ..... 216.51 57.85		
23 21 13 23-1677 EA 4" x 1" Mechanical-T Outlet With Threaded Branch Outlet ..... 216.51 57.85		
23 21 13 23-1678 EA 4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet ..... 234.30 57.85		
23 21 13 23-1679 EA 4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 239.29 57.85		
23 21 13 23-1680 EA 4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 239.29 57.85		
23 21 13 23-1681 EA 4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 244.28 57.85		
23 21 13 23-1682 EA 4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 253.85 57.85		
23 21 13 23-1683 EA 5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 310.87 79.54		
23 21 13 23-1684 EA 5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 310.87 79.54		
23 21 13 23-1685 EA 5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 319.50 79.54		
23 21 13 23-1686 EA 5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 330.32 79.54		
23 21 13 23-1687 EA 6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 357.80 101.24		
23 21 13 23-1688 EA 6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 357.80 101.24		
23 21 13 23-1689 EA 6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 370.49 101.24		
23 21 13 23-1690 EA 6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 381.20 101.24		
23 21 13 23-1691 EA 6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 400.24 101.24		
23 21 13 23-1692 EA 8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 542.88 134.02		
23 21 13 23-1693 EA 8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 542.88 134.02		
23 21 13 23-1694 EA 8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 558.17 134.02		
23 21 13 23-1695 EA 8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 567.22 134.02		
<b>23 21 13 23-1696 Installation-Ready™ Grooved Fittings</b> <small>(23 21 13 23-1469)</small>		
<b>23 21 13 23-1697 Installation-Ready™ 90 Degree Grooved Elbows</b> <small>(23 21 13 23-1696)</small> Note: Victaulic No. 101		
23 21 13 23-1698 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow ..... 252.62 9.55 <i>For Galvanized Fittings, Add</i> 60.97 <i>For Galvanized Fittings, Add</i> 78.59		
23 21 13 23-1699 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow ..... 262.52 11.45 <i>For Galvanized Fittings, Add</i> 62.76 <i>For Galvanized Fittings, Add</i> 80.90		
23 21 13 23-1700 EA 2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow ..... 270.05 15.27 <i>For Galvanized Fittings, Add</i> 63.21 <i>For Galvanized Fittings, Add</i> 81.48		
23 21 13 23-1701 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow ..... 326.61 19.09 <i>For Galvanized Fittings, Add</i> 76.21 <i>For Galvanized Fittings, Add</i> 98.24		
<b>23 21 13 23-1702 Installation-Ready™ 45 Degree Grooved Elbows</b> <small>(23 21 13 23-1696)</small> Note: Victaulic No. 103		
23 21 13 23-1703 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow ..... 252.62 9.55 <i>For Galvanized Fittings, Add</i> 60.97 <i>For Galvanized Fittings, Add</i> 57.16		
23 21 13 23-1704 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow ..... 262.52 11.45 <i>For Galvanized Fittings, Add</i> 62.76 <i>For Galvanized Fittings, Add</i> 58.84		
23 21 13 23-1705 EA 2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow ..... 270.05 15.27 <i>For Galvanized Fittings, Add</i> 63.21 <i>For Galvanized Fittings, Add</i> 59.26		
23 21 13 23-1706 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow ..... 326.61 19.09 <i>For Galvanized Fittings, Add</i> 76.21 <i>For Galvanized Fittings, Add</i> 71.45		
<b>23 21 13 23-1707 Installation-Ready™ Grooved Tees</b> <small>(23 21 13 23-1696)</small> Note: Victaulic No. 102		
23 21 13 23-1708 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee ..... 387.03 12.72 <i>For Galvanized Fittings, Add</i> 110.32 <i>For Galvanized Fittings, Add</i> 94.14		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1709 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee ..... <i>For Galvanized Fittings, Add</i>	403.14 114.00 97.28	15.27
23 21 13 23-1710 EA 2" Ductile Iron, Grooved, Installation-Ready™ Tee ..... <i>For Galvanized Fittings, Add</i>	416.11 115.58 98.62	20.36
23 21 13 23-1711 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee ..... <i>For Galvanized Fittings, Add</i>	483.36 133.44 113.87	25.46
<b>23 21 13 23-1712 Grooved Fittings</b> <small>(23 21 13 23-1469)</small>		
<b>23 21 13 23-1713 Flanged Adapter Nipple, Grooved</b> <small>(23 21 13 23-1712)</small> Note: Victaulic No. 41 and 45		
23 21 13 23-1714 EA 1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	307.90 52.30 43.58	11.57
23 21 13 23-1715 EA 1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	309.83 52.30 43.58	12.82
23 21 13 23-1716 EA 1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	314.65 52.30 43.58	16.10
23 21 13 23-1717 EA 2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	324.79 52.30 43.58	22.85
23 21 13 23-1718 EA 2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	332.04 52.30 43.58	27.67
23 21 13 23-1719 EA 3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	421.29 66.92 55.76	33.07
23 21 13 23-1720 EA 4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	510.12 79.80 66.50	44.55
23 21 13 23-1721 EA 5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	714.33 114.04 95.03	53.90
23 21 13 23-1722 EA 6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	831.99 130.11 108.42	72.80
23 21 13 23-1723 EA 8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	1,145.45 179.59 149.66	98.54
23 21 13 23-1724 EA 10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	1,807.51 293.07 244.22	119.66
23 21 13 23-1725 EA 12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	2,435.45 400.72 333.93	139.52
23 21 13 23-1726 EA 14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	2,876.39 472.55 393.80	167.49
23 21 13 23-1727 EA 16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	4,322.01 727.74 606.45	186.10
23 21 13 23-1728 EA 18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	5,167.35 854.79 712.33	279.14
23 21 13 23-1729 EA 20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	5,452.03 890.97 742.48	334.97
23 21 13 23-1730 EA 24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	9,097.09 1,537.04 1,280.86	372.18
<b>23 21 13 23-1731 Grooved Concentric Reducers</b> <small>(23 21 13 23-1712)</small> Note: Victaulic No. 50		
23 21 13 23-1732 EA 1-1/4" x 3/4", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	327.24 13.63	11.57
23 21 13 23-1733 EA 1-1/4" x 1", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	342.17 14.25	12.25
23 21 13 23-1734 EA 1-1/2" x 3/4", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	385.53 43.96	13.21
23 21 13 23-1735 EA 1-1/2" x 1", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	99.05 9.41	13.79
23 21 13 23-1736 EA 1-1/2" x 1-1/4", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	324.86 36.44	14.47
23 21 13 23-1737 EA 2" x 3/4", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	101.94 9.41	15.72
23 21 13 23-1738 EA 2" x 1", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	102.91 9.41	16.39

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1739	EA	2" x 1-1/4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	111.74 10.36	17.07
23 21	13 23-1740	EA	2" x 1-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	106.82 9.41	18.99
23 21	13 23-1741	EA	2-1/2" x 3/4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	664.06 76.62	17.74
23 21	13 23-1742	EA	2-1/2" x 1", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	527.61 60.11	18.42
23 21	13 23-1743	EA	2-1/2" x 1-1/4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	481.17 54.41	18.99
23 21	13 23-1744	EA	2-1/2" x 1-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	109.65 9.41	20.92
23 21	13 23-1745	EA	2-1/2" x 2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	113.51 9.41	23.43
23 21	13 23-1746	EA	3" x 3/4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	672.50 97.52	20.64
23 21	13 23-1747	EA	3" x 1", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	118.28 13.15	21.21
23 21	13 23-1748	EA	3" x 1-1/4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	529.71 75.54	21.89
23 21	13 23-1749	EA	3" x 1-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	496.97 70.19	23.43
23 21	13 23-1750	EA	3" x 2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	107.75 10.44	26.03
23 21	13 23-1751	EA	3" x 2-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	141.20 14.39	31.05
23 21	13 23-1752	EA	3-1/2" x 3", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	151.02 15.33	33.46
23 21	13 23-1753	EA	4" x 1", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	143.52 17.83	26.32
23 21	13 23-1754	EA	4" x 1-1/4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	862.55 140.98	27.00
23 21	13 23-1755	EA	4" x 1-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	671.38 107.78	28.64
23 21	13 23-1756	EA	4" x 2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	138.24 15.69	31.24
23 21	13 23-1757	EA	4" x 2-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	164.79 19.66	33.46
23 21	13 23-1758	EA	4" x 3", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	168.64 19.66	36.06
23 21	13 23-1759	EA	4" x 3-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	172.50 19.66	38.57
23 21	13 23-1760	EA	5" x 2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,211.36 198.40	36.35
23 21	13 23-1761	EA	5" x 2-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	955.44 153.93	38.57
23 21	13 23-1762	EA	5" x 3", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	195.91 23.02	41.17
23 21	13 23-1763	EA	5" x 4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	229.70 27.49	46.28
23 21	13 23-1764	EA	6" x 1", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	271.97 39.77	39.25
23 21	13 23-1765	EA	6" x 1-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,278.55 226.97	41.47
23 21	13 23-1766	EA	6" x 2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	279.18 39.77	44.07
23 21	13 23-1767	EA	6" x 2-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,292.73 228.27	46.28
23 21	13 23-1768	EA	6" x 3", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	286.43 39.77	48.89
23 21	13 23-1769	EA	6" x 4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	266.62 34.64	54.00
23 21	13 23-1770	EA	6" x 5", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	363.32 51.24	59.20
23 21	13 23-1771	EA	8" x 3", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	463.78 71.07	55.35
23 21	13 23-1772	EA	8" x 4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	471.48 71.07	60.46
23 21	13 23-1773	EA	8" x 5", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	479.21 71.07	65.57
23 21	13 23-1774	EA	8" x 6", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	595.60 90.63	73.28
23 21	13 23-1775	EA	10" x 4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,007.57 169.21	67.20
23 21	13 23-1776	EA	10" x 5", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	2,107.38 372.99	72.32
23 21	13 23-1777	EA	10" x 6", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,111.67 185.04	80.03
23 21	13 23-1778	EA	10" x 8", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,121.30 185.04	86.49
23 21	13 23-1779	EA	12" x 4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	3,116.53 450.27	76.56
23 21	13 23-1780	EA	12" x 6", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,316.73 177.41	89.38





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1781 EA 12" x 8", Grooved Concentric Reducer .....	1,920.29	95.85
For Galvanized Fittings, Add	266.50	
23 21 13 23-1782 EA 12" x 10", Grooved Concentric Reducer .....	1,930.48	102.59
For Galvanized Fittings, Add	266.50	
23 21 13 23-1783 EA 14" x 6", Grooved Concentric Reducer .....	6,172.55	96.33
For Galvanized Fittings, Add	185.06	
23 21 13 23-1784 EA 14" x 8", Grooved Concentric Reducer .....	3,692.41	102.78
For Galvanized Fittings, Add	108.63	
23 21 13 23-1785 EA 14" x 10", Grooved Concentric Reducer .....	3,151.73	109.54
For Galvanized Fittings, Add	91.72	
23 21 13 23-1786 EA 14" x 12", Grooved Concentric Reducer .....	3,165.68	118.79
For Galvanized Fittings, Add	91.72	
23 21 13 23-1787 EA 16" x 8", Grooved Concentric Reducer .....	5,616.03	109.63
For Galvanized Fittings, Add	167.36	
23 21 13 23-1788 EA 16" x 10", Grooved Concentric Reducer .....	5,214.86	116.38
For Galvanized Fittings, Add	154.74	
23 21 13 23-1789 EA 16" x 12", Grooved Concentric Reducer .....	4,825.68	125.74
For Galvanized Fittings, Add	142.36	
23 21 13 23-1790 EA 16" x 14", Grooved Concentric Reducer .....	4,836.10	132.67
For Galvanized Fittings, Add	142.36	
23 21 13 23-1791 EA 18" x 10", Grooved Concentric Reducer .....	7,301.47	122.84
For Galvanized Fittings, Add	218.50	
23 21 13 23-1792 EA 18" x 12", Grooved Concentric Reducer .....	6,615.43	132.10
For Galvanized Fittings, Add	197.01	
23 21 13 23-1793 EA 18" x 14", Grooved Concentric Reducer .....	6,018.13	139.04
For Galvanized Fittings, Add	178.35	
23 21 13 23-1794 EA 18" x 16", Grooved Concentric Reducer .....	6,028.54	146.08
For Galvanized Fittings, Add	178.35	
23 21 13 23-1795 EA 20" x 10", Grooved Concentric Reducer .....	8,034.54	126.02
For Galvanized Fittings, Add	240.86	
23 21 13 23-1796 EA 20" x 12", Grooved Concentric Reducer .....	6,891.87	135.38
For Galvanized Fittings, Add	205.35	
23 21 13 23-1797 EA 20" x 14", Grooved Concentric Reducer .....	6,902.29	142.32
For Galvanized Fittings, Add	205.35	
23 21 13 23-1798 EA 20" x 16", Grooved Concentric Reducer .....	6,157.88	149.17
For Galvanized Fittings, Add	182.18	
23 21 13 23-1799 EA 20" x 18", Grooved Concentric Reducer .....	6,561.52	155.62
For Galvanized Fittings, Add	194.27	
23 21 13 23-1800 EA 24" x 10", Grooved Concentric Reducer .....	17,693.06	140.19
For Galvanized Fittings, Add	536.73	
23 21 13 23-1801 EA 24" x 12", Grooved Concentric Reducer .....	17,284.89	149.55
For Galvanized Fittings, Add	523.76	
23 21 13 23-1802 EA 24" x 14", Grooved Concentric Reducer .....	15,067.48	156.40
For Galvanized Fittings, Add	455.37	
23 21 13 23-1803 EA 24" x 16", Grooved Concentric Reducer .....	15,077.96	163.43
For Galvanized Fittings, Add	455.37	
23 21 13 23-1804 EA 24" x 18", Grooved Concentric Reducer .....	12,915.34	169.79
For Galvanized Fittings, Add	388.69	
23 21 13 23-1805 EA 24" x 20", Grooved Concentric Reducer .....	11,798.79	173.08
For Galvanized Fittings, Add	354.26	
<b>23 21 13 23-1806 Grooved Eccentric Reducers</b> <small>(23 21 13 23-1712)</small>		
Note: Victaulic No. 51		
23 21 13 23-1807 EA 1-1/2" x 3/4", Grooved Eccentric Reducer .....	398.15	13.21
For Galvanized Fittings, Add	45.48	
23 21 13 23-1808 EA 1-1/2" x 1", Grooved Eccentric Reducer .....	362.28	13.79
For Galvanized Fittings, Add	41.05	
23 21 13 23-1809 EA 1-1/2" x 1-1/4", Grooved Eccentric Reducer .....	355.80	14.47
For Galvanized Fittings, Add	40.16	
23 21 13 23-1810 EA 2" x 3/4", Grooved Eccentric Reducer .....	758.86	15.72
For Galvanized Fittings, Add	88.38	
23 21 13 23-1811 EA 2" x 1", Grooved Eccentric Reducer .....	401.73	16.39
For Galvanized Fittings, Add	45.33	
23 21 13 23-1812 EA 2" x 1-1/4", Grooved Eccentric Reducer .....	439.01	17.07
For Galvanized Fittings, Add	49.70	
23 21 13 23-1813 EA 2" x 1-1/2", Grooved Eccentric Reducer .....	374.60	18.99
For Galvanized Fittings, Add	41.60	
23 21 13 23-1814 EA 2-1/2" x 3/4", Grooved Eccentric Reducer .....	986.37	17.74
For Galvanized Fittings, Add	115.36	
23 21 13 23-1815 EA 2-1/2" x 1", Grooved Eccentric Reducer .....	921.72	18.42
For Galvanized Fittings, Add	107.48	
23 21 13 23-1816 EA 2-1/2" x 1-1/4", Grooved Eccentric Reducer .....	547.80	18.99
For Galvanized Fittings, Add	62.42	
23 21 13 23-1817 EA 2-1/2" x 1-1/2", Grooved Eccentric Reducer .....	442.82	20.92
For Galvanized Fittings, Add	49.46	
23 21 13 23-1818 EA 2-1/2" x 2", Grooved Eccentric Reducer .....	200.95	23.43
For Galvanized Fittings, Add	19.92	
23 21 13 23-1819 EA 3" x 1", Grooved Eccentric Reducer .....	990.92	21.21
For Galvanized Fittings, Add	115.29	
23 21 13 23-1820 EA 3" x 1-1/4", Grooved Eccentric Reducer .....	901.06	21.89
For Galvanized Fittings, Add	104.37	
23 21 13 23-1821 EA 3" x 1-1/2", Grooved Eccentric Reducer .....	511.14	23.43
For Galvanized Fittings, Add	57.21	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1822	EA	3" x 2", Grooved Eccentric Reducer.....	229.53	26.03
			<i>For Galvanized Fittings, Add</i>	22.90	
23 21	13 23-1823	EA	3" x 2-1/2", Grooved Eccentric Reducer .....	237.01	31.05
			<i>For Galvanized Fittings, Add</i>	22.90	
23 21	13 23-1824	EA	3-1/2" x 3", Grooved Eccentric Reducer .....	1,103.96	33.46
			<i>For Galvanized Fittings, Add</i>	126.67	
23 21	13 23-1825	EA	4" x 1", Grooved Eccentric Reducer.....	1,983.69	26.32
			<i>For Galvanized Fittings, Add</i>	333.42	
23 21	13 23-1826	EA	4" x 1-1/2", Grooved Eccentric Reducer .....	1,218.72	28.64
			<i>For Galvanized Fittings, Add</i>	201.65	
23 21	13 23-1827	EA	4" x 2", Grooved Eccentric Reducer.....	279.68	31.24
			<i>For Galvanized Fittings, Add</i>	39.94	
23 21	13 23-1828	EA	4" x 2-1/2", Grooved Eccentric Reducer .....	283.06	33.46
			<i>For Galvanized Fittings, Add</i>	39.94	
23 21	13 23-1829	EA	4" x 3", Grooved Eccentric Reducer.....	286.91	36.06
			<i>For Galvanized Fittings, Add</i>	39.94	
23 21	13 23-1830	EA	5" x 2", Grooved Eccentric Reducer.....	1,351.04	36.35
			<i>For Galvanized Fittings, Add</i>	222.36	
23 21	13 23-1831	EA	5" x 2-1/2", Grooved Eccentric Reducer .....	1,162.48	38.57
			<i>For Galvanized Fittings, Add</i>	189.44	
23 21	13 23-1832	EA	5" x 3", Grooved Eccentric Reducer.....	1,128.67	41.17
			<i>For Galvanized Fittings, Add</i>	182.98	
23 21	13 23-1833	EA	5" x 4", Grooved Eccentric Reducer.....	386.66	46.28
			<i>For Galvanized Fittings, Add</i>	54.40	
23 21	13 23-1834	EA	6" x 1", Grooved Eccentric Reducer.....	2,074.38	39.25
			<i>For Galvanized Fittings, Add</i>	376.10	
23 21	13 23-1835	EA	6" x 2", Grooved Eccentric Reducer.....	1,904.14	44.07
			<i>For Galvanized Fittings, Add</i>	342.99	
23 21	13 23-1836	EA	6" x 2-1/2", Grooved Eccentric Reducer .....	2,258.18	46.28
			<i>For Galvanized Fittings, Add</i>	408.42	
23 21	13 23-1837	EA	6" x 3", Grooved Eccentric Reducer.....	495.64	48.89
			<i>For Galvanized Fittings, Add</i>	78.81	
23 21	13 23-1838	EA	6" x 4", Grooved Eccentric Reducer.....	450.69	54.00
			<i>For Galvanized Fittings, Add</i>	68.98	
23 21	13 23-1839	EA	6" x 5", Grooved Eccentric Reducer.....	532.18	59.20
			<i>For Galvanized Fittings, Add</i>	82.75	
23 21	13 23-1840	EA	8" x 3", Grooved Eccentric Reducer.....	2,218.59	55.35
			<i>For Galvanized Fittings, Add</i>	398.52	
23 21	13 23-1841	EA	8" x 4", Grooved Eccentric Reducer.....	1,957.07	60.46
			<i>For Galvanized Fittings, Add</i>	348.28	
23 21	13 23-1842	EA	8" x 5", Grooved Eccentric Reducer.....	1,836.09	65.57
			<i>For Galvanized Fittings, Add</i>	324.26	
23 21	13 23-1843	EA	8" x 6", Grooved Eccentric Reducer.....	859.54	73.28
			<i>For Galvanized Fittings, Add</i>	139.88	
23 21	13 23-1844	EA	10" x 4", Grooved Eccentric Reducer.....	3,525.76	67.20
			<i>For Galvanized Fittings, Add</i>	639.10	
23 21	13 23-1845	EA	10" x 5", Grooved Eccentric Reducer.....	3,335.33	72.32
			<i>For Galvanized Fittings, Add</i>	602.13	
23 21	13 23-1846	EA	10" x 6", Grooved Eccentric Reducer.....	2,553.39	80.03
			<i>For Galvanized Fittings, Add</i>	454.06	
23 21	13 23-1847	EA	10" x 8", Grooved Eccentric Reducer.....	2,189.19	86.49
			<i>For Galvanized Fittings, Add</i>	384.31	
23 21	13 23-1848	EA	12" x 4", Grooved Eccentric Reducer.....	3,597.34	76.56
			<i>For Galvanized Fittings, Add</i>	525.53	
23 21	13 23-1849	EA	12" x 6", Grooved Eccentric Reducer.....	3,384.73	89.38
			<i>For Galvanized Fittings, Add</i>	490.54	
23 21	13 23-1850	EA	12" x 8", Grooved Eccentric Reducer.....	3,311.20	95.85
			<i>For Galvanized Fittings, Add</i>	477.98	
23 21	13 23-1851	EA	12" x 10", Grooved Eccentric Reducer.....	2,991.02	102.59
			<i>For Galvanized Fittings, Add</i>	428.13	
23 21	13 23-1852	EA	14" x 6", Grooved Eccentric Reducer.....	8,346.61	96.33
			<i>For Galvanized Fittings, Add</i>	251.81	
23 21	13 23-1853	EA	14" x 8", Grooved Eccentric Reducer.....	5,397.96	102.78
			<i>For Galvanized Fittings, Add</i>	160.99	
23 21	13 23-1854	EA	14" x 10", Grooved Eccentric Reducer.....	5,156.00	109.54
			<i>For Galvanized Fittings, Add</i>	153.25	
23 21	13 23-1855	EA	14" x 12", Grooved Eccentric Reducer.....	5,169.95	118.79
			<i>For Galvanized Fittings, Add</i>	153.25	
23 21	13 23-1856	EA	16" x 8", Grooved Eccentric Reducer.....	9,222.70	109.63
			<i>For Galvanized Fittings, Add</i>	278.09	
23 21	13 23-1857	EA	16" x 10", Grooved Eccentric Reducer.....	8,545.07	116.38
			<i>For Galvanized Fittings, Add</i>	256.97	
23 21	13 23-1858	EA	16" x 12", Grooved Eccentric Reducer.....	8,053.76	125.74
			<i>For Galvanized Fittings, Add</i>	241.46	
23 21	13 23-1859	EA	16" x 14", Grooved Eccentric Reducer.....	8,064.18	132.67
			<i>For Galvanized Fittings, Add</i>	241.46	
23 21	13 23-1860	EA	18" x 10", Grooved Eccentric Reducer.....	11,568.88	122.84
			<i>For Galvanized Fittings, Add</i>	349.51	
23 21	13 23-1861	EA	18" x 12", Grooved Eccentric Reducer.....	10,888.33	132.10
			<i>For Galvanized Fittings, Add</i>	328.19	
23 21	13 23-1862	EA	18" x 14", Grooved Eccentric Reducer.....	9,921.13	139.04
			<i>For Galvanized Fittings, Add</i>	298.18	
23 21	13 23-1863	EA	18" x 16", Grooved Eccentric Reducer.....	9,931.54	146.08
			<i>For Galvanized Fittings, Add</i>	298.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1864 EA 20" x 10", Grooved Eccentric Reducer .....	15,191.28	126.02
For Galvanized Fittings, Add	460.57	
23 21 13 23-1865 EA 20" x 12", Grooved Eccentric Reducer .....	11,299.99	135.38
For Galvanized Fittings, Add	340.68	
23 21 13 23-1866 EA 20" x 14", Grooved Eccentric Reducer .....	10,616.66	142.32
For Galvanized Fittings, Add	319.38	
23 21 13 23-1867 EA 20" x 16", Grooved Eccentric Reducer .....	10,458.61	149.17
For Galvanized Fittings, Add	314.21	
23 21 13 23-1868 EA 20" x 18", Grooved Eccentric Reducer .....	10,076.21	155.62
For Galvanized Fittings, Add	302.18	
23 21 13 23-1869 EA 24" x 12", Grooved Eccentric Reducer .....	21,942.06	149.55
For Galvanized Fittings, Add	666.74	
23 21 13 23-1870 EA 24" x 14", Grooved Eccentric Reducer .....	18,744.30	156.40
For Galvanized Fittings, Add	568.25	
23 21 13 23-1871 EA 24" x 16", Grooved Eccentric Reducer .....	18,754.78	163.43
For Galvanized Fittings, Add	568.25	
23 21 13 23-1872 EA 24" x 18", Grooved Eccentric Reducer .....	17,713.64	169.79
For Galvanized Fittings, Add	535.99	
23 21 13 23-1873 EA 24" x 20", Grooved Eccentric Reducer .....	16,191.82	173.08
For Galvanized Fittings, Add	489.12	
<b>23 21 13 23-1874 Close Nipple, Grooved</b> <small>(23 21 13 23-1712)</small>		
Note: Victaulic No. 143		
23 21 13 23-1875 EA 1-1/4" Ductile Iron, Grooved, Close Nipple .....	58.40	12.72
For Galvanized Fittings, Add	7.04	
For 300 LB Rating, Add	5.87	
For Galvanized Fittings, Add	10.01	
23 21 13 23-1876 EA 1-1/2" Ductile Iron, Grooved, Close Nipple .....	66.72	15.91
For Galvanized Fittings, Add	7.67	
For 300 LB Rating, Add	6.39	
For Galvanized Fittings, Add	10.91	
23 21 13 23-1877 EA 2" Ductile Iron, Grooved, Close Nipple .....	83.19	21.00
For Galvanized Fittings, Add	9.25	
For 300 LB Rating, Add	7.71	
For Galvanized Fittings, Add	13.15	
23 21 13 23-1878 EA 2-1/2" Ductile Iron, Grooved, Close Nipple .....	99.28	25.46
For Galvanized Fittings, Add	10.93	
For 300 LB Rating, Add	9.11	
For Galvanized Fittings, Add	15.54	
<b>23 21 13 23-1879 Grooved Couplings</b> <small>(23 21 13 23-1469)</small>		
<b>23 21 13 23-1880 Flexible Grooved Coupling</b> <small>(23 21 13 23-1879)</small>		
Note: Victaulic Style 77		
23 21 13 23-1881 EA 3/4" Grooved Standard Coupling .....	42.54	5.20
For Galvanized Fittings, Add	9.71	
23 21 13 23-1882 EA 1" Grooved Standard Coupling .....	42.54	5.20
For Galvanized Fittings, Add	9.71	
23 21 13 23-1883 EA 1-1/4" Grooved Standard Coupling .....	55.96	6.55
For Galvanized Fittings, Add	12.91	
23 21 13 23-1884 EA 1-1/2" Grooved Standard Coupling .....	62.17	7.81
For Galvanized Fittings, Add	14.11	
23 21 13 23-1885 EA 2" Grooved Standard Coupling .....	69.03	10.51
For Galvanized Fittings, Add	14.92	
23 21 13 23-1886 EA 2-1/2" Grooved Standard Coupling .....	82.96	12.82
For Galvanized Fittings, Add	17.85	
23 21 13 23-1887 EA 3" Grooved Standard Coupling .....	86.68	15.33
For Galvanized Fittings, Add	17.85	
23 21 13 23-1888 EA 3-1/2" Grooved Standard Coupling .....	129.66	17.94
For Galvanized Fittings, Add	28.76	
23 21 13 23-1889 EA 4" Grooved Standard Coupling .....	133.43	20.45
For Galvanized Fittings, Add	28.76	
23 21 13 23-1890 EA 5" Grooved Standard Coupling .....	195.86	25.65
For Galvanized Fittings, Add	44.09	
23 21 13 23-1891 EA 6" Grooved Standard Coupling .....	236.38	33.46
For Galvanized Fittings, Add	52.12	
23 21 13 23-1892 EA 8" Grooved Standard Coupling .....	363.24	39.92
For Galvanized Fittings, Add	84.97	
23 21 13 23-1893 EA 10" Grooved Standard Coupling .....	576.07	47.83
For Galvanized Fittings, Add	141.21	
23 21 13 23-1894 EA 12" Grooved Standard Coupling .....	652.69	52.35
For Galvanized Fittings, Add	160.78	
23 21 13 23-1895 EA 14" Grooved Standard Coupling .....	802.21	69.81
For Galvanized Fittings, Add	195.32	
23 21 13 23-1896 EA 16" Grooved Standard Coupling .....	1,040.56	83.79
For Galvanized Fittings, Add	256.20	
23 21 13 23-1897 EA 18" Grooved Standard Coupling .....	1,211.11	93.04
For Galvanized Fittings, Add	300.05	
23 21 13 23-1898 EA 20" Grooved Standard Coupling .....	1,842.75	104.72
For Galvanized Fittings, Add	472.03	
23 21 13 23-1899 EA 24" Grooved Standard Coupling .....	2,041.89	128.82
For Galvanized Fittings, Add	517.65	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13	23-1900		<b>Zero-Flex® Rigid Coupling</b> (23 21 13 23-1879) Note: Victaulic Style 07		
	23 21 13 23-1901	EA	1" Grooved Rigid Coupling.....	56.10	5.20
			<i>For Galvanized Fittings, Add</i>	11.82	
	23 21 13 23-1902	EA	1-1/4" Grooved Rigid Coupling.....	58.08	6.55
			<i>For Galvanized Fittings, Add</i>	11.82	
	23 21 13 23-1903	EA	1-1/2" Grooved Rigid Coupling.....	59.99	7.81
			<i>For Galvanized Fittings, Add</i>	11.82	
	23 21 13 23-1904	EA	2" Grooved Rigid Coupling.....	65.21	10.51
			<i>For Galvanized Fittings, Add</i>	12.12	
	23 21 13 23-1905	EA	2-1/2" Grooved Rigid Coupling.....	76.21	12.82
			<i>For Galvanized Fittings, Add</i>	13.97	
	23 21 13 23-1906	EA	3" Grooved Rigid Coupling.....	79.93	15.33
			<i>For Galvanized Fittings, Add</i>	13.97	
	23 21 13 23-1907	EA	3-1/2" Grooved Rigid Coupling.....	93.56	17.94
			<i>For Galvanized Fittings, Add</i>	16.32	
	23 21 13 23-1908	EA	4" Grooved Rigid Coupling.....	125.12	20.45
			<i>For Galvanized Fittings, Add</i>	23.13	
	23 21 13 23-1909	EA	5" Grooved Rigid Coupling.....	160.99	25.65
			<i>For Galvanized Fittings, Add</i>	30.04	
	23 21 13 23-1910	EA	6" Grooved Rigid Coupling.....	214.11	33.46
			<i>For Galvanized Fittings, Add</i>	40.15	
	23 21 13 23-1911	EA	8" Grooved Rigid Coupling.....	317.98	39.92
			<i>For Galvanized Fittings, Add</i>	63.26	
	23 21 13 23-1912	EA	10" Grooved Rigid Coupling.....	534.39	47.83
			<i>For Galvanized Fittings, Add</i>	113.35	
	23 21 13 23-1913	EA	12" Grooved Rigid Coupling.....	596.19	52.35
			<i>For Galvanized Fittings, Add</i>	126.84	
	23 21 13 23-1914	EA	14" Grooved Rigid Coupling.....	781.03	69.81
			<i>For Galvanized Fittings, Add</i>	165.72	
	23 21 13 23-1915	EA	16" Grooved Rigid Coupling.....	1,007.72	83.79
			<i>For Galvanized Fittings, Add</i>	216.13	
	23 21 13 23-1916	EA	18" Grooved Rigid Coupling.....	1,159.30	93.04
			<i>For Galvanized Fittings, Add</i>	249.85	
	23 21 13 23-1917	EA	20" Grooved Rigid Coupling.....	1,371.08	104.72
			<i>For Galvanized Fittings, Add</i>	297.46	
	23 21 13 23-1918	EA	24" Grooved Rigid Coupling.....	1,981.51	128.82
			<i>For Galvanized Fittings, Add</i>	438.15	
23 21 13	23-1919		<b>Large Diameter Grooved Coupling</b> (23 21 13 23-1879) Note: Victaulic Style 770		
	23 21 13 23-1920	EA	28" Grooved Coupling.....	2,184.35	25.65
			<i>For Galvanized Fittings, Add</i>	300.44	
	23 21 13 23-1921	EA	30" Grooved Coupling.....	2,520.90	33.46
			<i>For Galvanized Fittings, Add</i>	345.90	
	23 21 13 23-1922	EA	32" Grooved Coupling.....	3,759.78	39.92
			<i>For Galvanized Fittings, Add</i>	518.00	
	23 21 13 23-1923	EA	36" Grooved Coupling.....	5,001.04	47.83
			<i>For Galvanized Fittings, Add</i>	690.10	
	23 21 13 23-1924	EA	42" Grooved Coupling.....	10,047.53	52.35
			<i>For Galvanized Fittings, Add</i>	1,395.67	
23 21 13	23-1925		<b>Flexible Coupling</b> (23 21 13 23-1879) Note: Victaulic Style 75		
	23 21 13 23-1926	EA	1-1/2" Grooved Flexible Coupling.....	55.59	7.81
			<i>For Galvanized Fittings, Add</i>	11.22	
	23 21 13 23-1927	EA	2" Grooved Flexible Coupling.....	60.72	10.51
			<i>For Galvanized Fittings, Add</i>	11.51	
	23 21 13 23-1928	EA	2-1/2" Grooved Flexible Coupling.....	71.31	12.82
			<i>For Galvanized Fittings, Add</i>	13.34	
	23 21 13 23-1929	EA	3" Grooved Flexible Coupling.....	83.51	15.33
			<i>For Galvanized Fittings, Add</i>	15.51	
	23 21 13 23-1930	EA	3-1/2" Grooved Flexible Coupling.....	112.77	17.94
			<i>For Galvanized Fittings, Add</i>	21.97	
	23 21 13 23-1931	EA	4" Grooved Flexible Coupling.....	116.54	20.45
			<i>For Galvanized Fittings, Add</i>	21.97	
	23 21 13 23-1932	EA	5" Grooved Flexible Coupling.....	162.22	25.65
			<i>For Galvanized Fittings, Add</i>	31.70	
	23 21 13 23-1933	EA	6" Grooved Flexible Coupling.....	199.39	33.46
			<i>For Galvanized Fittings, Add</i>	38.19	
	23 21 13 23-1934	EA	8" Grooved Flexible Coupling.....	294.27	39.92
			<i>For Galvanized Fittings, Add</i>	60.03	
23 21 13	23-1935		<b>Installation-Ready™ Coupling</b> (23 21 13 23-1879) Note: Victaulic Style 009N		
	23 21 13 23-1936	EA	1-1/4" Ductile Iron, Installation-Ready™ Coupling.....	76.28	4.87
			<i>For Galvanized Fittings, Add</i>	17.64	
	23 21 13 23-1937	EA	1-1/2" Ductile Iron, Installation-Ready™ Coupling.....	79.14	5.83
			<i>For Galvanized Fittings, Add</i>	18.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1938 EA 2" Ductile Iron, Installation-Ready™ Coupling.....	91.40	7.82
For Galvanized Fittings, Add	20.36	
23 21 13 23-1939 EA 2-1/2" Ductile Iron, Installation-Ready™ Coupling.....	105.99	9.49
For Galvanized Fittings, Add	23.45	
23 21 13 23-1940 EA 3" Ductile Iron, Installation-Ready™ Coupling.....	120.95	11.39
For Galvanized Fittings, Add	26.54	
23 21 13 23-1941 EA 4" Ductile Iron, Installation-Ready™ Coupling.....	168.65	15.21
For Galvanized Fittings, Add	37.27	
23 21 13 23-1942 EA 5" Ductile Iron, Installation-Ready™ Coupling.....	266.98	19.02
For Galvanized Fittings, Add	60.97	
23 21 13 23-1943 EA 6" Ductile Iron, Installation-Ready™ Coupling.....	322.27	24.88
For Galvanized Fittings, Add	72.85	
23 21 13 23-1944 EA 8" Ductile Iron, Installation-Ready™ Coupling.....	520.26	29.59
For Galvanized Fittings, Add	121.71	
<b>23 21 13 23-1945 Grooved Strainers And Suction Diffusers (23 21 13 23-1469)</b>		
<b>23 21 13 23-1946 Grooved Wye Strainers (23 21 13 23-1945)</b>		
Note: Victaulic Style 732		
23 21 13 23-1947 EA 2" Grooved Wye Strainer.....	1,907.58	21.21
23 21 13 23-1948 EA 2-1/2" Grooved Wye Strainer.....	2,009.01	25.75
23 21 13 23-1949 EA 3" Grooved Wye Strainer.....	2,259.88	30.86
23 21 13 23-1950 EA 4" Grooved Wye Strainer.....	2,566.78	41.17
23 21 13 23-1951 EA 5" Grooved Wye Strainer.....	3,705.98	51.49
23 21 13 23-1952 EA 6" Grooved Wye Strainer.....	4,040.39	66.91
23 21 13 23-1953 EA 8" Grooved Wye Strainer.....	6,159.71	79.75
23 21 13 23-1954 EA 10" Grooved Wye Strainer.....	9,849.30	93.23
23 21 13 23-1955 EA 12" Grooved Wye Strainer.....	17,129.62	111.95
<b>23 21 13 23-1956 Grooved Tee Type Strainers (23 21 13 23-1945)</b>		
Note: Victaulic Style 730		
23 21 13 23-1957 EA 1-1/2" Grooved Tee Type Strainer.....	1,471.60	16.10
23 21 13 23-1958 EA 2" Grooved Tee Type Strainer.....	1,884.43	21.21
23 21 13 23-1959 EA 2-1/2" Grooved Tee Type Strainer.....	1,984.94	25.75
23 21 13 23-1960 EA 3" Grooved Tee Type Strainer.....	2,232.69	30.86
23 21 13 23-1961 EA 4" Grooved Tee Type Strainer.....	2,535.96	41.17
23 21 13 23-1962 EA 5" Grooved Tee Type Strainer.....	3,661.10	51.49
23 21 13 23-1963 EA 6" Grooved Tee Type Strainer.....	3,992.01	66.91
23 21 13 23-1964 EA 8" Grooved Tee Type Strainer.....	6,084.78	79.75
23 21 13 23-1965 EA 10" Grooved Tee Type Strainer.....	8,901.05	93.23
23 21 13 23-1966 EA 12" Grooved Tee Type Strainer.....	11,445.89	111.95
23 21 13 23-1967 EA 14" Grooved Tee Type Strainer.....	40,389.47	126.02
23 21 13 23-1968 EA 16" Grooved Tee Type Strainer.....	50,172.52	139.52
23 21 13 23-1969 EA 18" Grooved Tee Type Strainer.....	65,944.82	152.44
<b>23 21 13 23-1970 Grooved Suction Diffuser (23 21 13 23-1945)</b>		
Note: Victaulic Style 731		
23 21 13 23-1971 EA 2-1/2" Grooved x 2" Flanged Suction Diffuser.....	3,882.53	23.81
23 21 13 23-1972 EA 3" Grooved x 2" Flanged Suction Diffuser.....	4,121.83	26.32
23 21 13 23-1973 EA 3" Grooved x 2-1/2" Flanged Suction Diffuser.....	2,981.01	30.86
23 21 13 23-1974 EA 3" Grooved x 3" Flanged Suction Diffuser.....	3,023.64	33.46
23 21 13 23-1975 EA 4" Grooved x 2-1/2" Flanged Suction Diffuser.....	3,274.56	33.46
23 21 13 23-1976 EA 4" Grooved x 3" Flanged Suction Diffuser.....	3,532.84	36.06
23 21 13 23-1977 EA 4" Grooved x 4" Flanged Suction Diffuser.....	4,083.15	36.06
23 21 13 23-1978 EA 5" Grooved x 4" Flanged Suction Diffuser.....	4,560.38	46.28
23 21 13 23-1979 EA 5" Grooved x 5" Flanged Suction Diffuser.....	4,792.13	48.89
23 21 13 23-1980 EA 6" Grooved x 4" Flanged Suction Diffuser.....	4,869.30	54.00
23 21 13 23-1981 EA 6" Grooved x 5" Flanged Suction Diffuser.....	5,816.68	59.20
23 21 13 23-1982 EA 6" Grooved x 6" Flanged Suction Diffuser.....	6,041.88	63.06
23 21 13 23-1983 EA 8" Grooved x 5" Flanged Suction Diffuser.....	6,199.62	65.57
23 21 13 23-1984 EA 8" Grooved x 6" Flanged Suction Diffuser.....	6,543.66	73.28
23 21 13 23-1985 EA 8" Grooved x 8" Flanged Suction Diffuser.....	11,191.24	79.75
23 21 13 23-1986 EA 10" Grooved x 8" Flanged Suction Diffuser.....	12,622.67	86.20
23 21 13 23-1987 EA 10" Grooved x 10" Flanged Suction Diffuser.....	15,188.15	89.38
23 21 13 23-1988 EA 12" Grooved x 10" Flanged Suction Diffuser.....	17,973.25	102.88
23 21 13 23-1989 EA 12" Grooved x 12" Flanged Suction Diffuser.....	24,949.68	109.35
23 21 13 23-1990 EA 14" Grooved x 10" Flanged Suction Diffuser.....	23,231.48	109.35
23 21 13 23-1991 EA 14" Grooved x 12" Flanged Suction Diffuser.....	25,945.90	118.98
23 21 13 23-1992 EA 14" Grooved x 14" Flanged Suction Diffuser.....	31,480.08	126.02
23 21 13 23-1993 EA 16" Grooved x 14" Flanged Suction Diffuser.....	32,409.22	132.48
<b>23 21 13 23-1994 Grooved Steel Valves (23 21 13 23-1469)</b>		
<b>23 21 13 23-1995 Grooved Butterfly Valves With Standard Trim (23 21 13 23-1994)</b>		
23 21 13 23-1996 EA 1-1/2" Butterfly Valve, Grooved, With Standard Trim.....	287.97	10.51
23 21 13 23-1997 EA 2" Butterfly Valve, Grooved, With Standard Trim.....	292.94	13.79
23 21 13 23-1998 EA 3" Butterfly Valve, Grooved, With Standard Trim.....	481.15	20.45
23 21 13 23-1999 EA 4" Butterfly Valve, Grooved, With Standard Trim.....	646.40	26.90

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2000 EA 6" Butterfly Valve, Grooved, With Standard Trim .....	1,414.15	44.07
23 21 13 23-2001 EA 8" Butterfly Valve, Grooved, With Standard Trim .....	1,959.57	62.00
23 21 13 23-2002 EA 10" Butterfly Valve, Grooved, With Standard Trim .....	2,944.85	83.79
<b>23 21 13 23-2003 Grooved Butterfly Valves With Stainless Steel Trim (23 21 13 23-1994)</b>		
23 21 13 23-2004 EA 1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim .....	433.79	10.51
23 21 13 23-2005 EA 2" Butterfly Valve, Grooved, With Stainless Steel Trim .....	438.76	13.79
23 21 13 23-2006 EA 3" Butterfly Valve, Grooved, With Stainless Steel Trim .....	678.82	20.45
23 21 13 23-2007 EA 4" Butterfly Valve, Grooved, With Stainless Steel Trim .....	863.52	26.90
23 21 13 23-2008 EA 6" Butterfly Valve, Grooved, With Stainless Steel Trim .....	1,653.95	44.07
23 21 13 23-2009 EA 8" Butterfly Valve, Grooved, With Stainless Steel Trim .....	2,750.27	62.00
23 21 13 23-2010 EA 10" Butterfly Valve, Grooved, With Stainless Steel Trim .....	4,338.29	83.79
<b>23 21 13 23-2011 Grooved Ball Valves With Standard Trim And Handle (23 21 13 23-1994)</b>		
Note: Victaulic No. 721		
23 21 13 23-2012 EA 1-1/2" Ball Valve, Grooved, With Standard Trim .....	242.64	10.31
23 21 13 23-2013 EA 2" Ball Valve, Grooved, With Standard Trim .....	277.58	14.17
23 21 13 23-2014 EA 2-1/2" Ball Valve, Grooved, With Standard Trim .....	636.65	17.36
23 21 13 23-2015 EA 3" Ball Valve, Grooved, With Standard Trim .....	1,045.70	20.54
23 21 13 23-2016 EA 4" Ball Valve, Grooved, With Standard Trim .....	1,629.46	27.00
23 21 13 23-2017 EA 6" Ball Valve, Grooved, With Standard Trim .....	5,074.78	44.35
<b>23 21 13 23-2018 Grooved Ball Valves With Stainless Steel Trim And Handle (23 21 13 23-1994)</b>		
Note: Victaulic No. 721		
23 21 13 23-2019 EA 1-1/2" Ball Valve, Grooved, With Stainless Steel Trim .....	258.61	10.31
23 21 13 23-2020 EA 2" Ball Valve, Grooved, With Stainless Steel Trim .....	443.37	14.17
23 21 13 23-2021 EA 2-1/2" Ball Valve, Grooved, With Stainless Steel Trim .....	1,159.42	17.36
23 21 13 23-2022 EA 3" Ball Valve, Grooved, With Stainless Steel Trim .....	1,499.75	20.54
23 21 13 23-2023 EA 4" Ball Valve, Grooved, With Stainless Steel Trim .....	2,049.05	27.00
23 21 13 23-2024 EA 6" Ball Valve, Grooved, With Stainless Steel Trim .....	5,594.71	44.35
<b>23 21 13 23-2025 Grooved Check Valves (23 21 13 23-1994)</b>		
Note: Victaulic No. 712		
23 21 13 23-2026 EA 2" Check Valve, Grooved .....	368.85	14.17
23 21 13 23-2027 EA 2-1/2" Check Valve, Grooved .....	599.79	17.36
23 21 13 23-2028 EA 3" Check Valve, Grooved .....	698.81	20.54
23 21 13 23-2029 EA 4" Check Valve, Grooved .....	990.97	27.00
<b>23 21 13 23-2030 Grooved Vic-Check Check Valves (23 21 13 23-1994)</b>		
Note: Victaulic No. 716		
23 21 13 23-2031 EA 2-1/2" "Vic-Check" Check Valve, Grooved .....	478.55	17.36
23 21 13 23-2032 EA 3" "Vic-Check" Check Valve, Grooved .....	483.24	20.54
23 21 13 23-2033 EA 4" "Vic-Check" Check Valve, Grooved .....	605.33	27.00
23 21 13 23-2034 EA 6" "Vic-Check" Check Valve, Grooved .....	1,181.84	44.35
23 21 13 23-2035 EA 8" "Vic-Check" Check Valve, Grooved .....	1,616.92	61.71
23 21 13 23-2036 EA 10" "Vic-Check" Check Valve, Grooved .....	4,537.66	83.60
23 21 13 23-2037 EA 12" "Vic-Check" Check Valve, Grooved .....	5,373.93	96.52
<b>23 21 13 23-2038 Grooved Plug Valves With Lever Operator (23 21 13 23-1994)</b>		
Note: Victaulic No. 377		
23 21 13 23-2039 EA 3" Balancing Plug Valve, Grooved, With Lever Handle .....	590.73	20.54
23 21 13 23-2040 EA 4" Balancing Plug Valve, Grooved, With Lever Handle .....	656.66	27.00
23 21 13 23-2041 EA 6" Balancing Plug Valve, Grooved, With Lever Handle .....	1,171.33	44.35
<b>23 21 13 23-2042 Grooved Plug Valve With Gear Operator (23 21 13 23-1994)</b>		
Note: Victaulic No. 377		
23 21 13 23-2043 EA 3" Balancing Plug Valve, Grooved, With Gear Operator .....	1,042.39	20.54
23 21 13 23-2044 EA 4" Balancing Plug Valve, Grooved, With Gear Operator .....	1,108.35	27.00
23 21 13 23-2045 EA 6" Balancing Plug Valve, Grooved, With Gear Operator .....	1,623.03	44.35
23 21 13 23-2046 EA 8" Balancing Plug Valve, Grooved, With Gear Operator .....	2,171.68	61.71
23 21 13 23-2047 EA 10" Balancing Plug Valve, Grooved, With Gear Operator .....	3,404.28	83.60
23 21 13 23-2048 EA 12" Balancing Plug Valve, Grooved, With Gear Operator .....	4,920.88	96.52
<b>23 21 13 23-2049 Prepare Pipe For Groove (23 21 13 23-1469)</b>		
<b>23 21 13 23-2050 Cut Grooved Pipe (23 21 13 23-2049)</b>		
Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2051 EA Cut 3/4" Groove Pipe .....	10.10	
23 21 13 23-2052 EA Cut 1" Groove Pipe .....	10.97	
23 21 13 23-2053 EA Cut 1-1/4" Groove Pipe .....	12.38	
23 21 13 23-2054 EA Cut 1-1/2" Groove Pipe .....	13.47	
23 21 13 23-2055 EA Cut 2" Groove Pipe .....	14.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2056 EA Cut 2-1/2" Groove Pipe.....	15.99	
23 21 13 23-2057 EA Cut 3" Groove Pipe.....	17.45	
23 21 13 23-2058 EA Cut 3-1/2" Groove Pipe.....	18.50	
23 21 13 23-2059 EA Cut 4" Groove Pipe.....	19.68	
23 21 13 23-2060 EA Cut 5" Groove Pipe.....	21.32	
23 21 13 23-2061 EA Cut 6" Groove Pipe.....	21.94	
23 21 13 23-2062 EA Cut 8" Groove Pipe.....	28.43	
23 21 13 23-2063 EA Cut 10" Groove Pipe.....	40.41	
23 21 13 23-2064 EA Cut 12" Groove Pipe.....	51.17	
23 21 13 23-2065 EA Cut 14" Groove Pipe.....	76.77	
23 21 13 23-2066 EA Cut 16" Groove Pipe.....	80.80	
23 21 13 23-2067 EA Cut 18" Groove Pipe.....	85.30	
23 21 13 23-2068 EA Cut 20" Groove Pipe.....	90.31	
23 21 13 23-2069 EA Cut 24" Groove Pipe.....	102.36	
<b>23 21 13 23-2070</b>		
<b>Roll Grooved Pipe</b> <small>(23 21 13 23-2049)</small>		
Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2071 EA Roll 3/4" Groove.....	5.78	
23 21 13 23-2072 EA Roll 1" Groove.....	6.73	
23 21 13 23-2073 EA Roll 1-1/4" Groove.....	7.67	
23 21 13 23-2074 EA Roll 1-1/2" Groove.....	8.63	
23 21 13 23-2075 EA Roll 2" Groove.....	13.24	
23 21 13 23-2076 EA Roll 2-1/2" Groove.....	13.95	
23 21 13 23-2077 EA Roll 3" Groove.....	15.35	
23 21 13 23-2078 EA Roll 3-1/2" Groove.....	16.33	
23 21 13 23-2079 EA Roll 4" Groove.....	17.85	
23 21 13 23-2080 EA Roll 5" Groove.....	18.28	
23 21 13 23-2081 EA Roll 6" Groove.....	19.20	
23 21 13 23-2082 EA Roll 8" Groove.....	23.26	
23 21 13 23-2083 EA Roll 10" Groove.....	26.47	
23 21 13 23-2084 EA Roll 12" Groove.....	33.38	
23 21 13 23-2085 EA Roll 14" Groove.....	51.17	
23 21 13 23-2086 EA Roll 16" Groove.....	54.83	
23 21 13 23-2087 EA Roll 18" Groove.....	56.87	
23 21 13 23-2088 EA Roll 20" Groove.....	61.42	
23 21 13 23-2089 EA Roll 24" Groove.....	66.76	
<b>23 21 13 23-2090</b>		
<b>Standard Gaskets</b> <small>(23 21 13 23-2049)</small>		
Note: For use on replacement of existing gaskets.		
23 21 13 23-2091 EA 3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	29.02	
23 21 13 23-2092 EA 1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	29.83	
23 21 13 23-2093 EA 1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	31.07	
23 21 13 23-2094 EA 1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	34.00	
23 21 13 23-2095 EA 2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	34.57	
23 21 13 23-2096 EA 2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	40.91	
23 21 13 23-2097 EA 3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	44.75	
23 21 13 23-2098 EA 3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	55.64	
23 21 13 23-2099 EA 4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	56.11	
23 21 13 23-2100 EA 5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	70.82	
23 21 13 23-2101 EA 6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	76.26	
23 21 13 23-2102 EA 8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	104.04	
23 21 13 23-2103 EA 10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	131.33	
23 21 13 23-2104 EA 12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	154.24	
23 21 13 23-2105 EA 14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	214.79	
23 21 13 23-2106 EA 16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	289.82	
23 21 13 23-2107 EA 18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	345.32	
23 21 13 23-2108 EA 20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	517.77	
23 21 13 23-2109 EA 24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	712.21	
<b>23 21 13 23-2110</b>		
<b>Copper Grooved-Joint Pipe Fittings</b> <small>(23 21 13 23)</small>		
Note: Couplings are not included with fittings.		
<b>23 21 13 23-2111</b>		
<b>Grooved Fittings</b> <small>(23 21 13 23-2110)</small>		
<b>23 21 13 23-2112</b>		
<b>Grooved 90 Degree Elbows</b> <small>(23 21 13 23-2111)</small>		
23 21 13 23-2113 EA 2" Copper 90 Degree Elbow, Grooved.....	68.06	15.72
23 21 13 23-2114 EA 2-1/2" Copper 90 Degree Elbow, Grooved.....	77.92	19.19
23 21 13 23-2115 EA 3" Copper 90 Degree Elbow, Grooved.....	101.92	23.24
23 21 13 23-2116 EA 4" Copper 90 Degree Elbow, Grooved.....	188.56	30.66
23 21 13 23-2117 EA 5" Copper 90 Degree Elbow, Grooved.....	437.15	38.38
23 21 13 23-2118 EA 6" Copper 90 Degree Elbow, Grooved.....	675.56	50.24
23 21 13 23-2119 EA 8" Copper 90 Degree Elbow, Grooved.....	1,199.23	59.78
<b>23 21 13 23-2120</b>		
<b>Grooved 45 Degree Elbows</b> <small>(23 21 13 23-2111)</small>		
23 21 13 23-2121 EA 2" Copper 45 Degree Elbow, Grooved.....	68.06	15.72
23 21 13 23-2122 EA 2-1/2" Copper 45 Degree Elbow, Grooved.....	77.92	19.19
23 21 13 23-2123 EA 3" Copper 45 Degree Elbow, Grooved.....	101.92	23.24

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2124 EA 4" Copper 45 Degree Elbow, Grooved.....	188.56	30.66
23 21 13 23-2125 EA 5" Copper 45 Degree Elbow, Grooved.....	437.15	38.38
23 21 13 23-2126 EA 6" Copper 45 Degree Elbow, Grooved.....	675.56	50.24
23 21 13 23-2127 EA 8" Copper 45 Degree Elbow, Grooved.....	1,199.23	59.78
<b>23 21 13 23-2128 Grooved Tees (23 21 13 23-2111)</b>		
23 21 13 23-2129 EA 2" Copper Tee, Grooved.....	106.24	23.14
23 21 13 23-2130 EA 2-1/2" Copper Tee, Grooved.....	120.44	28.44
23 21 13 23-2131 EA 3" Copper Tee, Grooved.....	164.38	34.90
23 21 13 23-2132 EA 4" Copper Tee, Grooved.....	297.70	45.13
23 21 13 23-2133 EA 5" Copper Tee, Grooved.....	1,030.72	59.01
23 21 13 23-2134 EA 6" Copper Tee, Grooved.....	864.65	73.86
23 21 13 23-2135 EA 8" Copper Tee, Grooved.....	1,459.56	89.68
<b>23 21 13 23-2136 Grooved Reducing Tees (23 21 13 23-2111)</b>		
23 21 13 23-2137 EA 2-1/2" Copper Tee, Reducing, Grooved.....	151.63	28.44
23 21 13 23-2138 EA 3" Copper Tee, Reducing, Grooved.....	230.62	34.90
23 21 13 23-2139 EA 4" Copper Tee, Reducing, Grooved.....	362.77	45.23
23 21 13 23-2140 EA 5" Copper Tee, Reducing, Grooved.....	949.67	59.11
23 21 13 23-2141 EA 6" Copper Tee, Reducing, Grooved.....	1,162.97	73.86
<b>23 21 13 23-2142 Grooved X Cup Reducing Tees (23 21 13 23-2111)</b>		
23 21 13 23-2143 EA 2" Copper Tee, Reducing, Grooved X Cup.....	122.92	23.14
23 21 13 23-2144 EA 2-1/2" Copper Tee, Reducing, Grooved X Cup.....	151.97	28.44
23 21 13 23-2145 EA 3" Copper Tee, Reducing, Grooved X Cup.....	245.63	34.90
23 21 13 23-2146 EA 4" Copper Tee, Reducing, Grooved X Cup.....	362.77	45.13
<b>23 21 13 23-2147 Grooved Flanged Adapter Nipples (23 21 13 23-2111)</b>		
23 21 13 23-2148 EA 2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	191.89	17.07
23 21 13 23-2149 EA 2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	205.65	20.73
23 21 13 23-2150 EA 3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	221.50	24.78
23 21 13 23-2151 EA 4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	255.29	33.36
23 21 13 23-2152 EA 5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	334.22	40.40
23 21 13 23-2153 EA 6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	384.93	54.57
<b>23 21 13 23-2154 Grooved Concentric Reducers (23 21 13 23-2111)</b>		
23 21 13 23-2155 EA 2-1/2" x 2" Copper Concentric Reducer, Grooved.....	87.58	17.55
23 21 13 23-2156 EA 3" x 2" Copper Concentric Reducer, Grooved.....	91.44	19.58
23 21 13 23-2157 EA 3" x 2-1/2" Copper Concentric Reducer, Grooved.....	98.92	23.24
23 21 13 23-2158 EA 4" x 2" Copper Concentric Reducer, Grooved.....	153.89	23.43
23 21 13 23-2159 EA 4" x 2-1/2" Copper Concentric Reducer, Grooved.....	157.27	25.07
23 21 13 23-2160 EA 4" x 3" Copper Concentric Reducer, Grooved.....	161.12	27.00
23 21 13 23-2161 EA 5" x 3" Copper Concentric Reducer, Grooved.....	363.03	30.86
23 21 13 23-2162 EA 5" x 4" Copper Concentric Reducer, Grooved.....	370.75	34.71
23 21 13 23-2163 EA 6" x 3" Copper Concentric Reducer, Grooved.....	399.47	36.64
23 21 13 23-2164 EA 6" x 4" Copper Concentric Reducer, Grooved.....	407.18	40.50
23 21 13 23-2165 EA 6" x 5" Copper Concentric Reducer, Grooved.....	414.90	44.35
23 21 13 23-2166 EA 8" x 6" Copper Concentric Reducer, Grooved.....	682.37	54.96
<b>23 21 13 23-2167 Grooved X Cup Concentric Reducers (23 21 13 23-2111)</b>		
23 21 13 23-2168 EA 2" x 1" Copper Concentric Reducer, Grooved X Cup.....	67.97	12.34
23 21 13 23-2169 EA 2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	68.93	12.82
23 21 13 23-2170 EA 2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	71.88	14.27
23 21 13 23-2171 EA 2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup.....	80.61	13.79
23 21 13 23-2172 EA 2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	81.56	14.27
23 21 13 23-2173 EA 2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	84.39	15.72
23 21 13 23-2174 EA 2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup.....	88.25	17.55
23 21 13 23-2175 EA 3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	101.09	17.55
23 21 13 23-2176 EA 3" x 2" Copper Concentric Reducer, Grooved X Cup.....	104.95	19.58
23 21 13 23-2177 EA 4" x 2" Copper Concentric Reducer, Grooved X Cup.....	169.07	23.34
<b>23 21 13 23-2178 Grooved Standard Couplings (23 21 13 23-2111)</b>		
23 21 13 23-2179 EA 2" Copper Standard Coupling, Grooved.....	28.36	7.90
23 21 13 23-2180 EA 2-1/2" Copper Standard Coupling, Grooved.....	33.64	9.64
23 21 13 23-2181 EA 3" Copper Standard Coupling, Grooved.....	38.81	11.47
23 21 13 23-2182 EA 4" Copper Standard Coupling, Grooved.....	55.03	15.42
23 21 13 23-2183 EA 5" Copper Standard Coupling, Grooved.....	79.76	19.19
23 21 13 23-2184 EA 6" Copper Standard Coupling, Grooved.....	104.88	25.07
23 21 13 23-2185 EA 8" Copper Standard Coupling, Grooved.....	144.87	29.89
<b>23 21 13 23-2186 Grooved Caps (23 21 13 23-2111)</b>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2187 EA 2" Copper Cap, Grooved .....	40.95	7.90
23 21 13 23-2188 EA 2-1/2" Copper Cap, Grooved .....	56.58	9.64
23 21 13 23-2189 EA 3" Copper Cap, Grooved .....	69.30	11.47
23 21 13 23-2190 EA 4" Copper Cap, Grooved .....	100.28	15.33
23 21 13 23-2191 EA 5" Copper Cap, Grooved .....	161.74	19.19
23 21 13 23-2192 EA 6" Copper Cap, Grooved .....	192.20	25.07
<b>23 21 13 23-2193 Grooved Valves</b> <small>(23 21 13 23-2110)</small>		
<b>23 21 13 23-2194 Grooved Butterfly Valves, Standard Trim, Without Operator</b> <small>(23 21 13 23-2193)</small>		
Note: Copper body.		
23 21 13 23-2195 EA 2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body .....	476.23	10.31
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2196 EA 3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body .....	540.90	15.33
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2197 EA 4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body .....	715.03	20.15
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2198 EA 6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body .....	952.80	33.07
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2199 EA 8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body .....	1,048.22	46.48
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
<b>23 21 13 23-2200 Grooved Butterfly Valves, Standard Trim, With Operator</b> <small>(23 21 13 23-2193)</small>		
Note: Copper body.		
23 21 13 23-2201 EA 2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body .....	582.29	10.31
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2202 EA 3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body .....	647.03	15.33
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2203 EA 4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body .....	821.16	20.15
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2204 EA 6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body .....	1,059.00	33.07
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2205 EA 8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body .....	1,154.35	46.48
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
<b>23 21 13 23-2206 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings</b> <small>(23 21 13 23)</small>		
Note: Socket or back weld.		
<b>23 21 13 23-2207 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings</b> <small>(23 21 13 23-2206)</small>		
Note: ASTM D1785 with D2466 fittings.		
<b>23 21 13 23-2208 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe</b> <small>(23 21 13 23-2207)</small>		
23 21 13 23-2209 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	4.48	2.76
For Work In Restricted Working Space, Add	1.24	
23 21 13 23-2210 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	5.62	3.44
For Work In Restricted Working Space, Add	1.55	
23 21 13 23-2211 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	6.15	3.67
For Work In Restricted Working Space, Add	1.65	
23 21 13 23-2212 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	6.78	3.95
For Work In Restricted Working Space, Add	1.78	
23 21 13 23-2213 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	7.00	4.02
For Work In Restricted Working Space, Add	1.81	
23 21 13 23-2214 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	8.53	4.81
For Work In Restricted Working Space, Add	2.17	
23 21 13 23-2215 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	10.65	5.72
For Work In Restricted Working Space, Add	2.57	
23 21 13 23-2216 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	13.06	6.92
For Work In Restricted Working Space, Add	3.11	
23 21 13 23-2217 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	19.45	10.36
For Work In Restricted Working Space, Add	4.67	
23 21 13 23-2218 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	27.54	13.82
For Work In Restricted Working Space, Add	6.22	
23 21 13 23-2219 LF 8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	35.04	16.47
For Work In Restricted Working Space, Add	7.42	
23 21 13 23-2220 LF 10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	59.17	18.41
For Work In Restricted Working Space, Add	8.27	
<b>23 21 13 23-2221 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows</b> <small>(23 21 13 23-2207)</small>		
23 21 13 23-2222 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	16.39	10.41
For Work In Restricted Working Space, Add	4.67	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2223	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	21.91 6.22	13.79
23 21	13 23-2224	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	27.79 7.71	17.16
23 21	13 23-2225	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	40.21 10.91	24.30
23 21	13 23-2226	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	45.11 12.31	27.38
23 21	13 23-2227	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	58.53 15.64	34.81
23 21	13 23-2228	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	96.61 23.14	51.49
23 21	13 23-2229	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	124.88 30.45	67.69
23 21	13 23-2230	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	162.32 36.16	80.41
23 21	13 23-2231	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	237.82 41.33	91.89
23 21	13 23-2232	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	418.37 48.21	107.22
23 21	13 23-2233	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	625.75 71.89	159.86
<b>23 21</b>	<b>13 23-2234</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows</b> <small>(23 21 13 23-2207)</small>		
23 21	13 23-2235	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	16.81 4.67	10.41
23 21	13 23-2236	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	22.74 6.22	13.79
23 21	13 23-2237	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	28.96 7.71	17.16
23 21	13 23-2238	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	40.96 10.91	24.30
23 21	13 23-2239	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	46.77 12.31	27.38
23 21	13 23-2240	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	59.61 15.64	34.81
23 21	13 23-2241	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	96.61 23.14	51.49
23 21	13 23-2242	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	131.88 30.45	67.69
23 21	13 23-2243	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	175.06 36.16	80.41
23 21	13 23-2244	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	238.99 41.33	91.89
23 21	13 23-2245	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	404.30 48.21	107.22
23 21	13 23-2246	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	625.75 71.89	159.86
<b>23 21</b>	<b>13 23-2247</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) Tees</b> <small>(23 21 13 23-2207)</small>		
23 21	13 23-2248	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	26.71 7.71	17.16
23 21	13 23-2249	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	32.18 9.33	20.73
23 21	13 23-2250	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	43.11 12.31	27.38
23 21	13 23-2251	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	55.45 15.64	34.81
23 21	13 23-2252	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	66.28 18.66	41.47
23 21	13 23-2253	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	83.04 23.14	51.49
23 21	13 23-2254	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	121.14 30.45	67.69
23 21	13 23-2255	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	146.26 36.16	80.41
23 21	13 23-2256	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	207.32 48.21	107.22
23 21	13 23-2257	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	364.54 62.21	138.27
23 21	13 23-2258	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	621.77 77.14	171.54
23 21	13 23-2259	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	1,811.13 115.28	256.28
<b>23 21</b>	<b>13 23-2260</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) Crosses</b> <small>(23 21 13 23-2207)</small>		
23 21	13 23-2261	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	33.71 9.64	21.40
23 21	13 23-2262	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	40.57 11.66	25.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2263 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	54.56 15.39	34.23
23 21 13 23-2264 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	70.37 19.55	43.48
23 21 13 23-2265 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	84.15 23.33	51.87
23 21 13 23-2266 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	105.69 28.93	64.31
23 21 13 23-2267 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	157.67 38.06	84.66
23 21 13 23-2268 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	190.98 45.20	100.47
23 21 13 23-2269 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	273.97 60.26	134.02
23 21 13 23-2270 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	505.49 77.73	172.79
23 21 13 23-2271 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	892.85 96.37	214.24
23 21 13 23-2272 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	2,717.33 144.17	320.50
<b>23 21 13 23-2273 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <small>(23 21 13 23-2207)</small></b>		
23 21 13 23-2274 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	16.88 4.84	10.61
23 21 13 23-2275 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	22.23 6.20	13.60
23 21 13 23-2276 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	29.67 8.28	18.23
23 21 13 23-2277 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	36.56 10.32	22.66
23 21 13 23-2278 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	45.07 12.42	27.29
23 21 13 23-2279 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	63.27 17.23	37.90
23 21 13 23-2280 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	88.13 23.82	52.35
23 21 13 23-2281 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	118.41 29.60	65.09
23 21 13 23-2282 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	163.82 34.44	75.78
23 21 13 23-2283 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	414.58 39.79	87.55
23 21 13 23-2284 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	490.91 53.38	117.44
<b>23 21 13 23-2285 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <small>(23 21 13 23-2207)</small></b>		
23 21 13 23-2286 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	17.31 4.67	10.41
23 21 13 23-2287 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	22.49 6.22	13.79
23 21 13 23-2288 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	27.87 7.71	17.16
23 21 13 23-2289 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	39.71 10.91	24.30
23 21 13 23-2290 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	44.86 12.31	27.38
23 21 13 23-2291 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	57.36 15.64	34.81
23 21 13 23-2292 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	84.71 23.14	51.49
23 21 13 23-2293 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	110.23 30.45	67.69
23 21 13 23-2294 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	140.26 36.16	80.41
<b>23 21 13 23-2295 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <small>(23 21 13 23-2207)</small></b>		
23 21 13 23-2296 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	17.89 4.67	10.41
23 21 13 23-2297 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	23.07 6.22	13.79
23 21 13 23-2298 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	29.04 7.71	17.16
23 21 13 23-2299 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	40.38 10.91	24.30
23 21 13 23-2300 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	46.36 12.31	27.38
23 21 13 23-2301 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	58.70 15.64	34.81

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2302	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	86.20 23.14	51.49
23 21	13 23-2303	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	114.81 30.45	67.69
23 21	13 23-2304	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	137.60 36.16	80.41
<b>23 21 13 23-2305 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters</b> <small>(23 21 13 23-2207)</small>					
23 21	13 23-2306	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	16.39 4.67	10.41
23 21	13 23-2307	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	21.82 6.22	13.79
23 21	13 23-2308	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	26.96 7.71	17.16
23 21	13 23-2309	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	38.38 10.91	24.30
23 21	13 23-2310	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	43.36 12.31	27.38
23 21	13 23-2311	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	55.28 15.64	34.81
23 21	13 23-2312	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	90.86 23.14	51.49
23 21	13 23-2313	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	119.97 30.45	67.69
23 21	13 23-2314	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	151.08 36.16	80.41
<b>23 21 13 23-2315 Schedule 40 Polyvinyl Chloride (PVC) P-Traps</b> <small>(23 21 13 23-2207)</small>					
23 21	13 23-2316	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps..... <i>For Work In Restricted Working Space, Add</i>	27.29 6.36	14.17
<b>23 21 13 23-2317 Schedule 40 Polyvinyl Chloride (PVC) Couplings</b> <small>(23 21 13 23-2207)</small>					
23 21	13 23-2318	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	16.06 4.67	10.41
23 21	13 23-2319	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	21.41 6.22	13.79
23 21	13 23-2320	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	26.96 7.71	17.16
23 21	13 23-2321	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	38.05 10.91	24.30
23 21	13 23-2322	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	42.86 12.31	27.38
23 21	13 23-2323	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	54.95 15.64	34.81
23 21	13 23-2324	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	83.46 23.14	51.49
23 21	13 23-2325	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	111.40 30.45	67.69
23 21	13 23-2326	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	134.93 36.16	80.41
23 21	13 23-2327	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	183.37 41.33	91.89
23 21	13 23-2328	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	245.95 48.21	107.22
23 21	13 23-2329	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	563.53 51.68	114.93
<b>23 21 13 23-2330 Schedule 40 Polyvinyl Chloride (PVC) Unions</b> <small>(23 21 13 23-2207)</small>					
23 21	13 23-2331	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	31.10 7.71	17.16
23 21	13 23-2332	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	45.17 9.33	20.73
23 21	13 23-2333	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	56.76 12.31	27.38
23 21	13 23-2334	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	90.42 15.64	34.81
23 21	13 23-2335	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	102.16 18.66	41.47
23 21	13 23-2336	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	130.99 23.14	51.49
23 21	13 23-2337	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	199.23 30.45	67.69
23 21	13 23-2338	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	224.10 36.16	80.41
23 21	13 23-2339	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	366.08 48.21	107.22
23 21	13 23-2340	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	482.58 62.18	138.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2341 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	711.20 77.10	171.44
23 21 13 23-2342 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	1,067.77 95.73	212.80
<b>23 21 13 23-2343 Schedule 40 Polyvinyl Chloride (PVC) Caps</b> <small>(23 21 13 23-2207)</small>		
23 21 13 23-2344 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	7.77 2.13	4.69
23 21 13 23-2345 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	10.17 2.80	6.17
23 21 13 23-2346 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	12.90 3.47	7.62
23 21 13 23-2347 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	18.44 4.98	10.95
23 21 13 23-2348 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	20.47 5.54	12.15
23 21 13 23-2349 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	25.86 7.04	15.53
23 21 13 23-2350 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	42.62 10.41	22.95
23 21 13 23-2351 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	54.25 13.70	30.18
23 21 13 23-2352 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	73.89 16.27	35.77
23 21 13 23-2353 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	109.03 18.60	40.88
23 21 13 23-2354 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	229.67 21.70	47.73
23 21 13 23-2355 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	690.02 32.35	71.16
<b>23 21 13 23-2356 Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges</b> <small>(23 21 13 23-2207)</small>		
23 21 13 23-2357 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges ..... <i>For Work In Restricted Working Space, Add</i>	42.44 7.71	17.16
23 21 13 23-2358 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	56.74 9.33	20.73
23 21 13 23-2359 EA 1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	69.58 12.31	27.38
23 21 13 23-2360 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	81.51 15.64	34.81
23 21 13 23-2361 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	92.25 18.66	41.47
23 21 13 23-2362 EA 2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	117.09 23.14	51.49
23 21 13 23-2363 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	163.18 30.45	67.69
23 21 13 23-2364 EA 3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	188.63 36.16	80.41
23 21 13 23-2365 EA 4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	246.95 48.21	107.22
23 21 13 23-2366 EA 6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	342.88 62.18	138.27
23 21 13 23-2367 EA 8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	562.93 77.10	171.44
23 21 13 23-2368 EA 10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	1,008.16 95.58	212.51
<b>23 21 13 23-2369 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings</b> <small>(23 21 13 23-2206)</small> Note: ASTM D1785 with D2467 fittings.		
<b>23 21 13 23-2370 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe</b> <small>(23 21 13 23-2369)</small>		
23 21 13 23-2371 LF 1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	4.58 1.24	2.79
23 21 13 23-2372 LF 3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	5.74 1.55	3.47
23 21 13 23-2373 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	7.04 1.86	4.14
23 21 13 23-2374 LF 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	8.39 2.18	4.82
23 21 13 23-2375 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	9.64 2.48	5.49
23 21 13 23-2376 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	12.34 3.11	6.95
23 21 13 23-2377 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	14.36 3.42	7.62
23 21 13 23-2378 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	16.36 3.73	8.30
23 21 13 23-2379 LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	21.32 4.67	10.41
23 21 13 23-2380 LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	31.68 6.22	13.79

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2381	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe .....	41.39	16.48
			<i>For Work In Restricted Working Space, Add</i>	7.42	
23 21	13 23-2382	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe .....	77.98	17.74
			<i>For Work In Restricted Working Space, Add</i>	7.99	
<b>23 21</b>	<b>13 23-2383</b>		<b>Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows</b> <small>(23 21 13 23-2369)</small>		
23 21	13 23-2384	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	18.56	10.41
			<i>For Work In Restricted Working Space, Add</i>	4.67	
			<i>For Threaded Fittings, Add</i>	2.33	
23 21	13 23-2385	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	24.65	13.79
			<i>For Work In Restricted Working Space, Add</i>	6.22	
			<i>For Threaded Fittings, Add</i>	3.11	
23 21	13 23-2386	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	32.04	17.16
			<i>For Work In Restricted Working Space, Add</i>	7.71	
			<i>For Threaded Fittings, Add</i>	3.86	
23 21	13 23-2387	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	44.79	24.30
			<i>For Work In Restricted Working Space, Add</i>	10.91	
			<i>For Threaded Fittings, Add</i>	5.46	
23 21	13 23-2388	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	50.02	27.38
			<i>For Work In Restricted Working Space, Add</i>	12.31	
			<i>For Threaded Fittings, Add</i>	6.15	
23 21	13 23-2389	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	63.03	34.81
			<i>For Work In Restricted Working Space, Add</i>	15.64	
			<i>For Threaded Fittings, Add</i>	7.82	
23 21	13 23-2390	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	102.69	51.49
			<i>For Work In Restricted Working Space, Add</i>	23.14	
			<i>For Threaded Fittings, Add</i>	11.57	
23 21	13 23-2391	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	130.21	67.69
			<i>For Work In Restricted Working Space, Add</i>	30.45	
			<i>For Threaded Fittings, Add</i>	15.22	
23 21	13 23-2392	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	164.15	80.41
			<i>For Work In Restricted Working Space, Add</i>	36.16	
			<i>For Threaded Fittings, Add</i>	18.08	
23 21	13 23-2393	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	295.35	91.89
			<i>For Work In Restricted Working Space, Add</i>	41.33	
			<i>For Threaded Fittings, Add</i>	20.66	
23 21	13 23-2394	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	503.29	107.22
			<i>For Work In Restricted Working Space, Add</i>	48.21	
			<i>For Threaded Fittings, Add</i>	24.11	
23 21	13 23-2395	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	625.75	159.86
			<i>For Work In Restricted Working Space, Add</i>	71.89	
			<i>For Threaded Fittings, Add</i>	35.94	
<b>23 21</b>	<b>13 23-2396</b>		<b>Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows</b> <small>(23 21 13 23-2369)</small>		
23 21	13 23-2397	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	21.30	10.41
			<i>For Work In Restricted Working Space, Add</i>	4.67	
			<i>For Threaded Fittings, Add</i>	2.33	
23 21	13 23-2398	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	29.48	13.79
			<i>For Work In Restricted Working Space, Add</i>	6.22	
			<i>For Threaded Fittings, Add</i>	3.11	
23 21	13 23-2399	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	38.86	17.16
			<i>For Work In Restricted Working Space, Add</i>	7.71	
			<i>For Threaded Fittings, Add</i>	3.86	
23 21	13 23-2400	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	53.20	24.30
			<i>For Work In Restricted Working Space, Add</i>	10.91	
			<i>For Threaded Fittings, Add</i>	5.46	
23 21	13 23-2401	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	60.84	27.38
			<i>For Work In Restricted Working Space, Add</i>	12.31	
			<i>For Threaded Fittings, Add</i>	6.15	
23 21	13 23-2402	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	77.85	34.81
			<i>For Work In Restricted Working Space, Add</i>	15.64	
			<i>For Threaded Fittings, Add</i>	7.82	
23 21	13 23-2403	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	131.25	51.49
			<i>For Work In Restricted Working Space, Add</i>	23.14	
			<i>For Threaded Fittings, Add</i>	11.57	
23 21	13 23-2404	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	167.35	67.69
			<i>For Work In Restricted Working Space, Add</i>	30.45	
			<i>For Threaded Fittings, Add</i>	15.22	
23 21	13 23-2405	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	239.17	80.41
			<i>For Work In Restricted Working Space, Add</i>	36.16	
			<i>For Threaded Fittings, Add</i>	18.08	
23 21	13 23-2406	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	287.12	91.89
			<i>For Work In Restricted Working Space, Add</i>	41.33	
			<i>For Threaded Fittings, Add</i>	20.66	
23 21	13 23-2407	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	484.57	107.22
			<i>For Work In Restricted Working Space, Add</i>	48.21	
			<i>For Threaded Fittings, Add</i>	24.11	
23 21	13 23-2408	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	604.71	159.86
			<i>For Work In Restricted Working Space, Add</i>	71.89	
			<i>For Threaded Fittings, Add</i>	35.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 13 23-2409 Schedule 80 Polyvinyl Chloride (PVC) Tees</b> <small>(23 21 13 23-2369)</small>		
23 21 13 23-2410 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees .....	32.99	16.29
For Work In Restricted Working Space, Add	7.32	
For Threaded Fittings, Add	3.66	
23 21 13 23-2411 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees .....	40.09	20.73
For Work In Restricted Working Space, Add	9.33	
For Threaded Fittings, Add	4.67	
23 21 13 23-2412 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees .....	52.27	27.38
For Work In Restricted Working Space, Add	12.31	
For Threaded Fittings, Add	6.15	
23 21 13 23-2413 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees .....	83.18	34.81
For Work In Restricted Working Space, Add	15.64	
For Threaded Fittings, Add	7.82	
23 21 13 23-2414 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees .....	93.26	41.47
For Work In Restricted Working Space, Add	18.66	
For Threaded Fittings, Add	9.33	
23 21 13 23-2415 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees .....	116.01	51.49
For Work In Restricted Working Space, Add	23.14	
For Threaded Fittings, Add	11.57	
23 21 13 23-2416 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees .....	143.79	67.69
For Work In Restricted Working Space, Add	30.45	
For Threaded Fittings, Add	15.22	
23 21 13 23-2417 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees .....	173.32	80.41
For Work In Restricted Working Space, Add	36.16	
For Threaded Fittings, Add	18.08	
23 21 13 23-2418 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees .....	221.89	107.22
For Work In Restricted Working Space, Add	48.21	
For Threaded Fittings, Add	24.11	
23 21 13 23-2419 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees .....	416.42	138.27
For Work In Restricted Working Space, Add	62.21	
For Threaded Fittings, Add	31.10	
23 21 13 23-2420 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Tees .....	742.02	171.54
For Work In Restricted Working Space, Add	77.14	
For Threaded Fittings, Add	38.57	
23 21 13 23-2421 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Tees .....	1,811.23	256.28
For Work In Restricted Working Space, Add	115.28	
For Threaded Fittings, Add	57.64	
<b>23 21 13 23-2422 Schedule 80 Polyvinyl Chloride (PVC) Crosses</b> <small>(23 21 13 23-2369)</small>		
23 21 13 23-2423 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses .....	43.96	20.34
For Work In Restricted Working Space, Add	9.16	
For Threaded Fittings, Add	4.58	
23 21 13 23-2424 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses .....	52.96	25.94
For Work In Restricted Working Space, Add	11.66	
For Threaded Fittings, Add	5.83	
23 21 13 23-2425 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Crosses .....	68.91	34.23
For Work In Restricted Working Space, Add	15.39	
For Threaded Fittings, Add	7.69	
23 21 13 23-2426 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses .....	113.83	43.48
For Work In Restricted Working Space, Add	19.55	
For Threaded Fittings, Add	9.77	
23 21 13 23-2427 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses .....	126.44	51.87
For Work In Restricted Working Space, Add	23.33	
For Threaded Fittings, Add	11.66	
23 21 13 23-2428 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Crosses .....	157.37	64.31
For Work In Restricted Working Space, Add	28.93	
For Threaded Fittings, Add	14.46	
23 21 13 23-2429 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses .....	193.18	84.66
For Work In Restricted Working Space, Add	38.06	
For Threaded Fittings, Add	19.03	
23 21 13 23-2430 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Crosses .....	233.41	100.47
For Work In Restricted Working Space, Add	45.20	
For Threaded Fittings, Add	22.60	
23 21 13 23-2431 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Crosses .....	296.81	134.02
For Work In Restricted Working Space, Add	60.26	
For Threaded Fittings, Add	30.13	
23 21 13 23-2432 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Crosses .....	586.82	172.79
For Work In Restricted Working Space, Add	77.73	
For Threaded Fittings, Add	38.86	
23 21 13 23-2433 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Crosses .....	1,081.35	214.24
For Work In Restricted Working Space, Add	96.37	
For Threaded Fittings, Add	48.18	
23 21 13 23-2434 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Crosses .....	2,717.48	320.50
For Work In Restricted Working Space, Add	144.17	
For Threaded Fittings, Add	72.09	
<b>23 21 13 23-2435 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts</b> <small>(23 21 13 23-2369)</small>		
23 21 13 23-2436 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts .....	22.49	13.79
For Work In Restricted Working Space, Add	6.22	
23 21 13 23-2437 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts .....	30.79	17.16
For Work In Restricted Working Space, Add	7.71	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2438	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	44.37 10.91	24.30
23 21	13 23-2439	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	51.94 12.31	27.38
23 21	13 23-2440	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	67.69 15.64	34.81
23 21	13 23-2441	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	104.10 23.14	51.49
23 21	13 23-2442	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	144.36 30.45	67.69
23 21	13 23-2443	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	179.97 36.16	80.41
23 21	13 23-2444	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	203.68 41.33	91.89
23 21	13 23-2445	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	307.05 48.21	107.22
23 21	13 23-2446	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	499.71 56.01	124.48
<b>23 21 13 23-2447 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2369)</b>					
23 21	13 23-2448	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	16.14 4.67	10.41
23 21	13 23-2449	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	23.99 6.22	13.79
23 21	13 23-2450	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	30.79 7.71	17.16
23 21	13 23-2451	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	46.70 10.91	24.30
23 21	13 23-2452	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	54.02 12.31	27.38
23 21	13 23-2453	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	68.02 15.64	34.81
23 21	13 23-2454	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	110.76 23.14	51.49
23 21	13 23-2455	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	163.76 30.45	67.69
23 21	13 23-2456	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	216.27 36.16	80.41
<b>23 21 13 23-2457 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2369)</b>					
23 21	13 23-2458	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	22.64 4.67	10.41
23 21	13 23-2459	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	28.57 6.22	13.79
23 21	13 23-2460	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	39.36 7.71	17.16
23 21	13 23-2461	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	52.37 10.91	24.30
23 21	13 23-2462	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	64.01 12.31	27.38
23 21	13 23-2463	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	82.09 15.64	34.81
23 21	13 23-2464	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	111.26 23.14	51.49
23 21	13 23-2465	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	139.37 30.45	67.69
23 21	13 23-2466	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	187.88 36.16	80.41
<b>23 21 13 23-2467 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters (23 21 13 23-2369)</b>					
23 21	13 23-2468	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	20.72 4.67	10.41
23 21	13 23-2469	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	28.40 6.22	13.79
23 21	13 23-2470	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	37.03 7.71	17.16
23 21	13 23-2471	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters ..... <i>For Work In Restricted Working Space, Add</i>	54.78 10.91	24.30
23 21	13 23-2472	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters ..... <i>For Work In Restricted Working Space, Add</i>	63.59 12.31	27.38
23 21	13 23-2473	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	91.41 15.64	34.81
23 21	13 23-2474	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters ..... <i>For Work In Restricted Working Space, Add</i>	139.24 23.14	51.49
23 21	13 23-2475	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	171.42 30.45	67.69
23 21	13 23-2476	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	240.74 36.16	80.41





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 13 23-2477 Schedule 80 Polyvinyl Chloride (PVC) Couplings</b> <small>(23 21 13 23-2369)</small>		
23 21 13 23-2478 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	21.05	10.41
<i>For Work In Restricted Working Space, Add</i>	4.67	
<i>For Threaded Fittings, Add</i>	2.33	
23 21 13 23-2479 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	28.15	13.79
<i>For Work In Restricted Working Space, Add</i>	6.22	
<i>For Threaded Fittings, Add</i>	3.11	
23 21 13 23-2480 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	33.37	17.16
<i>For Work In Restricted Working Space, Add</i>	7.71	
<i>For Threaded Fittings, Add</i>	3.86	
23 21 13 23-2481 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings .....	48.12	24.30
<i>For Work In Restricted Working Space, Add</i>	10.91	
<i>For Threaded Fittings, Add</i>	5.46	
23 21 13 23-2482 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings .....	53.68	27.38
<i>For Work In Restricted Working Space, Add</i>	12.31	
<i>For Threaded Fittings, Add</i>	6.15	
23 21 13 23-2483 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	65.61	34.81
<i>For Work In Restricted Working Space, Add</i>	15.64	
<i>For Threaded Fittings, Add</i>	7.82	
23 21 13 23-2484 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings .....	110.51	51.49
<i>For Work In Restricted Working Space, Add</i>	23.14	
<i>For Threaded Fittings, Add</i>	11.57	
23 21 13 23-2485 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	139.87	67.69
<i>For Work In Restricted Working Space, Add</i>	30.45	
<i>For Threaded Fittings, Add</i>	15.22	
23 21 13 23-2486 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	168.65	80.41
<i>For Work In Restricted Working Space, Add</i>	36.16	
<i>For Threaded Fittings, Add</i>	18.08	
23 21 13 23-2487 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	241.23	91.89
<i>For Work In Restricted Working Space, Add</i>	41.33	
<i>For Threaded Fittings, Add</i>	20.66	
23 21 13 23-2488 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	301.56	107.22
<i>For Work In Restricted Working Space, Add</i>	48.21	
<i>For Threaded Fittings, Add</i>	24.11	
23 21 13 23-2489 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	588.50	114.93
<i>For Work In Restricted Working Space, Add</i>	51.68	
<i>For Threaded Fittings, Add</i>	25.84	
<b>23 21 13 23-2490 Schedule 80 Polyvinyl Chloride (PVC) Unions</b> <small>(23 21 13 23-2369)</small>		
23 21 13 23-2491 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	38.03	17.16
<i>For Work In Restricted Working Space, Add</i>	7.71	
23 21 13 23-2492 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	45.34	20.73
<i>For Work In Restricted Working Space, Add</i>	9.33	
23 21 13 23-2493 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	57.26	27.38
<i>For Work In Restricted Working Space, Add</i>	12.31	
23 21 13 23-2494 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	92.75	34.81
<i>For Work In Restricted Working Space, Add</i>	15.64	
23 21 13 23-2495 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	114.48	41.47
<i>For Work In Restricted Working Space, Add</i>	18.66	
23 21 13 23-2496 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	147.98	51.49
<i>For Work In Restricted Working Space, Add</i>	23.14	
23 21 13 23-2497 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	233.40	67.69
<i>For Work In Restricted Working Space, Add</i>	30.45	
23 21 13 23-2498 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	290.56	80.41
<i>For Work In Restricted Working Space, Add</i>	36.16	
23 21 13 23-2499 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	366.58	107.22
<i>For Work In Restricted Working Space, Add</i>	48.21	
23 21 13 23-2500 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	482.58	138.27
<i>For Work In Restricted Working Space, Add</i>	62.18	
23 21 13 23-2501 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	711.20	171.44
<i>For Work In Restricted Working Space, Add</i>	77.10	
23 21 13 23-2502 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	1,067.27	212.51
<i>For Work In Restricted Working Space, Add</i>	95.58	
<b>23 21 13 23-2503 Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions</b> <small>(23 21 13 23-2369)</small>		
23 21 13 23-2504 EA 1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	39.34	21.42
23 21 13 23-2505 EA 3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	47.19	24.78
23 21 13 23-2506 EA 1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	57.35	29.22
23 21 13 23-2507 EA 1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union .....	77.83	34.81
23 21 13 23-2508 EA 1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union .....	93.91	41.47
23 21 13 23-2509 EA 2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	125.54	51.49
23 21 13 23-2510 EA 3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	272.22	99.80
23 21 13 23-2511 EA 4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	294.55	110.70
<b>23 21 13 23-2512 Schedule 80 Polyvinyl Chloride (PVC) Caps</b> <small>(23 21 13 23-2369)</small>		
23 21 13 23-2513 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps .....	14.74	4.63
<i>For Work In Restricted Working Space, Add</i>	2.10	
<i>For Threaded Fittings, Add</i>	1.05	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2514	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	17.50 2.80 1.40	6.17
23 21	13 23-2515	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	26.06 3.47 1.74	7.62
23 21	13 23-2516	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	33.85 4.91 2.46	10.80
23 21	13 23-2517	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	35.95 5.54 2.77	12.15
23 21	13 23-2518	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	49.67 7.04 3.52	15.53
23 21	13 23-2519	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	88.57 10.41 5.21	22.95
23 21	13 23-2520	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	111.53 13.70 6.85	30.18
23 21	13 23-2521	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	160.14 16.27 8.14	35.77
23 21	13 23-2522	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	325.07 18.60 9.30	40.88
23 21	13 23-2523	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	433.72 21.70 10.85	47.73
23 21	13 23-2524	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	773.27 32.35 16.17	71.16
<b>23 21</b>	<b>13 23-2525</b>		<b>Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges</b> <small>(23 21 13 23-2369)</small>		
23 21	13 23-2526	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	49.60 7.71 3.86	17.16
23 21	13 23-2527	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	56.74 9.33 4.67	20.73
23 21	13 23-2528	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	69.59 12.31 6.15	27.38
23 21	13 23-2529	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	81.51 15.64 7.82	34.81
23 21	13 23-2530	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	92.25 18.66 9.33	41.47
23 21	13 23-2531	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	117.09 23.14 11.57	51.49
23 21	13 23-2532	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	163.18 30.45 15.22	67.69
23 21	13 23-2533	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	188.63 36.16 18.08	80.41
23 21	13 23-2534	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	246.95 48.21 24.11	107.22
23 21	13 23-2535	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	342.89 62.18 31.09	138.27
23 21	13 23-2536	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	562.94 77.10 38.55	171.44
23 21	13 23-2537	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,008.16 95.58 47.79	212.51
<b>23 21</b>	<b>13 23-2538</b>		<b>Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe</b> <small>(23 21 13 23-2206)</small>		
			Note: In place pipe.		
23 21	13 23-2539	EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	5.24 1.57	
23 21	13 23-2540	EA	3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	5.65 1.70	
23 21	13 23-2541	EA	1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.36 1.91	
23 21	13 23-2542	EA	1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.67 2.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2543 EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	7.06 2.12	
23 21 13 23-2544 EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	7.78 2.33	
23 21 13 23-2545 EA 2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	8.37 2.51	
23 21 13 23-2546 EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	9.89 2.97	
23 21 13 23-2547 EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	13.35 4.01	
23 21 13 23-2548 EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	19.07 5.72	
23 21 13 23-2549 EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	25.44 7.63	
23 21 13 23-2550 EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	31.11 9.33	
<b>23 21 13 23-2551 Polyethylene Pipe And Fittings</b> <small>(23 21 13 23)</small>		
<b>23 21 13 23-2552 Small Diameter Tubing</b> <small>(23 21 13 23-2551)</small>		
<b>23 21 13 23-2553 Tubing</b> <small>(23 21 13 23-2552)</small>		
23 21 13 23-2554 LF 1/4" Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	3.09 0.87	
23 21 13 23-2555 LF 5/16" Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	3.30 0.89	
23 21 13 23-2556 LF 3/8" Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	3.46 0.91	
23 21 13 23-2557 LF 1/2" Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	3.59 0.98	
<b>23 21 13 23-2558 Chrome Plated Pipe</b> <small>(23 21 13 23)</small>		
<b>23 21 13 23-2559 Chrome Plated Nipples</b> <small>(23 21 13 23-2558)</small>		
<b>23 21 13 23-2560 Close</b> <small>(23 21 13 23-2559)</small>		
23 21 13 23-2561 EA 1/4" Diameter Chrome Plated Nipple, Close.....	19.51	8.37
23 21 13 23-2562 EA 3/8" Diameter Chrome Plated Nipple, Close.....	18.38	9.11
23 21 13 23-2563 EA 1/2" Diameter Chrome Plated Nipple, Close.....	23.06	10.47
23 21 13 23-2564 EA 3/4" Diameter Chrome Plated Nipple, Close.....	30.37	13.30
23 21 13 23-2565 EA 1" Diameter Chrome Plated Nipple, Close.....	40.76	17.48
23 21 13 23-2566 EA 1-1/4" Diameter Chrome Plated Nipple, Close.....	57.81	24.39
23 21 13 23-2567 EA 1-1/2" Diameter Chrome Plated Nipple, Close.....	70.85	28.59
23 21 13 23-2568 EA 2" Diameter Chrome Plated Nipple, Close.....	91.66	35.60
<b>23 21 13 23-2569 1-1/2" Nipples</b> <small>(23 21 13 23-2559)</small>		
23 21 13 23-2570 EA 1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	20.90	8.69
23 21 13 23-2571 EA 3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	19.45	9.42
23 21 13 23-2572 EA 1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	23.61	10.78
23 21 13 23-2573 EA 3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	31.48	13.61
<b>23 21 13 23-2574 2" Nipples</b> <small>(23 21 13 23-2559)</small>		
23 21 13 23-2575 EA 1/4" Diameter, 2" Length, Chrome Plated Nipple.....	21.73	9.11
23 21 13 23-2576 EA 3/8" Diameter, 2" Length, Chrome Plated Nipple.....	20.11	9.73
23 21 13 23-2577 EA 1/2" Diameter, 2" Length, Chrome Plated Nipple.....	25.56	11.20
23 21 13 23-2578 EA 3/4" Diameter, 2" Length, Chrome Plated Nipple.....	33.13	13.93
23 21 13 23-2579 EA 1" Diameter, 2" Length, Chrome Plated Nipple.....	43.19	18.12
23 21 13 23-2580 EA 1-1/4" Diameter, 2" Length, Chrome Plated Nipple.....	61.91	25.13
23 21 13 23-2581 EA 1-1/2" Diameter, 2" Length, Chrome Plated Nipple.....	75.62	29.31
<b>23 21 13 23-2582 2-1/2" Nipples</b> <small>(23 21 13 23-2559)</small>		
23 21 13 23-2583 EA 1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	23.04	9.42
23 21 13 23-2584 EA 3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	20.85	10.16
23 21 13 23-2585 EA 1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	26.70	11.52
23 21 13 23-2586 EA 3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	33.92	14.35
23 21 13 23-2587 EA 1" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	44.46	18.53
23 21 13 23-2588 EA 1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	65.94	25.44
23 21 13 23-2589 EA 1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	81.04	29.63
23 21 13 23-2590 EA 2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	103.39	36.65
<b>23 21 13 23-2591 3" Nipples</b> <small>(23 21 13 23-2559)</small>		
23 21 13 23-2592 EA 1/4" Diameter, 3" Length, Chrome Plated Nipple.....	24.02	9.73
23 21 13 23-2593 EA 3/8" Diameter, 3" Length, Chrome Plated Nipple.....	22.16	10.47
23 21 13 23-2594 EA 1/2" Diameter, 3" Length, Chrome Plated Nipple.....	26.41	11.20
23 21 13 23-2595 EA 3/4" Diameter, 3" Length, Chrome Plated Nipple.....	36.84	14.66
23 21 13 23-2596 EA 1" Diameter, 3" Length, Chrome Plated Nipple.....	50.51	18.84

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21	13 23-2597	EA	1-1/4" Diameter, 3" Length, Chrome Plated Nipple.....	70.34	25.86
23 21	13 23-2598	EA	1-1/2" Diameter, 3" Length, Chrome Plated Nipple.....	93.90	30.05
23 21	13 23-2599	EA	2" Diameter, 3" Length, Chrome Plated Nipple.....	113.45	37.06
<b>23 21</b>	<b>13 23-2600</b>		<b>3-1/2" Nipples (23 21 13 23-2599)</b>		
23 21	13 23-2601	EA	1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	25.13	10.16
23 21	13 23-2602	EA	3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	24.46	10.78
23 21	13 23-2603	EA	1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	29.13	12.25
23 21	13 23-2604	EA	3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	41.20	14.97
23 21	13 23-2605	EA	1" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	52.78	19.15
23 21	13 23-2606	EA	1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	79.09	26.18
23 21	13 23-2607	EA	1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	97.71	30.36
23 21	13 23-2608	EA	2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	121.45	37.37
<b>23 21</b>	<b>13 23-2609</b>		<b>4" Nipples (23 21 13 23-2599)</b>		
23 21	13 23-2610	EA	1/4" Diameter, 4" Length, Chrome Plated Nipple.....	26.24	10.47
23 21	13 23-2611	EA	3/8" Diameter, 4" Length, Chrome Plated Nipple.....	25.05	11.20
23 21	13 23-2612	EA	1/2" Diameter, 4" Length, Chrome Plated Nipple.....	29.52	11.83
23 21	13 23-2613	EA	3/4" Diameter, 4" Length, Chrome Plated Nipple.....	42.86	15.39
23 21	13 23-2614	EA	1" Diameter, 4" Length, Chrome Plated Nipple.....	54.94	19.58
23 21	13 23-2615	EA	1-1/4" Diameter, 4" Length, Chrome Plated Nipple.....	85.73	26.49
23 21	13 23-2616	EA	1-1/2" Diameter, 4" Length, Chrome Plated Nipple.....	105.59	30.67
23 21	13 23-2617	EA	2" Diameter, 4" Length, Chrome Plated Nipple.....	131.23	37.70
<b>23 21</b>	<b>13 23-2618</b>		<b>4-1/2" Nipples (23 21 13 23-2599)</b>		
23 21	13 23-2619	EA	1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	27.22	10.78
23 21	13 23-2620	EA	3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	27.34	11.52
23 21	13 23-2621	EA	1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	32.40	12.88
23 21	13 23-2622	EA	3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	44.78	15.71
23 21	13 23-2623	EA	1" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	62.64	19.89
23 21	13 23-2624	EA	1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	92.10	26.90
23 21	13 23-2625	EA	1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	109.06	31.10
23 21	13 23-2626	EA	2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	140.22	38.11
<b>23 21</b>	<b>13 23-2627</b>		<b>5" Nipples (23 21 13 23-2599)</b>		
23 21	13 23-2628	EA	1/4" Diameter, 5" Length, Chrome Plated Nipple.....	30.81	11.20
23 21	13 23-2629	EA	3/8" Diameter, 5" Length, Chrome Plated Nipple.....	28.75	11.83
23 21	13 23-2630	EA	1/2" Diameter, 5" Length, Chrome Plated Nipple.....	33.60	13.30
23 21	13 23-2631	EA	3/4" Diameter, 5" Length, Chrome Plated Nipple.....	46.61	16.02
23 21	13 23-2632	EA	1" Diameter, 5" Length, Chrome Plated Nipple.....	67.28	20.20
23 21	13 23-2633	EA	1-1/4" Diameter, 5" Length, Chrome Plated Nipple.....	97.88	27.23
23 21	13 23-2634	EA	1-1/2" Diameter, 5" Length, Chrome Plated Nipple.....	116.98	31.41
23 21	13 23-2635	EA	2" Diameter, 5" Length, Chrome Plated Nipple.....	145.99	38.42
<b>23 21</b>	<b>13 23-2636</b>		<b>5-1/2" Nipples (23 21 13 23-2599)</b>		
23 21	13 23-2637	EA	1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	31.83	11.52
23 21	13 23-2638	EA	3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	29.83	12.25
23 21	13 23-2639	EA	1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	37.18	13.61
23 21	13 23-2640	EA	3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	48.44	16.43
23 21	13 23-2641	EA	1" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	69.66	20.63
23 21	13 23-2642	EA	1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	104.90	27.54
23 21	13 23-2643	EA	1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	123.28	31.72
23 21	13 23-2644	EA	2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	153.36	38.73
<b>23 21</b>	<b>13 23-2645</b>		<b>6" Nipples (23 21 13 23-2599)</b>		
23 21	13 23-2646	EA	1/4" Diameter, 6" Length, Chrome Plated Nipple.....	33.03	11.83
23 21	13 23-2647	EA	3/8" Diameter, 6" Length, Chrome Plated Nipple.....	30.38	12.57
23 21	13 23-2648	EA	1/2" Diameter, 6" Length, Chrome Plated Nipple.....	38.28	13.93
23 21	13 23-2649	EA	3/4" Diameter, 6" Length, Chrome Plated Nipple.....	49.91	16.75
23 21	13 23-2650	EA	1" Diameter, 6" Length, Chrome Plated Nipple.....	77.12	20.94
23 21	13 23-2651	EA	1-1/4" Diameter, 6" Length, Chrome Plated Nipple.....	109.17	27.95
23 21	13 23-2652	EA	1-1/2" Diameter, 6" Length, Chrome Plated Nipple.....	133.02	32.14
23 21	13 23-2653	EA	2" Diameter, 6" Length, Chrome Plated Nipple.....	160.12	39.16
<b>23 21</b>	<b>13 23-2654</b>		<b>8" Nipples (23 21 13 23-2599)</b>		
23 21	13 23-2655	EA	3/8" Diameter, 8" Length, Chrome Plated Nipple.....	36.89	13.30
23 21	13 23-2656	EA	1/2" Diameter, 8" Length, Chrome Plated Nipple.....	56.36	14.66
23 21	13 23-2657	EA	3/4" Diameter, 8" Length, Chrome Plated Nipple.....	68.65	17.48
23 21	13 23-2658	EA	1" Diameter, 8" Length, Chrome Plated Nipple.....	91.83	21.67
23 21	13 23-2659	EA	1-1/4" Diameter, 8" Length, Chrome Plated Nipple.....	132.66	28.59
23 21	13 23-2660	EA	1-1/2" Diameter, 8" Length, Chrome Plated Nipple.....	163.82	32.77
23 21	13 23-2661	EA	2" Diameter, 8" Length, Chrome Plated Nipple.....	202.09	39.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 13 23-2662</b> <b>10" Nipples</b> <small>(23 21 13 23-2559)</small>		
23 21 13 23-2663 EA 3/8" Diameter, 10" Length, Chrome Plated Nipple.....	43.32	13.30
23 21 13 23-2664 EA 1/2" Diameter, 10" Length, Chrome Plated Nipple.....	64.45	14.66
23 21 13 23-2665 EA 3/4" Diameter, 10" Length, Chrome Plated Nipple.....	78.03	17.48
23 21 13 23-2666 EA 1" Diameter, 10" Length, Chrome Plated Nipple.....	106.02	21.67
23 21 13 23-2667 EA 1-1/4" Diameter, 10" Length, Chrome Plated Nipple.....	163.03	28.59
23 21 13 23-2668 EA 1-1/2" Diameter, 10" Length, Chrome Plated Nipple.....	186.95	32.77
23 21 13 23-2669 EA 2" Diameter, 10" Length, Chrome Plated Nipple.....	239.08	39.78
<b>23 21 13 23-2670</b> <b>12" Nipples</b> <small>(23 21 13 23-2559)</small>		
23 21 13 23-2671 EA 3/8" Diameter, 12" Length, Chrome Plated Nipple.....	48.38	14.66
23 21 13 23-2672 EA 1/2" Diameter, 12" Length, Chrome Plated Nipple.....	67.47	15.39
23 21 13 23-2673 EA 3/4" Diameter, 12" Length, Chrome Plated Nipple.....	86.61	18.12
23 21 13 23-2674 EA 1" Diameter, 12" Length, Chrome Plated Nipple.....	125.35	23.03
23 21 13 23-2675 EA 1-1/4" Diameter, 12" Length, Chrome Plated Nipple.....	183.69	30.05
23 21 13 23-2676 EA 2" Diameter, 12" Length, Chrome Plated Nipple.....	270.76	41.25
<b>23 21 13 23-2677</b> <b>18" Nipples</b> <small>(23 21 13 23-2559)</small>		
23 21 13 23-2678 EA 3/8" Diameter, 18" Length, Chrome Plated Nipple.....	62.95	15.39
<b>23 21 13 23-2679</b> <b>24" Nipples</b> <small>(23 21 13 23-2559)</small>		
23 21 13 23-2680 EA 3/8" Diameter, 24" Length, Chrome Plated Nipple.....	76.87	16.02
<b>23 21 13 23-2681</b> <b>30" Nipples</b> <small>(23 21 13 23-2559)</small>		
23 21 13 23-2682 EA 3/8" Diameter, 30" Length, Chrome Plated Nipple.....	85.67	16.75
<b>23 21 13 23-2683</b> <b>36" Nipples</b> <small>(23 21 13 23-2559)</small>		
23 21 13 23-2684 EA 3/8" Diameter, 36" Length, Chrome Plated Nipple.....	94.47	17.48
<b>23 21 13 23-2685</b> <b>Chrome Plated Fittings</b> <small>(23 21 13 23-2558)</small>		
<b>23 21 13 23-2686</b> <b>Chrome Plated 90 Degree Elbows</b> <small>(23 21 13 23-2685)</small>		
23 21 13 23-2687 EA 1/4" 90 Degree Elbow, Chrome Plated.....	25.47	9.73
23 21 13 23-2688 EA 3/8" 90 Degree Elbow, Chrome Plated.....	25.83	10.47
23 21 13 23-2689 EA 1/2" 90 Degree Elbow, Chrome Plated.....	29.25	11.20
23 21 13 23-2690 EA 3/4" 90 Degree Elbow, Chrome Plated.....	37.21	14.66
23 21 13 23-2691 EA 1" 90 Degree Elbow, Chrome Plated.....	50.85	18.84
23 21 13 23-2692 EA 1-1/4" 90 Degree Elbow, Chrome Plated.....	79.23	25.86
23 21 13 23-2693 EA 1-1/2" 90 Degree Elbow, Chrome Plated.....	95.51	30.05
23 21 13 23-2694 EA 2" 90 Degree Elbow, Chrome Plated.....	132.06	37.06
<b>23 21 13 23-2695</b> <b>Chrome Plated Street 90 Degree Elbows</b> <small>(23 21 13 23-2685)</small>		
23 21 13 23-2696 EA 1/4" Street 90 Degree Elbow, Chrome Plated.....	30.00	9.73
23 21 13 23-2697 EA 3/8" Street 90 Degree Elbow, Chrome Plated.....	30.80	10.47
23 21 13 23-2698 EA 1/2" Street 90 Degree Elbow, Chrome Plated.....	32.71	11.20
23 21 13 23-2699 EA 3/4" Street 90 Degree Elbow, Chrome Plated.....	42.30	14.66
23 21 13 23-2700 EA 1" Street 90 Degree Elbow, Chrome Plated.....	60.25	18.84
23 21 13 23-2701 EA 1-1/4" Street 90 Degree Elbow, Chrome Plated.....	88.87	25.86
23 21 13 23-2702 EA 1-1/2" Street 90 Degree Elbow, Chrome Plated.....	109.01	30.05
23 21 13 23-2703 EA 2" Street 90 Degree Elbow, Chrome Plated.....	163.84	37.06
<b>23 21 13 23-2704</b> <b>Chrome Plated 45 Degree Elbows</b> <small>(23 21 13 23-2685)</small>		
23 21 13 23-2705 EA 1/4" 45 Degree Elbow, Chrome Plated.....	26.47	9.73
23 21 13 23-2706 EA 3/8" 45 Degree Elbow, Chrome Plated.....	27.26	10.47
23 21 13 23-2707 EA 1/2" 45 Degree Elbow, Chrome Plated.....	30.28	11.20
23 21 13 23-2708 EA 3/4" 45 Degree Elbow, Chrome Plated.....	41.10	14.66
23 21 13 23-2709 EA 1" 45 Degree Elbow, Chrome Plated.....	55.21	18.84
23 21 13 23-2710 EA 1-1/4" 45 Degree Elbow, Chrome Plated.....	84.46	25.86
23 21 13 23-2711 EA 1-1/2" 45 Degree Elbow, Chrome Plated.....	102.50	30.05
23 21 13 23-2712 EA 2" 45 Degree Elbow, Chrome Plated.....	151.28	37.06
<b>23 21 13 23-2713</b> <b>Chrome Plated Street 45 Degree Elbows</b> <small>(23 21 13 23-2685)</small>		
23 21 13 23-2714 EA 1/2" Street 45 Degree Elbow, Chrome Plated.....	36.50	11.20
<b>23 21 13 23-2715</b> <b>Chrome Plated Couplings</b> <small>(23 21 13 23-2685)</small>		
23 21 13 23-2716 EA 1/4" Coupling, Chrome Plated.....	24.86	9.73
23 21 13 23-2717 EA 3/8" Coupling, Chrome Plated.....	25.91	10.47

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2718	EA	1/2" Coupling, Chrome Plated.....	29.51	11.20
23 21	13 23-2719	EA	3/4" Coupling, Chrome Plated.....	37.31	14.66
23 21	13 23-2720	EA	1" Coupling, Chrome Plated.....	48.70	18.84
23 21	13 23-2721	EA	1-1/4" Coupling, Chrome Plated.....	71.40	25.86
23 21	13 23-2722	EA	1-1/2" Coupling, Chrome Plated.....	88.95	30.05
23 21	13 23-2723	EA	2" Coupling, Chrome Plated.....	124.05	37.06
<b>23 21</b>	<b>13 23-2724</b>		<b>Chrome Plated Unions (23 21 13 23-2685)</b>		
23 21	13 23-2725	EA	1/4" Union, Chrome Plated.....	41.37	11.20
23 21	13 23-2726	EA	3/8" Union, Chrome Plated.....	42.43	11.83
23 21	13 23-2727	EA	1/2" Union, Chrome Plated.....	51.65	13.30
23 21	13 23-2728	EA	3/4" Union, Chrome Plated.....	63.72	17.48
23 21	13 23-2729	EA	1" Union, Chrome Plated.....	80.51	22.30
23 21	13 23-2730	EA	1-1/4" Union, Chrome Plated.....	132.55	30.05
23 21	13 23-2731	EA	1-1/2" Union, Chrome Plated.....	165.61	35.60
23 21	13 23-2732	EA	2" Union, Chrome Plated.....	217.16	43.35
<b>23 21</b>	<b>13 23-2733</b>		<b>Chrome Plated Caps (23 21 13 23-2685)</b>		
23 21	13 23-2734	EA	1/4" Cap, Chrome Plated.....	17.27	4.92
23 21	13 23-2735	EA	3/8" Cap, Chrome Plated.....	17.79	5.24
23 21	13 23-2736	EA	1/2" Cap, Chrome Plated.....	20.44	5.55
23 21	13 23-2737	EA	3/4" Cap, Chrome Plated.....	25.38	7.33
23 21	13 23-2738	EA	1" Cap, Chrome Plated.....	29.94	9.42
23 21	13 23-2739	EA	1-1/4" Cap, Chrome Plated.....	44.51	12.88
23 21	13 23-2740	EA	1-1/2" Cap, Chrome Plated.....	59.29	14.97
23 21	13 23-2741	EA	2" Cap, Chrome Plated.....	87.45	19.58
<b>23 21</b>	<b>13 23-2742</b>		<b>Chrome Plated Plugs (23 21 13 23-2685)</b>		
23 21	13 23-2743	EA	1/4" Plug, Chrome Plated.....	13.81	4.92
23 21	13 23-2744	EA	3/8" Plug, Chrome Plated.....	14.33	5.24
23 21	13 23-2745	EA	1/2" Plug, Chrome Plated.....	16.80	5.55
23 21	13 23-2746	EA	3/4" Plug, Chrome Plated.....	22.79	7.33
23 21	13 23-2747	EA	1" Plug, Chrome Plated.....	27.96	9.42
23 21	13 23-2748	EA	1-1/4" Plug, Chrome Plated.....	37.70	12.88
23 21	13 23-2749	EA	1-1/2" Plug, Chrome Plated.....	46.82	14.97
23 21	13 23-2750	EA	2" Plug, Chrome Plated.....	65.75	19.58
<b>23 21</b>	<b>13 23-2751</b>		<b>Chrome Plated Tees (23 21 13 23-2685)</b>		
23 21	13 23-2752	EA	1/4" Chrome Plated Tee.....	35.03	14.66
23 21	13 23-2753	EA	3/8" Chrome Plated Tee.....	37.12	16.02
23 21	13 23-2754	EA	1/2" Chrome Plated Tee.....	41.51	17.48
23 21	13 23-2755	EA	3/4" Chrome Plated Tee.....	51.75	21.67
23 21	13 23-2756	EA	1" Chrome Plated Tee.....	74.51	27.95
23 21	13 23-2757	EA	1-1/4" Chrome Plated Tee.....	102.75	38.42
23 21	13 23-2758	EA	1-1/2" Chrome Plated Tee.....	133.02	44.71
23 21	13 23-2759	EA	2" Chrome Plated Tee.....	184.52	55.18
<b>23 21</b>	<b>13 23-2760</b>		<b>Chrome Plated Reducing 90 Degree Elbows (23 21 13 23-2685)</b>		
23 21	13 23-2761	EA	1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated.....	39.21	17.48
23 21	13 23-2762	EA	3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated.....	45.50	21.67
<b>23 21</b>	<b>13 23-2763</b>		<b>Chrome Plated Bell Reducers (23 21 13 23-2685)</b>		
23 21	13 23-2764	EA	1/2" x 3/8" Bell Reducer, Chrome Plated.....	43.39	17.48
23 21	13 23-2765	EA	3/4" x 1/2" Bell Reducer, Chrome Plated.....	52.69	21.67
23 21	13 23-2766	EA	1" x 1/2" Bell Reducer, Chrome Plated.....	66.80	27.95
<b>23 21</b>	<b>13 23-2767</b>		<b>Chrome Plated Reducing Tees (23 21 13 23-2685)</b>		
23 21	13 23-2768	EA	3/4" x 1/2" Reducing Tee, Chrome Plated.....	58.00	21.67
<b>23 21</b>	<b>13 23-2769</b>		<b>Chrome Plated Bushings (23 21 13 23-2685)</b>		
23 21	13 23-2770	EA	3/8" x 1/4" Bushing, Chrome Plated.....	13.71	4.92
23 21	13 23-2771	EA	1/2" x 1/4" Bushing, Chrome Plated.....	14.77	5.24
23 21	13 23-2772	EA	1/2" x 3/8" Bushing, Chrome Plated.....	15.29	5.55
23 21	13 23-2773	EA	3/4" x 1/2" Bushing, Chrome Plated.....	19.36	7.33
23 21	13 23-2774	EA	1" x 3/4" Bushing, Chrome Plated.....	28.63	9.42
23 21	13 23-2775	EA	1-1/4" x 1" Bushing, Chrome Plated.....	42.18	12.88
<b>23 21</b>	<b>13 23-2776</b>		<b>Aluminum Tubing Assemblies (23 21 13 23)</b>		
			Note: ASTM B210 (Tubing), ASTM B26 (Fittings). Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2777 LF 1/8" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	9.87	3.67
23 21 13 23-2778 LF 3/16" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	11.22	4.19
23 21 13 23-2779 LF 1/4" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	12.47	4.72
23 21 13 23-2780 LF 5/16" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	13.59	5.24
23 21 13 23-2781 LF 3/8" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	15.10	5.75
23 21 13 23-2782 LF 1/2" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	17.55	6.28
23 21 13 23-2783 LF 5/8" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	20.61	7.23
23 21 13 23-2784 LF 3/4" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	25.82	8.20
23 21 13 23-2785 LF 7/8" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	30.13	9.16
23 21 13 23-2786 LF 1" Inside Diameter Aluminum Pipe/Tubing Assembly .....	37.00	9.64
 <b>23 21 16 Hydronic Piping Specialties (23 21)</b>		
<b>23 21 16 00-0001 Vent Valves (23 21 16)</b>		
23 21 16 00-0002 EA 1/8", 1.5 PSIG Operating Pressure, Non Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A) .....	76.49	15.72
23 21 16 00-0003 EA 1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74) .....	189.55	16.90
23 21 16 00-0004 EA 1/2" x 3/4", 3 PSIG Operating Pressure, Non Vacuum Main Steam Air Vent Valve (Hoffman 75) .....	180.51	16.90
23 21 16 00-0005 EA 1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H) .....	186.84	16.90
23 21 16 00-0006 EA 3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78) .....	242.18	16.90
23 21 16 00-0007 EA 1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79) .....	178.03	16.90
 <b>23 21 16 00-0008 Threaded Inlet, Drip-Pan Elbow (23 21 16)</b>		
<b>23 21 16 00-0009 Cast Iron, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)</b>		
23 21 16 00-0010 EA 2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	290.12	26.42
<i>For Flanged Inlet, Add</i>	126.11	
23 21 16 00-0011 EA 3" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	325.36	31.32
<i>For Flanged Inlet, Add</i>	135.37	
23 21 16 00-0012 EA 3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	414.65	36.21
<i>For Flanged Inlet, Add</i>	182.63	
23 21 16 00-0013 EA 4" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	638.42	41.11
<i>For Flanged Inlet, Add</i>	321.33	
23 21 16 00-0014 EA 5" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	718.10	48.93
<i>For Flanged Inlet, Add</i>	355.21	
23 21 16 00-0015 EA 6" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	1,008.05	61.65
<i>For Flanged Inlet, Add</i>	519.10	
23 21 16 00-0016 EA 8" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	2,357.56	81.23
<i>For Flanged Inlet, Add</i>	1,381.31	
 <b>23 21 16 00-0017 Cast Steel, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)</b>		
23 21 16 00-0018 EA 2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	558.28	26.42
<i>For Flanged Inlet, Add</i>	308.45	
23 21 16 00-0019 EA 3" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	675.93	31.32
<i>For Flanged Inlet, Add</i>	373.76	
23 21 16 00-0020 EA 3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	965.23	36.21
<i>For Flanged Inlet, Add</i>	557.03	
23 21 16 00-0021 EA 4" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	985.04	41.11
<i>For Flanged Inlet, Add</i>	557.03	
23 21 16 00-0022 EA 5" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	1,417.93	48.93
<i>For Flanged Inlet, Add</i>	831.10	
23 21 16 00-0023 EA 6" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	1,466.87	61.65
<i>For Flanged Inlet, Add</i>	831.10	
23 21 16 00-0024 EA 8" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	2,425.03	81.23
<i>For Flanged Inlet, Add</i>	1,427.19	
 <b>23 21 16 00-0025 Y-Type Strainers (23 21 16)</b>		
<b>23 21 16 00-0026 Screwed Ends, 250 LB, Iron Body, Y-Type Strainers (23 21 16 00-0025)</b>		
23 21 16 00-0027 EA 1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer .....	75.45	11.73
<i>For Galvanized Body, Add</i>	20.97	
<i>For Work In Restricted Working Space, Add</i>	10.06	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0028	EA		1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	75.97	11.95
			<i>For Galvanized Body, Add</i>	20.97	
			<i>For Work In Restricted Working Space, Add</i>	10.21	
23 21 16 00-0029	EA		3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	96.13	16.13
			<i>For Galvanized Body, Add</i>	25.02	
			<i>For Work In Restricted Working Space, Add</i>	13.83	
23 21 16 00-0030	EA		1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	122.61	19.27
			<i>For Galvanized Body, Add</i>	33.81	
			<i>For Work In Restricted Working Space, Add</i>	16.50	
23 21 16 00-0031	EA		1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	160.73	23.83
			<i>For Galvanized Body, Add</i>	46.32	
			<i>For Work In Restricted Working Space, Add</i>	20.43	
23 21 16 00-0032	EA		1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	184.90	25.67
			<i>For Galvanized Body, Add</i>	55.79	
			<i>For Work In Restricted Working Space, Add</i>	22.00	
23 21 16 00-0033	EA		2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	255.55	29.32
			<i>For Galvanized Body, Add</i>	85.88	
			<i>For Work In Restricted Working Space, Add</i>	25.14	
23 21 16 00-0034	EA		2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	490.87	36.66
			<i>For Galvanized Body, Add</i>	193.06	
			<i>For Work In Restricted Working Space, Add</i>	31.43	
23 21 16 00-0035	EA		3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	635.39	45.88
			<i>For Galvanized Body, Add</i>	252.23	
			<i>For Work In Restricted Working Space, Add</i>	39.28	
<b>23 21 16 00-0036</b>			<b>Flanged, 125 LB, Iron Body , Y-Type Strainers (23 21 16 00-0025)</b>		
23 21 16 00-0037	EA		1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	282.75	109.98
			<i>For Galvanized Body, Add</i>	72.47	
			<i>For Work In Restricted Working Space, Add</i>	41.35	
23 21 16 00-0038	EA		2" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	331.42	139.63
			<i>For Galvanized Body, Add</i>	78.42	
			<i>For Work In Restricted Working Space, Add</i>	52.37	
23 21 16 00-0039	EA		3" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	596.75	178.07
			<i>For Galvanized Body, Add</i>	186.95	
			<i>For Work In Restricted Working Space, Add</i>	66.86	
23 21 16 00-0040	EA		4" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	798.38	298.52
			<i>For Galvanized Body, Add</i>	212.15	
			<i>For Work In Restricted Working Space, Add</i>	112.23	
23 21 16 00-0041	EA		5" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	849.98	300.71
			<i>For Galvanized Body, Add</i>	237.34	
			<i>For Work In Restricted Working Space, Add</i>	112.59	
23 21 16 00-0042	EA		6" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	1,008.67	334.12
			<i>For Galvanized Body, Add</i>	294.77	
			<i>For Work In Restricted Working Space, Add</i>	125.74	
23 21 16 00-0043	EA		8" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	1,691.43	426.93
			<i>For Galvanized Body, Add</i>	580.55	
			<i>For Work In Restricted Working Space, Add</i>	159.10	
23 21 16 00-0044	EA		10" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	3,237.52	519.73
			<i>For Galvanized Body, Add</i>	1,293.93	
			<i>For Work In Restricted Working Space, Add</i>	194.90	
23 21 16 00-0045	EA		12" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	3,618.90	464.05
			<i>For Galvanized Body, Add</i>	1,345.40	
			<i>For Work In Restricted Working Space, Add</i>	278.43	
<b>23 21 16 00-0046</b>			<b>Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0025)</b>		
			Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0047	EA		1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	63.58	11.95
			<i>For 300 LB Rating, Add</i>	50.22	
			<i>For Work In Restricted Working Space, Add</i>	10.21	
23 21 16 00-0048	EA		3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	84.49	16.13
			<i>For 300 LB Rating, Add</i>	65.28	
			<i>For Work In Restricted Working Space, Add</i>	13.83	
23 21 16 00-0049	EA		1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	103.36	19.27
			<i>For 300 LB Rating, Add</i>	82.23	
			<i>For Work In Restricted Working Space, Add</i>	16.50	
23 21 16 00-0050	EA		1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	128.65	23.83
			<i>For 300 LB Rating, Add</i>	102.95	
			<i>For Work In Restricted Working Space, Add</i>	20.43	
23 21 16 00-0051	EA		1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	151.97	25.67
			<i>For 300 LB Rating, Add</i>	133.71	
			<i>For Work In Restricted Working Space, Add</i>	22.00	
23 21 16 00-0052	EA		2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	211.55	29.32
			<i>For 300 LB Rating, Add</i>	217.19	
			<i>For Work In Restricted Working Space, Add</i>	25.14	
23 21 16 00-0053	EA		2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	315.60	36.66
			<i>For 300 LB Rating, Add</i>	358.45	
			<i>For Work In Restricted Working Space, Add</i>	31.43	
23 21 16 00-0054	EA		3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	568.10	45.88
			<i>For 300 LB Rating, Add</i>	743.19	
			<i>For Work In Restricted Working Space, Add</i>	39.28	
23 21 16 00-0055	EA		4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	986.79	54.99
			<i>For 300 LB Rating, Add</i>	1,410.44	
			<i>For Work In Restricted Working Space, Add</i>	47.14	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 16 00-0056 Flanged, 150 LB, Bronze Body, Y-Type Strainers</b> <small>(23 21 16 00-0025)</small>		
<i>Note: With bolted cap.</i>		
23 21 16 00-0057 EA 2" Flanged, 150 LB, Bronze Body, Y-Type Strainer.....	541.55	139.63
<i>For 300 LB Rating, Add</i>		
	220.18	
<i>For Work In Restricted Working Space, Add</i>		
	52.37	
23 21 16 00-0058 EA 2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer.....	564.33	151.88
<i>For 300 LB Rating, Add</i>		
	224.33	
<i>For Work In Restricted Working Space, Add</i>		
	57.13	
23 21 16 00-0059 EA 3" Flanged, 150 LB, Bronze Body, Y-Type Strainer.....	651.00	178.07
<i>For 300 LB Rating, Add</i>		
	256.88	
<i>For Work In Restricted Working Space, Add</i>		
	66.86	
23 21 16 00-0060 EA 4" Flanged, 150 LB, Bronze Body, Y-Type Strainer.....	1,414.39	298.52
<i>For 300 LB Rating, Add</i>		
	624.18	
<i>For Work In Restricted Working Space, Add</i>		
	112.23	
23 21 16 00-0061 EA 6" Flanged, 150 LB, Bronze Body, Y-Type Strainer.....	1,996.06	334.12
<i>For 300 LB Rating, Add</i>		
	946.15	
<i>For Work In Restricted Working Space, Add</i>		
	125.74	
23 21 16 00-0062 EA 8" Flanged, 150 LB, Bronze Body, Y-Type Strainer.....	3,221.47	426.93
<i>For 300 LB Rating, Add</i>		
	1,614.68	
<i>For Work In Restricted Working Space, Add</i>		
	159.10	
23 21 16 00-0063 EA 10" Flanged, 150 LB, Bronze Body, Y-Type Strainer.....	10,308.50	519.73
<i>For 300 LB Rating, Add</i>		
	5,795.30	
<i>For Work In Restricted Working Space, Add</i>		
	194.90	
<b>23 21 16 00-0064 Class 125, Crimped Bronze Body, Y-Type Strainers</b> <small>(23 21 16 00-0025)</small>		
<i>Note: Nibco®</i>		
23 21 16 00-0065 EA 1/2" Class 125, Crimped Bronze Body, Y-Type Strainer.....	155.84	10.47
<i>For Work In Restricted Working Space, Add</i>		
	7.07	
23 21 16 00-0066 EA 3/4" Class 125, Crimped Bronze Body, Y-Type Strainer.....	180.58	11.52
<i>For Work In Restricted Working Space, Add</i>		
	8.05	
23 21 16 00-0067 EA 1" Class 125, Crimped Bronze Body, Y-Type Strainer.....	257.74	13.09
<i>For Work In Restricted Working Space, Add</i>		
	9.62	
23 21 16 00-0068 EA 1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer.....	346.43	13.93
<i>For Work In Restricted Working Space, Add</i>		
	10.60	
23 21 16 00-0069 EA 1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer.....	417.46	16.12
<i>For Work In Restricted Working Space, Add</i>		
	11.78	
23 21 16 00-0070 EA 2" Class 125, Crimped Bronze Body, Y-Type Strainer.....	619.47	19.05
<i>For Work In Restricted Working Space, Add</i>		
	14.14	
<b>23 21 16 00-0071 250 PSI, Crimped Bronze Body, Y-Type Strainers</b> <small>(23 21 16 00-0025)</small>		
23 21 16 00-0072 EA 1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	68.82	10.47
23 21 16 00-0073 EA 3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	83.90	11.52
23 21 16 00-0074 EA 1" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	122.58	13.09
23 21 16 00-0075 EA 1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	149.64	13.93
23 21 16 00-0076 EA 1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	178.41	16.12
23 21 16 00-0077 EA 2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	234.07	19.05
<b>23 21 16 00-0078 Cast Iron Body, Suction Diffusers</b> <small>(23 21 16)</small>		
<i>Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.</i>		
23 21 16 00-0079 EA 2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser.....	531.25	41.27
<i>For Work In Restricted Working Space, Add</i>		
	20.21	
23 21 16 00-0080 EA 2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser.....	557.27	45.78
<i>For Work In Restricted Working Space, Add</i>		
	22.45	
23 21 16 00-0081 EA 2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser.....	565.68	48.07
<i>For Work In Restricted Working Space, Add</i>		
	23.58	
23 21 16 00-0082 EA 2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	1,062.56	151.88
<i>For Work In Restricted Working Space, Add</i>		
	57.13	
23 21 16 00-0083 EA 3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser.....	583.00	55.94
<i>For Work In Restricted Working Space, Add</i>		
	27.38	
23 21 16 00-0084 EA 3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser.....	661.86	55.94
<i>For Work In Restricted Working Space, Add</i>		
	27.38	
23 21 16 00-0085 EA 3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	1,111.25	165.32
<i>For Work In Restricted Working Space, Add</i>		
	62.00	
23 21 16 00-0086 EA 3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	1,132.10	178.07
<i>For Work In Restricted Working Space, Add</i>		
	66.86	
23 21 16 00-0087 EA 4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	1,370.07	238.78
<i>For Work In Restricted Working Space, Add</i>		
	89.54	
23 21 16 00-0088 EA 4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	1,608.05	298.52
<i>For Work In Restricted Working Space, Add</i>		
	112.23	
23 21 16 00-0089 EA 6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	1,850.49	300.24
<i>For Work In Restricted Working Space, Add</i>		
	112.59	
23 21 16 00-0090 EA 6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	2,242.25	334.12
<i>For Work In Restricted Working Space, Add</i>		
	125.74	
23 21 16 00-0091 EA 8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	2,525.09	426.93
<i>For Work In Restricted Working Space, Add</i>		
	159.10	
23 21 16 00-0092 EA 8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	3,958.53	426.93
<i>For Work In Restricted Working Space, Add</i>		
	159.10	
23 21 16 00-0093 EA 10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	4,513.91	519.73
<i>For Work In Restricted Working Space, Add</i>		
	194.90	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0094	EA		10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser ..... <i>For Work In Restricted Working Space, Add</i>	5,297.90 194.90	519.73
<b>23 21 16 00-0095</b>			<b>Duplex Strainers (23 21 16)</b>		
<b>23 21 16 00-0096</b>			<b>Iron Body, Duplex Strainers (23 21 16 00-0095)</b>		
<b>23 21 16 00-0097</b>			<b>Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers (23 21 16 00-0095)</b> Note: With brass or stainless steel basket.		
23 21 16 00-0098	EA		3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	805.49 15.66	26.08
23 21 16 00-0099	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	899.35 17.93	29.85
23 21 16 00-0100	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,219.69 21.04	35.09
23 21 16 00-0101	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,535.96 22.94	38.24
23 21 16 00-0102	EA		2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	2,059.14 28.06	46.61
23 21 16 00-0103	EA		2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	2,591.11 35.81	59.71
<b>23 21 16 00-0104</b>			<b>Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers (23 21 16 00-0095)</b> Note: With brass or stainless steel basket.		
23 21 16 00-0105	EA		3/4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,803.25 52.37	139.63
23 21 16 00-0106	EA		2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	2,897.58 57.13	151.88
23 21 16 00-0107	EA		3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,714.67 66.86	178.07
23 21 16 00-0108	EA		4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	5,824.20 99.44	264.50
23 21 16 00-0109	EA		6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	11,404.62 125.74	334.12
23 21 16 00-0110	EA		8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	21,716.63 159.10	426.93
23 21 16 00-0111	EA		10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	29,996.60 194.90	519.73
23 21 16 00-0112	EA		12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	33,953.45 393.26	655.24
23 21 16 00-0113	EA		14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	40,475.85 278.43	742.48
23 21 16 00-0114	EA		16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	50,612.52 306.27	816.72
<b>23 21 16 00-0115</b>			<b>Bronze Body, Duplex Strainers (23 21 16 00-0095)</b>		
<b>23 21 16 00-0116</b>			<b>Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers (23 21 16 00-0115)</b> Note: With brass or stainless steel basket.		
23 21 16 00-0117	EA		3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,503.85 15.66	26.19
23 21 16 00-0118	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,668.34 17.93	29.85
23 21 16 00-0119	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	2,443.79 21.04	35.09
23 21 16 00-0120	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	3,215.17 22.94	38.24
23 21 16 00-0121	EA		2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	4,154.23 28.06	46.61
23 21 16 00-0122	EA		2-1/2" Screwed, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	5,102.08 35.81	59.71
<b>23 21 16 00-0123</b>			<b>Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers (23 21 16 00-0115)</b> Note: With brass or stainless steel basket.		
23 21 16 00-0124	EA		2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	5,824.26 52.37	139.63
23 21 16 00-0125	EA		2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	5,997.05 57.13	151.88
23 21 16 00-0126	EA		3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	8,226.57 66.86	178.07
23 21 16 00-0127	EA		4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	12,964.77 99.44	264.50
23 21 16 00-0128	EA		6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	28,196.72 125.74	334.12
<b>23 21 16 00-0129</b>			<b>Cast Steel Body, Duplex Strainers (23 21 16 00-0095)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 16 00-0130</b> <b>Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers</b> <small>(23 21 16 00-0129)</small> Note: With brass or stainless steel basket.		
23 21 16 00-0131    EA    1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	2,344.56	29.85
For Work In Restricted Working Space, Add	17.93	
23 21 16 00-0132    EA    1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	2,888.05	35.09
For Work In Restricted Working Space, Add	21.04	
23 21 16 00-0133    EA    1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	3,427.51	38.24
For Work In Restricted Working Space, Add	22.94	
23 21 16 00-0134    EA    2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	5,805.51	46.61
For Work In Restricted Working Space, Add	28.06	
<b>23 21 16 00-0135</b> <b>Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers</b> <small>(23 21 16 00-0129)</small> Note: With brass or stainless steel basket.		
23 21 16 00-0136    EA    2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	5,924.65	139.63
For Work In Restricted Working Space, Add	52.37	
23 21 16 00-0137    EA    2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	6,511.71	151.88
For Work In Restricted Working Space, Add	57.13	
23 21 16 00-0138    EA    3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	8,562.37	178.07
For Work In Restricted Working Space, Add	66.86	
23 21 16 00-0139    EA    4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	12,555.12	264.50
For Work In Restricted Working Space, Add	99.44	
23 21 16 00-0140    EA    6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	21,439.27	334.12
For Work In Restricted Working Space, Add	125.74	
23 21 16 00-0141    EA    8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	41,808.99	426.93
For Work In Restricted Working Space, Add	159.10	
<b>23 21 16 00-0142</b> <b>Stainless Steel Body, Duplex Strainers</b> <small>(23 21 16 00-0095)</small>		
<b>23 21 16 00-0143</b> <b>Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers</b> <small>(23 21 16 00-0142)</small> Note: With stainless steel basket.		
23 21 16 00-0144    EA    1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	4,649.97	29.85
For Work In Restricted Working Space, Add	17.93	
23 21 16 00-0145    EA    1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	5,875.89	35.09
For Work In Restricted Working Space, Add	21.04	
23 21 16 00-0146    EA    1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	7,089.30	38.24
For Work In Restricted Working Space, Add	22.94	
23 21 16 00-0147    EA    2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	11,356.53	46.61
For Work In Restricted Working Space, Add	28.06	
<b>23 21 16 00-0148</b> <b>Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers</b> <small>(23 21 16 00-0142)</small> Note: With stainless steel basket.		
23 21 16 00-0149    EA    2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	11,905.11	139.63
For Work In Restricted Working Space, Add	52.37	
23 21 16 00-0150    EA    2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	12,516.00	151.88
For Work In Restricted Working Space, Add	57.13	
23 21 16 00-0151    EA    3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	19,603.74	178.07
For Work In Restricted Working Space, Add	66.86	
23 21 16 00-0152    EA    4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	23,962.54	264.50
For Work In Restricted Working Space, Add	99.44	
23 21 16 00-0153    EA    6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	42,071.04	334.12
For Work In Restricted Working Space, Add	125.74	
23 21 16 00-0154    EA    8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	77,713.86	426.93
For Work In Restricted Working Space, Add	159.10	
<b>23 21 16 00-0155</b> <b>Pressure Regulating Valve</b> <small>(23 21 16)</small>		
<b>23 21 16 00-0156</b> <b>Screwed Ends, Iron Body, Water Pressure Reducing Valves</b> <small>(23 21 16 00-0155)</small> Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating		
23 21 16 00-0157    EA    1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve.....	216.00	13.09
For Work In Restricted Working Space, Add	15.71	
23 21 16 00-0158    EA    3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve.....	266.75	14.66
For Work In Restricted Working Space, Add	17.45	
23 21 16 00-0159    EA    1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve.....	352.38	15.71
For Work In Restricted Working Space, Add	18.48	
23 21 16 00-0160    EA    1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve.....	607.32	17.59
For Work In Restricted Working Space, Add	20.94	
23 21 16 00-0161    EA    1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve.....	825.24	20.94
For Work In Restricted Working Space, Add	25.13	
23 21 16 00-0162    EA    2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve.....	1,181.88	32.11
For Work In Restricted Working Space, Add	38.57	
23 21 16 00-0163    EA    2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve.....	1,285.25	36.16
For Work In Restricted Working Space, Add	43.39	
23 21 16 00-0164    EA    3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve.....	1,412.07	104.62
For Work In Restricted Working Space, Add	48.21	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 21 16 00-0165	<b>Cast Iron Body, Steam Pressure Regulator And Reducer</b> <small>(23 21 16 00-0165)</small>			
	Note: Single seated, spring loaded, direct acting diaphragm valve.			
23 21 16 00-0166	<b>Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer</b> <small>(23 21 16 00-0166)</small>			
23 21 16 00-0167	EA	1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....	365.02	17.60
		<i>For Work In Restricted Working Space, Add</i>	21.09	
23 21 16 00-0168	EA	3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....	456.30	24.93
		<i>For Work In Restricted Working Space, Add</i>	29.93	
23 21 16 00-0169	EA	1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....	586.95	30.37
		<i>For Work In Restricted Working Space, Add</i>	36.54	
23 21 16 00-0170	EA	1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....	786.81	36.87
		<i>For Work In Restricted Working Space, Add</i>	42.46	
23 21 16 00-0171	EA	1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....	1,058.19	41.90
		<i>For Work In Restricted Working Space, Add</i>	48.34	
23 21 16 00-0172	EA	2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....	1,237.33	58.72
		<i>For Work In Restricted Working Space, Add</i>	58.72	
23 21 16 00-0173	<b>Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer</b> <small>(23 21 16 00-0165)</small>			
	Note: Single seated, spring loaded, direct acting diaphragm valve.			
23 21 16 00-0174	EA	2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....	2,870.47	141.91
		<i>For Work In Restricted Working Space, Add</i>	53.38	
23 21 16 00-0175	EA	3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....	3,570.11	166.38
		<i>For Work In Restricted Working Space, Add</i>	62.47	
23 21 16 00-0176	EA	4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....	4,586.69	278.93
		<i>For Work In Restricted Working Space, Add</i>	104.86	
23 21 16 00-0177	EA	6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....	11,449.34	329.95
		<i>For Work In Restricted Working Space, Add</i>	124.17	
23 21 16 00-0178	<b>Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves</b> <small>(23 21 16 00-0155)</small>			
23 21 16 00-0179	<b>Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves</b> <small>(23 21 16 00-0178)</small>			
23 21 16 00-0180	EA	1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....	2,084.44	12.78
		<i>For Work In Restricted Working Space, Add</i>	19.17	
23 21 16 00-0181	EA	3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....	2,128.25	12.78
		<i>For Work In Restricted Working Space, Add</i>	19.17	
23 21 16 00-0182	EA	1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....	2,266.74	16.13
		<i>For Work In Restricted Working Space, Add</i>	24.20	
23 21 16 00-0183	EA	1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....	2,663.63	20.53
		<i>For Work In Restricted Working Space, Add</i>	30.80	
23 21 16 00-0184	EA	1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....	3,049.37	23.67
		<i>For Work In Restricted Working Space, Add</i>	35.51	
23 21 16 00-0185	EA	2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....	3,781.17	27.86
		<i>For Work In Restricted Working Space, Add</i>	41.80	
23 21 16 00-0186	<b>Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves</b> <small>(23 21 16 00-0178)</small>			
23 21 16 00-0187	EA	2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....	4,671.83	141.91
		<i>For Work In Restricted Working Space, Add</i>	53.38	
23 21 16 00-0188	EA	3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....	5,763.51	166.38
		<i>For Work In Restricted Working Space, Add</i>	62.47	
23 21 16 00-0189	EA	4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....	8,728.70	278.93
		<i>For Work In Restricted Working Space, Add</i>	104.86	
23 21 16 00-0190	EA	6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....	19,212.29	329.95
		<i>For Work In Restricted Working Space, Add</i>	124.17	
23 21 16 00-0191	<b>Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves</b> <small>(23 21 16 00-0155)</small>			
23 21 16 00-0192	EA	1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	242.91	13.61
23 21 16 00-0193	EA	3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	301.04	15.07
23 21 16 00-0194	EA	1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	400.20	16.02
23 21 16 00-0195	EA	1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	695.70	18.22
23 21 16 00-0196	EA	1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	947.14	21.77
23 21 16 00-0197	EA	2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	1,355.08	33.36
23 21 16 00-0198	EA	2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	1,467.97	36.35
23 21 16 00-0199	EA	3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	1,617.83	41.85
23 21 16 00-0200	<b>Screwed Ends, Bronze Body, Water Pressure Reducing Valves</b> <small>(23 21 16 00-0155)</small>			
	Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).			
23 21 16 00-0201	EA	1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	183.07	13.09
23 21 16 00-0202	EA	3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	201.15	14.66
23 21 16 00-0203	EA	1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	250.58	16.23
23 21 16 00-0204	EA	1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	598.36	17.59
23 21 16 00-0205	EA	1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	648.05	20.94
23 21 16 00-0206	EA	2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	1,018.55	32.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 16 00-0207</b> <b>Dual Unit Reducing And Relief Valve</b> <sup>(23 21 16)</sup>		
23 21 16 00-0208    EA    1/2" Dual Unit Reducing And Relief Valve .....	206.39	31.95
<b>23 21 16 00-0209</b> <b>Safety Relief Valve</b> <sup>(23 21 16)</sup>		
Note: Used in water heater and hot water storage tank applications.		
<b>23 21 16 00-0210</b> <b>Threaded Inlet, Bronze Body Safety Valves</b> <sup>(23 21 16 00-0209)</sup>		
Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.		
23 21 16 00-0211    EA    1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve .....	74.97	13.09
23 21 16 00-0212    EA    3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve .....	105.23	14.40
23 21 16 00-0213    EA    1" x 1" Threaded Inlet, Bronze Body Safety Valve .....	153.18	17.53
23 21 16 00-0214    EA    1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve.....	199.56	18.58
23 21 16 00-0215    EA    1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve.....	275.05	24.87
23 21 16 00-0216    EA    2" x 2" Threaded Inlet, Bronze Body Safety Valve.....	370.44	29.31
23 21 16 00-0217    EA    2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve.....	418.82	36.65
<b>23 21 16 00-0218</b> <b>Threaded, Bronze Body, Temperature And Pressure Relief Valves</b> <sup>(23 21 16)</sup>		
23 21 16 00-0219    EA    1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	85.50	26.70
For Cast Iron Body, Add	52.35	
23 21 16 00-0220    EA    3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	110.69	32.04
For Cast Iron Body, Add	72.93	
23 21 16 00-0221    EA    1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve .....	162.72	42.71
For Cast Iron Body, Add	116.15	
23 21 16 00-0222    EA    1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve .....	272.27	45.76
For Cast Iron Body, Add	246.85	
23 21 16 00-0223    EA    1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve .....	461.50	51.30
For Cast Iron Body, Add	472.21	
23 21 16 00-0224    EA    2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve .....	531.89	73.77
For Cast Iron Body, Add	514.20	
<b>23 21 16 00-0225</b> <b>Thermostatic Radiator Valves</b> <sup>(23 21 16)</sup>		
Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0226    EA    1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015).....	79.79	16.90
23 21 16 00-0227    EA    3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020).....	97.17	22.77
23 21 16 00-0228    EA    1" Straight Thermostatic Radiator Valve (Danfoss 013G8025).....	129.29	27.57
23 21 16 00-0229    EA    1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032).....	200.31	34.92
23 21 16 00-0230    EA    1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014).....	79.79	16.90
23 21 16 00-0231    EA    3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019).....	97.17	22.77
23 21 16 00-0232    EA    1" Angle Thermostatic Radiator Valve (Danfoss 013G8024).....	129.29	27.57
23 21 16 00-0233    EA    1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031).....	200.31	34.92
23 21 16 00-0234    EA    Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240).....	81.39	13.09
23 21 16 00-0235    EA    Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922).....	136.79	18.33
<b>23 21 16 00-0236</b> <b>Radiator Trap Repair Kits</b> <sup>(23 21 16)</sup>		
Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0237    EA    1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031) .....	143.77	
23 21 16 00-0238    EA    3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032) .....	179.77	
23 21 16 00-0239    EA    1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026).....	182.94	
23 21 16 00-0240    EA    3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027).....	207.77	
23 21 16 00-0241    EA    1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028).....	495.72	
<b>23 21 16 00-0242</b> <b>Horizontal Steel Expansion Tanks</b> <sup>(23 21 16)</sup>		
Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.		
23 21 16 00-0243    EA    10 Gallon Horizontal Steel Expansion Tank.....	701.60	104.75
23 21 16 00-0244    EA    15 Gallon Horizontal Steel Expansion Tank.....	1,000.02	130.93
23 21 16 00-0245    EA    30 Gallon Horizontal Steel Expansion Tank.....	1,316.95	157.12
23 21 16 00-0246    EA    40 Gallon Horizontal Steel Expansion Tank.....	1,514.86	183.30
23 21 16 00-0247    EA    60 Gallon Horizontal Steel Expansion Tank.....	1,753.73	185.62
<b>23 21 16 00-0248</b> <b>Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks</b> <sup>(23 21 16)</sup>		
Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.		
23 21 16 00-0249    EA    7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....	1,573.70	78.56
23 21 16 00-0250    EA    10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....	1,641.04	91.65
23 21 16 00-0251    EA    21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....	2,454.22	104.75
23 21 16 00-0252    EA    33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....	2,553.06	117.83
23 21 16 00-0253    EA    44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....	3,467.93	130.93
23 21 16 00-0254    EA    55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....	3,656.36	144.02
23 21 16 00-0255    EA    68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....	4,350.88	157.12
23 21 16 00-0256    EA    77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....	4,655.53	170.21
23 21 16 00-0257    EA    90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....	5,132.12	183.30
23 21 16 00-0258    EA    110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....	5,271.66	209.49
23 21 16 00-0259    EA    132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....	6,619.53	235.68
23 21 16 00-0260    EA    158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....	7,592.08	261.86
23 21 16 00-0261    EA    211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....	8,810.71	314.24

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0262			<b>Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX)</b>		
			<small>(23 21 16)</small> Note: ASME. Precharged with working pressure 125 psi		
23 21 16 00-0263	EA		8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,796.48	78.56
23 21 16 00-0264	EA		11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,851.71	91.65
23 21 16 00-0265	EA		22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,657.63	104.75
23 21 16 00-0266	EA		34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,836.37	117.83
23 21 16 00-0267	EA		44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,610.79	130.93
23 21 16 00-0268	EA		56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,796.80	144.02
23 21 16 00-0269	EA		67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,634.20	157.12
23 21 16 00-0270	EA		77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,009.07	170.21
23 21 16 00-0271	EA		91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,541.36	183.30
23 21 16 00-0272	EA		111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,673.63	209.49
23 21 16 00-0273	EA		132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	6,985.18	235.68
23 21 16 00-0274	EA		158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	8,107.86	261.86
23 21 16 00-0275	EA		211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	9,336.17	314.24
23 21 16 00-0276			<b>Diaphragm Type (Residential Style) Steel Expansion Tanks</b> <small>(23 21 16)</small>		
23 21 16 00-0277	EA		2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1).....	98.32	9.64
23 21 16 00-0278	EA		4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1).....	141.89	9.64
23 21 16 00-0279			<b>Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks</b> <small>(23 21 16)</small>		
23 21 16 00-0280	EA		15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,108.52	314.34
23 21 16 00-0281	EA		20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,157.34	314.34
23 21 16 00-0282	EA		30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,206.14	314.34
23 21 16 00-0283	EA		40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,333.03	314.34
23 21 16 00-0284	EA		47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,586.08	418.87
23 21 16 00-0285	EA		60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,878.23	419.08
23 21 16 00-0286	EA		80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,936.21	419.08
23 21 16 00-0287	EA		87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,994.19	419.08
23 21 16 00-0288	EA		120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,538.94	523.72
23 21 16 00-0289	EA		187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	7,454.42	523.72
23 21 16 00-0290	EA		264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	9,487.06	628.25
23 21 16 00-0291			<b>ASME Construction Compression Tanks</b> <small>(23 21 16)</small>		
			Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height.		
23 21 16 00-0292	EA		15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank.....	1,095.02	184.35
			<i>For Galvanized Steel Tanks, Add</i>	407.85	
23 21 16 00-0293	EA		24 Gallon, 13" x 51" ASME Construction Compression Tank.....	1,115.77	189.59
			<i>For Galvanized Steel Tanks, Add</i>	413.86	
23 21 16 00-0294	EA		30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank.....	1,221.15	195.87
			<i>For Galvanized Steel Tanks, Add</i>	461.84	
23 21 16 00-0295	EA		40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank.....	1,340.62	203.21
			<i>For Galvanized Steel Tanks, Add</i>	515.82	
23 21 16 00-0296	EA		60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank.....	1,572.26	214.73
			<i>For Galvanized Steel Tanks, Add</i>	623.78	
23 21 16 00-0297	EA		80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank.....	1,633.42	223.11
			<i>For Galvanized Steel Tanks, Add</i>	647.77	
23 21 16 00-0298	EA		100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank.....	2,034.93	243.01
			<i>For Galvanized Steel Tanks, Add</i>	833.71	
23 21 16 00-0299	EA		120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank.....	2,218.60	260.81
			<i>For Galvanized Steel Tanks, Add</i>	911.67	
23 21 16 00-0300	EA		144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank.....	2,771.83	294.33
			<i>For Galvanized Steel Tanks, Add</i>	1,163.06	
23 21 16 00-0301	EA		180 Gallon, 30" x 60" ASME Construction Compression Tank.....	3,533.86	337.28
			<i>For Galvanized Steel Tanks, Add</i>	1,511.46	
23 21 16 00-0302	EA		202 Gallon, 30" x 72" ASME Construction Compression Tank.....	4,244.35	373.93
			<i>For Galvanized Steel Tanks, Add</i>	1,839.09	
23 21 16 00-0303	EA		230 Gallon, 30" x 84" ASME Construction Compression Tank.....	4,642.19	406.40
			<i>For Galvanized Steel Tanks, Add</i>	2,013.03	
23 21 16 00-0304	EA		280 Gallon, 30" x 96" ASME Construction Compression Tank.....	5,889.38	446.21
			<i>For Galvanized Steel Tanks, Add</i>	2,606.81	
23 21 16 00-0305	EA		306 Gallon, 30" x 108" ASME Construction Compression Tank.....	6,070.05	476.59
			<i>For Galvanized Steel Tanks, Add</i>	2,673.84	
23 21 16 00-0306	EA		340 Gallon, 36" x 84" ASME Construction Compression Tank.....	7,860.03	512.20
			<i>For Galvanized Steel Tanks, Add</i>	3,542.08	
23 21 16 00-0307	EA		550 Gallon, 36" x 96" ASME Construction Compression Tank.....	13,184.49	601.23
			<i>For Galvanized Steel Tanks, Add</i>	6,136.84	
23 21 16 00-0308			<b>Compression Tank Air Fittings</b> <small>(23 21 16)</small>		
23 21 16 00-0309	EA		9" To 24" Diameter Compression Tank Air Fittings.....	196.67	29.32
23 21 16 00-0310	EA		>100 Gallon Compression Tank Air Fittings.....	631.39	34.57



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 21 16 00-0311**

**Vortex Air Separators With Strainer** (23 21 16)

Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.

23 21 16 00-0312	EA		2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N) .....	1,248.66	223.11
			<i>For 300 PSIG, Add</i>	136.62	
23 21 16 00-0313	EA		2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N) .....	1,541.23	255.58
			<i>For 300 PSIG, Add</i>	172.99	
23 21 16 00-0314	EA		3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N) .....	2,352.41	300.62
			<i>For 300 PSIG, Add</i>	284.55	
23 21 16 00-0315	EA		3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F) .....	2,514.12	318.38
			<i>For 300 PSIG, Add</i>	304.76	
23 21 16 00-0316	EA		4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F) .....	3,246.18	424.51
			<i>For 300 PSIG, Add</i>	390.45	
23 21 16 00-0317	EA		5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F) .....	4,089.45	504.89
			<i>For 300 PSIG, Add</i>	498.77	
23 21 16 00-0318	EA		6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F) .....	4,848.84	571.70
			<i>For 300 PSIG, Add</i>	597.39	
23 21 16 00-0319	EA		8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F) .....	6,956.81	685.86
			<i>For 300 PSIG, Add</i>	887.60	
23 21 16 00-0320	EA		10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F) .....	10,676.99	779.60
			<i>For 300 PSIG, Add</i>	1,424.37	
23 21 16 00-0321	EA		12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F) .....	14,397.37	1,008.84
			<i>For 300 PSIG, Add</i>	1,930.31	
23 21 16 00-0322	EA		14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F) .....	29,893.32	1,225.08
			<i>For 300 PSIG, Add</i>	4,205.57	
23 21 16 00-0323	EA		16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F) .....	36,899.63	1,470.10
			<i>For 300 PSIG, Add</i>	5,200.83	
23 21 16 00-0324	EA		18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-18F) .....	48,121.60	1,715.12
			<i>For 300 PSIG, Add</i>	6,828.44	
23 21 16 00-0325	EA		20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F) .....	56,298.79	1,960.14
			<i>For 300 PSIG, Add</i>	7,999.33	

**23 21 16 00-0326**

**Vortex Air Separators** (23 21 16)

Note: Without system strainer.

23 21 16 00-0327	EA		2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N) .....	1,070.82	223.11
			<i>For 300 PSIG, Add</i>	109.94	
23 21 16 00-0328	EA		2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N) .....	1,347.22	255.58
			<i>For 300 PSIG, Add</i>	143.89	
23 21 16 00-0329	EA		3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N) .....	2,303.91	300.62
			<i>For 300 PSIG, Add</i>	277.28	
23 21 16 00-0330	EA		3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F) .....	2,088.37	318.38
			<i>For 300 PSIG, Add</i>	240.90	
23 21 16 00-0331	EA		4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F) .....	2,798.88	424.51
			<i>For 300 PSIG, Add</i>	323.35	
23 21 16 00-0332	EA		5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F) .....	3,620.59	504.89
			<i>For 300 PSIG, Add</i>	428.44	
23 21 16 00-0333	EA		6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F) .....	4,212.91	571.70
			<i>For 300 PSIG, Add</i>	502.00	
23 21 16 00-0334	EA		8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F) .....	5,598.73	685.86
			<i>For 300 PSIG, Add</i>	683.89	
23 21 16 00-0335	EA		10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F) .....	7,772.21	779.60
			<i>For 300 PSIG, Add</i>	988.65	
23 21 16 00-0336	EA		12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F) .....	11,956.73	1,008.84
			<i>For 300 PSIG, Add</i>	1,564.22	
23 21 16 00-0337	EA		14" Flanged, 6,100 GPM Vortex Air Separator (Rolairtrol RL-14F) .....	20,302.19	1,225.08
			<i>For 300 PSIG, Add</i>	2,766.90	
23 21 16 00-0338	EA		16" Flanged, 8,000 GPM Vortex Air Separator (Rolairtrol RL-16F) .....	25,711.83	1,470.10
			<i>For 300 PSIG, Add</i>	3,522.66	
23 21 16 00-0339	EA		18" Flanged, 9,700 GPM Vortex Air Separator (Rolairtrol RL-18F) .....	34,350.29	1,715.12
			<i>For 300 PSIG, Add</i>	4,762.74	
23 21 16 00-0340	EA		20" Flanged, 12,000 GPM Vortex Air Separator (Rolairtrol RL-20F) .....	46,933.86	1,960.14
			<i>For 300 PSIG, Add</i>	6,594.59	
23 21 16 00-0341	EA		22" Flanged, 15,000 GPM Vortex Air Separator (Rolairtrol RL-22F) .....	57,453.95	2,205.16
			<i>For 300 PSIG, Add</i>	8,116.92	
23 21 16 00-0342	EA		24" Flanged, 17,000 GPM Vortex Air Separator (Rolairtrol RL-24F) .....	67,974.04	2,450.17
			<i>For 300 PSIG, Add</i>	9,639.25	

**23 21 16 00-0343**

**Grooved, With Strainer, Vortex Air Separators** (23 21 16)

23 21 16 00-0344	EA		3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G) .....	2,202.08	254.70
23 21 16 00-0345	EA		4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G) .....	3,117.22	339.40
23 21 16 00-0346	EA		5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G) .....	3,936.57	403.53
23 21 16 00-0347	EA		6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G) .....	4,675.53	457.37
23 21 16 00-0348	EA		8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G) .....	6,738.13	548.84
23 21 16 00-0349	EA		10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G) .....	10,861.08	623.68
23 21 16 00-0350	EA		12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G) .....	16,519.95	807.16

**23 21 16 00-0351**

**Grooved Vortex Air Separators** (23 21 16)

Note: Without system strainer.

23 21 16 00-0352	EA		3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G) .....	1,760.17	254.70
23 21 16 00-0353	EA		4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G) .....	2,669.92	339.40
23 21 16 00-0354	EA		5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G) .....	3,467.71	403.53

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0355	EA		6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G) .....	4,039.60	457.37
23 21 16 00-0356	EA		8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G) .....	5,390.83	548.84
23 21 16 00-0357	EA		10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G) .....	7,913.19	623.68
23 21 16 00-0358	EA		12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G) .....	13,120.36	807.16
<b>23 21 16 00-0359</b>			<b>Removable Head, Air Eliminator And Dirt Separator</b> <small>(23 21 16)</small>		
			Note: Spirovent VDN.		
23 21 16 00-0360	EA		2", 45 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	3,585.09	223.11
23 21 16 00-0361	EA		2-1/2", 70 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	3,881.42	255.58
23 21 16 00-0362	EA		3", 95 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	5,184.18	300.62
23 21 16 00-0363	EA		4", 170 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	5,920.91	460.87
23 21 16 00-0364	EA		5", 260 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	8,653.54	569.80
23 21 16 00-0365	EA		6", 375 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	11,140.10	645.23
23 21 16 00-0366	EA		8", 625 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	17,405.22	145.60
23 21 16 00-0367	EA		10", 950 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	25,709.26	879.85
23 21 16 00-0368	EA		12", 1,400 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	33,229.03	1,138.57
<b>23 21 16 00-0369</b>			<b>Swivel Joints</b> <small>(23 21 16)</small>		
<b>23 21 16 00-0370</b>			<b>Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)</b> <small>(23 21 16 00-0369)</small>		
			Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0371	EA		1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	321.30	27.55
23 21 16 00-0372	EA		1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) .....	461.68	40.32
23 21 16 00-0373	EA		2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	647.21	47.14
23 21 16 00-0374	EA		3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	965.39	80.66
23 21 16 00-0375	EA		4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,223.94	91.65
			<i>For Stainless Steel, Add</i> <b>1,560.96</b>		
23 21 16 00-0376	EA		2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	901.86	139.63
			<i>For Stainless Steel, Add</i> <b>1,090.92</b>		
23 21 16 00-0377	EA		3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,218.69	111.39
23 21 16 00-0378	EA		4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,551.87	298.52
23 21 16 00-0379	EA		6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	2,879.75	377.08
<b>23 21 16 00-0380</b>			<b>Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)</b> <small>(23 21 16 00-0369)</small>		
			Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0381	EA		1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) .....	408.84	27.55
			<i>For Stainless Steel, Add</i> <b>530.57</b>		
23 21 16 00-0382	EA		1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) .....	503.03	40.32
			<i>For Stainless Steel, Add</i> <b>633.68</b>		
23 21 16 00-0383	EA		2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) .....	677.89	47.14
			<i>For Stainless Steel, Add</i> <b>874.01</b>		
23 21 16 00-0384	EA		3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) .....	1,089.44	80.66
			<i>For Stainless Steel, Add</i> <b>1,392.45</b>		
23 21 16 00-0385	EA		4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) .....	1,426.55	91.65
			<i>For Stainless Steel, Add</i> <b>1,864.88</b>		
23 21 16 00-0386	EA		2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	929.90	139.63
			<i>For Stainless Steel, Add</i> <b>1,132.98</b>		
23 21 16 00-0387	EA		3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,379.27	111.39
			<i>For Stainless Steel, Add</i> <b>1,734.62</b>		
23 21 16 00-0388	EA		4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,737.25	298.52
			<i>For Stainless Steel, Add</i> <b>2,044.74</b>		
23 21 16 00-0389	EA		6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	3,007.77	377.08
			<i>For Stainless Steel, Add</i> <b>3,802.10</b>		
<b>23 21 16 00-0390</b>			<b>Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)</b> <small>(23 21 16 00-0369)</small>		
			Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0391	EA		1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	481.10	27.55
			<i>For Stainless Steel, Add</i> <b>638.96</b>		
23 21 16 00-0392	EA		1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	558.16	40.32
			<i>For Stainless Steel, Add</i> <b>716.37</b>		
23 21 16 00-0393	EA		2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	816.47	47.14
			<i>For Stainless Steel, Add</i> <b>1,081.88</b>		
23 21 16 00-0394	EA		3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,256.22	80.66
			<i>For Stainless Steel, Add</i> <b>1,642.62</b>		
23 21 16 00-0395	EA		4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,481.68	91.65
			<i>For Stainless Steel, Add</i> <b>1,947.57</b>		
23 21 16 00-0396	EA		2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) .....	1,067.73	139.63
			<i>For Stainless Steel, Add</i> <b>1,339.73</b>		
23 21 16 00-0397	EA		3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) .....	1,550.18	111.39
			<i>For Stainless Steel, Add</i> <b>1,990.98</b>		
23 21 16 00-0398	EA		4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) .....	1,913.67	298.52
			<i>For Stainless Steel, Add</i> <b>2,309.37</b>		
23 21 16 00-0399	EA		6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) .....	3,386.81	377.08
			<i>For Stainless Steel, Add</i> <b>4,370.66</b>		
<b>23 21 16 00-0400</b>			<b>Basket Strainers</b> <small>(23 21 16)</small>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 16 00-0401 Bronze Body Basket Strainers</b> (23 21 16 00-0400)		
<b>23 21 16 00-0402 Screwed Ends, Bronze Body Basket Strainers</b> (23 21 16 00-0401)		
23 21 16 00-0403 EA 1/2" Screwed Ends, Bronze Body Basket Strainer.....	281.67	20.95
For Work In Restricted Working Space, Add	12.47	
23 21 16 00-0404 EA 3/4" Screwed Ends, Bronze Body Basket Strainer.....	332.89	24.62
For Work In Restricted Working Space, Add	14.65	
23 21 16 00-0405 EA 1" Screwed Ends, Bronze Body Basket Strainer.....	386.20	29.32
For Work In Restricted Working Space, Add	17.46	
23 21 16 00-0406 EA 1-1/4" Screwed Ends, Bronze Body Basket Strainer .....	480.76	32.47
For Work In Restricted Working Space, Add	19.46	
23 21 16 00-0407 EA 1-1/2" Screwed Ends, Bronze Body Basket Strainer .....	567.60	36.66
For Work In Restricted Working Space, Add	21.98	
23 21 16 00-0408 EA 2" Screwed Ends, Bronze Body Basket Strainer.....	845.02	41.90
For Work In Restricted Working Space, Add	25.16	
23 21 16 00-0409 EA 2-1/2" Screwed Ends, Bronze Body Basket Strainer .....	1,195.22	56.04
For Work In Restricted Working Space, Add	33.71	
23 21 16 00-0410 EA 3" Screwed Ends, Bronze Body Basket Strainer.....	1,680.67	59.71
For Work In Restricted Working Space, Add	35.75	
<b>23 21 16 00-0411 Flanged, Bronze Body Basket Strainers</b> (23 21 16 00-0401)		
23 21 16 00-0412 EA 2" Flanged, Bronze Body Basket Strainer.....	1,328.06	139.63
For Work In Restricted Working Space, Add	52.37	
23 21 16 00-0413 EA 2-1/2" Flanged, Bronze Body Basket Strainer .....	1,995.20	151.88
For Work In Restricted Working Space, Add	57.13	
23 21 16 00-0414 EA 3" Flanged, Bronze Body Basket Strainer.....	2,263.02	178.07
For Work In Restricted Working Space, Add	66.86	
23 21 16 00-0415 EA 4" Flanged, Bronze Body Basket Strainer.....	3,826.67	298.52
For Work In Restricted Working Space, Add	112.23	
23 21 16 00-0416 EA 6" Flanged, Bronze Body Basket Strainer.....	7,245.83	334.12
For Work In Restricted Working Space, Add	125.74	
23 21 16 00-0417 EA 8" Flanged, Bronze Body Basket Strainer.....	13,202.88	426.93
For Work In Restricted Working Space, Add	159.10	
<b>23 21 16 00-0418 Iron Body Basket Strainers</b> (23 21 16 00-0400)		
<b>23 21 16 00-0419 Screwed Ends, Iron Body Basket Strainers</b> (23 21 16 00-0418)		
23 21 16 00-0420 EA 1/2" Screwed Ends, Iron Body Basket Strainer.....	354.82	20.95
For Work In Restricted Working Space, Add	12.47	
23 21 16 00-0421 EA 3/4" Screwed Ends, Iron Body Basket Strainer.....	399.46	24.62
For Work In Restricted Working Space, Add	14.65	
23 21 16 00-0422 EA 1" Screwed Ends, Iron Body Basket Strainer.....	472.05	29.32
For Work In Restricted Working Space, Add	17.46	
23 21 16 00-0423 EA 1-1/4" Screwed Ends, Iron Body Basket Strainer.....	619.55	32.47
For Work In Restricted Working Space, Add	19.46	
23 21 16 00-0424 EA 1-1/2" Screwed Ends, Iron Body Basket Strainer.....	679.65	36.66
For Work In Restricted Working Space, Add	21.98	
23 21 16 00-0425 EA 2" Screwed Ends, Iron Body Basket Strainer.....	808.11	41.90
For Work In Restricted Working Space, Add	25.16	
23 21 16 00-0426 EA 2-1/2" Screwed Ends, Iron Body Basket Strainer.....	1,146.98	56.04
For Work In Restricted Working Space, Add	33.71	
23 21 16 00-0427 EA 3" Screwed Ends, Iron Body Basket Strainer.....	1,297.47	59.71
For Work In Restricted Working Space, Add	35.75	
<b>23 21 16 00-0428 Flanged, Iron Body Basket Strainers</b> (23 21 16 00-0418)		
23 21 16 00-0429 EA 2" Flanged, Iron Body Basket Strainer.....	800.14	139.63
For Work In Restricted Working Space, Add	52.37	
23 21 16 00-0430 EA 2-1/2" Flanged, Iron Body Basket Strainer.....	1,033.59	151.88
For Work In Restricted Working Space, Add	57.13	
23 21 16 00-0431 EA 3" Flanged, Iron Body Basket Strainer.....	1,120.40	178.07
For Work In Restricted Working Space, Add	66.86	
23 21 16 00-0432 EA 4" Flanged, Iron Body Basket Strainer.....	1,724.94	298.52
For Work In Restricted Working Space, Add	112.23	
23 21 16 00-0433 EA 6" Flanged, Iron Body Basket Strainer.....	3,048.31	334.12
For Work In Restricted Working Space, Add	125.74	
23 21 16 00-0434 EA 8" Flanged, Iron Body Basket Strainer.....	5,380.70	426.93
For Work In Restricted Working Space, Add	159.10	
23 21 16 00-0435 EA 10" Flanged, Iron Body Basket Strainer.....	7,947.87	519.73
For Work In Restricted Working Space, Add	194.90	
23 21 16 00-0436 EA 12" Flanged, Iron Body Basket Strainer.....	9,968.47	655.24
For Work In Restricted Working Space, Add	393.10	
23 21 16 00-0437 EA 14" Flanged, Iron Body Basket Strainer.....	11,852.75	742.48
For Work In Restricted Working Space, Add	278.43	
23 21 16 00-0438 EA 16" Flanged, Iron Body Basket Strainer.....	12,444.19	816.72
For Work In Restricted Working Space, Add	306.27	
<b>23 21 16 00-0439 Cast Steel Body Basket Strainers</b> (23 21 16 00-0400)		
<b>23 21 16 00-0440 Screwed Ends, Cast Steel Body Basket Strainers</b> (23 21 16 00-0439)		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0441	EA		1" Screwed Ends, Cast Steel Body Basket Strainer .....	766.32	29.32
			<i>For Work In Restricted Working Space, Add</i>	17.46	
23 21 16 00-0442	EA		1-1/4" Screwed Ends, Cast Steel Body Basket Strainer .....	1,010.04	32.47
			<i>For Work In Restricted Working Space, Add</i>	19.46	
23 21 16 00-0443	EA		1-1/2" Screwed Ends, Cast Steel Body Basket Strainer .....	1,138.41	36.66
			<i>For Work In Restricted Working Space, Add</i>	21.97	
23 21 16 00-0444	EA		2" Screwed Ends, Cast Steel Body Basket Strainer .....	1,599.12	41.90
			<i>For Work In Restricted Working Space, Add</i>	25.16	
23 21 16 00-0445	EA		2-1/2" Screwed Ends, Cast Steel Body Basket Strainer .....	2,242.70	56.04
			<i>For Work In Restricted Working Space, Add</i>	33.70	
23 21 16 00-0446	EA		3" Screwed Ends, Cast Steel Body Basket Strainer .....	2,909.65	59.71
			<i>For Work In Restricted Working Space, Add</i>	35.76	
<b>23 21 16 00-0447</b>			<b>Flanged, Cast Steel Body Basket Strainers (23 21 16 00-0439)</b>		
23 21 16 00-0448	EA		2" Flanged, Cast Steel Body Basket Strainer.....	2,379.95	139.63
			<i>For Work In Restricted Working Space, Add</i>	52.37	
23 21 16 00-0449	EA		2-1/2" Flanged, Cast Steel Body Basket Strainer .....	3,415.98	151.88
			<i>For Work In Restricted Working Space, Add</i>	57.13	
23 21 16 00-0450	EA		3" Flanged, Cast Steel Body Basket Strainer.....	3,748.45	178.07
			<i>For Work In Restricted Working Space, Add</i>	66.86	
23 21 16 00-0451	EA		4" Flanged, Cast Steel Body Basket Strainer.....	5,324.91	298.52
			<i>For Work In Restricted Working Space, Add</i>	112.23	
23 21 16 00-0452	EA		6" Flanged, Cast Steel Body Basket Strainer.....	9,345.63	334.12
			<i>For Work In Restricted Working Space, Add</i>	125.74	
23 21 16 00-0453	EA		8" Flanged, Cast Steel Body Basket Strainer.....	15,157.78	426.93
			<i>For Work In Restricted Working Space, Add</i>	159.10	
<b>23 21 16 00-0454</b>			<b>Stainless Steel Body Basket Strainers (23 21 16 00-0400)</b>		
<b>23 21 16 00-0455</b>			<b>Screwed Ends, Stainless Steel Body Basket Strainers (23 21 16 00-0454)</b>		
23 21 16 00-0456	EA		1" Screwed Ends, Stainless Steel Body Basket Strainer .....	541.89	29.32
			<i>For Work In Restricted Working Space, Add</i>	17.46	
23 21 16 00-0457	EA		1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer .....	780.84	32.47
			<i>For Work In Restricted Working Space, Add</i>	19.46	
23 21 16 00-0458	EA		1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer .....	805.95	36.66
			<i>For Work In Restricted Working Space, Add</i>	21.97	
23 21 16 00-0459	EA		2" Screwed Ends, Stainless Steel Body Basket Strainer .....	1,192.54	41.90
			<i>For Work In Restricted Working Space, Add</i>	25.16	
23 21 16 00-0460	EA		2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer .....	1,685.54	56.04
			<i>For Work In Restricted Working Space, Add</i>	33.70	
23 21 16 00-0461	EA		3" Screwed Ends, Stainless Steel Body Basket Strainer .....	2,382.02	59.71
			<i>For Work In Restricted Working Space, Add</i>	35.76	
<b>23 21 16 00-0462</b>			<b>Flanged, Stainless Steel Body Basket Strainers (23 21 16 00-0454)</b>		
23 21 16 00-0463	EA		2" Flanged, Stainless Steel Body Basket Strainer .....	1,824.41	139.63
			<i>For Work In Restricted Working Space, Add</i>	52.37	
23 21 16 00-0464	EA		2-1/2" Flanged, Stainless Steel Body Basket Strainer .....	2,759.77	151.88
			<i>For Work In Restricted Working Space, Add</i>	57.13	
23 21 16 00-0465	EA		3" Flanged, Stainless Steel Body Basket Strainer .....	3,125.02	178.07
			<i>For Work In Restricted Working Space, Add</i>	66.86	
23 21 16 00-0466	EA		4" Flanged, Stainless Steel Body Basket Strainer .....	5,282.87	298.52
			<i>For Work In Restricted Working Space, Add</i>	112.23	
23 21 16 00-0467	EA		6" Flanged, Stainless Steel Body Basket Strainer .....	8,081.62	334.12
			<i>For Work In Restricted Working Space, Add</i>	125.74	
23 21 16 00-0468	EA		8" Flanged, Stainless Steel Body Basket Strainer .....	14,035.46	426.93
			<i>For Work In Restricted Working Space, Add</i>	159.10	
<b>23 21 16 00-0469</b>			<b>Air Vents (23 21 16)</b>		
<b>23 21 16 00-0470</b>			<b>Screwed Ends, Cast Iron, Automatic Air Vents (23 21 16 00-0469)</b>		
			Note: With guided free floating lever.		
23 21 16 00-0471	EA		1/2" NPT, Cast Iron, Automatic Air Vent .....	404.73	30.37
23 21 16 00-0472	EA		3/4" NPT, Cast Iron, Automatic Air Vent .....	492.84	40.32
23 21 16 00-0473	EA		1" NPT, Cast Iron, Automatic Air Vent .....	1,175.02	41.90
23 21 16 00-0474	EA		1-1/4" NPT, Cast Iron, Automatic Air Vent .....	1,739.78	64.73
23 21 16 00-0475	EA		1-1/2" NPT, Cast Iron, Automatic Air Vent .....	2,940.23	69.66
23 21 16 00-0476	EA		2" NPT, Cast Iron, Automatic Air Vent .....	3,363.87	91.86
<b>23 21 16 00-0477</b>			<b>Forged Steel, Stainless Steel Internals, Automatic Air Vents (23 21 16 00-0469)</b>		
			Note: With guided free floating lever.		
23 21 16 00-0478	EA		1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	2,199.40	35.09
23 21 16 00-0479	EA		3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	2,758.03	40.32
23 21 16 00-0480	EA		1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	3,293.63	41.90
23 21 16 00-0481	EA		1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	5,405.85	64.94
23 21 16 00-0482	EA		1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	6,245.76	69.66
23 21 16 00-0483	EA		2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	9,186.75	91.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 16 00-0484 Automatic Air Vent</b> <small>(23 21 16 00-0484)</small>		
23 21 16 00-0485 EA 3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) .....	233.06	40.32
23 21 16 00-0486 EA 1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) .....	255.61	41.90
23 21 16 00-0487 EA 1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) .....	360.90	64.73
23 21 16 00-0488 EA 1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) .....	448.20	69.66
23 21 16 00-0489 EA 2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) .....	574.90	75.06
<b>23 21 16 00-0490 Manual Air Vent</b> <small>(23 21 16 00-0490)</small>		
23 21 16 00-0491 EA Manual Air Vent .....	71.73	37.81
<b>23 21 16 00-0492 Air Release Valves</b> <small>(23 21 16 00-0492)</small>		
<b>23 21 16 00-0493 Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)</b> <small>(23 21 16 00-0493)</small>		
<small>Note: Up to 175 psi. Stainless steel float.</small>		
23 21 16 00-0494 EA 1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) .....	194.42	15.72
23 21 16 00-0495 EA 3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) .....	198.62	17.80
23 21 16 00-0496 EA 1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) .....	206.99	22.00
<b>23 21 16 00-0497 Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)</b> <small>(23 21 16 00-0497)</small>		
<small>Note: Up to 175 psi. Stainless steel float.</small>		
23 21 16 00-0498 EA 1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A) .....	805.69	22.00
23 21 16 00-0499 EA 2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) .....	963.90	38.24
23 21 16 00-0500 EA 3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) .....	1,262.78	89.14
<b>23 21 16 00-0501 Cast Iron, Air/Vacuum Valves</b> <small>(23 21 16 00-0501)</small>		
<small>Note: Up to 150 psi. Stainless steel float.</small>		
23 21 16 00-0502 EA 1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141) .....	388.47	15.72
23 21 16 00-0503 EA 1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142) .....	478.66	22.00
23 21 16 00-0504 EA 2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144) .....	826.78	38.24
23 21 16 00-0505 EA 3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146) .....	1,200.68	89.14
23 21 16 00-0506 EA 4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152) .....	1,876.56	149.64
23 21 16 00-0507 EA 6" Flanged, Cast Iron, Air/Vacuum Valve (Apco 153) .....	2,862.63	189.22
<b>23 21 16 00-0508 Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice</b> <small>(23 21 16 00-0508)</small>		
<small>Note: Up to 150 psi. Stainless Steel float.</small>		
23 21 16 00-0509 EA 1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C) .....	695.99	22.00
23 21 16 00-0510 EA 2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C) .....	1,067.40	38.24
23 21 16 00-0511 EA 3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C) .....	1,963.94	89.14
23 21 16 00-0512 EA 4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C) .....	2,541.49	149.64
<b>23 21 23 Hydronic Pumps</b> <small>(23 21)</small>		
<b>23 21 23 13 In-Line Centrifugal Hydronic Pumps</b> <small>(23 21 23)</small>		
<b>23 21 23 13-0001 Cast Iron Single Stage In-Line Centrifugal Pump</b> <small>(23 21 23 13)</small>		
<small>Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.</small>		
23 21 23 13-0002 EA 3 HP, 50 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump .....	5,136.28	279.79
<i>For Mechanical Seal, Add</i>		
	343.79	
<i>For Cast Steel Case, Add</i>		
	773.52	
23 21 23 13-0003 EA 5 HP, 75 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump .....	5,622.41	338.64
<i>For Mechanical Seal, Add</i>		
	368.55	
<i>For Cast Steel Case, Add</i>		
	829.23	
23 21 23 13-0004 EA 7-1/2 HP, 100 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump .....	6,503.25	402.32
<i>For Mechanical Seal, Add</i>		
	423.78	
<i>For Cast Steel Case, Add</i>		
	953.51	
23 21 23 13-0005 EA 10 HP, 125 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump .....	7,320.11	536.42
<i>For Mechanical Seal, Add</i>		
	456.97	
<i>For Cast Steel Case, Add</i>		
	1,028.18	
23 21 23 13-0006 EA 15 HP, 150 GPM At 200' Head, Single Stage Cast Iron In-Line Circulating Pump .....	8,379.24	584.66
<i>For Mechanical Seal, Add</i>		
	530.00	
<i>For Cast Steel Case, Add</i>		
	1,192.51	
23 21 23 13-0007 EA 30 HP, 200 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump .....	12,428.90	643.51
<i>For Mechanical Seal, Add</i>		
	839.94	
<i>For Cast Steel Case, Add</i>		
	1,889.87	
23 21 23 13-0008 EA 40 HP, 250 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump .....	14,625.29	803.68
<i>For Mechanical Seal, Add</i>		
	977.06	
<i>For Cast Steel Case, Add</i>		
	2,198.39	
23 21 23 13-0009 EA 50 HP, 300 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump .....	20,261.52	918.48
<i>For Mechanical Seal, Add</i>		
	1,400.40	
<i>For Cast Steel Case, Add</i>		
	3,150.89	
23 21 23 13-0010 EA 75 HP, 400 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump .....	25,684.00	962.44
<i>For Mechanical Seal, Add</i>		
	1,823.73	
<i>For Cast Steel Case, Add</i>		
	4,103.39	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 21 23 13-0011	EA	100 HP, 600 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	28,123.24 1,952.87 4,393.95		1,237.15
<b>23 21 23 13-0012</b>		<b>Cast Iron, Single Stage, Vertical In-Line, Close Coupled, Pump</b> <small>(23 21 23 13)</small> Note: For general service, 125 LB flanged, 1,800 RPM TEFC motor.			
23 21 23 13-0013	EA	1/2 HP, 1-1/2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	1,800.35		160.64
23 21 23 13-0014	EA	3/4 HP, 2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	3,145.36		183.60
23 21 23 13-0015	EA	1 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	3,420.75		205.60
23 21 23 13-0016	EA	1-1/2 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	3,600.01		223.54
23 21 23 13-0017	EA	2 HP, 4" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,688.96		244.77
23 21 23 13-0018	EA	3 HP, 5" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,829.09		270.53
23 21 23 13-0019	EA	5 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	5,525.36		321.27
23 21 23 13-0020	EA	7-1/2 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,438.39		395.47
23 21 23 13-0021	EA	10 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	8,252.72		428.37
23 21 23 13-0022	EA	15 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	9,625.50		453.55
23 21 23 13-0023	EA	20 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	12,325.59		481.92
23 21 23 13-0024	EA	25 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	13,001.43		498.03
23 21 23 13-0025	EA	30 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	13,677.27		514.04
23 21 23 13-0026	EA	40 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	16,214.27		550.80
23 21 23 13-0027	EA	50 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	17,553.34		634.44
23 21 23 13-0028	EA	60 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	19,487.89		916.37
23 21 23 13-0029	EA	75 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	23,327.51		1,832.73
23 21 23 13-0030	EA	100 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	26,855.01		2,199.28
<b>23 21 23 13-0031</b>		<b>Cast Iron Single Stage In-Line Close Coupled Centrifugal Pump</b> <small>(23 21 23 13)</small> Note: 1750 RPM premium efficient motor.			
23 21 23 13-0032	EA	5 HP, 460 Volt, 3 Phase, 1750 RPM Cast Iron Single Stage In-Line Close Coupled Centrifugal Pump (BELL & GOSSETT E-80 6X6X7B) Note: 6" flanged connection size, 175 PSI	7,475.86		338.64
<b>23 21 23 16</b>		<b>Base-Mounted, Centrifugal Hydronic Pumps</b> <small>(23 21 23)</small> See CSI section 26 29 23 00-0000 for variable frequency motor controllers.			
<b>23 21 23 16-0001</b>		<b>Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump</b> <small>(23 21 23 16)</small> Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.			
23 21 23 16-0002	EA	5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)	6,480.88		305.84
23 21 23 16-0003	EA	7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)	7,282.51		306.22
23 21 23 16-0004	EA	10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)	9,614.16		402.32
23 21 23 16-0005	EA	15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T)	10,503.39		494.94
23 21 23 16-0006	EA	15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T)	11,791.84		494.94
23 21 23 16-0007	EA	20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T)	11,437.79		536.42
23 21 23 16-0008	EA	20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)	12,170.32		536.42
23 21 23 16-0009	EA	25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)	13,300.63		562.48
23 21 23 16-0010	EA	30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)	14,764.93		714.92
23 21 23 16-0011	EA	40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)	15,597.53		803.68
23 21 23 16-0012	EA	60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)	23,543.65		1,926.65
23 21 23 16-0013	EA	75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)	34,388.84		2,311.56
23 21 23 16-0014	EA	100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)	38,857.97		2,889.44
<b>23 21 23 16-0015</b>		<b>Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump</b> <small>(23 21 23 16)</small> Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.			
23 21 23 16-0016	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case <i>For 300 LB Flanges, Add</i>	4,741.16 1,083.95		224.79
23 21 23 16-0017	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case <i>For 300 LB Flanges, Add</i>	5,993.00 1,407.80		241.20
23 21 23 16-0018	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case <i>For 300 LB Flanges, Add</i>	7,504.48 1,768.92		257.60
23 21 23 16-0019	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case <i>For 300 LB Flanges, Add</i>	8,768.88 2,054.39		305.84
23 21 23 16-0020	EA	7-1/2 HP, 150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case <i>For 300 LB Flanges, Add</i>	9,215.77 2,159.22		306.22
23 21 23 16-0021	EA	10 HP, 200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case <i>For 300 LB Flanges, Add</i>	9,667.76 2,236.04		402.32
23 21 23 16-0022	EA	10 HP, 225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case <i>For 300 LB Flanges, Add</i>	9,878.62 2,288.76		402.32
23 21 23 16-0023	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case <i>For 300 LB Flanges, Add</i>	10,345.66 2,405.52		402.32
23 21 23 16-0024	EA	15 HP, 300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case <i>For 300 LB Flanges, Add</i>	12,025.21 2,783.66		494.94
23 21 23 16-0025	EA	17-1/2 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case <i>For 300 LB Flanges, Add</i>	12,218.34 2,822.96		494.56
23 21 23 16-0026	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case <i>For 300 LB Flanges, Add</i>	12,875.87 2,977.77		536.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0027 EA 25 HP, 600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case ..... <i>For 300 LB Flanges, Add</i>	14,123.89 3,270.50	562.48
23 21 23 16-0028 EA 30 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case ..... <i>For 300 LB Flanges, Add</i>	15,650.90 3,591.13	714.92
23 21 23 16-0029 EA 40 HP, 1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case ..... <i>For 300 LB Flanges, Add</i>	17,750.84 4,075.91	803.68
23 21 23 16-0030 EA 60 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case ..... <i>For 300 LB Flanges, Add</i>	28,111.69 6,099.17	1,926.65
23 21 23 16-0031 EA 75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case ..... <i>For 300 LB Flanges, Add</i>	33,446.43 7,247.11	2,311.56
23 21 23 16-0032 EA 100 HP, 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case ..... <i>For 300 LB Flanges, Add</i>	40,831.74 8,814.81	2,889.44
<b>23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump</b> <small>(23 21 23 16)</small>		
<i>Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.</i>		
23 21 23 16-0034 EA 1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case ..... <i>For 300 LB Flanges, Add</i>	4,559.97 1,038.65	224.79
23 21 23 16-0035 EA 2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case ..... <i>For 300 LB Flanges, Add</i>	4,687.04 1,063.21	241.20
23 21 23 16-0036 EA 3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case ..... <i>For 300 LB Flanges, Add</i>	4,814.23 1,087.78	257.60
23 21 23 16-0037 EA 5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case ..... <i>For 300 LB Flanges, Add</i>	5,219.98 1,186.37	263.39
23 21 23 16-0038 EA 7-1/2 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case ..... <i>For 300 LB Flanges, Add</i>	8,442.20 1,972.72	305.84
23 21 23 16-0039 EA 10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case ..... <i>For 300 LB Flanges, Add</i>	10,213.05 2,396.84	402.32
23 21 23 16-0040 EA 15 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case ..... <i>For 300 LB Flanges, Add</i>	11,490.78 2,691.80	434.15
23 21 23 16-0041 EA 20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case ..... <i>For 300 LB Flanges, Add</i>	12,193.31 2,825.68	482.39
23 21 23 16-0042 EA 25 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case ..... <i>For 300 LB Flanges, Add</i>	13,537.60 3,167.85	481.68
23 21 23 16-0043 EA 40 HP, 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case ..... <i>For 300 LB Flanges, Add</i>	15,214.38 3,525.17	619.04
23 21 23 16-0044 EA 50 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case ..... <i>For 300 LB Flanges, Add</i>	19,353.23 4,466.81	770.86
23 21 23 16-0045 EA 75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case ..... <i>For 300 LB Flanges, Add</i>	24,689.56 5,708.02	962.81
23 21 23 16-0046 EA 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP ..... <i>For 300 LB Flanges, Add</i>	31,017.78 7,197.19	1,155.78
23 21 23 16-0047 EA 150 HP, 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case ..... <i>For 300 LB Flanges, Add</i>	36,711.44 8,558.69	1,283.74
23 21 23 16-0048 EA 200 HP, 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case ..... <i>For 300 LB Flanges, Add</i>	42,349.71 9,791.36	1,651.12
<b>23 21 23 16-0049 Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump</b> <small>(23 21 23 16)</small>		
<i>Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.</i>		
23 21 23 16-0050 EA 40 HP, 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case ..... <i>For 300 LB Flanges, Add</i>	28,441.37 6,887.70	494.94
23 21 23 16-0051 EA 50 HP, 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case ..... <i>For 300 LB Flanges, Add</i>	30,704.51 7,434.93	536.42
23 21 23 16-0052 EA 75 HP, 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case ..... <i>For 300 LB Flanges, Add</i>	41,007.32 9,920.04	724.61
23 21 23 16-0053 EA 100 HP, 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case ..... <i>For 300 LB Flanges, Add</i>	47,969.89 11,536.26	995.67
23 21 23 16-0054 EA 200 HP, 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case ..... <i>For 300 LB Flanges, Add</i>	66,527.20 16,023.51	1,327.56
<b>23 21 23 16-0055 Cast Iron Close Coupling Pumps</b> <small>(23 21 23 16)</small>		
<b>23 21 23 16-0056 Foot Mounted Cast Iron Close Coupled Pumps</b> <small>(23 21 23 16-0055)</small>		
23 21 23 16-0057 EA 3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM) .....	5,793.35	289.44
23 21 23 16-0058 EA 3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM) .....	6,320.31	289.44
23 21 23 16-0059 EA 5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM) .....	7,037.38	305.53
23 21 23 16-0060 EA 5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM) .....	7,503.54	305.53
23 21 23 16-0061 EA 7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM) .....	8,640.44	321.27
23 21 23 16-0062 EA 10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM) .....	10,237.11	386.71
23 21 23 16-0063 EA 15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP) .....	13,456.65	476.39

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0064	EA		20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP) .....	14,402.32	515.61
23 21 23 16-0065	EA		25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP) .....	16,703.37	556.86
<b>23 21 23 16-0066</b>			<b>Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt <sup>(23 21 23 16)</sup></b>		
23 21 23 16-0067	EA		1/3 HP, Centrifugal Pump, Polypropylene Body .....	1,445.49	149.47
23 21 23 16-0068	EA		1/2 HP, Centrifugal Pump, Polypropylene Body .....	1,542.34	158.48
23 21 23 16-0069	EA		3/4 HP, Centrifugal Pump, Polypropylene Body .....	1,803.67	168.74
<b>23 21 23 23</b>			<b>Vertical-Turbine Hydronic Pumps <sup>(23 21 23)</sup></b>		
			See CSI section 26 29 23 00-0000 for variable frequency motor controllers.		
<b>23 21 23 23-0001</b>			<b>Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps <sup>(23 21 23 23)</sup></b>		
			Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.		
23 21 23 23-0002	EA		2 HP, 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage .....	9,398.86	714.92
			For Each Extra Column Assembly <60", Add .....	794.79	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add .....	333.07	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	239.09	
23 21 23 23-0003	EA		3 HP, 100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage .....	10,789.39	803.68
			For Each Extra Column Assembly <60", Add .....	906.38	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add .....	388.35	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	280.46	
23 21 23 23-0004	EA		15 HP, 250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage .....	13,024.60	770.86
			For Each Extra Column Assembly <60", Add .....	1,097.25	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add .....	465.70	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	335.46	
23 21 23 23-0005	EA		25 HP, 500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage .....	15,294.61	889.54
			For Each Extra Column Assembly <60", Add .....	1,280.72	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add .....	554.63	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	401.68	
23 21 23 23-0006	EA		50 HP, 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage .....	18,771.54	962.81
			For Each Extra Column Assembly <60", Add .....	1,563.64	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add .....	688.95	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	501.23	
23 21 23 23-0007	EA		100 HP, 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage .....	24,627.46	1,155.78
			For Each Extra Column Assembly <60", Add .....	2,044.50	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add .....	910.80	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	664.52	
23 21 23 23-0008	EA		150 HP, 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage .....	29,508.19	1,444.73
			For Each Extra Column Assembly <60", Add .....	2,453.53	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add .....	1,087.45	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	792.37	
23 21 23 23-0009	EA		200 HP, 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage .....	46,917.72	1,651.12
			For Each Extra Column Assembly <60", Add .....	3,859.56	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add .....	1,770.57	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	1,301.39	
23 21 23 23-0010	EA		250 HP, 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage .....	61,397.30	1,926.65
			For Each Extra Column Assembly <60", Add .....	5,035.62	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add .....	2,332.06	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	1,718.09	
23 21 23 23-0011	EA		300 HP, 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage .....	85,753.45	2,311.56
			For Each Extra Column Assembly <60", Add .....	7,008.88	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add .....	3,281.54	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	2,424.00	
<b>23 21 29</b>			<b>Automatic Condensate Pump Units <sup>(23 21)</sup></b>		
<b>23 21 29 00-0001</b>			<b>Automatic Shallow Pan Condensate Pump <sup>(23 21 29)</sup></b>		
23 21 29 00-0002	EA		1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS) .....	186.21	31.35
23 21 29 00-0003	EA		1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS) .....	201.66	31.35
23 21 29 00-0004	EA		1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS) .....	312.95	36.18
<b>23 21 29 00-0005</b>			<b>Automatic Condensate Pump With Tank <sup>(23 21 29)</sup></b>		
23 21 29 00-0006	EA		1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL) .....	102.93	24.12
23 21 29 00-0007	EA		1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20) .....	109.53	24.12
23 21 29 00-0008	EA		1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS) .....	181.16	31.35
23 21 29 00-0009	EA		1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS) .....	195.85	36.18
23 21 29 00-0010	EA		1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) .....	358.54	41.01
			Condensate Pump .....		

**23 22 Steam and Condensate Piping and Pumps <sup>(23 20)</sup>****23 22 16 Steam and Condensate Heating Piping Specialties <sup>(23 22)</sup>****23 22 16 00-0001 High Temperature Safety Relief Valve <sup>(23 22 16)</sup>**

Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 22 16 00-0063 Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body</b> (23 22 16 00-0040)		
23 22 16 00-0064 EA 1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,618.12	15.07
23 22 16 00-0065 EA 3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,655.42	20.31
23 22 16 00-0066 EA 1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,905.61	25.02
23 22 16 00-0067 EA 1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	3,163.27	31.62
23 22 16 00-0068 EA 1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	3,277.29	36.33
23 22 16 00-0069 EA 2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,697.42	39.53
23 22 16 00-0070 EA 2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	6,842.41	72.42
23 22 16 00-0071 EA 3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,609.73	78.97
23 22 16 00-0072 EA 4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,901.71	184.84
23 22 16 00-0073 EA 6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	8,242.54	216.95
<b>23 22 16 00-0074 Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body</b> (23 22 16 00-0040)		
23 22 16 00-0075 EA 1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,355.54	15.07
23 22 16 00-0076 EA 3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,389.16	20.31
23 22 16 00-0077 EA 1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,679.90	25.02
23 22 16 00-0078 EA 1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	3,834.29	31.62
23 22 16 00-0079 EA 1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	3,981.51	36.33
23 22 16 00-0080 EA 2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,335.28	39.53
23 22 16 00-0081 EA 2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	7,211.12	72.42
23 22 16 00-0082 EA 3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,842.36	78.97
23 22 16 00-0083 EA 4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	6,134.33	184.84
23 22 16 00-0084 EA 6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	8,475.17	216.95
<b>23 22 16 00-0085 Steam Traps</b> (23 22 16)		
<b>23 22 16 00-0086 Inverted Bucket Steam Traps</b> (23 22 16 00-0085)		
23 22 16 00-0087 EA 1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	292.67	31.42
For Work In Restricted Working Space, Add	18.85	
23 22 16 00-0088 EA 3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	295.29	32.73
For Work In Restricted Working Space, Add	19.64	
23 22 16 00-0089 EA 1" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	439.80	34.88
For Work In Restricted Working Space, Add	20.95	
23 22 16 00-0090 EA 1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	711.84	47.60
For Work In Restricted Working Space, Add	28.57	
23 22 16 00-0091 EA 1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	1,060.37	58.66
For Work In Restricted Working Space, Add	34.91	
23 22 16 00-0092 EA 2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	1,352.47	87.29
For Work In Restricted Working Space, Add	52.37	
<b>23 22 16 00-0093 Float And Thermostatic Steam Traps</b> (23 22 16 00-0085)		
23 22 16 00-0094 EA 3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	309.39	32.73
For Work In Restricted Working Space, Add	19.64	
23 22 16 00-0095 EA 1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	408.03	34.91
For Work In Restricted Working Space, Add	20.95	
23 22 16 00-0096 EA 1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	504.43	47.61
For Work In Restricted Working Space, Add	28.57	
23 22 16 00-0097 EA 1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	682.54	58.19
For Work In Restricted Working Space, Add	34.91	
23 22 16 00-0098 EA 2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	1,248.98	87.25
For Work In Restricted Working Space, Add	52.37	
23 22 16 00-0099 EA 3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	394.32	32.73
For Work In Restricted Working Space, Add	19.64	
23 22 16 00-0100 EA 1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	428.59	34.88
For Work In Restricted Working Space, Add	20.95	
23 22 16 00-0101 EA 1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	560.48	47.60
For Work In Restricted Working Space, Add	28.57	
23 22 16 00-0102 EA 1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	805.86	58.14
For Work In Restricted Working Space, Add	34.91	
23 22 16 00-0103 EA 2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	1,374.18	87.28
For Work In Restricted Working Space, Add	52.37	
23 22 16 00-0104 EA 3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	512.04	32.73
For Work In Restricted Working Space, Add	19.64	
23 22 16 00-0105 EA 1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	570.59	34.91
For Work In Restricted Working Space, Add	20.95	
23 22 16 00-0106 EA 1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	868.79	47.60
For Work In Restricted Working Space, Add	28.57	
23 22 16 00-0107 EA 1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	889.95	58.14
For Work In Restricted Working Space, Add	34.91	
23 22 16 00-0108 EA 2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	1,727.32	87.29
For Work In Restricted Working Space, Add	52.37	
23 22 16 00-0109 EA 3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	519.51	32.73
For Work In Restricted Working Space, Add	19.64	
23 22 16 00-0110 EA 1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	570.59	34.91
For Work In Restricted Working Space, Add	20.95	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0111 EA 1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	868.79 28.57	47.60
23 22 16 00-0112 EA 1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	889.95 34.91	58.14
23 22 16 00-0113 EA 2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap ..... <i>For Work In Restricted Working Space, Add</i>	1,727.32 52.37	87.28
<b>23 22 16 00-0114 Thermostatic Steam Traps (23 22 16 00-0085)</b>		
23 22 16 00-0115 EA 1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	149.53 18.85	31.42
23 22 16 00-0116 EA 3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	250.43 19.64	32.73
23 22 16 00-0117 EA 1" 25 PSI Maximum Pressure Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	309.42 20.95	34.88
<b>23 22 16 00-0118 Thermodynamic Steam Traps (23 22 16 00-0085)</b>		
23 22 16 00-0119 EA 3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	331.16	28.28
23 22 16 00-0120 EA 1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	470.19	31.42
23 22 16 00-0121 EA 3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	583.04	32.73
23 22 16 00-0122 EA 1" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	781.73	34.88
<b>23 22 16 00-0123 Steam Moisture Separator (23 22 16 00-0085)</b>		
23 22 16 00-0124 EA 1/2" Steam Moisture Separator, Threaded (Spirax Sarco S1) .....	652.49	52.37
23 22 16 00-0125 EA 3/4" Steam Moisture Separator, Threaded (Spirax Sarco S1) .....	693.16	70.71
23 22 16 00-0126 EA 1" Steam Moisture Separator, Threaded (Spirax Sarco S1) .....	834.13	79.61
23 22 16 00-0127 EA 1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2) .....	1,316.11	91.13
23 22 16 00-0128 EA 2" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	1,614.59	139.63
23 22 16 00-0129 EA 2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3) .....	2,427.45	151.88
23 22 16 00-0130 EA 3" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	2,777.93	178.07
23 22 16 00-0131 EA 4" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	3,832.78	298.52
23 22 16 00-0132 EA 6" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	7,471.14	377.08
<b>23 22 16 00-0133 Steam/Condensate Meter (23 22 16)</b>		
Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.		
23 22 16 00-0134 EA 1" Steam/Condensate Meter.....	5,428.23	86.78
<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	
23 22 16 00-0135 EA 2" Steam/Condensate Meter.....	6,124.28	101.97
<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	
23 22 16 00-0136 EA 2-1/2" Steam/Condensate Meter.....	6,494.97	126.55
<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	
23 22 16 00-0137 EA 3" Steam/Condensate Meter.....	6,885.91	166.33
<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	
23 22 16 00-0138 EA 4" Steam/Condensate Meter.....	7,759.23	258.41
<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	
23 22 16 00-0139 EA 6" Steam/Condensate Meter.....	13,294.76	326.87
<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	
23 22 16 00-0140 EA 8" Steam/Condensate Meter.....	13,766.17	412.68
<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 22 Steam and Condensate Piping and Pumps**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0141 EA 10" Steam/Condensate Meter..... <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	14,397.40 1,220.00 567.00 905.00 79.82 64.52	506.21
23 22 16 00-0142 EA 12" Steam/Condensate Meter..... <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	15,086.42 1,220.00 567.00 905.00 79.82 64.52	614.69
23 22 16 00-0143 EA 14" Steam/Condensate Meter..... <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	16,057.03 1,220.00 567.00 905.00 79.82 64.52	723.16
23 22 16 00-0144 EA 16" Steam/Condensate Meter..... <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	16,622.76 1,220.00 567.00 905.00 79.82 64.52	795.48

**23 22 23 Steam Condensate Pumps (23 22)**

**23 22 23 13 Electric-Driven Steam Condensate Pumps (23 22 23)**

**23 22 23 13-0001 Simplex Condensate Pumps And Motors (23 22 23 13)**  
Note: Cast iron receiver, float switch.

**23 22 23 13-0002 20 PSI Discharge Pressure (23 22 23 13-0001)**

23 22 23 13-0003 EA 3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	1,683.03	491.08
23 22 23 13-0004 EA 9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	2,124.91	504.59
23 22 23 13-0005 EA 15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	2,225.43	538.36
23 22 23 13-0006 EA 22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	2,436.37	544.14
23 22 23 13-0007 EA 30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	2,717.64	592.39
23 22 23 13-0008 EA 37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	3,913.19	592.39
23 22 23 13-0009 EA 45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	3,987.30	632.90
23 22 23 13-0010 EA 60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	4,831.22	661.85
23 22 23 13-0011 EA 75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	4,886.98	690.80

**23 22 23 13-0012 30 PSI Discharge Pressure (23 22 23 13-0001)**

23 22 23 13-0013 EA 3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	1,920.29	524.85
23 22 23 13-0014 EA 9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	2,459.03	538.36
23 22 23 13-0015 EA 15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	2,557.68	574.05
23 22 23 13-0016 EA 22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	2,945.29	620.36
23 22 23 13-0017 EA 30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	3,987.30	633.87
23 22 23 13-0018 EA 45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	4,098.93	656.06
23 22 23 13-0019 EA 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	4,227.96	690.80
23 22 23 13-0020 EA 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	4,885.20	735.17

**23 22 23 13-0021 40 PSI Discharge Pressure (23 22 23 13-0001)**

23 22 23 13-0022 EA 3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	2,145.27	602.03
23 22 23 13-0023 EA 9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	2,669.76	650.27
23 22 23 13-0024 EA 22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	3,104.39	642.56
23 22 23 13-0025 EA 30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	4,079.94	656.06
23 22 23 13-0026 EA 45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	4,170.84	684.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0027 EA 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,886.98	690.80
23 22 23 13-0028 EA 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,965.92	735.17
<b>23 22 23 13-0029 50 PSI Discharge Pressure</b> <small>(23 22 23 13-0001)</small>		
23 22 23 13-0030 EA 3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	3,899.44	652.20
23 22 23 13-0031 EA 9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	2,881.78	665.71
23 22 23 13-0032 EA 22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	3,283.61	670.53
23 22 23 13-0033 EA 30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	4,248.82	729.39
23 22 23 13-0034 EA 60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	6,594.75	786.31
<b>23 22 23 13-0035 Duplex Condensate Pumps And Motors</b> <small>(23 22 23 13)</small> Note: Cast iron receiver, float switch, alternator assembly.		
<b>23 22 23 13-0036 20 PSI Discharge Pressure</b> <small>(23 22 23 13-0035)</small>		
23 22 23 13-0037 EA 9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	2,731.58	658.96
23 22 23 13-0038 EA 15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	2,902.15	723.60
23 22 23 13-0039 EA 22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,152.98	729.39
23 22 23 13-0040 EA 30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,517.30	794.99
23 22 23 13-0041 EA 37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,807.80	794.99
23 22 23 13-0042 EA 45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,913.73	856.74
23 22 23 13-0043 EA 60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,784.46	894.37
23 22 23 13-0044 EA 75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,934.62	938.75
<b>23 22 23 13-0045 30 PSI Discharge Pressure</b> <small>(23 22 23 13-0035)</small>		
23 22 23 13-0046 EA 9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,496.28	710.09
23 22 23 13-0047 EA 15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,670.68	775.69
23 22 23 13-0048 EA 22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,057.83	756.40
23 22 23 13-0049 EA 30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,913.73	856.74
23 22 23 13-0050 EA 45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,055.98	888.57
23 22 23 13-0051 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,744.70	938.75
23 22 23 13-0052 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	6,035.92	1,006.28
<b>23 22 23 13-0053 40 PSI Discharge Pressure</b> <small>(23 22 23 13-0035)</small>		
23 22 23 13-0054 EA 9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	3,814.60	837.44
23 22 23 13-0055 EA 22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,198.18	875.07
23 22 23 13-0056 EA 30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,067.37	888.57
23 22 23 13-0057 EA 45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,218.48	932.96
23 22 23 13-0058 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,935.57	938.75
23 22 23 13-0059 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	6,058.71	1,006.28
<b>23 22 23 13-0060 50 PSI Discharge Pressure</b> <small>(23 22 23 13-0035)</small>		
23 22 23 13-0061 EA 9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	3,972.23	837.44
23 22 23 13-0062 EA 22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	4,292.31	920.41
23 22 23 13-0063 EA 30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	5,342.57	999.53
23 22 23 13-0064 EA 60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	9,090.71	1,082.50

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**23 23 Refrigerant Piping** (23 20)**23 23 13 Refrigerant Piping Valves** (23 23)**23 23 13 00-0001 Ball Valves** (23 23 13)**23 23 13 00-0002 Refrigeration Ball Valves, Sweat, 1400 Series** (23 23 13 00-0001)

23 23 13 00-0003	EA	3/8" Refrigeration Ball Valve, Sweated .....	42.33	10.47
23 23 13 00-0004	EA	1/2" Refrigeration Ball Valve, Sweated .....	44.02	10.47
23 23 13 00-0005	EA	5/8" Refrigeration Ball Valve, Sweated .....	59.00	10.47
23 23 13 00-0006	EA	7/8" Refrigeration Ball Valve, Sweated .....	78.99	11.52
23 23 13 00-0007	EA	1-1/8" Refrigeration Ball Valve, Sweated .....	110.61	13.09
23 23 13 00-0008	EA	1-5/8" Refrigeration Ball Valve, Sweated .....	180.10	16.12

**23 23 13 00-0009 Shut-Off Valves** (23 23 13)**23 23 13 00-0010 Packless** (23 23 13 00-0009)

23 23 13 00-0011	EA	1/2" Refrigeration Valve, Packless .....	56.32	10.90
23 23 13 00-0012	EA	5/8" Refrigeration Valve, Packless .....	70.39	11.95
23 23 13 00-0013	EA	7/8" Refrigeration Valve, Packless .....	144.23	16.34

**23 23 13 00-0014 Packed** (23 23 13 00-0009)

23 23 13 00-0015	EA	1-1/8" Refrigeration Valve, Packed .....	256.20	23.78
23 23 13 00-0016	EA	1 3/8" Refrigeration Valve, Packed .....	342.49	29.12
23 23 13 00-0017	EA	1-5/8" Refrigeration Valve, Packed .....	417.17	32.78
23 23 13 00-0018	EA	2-1/8" Refrigeration Valve, Packed .....	595.96	37.39
23 23 13 00-0019	EA	2-5/8" Refrigeration Valve, Packed .....	989.30	104.75
23 23 13 00-0020	EA	3-1/8" Refrigeration Valve, Packed .....	1,298.11	130.93
23 23 13 00-0021	EA	4-1/8" Refrigeration Valve, Packed .....	1,845.81	174.61

**23 23 13 00-0022 Check Valves** (23 23 13)

23 23 13 00-0023	EA	5/8" Check Valve, Refrigeration .....	71.22	10.47
23 23 13 00-0024	EA	7/8" Check Valve, Refrigeration .....	224.48	11.52
23 23 13 00-0025	EA	1-1/8" Check Valve, Refrigeration .....	260.36	13.09
23 23 13 00-0026	EA	1 3/8" Check Valve, Refrigeration .....	350.61	13.93
23 23 13 00-0027	EA	1-5/8" Check Valve, Refrigeration .....	461.53	16.13
23 23 13 00-0028	EA	2-1/8" Check Valve, Refrigeration .....	684.21	19.06
23 23 13 00-0029	EA	2-5/8" Check Valve, Refrigeration .....	957.68	27.96
23 23 13 00-0030	EA	3-1/8" Check Valve, Refrigeration .....	1,266.81	36.66

**23 23 13 00-0031 Solenoid Valves** (23 23 13)**23 23 13 00-0032 Solenoid Valve, 24 Volt Coil** (23 23 13 00-0031)

23 23 13 00-0033	EA	1/2" Solenoid Valve, Refrigeration .....	208.99	10.47
23 23 13 00-0034	EA	5/8" Solenoid Valve, Refrigeration .....	214.08	10.47
23 23 13 00-0035	EA	3/4" Solenoid Valve, Refrigeration .....	264.36	11.52
23 23 13 00-0036	EA	7/8" Solenoid Valve, Refrigeration .....	264.36	11.52
23 23 13 00-0037	EA	1-1/8" Solenoid Valve, Refrigeration .....	370.85	13.09
23 23 13 00-0038	EA	1 3/8" Solenoid Valve, Refrigeration .....	596.86	13.93
23 23 13 00-0039	EA	1-5/8" Solenoid Valve, Refrigeration .....	1,102.82	16.13
23 23 13 00-0040	EA	2-1/8" Solenoid Valve, Refrigeration .....	1,117.46	19.06

**23 23 16 Refrigerant Piping Specialties** (23 23)**23 23 16 00-0001 Soft Refrigeration Copper Tubing** (23 23 16)

Note: Based on outside diameter. Nitrogenized. Lengths up to 100' See CSI section 22 07 19 00-0338 for flexible elastomeric insulation (insulation on suction line only).

23 23 16 00-0002	LF	1/8" Outside Diameter Soft Refrigeration Copper Tubing .....	4.49	2.49
23 23 16 00-0003	LF	3/16" Outside Diameter Soft Refrigeration Copper Tubing .....	4.71	2.56
23 23 16 00-0004	LF	1/4" Outside Diameter Soft Refrigeration Copper Tubing .....	4.95	2.63
23 23 16 00-0005	LF	5/16" Outside Diameter Soft Refrigeration Copper Tubing .....	5.34	2.67
23 23 16 00-0006	LF	3/8" Outside Diameter Soft Refrigeration Copper Tubing .....	5.51	2.71
23 23 16 00-0007	LF	1/2" Outside Diameter Soft Refrigeration Copper Tubing .....	6.26	2.85
23 23 16 00-0008	LF	5/8" Outside Diameter Soft Refrigeration Copper Tubing .....	6.95	2.88
23 23 16 00-0009	LF	3/4" Outside Diameter Soft Refrigeration Copper Tubing .....	7.66	2.98
23 23 16 00-0010	LF	7/8" Outside Diameter Soft Refrigeration Copper Tubing .....	9.98	3.50
23 23 16 00-0011	LF	1-1/8" Outside Diameter Soft Refrigeration Copper Tubing .....	12.82	4.01
23 23 16 00-0012	LF	1-3/8" Outside Diameter Soft Refrigeration Copper Tubing .....	18.83	4.75
23 23 16 00-0013	LF	1-5/8" Outside Diameter Soft Refrigeration Copper Tubing .....	22.82	5.31

**23 23 16 00-0014 Type L Drawn, ACR Copper Tubing** (23 23 16)

Note: Nitrogenized. Lengths up to 20'. See CSI section 22 07 19 00-0338 for flexible elastomeric insulation (insulation on suction line only).

23 23 16 00-0015	LF	3/8" Outside Diameter Type L Drawn, ACR Copper Tubing .....	6.11	2.93
		<i>For Medical Applications "Oxygen Clean", Add</i>	<i>0.53</i>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0016 LF 1/2" Outside Diameter Type L Drawn, ACR Copper Tubing ..... <i>For Medical Applications "Oxygen Clean", Add</i>	6.97 0.57	2.93
23 23 16 00-0017 LF 5/8" Outside Diameter Type L Drawn, ACR Copper Tubing ..... <i>For Medical Applications "Oxygen Clean", Add</i>	7.52 0.60	2.93
23 23 16 00-0018 LF 3/4" Outside Diameter Type L Drawn, ACR Copper Tubing ..... <i>For Medical Applications "Oxygen Clean", Add</i>	10.84 0.87	4.40
23 23 16 00-0019 LF 7/8" Outside Diameter Type L Drawn, ACR Copper Tubing ..... <i>For Medical Applications "Oxygen Clean", Add</i>	11.86 0.95	4.72
23 23 16 00-0020 LF 1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing ..... <i>For Medical Applications "Oxygen Clean", Add</i>	14.02 1.06	4.72
23 23 16 00-0021 LF 1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing ..... <i>For Medical Applications "Oxygen Clean", Add</i>	17.55 1.29	5.44
23 23 16 00-0022 LF 1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing ..... <i>For Medical Applications "Oxygen Clean", Add</i>	21.35 1.54	6.28
23 23 16 00-0023 LF 2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing ..... <i>For Medical Applications "Oxygen Clean", Add</i>	30.50 2.11	7.85
23 23 16 00-0024 LF 2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing ..... <i>For Medical Applications "Oxygen Clean", Add</i>	45.74 3.18	11.83
23 23 16 00-0025 LF 3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing ..... <i>For Medical Applications "Oxygen Clean", Add</i>	59.37 4.07	14.67
23 23 16 00-0026 LF 3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing ..... <i>For Medical Applications "Oxygen Clean", Add</i>	74.98 5.06	17.38
23 23 16 00-0027 LF 4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing ..... <i>For Medical Applications "Oxygen Clean", Add</i>	92.86 6.21	20.95
<b>23 23 16 00-0028 Refrigeration Fittings (23 23 16)</b>		
<b>23 23 16 00-0029 Brass Flare Fittings (23 23 16 00-0028)</b>		
<b>23 23 16 00-0030 Brass Flare Unions (23 23 16 00-0029)</b>		
23 23 16 00-0031 EA 3/8" Brass Flare Union.....	24.70	11.31
23 23 16 00-0032 EA 1/2" Brass Flare Union.....	24.70	11.31
23 23 16 00-0033 EA 5/8" Brass Flare Union.....	26.71	11.31
<b>23 23 16 00-0034 90 Degree Elbow Brass Flare Unions (23 23 16 00-0029)</b>		
23 23 16 00-0035 EA 3/8" 90 Degree Brass Flare Elbow Union .....	25.92	11.31
23 23 16 00-0036 EA 1/2" 90 Degree Brass Flare Elbow Union .....	25.92	11.31
23 23 16 00-0037 EA 5/8" 90 Degree Brass Flare Elbow Union .....	32.65	11.31
<b>23 23 16 00-0038 Brass Flare Tees (23 23 16 00-0029)</b>		
23 23 16 00-0039 EA 3/8" Brass Flare Tee.....	39.75	18.84
23 23 16 00-0040 EA 1/2" Brass Flare Tee.....	42.76	18.84
23 23 16 00-0041 EA 5/8" Brass Flare Tee.....	59.09	18.84
<b>23 23 16 00-0042 Male Connector, Half Brass Flare Unions (23 23 16 00-0029)</b>		
23 23 16 00-0043 EA 3/8" Brass Flare Male Connector, Half Union .....	19.18	11.31
23 23 16 00-0044 EA 1/2" Brass Flare Male Connector, Half Union .....	21.19	11.31
23 23 16 00-0045 EA 5/8" Brass Flare Male Connector, Half Union .....	24.05	11.31
<b>23 23 16 00-0046 Female Connector, Half Brass Flare Unions (23 23 16 00-0029)</b>		
23 23 16 00-0047 EA 3/8" Brass Flare Female Connector, Half Union .....	21.76	11.31
23 23 16 00-0048 EA 1/2" Brass Flare Female Connector, Half Union .....	24.49	11.31
23 23 16 00-0049 EA 5/8" Brass Flare Female Connector, Half Union .....	24.49	11.31
<b>23 23 16 00-0050 Long Forged Nuts (23 23 16 00-0029)</b>		
23 23 16 00-0051 EA 3/8" Brass Long Forged Nut .....	20.40	11.31
23 23 16 00-0052 EA 1/2" Brass Long Forged Nut .....	21.19	11.31
23 23 16 00-0053 EA 5/8" Brass Long Forged Nut .....	29.92	11.31
<b>23 23 16 00-0054 Short Forged Nuts (23 23 16 00-0029)</b>		
23 23 16 00-0055 EA 3/8" Brass Short Forged Nut.....	19.26	11.31
23 23 16 00-0056 EA 1/2" Brass Short Forged Nut.....	21.08	11.31
23 23 16 00-0057 EA 5/8" Brass Short Forged Nut.....	21.45	11.31
<b>23 23 16 00-0058 ACR Wrought Copper Fittings (23 23 16 00-0028)</b>		
Note: Soldered.		
<b>23 23 16 00-0059 ACR Wrought Copper Coupling (23 23 16 00-0058)</b>		
Note: C x C		
23 23 16 00-0060 EA 1/4" ACR Wrought Copper Coupling.....	18.72	11.31
23 23 16 00-0061 EA 3/8" ACR Wrought Copper Coupling.....	18.39	11.31
23 23 16 00-0062 EA 1/2" ACR Wrought Copper Coupling.....	18.87	11.31
23 23 16 00-0063 EA 5/8" ACR Wrought Copper Coupling.....	19.41	11.83
23 23 16 00-0064 EA 3/4" ACR Wrought Copper Coupling.....	27.77	15.60

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0065	EA		7/8" ACR Wrought Copper Coupling.....	27.29	16.03
23 23 16 00-0066	EA		1-1/8" ACR Wrought Copper Coupling.....	36.36	19.90
23 23 16 00-0067	EA		1-3/8" ACR Wrought Copper Coupling.....	52.36	27.24
23 23 16 00-0068	EA		1-5/8" ACR Wrought Copper Coupling.....	63.16	31.95
23 23 16 00-0069	EA		2-1/8" ACR Wrought Copper Coupling.....	83.47	38.75
23 23 16 00-0070	EA		2-5/8" ACR Wrought Copper Coupling.....	145.45	58.86
23 23 16 00-0071	EA		3-1/8" ACR Wrought Copper Coupling.....	194.04	77.41
23 23 16 00-0072	EA		4-1/8" ACR Wrought Copper Coupling.....	315.15	91.97
<b>23 23 16 00-0073</b>			<b>ACR Wrought Copper Short Radius 90 Degree Elbows (23 23 16 00-0058)</b>		
			Note: C x C		
23 23 16 00-0074	EA		1/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	23.03	11.31
23 23 16 00-0075	EA		3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	23.35	11.31
23 23 16 00-0076	EA		1/2" ACR Wrought Copper Short Radius 90 Degree Elbow.....	23.03	11.31
23 23 16 00-0077	EA		5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	25.01	11.83
23 23 16 00-0078	EA		3/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	36.58	15.60
23 23 16 00-0079	EA		7/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	37.05	16.03
23 23 16 00-0080	EA		1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	47.26	19.90
23 23 16 00-0081	EA		1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	58.64	27.24
23 23 16 00-0082	EA		1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	75.69	31.95
23 23 16 00-0083	EA		2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	108.61	38.75
23 23 16 00-0084	EA		2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	189.42	58.86
23 23 16 00-0085	EA		3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	243.23	77.41
23 23 16 00-0086	EA		4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	463.31	91.97
<b>23 23 16 00-0087</b>			<b>ACR Wrought Copper Long Radius 90 Degree Elbows (23 23 16 00-0058)</b>		
			Note: C x C		
23 23 16 00-0088	EA		1/4" ACR Wrought Copper Long Radius 90 Degree Elbow.....	28.42	11.31
23 23 16 00-0089	EA		3/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	25.57	11.31
23 23 16 00-0090	EA		1/2" ACR Wrought Copper Long Radius 90 Degree Elbow.....	27.83	11.31
23 23 16 00-0091	EA		5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	27.61	11.83
23 23 16 00-0092	EA		3/4" ACR Wrought Copper Long Radius 90 Degree Elbow.....	33.40	15.60
23 23 16 00-0093	EA		7/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	36.71	16.03
23 23 16 00-0094	EA		1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	50.25	19.90
23 23 16 00-0095	EA		1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	74.02	27.24
23 23 16 00-0096	EA		1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	92.48	31.95
23 23 16 00-0097	EA		2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	175.22	38.75
23 23 16 00-0098	EA		2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	273.72	58.86
23 23 16 00-0099	EA		3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	361.69	77.41
23 23 16 00-0100	EA		4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	795.82	91.97
<b>23 23 16 00-0101</b>			<b>ACR Wrought Copper 45 Degree Elbow (23 23 16 00-0058)</b>		
			Note: C x C		
23 23 16 00-0102	EA		1/4" ACR Wrought Copper 45 Degree Elbow.....	32.34	11.31
23 23 16 00-0103	EA		3/8" ACR Wrought Copper 45 Degree Elbow.....	28.42	11.31
23 23 16 00-0104	EA		1/2" ACR Wrought Copper 45 Degree Elbow.....	26.75	11.31
23 23 16 00-0105	EA		5/8" ACR Wrought Copper 45 Degree Elbow.....	21.76	11.83
23 23 16 00-0106	EA		3/4" ACR Wrought Copper 45 Degree Elbow.....	40.75	15.60
23 23 16 00-0107	EA		7/8" ACR Wrought Copper 45 Degree Elbow.....	30.94	16.03
23 23 16 00-0108	EA		1-1/8" ACR Wrought Copper 45 Degree Elbow.....	47.22	19.90
23 23 16 00-0109	EA		1-3/8" ACR Wrought Copper 45 Degree Elbow.....	64.17	27.24
23 23 16 00-0110	EA		1-5/8" ACR Wrought Copper 45 Degree Elbow.....	76.05	31.95
23 23 16 00-0111	EA		2-1/8" ACR Wrought Copper 45 Degree Elbow.....	104.96	38.75
23 23 16 00-0112	EA		2-5/8" ACR Wrought Copper 45 Degree Elbow.....	188.19	58.86
23 23 16 00-0113	EA		3-1/8" ACR Wrought Copper 45 Degree Elbow.....	255.57	77.41
23 23 16 00-0114	EA		4-1/8" ACR Wrought Copper 45 Degree Elbow.....	435.08	91.97
<b>23 23 16 00-0115</b>			<b>ACR Wrought Copper Tee (23 23 16 00-0058)</b>		
			Note: C x C x C		
23 23 16 00-0116	EA		1/4" ACR Wrought Copper Tee.....	40.52	18.84
23 23 16 00-0117	EA		3/8" ACR Wrought Copper Tee.....	41.21	18.84
23 23 16 00-0118	EA		1/2" ACR Wrought Copper Tee.....	38.66	18.84
23 23 16 00-0119	EA		5/8" ACR Wrought Copper Tee.....	39.24	23.78
23 23 16 00-0120	EA		3/4" ACR Wrought Copper Tee.....	59.30	23.78
23 23 16 00-0121	EA		7/8" ACR Wrought Copper Tee.....	45.01	24.09
23 23 16 00-0122	EA		1-1/8" ACR Wrought Copper Tee.....	75.42	31.95
23 23 16 00-0123	EA		1-3/8" ACR Wrought Copper Tee.....	95.22	38.75
23 23 16 00-0124	EA		1-5/8" ACR Wrought Copper Tee.....	126.25	45.98
23 23 16 00-0125	EA		2-1/8" ACR Wrought Copper Tee.....	181.28	61.27
23 23 16 00-0126	EA		2-5/8" ACR Wrought Copper Tee.....	380.87	133.76
23 23 16 00-0127	EA		3-1/8" ACR Wrought Copper Tee.....	479.33	147.06
23 23 16 00-0128	EA		4-1/8" ACR Wrought Copper Tee.....	871.39	163.40
<b>23 23 16 00-0129</b>			<b>ACR Wrought Copper Male Adapter (23 23 16 00-0058)</b>		
			Note: C x M		
23 23 16 00-0130	EA		1/4" ACR Wrought Copper Male Adapter.....	36.23	11.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0131 EA 3/8" ACR Wrought Copper Male Adapter .....	42.50	11.31
23 23 16 00-0132 EA 1/2" ACR Wrought Copper Male Adapter .....	32.09	11.31
<b>23 23 16 00-0133 ACR Wrought Copper Female Adapter (23 23 16 00-0058)</b>		
Note: C x F		
23 23 16 00-0134 EA 1/4" ACR Wrought Copper Female Adapter .....	33.77	11.31
23 23 16 00-0135 EA 3/8" ACR Wrought Copper Female Adapter .....	30.18	11.31
23 23 16 00-0136 EA 1/2" ACR Wrought Copper Female Adapter .....	31.54	11.31
<b>23 23 16 00-0137 ACR Wrought Copper Cap (23 23 16 00-0058)</b>		
Note: C		
23 23 16 00-0138 EA 1/4" ACR Wrought Copper Cap .....	14.28	7.54
23 23 16 00-0139 EA 3/8" ACR Wrought Copper Cap .....	13.14	7.54
23 23 16 00-0140 EA 1/2" ACR Wrought Copper Cap .....	14.25	7.54
<b>23 23 16 00-0141 ACR Wrought Copper P-Trap (23 23 16 00-0058)</b>		
23 23 16 00-0142 EA 5/8" ACR Wrought Copper P-Trap.....	100.83	9.64
23 23 16 00-0143 EA 3/4" ACR Wrought Copper P-Trap.....	138.98	10.61
23 23 16 00-0144 EA 7/8" ACR Wrought Copper P-Trap.....	118.38	10.61
23 23 16 00-0145 EA 1-1/8" ACR Wrought Copper P-Trap.....	163.68	11.58
23 23 16 00-0146 EA 1-3/8" ACR Wrought Copper P-Trap.....	285.83	11.58
23 23 16 00-0147 EA 1-5/8" ACR Wrought Copper P-Trap.....	408.00	12.54
23 23 16 00-0148 EA 2-1/8" ACR Wrought Copper P-Trap.....	753.61	13.51
<b>23 23 16 00-0149 Sight Glass With Moisture And Liquid Indicator, Solder Connection (23 23 16)</b>		
23 23 16 00-0150 EA 1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	55.57	14.48
23 23 16 00-0151 EA 3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	67.52	17.37
23 23 16 00-0152 EA 1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	81.71	21.22
23 23 16 00-0153 EA 5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	89.60	24.12
23 23 16 00-0154 EA 7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	121.40	30.88
23 23 16 00-0155 EA 1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	139.90	37.63
23 23 16 00-0156 EA 1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	218.98	44.38
23 23 16 00-0157 EA 1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	268.61	60.78
23 23 16 00-0158 EA 2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	329.46	75.25
<b>23 23 16 00-0159 Filter Driers, Solder Connections (23 23 16)</b>		
<b>23 23 16 00-0160 Replaceable Core Type Filter Driers, Solder Connections (23 23 16 00-0159)</b>		
23 23 16 00-0161 EA 5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	518.09	8.69
23 23 16 00-0162 EA 7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	517.88	10.61
23 23 16 00-0163 EA 1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	660.94	10.61
23 23 16 00-0164 EA 1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	655.23	11.58
23 23 16 00-0165 EA 1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	727.39	12.54
23 23 16 00-0166 EA 2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	813.77	13.51
23 23 16 00-0167 EA 2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	949.85	14.48
23 23 16 00-0168 EA 3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	1,185.76	14.48
<b>23 23 16 00-0169 Sealed In-Line Filter Driers, Solder Connections (23 23 16 00-0159)</b>		
23 23 16 00-0170 EA 1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections.....	79.54	8.69
23 23 16 00-0171 EA 3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections.....	101.60	8.69
23 23 16 00-0172 EA 1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections .....	129.87	9.64
23 23 16 00-0173 EA 1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections .....	150.76	9.64
23 23 16 00-0174 EA 5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections.....	165.55	9.64
23 23 16 00-0175 EA 5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections .....	192.86	9.64
23 23 16 00-0176 EA 7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections.....	216.87	10.61
23 23 16 00-0177 EA 7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections .....	325.11	10.61
23 23 16 00-0178 EA 1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections .....	352.86	10.61
<b>23 23 16 00-0179 Bi-Flow Filter Driers, Solder Connections (23 23 16 00-0159)</b>		
23 23 16 00-0180 EA 1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections .....	113.42	8.69
23 23 16 00-0181 EA 3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections .....	125.72	8.69
23 23 16 00-0182 EA 1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections .....	149.60	9.64
23 23 16 00-0183 EA 3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	135.29	8.69
23 23 16 00-0184 EA 1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	169.34	9.64
23 23 16 00-0185 EA 5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	196.25	9.64
<b>23 23 16 00-0186 Refrigerant Compressor Discharge Mufflers (23 23 16)</b>		
23 23 16 00-0187 EA 3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler .....	101.34	8.69
23 23 16 00-0188 EA 1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler .....	111.86	8.69
23 23 16 00-0189 EA 5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler .....	134.98	8.69
23 23 16 00-0190 EA 7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler .....	180.68	10.61
23 23 16 00-0191 EA 1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler .....	235.46	10.61

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 23 Refrigerant Piping**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 23 16 00-0192	EA		1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler .....	279.61	11.58
23 23 16 00-0193	EA		1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler .....	354.62	12.54
23 23 16 00-0194	EA		2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler .....	664.07	13.51
23 23 16 00-0195	EA		2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler .....	739.89	14.48
23 23 16 00-0196	EA		3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler .....	915.26	14.48

**23 23 16 00-0197 Expansion Valves And Vibration Absorbers (23 23 16)**

**23 23 16 00-0198 Thermostatic Expansion Valves (23 23 16 00-0197)**

Note: Outside diameter pipe sizes. Sporlan TP-S.

23 23 16 00-0199	EA		3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve .....	221.57	8.69
23 23 16 00-0200	EA		1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve .....	308.68	9.64
23 23 16 00-0201	EA		5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve .....	529.48	9.64
23 23 16 00-0202	EA		7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve .....	627.42	10.61
23 23 16 00-0203	EA		7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve .....	675.66	10.61

**23 23 16 00-0204 Electric Expansion Valves (23 23 16 00-0197)**

Note: Sporlan SEI or SEH.

23 23 16 00-0205	EA		1/2 To 11 Ton Electric Expansion Valve .....	544.48	12.06
			Note: Sporlan SEI.		
23 23 16 00-0206	EA		25 Ton Electric Expansion Valve .....	631.60	12.54
			Note: Sporlan SEI.		
23 23 16 00-0207	EA		50 Ton Electric Expansion Valve .....	719.21	13.02
			Note: Sporlan SEI.		
23 23 16 00-0208	EA		100 Ton Electric Expansion Valve .....	843.07	13.02
			Note: Sporlan SEH.		
23 23 16 00-0209	EA		175 Ton Electric Expansion Valve .....	949.99	13.51
			Note: Sporlan SEH.		

**23 23 16 00-0210 Braided Stainless Steel Over Copper Vibration Absorber (23 23 16 00-0197)**

23 23 16 00-0211	EA		1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	58.71	12.54
23 23 16 00-0212	EA		3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	58.56	14.48
23 23 16 00-0213	EA		1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	76.07	18.33
23 23 16 00-0214	EA		5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	81.62	22.19
23 23 16 00-0215	EA		3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	95.96	27.01
23 23 16 00-0216	EA		7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	111.23	30.88
23 23 16 00-0217	EA		1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	157.78	11.58
23 23 16 00-0218	EA		1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	223.91	12.54
23 23 16 00-0219	EA		1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	281.57	12.54
23 23 16 00-0220	EA		2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	387.90	13.51
23 23 16 00-0221	EA		2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	665.30	14.48
23 23 16 00-0222	EA		3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	873.01	14.48

**23 23 16 00-0223 Accumulator, Refrigerant Suction Line (23 23 16)**

23 23 16 00-0224	EA		3/4" Accumulator, Refrigeration Suction Line .....	185.90	43.90
23 23 16 00-0225	EA		7/8" Accumulator, Refrigeration Suction Line .....	251.75	60.30
23 23 16 00-0226	EA		1-1/8" Accumulator, Refrigeration Suction Line .....	298.07	80.37
23 23 16 00-0227	EA		1 3/8" Accumulator, Refrigeration Suction Line .....	424.23	96.48
23 23 16 00-0228	EA		1-5/8" Accumulator, Refrigeration Suction Line .....	587.83	120.60
23 23 16 00-0229	EA		2-1/8" Accumulator, Refrigeration Suction Line .....	899.65	160.83

**23 23 16 00-0230 Special Chemicals/Component (23 23 16)**

23 23 16 00-0231	GAL		Special Chemical, Inhibited Propylene Glycol, 100% .....	39.57	
23 23 16 00-0232	GAL		Removal And Storage For Reuse Of Inhibited Propylene Glycol .....	7.48	
23 23 16 00-0233	GAL		Special Chemical, Inhibited Ethylene Glycol, 100% .....	26.84	
23 23 16 00-0234	EA		Internal Coil/Refrigerant Piping Flush .....	324.12	
			Note: Up to 10 ton AC system.		

**23 23 23 Refrigerants (23 23)**

**23 23 23 00-0001 Refrigerant (23 23 23)**

23 23 23 00-0002	LB		R-113 Refrigerant .....	26.76	
23 23 23 00-0003	LB		R-123 Refrigerant .....	19.63	
23 23 23 00-0004	LB		R-134A Refrigerant .....	7.00	
23 23 23 00-0005	LB		R-404A Refrigerant .....	12.52	
23 23 23 00-0006	LB		R-407C Refrigerant .....	12.38	
23 23 23 00-0007	LB		R-408A Refrigerant .....	28.23	
23 23 23 00-0008	LB		R-410A Refrigerant .....	12.14	
23 23 23 00-0009	LB		R-500 Refrigerant .....	23.99	
23 23 23 00-0010	LB		R-507 Refrigerant .....	7.72	

**23 25 HVAC Water Treatment (23 20)**

**23 25 13 Water Treatment for Closed-Loop Hydronic Systems (23 25)**





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 25 13 00-0001 Polyethylene Chemical Storage Tanks</b> <small>(23 25 13)</small>		
23 25 13 00-0002 EA 15 Gallon Chemical Storage Tank, Polyethylene.....	372.47	80.54
<b>23 25 13 00-0003 Gas Chlorinator</b> <small>(23 25 13)</small>		
23 25 13 00-0004 EA Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,083.06	366.44
<i>For Booster Pump, Add</i>	<i>415.42</i>	
23 25 13 00-0005 EA Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,237.31	418.79
<i>For Booster Pump, Add</i>	<i>474.85</i>	
23 25 13 00-0006 EA Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,724.91	317.23
<i>For Booster Pump, Add</i>	<i>584.13</i>	
<b>23 25 13 00-0007 Bypass Shot Feeders</b> <small>(23 25 13)</small>		
<i>Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.</i>		
<b>23 25 13 00-0008 In Line Mount, 125 PSIG</b> <small>(23 25 13 00-0007)</small>		
23 25 13 00-0009 EA 1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG.....	973.05	273.03
<b>23 25 13 00-0010 Floor Mount, 175 PSIG</b> <small>(23 25 13 00-0007)</small>		
23 25 13 00-0011 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,428.95	411.00
23 25 13 00-0012 EA 12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,883.42	544.14
<b>23 25 13 00-0013 Floor Mount, 150 LB ASME Code</b> <small>(23 25 13 00-0007)</small>		
23 25 13 00-0014 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code.....	1,428.95	411.00
23 25 13 00-0015 EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code.....	1,883.42	544.14
<b>23 25 13 00-0016 Floor Mount, 300 LB ASME Code</b> <small>(23 25 13 00-0007)</small>		
23 25 13 00-0017 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code.....	1,813.66	411.00
23 25 13 00-0018 EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code.....	2,282.89	544.14
<b>23 30 HVAC Air Distribution</b> <small>(23)</small>		
<b>23 31 HVAC Ducts and Casings</b> <small>(23 30)</small>		
<i>Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0409 for angle iron, 23 05 29 00-0001 for threaded rod.</i>		
<b>23 31 13 Metal Ducts</b> <small>(23 31)</small>		
<b>23 31 13 13 Rectangular Metal Ducts</b> <small>(23 31 13)</small>		
<b>23 31 13 13-0001 Steel Sheet Metal Duct</b> <small>(23 31 13 13)</small>		
<i>Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.</i>		
<b>23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork And Sealant</b> <small>(23 31 13 13-0001)</small>		
<i>Note: SMACNA weight for galvanized steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF</i>		
23 31 13 13-0003 LB 2" WG And Less (Class C), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....	11.49	2.92
<i>For Polyvinyl Chloride (PVC) Coated, Add</i>	<i>0.50</i>	
<i>For Up To 200, Add</i>	<i>4.20</i>	
<i>For &gt;200 To 500, Add</i>	<i>2.70</i>	
<i>For &gt;500 To 1,000, Add</i>	<i>1.78</i>	
<i>For &gt;1,000 To 2,000, Add</i>	<i>0.99</i>	
<i>For &gt;2,000 To 5,000, Add</i>	<i>0.43</i>	
<i>For Work In Restricted Working Space, Add</i>	<i>2.69</i>	
<i>For Elevated Installation &gt;10' To 15', Add</i>	<i>0.54</i>	
<i>For Elevated Installation &gt;15' To 20', Add</i>	<i>1.08</i>	
<i>For Elevated Installation &gt;20' To 25', Add</i>	<i>1.35</i>	
<i>For Elevated Installation &gt;25' To 30', Add</i>	<i>1.89</i>	
<i>For Elevated Installation &gt;30' To 35', Add</i>	<i>2.16</i>	
<i>For Elevated Installation &gt;35' To 40', Add</i>	<i>2.69</i>	
<i>For Elevated Installation &gt;40', Add</i>	<i>2.96</i>	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0004 LB 3" WG (Class B), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....	12.83	2.92
For Polyvinyl Chloride (PVC) Coated, Add	0.50	
For Up To 200, Add	4.60	
For >200 To 500, Add	2.94	
For >500 To 1,000, Add	1.97	
For >1,000 To 2,000, Add	1.10	
For >2,000 To 5,000, Add	0.49	
For Work In Restricted Working Space, Add	3.10	
For Elevated Installation >10' To 15', Add	0.62	
For Elevated Installation >15' To 20', Add	1.24	
For Elevated Installation >20' To 25', Add	1.55	
For Elevated Installation >25' To 30', Add	2.17	
For Elevated Installation >30' To 35', Add	2.48	
For Elevated Installation >35' To 40', Add	3.10	
For Elevated Installation >40', Add	3.41	
23 31 13 13-0005 LB 4" Or 6" WG (Class A), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....	15.08	2.92
For Polyvinyl Chloride (PVC) Coated, Add	0.50	
For Up To 200, Add	5.28	
For >200 To 500, Add	3.34	
For >500 To 1,000, Add	2.29	
For >1,000 To 2,000, Add	1.28	
For >2,000 To 5,000, Add	0.58	
For Work In Restricted Working Space, Add	3.77	
For Elevated Installation >10' To 15', Add	0.75	
For Elevated Installation >15' To 20', Add	1.51	
For Elevated Installation >20' To 25', Add	1.89	
For Elevated Installation >25' To 30', Add	2.64	
For Elevated Installation >30' To 35', Add	3.02	
For Elevated Installation >35' To 40', Add	3.77	
For Elevated Installation >40', Add	4.15	
<b>23 31 13 13-0006 Alloy 3003-H14, Aluminum Sheet Metal Ductwork</b> <small>(23 31 13 13-0001)</small>		
Note: SMACNA weight for aluminum ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge - 0.901 LB/SF; 12 gauge - 0.141 LB/SF		
23 31 13 13-0007 LB 2" WG And Less (Class C), Alloy 3003-H14, Aluminum Sheet Metal Ductwork .....	21.70	2.92
For Work In Restricted Working Space, Add	5.32	
For Up To 200, Add	7.70	
For >200 To 500, Add	4.90	
For >500 To 1,000, Add	3.32	
For >1,000 To 2,000, Add	1.85	
For >2,000 To 5,000, Add	0.83	
For Elevated Installation >10' To 15', Add	1.06	
For Elevated Installation >15' To 20', Add	2.13	
For Elevated Installation >20' To 25', Add	2.66	
For Elevated Installation >25' To 30', Add	3.73	
For Elevated Installation >30' To 35', Add	4.26	
For Elevated Installation >35' To 40', Add	5.32	
For Elevated Installation >40', Add	5.85	
23 31 13 13-0008 LB 3" WG (Class B), Alloy 3003-H14, Aluminum Sheet Metal Ductwork .....	24.36	2.92
For Work In Restricted Working Space, Add	6.12	
For Up To 200, Add	8.50	
For >200 To 500, Add	5.37	
For >500 To 1,000, Add	3.69	
For >1,000 To 2,000, Add	2.07	
For >2,000 To 5,000, Add	0.93	
For Elevated Installation >10' To 15', Add	1.22	
For Elevated Installation >15' To 20', Add	2.45	
For Elevated Installation >20' To 25', Add	3.06	
For Elevated Installation >25' To 30', Add	4.28	
For Elevated Installation >30' To 35', Add	4.90	
For Elevated Installation >35' To 40', Add	6.12	
For Elevated Installation >40', Add	6.73	
23 31 13 13-0009 LB 4" Or 6" WG (Class A), Alloy 3003-H14, Aluminum Sheet Metal Ductwork .....	28.80	2.92
For Work In Restricted Working Space, Add	7.45	
For Up To 200, Add	9.83	
For >200 To 500, Add	6.17	
For >500 To 1,000, Add	4.31	
For >1,000 To 2,000, Add	2.42	
For >2,000 To 5,000, Add	1.11	
For Elevated Installation >10' To 15', Add	1.49	
For Elevated Installation >15' To 20', Add	2.98	
For Elevated Installation >20' To 25', Add	3.73	
For Elevated Installation >25' To 30', Add	5.22	
For Elevated Installation >30' To 35', Add	5.96	
For Elevated Installation >35' To 40', Add	7.45	
For Elevated Installation >40', Add	8.20	
<b>23 31 13 13-0010 Type 304, Stainless Steel Sheet Metal Ductwork</b> <small>(23 31 13 13-0001)</small>		
Note: SMACNA weight for stainless steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge - 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge - 3.154 LB/SF; 12 gauge - 4.427 LB/SF		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0011 LB 2" WG And Less (Class C), Type 304, Stainless Steel Sheet Metal Ductwork .....	15.93	3.88
<i>For Work In Restricted Working Space, Add</i>	3.27	
<i>For Welded Seams, Add</i>	5.70	
<i>For Up To 200, Add</i>	6.29	
<i>For &gt;200 To 500, Add</i>	4.12	
<i>For &gt;500 To 1,000, Add</i>	2.58	
<i>For &gt;1,000 To 2,000, Add</i>	1.43	
<i>For &gt;2,000 To 5,000, Add</i>	0.59	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.65	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.31	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.64	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.29	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.62	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.27	
<i>For Elevated Installation &gt;40', Add</i>	3.60	
23 31 13 13-0012 LB 3" WG (Class B), Type 304, Stainless Steel Sheet Metal Ductwork .....	18.18	3.88
<i>For Work In Restricted Working Space, Add</i>	3.95	
<i>For Welded Seams, Add</i>	6.83	
<i>For Up To 200, Add</i>	6.96	
<i>For &gt;200 To 500, Add</i>	4.53	
<i>For &gt;500 To 1,000, Add</i>	2.90	
<i>For &gt;1,000 To 2,000, Add</i>	1.61	
<i>For &gt;2,000 To 5,000, Add</i>	0.68	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.79	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.58	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.97	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.76	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.16	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.95	
<i>For Elevated Installation &gt;40', Add</i>	4.34	
23 31 13 13-0013 LB 4" Or 6" WG (Class A), Type 304, Stainless Steel Sheet Metal Ductwork .....	20.29	3.88
<i>For Work In Restricted Working Space, Add</i>	4.58	
<i>For Welded Seams, Add</i>	7.88	
<i>For Up To 200, Add</i>	7.60	
<i>For &gt;200 To 500, Add</i>	4.91	
<i>For &gt;500 To 1,000, Add</i>	3.19	
<i>For &gt;1,000 To 2,000, Add</i>	1.77	
<i>For &gt;2,000 To 5,000, Add</i>	0.76	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.92	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.83	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.29	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.20	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.66	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.58	
<i>For Elevated Installation &gt;40', Add</i>	5.04	
<b>23 31 13 13-0014 Galvanized Steel Sheet Metal Ductwork By LF <small>(23 31 13 13-0001)</small></b>		
<small>Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45 degree elbows; 3' for 90 degree elbows, transition, taper, register box; 4' for 45 degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90 degree reducing elbow, 135 degree angle gooseneck, boots; and 6' for transition/reducer.</small>		
<b>23 31 13 13-0015 30 Gauge Galvanized Steel Metal Ductwork <small>(23 31 13 13-0014)</small></b>		
23 31 13 13-0016 LF 4" x 4", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork .....	11.45	5.99
<i>For 3" WG (Class B), Add</i>	1.50	
<i>For 4" Or 6" WG (Class A), Add</i>	3.20	
<i>For 10" WG (Class A), Add</i>	4.60	
<i>For Work In Restricted Working Space, Add</i>	3.00	
23 31 13 13-0017 LF 4" x 6", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork .....	14.30	7.49
<i>For 3" WG (Class B), Add</i>	1.87	
<i>For 4" Or 6" WG (Class A), Add</i>	4.00	
<i>For 10" WG (Class A), Add</i>	5.75	
<i>For Work In Restricted Working Space, Add</i>	3.75	
23 31 13 13-0018 LF 4" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork .....	17.17	9.00
<i>For 3" WG (Class B), Add</i>	2.25	
<i>For 4" Or 6" WG (Class A), Add</i>	4.80	
<i>For 10" WG (Class A), Add</i>	6.90	
<i>For Work In Restricted Working Space, Add</i>	4.50	
23 31 13 13-0019 LF 4" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork .....	20.02	10.49
<i>For 3" WG (Class B), Add</i>	2.62	
<i>For 4" Or 6" WG (Class A), Add</i>	5.59	
<i>For 10" WG (Class A), Add</i>	8.04	
<i>For Work In Restricted Working Space, Add</i>	5.24	
23 31 13 13-0020 LF 4" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork .....	22.90	11.99
<i>For 3" WG (Class B), Add</i>	3.00	
<i>For 4" Or 6" WG (Class A), Add</i>	6.40	
<i>For 10" WG (Class A), Add</i>	9.20	
<i>For Work In Restricted Working Space, Add</i>	6.00	
23 31 13 13-0021 LF 4" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork .....	25.74	13.49
<i>For 3" WG (Class B), Add</i>	3.37	
<i>For 4" Or 6" WG (Class A), Add</i>	7.19	
<i>For 10" WG (Class A), Add</i>	10.34	
<i>For Work In Restricted Working Space, Add</i>	6.74	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 31 13 13-0022	LF	4" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.61		14.99
		For 3" WG (Class B), Add	3.75		
		For 4" Or 6" WG (Class A), Add	8.00		
		For 10" WG (Class A), Add	11.50		
		For Work In Restricted Working Space, Add	7.50		
23 31 13 13-0023	LF	6" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	17.17		9.00
		For 3" WG (Class B), Add	2.25		
		For 4" Or 6" WG (Class A), Add	4.80		
		For 10" WG (Class A), Add	6.90		
		For Work In Restricted Working Space, Add	4.50		
23 31 13 13-0024	LF	6" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	20.02		10.49
		For 3" WG (Class B), Add	2.62		
		For 4" Or 6" WG (Class A), Add	5.59		
		For 10" WG (Class A), Add	8.04		
		For Work In Restricted Working Space, Add	5.24		
23 31 13 13-0025	LF	6" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	22.90		11.99
		For 3" WG (Class B), Add	3.00		
		For 4" Or 6" WG (Class A), Add	6.40		
		For 10" WG (Class A), Add	9.20		
		For Work In Restricted Working Space, Add	6.00		
23 31 13 13-0026	LF	6" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	25.74		13.49
		For 3" WG (Class B), Add	3.37		
		For 4" Or 6" WG (Class A), Add	7.19		
		For 10" WG (Class A), Add	10.34		
		For Work In Restricted Working Space, Add	6.74		
23 31 13 13-0027	LF	6" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.61		14.99
		For 3" WG (Class B), Add	3.75		
		For 4" Or 6" WG (Class A), Add	8.00		
		For 10" WG (Class A), Add	11.50		
		For Work In Restricted Working Space, Add	7.50		
23 31 13 13-0028	LF	6" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.47		16.49
		For 3" WG (Class B), Add	4.12		
		For 4" Or 6" WG (Class A), Add	8.79		
		For 10" WG (Class A), Add	12.64		
		For Work In Restricted Working Space, Add	8.24		
23 31 13 13-0029	LF	8" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	22.90		11.99
		For 3" WG (Class B), Add	3.00		
		For 4" Or 6" WG (Class A), Add	6.40		
		For 10" WG (Class A), Add	9.20		
		For Work In Restricted Working Space, Add	6.00		
23 31 13 13-0030	LF	8" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	25.74		13.49
		For 3" WG (Class B), Add	3.37		
		For 4" Or 6" WG (Class A), Add	7.19		
		For 10" WG (Class A), Add	10.34		
		For Work In Restricted Working Space, Add	6.74		
23 31 13 13-0031	LF	8" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.61		14.99
		For 3" WG (Class B), Add	3.75		
		For 4" Or 6" WG (Class A), Add	8.00		
		For 10" WG (Class A), Add	11.50		
		For Work In Restricted Working Space, Add	7.50		
23 31 13 13-0032	LF	8" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.47		16.49
		For 3" WG (Class B), Add	4.12		
		For 4" Or 6" WG (Class A), Add	8.79		
		For 10" WG (Class A), Add	12.64		
		For Work In Restricted Working Space, Add	8.24		
23 31 13 13-0033	LF	8" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.31		17.98
		For 3" WG (Class B), Add	4.50		
		For 4" Or 6" WG (Class A), Add	9.59		
		For 10" WG (Class A), Add	13.79		
		For Work In Restricted Working Space, Add	8.99		
23 31 13 13-0034	LF	8" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.20		19.49
		For 3" WG (Class B), Add	4.87		
		For 4" Or 6" WG (Class A), Add	10.39		
		For 10" WG (Class A), Add	14.94		
		For Work In Restricted Working Space, Add	9.74		
23 31 13 13-0035	LF	8" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	40.04		20.99
		For 3" WG (Class B), Add	5.25		
		For 4" Or 6" WG (Class A), Add	11.19		
		For 10" WG (Class A), Add	16.09		
		For Work In Restricted Working Space, Add	10.49		
23 31 13 13-0036	LF	8" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	42.91		22.48
		For 3" WG (Class B), Add	5.62		
		For 4" Or 6" WG (Class A), Add	11.99		
		For 10" WG (Class A), Add	17.24		
		For Work In Restricted Working Space, Add	11.24		
23 31 13 13-0037	LF	8" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	45.76		23.98
		For 3" WG (Class B), Add	5.99		
		For 4" Or 6" WG (Class A), Add	12.79		
		For 10" WG (Class A), Add	18.38		
		For Work In Restricted Working Space, Add	11.99		
23 31 13 13-0038	LF	10" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.61		14.99
		For 3" WG (Class B), Add	3.75		
		For 4" Or 6" WG (Class A), Add	8.00		
		For 10" WG (Class A), Add	11.50		
		For Work In Restricted Working Space, Add	7.50		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0039 LF 10" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.47	16.49
<i>For 3" WG (Class B), Add</i>	4.12	
<i>For 4" Or 6" WG (Class A), Add</i>	8.79	
<i>For 10" WG (Class A), Add</i>	12.64	
<i>For Work In Restricted Working Space, Add</i>	8.24	
23 31 13 13-0040 LF 10" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.31	17.98
<i>For 3" WG (Class B), Add</i>	4.50	
<i>For 4" Or 6" WG (Class A), Add</i>	9.59	
<i>For 10" WG (Class A), Add</i>	13.79	
<i>For Work In Restricted Working Space, Add</i>	8.99	
23 31 13 13-0041 LF 10" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.20	19.49
<i>For 3" WG (Class B), Add</i>	4.87	
<i>For 4" Or 6" WG (Class A), Add</i>	10.39	
<i>For 10" WG (Class A), Add</i>	14.94	
<i>For Work In Restricted Working Space, Add</i>	9.74	
23 31 13 13-0042 LF 10" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	40.04	20.99
<i>For 3" WG (Class B), Add</i>	5.25	
<i>For 4" Or 6" WG (Class A), Add</i>	11.19	
<i>For 10" WG (Class A), Add</i>	16.09	
<i>For Work In Restricted Working Space, Add</i>	10.49	
23 31 13 13-0043 LF 10" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	42.91	22.48
<i>For 3" WG (Class B), Add</i>	5.62	
<i>For 4" Or 6" WG (Class A), Add</i>	11.99	
<i>For 10" WG (Class A), Add</i>	17.24	
<i>For Work In Restricted Working Space, Add</i>	11.24	
23 31 13 13-0044 LF 10" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	45.76	23.98
<i>For 3" WG (Class B), Add</i>	5.99	
<i>For 4" Or 6" WG (Class A), Add</i>	12.79	
<i>For 10" WG (Class A), Add</i>	18.38	
<i>For Work In Restricted Working Space, Add</i>	11.99	
23 31 13 13-0045 LF 10" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.64	25.48
<i>For 3" WG (Class B), Add</i>	6.37	
<i>For 4" Or 6" WG (Class A), Add</i>	13.59	
<i>For 10" WG (Class A), Add</i>	19.54	
<i>For Work In Restricted Working Space, Add</i>	12.74	
23 31 13 13-0046 LF 12" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.31	17.98
<i>For 3" WG (Class B), Add</i>	4.50	
<i>For 4" Or 6" WG (Class A), Add</i>	9.59	
<i>For 10" WG (Class A), Add</i>	13.79	
<i>For Work In Restricted Working Space, Add</i>	8.99	
23 31 13 13-0047 LF 12" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.20	19.49
<i>For 3" WG (Class B), Add</i>	4.87	
<i>For 4" Or 6" WG (Class A), Add</i>	10.39	
<i>For 10" WG (Class A), Add</i>	14.94	
<i>For Work In Restricted Working Space, Add</i>	9.74	
23 31 13 13-0048 LF 12" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	40.04	20.99
<i>For 3" WG (Class B), Add</i>	5.25	
<i>For 4" Or 6" WG (Class A), Add</i>	11.19	
<i>For 10" WG (Class A), Add</i>	16.09	
<i>For Work In Restricted Working Space, Add</i>	10.49	
23 31 13 13-0049 LF 12" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	42.91	22.48
<i>For 3" WG (Class B), Add</i>	5.62	
<i>For 4" Or 6" WG (Class A), Add</i>	11.99	
<i>For 10" WG (Class A), Add</i>	17.24	
<i>For Work In Restricted Working Space, Add</i>	11.24	
23 31 13 13-0050 LF 12" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	45.76	23.98
<i>For 3" WG (Class B), Add</i>	5.99	
<i>For 4" Or 6" WG (Class A), Add</i>	12.79	
<i>For 10" WG (Class A), Add</i>	18.38	
<i>For Work In Restricted Working Space, Add</i>	11.99	
23 31 13 13-0051 LF 12" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.64	25.48
<i>For 3" WG (Class B), Add</i>	6.37	
<i>For 4" Or 6" WG (Class A), Add</i>	13.59	
<i>For 10" WG (Class A), Add</i>	19.54	
<i>For Work In Restricted Working Space, Add</i>	12.74	
23 31 13 13-0052 LF 12" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.49	26.98
<i>For 3" WG (Class B), Add</i>	6.75	
<i>For 4" Or 6" WG (Class A), Add</i>	14.39	
<i>For 10" WG (Class A), Add</i>	20.69	
<i>For Work In Restricted Working Space, Add</i>	13.49	
23 31 13 13-0053 LF 14" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	40.04	20.99
<i>For 3" WG (Class B), Add</i>	5.25	
<i>For 4" Or 6" WG (Class A), Add</i>	11.19	
<i>For 10" WG (Class A), Add</i>	16.09	
<i>For Work In Restricted Working Space, Add</i>	10.49	
23 31 13 13-0054 LF 14" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	42.91	22.48
<i>For 3" WG (Class B), Add</i>	5.62	
<i>For 4" Or 6" WG (Class A), Add</i>	11.99	
<i>For 10" WG (Class A), Add</i>	17.24	
<i>For Work In Restricted Working Space, Add</i>	11.24	
23 31 13 13-0055 LF 14" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	45.76	23.98
<i>For 3" WG (Class B), Add</i>	5.99	
<i>For 4" Or 6" WG (Class A), Add</i>	12.79	
<i>For 10" WG (Class A), Add</i>	18.38	
<i>For Work In Restricted Working Space, Add</i>	11.99	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0056	LF	14" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.64	25.48
			<i>For 3" WG (Class B), Add</i>	6.37	
			<i>For 4" Or 6" WG (Class A), Add</i>	13.59	
			<i>For 10" WG (Class A), Add</i>	19.54	
			<i>For Work In Restricted Working Space, Add</i>	12.74	
23 31 13	13-0057	LF	14" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.49	26.98
			<i>For 3" WG (Class B), Add</i>	6.75	
			<i>For 4" Or 6" WG (Class A), Add</i>	14.39	
			<i>For 10" WG (Class A), Add</i>	20.69	
			<i>For Work In Restricted Working Space, Add</i>	13.49	
23 31 13	13-0058	LF	14" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.37	28.48
			<i>For 3" WG (Class B), Add</i>	7.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	15.19	
			<i>For 10" WG (Class A), Add</i>	21.84	
			<i>For Work In Restricted Working Space, Add</i>	14.24	
23 31 13	13-0059	LF	16" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	45.76	23.98
			<i>For 3" WG (Class B), Add</i>	5.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	12.79	
			<i>For 10" WG (Class A), Add</i>	18.38	
			<i>For Work In Restricted Working Space, Add</i>	11.99	
23 31 13	13-0060	LF	16" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.64	25.48
			<i>For 3" WG (Class B), Add</i>	6.37	
			<i>For 4" Or 6" WG (Class A), Add</i>	13.59	
			<i>For 10" WG (Class A), Add</i>	19.54	
			<i>For Work In Restricted Working Space, Add</i>	12.74	
23 31 13	13-0061	LF	16" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.49	26.98
			<i>For 3" WG (Class B), Add</i>	6.75	
			<i>For 4" Or 6" WG (Class A), Add</i>	14.39	
			<i>For 10" WG (Class A), Add</i>	20.69	
			<i>For Work In Restricted Working Space, Add</i>	13.49	
23 31 13	13-0062	LF	16" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.37	28.48
			<i>For 3" WG (Class B), Add</i>	7.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	15.19	
			<i>For 10" WG (Class A), Add</i>	21.84	
			<i>For Work In Restricted Working Space, Add</i>	14.24	
23 31 13	13-0063	LF	16" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.21	29.97
			<i>For 3" WG (Class B), Add</i>	7.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	15.99	
			<i>For 10" WG (Class A), Add</i>	22.98	
			<i>For Work In Restricted Working Space, Add</i>	14.99	
23 31 13	13-0064	LF	18" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.49	26.98
			<i>For 3" WG (Class B), Add</i>	6.75	
			<i>For 4" Or 6" WG (Class A), Add</i>	14.39	
			<i>For 10" WG (Class A), Add</i>	20.69	
			<i>For Work In Restricted Working Space, Add</i>	13.49	
23 31 13	13-0065	LF	18" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.37	28.48
			<i>For 3" WG (Class B), Add</i>	7.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	15.19	
			<i>For 10" WG (Class A), Add</i>	21.84	
			<i>For Work In Restricted Working Space, Add</i>	14.24	
23 31 13	13-0066	LF	18" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.21	29.97
			<i>For 3" WG (Class B), Add</i>	7.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	15.99	
			<i>For 10" WG (Class A), Add</i>	22.98	
			<i>For Work In Restricted Working Space, Add</i>	14.99	
23 31 13	13-0067	LF	18" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.06	31.48
			<i>For 3" WG (Class B), Add</i>	7.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	16.79	
			<i>For 10" WG (Class A), Add</i>	24.13	
			<i>For Work In Restricted Working Space, Add</i>	15.74	
23 31 13	13-0068	LF	20" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.21	29.97
			<i>For 3" WG (Class B), Add</i>	7.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	15.99	
			<i>For 10" WG (Class A), Add</i>	22.98	
			<i>For Work In Restricted Working Space, Add</i>	14.99	
23 31 13	13-0069	LF	20" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.06	31.48
			<i>For 3" WG (Class B), Add</i>	7.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	16.79	
			<i>For 10" WG (Class A), Add</i>	24.13	
			<i>For Work In Restricted Working Space, Add</i>	15.74	
23 31 13	13-0070	LF	20" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	62.93	32.97
			<i>For 3" WG (Class B), Add</i>	8.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	17.58	
			<i>For 10" WG (Class A), Add</i>	25.28	
			<i>For Work In Restricted Working Space, Add</i>	16.49	
23 31 13	13-0071	LF	22" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	62.93	32.97
			<i>For 3" WG (Class B), Add</i>	8.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	17.58	
			<i>For 10" WG (Class A), Add</i>	25.28	
			<i>For Work In Restricted Working Space, Add</i>	16.49	
23 31 13	13-0072	LF	22" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.79	34.47
			<i>For 3" WG (Class B), Add</i>	8.62	
			<i>For 4" Or 6" WG (Class A), Add</i>	18.39	
			<i>For 10" WG (Class A), Add</i>	26.43	
			<i>For Work In Restricted Working Space, Add</i>	17.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0073 LF 24" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	68.66	35.98
For 3" WG (Class B), Add	8.99	
For 4" Or 6" WG (Class A), Add	19.19	
For 10" WG (Class A), Add	27.58	
For Work In Restricted Working Space, Add	17.99	
<b>23 31 13 13-0074 28 Gauge Galvanized Steel Metal Ductwork</b> <small>(23 31 13 13-0014)</small>		
23 31 13 13-0075 LF 4" x 4", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	13.62	7.14
For 3" WG (Class B), Add	1.79	
For 4" Or 6" WG (Class A), Add	3.81	
For 10" WG (Class A), Add	5.47	
For Work In Restricted Working Space, Add	3.57	
23 31 13 13-0076 LF 4" x 6", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	17.03	8.92
For 3" WG (Class B), Add	2.23	
For 4" Or 6" WG (Class A), Add	4.76	
For 10" WG (Class A), Add	6.84	
For Work In Restricted Working Space, Add	4.46	
23 31 13 13-0077 LF 4" x 8", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	20.44	10.70
For 3" WG (Class B), Add	2.68	
For 4" Or 6" WG (Class A), Add	5.71	
For 10" WG (Class A), Add	8.21	
For Work In Restricted Working Space, Add	5.36	
23 31 13 13-0078 LF 4" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	23.82	12.49
For 3" WG (Class B), Add	3.12	
For 4" Or 6" WG (Class A), Add	6.66	
For 10" WG (Class A), Add	9.57	
For Work In Restricted Working Space, Add	6.24	
23 31 13 13-0079 LF 4" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	27.25	14.28
For 3" WG (Class B), Add	3.57	
For 4" Or 6" WG (Class A), Add	7.61	
For 10" WG (Class A), Add	10.94	
For Work In Restricted Working Space, Add	7.14	
23 31 13 13-0080 LF 4" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	30.65	16.06
For 3" WG (Class B), Add	4.02	
For 4" Or 6" WG (Class A), Add	8.57	
For 10" WG (Class A), Add	12.31	
For Work In Restricted Working Space, Add	8.03	
23 31 13 13-0081 LF 4" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.05	17.85
For 3" WG (Class B), Add	4.46	
For 4" Or 6" WG (Class A), Add	9.52	
For 10" WG (Class A), Add	13.68	
For Work In Restricted Working Space, Add	8.92	
23 31 13 13-0082 LF 6" x 6", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	20.44	10.70
For 3" WG (Class B), Add	2.68	
For 4" Or 6" WG (Class A), Add	5.71	
For 10" WG (Class A), Add	8.21	
For Work In Restricted Working Space, Add	5.36	
23 31 13 13-0083 LF 6" x 8", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	23.82	12.49
For 3" WG (Class B), Add	3.12	
For 4" Or 6" WG (Class A), Add	6.66	
For 10" WG (Class A), Add	9.57	
For Work In Restricted Working Space, Add	6.24	
23 31 13 13-0084 LF 6" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	27.25	14.28
For 3" WG (Class B), Add	3.57	
For 4" Or 6" WG (Class A), Add	7.61	
For 10" WG (Class A), Add	10.94	
For Work In Restricted Working Space, Add	7.14	
23 31 13 13-0085 LF 6" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	30.65	16.06
For 3" WG (Class B), Add	4.02	
For 4" Or 6" WG (Class A), Add	8.57	
For 10" WG (Class A), Add	12.31	
For Work In Restricted Working Space, Add	8.03	
23 31 13 13-0086 LF 6" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.05	17.85
For 3" WG (Class B), Add	4.46	
For 4" Or 6" WG (Class A), Add	9.52	
For 10" WG (Class A), Add	13.68	
For Work In Restricted Working Space, Add	8.92	
23 31 13 13-0087 LF 6" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.47	19.63
For 3" WG (Class B), Add	4.91	
For 4" Or 6" WG (Class A), Add	10.47	
For 10" WG (Class A), Add	15.05	
For Work In Restricted Working Space, Add	9.82	
23 31 13 13-0088 LF 8" x 8", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	27.25	14.28
For 3" WG (Class B), Add	3.57	
For 4" Or 6" WG (Class A), Add	7.61	
For 10" WG (Class A), Add	10.94	
For Work In Restricted Working Space, Add	7.14	
23 31 13 13-0089 LF 8" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	30.65	16.06
For 3" WG (Class B), Add	4.02	
For 4" Or 6" WG (Class A), Add	8.57	
For 10" WG (Class A), Add	12.31	
For Work In Restricted Working Space, Add	8.03	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0090	LF	8" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.05	17.85
			For 3" WG (Class B), Add	4.46	
			For 4" Or 6" WG (Class A), Add	9.52	
			For 10" WG (Class A), Add	13.68	
			For Work In Restricted Working Space, Add	8.92	
23 31 13	13-0091	LF	8" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.47	19.63
			For 3" WG (Class B), Add	4.91	
			For 4" Or 6" WG (Class A), Add	10.47	
			For 10" WG (Class A), Add	15.05	
			For Work In Restricted Working Space, Add	9.82	
23 31 13	13-0092	LF	8" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	40.87	21.41
			For 3" WG (Class B), Add	5.35	
			For 4" Or 6" WG (Class A), Add	11.42	
			For 10" WG (Class A), Add	16.42	
			For Work In Restricted Working Space, Add	10.71	
23 31 13	13-0093	LF	8" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	44.26	23.19
			For 3" WG (Class B), Add	5.80	
			For 4" Or 6" WG (Class A), Add	12.37	
			For 10" WG (Class A), Add	17.78	
			For Work In Restricted Working Space, Add	11.60	
23 31 13	13-0094	LF	8" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.68	24.99
			For 3" WG (Class B), Add	6.25	
			For 4" Or 6" WG (Class A), Add	13.32	
			For 10" WG (Class A), Add	19.15	
			For Work In Restricted Working Space, Add	12.49	
23 31 13	13-0095	LF	8" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.08	26.77
			For 3" WG (Class B), Add	6.69	
			For 4" Or 6" WG (Class A), Add	14.28	
			For 10" WG (Class A), Add	20.52	
			For Work In Restricted Working Space, Add	13.38	
23 31 13	13-0096	LF	8" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.49	28.55
			For 3" WG (Class B), Add	7.14	
			For 4" Or 6" WG (Class A), Add	15.23	
			For 10" WG (Class A), Add	21.89	
			For Work In Restricted Working Space, Add	14.27	
23 31 13	13-0097	LF	10" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.05	17.85
			For 3" WG (Class B), Add	4.46	
			For 4" Or 6" WG (Class A), Add	9.52	
			For 10" WG (Class A), Add	13.68	
			For Work In Restricted Working Space, Add	8.92	
23 31 13	13-0098	LF	10" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.47	19.63
			For 3" WG (Class B), Add	4.91	
			For 4" Or 6" WG (Class A), Add	10.47	
			For 10" WG (Class A), Add	15.05	
			For Work In Restricted Working Space, Add	9.82	
23 31 13	13-0099	LF	10" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	40.87	21.41
			For 3" WG (Class B), Add	5.35	
			For 4" Or 6" WG (Class A), Add	11.42	
			For 10" WG (Class A), Add	16.42	
			For Work In Restricted Working Space, Add	10.71	
23 31 13	13-0100	LF	10" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	44.26	23.19
			For 3" WG (Class B), Add	5.80	
			For 4" Or 6" WG (Class A), Add	12.37	
			For 10" WG (Class A), Add	17.78	
			For Work In Restricted Working Space, Add	11.60	
23 31 13	13-0101	LF	10" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.68	24.99
			For 3" WG (Class B), Add	6.25	
			For 4" Or 6" WG (Class A), Add	13.32	
			For 10" WG (Class A), Add	19.15	
			For Work In Restricted Working Space, Add	12.49	
23 31 13	13-0102	LF	10" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.08	26.77
			For 3" WG (Class B), Add	6.69	
			For 4" Or 6" WG (Class A), Add	14.28	
			For 10" WG (Class A), Add	20.52	
			For Work In Restricted Working Space, Add	13.38	
23 31 13	13-0103	LF	10" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.49	28.55
			For 3" WG (Class B), Add	7.14	
			For 4" Or 6" WG (Class A), Add	15.23	
			For 10" WG (Class A), Add	21.89	
			For Work In Restricted Working Space, Add	14.27	
23 31 13	13-0104	LF	10" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.91	30.34
			For 3" WG (Class B), Add	7.59	
			For 4" Or 6" WG (Class A), Add	16.18	
			For 10" WG (Class A), Add	23.26	
			For Work In Restricted Working Space, Add	15.17	
23 31 13	13-0105	LF	12" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	40.87	21.41
			For 3" WG (Class B), Add	5.35	
			For 4" Or 6" WG (Class A), Add	11.42	
			For 10" WG (Class A), Add	16.42	
			For Work In Restricted Working Space, Add	10.71	
23 31 13	13-0106	LF	12" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	44.26	23.19
			For 3" WG (Class B), Add	5.80	
			For 4" Or 6" WG (Class A), Add	12.37	
			For 10" WG (Class A), Add	17.78	
			For Work In Restricted Working Space, Add	11.60	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0107 LF 12" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.68	24.99
<i>For 3" WG (Class B), Add</i>	6.25	
<i>For 4" Or 6" WG (Class A), Add</i>	13.32	
<i>For 10" WG (Class A), Add</i>	19.15	
<i>For Work In Restricted Working Space, Add</i>	12.49	
23 31 13 13-0108 LF 12" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.08	26.77
<i>For 3" WG (Class B), Add</i>	6.69	
<i>For 4" Or 6" WG (Class A), Add</i>	14.28	
<i>For 10" WG (Class A), Add</i>	20.52	
<i>For Work In Restricted Working Space, Add</i>	13.38	
23 31 13 13-0109 LF 12" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.49	28.55
<i>For 3" WG (Class B), Add</i>	7.14	
<i>For 4" Or 6" WG (Class A), Add</i>	15.23	
<i>For 10" WG (Class A), Add</i>	21.89	
<i>For Work In Restricted Working Space, Add</i>	14.27	
23 31 13 13-0110 LF 12" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.91	30.34
<i>For 3" WG (Class B), Add</i>	7.59	
<i>For 4" Or 6" WG (Class A), Add</i>	16.18	
<i>For 10" WG (Class A), Add</i>	23.26	
<i>For Work In Restricted Working Space, Add</i>	15.17	
23 31 13 13-0111 LF 12" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	61.30	32.11
<i>For 3" WG (Class B), Add</i>	8.03	
<i>For 4" Or 6" WG (Class A), Add</i>	17.13	
<i>For 10" WG (Class A), Add</i>	24.63	
<i>For Work In Restricted Working Space, Add</i>	16.06	
23 31 13 13-0112 LF 14" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.68	24.99
<i>For 3" WG (Class B), Add</i>	6.25	
<i>For 4" Or 6" WG (Class A), Add</i>	13.32	
<i>For 10" WG (Class A), Add</i>	19.15	
<i>For Work In Restricted Working Space, Add</i>	12.49	
23 31 13 13-0113 LF 14" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.08	26.77
<i>For 3" WG (Class B), Add</i>	6.69	
<i>For 4" Or 6" WG (Class A), Add</i>	14.28	
<i>For 10" WG (Class A), Add</i>	20.52	
<i>For Work In Restricted Working Space, Add</i>	13.38	
23 31 13 13-0114 LF 14" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.49	28.55
<i>For 3" WG (Class B), Add</i>	7.14	
<i>For 4" Or 6" WG (Class A), Add</i>	15.23	
<i>For 10" WG (Class A), Add</i>	21.89	
<i>For Work In Restricted Working Space, Add</i>	14.27	
23 31 13 13-0115 LF 14" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.91	30.34
<i>For 3" WG (Class B), Add</i>	7.59	
<i>For 4" Or 6" WG (Class A), Add</i>	16.18	
<i>For 10" WG (Class A), Add</i>	23.26	
<i>For Work In Restricted Working Space, Add</i>	15.17	
23 31 13 13-0116 LF 14" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	61.30	32.11
<i>For 3" WG (Class B), Add</i>	8.03	
<i>For 4" Or 6" WG (Class A), Add</i>	17.13	
<i>For 10" WG (Class A), Add</i>	24.63	
<i>For Work In Restricted Working Space, Add</i>	16.06	
23 31 13 13-0117 LF 14" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	64.72	33.90
<i>For 3" WG (Class B), Add</i>	8.48	
<i>For 4" Or 6" WG (Class A), Add</i>	18.08	
<i>For 10" WG (Class A), Add</i>	25.99	
<i>For Work In Restricted Working Space, Add</i>	16.95	
23 31 13 13-0118 LF 16" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.49	28.55
<i>For 3" WG (Class B), Add</i>	7.14	
<i>For 4" Or 6" WG (Class A), Add</i>	15.23	
<i>For 10" WG (Class A), Add</i>	21.89	
<i>For Work In Restricted Working Space, Add</i>	14.27	
23 31 13 13-0119 LF 16" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.91	30.34
<i>For 3" WG (Class B), Add</i>	7.59	
<i>For 4" Or 6" WG (Class A), Add</i>	16.18	
<i>For 10" WG (Class A), Add</i>	23.26	
<i>For Work In Restricted Working Space, Add</i>	15.17	
23 31 13 13-0120 LF 16" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	61.30	32.11
<i>For 3" WG (Class B), Add</i>	8.03	
<i>For 4" Or 6" WG (Class A), Add</i>	17.13	
<i>For 10" WG (Class A), Add</i>	24.63	
<i>For Work In Restricted Working Space, Add</i>	16.06	
23 31 13 13-0121 LF 16" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	64.72	33.90
<i>For 3" WG (Class B), Add</i>	8.48	
<i>For 4" Or 6" WG (Class A), Add</i>	18.08	
<i>For 10" WG (Class A), Add</i>	25.99	
<i>For Work In Restricted Working Space, Add</i>	16.95	
23 31 13 13-0122 LF 16" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	68.11	35.69
<i>For 3" WG (Class B), Add</i>	8.92	
<i>For 4" Or 6" WG (Class A), Add</i>	19.03	
<i>For 10" WG (Class A), Add</i>	27.36	
<i>For Work In Restricted Working Space, Add</i>	17.84	
23 31 13 13-0123 LF 18" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	61.30	32.11
<i>For 3" WG (Class B), Add</i>	8.03	
<i>For 4" Or 6" WG (Class A), Add</i>	17.13	
<i>For 10" WG (Class A), Add</i>	24.63	
<i>For Work In Restricted Working Space, Add</i>	16.06	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0124	LF	18" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	64.72	33.90
			For 3" WG (Class B), Add	8.48	
			For 4" Or 6" WG (Class A), Add	18.08	
			For 10" WG (Class A), Add	25.99	
			For Work In Restricted Working Space, Add	16.95	
23 31 13	13-0125	LF	18" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	68.11	35.69
			For 3" WG (Class B), Add	8.92	
			For 4" Or 6" WG (Class A), Add	19.03	
			For 10" WG (Class A), Add	27.36	
			For Work In Restricted Working Space, Add	17.84	
23 31 13	13-0126	LF	18" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	71.51	37.48
			For 3" WG (Class B), Add	9.37	
			For 4" Or 6" WG (Class A), Add	19.98	
			For 10" WG (Class A), Add	28.73	
			For Work In Restricted Working Space, Add	18.74	
23 31 13	13-0127	LF	20" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	68.11	35.69
			For 3" WG (Class B), Add	8.92	
			For 4" Or 6" WG (Class A), Add	19.03	
			For 10" WG (Class A), Add	27.36	
			For Work In Restricted Working Space, Add	17.84	
23 31 13	13-0128	LF	20" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	71.51	37.48
			For 3" WG (Class B), Add	9.37	
			For 4" Or 6" WG (Class A), Add	19.98	
			For 10" WG (Class A), Add	28.73	
			For Work In Restricted Working Space, Add	18.74	
23 31 13	13-0129	LF	20" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	74.93	39.26
			For 3" WG (Class B), Add	9.81	
			For 4" Or 6" WG (Class A), Add	20.94	
			For 10" WG (Class A), Add	30.10	
			For Work In Restricted Working Space, Add	19.63	
23 31 13	13-0130	LF	22" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	74.93	39.26
			For 3" WG (Class B), Add	9.81	
			For 4" Or 6" WG (Class A), Add	20.94	
			For 10" WG (Class A), Add	30.10	
			For Work In Restricted Working Space, Add	19.63	
23 31 13	13-0131	LF	22" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	78.33	41.04
			For 3" WG (Class B), Add	10.26	
			For 4" Or 6" WG (Class A), Add	21.89	
			For 10" WG (Class A), Add	31.46	
			For Work In Restricted Working Space, Add	20.52	
23 31 13	13-0132	LF	24" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	81.73	42.83
			For 3" WG (Class B), Add	10.71	
			For 4" Or 6" WG (Class A), Add	22.84	
			For 10" WG (Class A), Add	32.83	
			For Work In Restricted Working Space, Add	21.41	
<b>23 31 13</b>	<b>13-0133</b>		<b>26 Gauge Galvanized Steel Metal Ductwork</b> <small>(23 31 13 13-0014)</small>		
23 31 13	13-0134	LF	4" x 4", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	15.80	8.27
			For 3" WG (Class B), Add	2.07	
			For 4" Or 6" WG (Class A), Add	4.42	
			For 10" WG (Class A), Add	6.35	
			For Work In Restricted Working Space, Add	4.14	
23 31 13	13-0135	LF	4" x 6", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	19.75	10.34
			For 3" WG (Class B), Add	2.59	
			For 4" Or 6" WG (Class A), Add	5.52	
			For 10" WG (Class A), Add	7.94	
			For Work In Restricted Working Space, Add	5.18	
23 31 13	13-0136	LF	4" x 8", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	23.70	12.43
			For 3" WG (Class B), Add	3.11	
			For 4" Or 6" WG (Class A), Add	6.62	
			For 10" WG (Class A), Add	9.52	
			For Work In Restricted Working Space, Add	6.21	
23 31 13	13-0137	LF	4" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	27.65	14.50
			For 3" WG (Class B), Add	3.62	
			For 4" Or 6" WG (Class A), Add	7.73	
			For 10" WG (Class A), Add	11.11	
			For Work In Restricted Working Space, Add	7.25	
23 31 13	13-0138	LF	4" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.60	16.57
			For 3" WG (Class B), Add	4.14	
			For 4" Or 6" WG (Class A), Add	8.83	
			For 10" WG (Class A), Add	12.70	
			For Work In Restricted Working Space, Add	8.28	
23 31 13	13-0139	LF	4" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	35.54	18.63
			For 3" WG (Class B), Add	4.66	
			For 4" Or 6" WG (Class A), Add	9.93	
			For 10" WG (Class A), Add	14.28	
			For Work In Restricted Working Space, Add	9.31	
23 31 13	13-0140	LF	4" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	39.50	20.70
			For 3" WG (Class B), Add	5.18	
			For 4" Or 6" WG (Class A), Add	11.04	
			For 10" WG (Class A), Add	15.87	
			For Work In Restricted Working Space, Add	10.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0141 LF 6" x 6", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	23.70	12.43
<i>For 3" WG (Class B), Add</i>	3.11	
<i>For 4" Or 6" WG (Class A), Add</i>	6.62	
<i>For 10" WG (Class A), Add</i>	9.52	
<i>For Work In Restricted Working Space, Add</i>	6.21	
23 31 13 13-0142 LF 6" x 8", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	27.65	14.50
<i>For 3" WG (Class B), Add</i>	3.62	
<i>For 4" Or 6" WG (Class A), Add</i>	7.73	
<i>For 10" WG (Class A), Add</i>	11.11	
<i>For Work In Restricted Working Space, Add</i>	7.25	
23 31 13 13-0143 LF 6" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.60	16.57
<i>For 3" WG (Class B), Add</i>	4.14	
<i>For 4" Or 6" WG (Class A), Add</i>	8.83	
<i>For 10" WG (Class A), Add</i>	12.70	
<i>For Work In Restricted Working Space, Add</i>	8.28	
23 31 13 13-0144 LF 6" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	35.55	18.63
<i>For 3" WG (Class B), Add</i>	4.66	
<i>For 4" Or 6" WG (Class A), Add</i>	9.93	
<i>For 10" WG (Class A), Add</i>	14.28	
<i>For Work In Restricted Working Space, Add</i>	9.31	
23 31 13 13-0145 LF 6" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	39.50	20.70
<i>For 3" WG (Class B), Add</i>	5.18	
<i>For 4" Or 6" WG (Class A), Add</i>	11.04	
<i>For 10" WG (Class A), Add</i>	15.87	
<i>For Work In Restricted Working Space, Add</i>	10.35	
23 31 13 13-0146 LF 6" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.46	22.77
<i>For 3" WG (Class B), Add</i>	5.69	
<i>For 4" Or 6" WG (Class A), Add</i>	12.14	
<i>For 10" WG (Class A), Add</i>	17.46	
<i>For Work In Restricted Working Space, Add</i>	11.39	
23 31 13 13-0147 LF 8" x 8", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.60	16.57
<i>For 3" WG (Class B), Add</i>	4.14	
<i>For 4" Or 6" WG (Class A), Add</i>	8.83	
<i>For 10" WG (Class A), Add</i>	12.70	
<i>For Work In Restricted Working Space, Add</i>	8.28	
23 31 13 13-0148 LF 8" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	35.55	18.63
<i>For 3" WG (Class B), Add</i>	4.66	
<i>For 4" Or 6" WG (Class A), Add</i>	9.93	
<i>For 10" WG (Class A), Add</i>	14.28	
<i>For Work In Restricted Working Space, Add</i>	9.31	
23 31 13 13-0149 LF 8" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	39.51	20.70
<i>For 3" WG (Class B), Add</i>	5.18	
<i>For 4" Or 6" WG (Class A), Add</i>	11.04	
<i>For 10" WG (Class A), Add</i>	15.87	
<i>For Work In Restricted Working Space, Add</i>	10.35	
23 31 13 13-0150 LF 8" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.46	22.77
<i>For 3" WG (Class B), Add</i>	5.69	
<i>For 4" Or 6" WG (Class A), Add</i>	12.14	
<i>For 10" WG (Class A), Add</i>	17.46	
<i>For Work In Restricted Working Space, Add</i>	11.39	
23 31 13 13-0151 LF 8" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.42	24.84
<i>For 3" WG (Class B), Add</i>	6.21	
<i>For 4" Or 6" WG (Class A), Add</i>	13.25	
<i>For 10" WG (Class A), Add</i>	19.05	
<i>For Work In Restricted Working Space, Add</i>	12.42	
23 31 13 13-0152 LF 8" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.37	26.91
<i>For 3" WG (Class B), Add</i>	6.73	
<i>For 4" Or 6" WG (Class A), Add</i>	14.36	
<i>For 10" WG (Class A), Add</i>	20.64	
<i>For Work In Restricted Working Space, Add</i>	13.46	
23 31 13 13-0153 LF 8" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	55.31	28.98
<i>For 3" WG (Class B), Add</i>	7.25	
<i>For 4" Or 6" WG (Class A), Add</i>	15.46	
<i>For 10" WG (Class A), Add</i>	22.22	
<i>For Work In Restricted Working Space, Add</i>	14.49	
23 31 13 13-0154 LF 8" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	59.27	31.04
<i>For 3" WG (Class B), Add</i>	7.76	
<i>For 4" Or 6" WG (Class A), Add</i>	16.56	
<i>For 10" WG (Class A), Add</i>	23.81	
<i>For Work In Restricted Working Space, Add</i>	15.53	
23 31 13 13-0155 LF 8" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.21	33.11
<i>For 3" WG (Class B), Add</i>	8.28	
<i>For 4" Or 6" WG (Class A), Add</i>	17.66	
<i>For 10" WG (Class A), Add</i>	25.39	
<i>For Work In Restricted Working Space, Add</i>	16.56	
23 31 13 13-0156 LF 10" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	39.51	20.70
<i>For 3" WG (Class B), Add</i>	5.18	
<i>For 4" Or 6" WG (Class A), Add</i>	11.04	
<i>For 10" WG (Class A), Add</i>	15.87	
<i>For Work In Restricted Working Space, Add</i>	10.35	
23 31 13 13-0157 LF 10" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.46	22.77
<i>For 3" WG (Class B), Add</i>	5.69	
<i>For 4" Or 6" WG (Class A), Add</i>	12.14	
<i>For 10" WG (Class A), Add</i>	17.46	
<i>For Work In Restricted Working Space, Add</i>	11.39	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13	13-0158	LF 10" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.42	24.84
			For 3" WG (Class B), Add	6.21	
			For 4" Or 6" WG (Class A), Add	13.25	
			For 10" WG (Class A), Add	19.05	
			For Work In Restricted Working Space, Add	12.42	
23 31 13	13	13-0159	LF 10" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.37	26.91
			For 3" WG (Class B), Add	6.73	
			For 4" Or 6" WG (Class A), Add	14.36	
			For 10" WG (Class A), Add	20.64	
			For Work In Restricted Working Space, Add	13.46	
23 31 13	13	13-0160	LF 10" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	55.31	28.98
			For 3" WG (Class B), Add	7.25	
			For 4" Or 6" WG (Class A), Add	15.46	
			For 10" WG (Class A), Add	22.22	
			For Work In Restricted Working Space, Add	14.49	
23 31 13	13	13-0161	LF 10" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	59.27	31.04
			For 3" WG (Class B), Add	7.76	
			For 4" Or 6" WG (Class A), Add	16.56	
			For 10" WG (Class A), Add	23.81	
			For Work In Restricted Working Space, Add	15.53	
23 31 13	13	13-0162	LF 10" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.21	33.11
			For 3" WG (Class B), Add	8.28	
			For 4" Or 6" WG (Class A), Add	17.66	
			For 10" WG (Class A), Add	25.39	
			For Work In Restricted Working Space, Add	16.56	
23 31 13	13	13-0163	LF 10" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	67.17	35.20
			For 3" WG (Class B), Add	8.80	
			For 4" Or 6" WG (Class A), Add	18.77	
			For 10" WG (Class A), Add	26.98	
			For Work In Restricted Working Space, Add	17.60	
23 31 13	13	13-0164	LF 12" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.42	24.84
			For 3" WG (Class B), Add	6.21	
			For 4" Or 6" WG (Class A), Add	13.25	
			For 10" WG (Class A), Add	19.05	
			For Work In Restricted Working Space, Add	12.42	
23 31 13	13	13-0165	LF 12" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.37	26.91
			For 3" WG (Class B), Add	6.73	
			For 4" Or 6" WG (Class A), Add	14.36	
			For 10" WG (Class A), Add	20.64	
			For Work In Restricted Working Space, Add	13.46	
23 31 13	13	13-0166	LF 12" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	55.31	28.98
			For 3" WG (Class B), Add	7.25	
			For 4" Or 6" WG (Class A), Add	15.46	
			For 10" WG (Class A), Add	22.22	
			For Work In Restricted Working Space, Add	14.49	
23 31 13	13	13-0167	LF 12" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	59.27	31.04
			For 3" WG (Class B), Add	7.76	
			For 4" Or 6" WG (Class A), Add	16.56	
			For 10" WG (Class A), Add	23.81	
			For Work In Restricted Working Space, Add	15.53	
23 31 13	13	13-0168	LF 12" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.21	33.11
			For 3" WG (Class B), Add	8.28	
			For 4" Or 6" WG (Class A), Add	17.66	
			For 10" WG (Class A), Add	25.39	
			For Work In Restricted Working Space, Add	16.56	
23 31 13	13	13-0169	LF 12" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	67.17	35.20
			For 3" WG (Class B), Add	8.80	
			For 4" Or 6" WG (Class A), Add	18.77	
			For 10" WG (Class A), Add	26.98	
			For Work In Restricted Working Space, Add	17.60	
23 31 13	13	13-0170	LF 12" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	71.12	37.27
			For 3" WG (Class B), Add	9.32	
			For 4" Or 6" WG (Class A), Add	19.88	
			For 10" WG (Class A), Add	28.57	
			For Work In Restricted Working Space, Add	18.63	
23 31 13	13	13-0171	LF 14" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	55.31	28.98
			For 3" WG (Class B), Add	7.25	
			For 4" Or 6" WG (Class A), Add	15.46	
			For 10" WG (Class A), Add	22.22	
			For Work In Restricted Working Space, Add	14.49	
23 31 13	13	13-0172	LF 14" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	59.27	31.04
			For 3" WG (Class B), Add	7.76	
			For 4" Or 6" WG (Class A), Add	16.56	
			For 10" WG (Class A), Add	23.81	
			For Work In Restricted Working Space, Add	15.53	
23 31 13	13	13-0173	LF 14" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.21	33.11
			For 3" WG (Class B), Add	8.28	
			For 4" Or 6" WG (Class A), Add	17.66	
			For 10" WG (Class A), Add	25.39	
			For Work In Restricted Working Space, Add	16.56	
23 31 13	13	13-0174	LF 14" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	67.17	35.20
			For 3" WG (Class B), Add	8.80	
			For 4" Or 6" WG (Class A), Add	18.77	
			For 10" WG (Class A), Add	26.98	
			For Work In Restricted Working Space, Add	17.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0175 LF 14" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	71.12	37.27
<i>For 3" WG (Class B), Add</i>	9.32	
<i>For 4" Or 6" WG (Class A), Add</i>	19.88	
<i>For 10" WG (Class A), Add</i>	28.57	
<i>For Work In Restricted Working Space, Add</i>	18.63	
23 31 13 13-0176 LF 14" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	75.08	39.34
<i>For 3" WG (Class B), Add</i>	9.83	
<i>For 4" Or 6" WG (Class A), Add</i>	20.98	
<i>For 10" WG (Class A), Add</i>	30.16	
<i>For Work In Restricted Working Space, Add</i>	19.67	
23 31 13 13-0177 LF 16" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.21	33.11
<i>For 3" WG (Class B), Add</i>	8.28	
<i>For 4" Or 6" WG (Class A), Add</i>	17.66	
<i>For 10" WG (Class A), Add</i>	25.39	
<i>For Work In Restricted Working Space, Add</i>	16.56	
23 31 13 13-0178 LF 16" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	67.17	35.20
<i>For 3" WG (Class B), Add</i>	8.80	
<i>For 4" Or 6" WG (Class A), Add</i>	18.77	
<i>For 10" WG (Class A), Add</i>	26.98	
<i>For Work In Restricted Working Space, Add</i>	17.60	
23 31 13 13-0179 LF 16" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	71.12	37.27
<i>For 3" WG (Class B), Add</i>	9.32	
<i>For 4" Or 6" WG (Class A), Add</i>	19.88	
<i>For 10" WG (Class A), Add</i>	28.57	
<i>For Work In Restricted Working Space, Add</i>	18.63	
23 31 13 13-0180 LF 16" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	75.08	39.34
<i>For 3" WG (Class B), Add</i>	9.83	
<i>For 4" Or 6" WG (Class A), Add</i>	20.98	
<i>For 10" WG (Class A), Add</i>	30.16	
<i>For Work In Restricted Working Space, Add</i>	19.67	
23 31 13 13-0181 LF 16" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.02	41.41
<i>For 3" WG (Class B), Add</i>	10.35	
<i>For 4" Or 6" WG (Class A), Add</i>	22.08	
<i>For 10" WG (Class A), Add</i>	31.74	
<i>For Work In Restricted Working Space, Add</i>	20.70	
23 31 13 13-0182 LF 18" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	71.12	37.27
<i>For 3" WG (Class B), Add</i>	9.32	
<i>For 4" Or 6" WG (Class A), Add</i>	19.88	
<i>For 10" WG (Class A), Add</i>	28.57	
<i>For Work In Restricted Working Space, Add</i>	18.63	
23 31 13 13-0183 LF 18" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	75.08	39.34
<i>For 3" WG (Class B), Add</i>	9.83	
<i>For 4" Or 6" WG (Class A), Add</i>	20.98	
<i>For 10" WG (Class A), Add</i>	30.16	
<i>For Work In Restricted Working Space, Add</i>	19.67	
23 31 13 13-0184 LF 18" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.02	41.41
<i>For 3" WG (Class B), Add</i>	10.35	
<i>For 4" Or 6" WG (Class A), Add</i>	22.08	
<i>For 10" WG (Class A), Add</i>	31.74	
<i>For Work In Restricted Working Space, Add</i>	20.70	
23 31 13 13-0185 LF 18" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	82.96	43.47
<i>For 3" WG (Class B), Add</i>	10.87	
<i>For 4" Or 6" WG (Class A), Add</i>	23.18	
<i>For 10" WG (Class A), Add</i>	33.33	
<i>For Work In Restricted Working Space, Add</i>	21.74	
23 31 13 13-0186 LF 20" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.02	41.41
<i>For 3" WG (Class B), Add</i>	10.35	
<i>For 4" Or 6" WG (Class A), Add</i>	22.08	
<i>For 10" WG (Class A), Add</i>	31.74	
<i>For Work In Restricted Working Space, Add</i>	20.70	
23 31 13 13-0187 LF 20" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	82.96	43.47
<i>For 3" WG (Class B), Add</i>	10.87	
<i>For 4" Or 6" WG (Class A), Add</i>	23.18	
<i>For 10" WG (Class A), Add</i>	33.33	
<i>For Work In Restricted Working Space, Add</i>	21.74	
23 31 13 13-0188 LF 20" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	86.91	45.54
<i>For 3" WG (Class B), Add</i>	11.39	
<i>For 4" Or 6" WG (Class A), Add</i>	24.29	
<i>For 10" WG (Class A), Add</i>	34.91	
<i>For Work In Restricted Working Space, Add</i>	22.77	
23 31 13 13-0189 LF 22" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	86.91	45.54
<i>For 3" WG (Class B), Add</i>	11.39	
<i>For 4" Or 6" WG (Class A), Add</i>	24.29	
<i>For 10" WG (Class A), Add</i>	34.91	
<i>For Work In Restricted Working Space, Add</i>	22.77	
23 31 13 13-0190 LF 22" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	90.87	47.61
<i>For 3" WG (Class B), Add</i>	11.90	
<i>For 4" Or 6" WG (Class A), Add</i>	25.39	
<i>For 10" WG (Class A), Add</i>	36.50	
<i>For Work In Restricted Working Space, Add</i>	23.81	
23 31 13 13-0191 LF 24" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	94.83	49.68
<i>For 3" WG (Class B), Add</i>	12.42	
<i>For 4" Or 6" WG (Class A), Add</i>	26.50	
<i>For 10" WG (Class A), Add</i>	38.09	
<i>For Work In Restricted Working Space, Add</i>	24.84	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0192			<b>24 Gauge Galvanized Steel Metal Ductwork</b> <small>(23 31 13 13-0014)</small>		
23 31 13 13-0193	LF		4" x 4", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	23.98	12.85
			For 3" WG (Class B), Add	3.21	
			For 4" Or 6" WG (Class A), Add	6.85	
			For 10" WG (Class A), Add	9.85	
			For Work In Restricted Working Space, Add	6.43	
23 31 13 13-0194	LF		4" x 6", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	29.97	16.06
			For 3" WG (Class B), Add	4.02	
			For 4" Or 6" WG (Class A), Add	8.57	
			For 10" WG (Class A), Add	12.32	
			For Work In Restricted Working Space, Add	8.03	
23 31 13 13-0195	LF		4" x 8", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	35.95	19.27
			For 3" WG (Class B), Add	4.82	
			For 4" Or 6" WG (Class A), Add	10.28	
			For 10" WG (Class A), Add	14.78	
			For Work In Restricted Working Space, Add	9.64	
23 31 13 13-0196	LF		4" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.95	22.49
			For 3" WG (Class B), Add	5.62	
			For 4" Or 6" WG (Class A), Add	11.99	
			For 10" WG (Class A), Add	17.24	
			For Work In Restricted Working Space, Add	11.24	
23 31 13 13-0197	LF		4" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.94	25.71
			For 3" WG (Class B), Add	6.42	
			For 4" Or 6" WG (Class A), Add	13.71	
			For 10" WG (Class A), Add	19.70	
			For Work In Restricted Working Space, Add	12.85	
23 31 13 13-0198	LF		4" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	53.94	28.92
			For 3" WG (Class B), Add	7.23	
			For 4" Or 6" WG (Class A), Add	15.42	
			For 10" WG (Class A), Add	22.17	
			For Work In Restricted Working Space, Add	14.46	
23 31 13 13-0199	LF		4" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	59.93	32.12
			For 3" WG (Class B), Add	8.03	
			For 4" Or 6" WG (Class A), Add	17.13	
			For 10" WG (Class A), Add	24.63	
			For Work In Restricted Working Space, Add	16.06	
23 31 13 13-0200	LF		6" x 6", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	35.95	19.27
			For 3" WG (Class B), Add	4.82	
			For 4" Or 6" WG (Class A), Add	10.28	
			For 10" WG (Class A), Add	14.78	
			For Work In Restricted Working Space, Add	9.64	
23 31 13 13-0201	LF		6" x 8", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.95	22.49
			For 3" WG (Class B), Add	5.62	
			For 4" Or 6" WG (Class A), Add	11.99	
			For 10" WG (Class A), Add	17.24	
			For Work In Restricted Working Space, Add	11.24	
23 31 13 13-0202	LF		6" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.94	25.71
			For 3" WG (Class B), Add	6.42	
			For 4" Or 6" WG (Class A), Add	13.71	
			For 10" WG (Class A), Add	19.70	
			For Work In Restricted Working Space, Add	12.85	
23 31 13 13-0203	LF		6" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	53.94	28.92
			For 3" WG (Class B), Add	7.23	
			For 4" Or 6" WG (Class A), Add	15.42	
			For 10" WG (Class A), Add	22.17	
			For Work In Restricted Working Space, Add	14.46	
23 31 13 13-0204	LF		6" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	59.93	32.12
			For 3" WG (Class B), Add	8.03	
			For 4" Or 6" WG (Class A), Add	17.13	
			For 10" WG (Class A), Add	24.63	
			For Work In Restricted Working Space, Add	16.06	
23 31 13 13-0205	LF		6" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.93	35.34
			For 3" WG (Class B), Add	8.84	
			For 4" Or 6" WG (Class A), Add	18.85	
			For 10" WG (Class A), Add	27.09	
			For Work In Restricted Working Space, Add	17.67	
23 31 13 13-0206	LF		8" x 8", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.94	25.71
			For 3" WG (Class B), Add	6.42	
			For 4" Or 6" WG (Class A), Add	13.71	
			For 10" WG (Class A), Add	19.70	
			For Work In Restricted Working Space, Add	12.85	
23 31 13 13-0207	LF		8" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	53.94	28.92
			For 3" WG (Class B), Add	7.23	
			For 4" Or 6" WG (Class A), Add	15.42	
			For 10" WG (Class A), Add	22.17	
			For Work In Restricted Working Space, Add	14.46	
23 31 13 13-0208	LF		8" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	59.93	32.12
			For 3" WG (Class B), Add	8.03	
			For 4" Or 6" WG (Class A), Add	17.13	
			For 10" WG (Class A), Add	24.63	
			For Work In Restricted Working Space, Add	16.06	
23 31 13 13-0209	LF		8" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.93	35.34
			For 3" WG (Class B), Add	8.84	
			For 4" Or 6" WG (Class A), Add	18.85	
			For 10" WG (Class A), Add	27.09	
			For Work In Restricted Working Space, Add	17.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0210 LF 8" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	71.92	38.55
<i>For 3" WG (Class B), Add</i>	9.64	
<i>For 4" Or 6" WG (Class A), Add</i>	20.56	
<i>For 10" WG (Class A), Add</i>	29.56	
<i>For Work In Restricted Working Space, Add</i>	19.28	
23 31 13 13-0211 LF 8" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	77.90	41.76
<i>For 3" WG (Class B), Add</i>	10.44	
<i>For 4" Or 6" WG (Class A), Add</i>	22.27	
<i>For 10" WG (Class A), Add</i>	32.02	
<i>For Work In Restricted Working Space, Add</i>	20.88	
23 31 13 13-0212 LF 8" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	83.90	44.98
<i>For 3" WG (Class B), Add</i>	11.24	
<i>For 4" Or 6" WG (Class A), Add</i>	23.99	
<i>For 10" WG (Class A), Add</i>	34.48	
<i>For Work In Restricted Working Space, Add</i>	22.49	
23 31 13 13-0213 LF 8" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	89.89	48.19
<i>For 3" WG (Class B), Add</i>	12.05	
<i>For 4" Or 6" WG (Class A), Add</i>	25.70	
<i>For 10" WG (Class A), Add</i>	36.94	
<i>For Work In Restricted Working Space, Add</i>	24.09	
23 31 13 13-0214 LF 8" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	95.89	51.40
<i>For 3" WG (Class B), Add</i>	12.85	
<i>For 4" Or 6" WG (Class A), Add</i>	27.41	
<i>For 10" WG (Class A), Add</i>	39.41	
<i>For Work In Restricted Working Space, Add</i>	25.70	
23 31 13 13-0215 LF 10" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	59.93	32.12
<i>For 3" WG (Class B), Add</i>	8.03	
<i>For 4" Or 6" WG (Class A), Add</i>	17.13	
<i>For 10" WG (Class A), Add</i>	24.63	
<i>For Work In Restricted Working Space, Add</i>	16.06	
23 31 13 13-0216 LF 10" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.93	35.34
<i>For 3" WG (Class B), Add</i>	8.84	
<i>For 4" Or 6" WG (Class A), Add</i>	18.85	
<i>For 10" WG (Class A), Add</i>	27.09	
<i>For Work In Restricted Working Space, Add</i>	17.67	
23 31 13 13-0217 LF 10" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	71.92	38.55
<i>For 3" WG (Class B), Add</i>	9.64	
<i>For 4" Or 6" WG (Class A), Add</i>	20.56	
<i>For 10" WG (Class A), Add</i>	29.56	
<i>For Work In Restricted Working Space, Add</i>	19.28	
23 31 13 13-0218 LF 10" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	77.90	41.76
<i>For 3" WG (Class B), Add</i>	10.44	
<i>For 4" Or 6" WG (Class A), Add</i>	22.27	
<i>For 10" WG (Class A), Add</i>	32.02	
<i>For Work In Restricted Working Space, Add</i>	20.88	
23 31 13 13-0219 LF 10" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	83.90	44.98
<i>For 3" WG (Class B), Add</i>	11.24	
<i>For 4" Or 6" WG (Class A), Add</i>	23.99	
<i>For 10" WG (Class A), Add</i>	34.48	
<i>For Work In Restricted Working Space, Add</i>	22.49	
23 31 13 13-0220 LF 10" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	89.89	48.19
<i>For 3" WG (Class B), Add</i>	12.05	
<i>For 4" Or 6" WG (Class A), Add</i>	25.70	
<i>For 10" WG (Class A), Add</i>	36.94	
<i>For Work In Restricted Working Space, Add</i>	24.09	
23 31 13 13-0221 LF 10" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	95.89	51.40
<i>For 3" WG (Class B), Add</i>	12.85	
<i>For 4" Or 6" WG (Class A), Add</i>	27.41	
<i>For 10" WG (Class A), Add</i>	39.41	
<i>For Work In Restricted Working Space, Add</i>	25.70	
23 31 13 13-0222 LF 10" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.88	54.61
<i>For 3" WG (Class B), Add</i>	13.65	
<i>For 4" Or 6" WG (Class A), Add</i>	29.13	
<i>For 10" WG (Class A), Add</i>	41.87	
<i>For Work In Restricted Working Space, Add</i>	27.31	
23 31 13 13-0223 LF 10" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	107.88	57.82
<i>For 3" WG (Class B), Add</i>	14.46	
<i>For 4" Or 6" WG (Class A), Add</i>	30.84	
<i>For 10" WG (Class A), Add</i>	44.33	
<i>For Work In Restricted Working Space, Add</i>	28.91	
23 31 13 13-0224 LF 10" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	113.87	61.04
<i>For 3" WG (Class B), Add</i>	15.26	
<i>For 4" Or 6" WG (Class A), Add</i>	32.55	
<i>For 10" WG (Class A), Add</i>	46.80	
<i>For Work In Restricted Working Space, Add</i>	30.52	
23 31 13 13-0225 LF 10" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	119.86	64.26
<i>For 3" WG (Class B), Add</i>	16.06	
<i>For 4" Or 6" WG (Class A), Add</i>	34.27	
<i>For 10" WG (Class A), Add</i>	49.26	
<i>For Work In Restricted Working Space, Add</i>	32.12	
23 31 13 13-0226 LF 12" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	71.92	38.55
<i>For 3" WG (Class B), Add</i>	9.64	
<i>For 4" Or 6" WG (Class A), Add</i>	20.56	
<i>For 10" WG (Class A), Add</i>	29.56	
<i>For Work In Restricted Working Space, Add</i>	19.28	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0227	LF	12" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	77.90	41.76
			<i>For 3" WG (Class B), Add</i>	10.44	
			<i>For 4" Or 6" WG (Class A), Add</i>	22.27	
			<i>For 10" WG (Class A), Add</i>	32.02	
			<i>For Work In Restricted Working Space, Add</i>	20.88	
23 31 13	13-0228	LF	12" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	83.90	44.98
			<i>For 3" WG (Class B), Add</i>	11.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.99	
			<i>For 10" WG (Class A), Add</i>	34.48	
			<i>For Work In Restricted Working Space, Add</i>	22.49	
23 31 13	13-0229	LF	12" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	89.89	48.19
			<i>For 3" WG (Class B), Add</i>	12.05	
			<i>For 4" Or 6" WG (Class A), Add</i>	25.70	
			<i>For 10" WG (Class A), Add</i>	36.94	
			<i>For Work In Restricted Working Space, Add</i>	24.09	
23 31 13	13-0230	LF	12" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	95.89	51.40
			<i>For 3" WG (Class B), Add</i>	12.85	
			<i>For 4" Or 6" WG (Class A), Add</i>	27.41	
			<i>For 10" WG (Class A), Add</i>	39.41	
			<i>For Work In Restricted Working Space, Add</i>	25.70	
23 31 13	13-0231	LF	12" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.88	54.61
			<i>For 3" WG (Class B), Add</i>	13.65	
			<i>For 4" Or 6" WG (Class A), Add</i>	29.13	
			<i>For 10" WG (Class A), Add</i>	41.87	
			<i>For Work In Restricted Working Space, Add</i>	27.31	
23 31 13	13-0232	LF	12" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	107.88	57.82
			<i>For 3" WG (Class B), Add</i>	14.46	
			<i>For 4" Or 6" WG (Class A), Add</i>	30.84	
			<i>For 10" WG (Class A), Add</i>	44.33	
			<i>For Work In Restricted Working Space, Add</i>	28.91	
23 31 13	13-0233	LF	12" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	113.87	61.04
			<i>For 3" WG (Class B), Add</i>	15.26	
			<i>For 4" Or 6" WG (Class A), Add</i>	32.55	
			<i>For 10" WG (Class A), Add</i>	46.80	
			<i>For Work In Restricted Working Space, Add</i>	30.52	
23 31 13	13-0234	LF	12" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	119.86	64.26
			<i>For 3" WG (Class B), Add</i>	16.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	34.27	
			<i>For 10" WG (Class A), Add</i>	49.26	
			<i>For Work In Restricted Working Space, Add</i>	32.12	
23 31 13	13-0235	LF	12" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	125.85	67.47
			<i>For 3" WG (Class B), Add</i>	16.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	35.98	
			<i>For 10" WG (Class A), Add</i>	51.72	
			<i>For Work In Restricted Working Space, Add</i>	33.73	
23 31 13	13-0236	LF	14" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	83.90	44.98
			<i>For 3" WG (Class B), Add</i>	11.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.99	
			<i>For 10" WG (Class A), Add</i>	34.48	
			<i>For Work In Restricted Working Space, Add</i>	22.49	
23 31 13	13-0237	LF	14" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	89.89	48.19
			<i>For 3" WG (Class B), Add</i>	12.05	
			<i>For 4" Or 6" WG (Class A), Add</i>	25.70	
			<i>For 10" WG (Class A), Add</i>	36.94	
			<i>For Work In Restricted Working Space, Add</i>	24.09	
23 31 13	13-0238	LF	14" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	95.89	51.40
			<i>For 3" WG (Class B), Add</i>	12.85	
			<i>For 4" Or 6" WG (Class A), Add</i>	27.41	
			<i>For 10" WG (Class A), Add</i>	39.41	
			<i>For Work In Restricted Working Space, Add</i>	25.70	
23 31 13	13-0239	LF	14" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.88	54.61
			<i>For 3" WG (Class B), Add</i>	13.65	
			<i>For 4" Or 6" WG (Class A), Add</i>	29.13	
			<i>For 10" WG (Class A), Add</i>	41.87	
			<i>For Work In Restricted Working Space, Add</i>	27.31	
23 31 13	13-0240	LF	14" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	107.88	57.82
			<i>For 3" WG (Class B), Add</i>	14.46	
			<i>For 4" Or 6" WG (Class A), Add</i>	30.84	
			<i>For 10" WG (Class A), Add</i>	44.33	
			<i>For Work In Restricted Working Space, Add</i>	28.91	
23 31 13	13-0241	LF	14" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	113.87	61.04
			<i>For 3" WG (Class B), Add</i>	15.26	
			<i>For 4" Or 6" WG (Class A), Add</i>	32.55	
			<i>For 10" WG (Class A), Add</i>	46.80	
			<i>For Work In Restricted Working Space, Add</i>	30.52	
23 31 13	13-0242	LF	14" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	119.86	64.26
			<i>For 3" WG (Class B), Add</i>	16.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	34.27	
			<i>For 10" WG (Class A), Add</i>	49.26	
			<i>For Work In Restricted Working Space, Add</i>	32.12	
23 31 13	13-0243	LF	14" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	125.85	67.47
			<i>For 3" WG (Class B), Add</i>	16.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	35.98	
			<i>For 10" WG (Class A), Add</i>	51.72	
			<i>For Work In Restricted Working Space, Add</i>	33.73	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0244 LF 14" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.84	70.67
<i>For 3" WG (Class B), Add</i>	17.67	
<i>For 4" Or 6" WG (Class A), Add</i>	37.69	
<i>For 10" WG (Class A), Add</i>	54.18	
<i>For Work In Restricted Working Space, Add</i>	35.34	
23 31 13 13-0245 LF 16" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	95.89	51.40
<i>For 3" WG (Class B), Add</i>	12.85	
<i>For 4" Or 6" WG (Class A), Add</i>	27.41	
<i>For 10" WG (Class A), Add</i>	39.41	
<i>For Work In Restricted Working Space, Add</i>	25.70	
23 31 13 13-0246 LF 16" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.88	54.61
<i>For 3" WG (Class B), Add</i>	13.65	
<i>For 4" Or 6" WG (Class A), Add</i>	29.13	
<i>For 10" WG (Class A), Add</i>	41.87	
<i>For Work In Restricted Working Space, Add</i>	27.31	
23 31 13 13-0247 LF 16" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	107.88	57.82
<i>For 3" WG (Class B), Add</i>	14.46	
<i>For 4" Or 6" WG (Class A), Add</i>	30.84	
<i>For 10" WG (Class A), Add</i>	44.33	
<i>For Work In Restricted Working Space, Add</i>	28.91	
23 31 13 13-0248 LF 16" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	113.87	61.04
<i>For 3" WG (Class B), Add</i>	15.26	
<i>For 4" Or 6" WG (Class A), Add</i>	32.55	
<i>For 10" WG (Class A), Add</i>	46.80	
<i>For Work In Restricted Working Space, Add</i>	30.52	
23 31 13 13-0249 LF 16" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	119.86	64.26
<i>For 3" WG (Class B), Add</i>	16.06	
<i>For 4" Or 6" WG (Class A), Add</i>	34.27	
<i>For 10" WG (Class A), Add</i>	49.26	
<i>For Work In Restricted Working Space, Add</i>	32.12	
23 31 13 13-0250 LF 16" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	125.85	67.47
<i>For 3" WG (Class B), Add</i>	16.87	
<i>For 4" Or 6" WG (Class A), Add</i>	35.98	
<i>For 10" WG (Class A), Add</i>	51.72	
<i>For Work In Restricted Working Space, Add</i>	33.73	
23 31 13 13-0251 LF 16" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.84	70.67
<i>For 3" WG (Class B), Add</i>	17.67	
<i>For 4" Or 6" WG (Class A), Add</i>	37.69	
<i>For 10" WG (Class A), Add</i>	54.18	
<i>For Work In Restricted Working Space, Add</i>	35.34	
23 31 13 13-0252 LF 16" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	137.84	73.89
<i>For 3" WG (Class B), Add</i>	18.47	
<i>For 4" Or 6" WG (Class A), Add</i>	39.41	
<i>For 10" WG (Class A), Add</i>	56.65	
<i>For Work In Restricted Working Space, Add</i>	36.95	
23 31 13 13-0253 LF 18" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	107.88	57.82
<i>For 3" WG (Class B), Add</i>	14.46	
<i>For 4" Or 6" WG (Class A), Add</i>	30.84	
<i>For 10" WG (Class A), Add</i>	44.33	
<i>For Work In Restricted Working Space, Add</i>	28.91	
23 31 13 13-0254 LF 18" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	113.87	61.04
<i>For 3" WG (Class B), Add</i>	15.26	
<i>For 4" Or 6" WG (Class A), Add</i>	32.55	
<i>For 10" WG (Class A), Add</i>	46.80	
<i>For Work In Restricted Working Space, Add</i>	30.52	
23 31 13 13-0255 LF 18" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	119.86	64.26
<i>For 3" WG (Class B), Add</i>	16.06	
<i>For 4" Or 6" WG (Class A), Add</i>	34.27	
<i>For 10" WG (Class A), Add</i>	49.26	
<i>For Work In Restricted Working Space, Add</i>	32.12	
23 31 13 13-0256 LF 18" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	125.85	67.47
<i>For 3" WG (Class B), Add</i>	16.87	
<i>For 4" Or 6" WG (Class A), Add</i>	35.98	
<i>For 10" WG (Class A), Add</i>	51.72	
<i>For Work In Restricted Working Space, Add</i>	33.73	
23 31 13 13-0257 LF 18" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.84	70.67
<i>For 3" WG (Class B), Add</i>	17.67	
<i>For 4" Or 6" WG (Class A), Add</i>	37.69	
<i>For 10" WG (Class A), Add</i>	54.18	
<i>For Work In Restricted Working Space, Add</i>	35.34	
23 31 13 13-0258 LF 18" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	137.84	73.89
<i>For 3" WG (Class B), Add</i>	18.47	
<i>For 4" Or 6" WG (Class A), Add</i>	39.41	
<i>For 10" WG (Class A), Add</i>	56.65	
<i>For Work In Restricted Working Space, Add</i>	36.95	
23 31 13 13-0259 LF 18" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	143.83	77.10
<i>For 3" WG (Class B), Add</i>	19.28	
<i>For 4" Or 6" WG (Class A), Add</i>	41.12	
<i>For 10" WG (Class A), Add</i>	59.11	
<i>For Work In Restricted Working Space, Add</i>	38.55	
23 31 13 13-0260 LF 20" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	119.86	64.26
<i>For 3" WG (Class B), Add</i>	16.06	
<i>For 4" Or 6" WG (Class A), Add</i>	34.27	
<i>For 10" WG (Class A), Add</i>	49.26	
<i>For Work In Restricted Working Space, Add</i>	32.12	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0261	LF	20" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	125.85	67.47
			<i>For 3" WG (Class B), Add</i>	16.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	35.98	
			<i>For 10" WG (Class A), Add</i>	51.72	
			<i>For Work In Restricted Working Space, Add</i>	33.73	
23 31 13	13-0262	LF	20" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.84	70.67
			<i>For 3" WG (Class B), Add</i>	17.67	
			<i>For 4" Or 6" WG (Class A), Add</i>	37.69	
			<i>For 10" WG (Class A), Add</i>	54.18	
			<i>For Work In Restricted Working Space, Add</i>	35.34	
23 31 13	13-0263	LF	20" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	137.84	73.89
			<i>For 3" WG (Class B), Add</i>	18.47	
			<i>For 4" Or 6" WG (Class A), Add</i>	39.41	
			<i>For 10" WG (Class A), Add</i>	56.65	
			<i>For Work In Restricted Working Space, Add</i>	36.95	
23 31 13	13-0264	LF	20" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	143.83	77.10
			<i>For 3" WG (Class B), Add</i>	19.28	
			<i>For 4" Or 6" WG (Class A), Add</i>	41.12	
			<i>For 10" WG (Class A), Add</i>	59.11	
			<i>For Work In Restricted Working Space, Add</i>	38.55	
23 31 13	13-0265	LF	20" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	149.83	80.31
			<i>For 3" WG (Class B), Add</i>	20.08	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.84	
			<i>For 10" WG (Class A), Add</i>	61.58	
			<i>For Work In Restricted Working Space, Add</i>	40.16	
23 31 13	13-0266	LF	22" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.84	70.67
			<i>For 3" WG (Class B), Add</i>	17.67	
			<i>For 4" Or 6" WG (Class A), Add</i>	37.69	
			<i>For 10" WG (Class A), Add</i>	54.18	
			<i>For Work In Restricted Working Space, Add</i>	35.34	
23 31 13	13-0267	LF	22" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	137.84	73.89
			<i>For 3" WG (Class B), Add</i>	18.47	
			<i>For 4" Or 6" WG (Class A), Add</i>	39.41	
			<i>For 10" WG (Class A), Add</i>	56.65	
			<i>For Work In Restricted Working Space, Add</i>	36.95	
23 31 13	13-0268	LF	22" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	143.83	77.10
			<i>For 3" WG (Class B), Add</i>	19.28	
			<i>For 4" Or 6" WG (Class A), Add</i>	41.12	
			<i>For 10" WG (Class A), Add</i>	59.11	
			<i>For Work In Restricted Working Space, Add</i>	38.55	
23 31 13	13-0269	LF	22" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	149.83	80.31
			<i>For 3" WG (Class B), Add</i>	20.08	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.84	
			<i>For 10" WG (Class A), Add</i>	61.58	
			<i>For Work In Restricted Working Space, Add</i>	40.16	
23 31 13	13-0270	LF	22" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	155.82	83.53
			<i>For 3" WG (Class B), Add</i>	20.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	44.55	
			<i>For 10" WG (Class A), Add</i>	64.04	
			<i>For Work In Restricted Working Space, Add</i>	41.76	
23 31 13	13-0271	LF	24" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	143.83	77.10
			<i>For 3" WG (Class B), Add</i>	19.28	
			<i>For 4" Or 6" WG (Class A), Add</i>	41.12	
			<i>For 10" WG (Class A), Add</i>	59.11	
			<i>For Work In Restricted Working Space, Add</i>	38.55	
23 31 13	13-0272	LF	24" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	149.83	80.31
			<i>For 3" WG (Class B), Add</i>	20.08	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.84	
			<i>For 10" WG (Class A), Add</i>	61.58	
			<i>For Work In Restricted Working Space, Add</i>	40.16	
23 31 13	13-0273	LF	24" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	155.82	83.53
			<i>For 3" WG (Class B), Add</i>	20.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	44.55	
			<i>For 10" WG (Class A), Add</i>	64.04	
			<i>For Work In Restricted Working Space, Add</i>	41.76	
23 31 13	13-0274	LF	24" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	161.82	86.75
			<i>For 3" WG (Class B), Add</i>	21.69	
			<i>For 4" Or 6" WG (Class A), Add</i>	46.26	
			<i>For 10" WG (Class A), Add</i>	66.50	
			<i>For Work In Restricted Working Space, Add</i>	43.37	
23 31 13	13-0275	LF	26" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	155.82	83.53
			<i>For 3" WG (Class B), Add</i>	20.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	44.55	
			<i>For 10" WG (Class A), Add</i>	64.04	
			<i>For Work In Restricted Working Space, Add</i>	41.76	
23 31 13	13-0276	LF	26" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	161.82	86.75
			<i>For 3" WG (Class B), Add</i>	21.69	
			<i>For 4" Or 6" WG (Class A), Add</i>	46.26	
			<i>For 10" WG (Class A), Add</i>	66.50	
			<i>For Work In Restricted Working Space, Add</i>	43.37	
23 31 13	13-0277	LF	26" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	167.80	89.94
			<i>For 3" WG (Class B), Add</i>	22.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	47.97	
			<i>For 10" WG (Class A), Add</i>	68.96	
			<i>For Work In Restricted Working Space, Add</i>	44.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0278 LF 28" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	167.80	89.94
<i>For 3" WG (Class B), Add</i>	22.49	
<i>For 4" Or 6" WG (Class A), Add</i>	47.97	
<i>For 10" WG (Class A), Add</i>	68.96	
<i>For Work In Restricted Working Space, Add</i>	44.97	
23 31 13 13-0279 LF 28" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	173.79	93.16
<i>For 3" WG (Class B), Add</i>	23.29	
<i>For 4" Or 6" WG (Class A), Add</i>	49.69	
<i>For 10" WG (Class A), Add</i>	71.42	
<i>For Work In Restricted Working Space, Add</i>	46.58	
23 31 13 13-0280 LF 30" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	179.79	96.38
<i>For 3" WG (Class B), Add</i>	24.09	
<i>For 4" Or 6" WG (Class A), Add</i>	51.40	
<i>For 10" WG (Class A), Add</i>	73.89	
<i>For Work In Restricted Working Space, Add</i>	48.19	
<b>23 31 13 13-0281 22 Gauge Galvanized Steel Metal Ductwork</b> <small>(23 31 13 13-0014)</small>		
23 31 13 13-0282 LF 4" x 4", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	24.53	12.85
<i>For 3" WG (Class B), Add</i>	3.21	
<i>For 4" Or 6" WG (Class A), Add</i>	6.85	
<i>For 10" WG (Class A), Add</i>	9.85	
<i>For Work In Restricted Working Space, Add</i>	6.43	
23 31 13 13-0283 LF 4" x 6", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	30.66	16.06
<i>For 3" WG (Class B), Add</i>	4.02	
<i>For 4" Or 6" WG (Class A), Add</i>	8.57	
<i>For 10" WG (Class A), Add</i>	12.32	
<i>For Work In Restricted Working Space, Add</i>	8.03	
23 31 13 13-0284 LF 4" x 8", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	36.78	19.27
<i>For 3" WG (Class B), Add</i>	4.82	
<i>For 4" Or 6" WG (Class A), Add</i>	10.28	
<i>For 10" WG (Class A), Add</i>	14.78	
<i>For Work In Restricted Working Space, Add</i>	9.64	
23 31 13 13-0285 LF 4" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	42.92	22.49
<i>For 3" WG (Class B), Add</i>	5.62	
<i>For 4" Or 6" WG (Class A), Add</i>	11.99	
<i>For 10" WG (Class A), Add</i>	17.24	
<i>For Work In Restricted Working Space, Add</i>	11.24	
23 31 13 13-0286 LF 4" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	49.05	25.71
<i>For 3" WG (Class B), Add</i>	6.42	
<i>For 4" Or 6" WG (Class A), Add</i>	13.71	
<i>For 10" WG (Class A), Add</i>	19.70	
<i>For Work In Restricted Working Space, Add</i>	12.85	
23 31 13 13-0287 LF 4" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	55.18	28.92
<i>For 3" WG (Class B), Add</i>	7.23	
<i>For 4" Or 6" WG (Class A), Add</i>	15.42	
<i>For 10" WG (Class A), Add</i>	22.17	
<i>For Work In Restricted Working Space, Add</i>	14.46	
23 31 13 13-0288 LF 4" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	61.31	32.12
<i>For 3" WG (Class B), Add</i>	8.03	
<i>For 4" Or 6" WG (Class A), Add</i>	17.13	
<i>For 10" WG (Class A), Add</i>	24.63	
<i>For Work In Restricted Working Space, Add</i>	16.06	
23 31 13 13-0289 LF 6" x 6", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	36.78	19.27
<i>For 3" WG (Class B), Add</i>	4.82	
<i>For 4" Or 6" WG (Class A), Add</i>	10.28	
<i>For 10" WG (Class A), Add</i>	14.78	
<i>For Work In Restricted Working Space, Add</i>	9.64	
23 31 13 13-0290 LF 6" x 8", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	42.92	22.49
<i>For 3" WG (Class B), Add</i>	5.62	
<i>For 4" Or 6" WG (Class A), Add</i>	11.99	
<i>For 10" WG (Class A), Add</i>	17.24	
<i>For Work In Restricted Working Space, Add</i>	11.24	
23 31 13 13-0291 LF 6" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	49.05	25.71
<i>For 3" WG (Class B), Add</i>	6.42	
<i>For 4" Or 6" WG (Class A), Add</i>	13.71	
<i>For 10" WG (Class A), Add</i>	19.70	
<i>For Work In Restricted Working Space, Add</i>	12.85	
23 31 13 13-0292 LF 6" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	55.18	28.92
<i>For 3" WG (Class B), Add</i>	7.23	
<i>For 4" Or 6" WG (Class A), Add</i>	15.42	
<i>For 10" WG (Class A), Add</i>	22.17	
<i>For Work In Restricted Working Space, Add</i>	14.46	
23 31 13 13-0293 LF 6" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	61.31	32.12
<i>For 3" WG (Class B), Add</i>	8.03	
<i>For 4" Or 6" WG (Class A), Add</i>	17.13	
<i>For 10" WG (Class A), Add</i>	24.63	
<i>For Work In Restricted Working Space, Add</i>	16.06	
23 31 13 13-0294 LF 6" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	67.45	35.34
<i>For 3" WG (Class B), Add</i>	8.84	
<i>For 4" Or 6" WG (Class A), Add</i>	18.85	
<i>For 10" WG (Class A), Add</i>	27.09	
<i>For Work In Restricted Working Space, Add</i>	17.67	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 31 13 13-0295	LF	8" x 8", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	49.05		25.71
		<i>For 3" WG (Class B), Add</i>	6.42		
		<i>For 4" Or 6" WG (Class A), Add</i>	13.71		
		<i>For 10" WG (Class A), Add</i>	19.70		
		<i>For Work In Restricted Working Space, Add</i>	12.85		
23 31 13 13-0296	LF	8" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	55.18		28.92
		<i>For 3" WG (Class B), Add</i>	7.23		
		<i>For 4" Or 6" WG (Class A), Add</i>	15.42		
		<i>For 10" WG (Class A), Add</i>	22.17		
		<i>For Work In Restricted Working Space, Add</i>	14.46		
23 31 13 13-0297	LF	8" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	61.31		32.12
		<i>For 3" WG (Class B), Add</i>	8.03		
		<i>For 4" Or 6" WG (Class A), Add</i>	17.13		
		<i>For 10" WG (Class A), Add</i>	24.63		
		<i>For Work In Restricted Working Space, Add</i>	16.06		
23 31 13 13-0298	LF	8" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	67.45		35.34
		<i>For 3" WG (Class B), Add</i>	8.84		
		<i>For 4" Or 6" WG (Class A), Add</i>	18.85		
		<i>For 10" WG (Class A), Add</i>	27.09		
		<i>For Work In Restricted Working Space, Add</i>	17.67		
23 31 13 13-0299	LF	8" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	73.58		38.55
		<i>For 3" WG (Class B), Add</i>	9.64		
		<i>For 4" Or 6" WG (Class A), Add</i>	20.56		
		<i>For 10" WG (Class A), Add</i>	29.56		
		<i>For Work In Restricted Working Space, Add</i>	19.28		
23 31 13 13-0300	LF	8" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.70		41.76
		<i>For 3" WG (Class B), Add</i>	10.44		
		<i>For 4" Or 6" WG (Class A), Add</i>	22.27		
		<i>For 10" WG (Class A), Add</i>	32.02		
		<i>For Work In Restricted Working Space, Add</i>	20.88		
23 31 13 13-0301	LF	8" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	85.84		44.98
		<i>For 3" WG (Class B), Add</i>	11.24		
		<i>For 4" Or 6" WG (Class A), Add</i>	23.99		
		<i>For 10" WG (Class A), Add</i>	34.48		
		<i>For Work In Restricted Working Space, Add</i>	22.49		
23 31 13 13-0302	LF	8" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	91.96		48.19
		<i>For 3" WG (Class B), Add</i>	12.05		
		<i>For 4" Or 6" WG (Class A), Add</i>	25.70		
		<i>For 10" WG (Class A), Add</i>	36.94		
		<i>For Work In Restricted Working Space, Add</i>	24.09		
23 31 13 13-0303	LF	8" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	98.10		51.40
		<i>For 3" WG (Class B), Add</i>	12.85		
		<i>For 4" Or 6" WG (Class A), Add</i>	27.41		
		<i>For 10" WG (Class A), Add</i>	39.41		
		<i>For Work In Restricted Working Space, Add</i>	25.70		
23 31 13 13-0304	LF	10" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	61.31		32.12
		<i>For 3" WG (Class B), Add</i>	8.03		
		<i>For 4" Or 6" WG (Class A), Add</i>	17.13		
		<i>For 10" WG (Class A), Add</i>	24.63		
		<i>For Work In Restricted Working Space, Add</i>	16.06		
23 31 13 13-0305	LF	10" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	67.45		35.34
		<i>For 3" WG (Class B), Add</i>	8.84		
		<i>For 4" Or 6" WG (Class A), Add</i>	18.85		
		<i>For 10" WG (Class A), Add</i>	27.09		
		<i>For Work In Restricted Working Space, Add</i>	17.67		
23 31 13 13-0306	LF	10" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	73.58		38.55
		<i>For 3" WG (Class B), Add</i>	9.64		
		<i>For 4" Or 6" WG (Class A), Add</i>	20.56		
		<i>For 10" WG (Class A), Add</i>	29.56		
		<i>For Work In Restricted Working Space, Add</i>	19.28		
23 31 13 13-0307	LF	10" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.70		41.76
		<i>For 3" WG (Class B), Add</i>	10.44		
		<i>For 4" Or 6" WG (Class A), Add</i>	22.27		
		<i>For 10" WG (Class A), Add</i>	32.02		
		<i>For Work In Restricted Working Space, Add</i>	20.88		
23 31 13 13-0308	LF	10" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	85.84		44.98
		<i>For 3" WG (Class B), Add</i>	11.24		
		<i>For 4" Or 6" WG (Class A), Add</i>	23.99		
		<i>For 10" WG (Class A), Add</i>	34.48		
		<i>For Work In Restricted Working Space, Add</i>	22.49		
23 31 13 13-0309	LF	10" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	91.96		48.19
		<i>For 3" WG (Class B), Add</i>	12.05		
		<i>For 4" Or 6" WG (Class A), Add</i>	25.70		
		<i>For 10" WG (Class A), Add</i>	36.94		
		<i>For Work In Restricted Working Space, Add</i>	24.09		
23 31 13 13-0310	LF	10" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	98.10		51.40
		<i>For 3" WG (Class B), Add</i>	12.85		
		<i>For 4" Or 6" WG (Class A), Add</i>	27.41		
		<i>For 10" WG (Class A), Add</i>	39.41		
		<i>For Work In Restricted Working Space, Add</i>	25.70		
23 31 13 13-0311	LF	10" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	104.23		54.61
		<i>For 3" WG (Class B), Add</i>	13.65		
		<i>For 4" Or 6" WG (Class A), Add</i>	29.13		
		<i>For 10" WG (Class A), Add</i>	41.87		
		<i>For Work In Restricted Working Space, Add</i>	27.31		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0312 LF 10" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	110.36	57.82
<i>For 3" WG (Class B), Add</i>	14.46	
<i>For 4" Or 6" WG (Class A), Add</i>	30.84	
<i>For 10" WG (Class A), Add</i>	44.33	
<i>For Work In Restricted Working Space, Add</i>	28.91	
23 31 13 13-0313 LF 10" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	116.49	61.04
<i>For 3" WG (Class B), Add</i>	15.26	
<i>For 4" Or 6" WG (Class A), Add</i>	32.55	
<i>For 10" WG (Class A), Add</i>	46.80	
<i>For Work In Restricted Working Space, Add</i>	30.52	
23 31 13 13-0314 LF 10" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.62	64.26
<i>For 3" WG (Class B), Add</i>	16.06	
<i>For 4" Or 6" WG (Class A), Add</i>	34.27	
<i>For 10" WG (Class A), Add</i>	49.26	
<i>For Work In Restricted Working Space, Add</i>	32.12	
23 31 13 13-0315 LF 10" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	128.75	67.47
<i>For 3" WG (Class B), Add</i>	16.87	
<i>For 4" Or 6" WG (Class A), Add</i>	35.98	
<i>For 10" WG (Class A), Add</i>	51.72	
<i>For Work In Restricted Working Space, Add</i>	33.73	
23 31 13 13-0316 LF 12" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	73.58	38.55
<i>For 3" WG (Class B), Add</i>	9.64	
<i>For 4" Or 6" WG (Class A), Add</i>	20.56	
<i>For 10" WG (Class A), Add</i>	29.56	
<i>For Work In Restricted Working Space, Add</i>	19.28	
23 31 13 13-0317 LF 12" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.70	41.76
<i>For 3" WG (Class B), Add</i>	10.44	
<i>For 4" Or 6" WG (Class A), Add</i>	22.27	
<i>For 10" WG (Class A), Add</i>	32.02	
<i>For Work In Restricted Working Space, Add</i>	20.88	
23 31 13 13-0318 LF 12" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	85.84	44.98
<i>For 3" WG (Class B), Add</i>	11.24	
<i>For 4" Or 6" WG (Class A), Add</i>	23.99	
<i>For 10" WG (Class A), Add</i>	34.48	
<i>For Work In Restricted Working Space, Add</i>	22.49	
23 31 13 13-0319 LF 12" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	91.96	48.19
<i>For 3" WG (Class B), Add</i>	12.05	
<i>For 4" Or 6" WG (Class A), Add</i>	25.70	
<i>For 10" WG (Class A), Add</i>	36.94	
<i>For Work In Restricted Working Space, Add</i>	24.09	
23 31 13 13-0320 LF 12" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	98.10	51.40
<i>For 3" WG (Class B), Add</i>	12.85	
<i>For 4" Or 6" WG (Class A), Add</i>	27.41	
<i>For 10" WG (Class A), Add</i>	39.41	
<i>For Work In Restricted Working Space, Add</i>	25.70	
23 31 13 13-0321 LF 12" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	104.23	54.61
<i>For 3" WG (Class B), Add</i>	13.65	
<i>For 4" Or 6" WG (Class A), Add</i>	29.13	
<i>For 10" WG (Class A), Add</i>	41.87	
<i>For Work In Restricted Working Space, Add</i>	27.31	
23 31 13 13-0322 LF 12" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	110.36	57.82
<i>For 3" WG (Class B), Add</i>	14.46	
<i>For 4" Or 6" WG (Class A), Add</i>	30.84	
<i>For 10" WG (Class A), Add</i>	44.33	
<i>For Work In Restricted Working Space, Add</i>	28.91	
23 31 13 13-0323 LF 12" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	116.49	61.04
<i>For 3" WG (Class B), Add</i>	15.26	
<i>For 4" Or 6" WG (Class A), Add</i>	32.55	
<i>For 10" WG (Class A), Add</i>	46.80	
<i>For Work In Restricted Working Space, Add</i>	30.52	
23 31 13 13-0324 LF 12" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.62	64.26
<i>For 3" WG (Class B), Add</i>	16.06	
<i>For 4" Or 6" WG (Class A), Add</i>	34.27	
<i>For 10" WG (Class A), Add</i>	49.26	
<i>For Work In Restricted Working Space, Add</i>	32.12	
23 31 13 13-0325 LF 12" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	128.75	67.47
<i>For 3" WG (Class B), Add</i>	16.87	
<i>For 4" Or 6" WG (Class A), Add</i>	35.98	
<i>For 10" WG (Class A), Add</i>	51.72	
<i>For Work In Restricted Working Space, Add</i>	33.73	
23 31 13 13-0326 LF 12" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	134.88	70.67
<i>For 3" WG (Class B), Add</i>	17.67	
<i>For 4" Or 6" WG (Class A), Add</i>	37.69	
<i>For 10" WG (Class A), Add</i>	54.18	
<i>For Work In Restricted Working Space, Add</i>	35.34	
23 31 13 13-0327 LF 12" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.02	73.89
<i>For 3" WG (Class B), Add</i>	18.47	
<i>For 4" Or 6" WG (Class A), Add</i>	39.41	
<i>For 10" WG (Class A), Add</i>	56.65	
<i>For Work In Restricted Working Space, Add</i>	36.95	
23 31 13 13-0328 LF 12" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	147.15	77.10
<i>For 3" WG (Class B), Add</i>	19.28	
<i>For 4" Or 6" WG (Class A), Add</i>	41.12	
<i>For 10" WG (Class A), Add</i>	59.11	
<i>For Work In Restricted Working Space, Add</i>	38.55	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0329	LF	14" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	85.84	44.98
			<i>For 3" WG (Class B), Add</i>	11.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.99	
			<i>For 10" WG (Class A), Add</i>	34.48	
			<i>For Work In Restricted Working Space, Add</i>	22.49	
23 31 13	13-0330	LF	14" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	91.96	48.19
			<i>For 3" WG (Class B), Add</i>	12.05	
			<i>For 4" Or 6" WG (Class A), Add</i>	25.70	
			<i>For 10" WG (Class A), Add</i>	36.94	
			<i>For Work In Restricted Working Space, Add</i>	24.09	
23 31 13	13-0331	LF	14" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	98.10	51.40
			<i>For 3" WG (Class B), Add</i>	12.85	
			<i>For 4" Or 6" WG (Class A), Add</i>	27.41	
			<i>For 10" WG (Class A), Add</i>	39.41	
			<i>For Work In Restricted Working Space, Add</i>	25.70	
23 31 13	13-0332	LF	14" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	104.23	54.61
			<i>For 3" WG (Class B), Add</i>	13.65	
			<i>For 4" Or 6" WG (Class A), Add</i>	29.13	
			<i>For 10" WG (Class A), Add</i>	41.87	
			<i>For Work In Restricted Working Space, Add</i>	27.31	
23 31 13	13-0333	LF	14" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	110.36	57.82
			<i>For 3" WG (Class B), Add</i>	14.46	
			<i>For 4" Or 6" WG (Class A), Add</i>	30.84	
			<i>For 10" WG (Class A), Add</i>	44.33	
			<i>For Work In Restricted Working Space, Add</i>	28.91	
23 31 13	13-0334	LF	14" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	116.49	61.04
			<i>For 3" WG (Class B), Add</i>	15.26	
			<i>For 4" Or 6" WG (Class A), Add</i>	32.55	
			<i>For 10" WG (Class A), Add</i>	46.80	
			<i>For Work In Restricted Working Space, Add</i>	30.52	
23 31 13	13-0335	LF	14" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.62	64.26
			<i>For 3" WG (Class B), Add</i>	16.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	34.27	
			<i>For 10" WG (Class A), Add</i>	49.26	
			<i>For Work In Restricted Working Space, Add</i>	32.12	
23 31 13	13-0336	LF	14" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	128.75	67.47
			<i>For 3" WG (Class B), Add</i>	16.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	35.98	
			<i>For 10" WG (Class A), Add</i>	51.72	
			<i>For Work In Restricted Working Space, Add</i>	33.73	
23 31 13	13-0337	LF	14" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	134.88	70.67
			<i>For 3" WG (Class B), Add</i>	17.67	
			<i>For 4" Or 6" WG (Class A), Add</i>	37.69	
			<i>For 10" WG (Class A), Add</i>	54.18	
			<i>For Work In Restricted Working Space, Add</i>	35.34	
23 31 13	13-0338	LF	14" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.02	73.89
			<i>For 3" WG (Class B), Add</i>	18.47	
			<i>For 4" Or 6" WG (Class A), Add</i>	39.41	
			<i>For 10" WG (Class A), Add</i>	56.65	
			<i>For Work In Restricted Working Space, Add</i>	36.95	
23 31 13	13-0339	LF	14" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	147.15	77.10
			<i>For 3" WG (Class B), Add</i>	19.28	
			<i>For 4" Or 6" WG (Class A), Add</i>	41.12	
			<i>For 10" WG (Class A), Add</i>	59.11	
			<i>For Work In Restricted Working Space, Add</i>	38.55	
23 31 13	13-0340	LF	14" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	153.28	80.31
			<i>For 3" WG (Class B), Add</i>	20.08	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.84	
			<i>For 10" WG (Class A), Add</i>	61.58	
			<i>For Work In Restricted Working Space, Add</i>	40.16	
23 31 13	13-0341	LF	16" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	98.10	51.40
			<i>For 3" WG (Class B), Add</i>	12.85	
			<i>For 4" Or 6" WG (Class A), Add</i>	27.41	
			<i>For 10" WG (Class A), Add</i>	39.41	
			<i>For Work In Restricted Working Space, Add</i>	25.70	
23 31 13	13-0342	LF	16" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	104.23	54.61
			<i>For 3" WG (Class B), Add</i>	13.65	
			<i>For 4" Or 6" WG (Class A), Add</i>	29.13	
			<i>For 10" WG (Class A), Add</i>	41.87	
			<i>For Work In Restricted Working Space, Add</i>	27.31	
23 31 13	13-0343	LF	16" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	110.36	57.82
			<i>For 3" WG (Class B), Add</i>	14.46	
			<i>For 4" Or 6" WG (Class A), Add</i>	30.84	
			<i>For 10" WG (Class A), Add</i>	44.33	
			<i>For Work In Restricted Working Space, Add</i>	28.91	
23 31 13	13-0344	LF	16" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	116.49	61.04
			<i>For 3" WG (Class B), Add</i>	15.26	
			<i>For 4" Or 6" WG (Class A), Add</i>	32.55	
			<i>For 10" WG (Class A), Add</i>	46.80	
			<i>For Work In Restricted Working Space, Add</i>	30.52	
23 31 13	13-0345	LF	16" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.62	64.26
			<i>For 3" WG (Class B), Add</i>	16.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	34.27	
			<i>For 10" WG (Class A), Add</i>	49.26	
			<i>For Work In Restricted Working Space, Add</i>	32.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0346 LF 16" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	128.75	67.47
<i>For 3" WG (Class B), Add</i>	16.87	
<i>For 4" Or 6" WG (Class A), Add</i>	35.98	
<i>For 10" WG (Class A), Add</i>	51.72	
<i>For Work In Restricted Working Space, Add</i>	33.73	
23 31 13 13-0347 LF 16" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	134.88	70.67
<i>For 3" WG (Class B), Add</i>	17.67	
<i>For 4" Or 6" WG (Class A), Add</i>	37.69	
<i>For 10" WG (Class A), Add</i>	54.18	
<i>For Work In Restricted Working Space, Add</i>	35.34	
23 31 13 13-0348 LF 16" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.02	73.89
<i>For 3" WG (Class B), Add</i>	18.47	
<i>For 4" Or 6" WG (Class A), Add</i>	39.41	
<i>For 10" WG (Class A), Add</i>	56.65	
<i>For Work In Restricted Working Space, Add</i>	36.95	
23 31 13 13-0349 LF 16" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	147.15	77.10
<i>For 3" WG (Class B), Add</i>	19.28	
<i>For 4" Or 6" WG (Class A), Add</i>	41.12	
<i>For 10" WG (Class A), Add</i>	59.11	
<i>For Work In Restricted Working Space, Add</i>	38.55	
23 31 13 13-0350 LF 16" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	153.28	80.31
<i>For 3" WG (Class B), Add</i>	20.08	
<i>For 4" Or 6" WG (Class A), Add</i>	42.84	
<i>For 10" WG (Class A), Add</i>	61.58	
<i>For Work In Restricted Working Space, Add</i>	40.16	
23 31 13 13-0351 LF 16" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.41	83.53
<i>For 3" WG (Class B), Add</i>	20.88	
<i>For 4" Or 6" WG (Class A), Add</i>	44.55	
<i>For 10" WG (Class A), Add</i>	64.04	
<i>For Work In Restricted Working Space, Add</i>	41.76	
23 31 13 13-0352 LF 16" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	165.55	86.75
<i>For 3" WG (Class B), Add</i>	21.69	
<i>For 4" Or 6" WG (Class A), Add</i>	46.26	
<i>For 10" WG (Class A), Add</i>	66.50	
<i>For Work In Restricted Working Space, Add</i>	43.37	
23 31 13 13-0353 LF 16" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	171.66	89.94
<i>For 3" WG (Class B), Add</i>	22.49	
<i>For 4" Or 6" WG (Class A), Add</i>	47.97	
<i>For 10" WG (Class A), Add</i>	68.96	
<i>For Work In Restricted Working Space, Add</i>	44.97	
23 31 13 13-0354 LF 16" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	177.80	93.16
<i>For 3" WG (Class B), Add</i>	23.29	
<i>For 4" Or 6" WG (Class A), Add</i>	49.69	
<i>For 10" WG (Class A), Add</i>	71.42	
<i>For Work In Restricted Working Space, Add</i>	46.58	
23 31 13 13-0355 LF 16" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	183.94	96.38
<i>For 3" WG (Class B), Add</i>	24.09	
<i>For 4" Or 6" WG (Class A), Add</i>	51.40	
<i>For 10" WG (Class A), Add</i>	73.89	
<i>For Work In Restricted Working Space, Add</i>	48.19	
23 31 13 13-0356 LF 18" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	110.36	57.82
<i>For 3" WG (Class B), Add</i>	14.46	
<i>For 4" Or 6" WG (Class A), Add</i>	30.84	
<i>For 10" WG (Class A), Add</i>	44.33	
<i>For Work In Restricted Working Space, Add</i>	28.91	
23 31 13 13-0357 LF 18" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	116.49	61.04
<i>For 3" WG (Class B), Add</i>	15.26	
<i>For 4" Or 6" WG (Class A), Add</i>	32.55	
<i>For 10" WG (Class A), Add</i>	46.80	
<i>For Work In Restricted Working Space, Add</i>	30.52	
23 31 13 13-0358 LF 18" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.62	64.26
<i>For 3" WG (Class B), Add</i>	16.06	
<i>For 4" Or 6" WG (Class A), Add</i>	34.27	
<i>For 10" WG (Class A), Add</i>	49.26	
<i>For Work In Restricted Working Space, Add</i>	32.12	
23 31 13 13-0359 LF 18" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	128.75	67.47
<i>For 3" WG (Class B), Add</i>	16.87	
<i>For 4" Or 6" WG (Class A), Add</i>	35.98	
<i>For 10" WG (Class A), Add</i>	51.72	
<i>For Work In Restricted Working Space, Add</i>	33.73	
23 31 13 13-0360 LF 18" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	134.88	70.67
<i>For 3" WG (Class B), Add</i>	17.67	
<i>For 4" Or 6" WG (Class A), Add</i>	37.69	
<i>For 10" WG (Class A), Add</i>	54.18	
<i>For Work In Restricted Working Space, Add</i>	35.34	
23 31 13 13-0361 LF 18" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.02	73.89
<i>For 3" WG (Class B), Add</i>	18.47	
<i>For 4" Or 6" WG (Class A), Add</i>	39.41	
<i>For 10" WG (Class A), Add</i>	56.65	
<i>For Work In Restricted Working Space, Add</i>	36.95	
23 31 13 13-0362 LF 18" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	147.15	77.10
<i>For 3" WG (Class B), Add</i>	19.28	
<i>For 4" Or 6" WG (Class A), Add</i>	41.12	
<i>For 10" WG (Class A), Add</i>	59.11	
<i>For Work In Restricted Working Space, Add</i>	38.55	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0363	LF	18" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	153.28	80.31
			<i>For 3" WG (Class B), Add</i>	20.08	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.84	
			<i>For 10" WG (Class A), Add</i>	61.58	
			<i>For Work In Restricted Working Space, Add</i>	40.16	
23 31 13	13-0364	LF	18" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.41	83.53
			<i>For 3" WG (Class B), Add</i>	20.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	44.55	
			<i>For 10" WG (Class A), Add</i>	64.04	
			<i>For Work In Restricted Working Space, Add</i>	41.76	
23 31 13	13-0365	LF	18" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	165.55	86.75
			<i>For 3" WG (Class B), Add</i>	21.69	
			<i>For 4" Or 6" WG (Class A), Add</i>	46.26	
			<i>For 10" WG (Class A), Add</i>	66.50	
			<i>For Work In Restricted Working Space, Add</i>	43.37	
23 31 13	13-0366	LF	18" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	171.66	89.94
			<i>For 3" WG (Class B), Add</i>	22.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	47.97	
			<i>For 10" WG (Class A), Add</i>	68.96	
			<i>For Work In Restricted Working Space, Add</i>	44.97	
23 31 13	13-0367	LF	18" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	177.80	93.16
			<i>For 3" WG (Class B), Add</i>	23.29	
			<i>For 4" Or 6" WG (Class A), Add</i>	49.69	
			<i>For 10" WG (Class A), Add</i>	71.42	
			<i>For Work In Restricted Working Space, Add</i>	46.58	
23 31 13	13-0368	LF	18" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	183.94	96.38
			<i>For 3" WG (Class B), Add</i>	24.09	
			<i>For 4" Or 6" WG (Class A), Add</i>	51.40	
			<i>For 10" WG (Class A), Add</i>	73.89	
			<i>For Work In Restricted Working Space, Add</i>	48.19	
23 31 13	13-0369	LF	18" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	190.06	99.59
			<i>For 3" WG (Class B), Add</i>	24.90	
			<i>For 4" Or 6" WG (Class A), Add</i>	53.11	
			<i>For 10" WG (Class A), Add</i>	76.35	
			<i>For Work In Restricted Working Space, Add</i>	49.79	
23 31 13	13-0370	LF	18" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	196.20	102.80
			<i>For 3" WG (Class B), Add</i>	25.70	
			<i>For 4" Or 6" WG (Class A), Add</i>	54.83	
			<i>For 10" WG (Class A), Add</i>	78.82	
			<i>For Work In Restricted Working Space, Add</i>	51.40	
23 31 13	13-0371	LF	20" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.62	64.26
			<i>For 3" WG (Class B), Add</i>	16.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	34.27	
			<i>For 10" WG (Class A), Add</i>	49.26	
			<i>For Work In Restricted Working Space, Add</i>	32.12	
23 31 13	13-0372	LF	20" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	128.75	67.47
			<i>For 3" WG (Class B), Add</i>	16.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	35.98	
			<i>For 10" WG (Class A), Add</i>	51.72	
			<i>For Work In Restricted Working Space, Add</i>	33.73	
23 31 13	13-0373	LF	20" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	134.88	70.67
			<i>For 3" WG (Class B), Add</i>	17.67	
			<i>For 4" Or 6" WG (Class A), Add</i>	37.69	
			<i>For 10" WG (Class A), Add</i>	54.18	
			<i>For Work In Restricted Working Space, Add</i>	35.34	
23 31 13	13-0374	LF	20" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.02	73.89
			<i>For 3" WG (Class B), Add</i>	18.47	
			<i>For 4" Or 6" WG (Class A), Add</i>	39.41	
			<i>For 10" WG (Class A), Add</i>	56.65	
			<i>For Work In Restricted Working Space, Add</i>	36.95	
23 31 13	13-0375	LF	20" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	147.15	77.10
			<i>For 3" WG (Class B), Add</i>	19.28	
			<i>For 4" Or 6" WG (Class A), Add</i>	41.12	
			<i>For 10" WG (Class A), Add</i>	59.11	
			<i>For Work In Restricted Working Space, Add</i>	38.55	
23 31 13	13-0376	LF	20" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	153.28	80.31
			<i>For 3" WG (Class B), Add</i>	20.08	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.84	
			<i>For 10" WG (Class A), Add</i>	61.58	
			<i>For Work In Restricted Working Space, Add</i>	40.16	
23 31 13	13-0377	LF	20" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.41	83.53
			<i>For 3" WG (Class B), Add</i>	20.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	44.55	
			<i>For 10" WG (Class A), Add</i>	64.04	
			<i>For Work In Restricted Working Space, Add</i>	41.76	
23 31 13	13-0378	LF	20" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	165.55	86.75
			<i>For 3" WG (Class B), Add</i>	21.69	
			<i>For 4" Or 6" WG (Class A), Add</i>	46.26	
			<i>For 10" WG (Class A), Add</i>	66.50	
			<i>For Work In Restricted Working Space, Add</i>	43.37	
23 31 13	13-0379	LF	20" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	171.66	89.94
			<i>For 3" WG (Class B), Add</i>	22.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	47.97	
			<i>For 10" WG (Class A), Add</i>	68.96	
			<i>For Work In Restricted Working Space, Add</i>	44.97	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0380 LF 20" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	177.80	93.16
<i>For 3" WG (Class B), Add</i>	23.29	
<i>For 4" Or 6" WG (Class A), Add</i>	49.69	
<i>For 10" WG (Class A), Add</i>	71.42	
<i>For Work In Restricted Working Space, Add</i>	46.58	
23 31 13 13-0381 LF 20" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	183.94	96.38
<i>For 3" WG (Class B), Add</i>	24.09	
<i>For 4" Or 6" WG (Class A), Add</i>	51.40	
<i>For 10" WG (Class A), Add</i>	73.89	
<i>For Work In Restricted Working Space, Add</i>	48.19	
23 31 13 13-0382 LF 20" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	190.06	99.59
<i>For 3" WG (Class B), Add</i>	24.90	
<i>For 4" Or 6" WG (Class A), Add</i>	53.11	
<i>For 10" WG (Class A), Add</i>	76.35	
<i>For Work In Restricted Working Space, Add</i>	49.79	
23 31 13 13-0383 LF 20" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	196.20	102.80
<i>For 3" WG (Class B), Add</i>	25.70	
<i>For 4" Or 6" WG (Class A), Add</i>	54.83	
<i>For 10" WG (Class A), Add</i>	78.82	
<i>For Work In Restricted Working Space, Add</i>	51.40	
23 31 13 13-0384 LF 20" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	202.33	106.02
<i>For 3" WG (Class B), Add</i>	26.50	
<i>For 4" Or 6" WG (Class A), Add</i>	56.54	
<i>For 10" WG (Class A), Add</i>	81.28	
<i>For Work In Restricted Working Space, Add</i>	53.01	
23 31 13 13-0385 LF 20" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	208.46	109.23
<i>For 3" WG (Class B), Add</i>	27.31	
<i>For 4" Or 6" WG (Class A), Add</i>	58.26	
<i>For 10" WG (Class A), Add</i>	83.74	
<i>For Work In Restricted Working Space, Add</i>	54.62	
23 31 13 13-0386 LF 22" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	134.88	70.67
<i>For 3" WG (Class B), Add</i>	17.67	
<i>For 4" Or 6" WG (Class A), Add</i>	37.69	
<i>For 10" WG (Class A), Add</i>	54.18	
<i>For Work In Restricted Working Space, Add</i>	35.34	
23 31 13 13-0387 LF 22" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.02	73.89
<i>For 3" WG (Class B), Add</i>	18.47	
<i>For 4" Or 6" WG (Class A), Add</i>	39.41	
<i>For 10" WG (Class A), Add</i>	56.65	
<i>For Work In Restricted Working Space, Add</i>	36.95	
23 31 13 13-0388 LF 22" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	147.15	77.10
<i>For 3" WG (Class B), Add</i>	19.28	
<i>For 4" Or 6" WG (Class A), Add</i>	41.12	
<i>For 10" WG (Class A), Add</i>	59.11	
<i>For Work In Restricted Working Space, Add</i>	38.55	
23 31 13 13-0389 LF 22" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	153.28	80.31
<i>For 3" WG (Class B), Add</i>	20.08	
<i>For 4" Or 6" WG (Class A), Add</i>	42.84	
<i>For 10" WG (Class A), Add</i>	61.58	
<i>For Work In Restricted Working Space, Add</i>	40.16	
23 31 13 13-0390 LF 22" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.41	83.53
<i>For 3" WG (Class B), Add</i>	20.88	
<i>For 4" Or 6" WG (Class A), Add</i>	44.55	
<i>For 10" WG (Class A), Add</i>	64.04	
<i>For Work In Restricted Working Space, Add</i>	41.76	
23 31 13 13-0391 LF 22" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	165.55	86.75
<i>For 3" WG (Class B), Add</i>	21.69	
<i>For 4" Or 6" WG (Class A), Add</i>	46.26	
<i>For 10" WG (Class A), Add</i>	66.50	
<i>For Work In Restricted Working Space, Add</i>	43.37	
23 31 13 13-0392 LF 22" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	171.66	89.94
<i>For 3" WG (Class B), Add</i>	22.49	
<i>For 4" Or 6" WG (Class A), Add</i>	47.97	
<i>For 10" WG (Class A), Add</i>	68.96	
<i>For Work In Restricted Working Space, Add</i>	44.97	
23 31 13 13-0393 LF 22" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	177.80	93.16
<i>For 3" WG (Class B), Add</i>	23.29	
<i>For 4" Or 6" WG (Class A), Add</i>	49.69	
<i>For 10" WG (Class A), Add</i>	71.42	
<i>For Work In Restricted Working Space, Add</i>	46.58	
23 31 13 13-0394 LF 22" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	183.94	96.38
<i>For 3" WG (Class B), Add</i>	24.09	
<i>For 4" Or 6" WG (Class A), Add</i>	51.40	
<i>For 10" WG (Class A), Add</i>	73.89	
<i>For Work In Restricted Working Space, Add</i>	48.19	
23 31 13 13-0395 LF 22" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	190.06	99.59
<i>For 3" WG (Class B), Add</i>	24.90	
<i>For 4" Or 6" WG (Class A), Add</i>	53.11	
<i>For 10" WG (Class A), Add</i>	76.35	
<i>For Work In Restricted Working Space, Add</i>	49.79	
23 31 13 13-0396 LF 22" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	196.20	102.80
<i>For 3" WG (Class B), Add</i>	25.70	
<i>For 4" Or 6" WG (Class A), Add</i>	54.83	
<i>For 10" WG (Class A), Add</i>	78.82	
<i>For Work In Restricted Working Space, Add</i>	51.40	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0397	LF	22" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	202.33	106.02
			<i>For 3" WG (Class B), Add</i>	26.50	
			<i>For 4" Or 6" WG (Class A), Add</i>	56.54	
			<i>For 10" WG (Class A), Add</i>	81.28	
			<i>For Work In Restricted Working Space, Add</i>	53.01	
23 31 13	13-0398	LF	22" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	208.46	109.23
			<i>For 3" WG (Class B), Add</i>	27.31	
			<i>For 4" Or 6" WG (Class A), Add</i>	58.26	
			<i>For 10" WG (Class A), Add</i>	83.74	
			<i>For Work In Restricted Working Space, Add</i>	54.62	
23 31 13	13-0399	LF	22" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	214.58	112.44
			<i>For 3" WG (Class B), Add</i>	28.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	59.96	
			<i>For 10" WG (Class A), Add</i>	86.20	
			<i>For Work In Restricted Working Space, Add</i>	56.22	
23 31 13	13-0400	LF	24" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	147.15	77.10
			<i>For 3" WG (Class B), Add</i>	19.28	
			<i>For 4" Or 6" WG (Class A), Add</i>	41.12	
			<i>For 10" WG (Class A), Add</i>	59.11	
			<i>For Work In Restricted Working Space, Add</i>	38.55	
23 31 13	13-0401	LF	24" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	153.28	80.31
			<i>For 3" WG (Class B), Add</i>	20.08	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.84	
			<i>For 10" WG (Class A), Add</i>	61.58	
			<i>For Work In Restricted Working Space, Add</i>	40.16	
23 31 13	13-0402	LF	24" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.41	83.53
			<i>For 3" WG (Class B), Add</i>	20.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	44.55	
			<i>For 10" WG (Class A), Add</i>	64.04	
			<i>For Work In Restricted Working Space, Add</i>	41.76	
23 31 13	13-0403	LF	24" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	165.55	86.75
			<i>For 3" WG (Class B), Add</i>	21.69	
			<i>For 4" Or 6" WG (Class A), Add</i>	46.26	
			<i>For 10" WG (Class A), Add</i>	66.50	
			<i>For Work In Restricted Working Space, Add</i>	43.37	
23 31 13	13-0404	LF	24" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	171.66	89.94
			<i>For 3" WG (Class B), Add</i>	22.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	47.97	
			<i>For 10" WG (Class A), Add</i>	68.96	
			<i>For Work In Restricted Working Space, Add</i>	44.97	
23 31 13	13-0405	LF	24" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	177.80	93.16
			<i>For 3" WG (Class B), Add</i>	23.29	
			<i>For 4" Or 6" WG (Class A), Add</i>	49.69	
			<i>For 10" WG (Class A), Add</i>	71.42	
			<i>For Work In Restricted Working Space, Add</i>	46.58	
23 31 13	13-0406	LF	24" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	183.94	96.38
			<i>For 3" WG (Class B), Add</i>	24.09	
			<i>For 4" Or 6" WG (Class A), Add</i>	51.40	
			<i>For 10" WG (Class A), Add</i>	73.89	
			<i>For Work In Restricted Working Space, Add</i>	48.19	
23 31 13	13-0407	LF	24" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	190.06	99.59
			<i>For 3" WG (Class B), Add</i>	24.90	
			<i>For 4" Or 6" WG (Class A), Add</i>	53.11	
			<i>For 10" WG (Class A), Add</i>	76.35	
			<i>For Work In Restricted Working Space, Add</i>	49.79	
23 31 13	13-0408	LF	24" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	196.20	102.80
			<i>For 3" WG (Class B), Add</i>	25.70	
			<i>For 4" Or 6" WG (Class A), Add</i>	54.83	
			<i>For 10" WG (Class A), Add</i>	78.82	
			<i>For Work In Restricted Working Space, Add</i>	51.40	
23 31 13	13-0409	LF	24" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	202.33	106.02
			<i>For 3" WG (Class B), Add</i>	26.50	
			<i>For 4" Or 6" WG (Class A), Add</i>	56.54	
			<i>For 10" WG (Class A), Add</i>	81.28	
			<i>For Work In Restricted Working Space, Add</i>	53.01	
23 31 13	13-0410	LF	24" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	208.46	109.23
			<i>For 3" WG (Class B), Add</i>	27.31	
			<i>For 4" Or 6" WG (Class A), Add</i>	58.26	
			<i>For 10" WG (Class A), Add</i>	83.74	
			<i>For Work In Restricted Working Space, Add</i>	54.62	
23 31 13	13-0411	LF	24" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	214.58	112.44
			<i>For 3" WG (Class B), Add</i>	28.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	59.96	
			<i>For 10" WG (Class A), Add</i>	86.20	
			<i>For Work In Restricted Working Space, Add</i>	56.22	
23 31 13	13-0412	LF	24" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	220.72	115.65
			<i>For 3" WG (Class B), Add</i>	28.91	
			<i>For 4" Or 6" WG (Class A), Add</i>	61.68	
			<i>For 10" WG (Class A), Add</i>	88.67	
			<i>For Work In Restricted Working Space, Add</i>	57.83	
23 31 13	13-0413	LF	26" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.41	83.53
			<i>For 3" WG (Class B), Add</i>	20.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	44.55	
			<i>For 10" WG (Class A), Add</i>	64.04	
			<i>For Work In Restricted Working Space, Add</i>	41.76	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0414	LF	26" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	165.55 21.69 46.26 66.50 43.37	86.75
23 31	13 13-0415	LF	26" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	171.66 22.49 47.97 68.96 44.97	89.94
23 31	13 13-0416	LF	26" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	177.80 23.29 49.69 71.42 46.58	93.16
23 31	13 13-0417	LF	26" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	183.94 24.09 51.40 73.89 48.19	96.38
23 31	13 13-0418	LF	26" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	190.06 24.90 53.11 76.35 49.79	99.59
23 31	13 13-0419	LF	26" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	196.20 25.70 54.83 78.82 51.40	102.80
23 31	13 13-0420	LF	26" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	202.33 26.50 56.54 81.28 53.01	106.02
23 31	13 13-0421	LF	26" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	208.46 27.31 58.26 83.74 54.62	109.23
23 31	13 13-0422	LF	26" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	214.58 28.11 59.96 86.20 56.22	112.44
23 31	13 13-0423	LF	26" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	220.72 28.91 61.68 88.67 57.83	115.65
23 31	13 13-0424	LF	26" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	226.85 29.72 63.40 91.13 59.43	118.87
23 31	13 13-0425	LF	28" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	171.66 22.49 47.97 68.96 44.97	89.94
23 31	13 13-0426	LF	28" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	177.80 23.29 49.69 71.42 46.58	93.16
23 31	13 13-0427	LF	28" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	183.94 24.09 51.40 73.89 48.19	96.38
23 31	13 13-0428	LF	28" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	190.06 24.90 53.11 76.35 49.79	99.59
23 31	13 13-0429	LF	28" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	196.20 25.70 54.83 78.82 51.40	102.80
23 31	13 13-0430	LF	28" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	202.33 26.50 56.54 81.28 53.01	106.02

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0431	LF	28" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	208.46	109.23	
		<i>For 3" WG (Class B), Add</i>	27.31		
		<i>For 4" Or 6" WG (Class A), Add</i>	58.26		
		<i>For 10" WG (Class A), Add</i>	83.74		
		<i>For Work In Restricted Working Space, Add</i>	54.62		
23 31 13 13-0432	LF	28" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	214.58	112.44	
		<i>For 3" WG (Class B), Add</i>	28.11		
		<i>For 4" Or 6" WG (Class A), Add</i>	59.96		
		<i>For 10" WG (Class A), Add</i>	86.20		
		<i>For Work In Restricted Working Space, Add</i>	56.22		
23 31 13 13-0433	LF	28" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	220.72	115.65	
		<i>For 3" WG (Class B), Add</i>	28.91		
		<i>For 4" Or 6" WG (Class A), Add</i>	61.68		
		<i>For 10" WG (Class A), Add</i>	88.67		
		<i>For Work In Restricted Working Space, Add</i>	57.83		
23 31 13 13-0434	LF	28" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	226.85	118.87	
		<i>For 3" WG (Class B), Add</i>	29.72		
		<i>For 4" Or 6" WG (Class A), Add</i>	63.40		
		<i>For 10" WG (Class A), Add</i>	91.13		
		<i>For Work In Restricted Working Space, Add</i>	59.43		
23 31 13 13-0435	LF	28" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	232.99	122.08	
		<i>For 3" WG (Class B), Add</i>	30.52		
		<i>For 4" Or 6" WG (Class A), Add</i>	65.11		
		<i>For 10" WG (Class A), Add</i>	93.60		
		<i>For Work In Restricted Working Space, Add</i>	61.04		
23 31 13 13-0436	LF	30" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	183.94	96.38	
		<i>For 3" WG (Class B), Add</i>	24.09		
		<i>For 4" Or 6" WG (Class A), Add</i>	51.40		
		<i>For 10" WG (Class A), Add</i>	73.89		
		<i>For Work In Restricted Working Space, Add</i>	48.19		
23 31 13 13-0437	LF	30" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	190.06	99.59	
		<i>For 3" WG (Class B), Add</i>	24.90		
		<i>For 4" Or 6" WG (Class A), Add</i>	53.11		
		<i>For 10" WG (Class A), Add</i>	76.35		
		<i>For Work In Restricted Working Space, Add</i>	49.79		
23 31 13 13-0438	LF	30" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	196.20	102.80	
		<i>For 3" WG (Class B), Add</i>	25.70		
		<i>For 4" Or 6" WG (Class A), Add</i>	54.83		
		<i>For 10" WG (Class A), Add</i>	78.82		
		<i>For Work In Restricted Working Space, Add</i>	51.40		
23 31 13 13-0439	LF	30" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	202.33	106.02	
		<i>For 3" WG (Class B), Add</i>	26.50		
		<i>For 4" Or 6" WG (Class A), Add</i>	56.54		
		<i>For 10" WG (Class A), Add</i>	81.28		
		<i>For Work In Restricted Working Space, Add</i>	53.01		
23 31 13 13-0440	LF	30" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	208.46	109.23	
		<i>For 3" WG (Class B), Add</i>	27.31		
		<i>For 4" Or 6" WG (Class A), Add</i>	58.26		
		<i>For 10" WG (Class A), Add</i>	83.74		
		<i>For Work In Restricted Working Space, Add</i>	54.62		
23 31 13 13-0441	LF	30" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	214.58	112.44	
		<i>For 3" WG (Class B), Add</i>	28.11		
		<i>For 4" Or 6" WG (Class A), Add</i>	59.96		
		<i>For 10" WG (Class A), Add</i>	86.20		
		<i>For Work In Restricted Working Space, Add</i>	56.22		
23 31 13 13-0442	LF	30" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	220.72	115.65	
		<i>For 3" WG (Class B), Add</i>	28.91		
		<i>For 4" Or 6" WG (Class A), Add</i>	61.68		
		<i>For 10" WG (Class A), Add</i>	88.67		
		<i>For Work In Restricted Working Space, Add</i>	57.83		
23 31 13 13-0443	LF	30" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	226.85	118.87	
		<i>For 3" WG (Class B), Add</i>	29.72		
		<i>For 4" Or 6" WG (Class A), Add</i>	63.40		
		<i>For 10" WG (Class A), Add</i>	91.13		
		<i>For Work In Restricted Working Space, Add</i>	59.43		
23 31 13 13-0444	LF	30" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	232.99	122.08	
		<i>For 3" WG (Class B), Add</i>	30.52		
		<i>For 4" Or 6" WG (Class A), Add</i>	65.11		
		<i>For 10" WG (Class A), Add</i>	93.60		
		<i>For Work In Restricted Working Space, Add</i>	61.04		
23 31 13 13-0445	LF	30" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	239.11	125.29	
		<i>For 3" WG (Class B), Add</i>	31.32		
		<i>For 4" Or 6" WG (Class A), Add</i>	66.82		
		<i>For 10" WG (Class A), Add</i>	96.05		
		<i>For Work In Restricted Working Space, Add</i>	62.64		
23 31 13 13-0446	LF	32" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	196.20	102.80	
		<i>For 3" WG (Class B), Add</i>	25.70		
		<i>For 4" Or 6" WG (Class A), Add</i>	54.83		
		<i>For 10" WG (Class A), Add</i>	78.82		
		<i>For Work In Restricted Working Space, Add</i>	51.40		
23 31 13 13-0447	LF	32" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	202.33	106.02	
		<i>For 3" WG (Class B), Add</i>	26.50		
		<i>For 4" Or 6" WG (Class A), Add</i>	56.54		
		<i>For 10" WG (Class A), Add</i>	81.28		
		<i>For Work In Restricted Working Space, Add</i>	53.01		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0448 LF 32" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	208.46	109.23
<i>For 3" WG (Class B), Add</i>	27.31	
<i>For 4" Or 6" WG (Class A), Add</i>	58.26	
<i>For 10" WG (Class A), Add</i>	83.74	
<i>For Work In Restricted Working Space, Add</i>	54.62	
23 31 13 13-0449 LF 32" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	214.58	112.44
<i>For 3" WG (Class B), Add</i>	28.11	
<i>For 4" Or 6" WG (Class A), Add</i>	59.96	
<i>For 10" WG (Class A), Add</i>	86.20	
<i>For Work In Restricted Working Space, Add</i>	56.22	
23 31 13 13-0450 LF 32" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	220.72	115.65
<i>For 3" WG (Class B), Add</i>	28.91	
<i>For 4" Or 6" WG (Class A), Add</i>	61.68	
<i>For 10" WG (Class A), Add</i>	88.67	
<i>For Work In Restricted Working Space, Add</i>	57.83	
23 31 13 13-0451 LF 32" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	226.85	118.87
<i>For 3" WG (Class B), Add</i>	29.72	
<i>For 4" Or 6" WG (Class A), Add</i>	63.40	
<i>For 10" WG (Class A), Add</i>	91.13	
<i>For Work In Restricted Working Space, Add</i>	59.43	
23 31 13 13-0452 LF 32" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	232.99	122.08
<i>For 3" WG (Class B), Add</i>	30.52	
<i>For 4" Or 6" WG (Class A), Add</i>	65.11	
<i>For 10" WG (Class A), Add</i>	93.60	
<i>For Work In Restricted Working Space, Add</i>	61.04	
23 31 13 13-0453 LF 32" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	239.11	125.29
<i>For 3" WG (Class B), Add</i>	31.32	
<i>For 4" Or 6" WG (Class A), Add</i>	66.82	
<i>For 10" WG (Class A), Add</i>	96.05	
<i>For Work In Restricted Working Space, Add</i>	62.64	
23 31 13 13-0454 LF 32" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.25	128.50
<i>For 3" WG (Class B), Add</i>	32.13	
<i>For 4" Or 6" WG (Class A), Add</i>	68.53	
<i>For 10" WG (Class A), Add</i>	98.52	
<i>For Work In Restricted Working Space, Add</i>	64.25	
23 31 13 13-0455 LF 34" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	208.46	109.23
<i>For 3" WG (Class B), Add</i>	27.31	
<i>For 4" Or 6" WG (Class A), Add</i>	58.26	
<i>For 10" WG (Class A), Add</i>	83.74	
<i>For Work In Restricted Working Space, Add</i>	54.62	
23 31 13 13-0456 LF 34" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	214.58	112.44
<i>For 3" WG (Class B), Add</i>	28.11	
<i>For 4" Or 6" WG (Class A), Add</i>	59.96	
<i>For 10" WG (Class A), Add</i>	86.20	
<i>For Work In Restricted Working Space, Add</i>	56.22	
23 31 13 13-0457 LF 34" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	220.72	115.65
<i>For 3" WG (Class B), Add</i>	28.91	
<i>For 4" Or 6" WG (Class A), Add</i>	61.68	
<i>For 10" WG (Class A), Add</i>	88.67	
<i>For Work In Restricted Working Space, Add</i>	57.83	
23 31 13 13-0458 LF 34" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	226.85	118.87
<i>For 3" WG (Class B), Add</i>	29.72	
<i>For 4" Or 6" WG (Class A), Add</i>	63.40	
<i>For 10" WG (Class A), Add</i>	91.13	
<i>For Work In Restricted Working Space, Add</i>	59.43	
23 31 13 13-0459 LF 34" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	232.99	122.08
<i>For 3" WG (Class B), Add</i>	30.52	
<i>For 4" Or 6" WG (Class A), Add</i>	65.11	
<i>For 10" WG (Class A), Add</i>	93.60	
<i>For Work In Restricted Working Space, Add</i>	61.04	
23 31 13 13-0460 LF 34" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	239.11	125.29
<i>For 3" WG (Class B), Add</i>	31.32	
<i>For 4" Or 6" WG (Class A), Add</i>	66.82	
<i>For 10" WG (Class A), Add</i>	96.05	
<i>For Work In Restricted Working Space, Add</i>	62.64	
23 31 13 13-0461 LF 34" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.25	128.50
<i>For 3" WG (Class B), Add</i>	32.13	
<i>For 4" Or 6" WG (Class A), Add</i>	68.53	
<i>For 10" WG (Class A), Add</i>	98.52	
<i>For Work In Restricted Working Space, Add</i>	64.25	
23 31 13 13-0462 LF 34" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	251.38	131.71
<i>For 3" WG (Class B), Add</i>	32.93	
<i>For 4" Or 6" WG (Class A), Add</i>	70.25	
<i>For 10" WG (Class A), Add</i>	100.98	
<i>For Work In Restricted Working Space, Add</i>	65.86	
23 31 13 13-0463 LF 36" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	220.72	115.65
<i>For 3" WG (Class B), Add</i>	28.91	
<i>For 4" Or 6" WG (Class A), Add</i>	61.68	
<i>For 10" WG (Class A), Add</i>	88.67	
<i>For Work In Restricted Working Space, Add</i>	57.83	
23 31 13 13-0464 LF 36" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	226.85	118.87
<i>For 3" WG (Class B), Add</i>	29.72	
<i>For 4" Or 6" WG (Class A), Add</i>	63.40	
<i>For 10" WG (Class A), Add</i>	91.13	
<i>For Work In Restricted Working Space, Add</i>	59.43	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0465	LF	36" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	232.99	122.08
		<i>For 3" WG (Class B), Add</i>	30.52	
		<i>For 4" Or 6" WG (Class A), Add</i>	65.11	
		<i>For 10" WG (Class A), Add</i>	93.60	
		<i>For Work In Restricted Working Space, Add</i>	61.04	
23 31 13 13-0466	LF	36" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	239.11	125.29
		<i>For 3" WG (Class B), Add</i>	31.32	
		<i>For 4" Or 6" WG (Class A), Add</i>	66.82	
		<i>For 10" WG (Class A), Add</i>	96.05	
		<i>For Work In Restricted Working Space, Add</i>	62.64	
23 31 13 13-0467	LF	36" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.25	128.50
		<i>For 3" WG (Class B), Add</i>	32.13	
		<i>For 4" Or 6" WG (Class A), Add</i>	68.53	
		<i>For 10" WG (Class A), Add</i>	98.52	
		<i>For Work In Restricted Working Space, Add</i>	64.25	
23 31 13 13-0468	LF	36" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	251.38	131.71
		<i>For 3" WG (Class B), Add</i>	32.93	
		<i>For 4" Or 6" WG (Class A), Add</i>	70.25	
		<i>For 10" WG (Class A), Add</i>	100.98	
		<i>For Work In Restricted Working Space, Add</i>	65.86	
23 31 13 13-0469	LF	36" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	257.50	134.93
		<i>For 3" WG (Class B), Add</i>	33.73	
		<i>For 4" Or 6" WG (Class A), Add</i>	71.96	
		<i>For 10" WG (Class A), Add</i>	103.44	
		<i>For Work In Restricted Working Space, Add</i>	67.46	
23 31 13 13-0470	LF	38" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	232.99	122.08
		<i>For 3" WG (Class B), Add</i>	30.52	
		<i>For 4" Or 6" WG (Class A), Add</i>	65.11	
		<i>For 10" WG (Class A), Add</i>	93.60	
		<i>For Work In Restricted Working Space, Add</i>	61.04	
23 31 13 13-0471	LF	38" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	239.11	125.29
		<i>For 3" WG (Class B), Add</i>	31.32	
		<i>For 4" Or 6" WG (Class A), Add</i>	66.82	
		<i>For 10" WG (Class A), Add</i>	96.05	
		<i>For Work In Restricted Working Space, Add</i>	62.64	
23 31 13 13-0472	LF	38" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.25	128.50
		<i>For 3" WG (Class B), Add</i>	32.13	
		<i>For 4" Or 6" WG (Class A), Add</i>	68.53	
		<i>For 10" WG (Class A), Add</i>	98.52	
		<i>For Work In Restricted Working Space, Add</i>	64.25	
23 31 13 13-0473	LF	38" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	251.38	131.71
		<i>For 3" WG (Class B), Add</i>	32.93	
		<i>For 4" Or 6" WG (Class A), Add</i>	70.25	
		<i>For 10" WG (Class A), Add</i>	100.98	
		<i>For Work In Restricted Working Space, Add</i>	65.86	
23 31 13 13-0474	LF	38" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	257.50	134.93
		<i>For 3" WG (Class B), Add</i>	33.73	
		<i>For 4" Or 6" WG (Class A), Add</i>	71.96	
		<i>For 10" WG (Class A), Add</i>	103.44	
		<i>For Work In Restricted Working Space, Add</i>	67.46	
23 31 13 13-0475	LF	38" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	263.65	138.14
		<i>For 3" WG (Class B), Add</i>	34.54	
		<i>For 4" Or 6" WG (Class A), Add</i>	73.68	
		<i>For 10" WG (Class A), Add</i>	105.91	
		<i>For Work In Restricted Working Space, Add</i>	69.07	
23 31 13 13-0476	LF	38" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	269.77	141.35
		<i>For 3" WG (Class B), Add</i>	35.34	
		<i>For 4" Or 6" WG (Class A), Add</i>	75.39	
		<i>For 10" WG (Class A), Add</i>	108.37	
		<i>For Work In Restricted Working Space, Add</i>	70.68	
23 31 13 13-0477	LF	40" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.25	128.50
		<i>For 3" WG (Class B), Add</i>	32.13	
		<i>For 4" Or 6" WG (Class A), Add</i>	68.53	
		<i>For 10" WG (Class A), Add</i>	98.52	
		<i>For Work In Restricted Working Space, Add</i>	64.25	
23 31 13 13-0478	LF	40" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	251.38	131.71
		<i>For 3" WG (Class B), Add</i>	32.93	
		<i>For 4" Or 6" WG (Class A), Add</i>	70.25	
		<i>For 10" WG (Class A), Add</i>	100.98	
		<i>For Work In Restricted Working Space, Add</i>	65.86	
23 31 13 13-0479	LF	40" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	257.50	134.93
		<i>For 3" WG (Class B), Add</i>	33.73	
		<i>For 4" Or 6" WG (Class A), Add</i>	71.96	
		<i>For 10" WG (Class A), Add</i>	103.44	
		<i>For Work In Restricted Working Space, Add</i>	67.46	
23 31 13 13-0480	LF	40" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	263.65	138.14
		<i>For 3" WG (Class B), Add</i>	34.54	
		<i>For 4" Or 6" WG (Class A), Add</i>	73.68	
		<i>For 10" WG (Class A), Add</i>	105.91	
		<i>For Work In Restricted Working Space, Add</i>	69.07	
23 31 13 13-0481	LF	40" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	269.77	141.35
		<i>For 3" WG (Class B), Add</i>	35.34	
		<i>For 4" Or 6" WG (Class A), Add</i>	75.39	
		<i>For 10" WG (Class A), Add</i>	108.37	
		<i>For Work In Restricted Working Space, Add</i>	70.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0482 LF 40" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	275.91	144.57
<i>For 3" WG (Class B), Add</i>	36.14	
<i>For 4" Or 6" WG (Class A), Add</i>	77.10	
<i>For 10" WG (Class A), Add</i>	110.84	
<i>For Work In Restricted Working Space, Add</i>	72.29	
23 31 13 13-0483 LF 40" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	282.03	147.78
<i>For 3" WG (Class B), Add</i>	36.94	
<i>For 4" Or 6" WG (Class A), Add</i>	78.81	
<i>For 10" WG (Class A), Add</i>	113.29	
<i>For Work In Restricted Working Space, Add</i>	73.89	
23 31 13 13-0484 LF 40" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	288.16	150.98
<i>For 3" WG (Class B), Add</i>	37.75	
<i>For 4" Or 6" WG (Class A), Add</i>	80.53	
<i>For 10" WG (Class A), Add</i>	115.76	
<i>For Work In Restricted Working Space, Add</i>	75.50	
23 31 13 13-0485 LF 42" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	257.50	134.93
<i>For 3" WG (Class B), Add</i>	33.73	
<i>For 4" Or 6" WG (Class A), Add</i>	71.96	
<i>For 10" WG (Class A), Add</i>	103.44	
<i>For Work In Restricted Working Space, Add</i>	67.46	
23 31 13 13-0486 LF 42" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	263.65	138.14
<i>For 3" WG (Class B), Add</i>	34.54	
<i>For 4" Or 6" WG (Class A), Add</i>	73.68	
<i>For 10" WG (Class A), Add</i>	105.91	
<i>For Work In Restricted Working Space, Add</i>	69.07	
23 31 13 13-0487 LF 42" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	269.77	141.35
<i>For 3" WG (Class B), Add</i>	35.34	
<i>For 4" Or 6" WG (Class A), Add</i>	75.39	
<i>For 10" WG (Class A), Add</i>	108.37	
<i>For Work In Restricted Working Space, Add</i>	70.68	
23 31 13 13-0488 LF 42" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	275.91	144.57
<i>For 3" WG (Class B), Add</i>	36.14	
<i>For 4" Or 6" WG (Class A), Add</i>	77.10	
<i>For 10" WG (Class A), Add</i>	110.84	
<i>For Work In Restricted Working Space, Add</i>	72.29	
23 31 13 13-0489 LF 42" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	282.03	147.78
<i>For 3" WG (Class B), Add</i>	36.94	
<i>For 4" Or 6" WG (Class A), Add</i>	78.81	
<i>For 10" WG (Class A), Add</i>	113.29	
<i>For Work In Restricted Working Space, Add</i>	73.89	
23 31 13 13-0490 LF 42" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	288.16	150.98
<i>For 3" WG (Class B), Add</i>	37.75	
<i>For 4" Or 6" WG (Class A), Add</i>	80.53	
<i>For 10" WG (Class A), Add</i>	115.76	
<i>For Work In Restricted Working Space, Add</i>	75.50	
23 31 13 13-0491 LF 42" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	294.29	154.20
<i>For 3" WG (Class B), Add</i>	38.55	
<i>For 4" Or 6" WG (Class A), Add</i>	82.24	
<i>For 10" WG (Class A), Add</i>	118.22	
<i>For Work In Restricted Working Space, Add</i>	77.10	
23 31 13 13-0492 LF 44" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	269.77	141.35
<i>For 3" WG (Class B), Add</i>	35.34	
<i>For 4" Or 6" WG (Class A), Add</i>	75.39	
<i>For 10" WG (Class A), Add</i>	108.37	
<i>For Work In Restricted Working Space, Add</i>	70.68	
23 31 13 13-0493 LF 44" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	275.91	144.57
<i>For 3" WG (Class B), Add</i>	36.14	
<i>For 4" Or 6" WG (Class A), Add</i>	77.10	
<i>For 10" WG (Class A), Add</i>	110.84	
<i>For Work In Restricted Working Space, Add</i>	72.29	
23 31 13 13-0494 LF 44" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	282.03	147.78
<i>For 3" WG (Class B), Add</i>	36.94	
<i>For 4" Or 6" WG (Class A), Add</i>	78.81	
<i>For 10" WG (Class A), Add</i>	113.29	
<i>For Work In Restricted Working Space, Add</i>	73.89	
23 31 13 13-0495 LF 44" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	288.16	150.98
<i>For 3" WG (Class B), Add</i>	37.75	
<i>For 4" Or 6" WG (Class A), Add</i>	80.53	
<i>For 10" WG (Class A), Add</i>	115.76	
<i>For Work In Restricted Working Space, Add</i>	75.50	
23 31 13 13-0496 LF 44" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	294.29	154.20
<i>For 3" WG (Class B), Add</i>	38.55	
<i>For 4" Or 6" WG (Class A), Add</i>	82.24	
<i>For 10" WG (Class A), Add</i>	118.22	
<i>For Work In Restricted Working Space, Add</i>	77.10	
23 31 13 13-0497 LF 44" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	300.42	157.42
<i>For 3" WG (Class B), Add</i>	39.35	
<i>For 4" Or 6" WG (Class A), Add</i>	83.95	
<i>For 10" WG (Class A), Add</i>	120.68	
<i>For Work In Restricted Working Space, Add</i>	78.71	
23 31 13 13-0498 LF 46" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	282.03	147.78
<i>For 3" WG (Class B), Add</i>	36.94	
<i>For 4" Or 6" WG (Class A), Add</i>	78.81	
<i>For 10" WG (Class A), Add</i>	113.29	
<i>For Work In Restricted Working Space, Add</i>	73.89	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0499	LF	46" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	288.16	150.98
			For 3" WG (Class B), Add	37.75	
			For 4" Or 6" WG (Class A), Add	80.53	
			For 10" WG (Class A), Add	115.76	
			For Work In Restricted Working Space, Add	75.50	
23 31 13	13-0500	LF	46" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	294.29	154.20
			For 3" WG (Class B), Add	38.55	
			For 4" Or 6" WG (Class A), Add	82.24	
			For 10" WG (Class A), Add	118.22	
			For Work In Restricted Working Space, Add	77.10	
23 31 13	13-0501	LF	46" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	300.42	157.42
			For 3" WG (Class B), Add	39.35	
			For 4" Or 6" WG (Class A), Add	83.95	
			For 10" WG (Class A), Add	120.68	
			For Work In Restricted Working Space, Add	78.71	
23 31 13	13-0502	LF	46" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	306.55	160.63
			For 3" WG (Class B), Add	40.16	
			For 4" Or 6" WG (Class A), Add	85.67	
			For 10" WG (Class A), Add	123.15	
			For Work In Restricted Working Space, Add	80.31	
23 31 13	13-0503	LF	48" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	294.29	154.20
			For 3" WG (Class B), Add	38.55	
			For 4" Or 6" WG (Class A), Add	82.24	
			For 10" WG (Class A), Add	118.22	
			For Work In Restricted Working Space, Add	77.10	
23 31 13	13-0504	LF	48" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	300.42	157.42
			For 3" WG (Class B), Add	39.35	
			For 4" Or 6" WG (Class A), Add	83.95	
			For 10" WG (Class A), Add	120.68	
			For Work In Restricted Working Space, Add	78.71	
23 31 13	13-0505	LF	48" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	306.55	160.63
			For 3" WG (Class B), Add	40.16	
			For 4" Or 6" WG (Class A), Add	85.67	
			For 10" WG (Class A), Add	123.15	
			For Work In Restricted Working Space, Add	80.31	
23 31 13	13-0506	LF	48" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	312.69	163.84
			For 3" WG (Class B), Add	40.96	
			For 4" Or 6" WG (Class A), Add	87.38	
			For 10" WG (Class A), Add	125.61	
			For Work In Restricted Working Space, Add	81.92	
23 31 13	13-0507	LF	50" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	306.55	160.63
			For 3" WG (Class B), Add	40.16	
			For 4" Or 6" WG (Class A), Add	85.67	
			For 10" WG (Class A), Add	123.15	
			For Work In Restricted Working Space, Add	80.31	
23 31 13	13-0508	LF	50" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	312.69	163.84
			For 3" WG (Class B), Add	40.96	
			For 4" Or 6" WG (Class A), Add	87.38	
			For 10" WG (Class A), Add	125.61	
			For Work In Restricted Working Space, Add	81.92	
23 31 13	13-0509	LF	50" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	318.83	167.05
			For 3" WG (Class B), Add	41.76	
			For 4" Or 6" WG (Class A), Add	89.10	
			For 10" WG (Class A), Add	128.08	
			For Work In Restricted Working Space, Add	83.53	
23 31 13	13-0510	LF	52" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	318.83	167.05
			For 3" WG (Class B), Add	41.76	
			For 4" Or 6" WG (Class A), Add	89.10	
			For 10" WG (Class A), Add	128.08	
			For Work In Restricted Working Space, Add	83.53	
23 31 13	13-0511	LF	52" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	324.95	170.27
			For 3" WG (Class B), Add	42.57	
			For 4" Or 6" WG (Class A), Add	90.81	
			For 10" WG (Class A), Add	130.53	
			For Work In Restricted Working Space, Add	85.13	
23 31 13	13-0512	LF	54" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	331.08	173.47
			For 3" WG (Class B), Add	43.37	
			For 4" Or 6" WG (Class A), Add	92.52	
			For 10" WG (Class A), Add	133.00	
			For Work In Restricted Working Space, Add	86.74	
<b>23 31 13</b>	<b>13-0513</b>		<b>20 Gauge Galvanized Steel Metal Ductwork</b> <small>(23 31 13 13-0014)</small>		
23 31 13	13-0514	LF	4" x 4", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.88	15.13
			For 3" WG (Class B), Add	3.78	
			For 4" Or 6" WG (Class A), Add	8.07	
			For 10" WG (Class A), Add	11.61	
			For Work In Restricted Working Space, Add	7.57	
23 31 13	13-0515	LF	4" x 6", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	36.11	18.92
			For 3" WG (Class B), Add	4.73	
			For 4" Or 6" WG (Class A), Add	10.09	
			For 10" WG (Class A), Add	14.51	
			For Work In Restricted Working Space, Add	9.46	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0516 LF 4" x 8", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.33	22.70
<i>For 3" WG (Class B), Add</i>	5.67	
<i>For 4" Or 6" WG (Class A), Add</i>	12.11	
<i>For 10" WG (Class A), Add</i>	17.40	
<i>For Work In Restricted Working Space, Add</i>	11.35	
23 31 13 13-0517 LF 4" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	50.54	26.48
<i>For 3" WG (Class B), Add</i>	6.62	
<i>For 4" Or 6" WG (Class A), Add</i>	14.12	
<i>For 10" WG (Class A), Add</i>	20.30	
<i>For Work In Restricted Working Space, Add</i>	13.24	
23 31 13 13-0518 LF 4" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.77	30.27
<i>For 3" WG (Class B), Add</i>	7.57	
<i>For 4" Or 6" WG (Class A), Add</i>	16.14	
<i>For 10" WG (Class A), Add</i>	23.21	
<i>For Work In Restricted Working Space, Add</i>	15.14	
23 31 13 13-0519 LF 4" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	64.99	34.05
<i>For 3" WG (Class B), Add</i>	8.51	
<i>For 4" Or 6" WG (Class A), Add</i>	18.16	
<i>For 10" WG (Class A), Add</i>	26.11	
<i>For Work In Restricted Working Space, Add</i>	17.03	
23 31 13 13-0520 LF 4" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	72.22	37.83
<i>For 3" WG (Class B), Add</i>	9.46	
<i>For 4" Or 6" WG (Class A), Add</i>	20.18	
<i>For 10" WG (Class A), Add</i>	29.01	
<i>For Work In Restricted Working Space, Add</i>	18.92	
23 31 13 13-0521 LF 6" x 6", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.33	22.70
<i>For 3" WG (Class B), Add</i>	5.67	
<i>For 4" Or 6" WG (Class A), Add</i>	12.11	
<i>For 10" WG (Class A), Add</i>	17.40	
<i>For Work In Restricted Working Space, Add</i>	11.35	
23 31 13 13-0522 LF 6" x 8", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	50.54	26.48
<i>For 3" WG (Class B), Add</i>	6.62	
<i>For 4" Or 6" WG (Class A), Add</i>	14.12	
<i>For 10" WG (Class A), Add</i>	20.30	
<i>For Work In Restricted Working Space, Add</i>	13.24	
23 31 13 13-0523 LF 6" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.77	30.27
<i>For 3" WG (Class B), Add</i>	7.57	
<i>For 4" Or 6" WG (Class A), Add</i>	16.14	
<i>For 10" WG (Class A), Add</i>	23.21	
<i>For Work In Restricted Working Space, Add</i>	15.14	
23 31 13 13-0524 LF 6" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	64.99	34.05
<i>For 3" WG (Class B), Add</i>	8.51	
<i>For 4" Or 6" WG (Class A), Add</i>	18.16	
<i>For 10" WG (Class A), Add</i>	26.11	
<i>For Work In Restricted Working Space, Add</i>	17.03	
23 31 13 13-0525 LF 6" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	72.22	37.83
<i>For 3" WG (Class B), Add</i>	9.46	
<i>For 4" Or 6" WG (Class A), Add</i>	20.18	
<i>For 10" WG (Class A), Add</i>	29.01	
<i>For Work In Restricted Working Space, Add</i>	18.92	
23 31 13 13-0526 LF 6" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.44	41.62
<i>For 3" WG (Class B), Add</i>	10.41	
<i>For 4" Or 6" WG (Class A), Add</i>	22.20	
<i>For 10" WG (Class A), Add</i>	31.91	
<i>For Work In Restricted Working Space, Add</i>	20.81	
23 31 13 13-0527 LF 8" x 8", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.77	30.27
<i>For 3" WG (Class B), Add</i>	7.57	
<i>For 4" Or 6" WG (Class A), Add</i>	16.14	
<i>For 10" WG (Class A), Add</i>	23.21	
<i>For Work In Restricted Working Space, Add</i>	15.14	
23 31 13 13-0528 LF 8" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	64.99	34.05
<i>For 3" WG (Class B), Add</i>	8.51	
<i>For 4" Or 6" WG (Class A), Add</i>	18.16	
<i>For 10" WG (Class A), Add</i>	26.11	
<i>For Work In Restricted Working Space, Add</i>	17.03	
23 31 13 13-0529 LF 8" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	72.22	37.83
<i>For 3" WG (Class B), Add</i>	9.46	
<i>For 4" Or 6" WG (Class A), Add</i>	20.18	
<i>For 10" WG (Class A), Add</i>	29.01	
<i>For Work In Restricted Working Space, Add</i>	18.92	
23 31 13 13-0530 LF 8" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.44	41.62
<i>For 3" WG (Class B), Add</i>	10.41	
<i>For 4" Or 6" WG (Class A), Add</i>	22.20	
<i>For 10" WG (Class A), Add</i>	31.91	
<i>For Work In Restricted Working Space, Add</i>	20.81	
23 31 13 13-0531 LF 8" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	86.65	45.41
<i>For 3" WG (Class B), Add</i>	11.35	
<i>For 4" Or 6" WG (Class A), Add</i>	24.22	
<i>For 10" WG (Class A), Add</i>	34.81	
<i>For Work In Restricted Working Space, Add</i>	22.70	
23 31 13 13-0532 LF 8" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	93.87	49.18
<i>For 3" WG (Class B), Add</i>	12.30	
<i>For 4" Or 6" WG (Class A), Add</i>	26.23	
<i>For 10" WG (Class A), Add</i>	37.71	
<i>For Work In Restricted Working Space, Add</i>	24.59	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0533	LF	8" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.11	52.98
			<i>For 3" WG (Class B), Add</i>	13.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	28.25	
			<i>For 10" WG (Class A), Add</i>	40.61	
			<i>For Work In Restricted Working Space, Add</i>	26.49	
23 31 13	13-0534	LF	8" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.31	56.75
			<i>For 3" WG (Class B), Add</i>	14.19	
			<i>For 4" Or 6" WG (Class A), Add</i>	30.27	
			<i>For 10" WG (Class A), Add</i>	43.51	
			<i>For Work In Restricted Working Space, Add</i>	28.38	
23 31 13	13-0535	LF	8" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	115.54	60.54
			<i>For 3" WG (Class B), Add</i>	15.14	
			<i>For 4" Or 6" WG (Class A), Add</i>	32.29	
			<i>For 10" WG (Class A), Add</i>	46.41	
			<i>For Work In Restricted Working Space, Add</i>	30.27	
23 31 13	13-0536	LF	10" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	72.22	37.83
			<i>For 3" WG (Class B), Add</i>	9.46	
			<i>For 4" Or 6" WG (Class A), Add</i>	20.18	
			<i>For 10" WG (Class A), Add</i>	29.01	
			<i>For Work In Restricted Working Space, Add</i>	18.92	
23 31 13	13-0537	LF	10" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.44	41.62
			<i>For 3" WG (Class B), Add</i>	10.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	22.20	
			<i>For 10" WG (Class A), Add</i>	31.91	
			<i>For Work In Restricted Working Space, Add</i>	20.81	
23 31 13	13-0538	LF	10" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	86.65	45.41
			<i>For 3" WG (Class B), Add</i>	11.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	24.22	
			<i>For 10" WG (Class A), Add</i>	34.81	
			<i>For Work In Restricted Working Space, Add</i>	22.70	
23 31 13	13-0539	LF	10" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	93.87	49.18
			<i>For 3" WG (Class B), Add</i>	12.30	
			<i>For 4" Or 6" WG (Class A), Add</i>	26.23	
			<i>For 10" WG (Class A), Add</i>	37.71	
			<i>For Work In Restricted Working Space, Add</i>	24.59	
23 31 13	13-0540	LF	10" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.11	52.98
			<i>For 3" WG (Class B), Add</i>	13.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	28.25	
			<i>For 10" WG (Class A), Add</i>	40.61	
			<i>For Work In Restricted Working Space, Add</i>	26.49	
23 31 13	13-0541	LF	10" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.31	56.75
			<i>For 3" WG (Class B), Add</i>	14.19	
			<i>For 4" Or 6" WG (Class A), Add</i>	30.27	
			<i>For 10" WG (Class A), Add</i>	43.51	
			<i>For Work In Restricted Working Space, Add</i>	28.38	
23 31 13	13-0542	LF	10" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	115.54	60.54
			<i>For 3" WG (Class B), Add</i>	15.14	
			<i>For 4" Or 6" WG (Class A), Add</i>	32.29	
			<i>For 10" WG (Class A), Add</i>	46.41	
			<i>For Work In Restricted Working Space, Add</i>	30.27	
23 31 13	13-0543	LF	10" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.77	64.32
			<i>For 3" WG (Class B), Add</i>	16.08	
			<i>For 4" Or 6" WG (Class A), Add</i>	34.31	
			<i>For 10" WG (Class A), Add</i>	49.32	
			<i>For Work In Restricted Working Space, Add</i>	32.16	
23 31 13	13-0544	LF	10" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	129.98	68.11
			<i>For 3" WG (Class B), Add</i>	17.03	
			<i>For 4" Or 6" WG (Class A), Add</i>	36.32	
			<i>For 10" WG (Class A), Add</i>	52.21	
			<i>For Work In Restricted Working Space, Add</i>	34.05	
23 31 13	13-0545	LF	10" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	137.21	71.88
			<i>For 3" WG (Class B), Add</i>	17.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	38.34	
			<i>For 10" WG (Class A), Add</i>	55.12	
			<i>For Work In Restricted Working Space, Add</i>	35.95	
23 31 13	13-0546	LF	10" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.41	75.68
			<i>For 3" WG (Class B), Add</i>	18.92	
			<i>For 4" Or 6" WG (Class A), Add</i>	40.36	
			<i>For 10" WG (Class A), Add</i>	58.02	
			<i>For Work In Restricted Working Space, Add</i>	37.84	
23 31 13	13-0547	LF	10" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	151.65	79.46
			<i>For 3" WG (Class B), Add</i>	19.86	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.38	
			<i>For 10" WG (Class A), Add</i>	60.92	
			<i>For Work In Restricted Working Space, Add</i>	39.73	
23 31 13	13-0548	LF	12" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	86.65	45.41
			<i>For 3" WG (Class B), Add</i>	11.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	24.22	
			<i>For 10" WG (Class A), Add</i>	34.81	
			<i>For Work In Restricted Working Space, Add</i>	22.70	
23 31 13	13-0549	LF	12" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	93.87	49.18
			<i>For 3" WG (Class B), Add</i>	12.30	
			<i>For 4" Or 6" WG (Class A), Add</i>	26.23	
			<i>For 10" WG (Class A), Add</i>	37.71	
			<i>For Work In Restricted Working Space, Add</i>	24.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0550 LF 12" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.11	52.98
<i>For 3" WG (Class B), Add</i>	13.24	
<i>For 4" Or 6" WG (Class A), Add</i>	28.25	
<i>For 10" WG (Class A), Add</i>	40.61	
<i>For Work In Restricted Working Space, Add</i>	26.49	
23 31 13 13-0551 LF 12" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.31	56.75
<i>For 3" WG (Class B), Add</i>	14.19	
<i>For 4" Or 6" WG (Class A), Add</i>	30.27	
<i>For 10" WG (Class A), Add</i>	43.51	
<i>For Work In Restricted Working Space, Add</i>	28.38	
23 31 13 13-0552 LF 12" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	115.54	60.54
<i>For 3" WG (Class B), Add</i>	15.14	
<i>For 4" Or 6" WG (Class A), Add</i>	32.29	
<i>For 10" WG (Class A), Add</i>	46.41	
<i>For Work In Restricted Working Space, Add</i>	30.27	
23 31 13 13-0553 LF 12" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.77	64.32
<i>For 3" WG (Class B), Add</i>	16.08	
<i>For 4" Or 6" WG (Class A), Add</i>	34.31	
<i>For 10" WG (Class A), Add</i>	49.32	
<i>For Work In Restricted Working Space, Add</i>	32.16	
23 31 13 13-0554 LF 12" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	129.98	68.11
<i>For 3" WG (Class B), Add</i>	17.03	
<i>For 4" Or 6" WG (Class A), Add</i>	36.32	
<i>For 10" WG (Class A), Add</i>	52.21	
<i>For Work In Restricted Working Space, Add</i>	34.05	
23 31 13 13-0555 LF 12" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	137.21	71.88
<i>For 3" WG (Class B), Add</i>	17.97	
<i>For 4" Or 6" WG (Class A), Add</i>	38.34	
<i>For 10" WG (Class A), Add</i>	55.12	
<i>For Work In Restricted Working Space, Add</i>	35.95	
23 31 13 13-0556 LF 12" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.41	75.68
<i>For 3" WG (Class B), Add</i>	18.92	
<i>For 4" Or 6" WG (Class A), Add</i>	40.36	
<i>For 10" WG (Class A), Add</i>	58.02	
<i>For Work In Restricted Working Space, Add</i>	37.84	
23 31 13 13-0557 LF 12" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	151.65	79.46
<i>For 3" WG (Class B), Add</i>	19.86	
<i>For 4" Or 6" WG (Class A), Add</i>	42.38	
<i>For 10" WG (Class A), Add</i>	60.92	
<i>For Work In Restricted Working Space, Add</i>	39.73	
23 31 13 13-0558 LF 12" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	158.87	83.24
<i>For 3" WG (Class B), Add</i>	20.81	
<i>For 4" Or 6" WG (Class A), Add</i>	44.39	
<i>For 10" WG (Class A), Add</i>	63.82	
<i>For Work In Restricted Working Space, Add</i>	41.62	
23 31 13 13-0559 LF 12" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	166.08	87.03
<i>For 3" WG (Class B), Add</i>	21.76	
<i>For 4" Or 6" WG (Class A), Add</i>	46.41	
<i>For 10" WG (Class A), Add</i>	66.72	
<i>For Work In Restricted Working Space, Add</i>	43.51	
23 31 13 13-0560 LF 12" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	173.32	90.81
<i>For 3" WG (Class B), Add</i>	22.70	
<i>For 4" Or 6" WG (Class A), Add</i>	48.44	
<i>For 10" WG (Class A), Add</i>	69.63	
<i>For Work In Restricted Working Space, Add</i>	45.41	
23 31 13 13-0561 LF 14" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.11	52.98
<i>For 3" WG (Class B), Add</i>	13.24	
<i>For 4" Or 6" WG (Class A), Add</i>	28.25	
<i>For 10" WG (Class A), Add</i>	40.61	
<i>For Work In Restricted Working Space, Add</i>	26.49	
23 31 13 13-0562 LF 14" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.31	56.75
<i>For 3" WG (Class B), Add</i>	14.19	
<i>For 4" Or 6" WG (Class A), Add</i>	30.27	
<i>For 10" WG (Class A), Add</i>	43.51	
<i>For Work In Restricted Working Space, Add</i>	28.38	
23 31 13 13-0563 LF 14" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	115.54	60.54
<i>For 3" WG (Class B), Add</i>	15.14	
<i>For 4" Or 6" WG (Class A), Add</i>	32.29	
<i>For 10" WG (Class A), Add</i>	46.41	
<i>For Work In Restricted Working Space, Add</i>	30.27	
23 31 13 13-0564 LF 14" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.77	64.32
<i>For 3" WG (Class B), Add</i>	16.08	
<i>For 4" Or 6" WG (Class A), Add</i>	34.31	
<i>For 10" WG (Class A), Add</i>	49.32	
<i>For Work In Restricted Working Space, Add</i>	32.16	
23 31 13 13-0565 LF 14" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	129.98	68.11
<i>For 3" WG (Class B), Add</i>	17.03	
<i>For 4" Or 6" WG (Class A), Add</i>	36.32	
<i>For 10" WG (Class A), Add</i>	52.21	
<i>For Work In Restricted Working Space, Add</i>	34.05	
23 31 13 13-0566 LF 14" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	137.21	71.88
<i>For 3" WG (Class B), Add</i>	17.97	
<i>For 4" Or 6" WG (Class A), Add</i>	38.34	
<i>For 10" WG (Class A), Add</i>	55.12	
<i>For Work In Restricted Working Space, Add</i>	35.95	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0567	LF	14" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.41	75.68
			<i>For 3" WG (Class B), Add</i>	18.92	
			<i>For 4" Or 6" WG (Class A), Add</i>	40.36	
			<i>For 10" WG (Class A), Add</i>	58.02	
			<i>For Work In Restricted Working Space, Add</i>	37.84	
23 31 13	13-0568	LF	14" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	151.65	79.46
			<i>For 3" WG (Class B), Add</i>	19.86	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.38	
			<i>For 10" WG (Class A), Add</i>	60.92	
			<i>For Work In Restricted Working Space, Add</i>	39.73	
23 31 13	13-0569	LF	14" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	158.87	83.24
			<i>For 3" WG (Class B), Add</i>	20.81	
			<i>For 4" Or 6" WG (Class A), Add</i>	44.39	
			<i>For 10" WG (Class A), Add</i>	63.82	
			<i>For Work In Restricted Working Space, Add</i>	41.62	
23 31 13	13-0570	LF	14" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	166.08	87.03
			<i>For 3" WG (Class B), Add</i>	21.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	46.41	
			<i>For 10" WG (Class A), Add</i>	66.72	
			<i>For Work In Restricted Working Space, Add</i>	43.51	
23 31 13	13-0571	LF	14" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	173.32	90.81
			<i>For 3" WG (Class B), Add</i>	22.70	
			<i>For 4" Or 6" WG (Class A), Add</i>	48.44	
			<i>For 10" WG (Class A), Add</i>	69.63	
			<i>For Work In Restricted Working Space, Add</i>	45.41	
23 31 13	13-0572	LF	14" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	180.53	94.59
			<i>For 3" WG (Class B), Add</i>	23.65	
			<i>For 4" Or 6" WG (Class A), Add</i>	50.45	
			<i>For 10" WG (Class A), Add</i>	72.52	
			<i>For Work In Restricted Working Space, Add</i>	47.30	
23 31 13	13-0573	LF	16" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	115.54	60.54
			<i>For 3" WG (Class B), Add</i>	15.14	
			<i>For 4" Or 6" WG (Class A), Add</i>	32.29	
			<i>For 10" WG (Class A), Add</i>	46.41	
			<i>For Work In Restricted Working Space, Add</i>	30.27	
23 31 13	13-0574	LF	16" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.77	64.32
			<i>For 3" WG (Class B), Add</i>	16.08	
			<i>For 4" Or 6" WG (Class A), Add</i>	34.31	
			<i>For 10" WG (Class A), Add</i>	49.32	
			<i>For Work In Restricted Working Space, Add</i>	32.16	
23 31 13	13-0575	LF	16" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	129.98	68.11
			<i>For 3" WG (Class B), Add</i>	17.03	
			<i>For 4" Or 6" WG (Class A), Add</i>	36.32	
			<i>For 10" WG (Class A), Add</i>	52.21	
			<i>For Work In Restricted Working Space, Add</i>	34.05	
23 31 13	13-0576	LF	16" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	137.21	71.88
			<i>For 3" WG (Class B), Add</i>	17.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	38.34	
			<i>For 10" WG (Class A), Add</i>	55.12	
			<i>For Work In Restricted Working Space, Add</i>	35.95	
23 31 13	13-0577	LF	16" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.41	75.68
			<i>For 3" WG (Class B), Add</i>	18.92	
			<i>For 4" Or 6" WG (Class A), Add</i>	40.36	
			<i>For 10" WG (Class A), Add</i>	58.02	
			<i>For Work In Restricted Working Space, Add</i>	37.84	
23 31 13	13-0578	LF	16" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	151.65	79.46
			<i>For 3" WG (Class B), Add</i>	19.86	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.38	
			<i>For 10" WG (Class A), Add</i>	60.92	
			<i>For Work In Restricted Working Space, Add</i>	39.73	
23 31 13	13-0579	LF	16" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	158.87	83.24
			<i>For 3" WG (Class B), Add</i>	20.81	
			<i>For 4" Or 6" WG (Class A), Add</i>	44.39	
			<i>For 10" WG (Class A), Add</i>	63.82	
			<i>For Work In Restricted Working Space, Add</i>	41.62	
23 31 13	13-0580	LF	16" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	166.08	87.03
			<i>For 3" WG (Class B), Add</i>	21.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	46.41	
			<i>For 10" WG (Class A), Add</i>	66.72	
			<i>For Work In Restricted Working Space, Add</i>	43.51	
23 31 13	13-0581	LF	16" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	173.32	90.81
			<i>For 3" WG (Class B), Add</i>	22.70	
			<i>For 4" Or 6" WG (Class A), Add</i>	48.44	
			<i>For 10" WG (Class A), Add</i>	69.63	
			<i>For Work In Restricted Working Space, Add</i>	45.41	
23 31 13	13-0582	LF	16" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	180.53	94.59
			<i>For 3" WG (Class B), Add</i>	23.65	
			<i>For 4" Or 6" WG (Class A), Add</i>	50.45	
			<i>For 10" WG (Class A), Add</i>	72.52	
			<i>For Work In Restricted Working Space, Add</i>	47.30	
23 31 13	13-0583	LF	16" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	187.76	98.38
			<i>For 3" WG (Class B), Add</i>	24.60	
			<i>For 4" Or 6" WG (Class A), Add</i>	52.47	
			<i>For 10" WG (Class A), Add</i>	75.43	
			<i>For Work In Restricted Working Space, Add</i>	49.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0584 LF 16" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	194.98	102.16
<i>For 3" WG (Class B), Add</i>	25.54	
<i>For 4" Or 6" WG (Class A), Add</i>	54.49	
<i>For 10" WG (Class A), Add</i>	78.32	
<i>For Work In Restricted Working Space, Add</i>	51.08	
23 31 13 13-0585 LF 16" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	202.20	105.94
<i>For 3" WG (Class B), Add</i>	26.49	
<i>For 4" Or 6" WG (Class A), Add</i>	56.51	
<i>For 10" WG (Class A), Add</i>	81.23	
<i>For Work In Restricted Working Space, Add</i>	52.97	
23 31 13 13-0586 LF 16" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	209.41	109.73
<i>For 3" WG (Class B), Add</i>	27.43	
<i>For 4" Or 6" WG (Class A), Add</i>	58.52	
<i>For 10" WG (Class A), Add</i>	84.12	
<i>For Work In Restricted Working Space, Add</i>	54.86	
23 31 13 13-0587 LF 16" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	216.65	113.51
<i>For 3" WG (Class B), Add</i>	28.38	
<i>For 4" Or 6" WG (Class A), Add</i>	60.54	
<i>For 10" WG (Class A), Add</i>	87.03	
<i>For Work In Restricted Working Space, Add</i>	56.76	
23 31 13 13-0588 LF 18" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	129.98	68.11
<i>For 3" WG (Class B), Add</i>	17.03	
<i>For 4" Or 6" WG (Class A), Add</i>	36.32	
<i>For 10" WG (Class A), Add</i>	52.21	
<i>For Work In Restricted Working Space, Add</i>	34.05	
23 31 13 13-0589 LF 18" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	137.21	71.88
<i>For 3" WG (Class B), Add</i>	17.97	
<i>For 4" Or 6" WG (Class A), Add</i>	38.34	
<i>For 10" WG (Class A), Add</i>	55.12	
<i>For Work In Restricted Working Space, Add</i>	35.95	
23 31 13 13-0590 LF 18" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.41	75.68
<i>For 3" WG (Class B), Add</i>	18.92	
<i>For 4" Or 6" WG (Class A), Add</i>	40.36	
<i>For 10" WG (Class A), Add</i>	58.02	
<i>For Work In Restricted Working Space, Add</i>	37.84	
23 31 13 13-0591 LF 18" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	151.65	79.46
<i>For 3" WG (Class B), Add</i>	19.86	
<i>For 4" Or 6" WG (Class A), Add</i>	42.38	
<i>For 10" WG (Class A), Add</i>	60.92	
<i>For Work In Restricted Working Space, Add</i>	39.73	
23 31 13 13-0592 LF 18" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	158.87	83.24
<i>For 3" WG (Class B), Add</i>	20.81	
<i>For 4" Or 6" WG (Class A), Add</i>	44.39	
<i>For 10" WG (Class A), Add</i>	63.82	
<i>For Work In Restricted Working Space, Add</i>	41.62	
23 31 13 13-0593 LF 18" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	166.08	87.03
<i>For 3" WG (Class B), Add</i>	21.76	
<i>For 4" Or 6" WG (Class A), Add</i>	46.41	
<i>For 10" WG (Class A), Add</i>	66.72	
<i>For Work In Restricted Working Space, Add</i>	43.51	
23 31 13 13-0594 LF 18" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	173.32	90.81
<i>For 3" WG (Class B), Add</i>	22.70	
<i>For 4" Or 6" WG (Class A), Add</i>	48.44	
<i>For 10" WG (Class A), Add</i>	69.63	
<i>For Work In Restricted Working Space, Add</i>	45.41	
23 31 13 13-0595 LF 18" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	180.53	94.59
<i>For 3" WG (Class B), Add</i>	23.65	
<i>For 4" Or 6" WG (Class A), Add</i>	50.45	
<i>For 10" WG (Class A), Add</i>	72.52	
<i>For Work In Restricted Working Space, Add</i>	47.30	
23 31 13 13-0596 LF 18" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	187.76	98.38
<i>For 3" WG (Class B), Add</i>	24.60	
<i>For 4" Or 6" WG (Class A), Add</i>	52.47	
<i>For 10" WG (Class A), Add</i>	75.43	
<i>For Work In Restricted Working Space, Add</i>	49.19	
23 31 13 13-0597 LF 18" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	194.98	102.16
<i>For 3" WG (Class B), Add</i>	25.54	
<i>For 4" Or 6" WG (Class A), Add</i>	54.49	
<i>For 10" WG (Class A), Add</i>	78.32	
<i>For Work In Restricted Working Space, Add</i>	51.08	
23 31 13 13-0598 LF 18" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	202.20	105.94
<i>For 3" WG (Class B), Add</i>	26.49	
<i>For 4" Or 6" WG (Class A), Add</i>	56.51	
<i>For 10" WG (Class A), Add</i>	81.23	
<i>For Work In Restricted Working Space, Add</i>	52.97	
23 31 13 13-0599 LF 18" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	209.41	109.73
<i>For 3" WG (Class B), Add</i>	27.43	
<i>For 4" Or 6" WG (Class A), Add</i>	58.52	
<i>For 10" WG (Class A), Add</i>	84.12	
<i>For Work In Restricted Working Space, Add</i>	54.86	
23 31 13 13-0600 LF 18" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	216.65	113.51
<i>For 3" WG (Class B), Add</i>	28.38	
<i>For 4" Or 6" WG (Class A), Add</i>	60.54	
<i>For 10" WG (Class A), Add</i>	87.03	
<i>For Work In Restricted Working Space, Add</i>	56.76	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0601	LF	18" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	223.85	117.29
			<i>For 3" WG (Class B), Add</i>	29.32	
			<i>For 4" Or 6" WG (Class A), Add</i>	62.56	
			<i>For 10" WG (Class A), Add</i>	89.93	
			<i>For Work In Restricted Working Space, Add</i>	58.65	
23 31 13	13-0602	LF	18" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	231.08	121.09
			<i>For 3" WG (Class B), Add</i>	30.27	
			<i>For 4" Or 6" WG (Class A), Add</i>	64.58	
			<i>For 10" WG (Class A), Add</i>	92.83	
			<i>For Work In Restricted Working Space, Add</i>	60.54	
23 31 13	13-0603	LF	20" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.41	75.68
			<i>For 3" WG (Class B), Add</i>	18.92	
			<i>For 4" Or 6" WG (Class A), Add</i>	40.36	
			<i>For 10" WG (Class A), Add</i>	58.02	
			<i>For Work In Restricted Working Space, Add</i>	37.84	
23 31 13	13-0604	LF	20" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	151.65	79.46
			<i>For 3" WG (Class B), Add</i>	19.86	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.38	
			<i>For 10" WG (Class A), Add</i>	60.92	
			<i>For Work In Restricted Working Space, Add</i>	39.73	
23 31 13	13-0605	LF	20" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	158.87	83.24
			<i>For 3" WG (Class B), Add</i>	20.81	
			<i>For 4" Or 6" WG (Class A), Add</i>	44.39	
			<i>For 10" WG (Class A), Add</i>	63.82	
			<i>For Work In Restricted Working Space, Add</i>	41.62	
23 31 13	13-0606	LF	20" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	166.08	87.03
			<i>For 3" WG (Class B), Add</i>	21.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	46.41	
			<i>For 10" WG (Class A), Add</i>	66.72	
			<i>For Work In Restricted Working Space, Add</i>	43.51	
23 31 13	13-0607	LF	20" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	173.32	90.81
			<i>For 3" WG (Class B), Add</i>	22.70	
			<i>For 4" Or 6" WG (Class A), Add</i>	48.44	
			<i>For 10" WG (Class A), Add</i>	69.63	
			<i>For Work In Restricted Working Space, Add</i>	45.41	
23 31 13	13-0608	LF	20" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	180.53	94.59
			<i>For 3" WG (Class B), Add</i>	23.65	
			<i>For 4" Or 6" WG (Class A), Add</i>	50.45	
			<i>For 10" WG (Class A), Add</i>	72.52	
			<i>For Work In Restricted Working Space, Add</i>	47.30	
23 31 13	13-0609	LF	20" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	187.76	98.38
			<i>For 3" WG (Class B), Add</i>	24.60	
			<i>For 4" Or 6" WG (Class A), Add</i>	52.47	
			<i>For 10" WG (Class A), Add</i>	75.43	
			<i>For Work In Restricted Working Space, Add</i>	49.19	
23 31 13	13-0610	LF	20" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	194.98	102.16
			<i>For 3" WG (Class B), Add</i>	25.54	
			<i>For 4" Or 6" WG (Class A), Add</i>	54.49	
			<i>For 10" WG (Class A), Add</i>	78.32	
			<i>For Work In Restricted Working Space, Add</i>	51.08	
23 31 13	13-0611	LF	20" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	202.20	105.94
			<i>For 3" WG (Class B), Add</i>	26.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	56.51	
			<i>For 10" WG (Class A), Add</i>	81.23	
			<i>For Work In Restricted Working Space, Add</i>	52.97	
23 31 13	13-0612	LF	20" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	209.41	109.73
			<i>For 3" WG (Class B), Add</i>	27.43	
			<i>For 4" Or 6" WG (Class A), Add</i>	58.52	
			<i>For 10" WG (Class A), Add</i>	84.12	
			<i>For Work In Restricted Working Space, Add</i>	54.86	
23 31 13	13-0613	LF	20" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	216.65	113.51
			<i>For 3" WG (Class B), Add</i>	28.38	
			<i>For 4" Or 6" WG (Class A), Add</i>	60.54	
			<i>For 10" WG (Class A), Add</i>	87.03	
			<i>For Work In Restricted Working Space, Add</i>	56.76	
23 31 13	13-0614	LF	20" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	223.85	117.29
			<i>For 3" WG (Class B), Add</i>	29.32	
			<i>For 4" Or 6" WG (Class A), Add</i>	62.56	
			<i>For 10" WG (Class A), Add</i>	89.93	
			<i>For Work In Restricted Working Space, Add</i>	58.65	
23 31 13	13-0615	LF	20" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	231.08	121.09
			<i>For 3" WG (Class B), Add</i>	30.27	
			<i>For 4" Or 6" WG (Class A), Add</i>	64.58	
			<i>For 10" WG (Class A), Add</i>	92.83	
			<i>For Work In Restricted Working Space, Add</i>	60.54	
23 31 13	13-0616	LF	20" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	238.30	124.86
			<i>For 3" WG (Class B), Add</i>	31.22	
			<i>For 4" Or 6" WG (Class A), Add</i>	66.60	
			<i>For 10" WG (Class A), Add</i>	95.73	
			<i>For Work In Restricted Working Space, Add</i>	62.43	
23 31 13	13-0617	LF	20" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.52	128.66
			<i>For 3" WG (Class B), Add</i>	32.16	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.61	
			<i>For 10" WG (Class A), Add</i>	98.63	
			<i>For Work In Restricted Working Space, Add</i>	64.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0618 LF 22" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	158.87	83.24
<i>For 3" WG (Class B), Add</i>	20.81	
<i>For 4" Or 6" WG (Class A), Add</i>	44.39	
<i>For 10" WG (Class A), Add</i>	63.82	
<i>For Work In Restricted Working Space, Add</i>	41.62	
23 31 13 13-0619 LF 22" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	166.08	87.03
<i>For 3" WG (Class B), Add</i>	21.76	
<i>For 4" Or 6" WG (Class A), Add</i>	46.41	
<i>For 10" WG (Class A), Add</i>	66.72	
<i>For Work In Restricted Working Space, Add</i>	43.51	
23 31 13 13-0620 LF 22" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	173.32	90.81
<i>For 3" WG (Class B), Add</i>	22.70	
<i>For 4" Or 6" WG (Class A), Add</i>	48.44	
<i>For 10" WG (Class A), Add</i>	69.63	
<i>For Work In Restricted Working Space, Add</i>	45.41	
23 31 13 13-0621 LF 22" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	180.53	94.59
<i>For 3" WG (Class B), Add</i>	23.65	
<i>For 4" Or 6" WG (Class A), Add</i>	50.45	
<i>For 10" WG (Class A), Add</i>	72.52	
<i>For Work In Restricted Working Space, Add</i>	47.30	
23 31 13 13-0622 LF 22" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	187.76	98.38
<i>For 3" WG (Class B), Add</i>	24.60	
<i>For 4" Or 6" WG (Class A), Add</i>	52.47	
<i>For 10" WG (Class A), Add</i>	75.43	
<i>For Work In Restricted Working Space, Add</i>	49.19	
23 31 13 13-0623 LF 22" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	194.98	102.16
<i>For 3" WG (Class B), Add</i>	25.54	
<i>For 4" Or 6" WG (Class A), Add</i>	54.49	
<i>For 10" WG (Class A), Add</i>	78.32	
<i>For Work In Restricted Working Space, Add</i>	51.08	
23 31 13 13-0624 LF 22" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	202.20	105.94
<i>For 3" WG (Class B), Add</i>	26.49	
<i>For 4" Or 6" WG (Class A), Add</i>	56.51	
<i>For 10" WG (Class A), Add</i>	81.23	
<i>For Work In Restricted Working Space, Add</i>	52.97	
23 31 13 13-0625 LF 22" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	209.41	109.73
<i>For 3" WG (Class B), Add</i>	27.43	
<i>For 4" Or 6" WG (Class A), Add</i>	58.52	
<i>For 10" WG (Class A), Add</i>	84.12	
<i>For Work In Restricted Working Space, Add</i>	54.86	
23 31 13 13-0626 LF 22" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	216.65	113.51
<i>For 3" WG (Class B), Add</i>	28.38	
<i>For 4" Or 6" WG (Class A), Add</i>	60.54	
<i>For 10" WG (Class A), Add</i>	87.03	
<i>For Work In Restricted Working Space, Add</i>	56.76	
23 31 13 13-0627 LF 22" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	223.85	117.29
<i>For 3" WG (Class B), Add</i>	29.32	
<i>For 4" Or 6" WG (Class A), Add</i>	62.56	
<i>For 10" WG (Class A), Add</i>	89.93	
<i>For Work In Restricted Working Space, Add</i>	58.65	
23 31 13 13-0628 LF 22" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	231.08	121.09
<i>For 3" WG (Class B), Add</i>	30.27	
<i>For 4" Or 6" WG (Class A), Add</i>	64.58	
<i>For 10" WG (Class A), Add</i>	92.83	
<i>For Work In Restricted Working Space, Add</i>	60.54	
23 31 13 13-0629 LF 22" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	238.30	124.86
<i>For 3" WG (Class B), Add</i>	31.22	
<i>For 4" Or 6" WG (Class A), Add</i>	66.60	
<i>For 10" WG (Class A), Add</i>	95.73	
<i>For Work In Restricted Working Space, Add</i>	62.43	
23 31 13 13-0630 LF 22" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.52	128.66
<i>For 3" WG (Class B), Add</i>	32.16	
<i>For 4" Or 6" WG (Class A), Add</i>	68.61	
<i>For 10" WG (Class A), Add</i>	98.63	
<i>For Work In Restricted Working Space, Add</i>	64.32	
23 31 13 13-0631 LF 22" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	252.75	132.43
<i>For 3" WG (Class B), Add</i>	33.11	
<i>For 4" Or 6" WG (Class A), Add</i>	70.63	
<i>For 10" WG (Class A), Add</i>	101.53	
<i>For Work In Restricted Working Space, Add</i>	66.22	
23 31 13 13-0632 LF 24" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	173.32	90.81
<i>For 3" WG (Class B), Add</i>	22.70	
<i>For 4" Or 6" WG (Class A), Add</i>	48.44	
<i>For 10" WG (Class A), Add</i>	69.63	
<i>For Work In Restricted Working Space, Add</i>	45.41	
23 31 13 13-0633 LF 24" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	180.53	94.59
<i>For 3" WG (Class B), Add</i>	23.65	
<i>For 4" Or 6" WG (Class A), Add</i>	50.45	
<i>For 10" WG (Class A), Add</i>	72.52	
<i>For Work In Restricted Working Space, Add</i>	47.30	
23 31 13 13-0634 LF 24" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	187.76	98.38
<i>For 3" WG (Class B), Add</i>	24.60	
<i>For 4" Or 6" WG (Class A), Add</i>	52.47	
<i>For 10" WG (Class A), Add</i>	75.43	
<i>For Work In Restricted Working Space, Add</i>	49.19	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0635	LF	24" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	194.98	102.16
			<i>For 3" WG (Class B), Add</i>	25.54	
			<i>For 4" Or 6" WG (Class A), Add</i>	54.49	
			<i>For 10" WG (Class A), Add</i>	78.32	
			<i>For Work In Restricted Working Space, Add</i>	51.08	
23 31 13	13-0636	LF	24" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	202.20	105.94
			<i>For 3" WG (Class B), Add</i>	26.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	56.51	
			<i>For 10" WG (Class A), Add</i>	81.23	
			<i>For Work In Restricted Working Space, Add</i>	52.97	
23 31 13	13-0637	LF	24" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	209.41	109.73
			<i>For 3" WG (Class B), Add</i>	27.43	
			<i>For 4" Or 6" WG (Class A), Add</i>	58.52	
			<i>For 10" WG (Class A), Add</i>	84.12	
			<i>For Work In Restricted Working Space, Add</i>	54.86	
23 31 13	13-0638	LF	24" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	216.65	113.51
			<i>For 3" WG (Class B), Add</i>	28.38	
			<i>For 4" Or 6" WG (Class A), Add</i>	60.54	
			<i>For 10" WG (Class A), Add</i>	87.03	
			<i>For Work In Restricted Working Space, Add</i>	56.76	
23 31 13	13-0639	LF	24" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	223.85	117.29
			<i>For 3" WG (Class B), Add</i>	29.32	
			<i>For 4" Or 6" WG (Class A), Add</i>	62.56	
			<i>For 10" WG (Class A), Add</i>	89.93	
			<i>For Work In Restricted Working Space, Add</i>	58.65	
23 31 13	13-0640	LF	24" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	231.08	121.09
			<i>For 3" WG (Class B), Add</i>	30.27	
			<i>For 4" Or 6" WG (Class A), Add</i>	64.58	
			<i>For 10" WG (Class A), Add</i>	92.83	
			<i>For Work In Restricted Working Space, Add</i>	60.54	
23 31 13	13-0641	LF	24" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	238.30	124.86
			<i>For 3" WG (Class B), Add</i>	31.22	
			<i>For 4" Or 6" WG (Class A), Add</i>	66.60	
			<i>For 10" WG (Class A), Add</i>	95.73	
			<i>For Work In Restricted Working Space, Add</i>	62.43	
23 31 13	13-0642	LF	24" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.52	128.66
			<i>For 3" WG (Class B), Add</i>	32.16	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.61	
			<i>For 10" WG (Class A), Add</i>	98.63	
			<i>For Work In Restricted Working Space, Add</i>	64.32	
23 31 13	13-0643	LF	24" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	252.75	132.43
			<i>For 3" WG (Class B), Add</i>	33.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	70.63	
			<i>For 10" WG (Class A), Add</i>	101.53	
			<i>For Work In Restricted Working Space, Add</i>	66.22	
23 31 13	13-0644	LF	24" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	259.96	136.22
			<i>For 3" WG (Class B), Add</i>	34.05	
			<i>For 4" Or 6" WG (Class A), Add</i>	72.65	
			<i>For 10" WG (Class A), Add</i>	104.43	
			<i>For Work In Restricted Working Space, Add</i>	68.11	
23 31 13	13-0645	LF	26" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	187.76	98.38
			<i>For 3" WG (Class B), Add</i>	24.60	
			<i>For 4" Or 6" WG (Class A), Add</i>	52.47	
			<i>For 10" WG (Class A), Add</i>	75.43	
			<i>For Work In Restricted Working Space, Add</i>	49.19	
23 31 13	13-0646	LF	26" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	194.98	102.16
			<i>For 3" WG (Class B), Add</i>	25.54	
			<i>For 4" Or 6" WG (Class A), Add</i>	54.49	
			<i>For 10" WG (Class A), Add</i>	78.32	
			<i>For Work In Restricted Working Space, Add</i>	51.08	
23 31 13	13-0647	LF	26" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	202.20	105.94
			<i>For 3" WG (Class B), Add</i>	26.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	56.51	
			<i>For 10" WG (Class A), Add</i>	81.23	
			<i>For Work In Restricted Working Space, Add</i>	52.97	
23 31 13	13-0648	LF	26" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	209.41	109.73
			<i>For 3" WG (Class B), Add</i>	27.43	
			<i>For 4" Or 6" WG (Class A), Add</i>	58.52	
			<i>For 10" WG (Class A), Add</i>	84.12	
			<i>For Work In Restricted Working Space, Add</i>	54.86	
23 31 13	13-0649	LF	26" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	216.65	113.51
			<i>For 3" WG (Class B), Add</i>	28.38	
			<i>For 4" Or 6" WG (Class A), Add</i>	60.54	
			<i>For 10" WG (Class A), Add</i>	87.03	
			<i>For Work In Restricted Working Space, Add</i>	56.76	
23 31 13	13-0650	LF	26" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	223.85	117.29
			<i>For 3" WG (Class B), Add</i>	29.32	
			<i>For 4" Or 6" WG (Class A), Add</i>	62.56	
			<i>For 10" WG (Class A), Add</i>	89.93	
			<i>For Work In Restricted Working Space, Add</i>	58.65	
23 31 13	13-0651	LF	26" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	231.08	121.09
			<i>For 3" WG (Class B), Add</i>	30.27	
			<i>For 4" Or 6" WG (Class A), Add</i>	64.58	
			<i>For 10" WG (Class A), Add</i>	92.83	
			<i>For Work In Restricted Working Space, Add</i>	60.54	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0652 LF 26" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	238.30	124.86
<i>For 3" WG (Class B), Add</i>	31.22	
<i>For 4" Or 6" WG (Class A), Add</i>	66.60	
<i>For 10" WG (Class A), Add</i>	95.73	
<i>For Work In Restricted Working Space, Add</i>	62.43	
23 31 13 13-0653 LF 26" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.52	128.66
<i>For 3" WG (Class B), Add</i>	32.16	
<i>For 4" Or 6" WG (Class A), Add</i>	68.61	
<i>For 10" WG (Class A), Add</i>	98.63	
<i>For Work In Restricted Working Space, Add</i>	64.32	
23 31 13 13-0654 LF 26" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	252.75	132.43
<i>For 3" WG (Class B), Add</i>	33.11	
<i>For 4" Or 6" WG (Class A), Add</i>	70.63	
<i>For 10" WG (Class A), Add</i>	101.53	
<i>For Work In Restricted Working Space, Add</i>	66.22	
23 31 13 13-0655 LF 26" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	259.96	136.22
<i>For 3" WG (Class B), Add</i>	34.05	
<i>For 4" Or 6" WG (Class A), Add</i>	72.65	
<i>For 10" WG (Class A), Add</i>	104.43	
<i>For Work In Restricted Working Space, Add</i>	68.11	
23 31 13 13-0656 LF 26" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	267.20	140.00
<i>For 3" WG (Class B), Add</i>	35.00	
<i>For 4" Or 6" WG (Class A), Add</i>	74.67	
<i>For 10" WG (Class A), Add</i>	107.34	
<i>For Work In Restricted Working Space, Add</i>	70.00	
23 31 13 13-0657 LF 28" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	202.20	105.94
<i>For 3" WG (Class B), Add</i>	26.49	
<i>For 4" Or 6" WG (Class A), Add</i>	56.51	
<i>For 10" WG (Class A), Add</i>	81.23	
<i>For Work In Restricted Working Space, Add</i>	52.97	
23 31 13 13-0658 LF 28" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	209.41	109.73
<i>For 3" WG (Class B), Add</i>	27.43	
<i>For 4" Or 6" WG (Class A), Add</i>	58.52	
<i>For 10" WG (Class A), Add</i>	84.12	
<i>For Work In Restricted Working Space, Add</i>	54.86	
23 31 13 13-0659 LF 28" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	216.65	113.51
<i>For 3" WG (Class B), Add</i>	28.38	
<i>For 4" Or 6" WG (Class A), Add</i>	60.54	
<i>For 10" WG (Class A), Add</i>	87.03	
<i>For Work In Restricted Working Space, Add</i>	56.76	
23 31 13 13-0660 LF 28" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	223.85	117.29
<i>For 3" WG (Class B), Add</i>	29.32	
<i>For 4" Or 6" WG (Class A), Add</i>	62.56	
<i>For 10" WG (Class A), Add</i>	89.93	
<i>For Work In Restricted Working Space, Add</i>	58.65	
23 31 13 13-0661 LF 28" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	231.08	121.09
<i>For 3" WG (Class B), Add</i>	30.27	
<i>For 4" Or 6" WG (Class A), Add</i>	64.58	
<i>For 10" WG (Class A), Add</i>	92.83	
<i>For Work In Restricted Working Space, Add</i>	60.54	
23 31 13 13-0662 LF 28" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	238.30	124.86
<i>For 3" WG (Class B), Add</i>	31.22	
<i>For 4" Or 6" WG (Class A), Add</i>	66.60	
<i>For 10" WG (Class A), Add</i>	95.73	
<i>For Work In Restricted Working Space, Add</i>	62.43	
23 31 13 13-0663 LF 28" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.52	128.66
<i>For 3" WG (Class B), Add</i>	32.16	
<i>For 4" Or 6" WG (Class A), Add</i>	68.61	
<i>For 10" WG (Class A), Add</i>	98.63	
<i>For Work In Restricted Working Space, Add</i>	64.32	
23 31 13 13-0664 LF 28" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	252.75	132.43
<i>For 3" WG (Class B), Add</i>	33.11	
<i>For 4" Or 6" WG (Class A), Add</i>	70.63	
<i>For 10" WG (Class A), Add</i>	101.53	
<i>For Work In Restricted Working Space, Add</i>	66.22	
23 31 13 13-0665 LF 28" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	259.96	136.22
<i>For 3" WG (Class B), Add</i>	34.05	
<i>For 4" Or 6" WG (Class A), Add</i>	72.65	
<i>For 10" WG (Class A), Add</i>	104.43	
<i>For Work In Restricted Working Space, Add</i>	68.11	
23 31 13 13-0666 LF 28" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	267.20	140.00
<i>For 3" WG (Class B), Add</i>	35.00	
<i>For 4" Or 6" WG (Class A), Add</i>	74.67	
<i>For 10" WG (Class A), Add</i>	107.34	
<i>For Work In Restricted Working Space, Add</i>	70.00	
23 31 13 13-0667 LF 28" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	274.40	143.79
<i>For 3" WG (Class B), Add</i>	35.95	
<i>For 4" Or 6" WG (Class A), Add</i>	76.68	
<i>For 10" WG (Class A), Add</i>	110.23	
<i>For Work In Restricted Working Space, Add</i>	71.89	
23 31 13 13-0668 LF 30" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	216.65	113.51
<i>For 3" WG (Class B), Add</i>	28.38	
<i>For 4" Or 6" WG (Class A), Add</i>	60.54	
<i>For 10" WG (Class A), Add</i>	87.03	
<i>For Work In Restricted Working Space, Add</i>	56.76	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0669	LF	30" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	223.85	117.29
			<i>For 3" WG (Class B), Add</i>	29.32	
			<i>For 4" Or 6" WG (Class A), Add</i>	62.56	
			<i>For 10" WG (Class A), Add</i>	89.93	
			<i>For Work In Restricted Working Space, Add</i>	58.65	
23 31 13	13-0670	LF	30" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	231.08	121.09
			<i>For 3" WG (Class B), Add</i>	30.27	
			<i>For 4" Or 6" WG (Class A), Add</i>	64.58	
			<i>For 10" WG (Class A), Add</i>	92.83	
			<i>For Work In Restricted Working Space, Add</i>	60.54	
23 31 13	13-0671	LF	30" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	238.30	124.86
			<i>For 3" WG (Class B), Add</i>	31.22	
			<i>For 4" Or 6" WG (Class A), Add</i>	66.60	
			<i>For 10" WG (Class A), Add</i>	95.73	
			<i>For Work In Restricted Working Space, Add</i>	62.43	
23 31 13	13-0672	LF	30" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.52	128.66
			<i>For 3" WG (Class B), Add</i>	32.16	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.61	
			<i>For 10" WG (Class A), Add</i>	98.63	
			<i>For Work In Restricted Working Space, Add</i>	64.32	
23 31 13	13-0673	LF	30" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	252.75	132.43
			<i>For 3" WG (Class B), Add</i>	33.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	70.63	
			<i>For 10" WG (Class A), Add</i>	101.53	
			<i>For Work In Restricted Working Space, Add</i>	66.22	
23 31 13	13-0674	LF	30" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	259.96	136.22
			<i>For 3" WG (Class B), Add</i>	34.05	
			<i>For 4" Or 6" WG (Class A), Add</i>	72.65	
			<i>For 10" WG (Class A), Add</i>	104.43	
			<i>For Work In Restricted Working Space, Add</i>	68.11	
23 31 13	13-0675	LF	30" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	267.20	140.00
			<i>For 3" WG (Class B), Add</i>	35.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	74.67	
			<i>For 10" WG (Class A), Add</i>	107.34	
			<i>For Work In Restricted Working Space, Add</i>	70.00	
23 31 13	13-0676	LF	30" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	274.40	143.79
			<i>For 3" WG (Class B), Add</i>	35.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	76.68	
			<i>For 10" WG (Class A), Add</i>	110.23	
			<i>For Work In Restricted Working Space, Add</i>	71.89	
23 31 13	13-0677	LF	30" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	281.63	147.56
			<i>For 3" WG (Class B), Add</i>	36.89	
			<i>For 4" Or 6" WG (Class A), Add</i>	78.70	
			<i>For 10" WG (Class A), Add</i>	113.14	
			<i>For Work In Restricted Working Space, Add</i>	73.79	
23 31 13	13-0678	LF	32" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	231.08	121.09
			<i>For 3" WG (Class B), Add</i>	30.27	
			<i>For 4" Or 6" WG (Class A), Add</i>	64.58	
			<i>For 10" WG (Class A), Add</i>	92.83	
			<i>For Work In Restricted Working Space, Add</i>	60.54	
23 31 13	13-0679	LF	32" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	238.30	124.86
			<i>For 3" WG (Class B), Add</i>	31.22	
			<i>For 4" Or 6" WG (Class A), Add</i>	66.60	
			<i>For 10" WG (Class A), Add</i>	95.73	
			<i>For Work In Restricted Working Space, Add</i>	62.43	
23 31 13	13-0680	LF	32" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.52	128.66
			<i>For 3" WG (Class B), Add</i>	32.16	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.61	
			<i>For 10" WG (Class A), Add</i>	98.63	
			<i>For Work In Restricted Working Space, Add</i>	64.32	
23 31 13	13-0681	LF	32" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	252.75	132.43
			<i>For 3" WG (Class B), Add</i>	33.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	70.63	
			<i>For 10" WG (Class A), Add</i>	101.53	
			<i>For Work In Restricted Working Space, Add</i>	66.22	
23 31 13	13-0682	LF	32" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	259.96	136.22
			<i>For 3" WG (Class B), Add</i>	34.05	
			<i>For 4" Or 6" WG (Class A), Add</i>	72.65	
			<i>For 10" WG (Class A), Add</i>	104.43	
			<i>For Work In Restricted Working Space, Add</i>	68.11	
23 31 13	13-0683	LF	32" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	267.20	140.00
			<i>For 3" WG (Class B), Add</i>	35.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	74.67	
			<i>For 10" WG (Class A), Add</i>	107.34	
			<i>For Work In Restricted Working Space, Add</i>	70.00	
23 31 13	13-0684	LF	32" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	274.40	143.79
			<i>For 3" WG (Class B), Add</i>	35.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	76.68	
			<i>For 10" WG (Class A), Add</i>	110.23	
			<i>For Work In Restricted Working Space, Add</i>	71.89	
23 31 13	13-0685	LF	32" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	281.63	147.56
			<i>For 3" WG (Class B), Add</i>	36.89	
			<i>For 4" Or 6" WG (Class A), Add</i>	78.70	
			<i>For 10" WG (Class A), Add</i>	113.14	
			<i>For Work In Restricted Working Space, Add</i>	73.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0686 LF 32" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	288.86	151.36
<i>For 3" WG (Class B), Add</i>	37.84	
<i>For 4" Or 6" WG (Class A), Add</i>	80.72	
<i>For 10" WG (Class A), Add</i>	116.04	
<i>For Work In Restricted Working Space, Add</i>	75.68	
23 31 13 13-0687 LF 34" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.52	128.66
<i>For 3" WG (Class B), Add</i>	32.16	
<i>For 4" Or 6" WG (Class A), Add</i>	68.61	
<i>For 10" WG (Class A), Add</i>	98.63	
<i>For Work In Restricted Working Space, Add</i>	64.32	
23 31 13 13-0688 LF 34" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	252.75	132.43
<i>For 3" WG (Class B), Add</i>	33.11	
<i>For 4" Or 6" WG (Class A), Add</i>	70.63	
<i>For 10" WG (Class A), Add</i>	101.53	
<i>For Work In Restricted Working Space, Add</i>	66.22	
23 31 13 13-0689 LF 34" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	259.96	136.22
<i>For 3" WG (Class B), Add</i>	34.05	
<i>For 4" Or 6" WG (Class A), Add</i>	72.65	
<i>For 10" WG (Class A), Add</i>	104.43	
<i>For Work In Restricted Working Space, Add</i>	68.11	
23 31 13 13-0690 LF 34" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	267.20	140.00
<i>For 3" WG (Class B), Add</i>	35.00	
<i>For 4" Or 6" WG (Class A), Add</i>	74.67	
<i>For 10" WG (Class A), Add</i>	107.34	
<i>For Work In Restricted Working Space, Add</i>	70.00	
23 31 13 13-0691 LF 34" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	274.40	143.79
<i>For 3" WG (Class B), Add</i>	35.95	
<i>For 4" Or 6" WG (Class A), Add</i>	76.68	
<i>For 10" WG (Class A), Add</i>	110.23	
<i>For Work In Restricted Working Space, Add</i>	71.89	
23 31 13 13-0692 LF 34" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	281.63	147.56
<i>For 3" WG (Class B), Add</i>	36.89	
<i>For 4" Or 6" WG (Class A), Add</i>	78.70	
<i>For 10" WG (Class A), Add</i>	113.14	
<i>For Work In Restricted Working Space, Add</i>	73.79	
23 31 13 13-0693 LF 34" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	288.86	151.36
<i>For 3" WG (Class B), Add</i>	37.84	
<i>For 4" Or 6" WG (Class A), Add</i>	80.72	
<i>For 10" WG (Class A), Add</i>	116.04	
<i>For Work In Restricted Working Space, Add</i>	75.68	
23 31 13 13-0694 LF 34" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	296.06	155.13
<i>For 3" WG (Class B), Add</i>	38.78	
<i>For 4" Or 6" WG (Class A), Add</i>	82.74	
<i>For 10" WG (Class A), Add</i>	118.93	
<i>For Work In Restricted Working Space, Add</i>	77.57	
23 31 13 13-0695 LF 36" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	259.96	136.22
<i>For 3" WG (Class B), Add</i>	34.05	
<i>For 4" Or 6" WG (Class A), Add</i>	72.65	
<i>For 10" WG (Class A), Add</i>	104.43	
<i>For Work In Restricted Working Space, Add</i>	68.11	
23 31 13 13-0696 LF 36" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	267.20	140.00
<i>For 3" WG (Class B), Add</i>	35.00	
<i>For 4" Or 6" WG (Class A), Add</i>	74.67	
<i>For 10" WG (Class A), Add</i>	107.34	
<i>For Work In Restricted Working Space, Add</i>	70.00	
23 31 13 13-0697 LF 36" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	274.40	143.79
<i>For 3" WG (Class B), Add</i>	35.95	
<i>For 4" Or 6" WG (Class A), Add</i>	76.68	
<i>For 10" WG (Class A), Add</i>	110.23	
<i>For Work In Restricted Working Space, Add</i>	71.89	
23 31 13 13-0698 LF 36" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	281.63	147.56
<i>For 3" WG (Class B), Add</i>	36.89	
<i>For 4" Or 6" WG (Class A), Add</i>	78.70	
<i>For 10" WG (Class A), Add</i>	113.14	
<i>For Work In Restricted Working Space, Add</i>	73.79	
23 31 13 13-0699 LF 36" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	288.86	151.36
<i>For 3" WG (Class B), Add</i>	37.84	
<i>For 4" Or 6" WG (Class A), Add</i>	80.72	
<i>For 10" WG (Class A), Add</i>	116.04	
<i>For Work In Restricted Working Space, Add</i>	75.68	
23 31 13 13-0700 LF 36" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	296.06	155.13
<i>For 3" WG (Class B), Add</i>	38.78	
<i>For 4" Or 6" WG (Class A), Add</i>	82.74	
<i>For 10" WG (Class A), Add</i>	118.93	
<i>For Work In Restricted Working Space, Add</i>	77.57	
23 31 13 13-0701 LF 36" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	303.29	158.92
<i>For 3" WG (Class B), Add</i>	39.73	
<i>For 4" Or 6" WG (Class A), Add</i>	84.76	
<i>For 10" WG (Class A), Add</i>	121.84	
<i>For Work In Restricted Working Space, Add</i>	79.46	
23 31 13 13-0702 LF 38" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	274.40	143.79
<i>For 3" WG (Class B), Add</i>	35.95	
<i>For 4" Or 6" WG (Class A), Add</i>	76.68	
<i>For 10" WG (Class A), Add</i>	110.23	
<i>For Work In Restricted Working Space, Add</i>	71.89	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0703	LF	38" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	281.63	147.56
			<i>For 3" WG (Class B), Add</i>	36.89	
			<i>For 4" Or 6" WG (Class A), Add</i>	78.70	
			<i>For 10" WG (Class A), Add</i>	113.14	
			<i>For Work In Restricted Working Space, Add</i>	73.79	
23 31 13	13-0704	LF	38" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	288.86	151.36
			<i>For 3" WG (Class B), Add</i>	37.84	
			<i>For 4" Or 6" WG (Class A), Add</i>	80.72	
			<i>For 10" WG (Class A), Add</i>	116.04	
			<i>For Work In Restricted Working Space, Add</i>	75.68	
23 31 13	13-0705	LF	38" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	296.06	155.13
			<i>For 3" WG (Class B), Add</i>	38.78	
			<i>For 4" Or 6" WG (Class A), Add</i>	82.74	
			<i>For 10" WG (Class A), Add</i>	118.93	
			<i>For Work In Restricted Working Space, Add</i>	77.57	
23 31 13	13-0706	LF	38" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	303.29	158.92
			<i>For 3" WG (Class B), Add</i>	39.73	
			<i>For 4" Or 6" WG (Class A), Add</i>	84.76	
			<i>For 10" WG (Class A), Add</i>	121.84	
			<i>For Work In Restricted Working Space, Add</i>	79.46	
23 31 13	13-0707	LF	38" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	310.52	162.71
			<i>For 3" WG (Class B), Add</i>	40.68	
			<i>For 4" Or 6" WG (Class A), Add</i>	86.77	
			<i>For 10" WG (Class A), Add</i>	124.74	
			<i>For Work In Restricted Working Space, Add</i>	81.35	
23 31 13	13-0708	LF	38" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	317.74	166.49
			<i>For 3" WG (Class B), Add</i>	41.62	
			<i>For 4" Or 6" WG (Class A), Add</i>	88.79	
			<i>For 10" WG (Class A), Add</i>	127.64	
			<i>For Work In Restricted Working Space, Add</i>	83.24	
23 31 13	13-0709	LF	40" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	288.86	151.36
			<i>For 3" WG (Class B), Add</i>	37.84	
			<i>For 4" Or 6" WG (Class A), Add</i>	80.72	
			<i>For 10" WG (Class A), Add</i>	116.04	
			<i>For Work In Restricted Working Space, Add</i>	75.68	
23 31 13	13-0710	LF	40" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	296.06	155.13
			<i>For 3" WG (Class B), Add</i>	38.78	
			<i>For 4" Or 6" WG (Class A), Add</i>	82.74	
			<i>For 10" WG (Class A), Add</i>	118.93	
			<i>For Work In Restricted Working Space, Add</i>	77.57	
23 31 13	13-0711	LF	40" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	303.29	158.92
			<i>For 3" WG (Class B), Add</i>	39.73	
			<i>For 4" Or 6" WG (Class A), Add</i>	84.76	
			<i>For 10" WG (Class A), Add</i>	121.84	
			<i>For Work In Restricted Working Space, Add</i>	79.46	
23 31 13	13-0712	LF	40" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	310.52	162.71
			<i>For 3" WG (Class B), Add</i>	40.68	
			<i>For 4" Or 6" WG (Class A), Add</i>	86.77	
			<i>For 10" WG (Class A), Add</i>	124.74	
			<i>For Work In Restricted Working Space, Add</i>	81.35	
23 31 13	13-0713	LF	40" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	317.74	166.49
			<i>For 3" WG (Class B), Add</i>	41.62	
			<i>For 4" Or 6" WG (Class A), Add</i>	88.79	
			<i>For 10" WG (Class A), Add</i>	127.64	
			<i>For Work In Restricted Working Space, Add</i>	83.24	
23 31 13	13-0714	LF	40" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	324.96	170.27
			<i>For 3" WG (Class B), Add</i>	42.57	
			<i>For 4" Or 6" WG (Class A), Add</i>	90.81	
			<i>For 10" WG (Class A), Add</i>	130.54	
			<i>For Work In Restricted Working Space, Add</i>	85.13	
23 31 13	13-0715	LF	40" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	332.17	174.06
			<i>For 3" WG (Class B), Add</i>	43.51	
			<i>For 4" Or 6" WG (Class A), Add</i>	92.83	
			<i>For 10" WG (Class A), Add</i>	133.44	
			<i>For Work In Restricted Working Space, Add</i>	87.03	
23 31 13	13-0716	LF	40" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	339.40	177.84
			<i>For 3" WG (Class B), Add</i>	44.46	
			<i>For 4" Or 6" WG (Class A), Add</i>	94.84	
			<i>For 10" WG (Class A), Add</i>	136.34	
			<i>For Work In Restricted Working Space, Add</i>	88.92	
23 31 13	13-0717	LF	40" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	346.63	181.62
			<i>For 3" WG (Class B), Add</i>	45.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	96.86	
			<i>For 10" WG (Class A), Add</i>	139.24	
			<i>For Work In Restricted Working Space, Add</i>	90.81	
23 31 13	13-0718	LF	42" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	303.29	158.92
			<i>For 3" WG (Class B), Add</i>	39.73	
			<i>For 4" Or 6" WG (Class A), Add</i>	84.76	
			<i>For 10" WG (Class A), Add</i>	121.84	
			<i>For Work In Restricted Working Space, Add</i>	79.46	
23 31 13	13-0719	LF	42" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	310.52	162.71
			<i>For 3" WG (Class B), Add</i>	40.68	
			<i>For 4" Or 6" WG (Class A), Add</i>	86.77	
			<i>For 10" WG (Class A), Add</i>	124.74	
			<i>For Work In Restricted Working Space, Add</i>	81.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0720 LF 42" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	317.74	166.49
<i>For 3" WG (Class B), Add</i>	41.62	
<i>For 4" Or 6" WG (Class A), Add</i>	88.79	
<i>For 10" WG (Class A), Add</i>	127.64	
<i>For Work In Restricted Working Space, Add</i>	83.24	
23 31 13 13-0721 LF 42" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	324.96	170.27
<i>For 3" WG (Class B), Add</i>	42.57	
<i>For 4" Or 6" WG (Class A), Add</i>	90.81	
<i>For 10" WG (Class A), Add</i>	130.54	
<i>For Work In Restricted Working Space, Add</i>	85.13	
23 31 13 13-0722 LF 42" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	332.17	174.06
<i>For 3" WG (Class B), Add</i>	43.51	
<i>For 4" Or 6" WG (Class A), Add</i>	92.83	
<i>For 10" WG (Class A), Add</i>	133.44	
<i>For Work In Restricted Working Space, Add</i>	87.03	
23 31 13 13-0723 LF 42" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	339.40	177.84
<i>For 3" WG (Class B), Add</i>	44.46	
<i>For 4" Or 6" WG (Class A), Add</i>	94.84	
<i>For 10" WG (Class A), Add</i>	136.34	
<i>For Work In Restricted Working Space, Add</i>	88.92	
23 31 13 13-0724 LF 42" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	346.63	181.62
<i>For 3" WG (Class B), Add</i>	45.41	
<i>For 4" Or 6" WG (Class A), Add</i>	96.86	
<i>For 10" WG (Class A), Add</i>	139.24	
<i>For Work In Restricted Working Space, Add</i>	90.81	
23 31 13 13-0725 LF 42" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	353.84	185.41
<i>For 3" WG (Class B), Add</i>	46.35	
<i>For 4" Or 6" WG (Class A), Add</i>	98.88	
<i>For 10" WG (Class A), Add</i>	142.14	
<i>For Work In Restricted Working Space, Add</i>	92.70	
23 31 13 13-0726 LF 44" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	317.74	166.49
<i>For 3" WG (Class B), Add</i>	41.62	
<i>For 4" Or 6" WG (Class A), Add</i>	88.79	
<i>For 10" WG (Class A), Add</i>	127.64	
<i>For Work In Restricted Working Space, Add</i>	83.24	
23 31 13 13-0727 LF 44" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	324.96	170.27
<i>For 3" WG (Class B), Add</i>	42.57	
<i>For 4" Or 6" WG (Class A), Add</i>	90.81	
<i>For 10" WG (Class A), Add</i>	130.54	
<i>For Work In Restricted Working Space, Add</i>	85.13	
23 31 13 13-0728 LF 44" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	332.17	174.06
<i>For 3" WG (Class B), Add</i>	43.51	
<i>For 4" Or 6" WG (Class A), Add</i>	92.83	
<i>For 10" WG (Class A), Add</i>	133.44	
<i>For Work In Restricted Working Space, Add</i>	87.03	
23 31 13 13-0729 LF 44" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	339.40	177.84
<i>For 3" WG (Class B), Add</i>	44.46	
<i>For 4" Or 6" WG (Class A), Add</i>	94.84	
<i>For 10" WG (Class A), Add</i>	136.34	
<i>For Work In Restricted Working Space, Add</i>	88.92	
23 31 13 13-0730 LF 44" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	346.63	181.62
<i>For 3" WG (Class B), Add</i>	45.41	
<i>For 4" Or 6" WG (Class A), Add</i>	96.86	
<i>For 10" WG (Class A), Add</i>	139.24	
<i>For Work In Restricted Working Space, Add</i>	90.81	
23 31 13 13-0731 LF 44" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	353.84	185.41
<i>For 3" WG (Class B), Add</i>	46.35	
<i>For 4" Or 6" WG (Class A), Add</i>	98.88	
<i>For 10" WG (Class A), Add</i>	142.14	
<i>For Work In Restricted Working Space, Add</i>	92.70	
23 31 13 13-0732 LF 44" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	361.07	189.19
<i>For 3" WG (Class B), Add</i>	47.30	
<i>For 4" Or 6" WG (Class A), Add</i>	100.90	
<i>For 10" WG (Class A), Add</i>	145.05	
<i>For Work In Restricted Working Space, Add</i>	94.60	
23 31 13 13-0733 LF 46" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	332.17	174.06
<i>For 3" WG (Class B), Add</i>	43.51	
<i>For 4" Or 6" WG (Class A), Add</i>	92.83	
<i>For 10" WG (Class A), Add</i>	133.44	
<i>For Work In Restricted Working Space, Add</i>	87.03	
23 31 13 13-0734 LF 46" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	339.40	177.84
<i>For 3" WG (Class B), Add</i>	44.46	
<i>For 4" Or 6" WG (Class A), Add</i>	94.84	
<i>For 10" WG (Class A), Add</i>	136.34	
<i>For Work In Restricted Working Space, Add</i>	88.92	
23 31 13 13-0735 LF 46" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	346.63	181.62
<i>For 3" WG (Class B), Add</i>	45.41	
<i>For 4" Or 6" WG (Class A), Add</i>	96.86	
<i>For 10" WG (Class A), Add</i>	139.24	
<i>For Work In Restricted Working Space, Add</i>	90.81	
23 31 13 13-0736 LF 46" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	353.84	185.41
<i>For 3" WG (Class B), Add</i>	46.35	
<i>For 4" Or 6" WG (Class A), Add</i>	98.88	
<i>For 10" WG (Class A), Add</i>	142.14	
<i>For Work In Restricted Working Space, Add</i>	92.70	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0737	LF	46" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	361.07	189.19
			<i>For 3" WG (Class B), Add</i>	47.30	
			<i>For 4" Or 6" WG (Class A), Add</i>	100.90	
			<i>For 10" WG (Class A), Add</i>	145.05	
			<i>For Work In Restricted Working Space, Add</i>	94.60	
23 31 13	13-0738	LF	46" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	374.60	196.76
			<i>For 3" WG (Class B), Add</i>	49.19	
			<i>For 4" Or 6" WG (Class A), Add</i>	104.93	
			<i>For 10" WG (Class A), Add</i>	150.84	
			<i>For Work In Restricted Working Space, Add</i>	98.38	
23 31 13	13-0739	LF	46" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	381.81	200.54
			<i>For 3" WG (Class B), Add</i>	50.13	
			<i>For 4" Or 6" WG (Class A), Add</i>	106.95	
			<i>For 10" WG (Class A), Add</i>	153.75	
			<i>For Work In Restricted Working Space, Add</i>	100.27	
23 31 13	13-0740	LF	48" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	346.63	181.62
			<i>For 3" WG (Class B), Add</i>	45.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	96.86	
			<i>For 10" WG (Class A), Add</i>	139.24	
			<i>For Work In Restricted Working Space, Add</i>	90.81	
23 31 13	13-0741	LF	48" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	353.84	185.41
			<i>For 3" WG (Class B), Add</i>	46.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	98.88	
			<i>For 10" WG (Class A), Add</i>	142.14	
			<i>For Work In Restricted Working Space, Add</i>	92.70	
23 31 13	13-0742	LF	48" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	361.07	189.19
			<i>For 3" WG (Class B), Add</i>	47.30	
			<i>For 4" Or 6" WG (Class A), Add</i>	100.90	
			<i>For 10" WG (Class A), Add</i>	145.05	
			<i>For Work In Restricted Working Space, Add</i>	94.60	
23 31 13	13-0743	LF	48" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	368.31	192.97
			<i>For 3" WG (Class B), Add</i>	48.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	102.92	
			<i>For 10" WG (Class A), Add</i>	147.95	
			<i>For Work In Restricted Working Space, Add</i>	96.49	
23 31 13	13-0744	LF	48" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	375.50	196.76
			<i>For 3" WG (Class B), Add</i>	49.19	
			<i>For 4" Or 6" WG (Class A), Add</i>	104.93	
			<i>For 10" WG (Class A), Add</i>	150.84	
			<i>For Work In Restricted Working Space, Add</i>	98.38	
23 31 13	13-0745	LF	48" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	382.73	200.54
			<i>For 3" WG (Class B), Add</i>	50.13	
			<i>For 4" Or 6" WG (Class A), Add</i>	106.95	
			<i>For 10" WG (Class A), Add</i>	153.75	
			<i>For Work In Restricted Working Space, Add</i>	100.27	
23 31 13	13-0746	LF	48" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	389.94	204.33
			<i>For 3" WG (Class B), Add</i>	51.08	
			<i>For 4" Or 6" WG (Class A), Add</i>	108.97	
			<i>For 10" WG (Class A), Add</i>	156.64	
			<i>For Work In Restricted Working Space, Add</i>	102.16	
23 31 13	13-0747	LF	50" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	361.07	189.19
			<i>For 3" WG (Class B), Add</i>	47.30	
			<i>For 4" Or 6" WG (Class A), Add</i>	100.90	
			<i>For 10" WG (Class A), Add</i>	145.05	
			<i>For Work In Restricted Working Space, Add</i>	94.60	
23 31 13	13-0748	LF	50" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	368.31	192.97
			<i>For 3" WG (Class B), Add</i>	48.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	102.92	
			<i>For 10" WG (Class A), Add</i>	147.95	
			<i>For Work In Restricted Working Space, Add</i>	96.49	
23 31 13	13-0749	LF	50" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	375.50	196.76
			<i>For 3" WG (Class B), Add</i>	49.19	
			<i>For 4" Or 6" WG (Class A), Add</i>	104.93	
			<i>For 10" WG (Class A), Add</i>	150.84	
			<i>For Work In Restricted Working Space, Add</i>	98.38	
23 31 13	13-0750	LF	50" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	382.73	200.54
			<i>For 3" WG (Class B), Add</i>	50.13	
			<i>For 4" Or 6" WG (Class A), Add</i>	106.95	
			<i>For 10" WG (Class A), Add</i>	153.75	
			<i>For Work In Restricted Working Space, Add</i>	100.27	
23 31 13	13-0751	LF	50" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	389.94	204.33
			<i>For 3" WG (Class B), Add</i>	51.08	
			<i>For 4" Or 6" WG (Class A), Add</i>	108.97	
			<i>For 10" WG (Class A), Add</i>	156.64	
			<i>For Work In Restricted Working Space, Add</i>	102.16	
23 31 13	13-0752	LF	50" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	397.17	208.11
			<i>For 3" WG (Class B), Add</i>	52.03	
			<i>For 4" Or 6" WG (Class A), Add</i>	110.99	
			<i>For 10" WG (Class A), Add</i>	159.55	
			<i>For Work In Restricted Working Space, Add</i>	104.05	
23 31 13	13-0753	LF	52" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	375.50	196.76
			<i>For 3" WG (Class B), Add</i>	49.19	
			<i>For 4" Or 6" WG (Class A), Add</i>	104.93	
			<i>For 10" WG (Class A), Add</i>	150.84	
			<i>For Work In Restricted Working Space, Add</i>	98.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0754 LF 52" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	382.73	200.54
<i>For 3" WG (Class B), Add</i>	50.13	
<i>For 4" Or 6" WG (Class A), Add</i>	106.95	
<i>For 10" WG (Class A), Add</i>	153.75	
<i>For Work In Restricted Working Space, Add</i>	100.27	
23 31 13 13-0755 LF 52" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	389.94	204.33
<i>For 3" WG (Class B), Add</i>	51.08	
<i>For 4" Or 6" WG (Class A), Add</i>	108.97	
<i>For 10" WG (Class A), Add</i>	156.64	
<i>For Work In Restricted Working Space, Add</i>	102.16	
23 31 13 13-0756 LF 52" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	397.17	208.11
<i>For 3" WG (Class B), Add</i>	52.03	
<i>For 4" Or 6" WG (Class A), Add</i>	110.99	
<i>For 10" WG (Class A), Add</i>	159.55	
<i>For Work In Restricted Working Space, Add</i>	104.05	
23 31 13 13-0757 LF 52" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	404.41	211.90
<i>For 3" WG (Class B), Add</i>	52.97	
<i>For 4" Or 6" WG (Class A), Add</i>	113.01	
<i>For 10" WG (Class A), Add</i>	162.45	
<i>For Work In Restricted Working Space, Add</i>	105.95	
23 31 13 13-0758 LF 54" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	389.94	204.33
<i>For 3" WG (Class B), Add</i>	51.08	
<i>For 4" Or 6" WG (Class A), Add</i>	108.97	
<i>For 10" WG (Class A), Add</i>	156.64	
<i>For Work In Restricted Working Space, Add</i>	102.16	
23 31 13 13-0759 LF 54" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	397.17	208.11
<i>For 3" WG (Class B), Add</i>	52.03	
<i>For 4" Or 6" WG (Class A), Add</i>	110.99	
<i>For 10" WG (Class A), Add</i>	159.55	
<i>For Work In Restricted Working Space, Add</i>	104.05	
23 31 13 13-0760 LF 54" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	404.41	211.90
<i>For 3" WG (Class B), Add</i>	52.97	
<i>For 4" Or 6" WG (Class A), Add</i>	113.01	
<i>For 10" WG (Class A), Add</i>	162.45	
<i>For Work In Restricted Working Space, Add</i>	105.95	
23 31 13 13-0761 LF 54" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	411.61	215.67
<i>For 3" WG (Class B), Add</i>	53.92	
<i>For 4" Or 6" WG (Class A), Add</i>	115.03	
<i>For 10" WG (Class A), Add</i>	165.35	
<i>For Work In Restricted Working Space, Add</i>	107.84	
23 31 13 13-0762 LF 54" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	418.84	219.46
<i>For 3" WG (Class B), Add</i>	54.87	
<i>For 4" Or 6" WG (Class A), Add</i>	117.05	
<i>For 10" WG (Class A), Add</i>	168.25	
<i>For Work In Restricted Working Space, Add</i>	109.73	
23 31 13 13-0763 LF 54" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	426.05	223.24
<i>For 3" WG (Class B), Add</i>	55.81	
<i>For 4" Or 6" WG (Class A), Add</i>	119.06	
<i>For 10" WG (Class A), Add</i>	171.15	
<i>For Work In Restricted Working Space, Add</i>	111.62	
23 31 13 13-0764 LF 56" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	404.41	211.90
<i>For 3" WG (Class B), Add</i>	52.97	
<i>For 4" Or 6" WG (Class A), Add</i>	113.01	
<i>For 10" WG (Class A), Add</i>	162.45	
<i>For Work In Restricted Working Space, Add</i>	105.95	
23 31 13 13-0765 LF 56" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	411.61	215.67
<i>For 3" WG (Class B), Add</i>	53.92	
<i>For 4" Or 6" WG (Class A), Add</i>	115.03	
<i>For 10" WG (Class A), Add</i>	165.35	
<i>For Work In Restricted Working Space, Add</i>	107.84	
23 31 13 13-0766 LF 56" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	418.84	219.46
<i>For 3" WG (Class B), Add</i>	54.87	
<i>For 4" Or 6" WG (Class A), Add</i>	117.05	
<i>For 10" WG (Class A), Add</i>	168.25	
<i>For Work In Restricted Working Space, Add</i>	109.73	
23 31 13 13-0767 LF 56" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	426.05	223.24
<i>For 3" WG (Class B), Add</i>	55.81	
<i>For 4" Or 6" WG (Class A), Add</i>	119.06	
<i>For 10" WG (Class A), Add</i>	171.15	
<i>For Work In Restricted Working Space, Add</i>	111.62	
23 31 13 13-0768 LF 56" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	433.28	227.02
<i>For 3" WG (Class B), Add</i>	56.76	
<i>For 4" Or 6" WG (Class A), Add</i>	121.08	
<i>For 10" WG (Class A), Add</i>	174.05	
<i>For Work In Restricted Working Space, Add</i>	113.51	
23 31 13 13-0769 LF 58" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	418.84	219.46
<i>For 3" WG (Class B), Add</i>	54.87	
<i>For 4" Or 6" WG (Class A), Add</i>	117.05	
<i>For 10" WG (Class A), Add</i>	168.25	
<i>For Work In Restricted Working Space, Add</i>	109.73	
23 31 13 13-0770 LF 58" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	426.05	223.24
<i>For 3" WG (Class B), Add</i>	55.81	
<i>For 4" Or 6" WG (Class A), Add</i>	119.06	
<i>For 10" WG (Class A), Add</i>	171.15	
<i>For Work In Restricted Working Space, Add</i>	111.62	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-0771	LF 58" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	433.28	227.02
			For 3" WG (Class B), Add	56.76	
			For 4" Or 6" WG (Class A), Add	121.08	
			For 10" WG (Class A), Add	174.05	
			For Work In Restricted Working Space, Add	113.51	
23 31	13	13-0772	LF 58" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	440.50	230.81
			For 3" WG (Class B), Add	57.70	
			For 4" Or 6" WG (Class A), Add	123.10	
			For 10" WG (Class A), Add	176.95	
			For Work In Restricted Working Space, Add	115.40	
23 31	13	13-0773	LF 58" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	447.72	234.59
			For 3" WG (Class B), Add	58.65	
			For 4" Or 6" WG (Class A), Add	125.12	
			For 10" WG (Class A), Add	179.86	
			For Work In Restricted Working Space, Add	117.30	
23 31	13	13-0774	LF 60" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	433.28	227.02
			For 3" WG (Class B), Add	56.76	
			For 4" Or 6" WG (Class A), Add	121.08	
			For 10" WG (Class A), Add	174.05	
			For Work In Restricted Working Space, Add	113.51	
23 31	13	13-0775	LF 60" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	440.50	230.81
			For 3" WG (Class B), Add	57.70	
			For 4" Or 6" WG (Class A), Add	123.10	
			For 10" WG (Class A), Add	176.95	
			For Work In Restricted Working Space, Add	115.40	
23 31	13	13-0776	LF 60" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	447.72	234.59
			For 3" WG (Class B), Add	58.65	
			For 4" Or 6" WG (Class A), Add	125.12	
			For 10" WG (Class A), Add	179.86	
			For Work In Restricted Working Space, Add	117.30	
23 31	13	13-0777	LF 60" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	454.95	238.37
			For 3" WG (Class B), Add	59.60	
			For 4" Or 6" WG (Class A), Add	127.14	
			For 10" WG (Class A), Add	182.76	
			For Work In Restricted Working Space, Add	119.19	
23 31	13	13-0778	LF 60" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	462.17	242.16
			For 3" WG (Class B), Add	60.54	
			For 4" Or 6" WG (Class A), Add	129.15	
			For 10" WG (Class A), Add	185.66	
			For Work In Restricted Working Space, Add	121.08	
23 31	13	13-0779	LF 62" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	447.72	234.59
			For 3" WG (Class B), Add	58.65	
			For 4" Or 6" WG (Class A), Add	125.12	
			For 10" WG (Class A), Add	179.86	
			For Work In Restricted Working Space, Add	117.30	
23 31	13	13-0780	LF 62" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	454.95	238.37
			For 3" WG (Class B), Add	59.60	
			For 4" Or 6" WG (Class A), Add	127.14	
			For 10" WG (Class A), Add	182.76	
			For Work In Restricted Working Space, Add	119.19	
23 31	13	13-0781	LF 62" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	462.17	242.16
			For 3" WG (Class B), Add	60.54	
			For 4" Or 6" WG (Class A), Add	129.15	
			For 10" WG (Class A), Add	185.66	
			For Work In Restricted Working Space, Add	121.08	
23 31	13	13-0782	LF 62" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	469.38	245.95
			For 3" WG (Class B), Add	61.49	
			For 4" Or 6" WG (Class A), Add	131.17	
			For 10" WG (Class A), Add	188.56	
			For Work In Restricted Working Space, Add	122.97	
23 31	13	13-0783	LF 62" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	476.61	249.72
			For 3" WG (Class B), Add	62.43	
			For 4" Or 6" WG (Class A), Add	133.19	
			For 10" WG (Class A), Add	191.46	
			For Work In Restricted Working Space, Add	124.86	
23 31	13	13-0784	LF 64" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	462.17	242.16
			For 3" WG (Class B), Add	60.54	
			For 4" Or 6" WG (Class A), Add	129.15	
			For 10" WG (Class A), Add	185.66	
			For Work In Restricted Working Space, Add	121.08	
23 31	13	13-0785	LF 64" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	469.38	245.95
			For 3" WG (Class B), Add	61.49	
			For 4" Or 6" WG (Class A), Add	131.17	
			For 10" WG (Class A), Add	188.56	
			For Work In Restricted Working Space, Add	122.97	
23 31	13	13-0786	LF 64" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	476.61	249.72
			For 3" WG (Class B), Add	62.43	
			For 4" Or 6" WG (Class A), Add	133.19	
			For 10" WG (Class A), Add	191.46	
			For Work In Restricted Working Space, Add	124.86	
23 31	13	13-0787	LF 64" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	483.82	253.52
			For 3" WG (Class B), Add	63.38	
			For 4" Or 6" WG (Class A), Add	135.21	
			For 10" WG (Class A), Add	194.36	
			For Work In Restricted Working Space, Add	126.76	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0788 LF 66" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	476.61	249.72
<i>For 3" WG (Class B), Add</i>	62.43	
<i>For 4" Or 6" WG (Class A), Add</i>	133.19	
<i>For 10" WG (Class A), Add</i>	191.46	
<i>For Work In Restricted Working Space, Add</i>	124.86	
23 31 13 13-0789 LF 66" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	483.82	253.52
<i>For 3" WG (Class B), Add</i>	63.38	
<i>For 4" Or 6" WG (Class A), Add</i>	135.21	
<i>For 10" WG (Class A), Add</i>	194.36	
<i>For Work In Restricted Working Space, Add</i>	126.76	
23 31 13 13-0790 LF 66" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	491.04	257.29
<i>For 3" WG (Class B), Add</i>	64.32	
<i>For 4" Or 6" WG (Class A), Add</i>	137.22	
<i>For 10" WG (Class A), Add</i>	197.26	
<i>For Work In Restricted Working Space, Add</i>	128.65	
23 31 13 13-0791 LF 66" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	498.27	261.08
<i>For 3" WG (Class B), Add</i>	65.27	
<i>For 4" Or 6" WG (Class A), Add</i>	139.24	
<i>For 10" WG (Class A), Add</i>	200.16	
<i>For Work In Restricted Working Space, Add</i>	130.54	
23 31 13 13-0792 LF 68" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	491.04	257.29
<i>For 3" WG (Class B), Add</i>	64.32	
<i>For 4" Or 6" WG (Class A), Add</i>	137.22	
<i>For 10" WG (Class A), Add</i>	197.26	
<i>For Work In Restricted Working Space, Add</i>	128.65	
23 31 13 13-0793 LF 68" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	498.27	261.08
<i>For 3" WG (Class B), Add</i>	65.27	
<i>For 4" Or 6" WG (Class A), Add</i>	139.24	
<i>For 10" WG (Class A), Add</i>	200.16	
<i>For Work In Restricted Working Space, Add</i>	130.54	
23 31 13 13-0794 LF 68" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	505.49	264.86
<i>For 3" WG (Class B), Add</i>	66.22	
<i>For 4" Or 6" WG (Class A), Add</i>	141.26	
<i>For 10" WG (Class A), Add</i>	203.06	
<i>For Work In Restricted Working Space, Add</i>	132.43	
23 31 13 13-0795 LF 68" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	512.72	268.65
<i>For 3" WG (Class B), Add</i>	67.16	
<i>For 4" Or 6" WG (Class A), Add</i>	143.28	
<i>For 10" WG (Class A), Add</i>	205.97	
<i>For Work In Restricted Working Space, Add</i>	134.33	
23 31 13 13-0796 LF 70" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	505.49	264.86
<i>For 3" WG (Class B), Add</i>	66.22	
<i>For 4" Or 6" WG (Class A), Add</i>	141.26	
<i>For 10" WG (Class A), Add</i>	203.06	
<i>For Work In Restricted Working Space, Add</i>	132.43	
23 31 13 13-0797 LF 70" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	512.72	268.65
<i>For 3" WG (Class B), Add</i>	67.16	
<i>For 4" Or 6" WG (Class A), Add</i>	143.28	
<i>For 10" WG (Class A), Add</i>	205.97	
<i>For Work In Restricted Working Space, Add</i>	134.33	
23 31 13 13-0798 LF 70" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	519.95	272.42
<i>For 3" WG (Class B), Add</i>	68.11	
<i>For 4" Or 6" WG (Class A), Add</i>	145.30	
<i>For 10" WG (Class A), Add</i>	208.87	
<i>For Work In Restricted Working Space, Add</i>	136.22	
23 31 13 13-0799 LF 70" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	527.16	276.22
<i>For 3" WG (Class B), Add</i>	69.05	
<i>For 4" Or 6" WG (Class A), Add</i>	147.32	
<i>For 10" WG (Class A), Add</i>	211.77	
<i>For Work In Restricted Working Space, Add</i>	138.11	
23 31 13 13-0800 LF 70" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	534.39	280.00
<i>For 3" WG (Class B), Add</i>	70.00	
<i>For 4" Or 6" WG (Class A), Add</i>	149.33	
<i>For 10" WG (Class A), Add</i>	214.67	
<i>For Work In Restricted Working Space, Add</i>	140.00	
23 31 13 13-0801 LF 70" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	541.58	283.78
<i>For 3" WG (Class B), Add</i>	70.94	
<i>For 4" Or 6" WG (Class A), Add</i>	151.35	
<i>For 10" WG (Class A), Add</i>	217.56	
<i>For Work In Restricted Working Space, Add</i>	141.89	
23 31 13 13-0802 LF 70" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	548.82	287.57
<i>For 3" WG (Class B), Add</i>	71.89	
<i>For 4" Or 6" WG (Class A), Add</i>	153.37	
<i>For 10" WG (Class A), Add</i>	220.47	
<i>For Work In Restricted Working Space, Add</i>	143.78	
23 31 13 13-0803 LF 70" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	556.04	291.35
<i>For 3" WG (Class B), Add</i>	72.84	
<i>For 4" Or 6" WG (Class A), Add</i>	155.39	
<i>For 10" WG (Class A), Add</i>	223.37	
<i>For Work In Restricted Working Space, Add</i>	145.67	
23 31 13 13-0804 LF 72" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	519.95	272.42
<i>For 3" WG (Class B), Add</i>	68.11	
<i>For 4" Or 6" WG (Class A), Add</i>	145.30	
<i>For 10" WG (Class A), Add</i>	208.87	
<i>For Work In Restricted Working Space, Add</i>	136.22	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0805	LF	72" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	527.16	276.22
			<i>For 3" WG (Class B), Add</i>	69.05	
			<i>For 4" Or 6" WG (Class A), Add</i>	147.32	
			<i>For 10" WG (Class A), Add</i>	211.77	
			<i>For Work In Restricted Working Space, Add</i>	138.11	
23 31 13	13-0806	LF	72" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	534.39	280.00
			<i>For 3" WG (Class B), Add</i>	70.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	149.33	
			<i>For 10" WG (Class A), Add</i>	214.67	
			<i>For Work In Restricted Working Space, Add</i>	140.00	
23 31 13	13-0807	LF	72" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	541.58	283.78
			<i>For 3" WG (Class B), Add</i>	70.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	151.35	
			<i>For 10" WG (Class A), Add</i>	217.56	
			<i>For Work In Restricted Working Space, Add</i>	141.89	
23 31 13	13-0808	LF	72" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	548.82	287.57
			<i>For 3" WG (Class B), Add</i>	71.89	
			<i>For 4" Or 6" WG (Class A), Add</i>	153.37	
			<i>For 10" WG (Class A), Add</i>	220.47	
			<i>For Work In Restricted Working Space, Add</i>	143.78	
23 31 13	13-0809	LF	72" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	556.04	291.35
			<i>For 3" WG (Class B), Add</i>	72.84	
			<i>For 4" Or 6" WG (Class A), Add</i>	155.39	
			<i>For 10" WG (Class A), Add</i>	223.37	
			<i>For Work In Restricted Working Space, Add</i>	145.67	
23 31 13	13-0810	LF	72" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	563.26	295.13
			<i>For 3" WG (Class B), Add</i>	73.78	
			<i>For 4" Or 6" WG (Class A), Add</i>	157.40	
			<i>For 10" WG (Class A), Add</i>	226.27	
			<i>For Work In Restricted Working Space, Add</i>	147.57	
23 31 13	13-0811	LF	74" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	534.39	280.00
			<i>For 3" WG (Class B), Add</i>	70.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	149.33	
			<i>For 10" WG (Class A), Add</i>	214.67	
			<i>For Work In Restricted Working Space, Add</i>	140.00	
23 31 13	13-0812	LF	74" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	541.58	283.78
			<i>For 3" WG (Class B), Add</i>	70.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	151.35	
			<i>For 10" WG (Class A), Add</i>	217.56	
			<i>For Work In Restricted Working Space, Add</i>	141.89	
23 31 13	13-0813	LF	74" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	548.82	287.57
			<i>For 3" WG (Class B), Add</i>	71.89	
			<i>For 4" Or 6" WG (Class A), Add</i>	153.37	
			<i>For 10" WG (Class A), Add</i>	220.47	
			<i>For Work In Restricted Working Space, Add</i>	143.78	
23 31 13	13-0814	LF	74" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	556.04	291.35
			<i>For 3" WG (Class B), Add</i>	72.84	
			<i>For 4" Or 6" WG (Class A), Add</i>	155.39	
			<i>For 10" WG (Class A), Add</i>	223.37	
			<i>For Work In Restricted Working Space, Add</i>	145.67	
23 31 13	13-0815	LF	74" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	563.26	295.13
			<i>For 3" WG (Class B), Add</i>	73.78	
			<i>For 4" Or 6" WG (Class A), Add</i>	157.40	
			<i>For 10" WG (Class A), Add</i>	226.27	
			<i>For Work In Restricted Working Space, Add</i>	147.57	
23 31 13	13-0816	LF	74" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	570.49	298.92
			<i>For 3" WG (Class B), Add</i>	74.73	
			<i>For 4" Or 6" WG (Class A), Add</i>	159.42	
			<i>For 10" WG (Class A), Add</i>	229.17	
			<i>For Work In Restricted Working Space, Add</i>	149.46	
23 31 13	13-0817	LF	76" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	548.82	287.57
			<i>For 3" WG (Class B), Add</i>	71.89	
			<i>For 4" Or 6" WG (Class A), Add</i>	153.37	
			<i>For 10" WG (Class A), Add</i>	220.47	
			<i>For Work In Restricted Working Space, Add</i>	143.78	
23 31 13	13-0818	LF	76" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	556.04	291.35
			<i>For 3" WG (Class B), Add</i>	72.84	
			<i>For 4" Or 6" WG (Class A), Add</i>	155.39	
			<i>For 10" WG (Class A), Add</i>	223.37	
			<i>For Work In Restricted Working Space, Add</i>	145.67	
23 31 13	13-0819	LF	76" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	563.26	295.13
			<i>For 3" WG (Class B), Add</i>	73.78	
			<i>For 4" Or 6" WG (Class A), Add</i>	157.40	
			<i>For 10" WG (Class A), Add</i>	226.27	
			<i>For Work In Restricted Working Space, Add</i>	147.57	
23 31 13	13-0820	LF	76" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	570.49	298.92
			<i>For 3" WG (Class B), Add</i>	74.73	
			<i>For 4" Or 6" WG (Class A), Add</i>	159.42	
			<i>For 10" WG (Class A), Add</i>	229.17	
			<i>For Work In Restricted Working Space, Add</i>	149.46	
23 31 13	13-0821	LF	76" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	577.69	302.70
			<i>For 3" WG (Class B), Add</i>	75.68	
			<i>For 4" Or 6" WG (Class A), Add</i>	161.44	
			<i>For 10" WG (Class A), Add</i>	232.07	
			<i>For Work In Restricted Working Space, Add</i>	151.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0822 LF 78" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	563.26	295.13
<i>For 3" WG (Class B), Add</i>	73.78	
<i>For 4" Or 6" WG (Class A), Add</i>	157.40	
<i>For 10" WG (Class A), Add</i>	226.27	
<i>For Work In Restricted Working Space, Add</i>	147.57	
23 31 13 13-0823 LF 78" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	570.49	298.92
<i>For 3" WG (Class B), Add</i>	74.73	
<i>For 4" Or 6" WG (Class A), Add</i>	159.42	
<i>For 10" WG (Class A), Add</i>	229.17	
<i>For Work In Restricted Working Space, Add</i>	149.46	
23 31 13 13-0824 LF 78" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	577.69	302.70
<i>For 3" WG (Class B), Add</i>	75.68	
<i>For 4" Or 6" WG (Class A), Add</i>	161.44	
<i>For 10" WG (Class A), Add</i>	232.07	
<i>For Work In Restricted Working Space, Add</i>	151.35	
23 31 13 13-0825 LF 78" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	584.93	306.48
<i>For 3" WG (Class B), Add</i>	76.62	
<i>For 4" Or 6" WG (Class A), Add</i>	163.46	
<i>For 10" WG (Class A), Add</i>	234.97	
<i>For Work In Restricted Working Space, Add</i>	153.24	
23 31 13 13-0826 LF 80" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	577.69	302.70
<i>For 3" WG (Class B), Add</i>	75.68	
<i>For 4" Or 6" WG (Class A), Add</i>	161.44	
<i>For 10" WG (Class A), Add</i>	232.07	
<i>For Work In Restricted Working Space, Add</i>	151.35	
23 31 13 13-0827 LF 80" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	584.93	306.48
<i>For 3" WG (Class B), Add</i>	76.62	
<i>For 4" Or 6" WG (Class A), Add</i>	163.46	
<i>For 10" WG (Class A), Add</i>	234.97	
<i>For Work In Restricted Working Space, Add</i>	153.24	
23 31 13 13-0828 LF 80" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	592.15	310.27
<i>For 3" WG (Class B), Add</i>	77.57	
<i>For 4" Or 6" WG (Class A), Add</i>	165.48	
<i>For 10" WG (Class A), Add</i>	237.87	
<i>For Work In Restricted Working Space, Add</i>	155.13	
23 31 13 13-0829 LF 82" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	592.15	310.27
<i>For 3" WG (Class B), Add</i>	77.57	
<i>For 4" Or 6" WG (Class A), Add</i>	165.48	
<i>For 10" WG (Class A), Add</i>	237.87	
<i>For Work In Restricted Working Space, Add</i>	155.13	
23 31 13 13-0830 LF 82" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	599.37	314.05
<i>For 3" WG (Class B), Add</i>	78.51	
<i>For 4" Or 6" WG (Class A), Add</i>	167.50	
<i>For 10" WG (Class A), Add</i>	240.78	
<i>For Work In Restricted Working Space, Add</i>	157.03	
23 31 13 13-0831 LF 84" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	606.59	317.83
<i>For 3" WG (Class B), Add</i>	79.46	
<i>For 4" Or 6" WG (Class A), Add</i>	169.51	
<i>For 10" WG (Class A), Add</i>	243.68	
<i>For Work In Restricted Working Space, Add</i>	158.92	
<b>23 31 13 13-0832 18 Gauge Galvanized Steel Metal Ductwork</b> <small>(23 31 13 13-0014)</small>		
23 31 13 13-0833 LF 4" x 4", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.62	19.70
<i>For 3" WG (Class B), Add</i>	4.93	
<i>For 4" Or 6" WG (Class A), Add</i>	10.51	
<i>For 10" WG (Class A), Add</i>	15.11	
<i>For Work In Restricted Working Space, Add</i>	9.86	
23 31 13 13-0834 LF 4" x 6", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.01	24.63
<i>For 3" WG (Class B), Add</i>	6.16	
<i>For 4" Or 6" WG (Class A), Add</i>	13.14	
<i>For 10" WG (Class A), Add</i>	18.88	
<i>For Work In Restricted Working Space, Add</i>	12.32	
23 31 13 13-0835 LF 4" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	56.40	29.56
<i>For 3" WG (Class B), Add</i>	7.39	
<i>For 4" Or 6" WG (Class A), Add</i>	15.76	
<i>For 10" WG (Class A), Add</i>	22.66	
<i>For Work In Restricted Working Space, Add</i>	14.78	
23 31 13 13-0836 LF 4" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.80	34.48
<i>For 3" WG (Class B), Add</i>	8.62	
<i>For 4" Or 6" WG (Class A), Add</i>	18.39	
<i>For 10" WG (Class A), Add</i>	26.44	
<i>For Work In Restricted Working Space, Add</i>	17.24	
23 31 13 13-0837 LF 4" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	75.22	39.41
<i>For 3" WG (Class B), Add</i>	9.85	
<i>For 4" Or 6" WG (Class A), Add</i>	21.02	
<i>For 10" WG (Class A), Add</i>	30.21	
<i>For Work In Restricted Working Space, Add</i>	19.70	
23 31 13 13-0838 LF 4" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	84.61	44.34
<i>For 3" WG (Class B), Add</i>	11.08	
<i>For 4" Or 6" WG (Class A), Add</i>	23.64	
<i>For 10" WG (Class A), Add</i>	33.99	
<i>For Work In Restricted Working Space, Add</i>	22.17	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 13-0839	LF	4" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	94.01		49.26
		<i>For 3" WG (Class B), Add</i>	12.32		
		<i>For 4" Or 6" WG (Class A), Add</i>	26.27		
		<i>For 10" WG (Class A), Add</i>	37.77		
		<i>For Work In Restricted Working Space, Add</i>	24.63		
23 31 13 13-0840	LF	6" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	56.40		29.56
		<i>For 3" WG (Class B), Add</i>	7.39		
		<i>For 4" Or 6" WG (Class A), Add</i>	15.76		
		<i>For 10" WG (Class A), Add</i>	22.66		
		<i>For Work In Restricted Working Space, Add</i>	14.78		
23 31 13 13-0841	LF	6" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.80		34.48
		<i>For 3" WG (Class B), Add</i>	8.62		
		<i>For 4" Or 6" WG (Class A), Add</i>	18.39		
		<i>For 10" WG (Class A), Add</i>	26.44		
		<i>For Work In Restricted Working Space, Add</i>	17.24		
23 31 13 13-0842	LF	6" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	75.22		39.41
		<i>For 3" WG (Class B), Add</i>	9.85		
		<i>For 4" Or 6" WG (Class A), Add</i>	21.02		
		<i>For 10" WG (Class A), Add</i>	30.21		
		<i>For Work In Restricted Working Space, Add</i>	19.70		
23 31 13 13-0843	LF	6" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	84.61		44.34
		<i>For 3" WG (Class B), Add</i>	11.08		
		<i>For 4" Or 6" WG (Class A), Add</i>	23.64		
		<i>For 10" WG (Class A), Add</i>	33.99		
		<i>For Work In Restricted Working Space, Add</i>	22.17		
23 31 13 13-0844	LF	6" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	94.01		49.26
		<i>For 3" WG (Class B), Add</i>	12.32		
		<i>For 4" Or 6" WG (Class A), Add</i>	26.27		
		<i>For 10" WG (Class A), Add</i>	37.77		
		<i>For Work In Restricted Working Space, Add</i>	24.63		
23 31 13 13-0845	LF	6" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	103.42		54.19
		<i>For 3" WG (Class B), Add</i>	13.55		
		<i>For 4" Or 6" WG (Class A), Add</i>	28.90		
		<i>For 10" WG (Class A), Add</i>	41.55		
		<i>For Work In Restricted Working Space, Add</i>	27.10		
23 31 13 13-0846	LF	8" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	75.22		39.41
		<i>For 3" WG (Class B), Add</i>	9.85		
		<i>For 4" Or 6" WG (Class A), Add</i>	21.02		
		<i>For 10" WG (Class A), Add</i>	30.21		
		<i>For Work In Restricted Working Space, Add</i>	19.70		
23 31 13 13-0847	LF	8" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	84.61		44.34
		<i>For 3" WG (Class B), Add</i>	11.08		
		<i>For 4" Or 6" WG (Class A), Add</i>	23.64		
		<i>For 10" WG (Class A), Add</i>	33.99		
		<i>For Work In Restricted Working Space, Add</i>	22.17		
23 31 13 13-0848	LF	8" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	94.01		49.26
		<i>For 3" WG (Class B), Add</i>	12.32		
		<i>For 4" Or 6" WG (Class A), Add</i>	26.27		
		<i>For 10" WG (Class A), Add</i>	37.77		
		<i>For Work In Restricted Working Space, Add</i>	24.63		
23 31 13 13-0849	LF	8" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	103.42		54.19
		<i>For 3" WG (Class B), Add</i>	13.55		
		<i>For 4" Or 6" WG (Class A), Add</i>	28.90		
		<i>For 10" WG (Class A), Add</i>	41.55		
		<i>For Work In Restricted Working Space, Add</i>	27.10		
23 31 13 13-0850	LF	8" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	112.82		59.11
		<i>For 3" WG (Class B), Add</i>	14.78		
		<i>For 4" Or 6" WG (Class A), Add</i>	31.53		
		<i>For 10" WG (Class A), Add</i>	45.32		
		<i>For Work In Restricted Working Space, Add</i>	29.56		
23 31 13 13-0851	LF	8" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.22		64.03
		<i>For 3" WG (Class B), Add</i>	16.01		
		<i>For 4" Or 6" WG (Class A), Add</i>	34.15		
		<i>For 10" WG (Class A), Add</i>	49.10		
		<i>For Work In Restricted Working Space, Add</i>	32.02		
23 31 13 13-0852	LF	8" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.62		68.97
		<i>For 3" WG (Class B), Add</i>	17.24		
		<i>For 4" Or 6" WG (Class A), Add</i>	36.78		
		<i>For 10" WG (Class A), Add</i>	52.87		
		<i>For Work In Restricted Working Space, Add</i>	34.48		
23 31 13 13-0853	LF	8" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.03		73.89
		<i>For 3" WG (Class B), Add</i>	18.47		
		<i>For 4" Or 6" WG (Class A), Add</i>	39.41		
		<i>For 10" WG (Class A), Add</i>	56.65		
		<i>For Work In Restricted Working Space, Add</i>	36.95		
23 31 13 13-0854	LF	8" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	150.42		78.82
		<i>For 3" WG (Class B), Add</i>	19.70		
		<i>For 4" Or 6" WG (Class A), Add</i>	42.04		
		<i>For 10" WG (Class A), Add</i>	60.43		
		<i>For Work In Restricted Working Space, Add</i>	39.41		
23 31 13 13-0855	LF	10" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	94.01		49.26
		<i>For 3" WG (Class B), Add</i>	12.32		
		<i>For 4" Or 6" WG (Class A), Add</i>	26.27		
		<i>For 10" WG (Class A), Add</i>	37.77		
		<i>For Work In Restricted Working Space, Add</i>	24.63		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0856 LF 10" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	103.42	54.19
<i>For 3" WG (Class B), Add</i>	13.55	
<i>For 4" Or 6" WG (Class A), Add</i>	28.90	
<i>For 10" WG (Class A), Add</i>	41.55	
<i>For Work In Restricted Working Space, Add</i>	27.10	
23 31 13 13-0857 LF 10" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	112.82	59.11
<i>For 3" WG (Class B), Add</i>	14.78	
<i>For 4" Or 6" WG (Class A), Add</i>	31.53	
<i>For 10" WG (Class A), Add</i>	45.32	
<i>For Work In Restricted Working Space, Add</i>	29.56	
23 31 13 13-0858 LF 10" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.22	64.03
<i>For 3" WG (Class B), Add</i>	16.01	
<i>For 4" Or 6" WG (Class A), Add</i>	34.15	
<i>For 10" WG (Class A), Add</i>	49.10	
<i>For Work In Restricted Working Space, Add</i>	32.02	
23 31 13 13-0859 LF 10" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.62	68.97
<i>For 3" WG (Class B), Add</i>	17.24	
<i>For 4" Or 6" WG (Class A), Add</i>	36.78	
<i>For 10" WG (Class A), Add</i>	52.87	
<i>For Work In Restricted Working Space, Add</i>	34.48	
23 31 13 13-0860 LF 10" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.03	73.89
<i>For 3" WG (Class B), Add</i>	18.47	
<i>For 4" Or 6" WG (Class A), Add</i>	39.41	
<i>For 10" WG (Class A), Add</i>	56.65	
<i>For Work In Restricted Working Space, Add</i>	36.95	
23 31 13 13-0861 LF 10" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	150.42	78.82
<i>For 3" WG (Class B), Add</i>	19.70	
<i>For 4" Or 6" WG (Class A), Add</i>	42.04	
<i>For 10" WG (Class A), Add</i>	60.43	
<i>For Work In Restricted Working Space, Add</i>	39.41	
23 31 13 13-0862 LF 10" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.82	83.75
<i>For 3" WG (Class B), Add</i>	20.94	
<i>For 4" Or 6" WG (Class A), Add</i>	44.67	
<i>For 10" WG (Class A), Add</i>	64.21	
<i>For Work In Restricted Working Space, Add</i>	41.87	
23 31 13 13-0863 LF 10" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	169.23	88.67
<i>For 3" WG (Class B), Add</i>	22.17	
<i>For 4" Or 6" WG (Class A), Add</i>	47.29	
<i>For 10" WG (Class A), Add</i>	67.98	
<i>For Work In Restricted Working Space, Add</i>	44.33	
23 31 13 13-0864 LF 10" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	178.64	93.60
<i>For 3" WG (Class B), Add</i>	23.40	
<i>For 4" Or 6" WG (Class A), Add</i>	49.92	
<i>For 10" WG (Class A), Add</i>	71.76	
<i>For Work In Restricted Working Space, Add</i>	46.80	
23 31 13 13-0865 LF 10" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	188.04	98.53
<i>For 3" WG (Class B), Add</i>	24.63	
<i>For 4" Or 6" WG (Class A), Add</i>	52.55	
<i>For 10" WG (Class A), Add</i>	75.54	
<i>For Work In Restricted Working Space, Add</i>	49.26	
23 31 13 13-0866 LF 10" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	197.42	103.45
<i>For 3" WG (Class B), Add</i>	25.86	
<i>For 4" Or 6" WG (Class A), Add</i>	55.17	
<i>For 10" WG (Class A), Add</i>	79.31	
<i>For Work In Restricted Working Space, Add</i>	51.72	
23 31 13 13-0867 LF 12" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	112.82	59.11
<i>For 3" WG (Class B), Add</i>	14.78	
<i>For 4" Or 6" WG (Class A), Add</i>	31.53	
<i>For 10" WG (Class A), Add</i>	45.32	
<i>For Work In Restricted Working Space, Add</i>	29.56	
23 31 13 13-0868 LF 12" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.22	64.03
<i>For 3" WG (Class B), Add</i>	16.01	
<i>For 4" Or 6" WG (Class A), Add</i>	34.15	
<i>For 10" WG (Class A), Add</i>	49.10	
<i>For Work In Restricted Working Space, Add</i>	32.02	
23 31 13 13-0869 LF 12" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.62	68.97
<i>For 3" WG (Class B), Add</i>	17.24	
<i>For 4" Or 6" WG (Class A), Add</i>	36.78	
<i>For 10" WG (Class A), Add</i>	52.87	
<i>For Work In Restricted Working Space, Add</i>	34.48	
23 31 13 13-0870 LF 12" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.03	73.89
<i>For 3" WG (Class B), Add</i>	18.47	
<i>For 4" Or 6" WG (Class A), Add</i>	39.41	
<i>For 10" WG (Class A), Add</i>	56.65	
<i>For Work In Restricted Working Space, Add</i>	36.95	
23 31 13 13-0871 LF 12" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	150.42	78.82
<i>For 3" WG (Class B), Add</i>	19.70	
<i>For 4" Or 6" WG (Class A), Add</i>	42.04	
<i>For 10" WG (Class A), Add</i>	60.43	
<i>For Work In Restricted Working Space, Add</i>	39.41	
23 31 13 13-0872 LF 12" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.82	83.75
<i>For 3" WG (Class B), Add</i>	20.94	
<i>For 4" Or 6" WG (Class A), Add</i>	44.67	
<i>For 10" WG (Class A), Add</i>	64.21	
<i>For Work In Restricted Working Space, Add</i>	41.87	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0873	LF	12" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	169.23	88.67
			<i>For 3" WG (Class B), Add</i>	22.17	
			<i>For 4" Or 6" WG (Class A), Add</i>	47.29	
			<i>For 10" WG (Class A), Add</i>	67.98	
			<i>For Work In Restricted Working Space, Add</i>	44.33	
23 31 13	13-0874	LF	12" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	178.64	93.60
			<i>For 3" WG (Class B), Add</i>	23.40	
			<i>For 4" Or 6" WG (Class A), Add</i>	49.92	
			<i>For 10" WG (Class A), Add</i>	71.76	
			<i>For Work In Restricted Working Space, Add</i>	46.80	
23 31 13	13-0875	LF	12" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	188.04	98.53
			<i>For 3" WG (Class B), Add</i>	24.63	
			<i>For 4" Or 6" WG (Class A), Add</i>	52.55	
			<i>For 10" WG (Class A), Add</i>	75.54	
			<i>For Work In Restricted Working Space, Add</i>	49.26	
23 31 13	13-0876	LF	12" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	197.42	103.45
			<i>For 3" WG (Class B), Add</i>	25.86	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.17	
			<i>For 10" WG (Class A), Add</i>	79.31	
			<i>For Work In Restricted Working Space, Add</i>	51.72	
23 31 13	13-0877	LF	12" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	206.82	108.38
			<i>For 3" WG (Class B), Add</i>	27.09	
			<i>For 4" Or 6" WG (Class A), Add</i>	57.80	
			<i>For 10" WG (Class A), Add</i>	83.09	
			<i>For Work In Restricted Working Space, Add</i>	54.19	
23 31 13	13-0878	LF	12" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	216.25	113.30
			<i>For 3" WG (Class B), Add</i>	28.33	
			<i>For 4" Or 6" WG (Class A), Add</i>	60.43	
			<i>For 10" WG (Class A), Add</i>	86.87	
			<i>For Work In Restricted Working Space, Add</i>	56.65	
23 31 13	13-0879	LF	12" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	225.64	118.22
			<i>For 3" WG (Class B), Add</i>	29.56	
			<i>For 4" Or 6" WG (Class A), Add</i>	63.06	
			<i>For 10" WG (Class A), Add</i>	90.64	
			<i>For Work In Restricted Working Space, Add</i>	59.12	
23 31 13	13-0880	LF	14" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.62	68.97
			<i>For 3" WG (Class B), Add</i>	17.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	36.78	
			<i>For 10" WG (Class A), Add</i>	52.87	
			<i>For Work In Restricted Working Space, Add</i>	34.48	
23 31 13	13-0881	LF	14" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.03	73.89
			<i>For 3" WG (Class B), Add</i>	18.47	
			<i>For 4" Or 6" WG (Class A), Add</i>	39.41	
			<i>For 10" WG (Class A), Add</i>	56.65	
			<i>For Work In Restricted Working Space, Add</i>	36.95	
23 31 13	13-0882	LF	14" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	150.42	78.82
			<i>For 3" WG (Class B), Add</i>	19.70	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.04	
			<i>For 10" WG (Class A), Add</i>	60.43	
			<i>For Work In Restricted Working Space, Add</i>	39.41	
23 31 13	13-0883	LF	14" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.82	83.75
			<i>For 3" WG (Class B), Add</i>	20.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	44.67	
			<i>For 10" WG (Class A), Add</i>	64.21	
			<i>For Work In Restricted Working Space, Add</i>	41.87	
23 31 13	13-0884	LF	14" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	169.23	88.67
			<i>For 3" WG (Class B), Add</i>	22.17	
			<i>For 4" Or 6" WG (Class A), Add</i>	47.29	
			<i>For 10" WG (Class A), Add</i>	67.98	
			<i>For Work In Restricted Working Space, Add</i>	44.33	
23 31 13	13-0885	LF	14" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	178.64	93.60
			<i>For 3" WG (Class B), Add</i>	23.40	
			<i>For 4" Or 6" WG (Class A), Add</i>	49.92	
			<i>For 10" WG (Class A), Add</i>	71.76	
			<i>For Work In Restricted Working Space, Add</i>	46.80	
23 31 13	13-0886	LF	14" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	188.04	98.53
			<i>For 3" WG (Class B), Add</i>	24.63	
			<i>For 4" Or 6" WG (Class A), Add</i>	52.55	
			<i>For 10" WG (Class A), Add</i>	75.54	
			<i>For Work In Restricted Working Space, Add</i>	49.26	
23 31 13	13-0887	LF	14" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	197.42	103.45
			<i>For 3" WG (Class B), Add</i>	25.86	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.17	
			<i>For 10" WG (Class A), Add</i>	79.31	
			<i>For Work In Restricted Working Space, Add</i>	51.72	
23 31 13	13-0888	LF	14" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	206.82	108.38
			<i>For 3" WG (Class B), Add</i>	27.09	
			<i>For 4" Or 6" WG (Class A), Add</i>	57.80	
			<i>For 10" WG (Class A), Add</i>	83.09	
			<i>For Work In Restricted Working Space, Add</i>	54.19	
23 31 13	13-0889	LF	14" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	216.25	113.30
			<i>For 3" WG (Class B), Add</i>	28.33	
			<i>For 4" Or 6" WG (Class A), Add</i>	60.43	
			<i>For 10" WG (Class A), Add</i>	86.87	
			<i>For Work In Restricted Working Space, Add</i>	56.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0890 LF 14" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	225.64	118.22
<i>For 3" WG (Class B), Add</i>	29.56	
<i>For 4" Or 6" WG (Class A), Add</i>	63.06	
<i>For 10" WG (Class A), Add</i>	90.64	
<i>For Work In Restricted Working Space, Add</i>	59.12	
23 31 13 13-0891 LF 14" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	235.04	123.16
<i>For 3" WG (Class B), Add</i>	30.79	
<i>For 4" Or 6" WG (Class A), Add</i>	65.68	
<i>For 10" WG (Class A), Add</i>	94.42	
<i>For Work In Restricted Working Space, Add</i>	61.58	
23 31 13 13-0892 LF 16" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	150.42	78.82
<i>For 3" WG (Class B), Add</i>	19.70	
<i>For 4" Or 6" WG (Class A), Add</i>	42.04	
<i>For 10" WG (Class A), Add</i>	60.43	
<i>For Work In Restricted Working Space, Add</i>	39.41	
23 31 13 13-0893 LF 16" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.82	83.75
<i>For 3" WG (Class B), Add</i>	20.94	
<i>For 4" Or 6" WG (Class A), Add</i>	44.67	
<i>For 10" WG (Class A), Add</i>	64.21	
<i>For Work In Restricted Working Space, Add</i>	41.87	
23 31 13 13-0894 LF 16" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	169.23	88.67
<i>For 3" WG (Class B), Add</i>	22.17	
<i>For 4" Or 6" WG (Class A), Add</i>	47.29	
<i>For 10" WG (Class A), Add</i>	67.98	
<i>For Work In Restricted Working Space, Add</i>	44.33	
23 31 13 13-0895 LF 16" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	178.64	93.60
<i>For 3" WG (Class B), Add</i>	23.40	
<i>For 4" Or 6" WG (Class A), Add</i>	49.92	
<i>For 10" WG (Class A), Add</i>	71.76	
<i>For Work In Restricted Working Space, Add</i>	46.80	
23 31 13 13-0896 LF 16" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	188.04	98.53
<i>For 3" WG (Class B), Add</i>	24.63	
<i>For 4" Or 6" WG (Class A), Add</i>	52.55	
<i>For 10" WG (Class A), Add</i>	75.54	
<i>For Work In Restricted Working Space, Add</i>	49.26	
23 31 13 13-0897 LF 16" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	197.42	103.45
<i>For 3" WG (Class B), Add</i>	25.86	
<i>For 4" Or 6" WG (Class A), Add</i>	55.17	
<i>For 10" WG (Class A), Add</i>	79.31	
<i>For Work In Restricted Working Space, Add</i>	51.72	
23 31 13 13-0898 LF 16" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	206.82	108.38
<i>For 3" WG (Class B), Add</i>	27.09	
<i>For 4" Or 6" WG (Class A), Add</i>	57.80	
<i>For 10" WG (Class A), Add</i>	83.09	
<i>For Work In Restricted Working Space, Add</i>	54.19	
23 31 13 13-0899 LF 16" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	216.25	113.30
<i>For 3" WG (Class B), Add</i>	28.33	
<i>For 4" Or 6" WG (Class A), Add</i>	60.43	
<i>For 10" WG (Class A), Add</i>	86.87	
<i>For Work In Restricted Working Space, Add</i>	56.65	
23 31 13 13-0900 LF 16" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	225.64	118.22
<i>For 3" WG (Class B), Add</i>	29.56	
<i>For 4" Or 6" WG (Class A), Add</i>	63.06	
<i>For 10" WG (Class A), Add</i>	90.64	
<i>For Work In Restricted Working Space, Add</i>	59.12	
23 31 13 13-0901 LF 16" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	235.04	123.16
<i>For 3" WG (Class B), Add</i>	30.79	
<i>For 4" Or 6" WG (Class A), Add</i>	65.68	
<i>For 10" WG (Class A), Add</i>	94.42	
<i>For Work In Restricted Working Space, Add</i>	61.58	
23 31 13 13-0902 LF 16" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	244.44	128.08
<i>For 3" WG (Class B), Add</i>	32.02	
<i>For 4" Or 6" WG (Class A), Add</i>	68.31	
<i>For 10" WG (Class A), Add</i>	98.20	
<i>For Work In Restricted Working Space, Add</i>	64.04	
23 31 13 13-0903 LF 16" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.84	133.00
<i>For 3" WG (Class B), Add</i>	33.25	
<i>For 4" Or 6" WG (Class A), Add</i>	70.94	
<i>For 10" WG (Class A), Add</i>	101.97	
<i>For Work In Restricted Working Space, Add</i>	66.50	
23 31 13 13-0904 LF 16" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	263.25	137.94
<i>For 3" WG (Class B), Add</i>	34.48	
<i>For 4" Or 6" WG (Class A), Add</i>	73.56	
<i>For 10" WG (Class A), Add</i>	105.75	
<i>For Work In Restricted Working Space, Add</i>	68.97	
23 31 13 13-0905 LF 16" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	272.65	142.86
<i>For 3" WG (Class B), Add</i>	35.72	
<i>For 4" Or 6" WG (Class A), Add</i>	76.19	
<i>For 10" WG (Class A), Add</i>	109.53	
<i>For Work In Restricted Working Space, Add</i>	71.43	
23 31 13 13-0906 LF 16" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	282.05	147.78
<i>For 3" WG (Class B), Add</i>	36.95	
<i>For 4" Or 6" WG (Class A), Add</i>	78.82	
<i>For 10" WG (Class A), Add</i>	113.30	
<i>For Work In Restricted Working Space, Add</i>	73.89	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0907	LF	18" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	169.23	88.67
			<i>For 3" WG (Class B), Add</i>	22.17	
			<i>For 4" Or 6" WG (Class A), Add</i>	47.29	
			<i>For 10" WG (Class A), Add</i>	67.98	
			<i>For Work In Restricted Working Space, Add</i>	44.33	
23 31 13	13-0908	LF	18" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	178.64	93.60
			<i>For 3" WG (Class B), Add</i>	23.40	
			<i>For 4" Or 6" WG (Class A), Add</i>	49.92	
			<i>For 10" WG (Class A), Add</i>	71.76	
			<i>For Work In Restricted Working Space, Add</i>	46.80	
23 31 13	13-0909	LF	18" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	188.04	98.53
			<i>For 3" WG (Class B), Add</i>	24.63	
			<i>For 4" Or 6" WG (Class A), Add</i>	52.55	
			<i>For 10" WG (Class A), Add</i>	75.54	
			<i>For Work In Restricted Working Space, Add</i>	49.26	
23 31 13	13-0910	LF	18" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	197.42	103.45
			<i>For 3" WG (Class B), Add</i>	25.86	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.17	
			<i>For 10" WG (Class A), Add</i>	79.31	
			<i>For Work In Restricted Working Space, Add</i>	51.72	
23 31 13	13-0911	LF	18" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	206.82	108.38
			<i>For 3" WG (Class B), Add</i>	27.09	
			<i>For 4" Or 6" WG (Class A), Add</i>	57.80	
			<i>For 10" WG (Class A), Add</i>	83.09	
			<i>For Work In Restricted Working Space, Add</i>	54.19	
23 31 13	13-0912	LF	18" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	216.25	113.30
			<i>For 3" WG (Class B), Add</i>	28.33	
			<i>For 4" Or 6" WG (Class A), Add</i>	60.43	
			<i>For 10" WG (Class A), Add</i>	86.87	
			<i>For Work In Restricted Working Space, Add</i>	56.65	
23 31 13	13-0913	LF	18" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	225.64	118.22
			<i>For 3" WG (Class B), Add</i>	29.56	
			<i>For 4" Or 6" WG (Class A), Add</i>	63.06	
			<i>For 10" WG (Class A), Add</i>	90.64	
			<i>For Work In Restricted Working Space, Add</i>	59.12	
23 31 13	13-0914	LF	18" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	235.04	123.16
			<i>For 3" WG (Class B), Add</i>	30.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	65.68	
			<i>For 10" WG (Class A), Add</i>	94.42	
			<i>For Work In Restricted Working Space, Add</i>	61.58	
23 31 13	13-0915	LF	18" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	244.44	128.08
			<i>For 3" WG (Class B), Add</i>	32.02	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.31	
			<i>For 10" WG (Class A), Add</i>	98.20	
			<i>For Work In Restricted Working Space, Add</i>	64.04	
23 31 13	13-0916	LF	18" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.84	133.00
			<i>For 3" WG (Class B), Add</i>	33.25	
			<i>For 4" Or 6" WG (Class A), Add</i>	70.94	
			<i>For 10" WG (Class A), Add</i>	101.97	
			<i>For Work In Restricted Working Space, Add</i>	66.50	
23 31 13	13-0917	LF	18" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	263.25	137.94
			<i>For 3" WG (Class B), Add</i>	34.48	
			<i>For 4" Or 6" WG (Class A), Add</i>	73.56	
			<i>For 10" WG (Class A), Add</i>	105.75	
			<i>For Work In Restricted Working Space, Add</i>	68.97	
23 31 13	13-0918	LF	18" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	272.65	142.86
			<i>For 3" WG (Class B), Add</i>	35.72	
			<i>For 4" Or 6" WG (Class A), Add</i>	76.19	
			<i>For 10" WG (Class A), Add</i>	109.53	
			<i>For Work In Restricted Working Space, Add</i>	71.43	
23 31 13	13-0919	LF	18" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	282.05	147.78
			<i>For 3" WG (Class B), Add</i>	36.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	78.82	
			<i>For 10" WG (Class A), Add</i>	113.30	
			<i>For Work In Restricted Working Space, Add</i>	73.89	
23 31 13	13-0920	LF	18" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	291.46	152.72
			<i>For 3" WG (Class B), Add</i>	38.18	
			<i>For 4" Or 6" WG (Class A), Add</i>	81.45	
			<i>For 10" WG (Class A), Add</i>	117.08	
			<i>For Work In Restricted Working Space, Add</i>	76.36	
23 31 13	13-0921	LF	18" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	300.86	157.64
			<i>For 3" WG (Class B), Add</i>	39.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	84.07	
			<i>For 10" WG (Class A), Add</i>	120.86	
			<i>For Work In Restricted Working Space, Add</i>	78.82	
23 31 13	13-0922	LF	20" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	188.04	98.53
			<i>For 3" WG (Class B), Add</i>	24.63	
			<i>For 4" Or 6" WG (Class A), Add</i>	52.55	
			<i>For 10" WG (Class A), Add</i>	75.54	
			<i>For Work In Restricted Working Space, Add</i>	49.26	
23 31 13	13-0923	LF	20" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	197.42	103.45
			<i>For 3" WG (Class B), Add</i>	25.86	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.17	
			<i>For 10" WG (Class A), Add</i>	79.31	
			<i>For Work In Restricted Working Space, Add</i>	51.72	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0924 LF 20" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	206.82	108.38
<i>For 3" WG (Class B), Add</i>	27.09	
<i>For 4" Or 6" WG (Class A), Add</i>	57.80	
<i>For 10" WG (Class A), Add</i>	83.09	
<i>For Work In Restricted Working Space, Add</i>	54.19	
23 31 13 13-0925 LF 20" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	216.25	113.30
<i>For 3" WG (Class B), Add</i>	28.33	
<i>For 4" Or 6" WG (Class A), Add</i>	60.43	
<i>For 10" WG (Class A), Add</i>	86.87	
<i>For Work In Restricted Working Space, Add</i>	56.65	
23 31 13 13-0926 LF 20" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	225.64	118.22
<i>For 3" WG (Class B), Add</i>	29.56	
<i>For 4" Or 6" WG (Class A), Add</i>	63.06	
<i>For 10" WG (Class A), Add</i>	90.64	
<i>For Work In Restricted Working Space, Add</i>	59.12	
23 31 13 13-0927 LF 20" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	235.04	123.16
<i>For 3" WG (Class B), Add</i>	30.79	
<i>For 4" Or 6" WG (Class A), Add</i>	65.68	
<i>For 10" WG (Class A), Add</i>	94.42	
<i>For Work In Restricted Working Space, Add</i>	61.58	
23 31 13 13-0928 LF 20" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	244.44	128.08
<i>For 3" WG (Class B), Add</i>	32.02	
<i>For 4" Or 6" WG (Class A), Add</i>	68.31	
<i>For 10" WG (Class A), Add</i>	98.20	
<i>For Work In Restricted Working Space, Add</i>	64.04	
23 31 13 13-0929 LF 20" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.84	133.00
<i>For 3" WG (Class B), Add</i>	33.25	
<i>For 4" Or 6" WG (Class A), Add</i>	70.94	
<i>For 10" WG (Class A), Add</i>	101.97	
<i>For Work In Restricted Working Space, Add</i>	66.50	
23 31 13 13-0930 LF 20" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	263.25	137.94
<i>For 3" WG (Class B), Add</i>	34.48	
<i>For 4" Or 6" WG (Class A), Add</i>	73.56	
<i>For 10" WG (Class A), Add</i>	105.75	
<i>For Work In Restricted Working Space, Add</i>	68.97	
23 31 13 13-0931 LF 20" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	272.65	142.86
<i>For 3" WG (Class B), Add</i>	35.72	
<i>For 4" Or 6" WG (Class A), Add</i>	76.19	
<i>For 10" WG (Class A), Add</i>	109.53	
<i>For Work In Restricted Working Space, Add</i>	71.43	
23 31 13 13-0932 LF 20" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	282.05	147.78
<i>For 3" WG (Class B), Add</i>	36.95	
<i>For 4" Or 6" WG (Class A), Add</i>	78.82	
<i>For 10" WG (Class A), Add</i>	113.30	
<i>For Work In Restricted Working Space, Add</i>	73.89	
23 31 13 13-0933 LF 20" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	291.46	152.72
<i>For 3" WG (Class B), Add</i>	38.18	
<i>For 4" Or 6" WG (Class A), Add</i>	81.45	
<i>For 10" WG (Class A), Add</i>	117.08	
<i>For Work In Restricted Working Space, Add</i>	76.36	
23 31 13 13-0934 LF 20" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	300.86	157.64
<i>For 3" WG (Class B), Add</i>	39.41	
<i>For 4" Or 6" WG (Class A), Add</i>	84.07	
<i>For 10" WG (Class A), Add</i>	120.86	
<i>For Work In Restricted Working Space, Add</i>	78.82	
23 31 13 13-0935 LF 20" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	310.26	162.56
<i>For 3" WG (Class B), Add</i>	40.64	
<i>For 4" Or 6" WG (Class A), Add</i>	86.70	
<i>For 10" WG (Class A), Add</i>	124.63	
<i>For Work In Restricted Working Space, Add</i>	81.28	
23 31 13 13-0936 LF 20" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	319.66	167.49
<i>For 3" WG (Class B), Add</i>	41.87	
<i>For 4" Or 6" WG (Class A), Add</i>	89.33	
<i>For 10" WG (Class A), Add</i>	128.41	
<i>For Work In Restricted Working Space, Add</i>	83.75	
23 31 13 13-0937 LF 22" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	206.82	108.38
<i>For 3" WG (Class B), Add</i>	27.09	
<i>For 4" Or 6" WG (Class A), Add</i>	57.80	
<i>For 10" WG (Class A), Add</i>	83.09	
<i>For Work In Restricted Working Space, Add</i>	54.19	
23 31 13 13-0938 LF 22" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	216.25	113.30
<i>For 3" WG (Class B), Add</i>	28.33	
<i>For 4" Or 6" WG (Class A), Add</i>	60.43	
<i>For 10" WG (Class A), Add</i>	86.87	
<i>For Work In Restricted Working Space, Add</i>	56.65	
23 31 13 13-0939 LF 22" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	225.64	118.22
<i>For 3" WG (Class B), Add</i>	29.56	
<i>For 4" Or 6" WG (Class A), Add</i>	63.06	
<i>For 10" WG (Class A), Add</i>	90.64	
<i>For Work In Restricted Working Space, Add</i>	59.12	
23 31 13 13-0940 LF 22" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	235.04	123.16
<i>For 3" WG (Class B), Add</i>	30.79	
<i>For 4" Or 6" WG (Class A), Add</i>	65.68	
<i>For 10" WG (Class A), Add</i>	94.42	
<i>For Work In Restricted Working Space, Add</i>	61.58	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0941	LF	22" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	244.44	128.08
			<i>For 3" WG (Class B), Add</i>	32.02	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.31	
			<i>For 10" WG (Class A), Add</i>	98.20	
			<i>For Work In Restricted Working Space, Add</i>	64.04	
23 31	13 13-0942	LF	22" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.84	133.00
			<i>For 3" WG (Class B), Add</i>	33.25	
			<i>For 4" Or 6" WG (Class A), Add</i>	70.94	
			<i>For 10" WG (Class A), Add</i>	101.97	
			<i>For Work In Restricted Working Space, Add</i>	66.50	
23 31	13 13-0943	LF	22" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	263.25	137.94
			<i>For 3" WG (Class B), Add</i>	34.48	
			<i>For 4" Or 6" WG (Class A), Add</i>	73.56	
			<i>For 10" WG (Class A), Add</i>	105.75	
			<i>For Work In Restricted Working Space, Add</i>	68.97	
23 31	13 13-0944	LF	22" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	272.65	142.86
			<i>For 3" WG (Class B), Add</i>	35.72	
			<i>For 4" Or 6" WG (Class A), Add</i>	76.19	
			<i>For 10" WG (Class A), Add</i>	109.53	
			<i>For Work In Restricted Working Space, Add</i>	71.43	
23 31	13 13-0945	LF	22" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	282.05	147.78
			<i>For 3" WG (Class B), Add</i>	36.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	78.82	
			<i>For 10" WG (Class A), Add</i>	113.30	
			<i>For Work In Restricted Working Space, Add</i>	73.89	
23 31	13 13-0946	LF	22" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	291.46	152.72
			<i>For 3" WG (Class B), Add</i>	38.18	
			<i>For 4" Or 6" WG (Class A), Add</i>	81.45	
			<i>For 10" WG (Class A), Add</i>	117.08	
			<i>For Work In Restricted Working Space, Add</i>	76.36	
23 31	13 13-0947	LF	22" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	300.86	157.64
			<i>For 3" WG (Class B), Add</i>	39.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	84.07	
			<i>For 10" WG (Class A), Add</i>	120.86	
			<i>For Work In Restricted Working Space, Add</i>	78.82	
23 31	13 13-0948	LF	22" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	310.26	162.56
			<i>For 3" WG (Class B), Add</i>	40.64	
			<i>For 4" Or 6" WG (Class A), Add</i>	86.70	
			<i>For 10" WG (Class A), Add</i>	124.63	
			<i>For Work In Restricted Working Space, Add</i>	81.28	
23 31	13 13-0949	LF	22" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	319.66	167.49
			<i>For 3" WG (Class B), Add</i>	41.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	89.33	
			<i>For 10" WG (Class A), Add</i>	128.41	
			<i>For Work In Restricted Working Space, Add</i>	83.75	
23 31	13 13-0950	LF	22" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	329.05	172.41
			<i>For 3" WG (Class B), Add</i>	43.10	
			<i>For 4" Or 6" WG (Class A), Add</i>	91.96	
			<i>For 10" WG (Class A), Add</i>	132.19	
			<i>For Work In Restricted Working Space, Add</i>	86.21	
23 31	13 13-0951	LF	24" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	225.64	118.22
			<i>For 3" WG (Class B), Add</i>	29.56	
			<i>For 4" Or 6" WG (Class A), Add</i>	63.06	
			<i>For 10" WG (Class A), Add</i>	90.64	
			<i>For Work In Restricted Working Space, Add</i>	59.12	
23 31	13 13-0952	LF	24" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	235.04	123.16
			<i>For 3" WG (Class B), Add</i>	30.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	65.68	
			<i>For 10" WG (Class A), Add</i>	94.42	
			<i>For Work In Restricted Working Space, Add</i>	61.58	
23 31	13 13-0953	LF	24" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	244.44	128.08
			<i>For 3" WG (Class B), Add</i>	32.02	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.31	
			<i>For 10" WG (Class A), Add</i>	98.20	
			<i>For Work In Restricted Working Space, Add</i>	64.04	
23 31	13 13-0954	LF	24" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.84	133.00
			<i>For 3" WG (Class B), Add</i>	33.25	
			<i>For 4" Or 6" WG (Class A), Add</i>	70.94	
			<i>For 10" WG (Class A), Add</i>	101.97	
			<i>For Work In Restricted Working Space, Add</i>	66.50	
23 31	13 13-0955	LF	24" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	263.25	137.94
			<i>For 3" WG (Class B), Add</i>	34.48	
			<i>For 4" Or 6" WG (Class A), Add</i>	73.56	
			<i>For 10" WG (Class A), Add</i>	105.75	
			<i>For Work In Restricted Working Space, Add</i>	68.97	
23 31	13 13-0956	LF	24" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	272.65	142.86
			<i>For 3" WG (Class B), Add</i>	35.72	
			<i>For 4" Or 6" WG (Class A), Add</i>	76.19	
			<i>For 10" WG (Class A), Add</i>	109.53	
			<i>For Work In Restricted Working Space, Add</i>	71.43	
23 31	13 13-0957	LF	24" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	282.05	147.78
			<i>For 3" WG (Class B), Add</i>	36.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	78.82	
			<i>For 10" WG (Class A), Add</i>	113.30	
			<i>For Work In Restricted Working Space, Add</i>	73.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0958 LF 24" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	291.46	152.72
<i>For 3" WG (Class B), Add</i>	38.18	
<i>For 4" Or 6" WG (Class A), Add</i>	81.45	
<i>For 10" WG (Class A), Add</i>	117.08	
<i>For Work In Restricted Working Space, Add</i>	76.36	
23 31 13 13-0959 LF 24" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	300.86	157.64
<i>For 3" WG (Class B), Add</i>	39.41	
<i>For 4" Or 6" WG (Class A), Add</i>	84.07	
<i>For 10" WG (Class A), Add</i>	120.86	
<i>For Work In Restricted Working Space, Add</i>	78.82	
23 31 13 13-0960 LF 24" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	310.26	162.56
<i>For 3" WG (Class B), Add</i>	40.64	
<i>For 4" Or 6" WG (Class A), Add</i>	86.70	
<i>For 10" WG (Class A), Add</i>	124.63	
<i>For Work In Restricted Working Space, Add</i>	81.28	
23 31 13 13-0961 LF 24" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	319.66	167.49
<i>For 3" WG (Class B), Add</i>	41.87	
<i>For 4" Or 6" WG (Class A), Add</i>	89.33	
<i>For 10" WG (Class A), Add</i>	128.41	
<i>For Work In Restricted Working Space, Add</i>	83.75	
23 31 13 13-0962 LF 24" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	329.05	172.41
<i>For 3" WG (Class B), Add</i>	43.10	
<i>For 4" Or 6" WG (Class A), Add</i>	91.96	
<i>For 10" WG (Class A), Add</i>	132.19	
<i>For Work In Restricted Working Space, Add</i>	86.21	
23 31 13 13-0963 LF 24" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	338.45	177.34
<i>For 3" WG (Class B), Add</i>	44.34	
<i>For 4" Or 6" WG (Class A), Add</i>	94.58	
<i>For 10" WG (Class A), Add</i>	135.96	
<i>For Work In Restricted Working Space, Add</i>	88.67	
23 31 13 13-0964 LF 26" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	244.44	128.08
<i>For 3" WG (Class B), Add</i>	32.02	
<i>For 4" Or 6" WG (Class A), Add</i>	68.31	
<i>For 10" WG (Class A), Add</i>	98.20	
<i>For Work In Restricted Working Space, Add</i>	64.04	
23 31 13 13-0965 LF 26" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.84	133.00
<i>For 3" WG (Class B), Add</i>	33.25	
<i>For 4" Or 6" WG (Class A), Add</i>	70.94	
<i>For 10" WG (Class A), Add</i>	101.97	
<i>For Work In Restricted Working Space, Add</i>	66.50	
23 31 13 13-0966 LF 26" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	263.25	137.94
<i>For 3" WG (Class B), Add</i>	34.48	
<i>For 4" Or 6" WG (Class A), Add</i>	73.56	
<i>For 10" WG (Class A), Add</i>	105.75	
<i>For Work In Restricted Working Space, Add</i>	68.97	
23 31 13 13-0967 LF 26" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	272.65	142.86
<i>For 3" WG (Class B), Add</i>	35.72	
<i>For 4" Or 6" WG (Class A), Add</i>	76.19	
<i>For 10" WG (Class A), Add</i>	109.53	
<i>For Work In Restricted Working Space, Add</i>	71.43	
23 31 13 13-0968 LF 26" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	282.05	147.78
<i>For 3" WG (Class B), Add</i>	36.95	
<i>For 4" Or 6" WG (Class A), Add</i>	78.82	
<i>For 10" WG (Class A), Add</i>	113.30	
<i>For Work In Restricted Working Space, Add</i>	73.89	
23 31 13 13-0969 LF 26" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	291.46	152.72
<i>For 3" WG (Class B), Add</i>	38.18	
<i>For 4" Or 6" WG (Class A), Add</i>	81.45	
<i>For 10" WG (Class A), Add</i>	117.08	
<i>For Work In Restricted Working Space, Add</i>	76.36	
23 31 13 13-0970 LF 26" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	300.86	157.64
<i>For 3" WG (Class B), Add</i>	39.41	
<i>For 4" Or 6" WG (Class A), Add</i>	84.07	
<i>For 10" WG (Class A), Add</i>	120.86	
<i>For Work In Restricted Working Space, Add</i>	78.82	
23 31 13 13-0971 LF 26" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	310.26	162.56
<i>For 3" WG (Class B), Add</i>	40.64	
<i>For 4" Or 6" WG (Class A), Add</i>	86.70	
<i>For 10" WG (Class A), Add</i>	124.63	
<i>For Work In Restricted Working Space, Add</i>	81.28	
23 31 13 13-0972 LF 26" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	319.66	167.49
<i>For 3" WG (Class B), Add</i>	41.87	
<i>For 4" Or 6" WG (Class A), Add</i>	89.33	
<i>For 10" WG (Class A), Add</i>	128.41	
<i>For Work In Restricted Working Space, Add</i>	83.75	
23 31 13 13-0973 LF 26" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	329.05	172.41
<i>For 3" WG (Class B), Add</i>	43.10	
<i>For 4" Or 6" WG (Class A), Add</i>	91.96	
<i>For 10" WG (Class A), Add</i>	132.19	
<i>For Work In Restricted Working Space, Add</i>	86.21	
23 31 13 13-0974 LF 26" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	338.45	177.34
<i>For 3" WG (Class B), Add</i>	44.34	
<i>For 4" Or 6" WG (Class A), Add</i>	94.58	
<i>For 10" WG (Class A), Add</i>	135.96	
<i>For Work In Restricted Working Space, Add</i>	88.67	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0975	LF	26" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	347.88	182.27
			<i>For 3" WG (Class B), Add</i>	45.57	
			<i>For 4" Or 6" WG (Class A), Add</i>	97.21	
			<i>For 10" WG (Class A), Add</i>	139.74	
			<i>For Work In Restricted Working Space, Add</i>	91.14	
23 31 13	13-0976	LF	28" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	263.25	137.94
			<i>For 3" WG (Class B), Add</i>	34.48	
			<i>For 4" Or 6" WG (Class A), Add</i>	73.56	
			<i>For 10" WG (Class A), Add</i>	105.75	
			<i>For Work In Restricted Working Space, Add</i>	68.97	
23 31 13	13-0977	LF	28" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	272.65	142.86
			<i>For 3" WG (Class B), Add</i>	35.72	
			<i>For 4" Or 6" WG (Class A), Add</i>	76.19	
			<i>For 10" WG (Class A), Add</i>	109.53	
			<i>For Work In Restricted Working Space, Add</i>	71.43	
23 31 13	13-0978	LF	28" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	282.05	147.78
			<i>For 3" WG (Class B), Add</i>	36.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	78.82	
			<i>For 10" WG (Class A), Add</i>	113.30	
			<i>For Work In Restricted Working Space, Add</i>	73.89	
23 31 13	13-0979	LF	28" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	291.46	152.72
			<i>For 3" WG (Class B), Add</i>	38.18	
			<i>For 4" Or 6" WG (Class A), Add</i>	81.45	
			<i>For 10" WG (Class A), Add</i>	117.08	
			<i>For Work In Restricted Working Space, Add</i>	76.36	
23 31 13	13-0980	LF	28" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	300.86	157.64
			<i>For 3" WG (Class B), Add</i>	39.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	84.07	
			<i>For 10" WG (Class A), Add</i>	120.86	
			<i>For Work In Restricted Working Space, Add</i>	78.82	
23 31 13	13-0981	LF	28" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	310.26	162.56
			<i>For 3" WG (Class B), Add</i>	40.64	
			<i>For 4" Or 6" WG (Class A), Add</i>	86.70	
			<i>For 10" WG (Class A), Add</i>	124.63	
			<i>For Work In Restricted Working Space, Add</i>	81.28	
23 31 13	13-0982	LF	28" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	319.66	167.49
			<i>For 3" WG (Class B), Add</i>	41.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	89.33	
			<i>For 10" WG (Class A), Add</i>	128.41	
			<i>For Work In Restricted Working Space, Add</i>	83.75	
23 31 13	13-0983	LF	28" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	329.05	172.41
			<i>For 3" WG (Class B), Add</i>	43.10	
			<i>For 4" Or 6" WG (Class A), Add</i>	91.96	
			<i>For 10" WG (Class A), Add</i>	132.19	
			<i>For Work In Restricted Working Space, Add</i>	86.21	
23 31 13	13-0984	LF	28" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	338.45	177.34
			<i>For 3" WG (Class B), Add</i>	44.34	
			<i>For 4" Or 6" WG (Class A), Add</i>	94.58	
			<i>For 10" WG (Class A), Add</i>	135.96	
			<i>For Work In Restricted Working Space, Add</i>	88.67	
23 31 13	13-0985	LF	28" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	347.88	182.27
			<i>For 3" WG (Class B), Add</i>	45.57	
			<i>For 4" Or 6" WG (Class A), Add</i>	97.21	
			<i>For 10" WG (Class A), Add</i>	139.74	
			<i>For Work In Restricted Working Space, Add</i>	91.14	
23 31 13	13-0986	LF	28" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	357.26	187.19
			<i>For 3" WG (Class B), Add</i>	46.80	
			<i>For 4" Or 6" WG (Class A), Add</i>	99.84	
			<i>For 10" WG (Class A), Add</i>	143.52	
			<i>For Work In Restricted Working Space, Add</i>	93.60	
23 31 13	13-0987	LF	30" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	282.05	147.78
			<i>For 3" WG (Class B), Add</i>	36.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	78.82	
			<i>For 10" WG (Class A), Add</i>	113.30	
			<i>For Work In Restricted Working Space, Add</i>	73.89	
23 31 13	13-0988	LF	30" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	291.46	152.72
			<i>For 3" WG (Class B), Add</i>	38.18	
			<i>For 4" Or 6" WG (Class A), Add</i>	81.45	
			<i>For 10" WG (Class A), Add</i>	117.08	
			<i>For Work In Restricted Working Space, Add</i>	76.36	
23 31 13	13-0989	LF	30" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	300.86	157.64
			<i>For 3" WG (Class B), Add</i>	39.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	84.07	
			<i>For 10" WG (Class A), Add</i>	120.86	
			<i>For Work In Restricted Working Space, Add</i>	78.82	
23 31 13	13-0990	LF	30" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	310.26	162.56
			<i>For 3" WG (Class B), Add</i>	40.64	
			<i>For 4" Or 6" WG (Class A), Add</i>	86.70	
			<i>For 10" WG (Class A), Add</i>	124.63	
			<i>For Work In Restricted Working Space, Add</i>	81.28	
23 31 13	13-0991	LF	30" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	319.66	167.49
			<i>For 3" WG (Class B), Add</i>	41.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	89.33	
			<i>For 10" WG (Class A), Add</i>	128.41	
			<i>For Work In Restricted Working Space, Add</i>	83.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0992 LF 30" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	329.05	172.41
<i>For 3" WG (Class B), Add</i>	43.10	
<i>For 4" Or 6" WG (Class A), Add</i>	91.96	
<i>For 10" WG (Class A), Add</i>	132.19	
<i>For Work In Restricted Working Space, Add</i>	86.21	
23 31 13 13-0993 LF 30" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	338.45	177.34
<i>For 3" WG (Class B), Add</i>	44.34	
<i>For 4" Or 6" WG (Class A), Add</i>	94.58	
<i>For 10" WG (Class A), Add</i>	135.96	
<i>For Work In Restricted Working Space, Add</i>	88.67	
23 31 13 13-0994 LF 30" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	347.88	182.27
<i>For 3" WG (Class B), Add</i>	45.57	
<i>For 4" Or 6" WG (Class A), Add</i>	97.21	
<i>For 10" WG (Class A), Add</i>	139.74	
<i>For Work In Restricted Working Space, Add</i>	91.14	
23 31 13 13-0995 LF 30" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	357.26	187.19
<i>For 3" WG (Class B), Add</i>	46.80	
<i>For 4" Or 6" WG (Class A), Add</i>	99.84	
<i>For 10" WG (Class A), Add</i>	143.52	
<i>For Work In Restricted Working Space, Add</i>	93.60	
23 31 13 13-0996 LF 30" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	366.66	192.13
<i>For 3" WG (Class B), Add</i>	48.03	
<i>For 4" Or 6" WG (Class A), Add</i>	102.46	
<i>For 10" WG (Class A), Add</i>	147.29	
<i>For Work In Restricted Working Space, Add</i>	96.06	
23 31 13 13-0997 LF 32" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	300.86	157.64
<i>For 3" WG (Class B), Add</i>	39.41	
<i>For 4" Or 6" WG (Class A), Add</i>	84.07	
<i>For 10" WG (Class A), Add</i>	120.86	
<i>For Work In Restricted Working Space, Add</i>	78.82	
23 31 13 13-0998 LF 32" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	310.26	162.56
<i>For 3" WG (Class B), Add</i>	40.64	
<i>For 4" Or 6" WG (Class A), Add</i>	86.70	
<i>For 10" WG (Class A), Add</i>	124.63	
<i>For Work In Restricted Working Space, Add</i>	81.28	
23 31 13 13-0999 LF 32" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	319.66	167.49
<i>For 3" WG (Class B), Add</i>	41.87	
<i>For 4" Or 6" WG (Class A), Add</i>	89.33	
<i>For 10" WG (Class A), Add</i>	128.41	
<i>For Work In Restricted Working Space, Add</i>	83.75	
23 31 13 13-1000 LF 32" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	329.05	172.41
<i>For 3" WG (Class B), Add</i>	43.10	
<i>For 4" Or 6" WG (Class A), Add</i>	91.96	
<i>For 10" WG (Class A), Add</i>	132.19	
<i>For Work In Restricted Working Space, Add</i>	86.21	
23 31 13 13-1001 LF 32" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	338.45	177.34
<i>For 3" WG (Class B), Add</i>	44.34	
<i>For 4" Or 6" WG (Class A), Add</i>	94.58	
<i>For 10" WG (Class A), Add</i>	135.96	
<i>For Work In Restricted Working Space, Add</i>	88.67	
23 31 13 13-1002 LF 32" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	347.88	182.27
<i>For 3" WG (Class B), Add</i>	45.57	
<i>For 4" Or 6" WG (Class A), Add</i>	97.21	
<i>For 10" WG (Class A), Add</i>	139.74	
<i>For Work In Restricted Working Space, Add</i>	91.14	
23 31 13 13-1003 LF 32" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	357.26	187.19
<i>For 3" WG (Class B), Add</i>	46.80	
<i>For 4" Or 6" WG (Class A), Add</i>	99.84	
<i>For 10" WG (Class A), Add</i>	143.52	
<i>For Work In Restricted Working Space, Add</i>	93.60	
23 31 13 13-1004 LF 32" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	366.66	192.13
<i>For 3" WG (Class B), Add</i>	48.03	
<i>For 4" Or 6" WG (Class A), Add</i>	102.46	
<i>For 10" WG (Class A), Add</i>	147.29	
<i>For Work In Restricted Working Space, Add</i>	96.06	
23 31 13 13-1005 LF 32" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	376.07	197.05
<i>For 3" WG (Class B), Add</i>	49.26	
<i>For 4" Or 6" WG (Class A), Add</i>	105.09	
<i>For 10" WG (Class A), Add</i>	151.07	
<i>For Work In Restricted Working Space, Add</i>	98.53	
23 31 13 13-1006 LF 34" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	319.66	167.49
<i>For 3" WG (Class B), Add</i>	41.87	
<i>For 4" Or 6" WG (Class A), Add</i>	89.33	
<i>For 10" WG (Class A), Add</i>	128.41	
<i>For Work In Restricted Working Space, Add</i>	83.75	
23 31 13 13-1007 LF 34" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	329.05	172.41
<i>For 3" WG (Class B), Add</i>	43.10	
<i>For 4" Or 6" WG (Class A), Add</i>	91.96	
<i>For 10" WG (Class A), Add</i>	132.19	
<i>For Work In Restricted Working Space, Add</i>	86.21	
23 31 13 13-1008 LF 34" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	338.45	177.34
<i>For 3" WG (Class B), Add</i>	44.34	
<i>For 4" Or 6" WG (Class A), Add</i>	94.58	
<i>For 10" WG (Class A), Add</i>	135.96	
<i>For Work In Restricted Working Space, Add</i>	88.67	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-1009	LF	34" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	347.88	182.27
			<i>For 3" WG (Class B), Add</i>	45.57	
			<i>For 4" Or 6" WG (Class A), Add</i>	97.21	
			<i>For 10" WG (Class A), Add</i>	139.74	
			<i>For Work In Restricted Working Space, Add</i>	91.14	
23 31	13 13-1010	LF	34" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	357.26	187.19
			<i>For 3" WG (Class B), Add</i>	46.80	
			<i>For 4" Or 6" WG (Class A), Add</i>	99.84	
			<i>For 10" WG (Class A), Add</i>	143.52	
			<i>For Work In Restricted Working Space, Add</i>	93.60	
23 31	13 13-1011	LF	34" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	366.66	192.13
			<i>For 3" WG (Class B), Add</i>	48.03	
			<i>For 4" Or 6" WG (Class A), Add</i>	102.46	
			<i>For 10" WG (Class A), Add</i>	147.29	
			<i>For Work In Restricted Working Space, Add</i>	96.06	
23 31	13 13-1012	LF	34" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	376.07	197.05
			<i>For 3" WG (Class B), Add</i>	49.26	
			<i>For 4" Or 6" WG (Class A), Add</i>	105.09	
			<i>For 10" WG (Class A), Add</i>	151.07	
			<i>For Work In Restricted Working Space, Add</i>	98.53	
23 31	13 13-1013	LF	34" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	385.46	201.98
			<i>For 3" WG (Class B), Add</i>	50.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	107.72	
			<i>For 10" WG (Class A), Add</i>	154.85	
			<i>For Work In Restricted Working Space, Add</i>	100.99	
23 31	13 13-1014	LF	36" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	338.45	177.34
			<i>For 3" WG (Class B), Add</i>	44.34	
			<i>For 4" Or 6" WG (Class A), Add</i>	94.58	
			<i>For 10" WG (Class A), Add</i>	135.96	
			<i>For Work In Restricted Working Space, Add</i>	88.67	
23 31	13 13-1015	LF	36" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	347.88	182.27
			<i>For 3" WG (Class B), Add</i>	45.57	
			<i>For 4" Or 6" WG (Class A), Add</i>	97.21	
			<i>For 10" WG (Class A), Add</i>	139.74	
			<i>For Work In Restricted Working Space, Add</i>	91.14	
23 31	13 13-1016	LF	36" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	357.26	187.19
			<i>For 3" WG (Class B), Add</i>	46.80	
			<i>For 4" Or 6" WG (Class A), Add</i>	99.84	
			<i>For 10" WG (Class A), Add</i>	143.52	
			<i>For Work In Restricted Working Space, Add</i>	93.60	
23 31	13 13-1017	LF	36" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	366.66	192.13
			<i>For 3" WG (Class B), Add</i>	48.03	
			<i>For 4" Or 6" WG (Class A), Add</i>	102.46	
			<i>For 10" WG (Class A), Add</i>	147.29	
			<i>For Work In Restricted Working Space, Add</i>	96.06	
23 31	13 13-1018	LF	36" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	376.07	197.05
			<i>For 3" WG (Class B), Add</i>	49.26	
			<i>For 4" Or 6" WG (Class A), Add</i>	105.09	
			<i>For 10" WG (Class A), Add</i>	151.07	
			<i>For Work In Restricted Working Space, Add</i>	98.53	
23 31	13 13-1019	LF	36" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	385.46	201.98
			<i>For 3" WG (Class B), Add</i>	50.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	107.72	
			<i>For 10" WG (Class A), Add</i>	154.85	
			<i>For Work In Restricted Working Space, Add</i>	100.99	
23 31	13 13-1020	LF	36" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	394.87	206.91
			<i>For 3" WG (Class B), Add</i>	51.72	
			<i>For 4" Or 6" WG (Class A), Add</i>	110.35	
			<i>For 10" WG (Class A), Add</i>	158.62	
			<i>For Work In Restricted Working Space, Add</i>	103.45	
23 31	13 13-1021	LF	38" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	357.26	187.19
			<i>For 3" WG (Class B), Add</i>	46.80	
			<i>For 4" Or 6" WG (Class A), Add</i>	99.84	
			<i>For 10" WG (Class A), Add</i>	143.52	
			<i>For Work In Restricted Working Space, Add</i>	93.60	
23 31	13 13-1022	LF	38" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	366.66	192.13
			<i>For 3" WG (Class B), Add</i>	48.03	
			<i>For 4" Or 6" WG (Class A), Add</i>	102.46	
			<i>For 10" WG (Class A), Add</i>	147.29	
			<i>For Work In Restricted Working Space, Add</i>	96.06	
23 31	13 13-1023	LF	38" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	376.07	197.05
			<i>For 3" WG (Class B), Add</i>	49.26	
			<i>For 4" Or 6" WG (Class A), Add</i>	105.09	
			<i>For 10" WG (Class A), Add</i>	151.07	
			<i>For Work In Restricted Working Space, Add</i>	98.53	
23 31	13 13-1024	LF	38" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	385.46	201.98
			<i>For 3" WG (Class B), Add</i>	50.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	107.72	
			<i>For 10" WG (Class A), Add</i>	154.85	
			<i>For Work In Restricted Working Space, Add</i>	100.99	
23 31	13 13-1025	LF	38" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	394.87	206.91
			<i>For 3" WG (Class B), Add</i>	51.72	
			<i>For 4" Or 6" WG (Class A), Add</i>	110.35	
			<i>For 10" WG (Class A), Add</i>	158.62	
			<i>For Work In Restricted Working Space, Add</i>	103.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1026 LF 38" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	404.27	211.83
<i>For 3" WG (Class B), Add</i>	52.96	
<i>For 4" Or 6" WG (Class A), Add</i>	112.97	
<i>For 10" WG (Class A), Add</i>	162.40	
<i>For Work In Restricted Working Space, Add</i>	105.91	
23 31 13 13-1027 LF 38" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	413.68	216.75
<i>For 3" WG (Class B), Add</i>	54.19	
<i>For 4" Or 6" WG (Class A), Add</i>	115.60	
<i>For 10" WG (Class A), Add</i>	166.18	
<i>For Work In Restricted Working Space, Add</i>	108.38	
23 31 13 13-1028 LF 40" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	376.07	197.05
<i>For 3" WG (Class B), Add</i>	49.26	
<i>For 4" Or 6" WG (Class A), Add</i>	105.09	
<i>For 10" WG (Class A), Add</i>	151.07	
<i>For Work In Restricted Working Space, Add</i>	98.53	
23 31 13 13-1029 LF 40" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	385.46	201.98
<i>For 3" WG (Class B), Add</i>	50.49	
<i>For 4" Or 6" WG (Class A), Add</i>	107.72	
<i>For 10" WG (Class A), Add</i>	154.85	
<i>For Work In Restricted Working Space, Add</i>	100.99	
23 31 13 13-1030 LF 40" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	394.87	206.91
<i>For 3" WG (Class B), Add</i>	51.72	
<i>For 4" Or 6" WG (Class A), Add</i>	110.35	
<i>For 10" WG (Class A), Add</i>	158.62	
<i>For Work In Restricted Working Space, Add</i>	103.45	
23 31 13 13-1031 LF 40" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	404.27	211.83
<i>For 3" WG (Class B), Add</i>	52.96	
<i>For 4" Or 6" WG (Class A), Add</i>	112.97	
<i>For 10" WG (Class A), Add</i>	162.40	
<i>For Work In Restricted Working Space, Add</i>	105.91	
23 31 13 13-1032 LF 40" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	413.68	216.75
<i>For 3" WG (Class B), Add</i>	54.19	
<i>For 4" Or 6" WG (Class A), Add</i>	115.60	
<i>For 10" WG (Class A), Add</i>	166.18	
<i>For Work In Restricted Working Space, Add</i>	108.38	
23 31 13 13-1033 LF 40" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	423.08	221.68
<i>For 3" WG (Class B), Add</i>	55.42	
<i>For 4" Or 6" WG (Class A), Add</i>	118.23	
<i>For 10" WG (Class A), Add</i>	169.96	
<i>For Work In Restricted Working Space, Add</i>	110.84	
23 31 13 13-1034 LF 40" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	432.46	226.60
<i>For 3" WG (Class B), Add</i>	56.65	
<i>For 4" Or 6" WG (Class A), Add</i>	120.85	
<i>For 10" WG (Class A), Add</i>	173.73	
<i>For Work In Restricted Working Space, Add</i>	113.30	
23 31 13 13-1035 LF 40" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	441.88	231.53
<i>For 3" WG (Class B), Add</i>	57.88	
<i>For 4" Or 6" WG (Class A), Add</i>	123.48	
<i>For 10" WG (Class A), Add</i>	177.50	
<i>For Work In Restricted Working Space, Add</i>	115.76	
23 31 13 13-1036 LF 40" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	451.29	236.46
<i>For 3" WG (Class B), Add</i>	59.12	
<i>For 4" Or 6" WG (Class A), Add</i>	126.11	
<i>For 10" WG (Class A), Add</i>	181.29	
<i>For Work In Restricted Working Space, Add</i>	118.23	
23 31 13 13-1037 LF 42" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	394.87	206.91
<i>For 3" WG (Class B), Add</i>	51.72	
<i>For 4" Or 6" WG (Class A), Add</i>	110.35	
<i>For 10" WG (Class A), Add</i>	158.62	
<i>For Work In Restricted Working Space, Add</i>	103.45	
23 31 13 13-1038 LF 42" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	404.27	211.83
<i>For 3" WG (Class B), Add</i>	52.96	
<i>For 4" Or 6" WG (Class A), Add</i>	112.97	
<i>For 10" WG (Class A), Add</i>	162.40	
<i>For Work In Restricted Working Space, Add</i>	105.91	
23 31 13 13-1039 LF 42" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	413.68	216.75
<i>For 3" WG (Class B), Add</i>	54.19	
<i>For 4" Or 6" WG (Class A), Add</i>	115.60	
<i>For 10" WG (Class A), Add</i>	166.18	
<i>For Work In Restricted Working Space, Add</i>	108.38	
23 31 13 13-1040 LF 42" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	423.08	221.68
<i>For 3" WG (Class B), Add</i>	55.42	
<i>For 4" Or 6" WG (Class A), Add</i>	118.23	
<i>For 10" WG (Class A), Add</i>	169.96	
<i>For Work In Restricted Working Space, Add</i>	110.84	
23 31 13 13-1041 LF 42" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	432.46	226.60
<i>For 3" WG (Class B), Add</i>	56.65	
<i>For 4" Or 6" WG (Class A), Add</i>	120.85	
<i>For 10" WG (Class A), Add</i>	173.73	
<i>For Work In Restricted Working Space, Add</i>	113.30	
23 31 13 13-1042 LF 42" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	441.88	231.53
<i>For 3" WG (Class B), Add</i>	57.88	
<i>For 4" Or 6" WG (Class A), Add</i>	123.48	
<i>For 10" WG (Class A), Add</i>	177.50	
<i>For Work In Restricted Working Space, Add</i>	115.76	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-1043	LF	42" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	451.29	236.46
			<i>For 3" WG (Class B), Add</i>	59.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	126.11	
			<i>For 10" WG (Class A), Add</i>	181.29	
			<i>For Work In Restricted Working Space, Add</i>	118.23	
23 31	13 13-1044	LF	42" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	460.68	241.38
			<i>For 3" WG (Class B), Add</i>	60.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	128.74	
			<i>For 10" WG (Class A), Add</i>	185.06	
			<i>For Work In Restricted Working Space, Add</i>	120.69	
23 31	13 13-1045	LF	44" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	413.68	216.75
			<i>For 3" WG (Class B), Add</i>	54.19	
			<i>For 4" Or 6" WG (Class A), Add</i>	115.60	
			<i>For 10" WG (Class A), Add</i>	166.18	
			<i>For Work In Restricted Working Space, Add</i>	108.38	
23 31	13 13-1046	LF	44" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	423.08	221.68
			<i>For 3" WG (Class B), Add</i>	55.42	
			<i>For 4" Or 6" WG (Class A), Add</i>	118.23	
			<i>For 10" WG (Class A), Add</i>	169.96	
			<i>For Work In Restricted Working Space, Add</i>	110.84	
23 31	13 13-1047	LF	44" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	432.46	226.60
			<i>For 3" WG (Class B), Add</i>	56.65	
			<i>For 4" Or 6" WG (Class A), Add</i>	120.85	
			<i>For 10" WG (Class A), Add</i>	173.73	
			<i>For Work In Restricted Working Space, Add</i>	113.30	
23 31	13 13-1048	LF	44" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	441.88	231.53
			<i>For 3" WG (Class B), Add</i>	57.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	123.48	
			<i>For 10" WG (Class A), Add</i>	177.50	
			<i>For Work In Restricted Working Space, Add</i>	115.76	
23 31	13 13-1049	LF	44" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	451.29	236.46
			<i>For 3" WG (Class B), Add</i>	59.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	126.11	
			<i>For 10" WG (Class A), Add</i>	181.29	
			<i>For Work In Restricted Working Space, Add</i>	118.23	
23 31	13 13-1050	LF	44" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	460.68	241.38
			<i>For 3" WG (Class B), Add</i>	60.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	128.74	
			<i>For 10" WG (Class A), Add</i>	185.06	
			<i>For Work In Restricted Working Space, Add</i>	120.69	
23 31	13 13-1051	LF	44" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	470.08	246.31
			<i>For 3" WG (Class B), Add</i>	61.58	
			<i>For 4" Or 6" WG (Class A), Add</i>	131.37	
			<i>For 10" WG (Class A), Add</i>	188.84	
			<i>For Work In Restricted Working Space, Add</i>	123.16	
23 31	13 13-1052	LF	46" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	432.46	226.60
			<i>For 3" WG (Class B), Add</i>	56.65	
			<i>For 4" Or 6" WG (Class A), Add</i>	120.85	
			<i>For 10" WG (Class A), Add</i>	173.73	
			<i>For Work In Restricted Working Space, Add</i>	113.30	
23 31	13 13-1053	LF	46" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	441.88	231.53
			<i>For 3" WG (Class B), Add</i>	57.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	123.48	
			<i>For 10" WG (Class A), Add</i>	177.50	
			<i>For Work In Restricted Working Space, Add</i>	115.76	
23 31	13 13-1054	LF	46" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	451.29	236.46
			<i>For 3" WG (Class B), Add</i>	59.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	126.11	
			<i>For 10" WG (Class A), Add</i>	181.29	
			<i>For Work In Restricted Working Space, Add</i>	118.23	
23 31	13 13-1055	LF	46" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	460.68	241.38
			<i>For 3" WG (Class B), Add</i>	60.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	128.74	
			<i>For 10" WG (Class A), Add</i>	185.06	
			<i>For Work In Restricted Working Space, Add</i>	120.69	
23 31	13 13-1056	LF	46" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	470.08	246.31
			<i>For 3" WG (Class B), Add</i>	61.58	
			<i>For 4" Or 6" WG (Class A), Add</i>	131.37	
			<i>For 10" WG (Class A), Add</i>	188.84	
			<i>For Work In Restricted Working Space, Add</i>	123.16	
23 31	13 13-1057	LF	46" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	487.69	256.17
			<i>For 3" WG (Class B), Add</i>	64.04	
			<i>For 4" Or 6" WG (Class A), Add</i>	136.62	
			<i>For 10" WG (Class A), Add</i>	196.39	
			<i>For Work In Restricted Working Space, Add</i>	128.08	
23 31	13 13-1058	LF	46" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	497.11	261.09
			<i>For 3" WG (Class B), Add</i>	65.27	
			<i>For 4" Or 6" WG (Class A), Add</i>	139.25	
			<i>For 10" WG (Class A), Add</i>	200.17	
			<i>For Work In Restricted Working Space, Add</i>	130.55	
23 31	13 13-1059	LF	48" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	451.29	236.46
			<i>For 3" WG (Class B), Add</i>	59.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	126.11	
			<i>For 10" WG (Class A), Add</i>	181.29	
			<i>For Work In Restricted Working Space, Add</i>	118.23	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1060 LF 48" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	460.68	241.38
<i>For 3" WG (Class B), Add</i>	60.35	
<i>For 4" Or 6" WG (Class A), Add</i>	128.74	
<i>For 10" WG (Class A), Add</i>	185.06	
<i>For Work In Restricted Working Space, Add</i>	120.69	
23 31 13 13-1061 LF 48" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	479.08	246.31
<i>For 3" WG (Class B), Add</i>	61.58	
<i>For 4" Or 6" WG (Class A), Add</i>	131.37	
<i>For 10" WG (Class A), Add</i>	188.84	
<i>For Work In Restricted Working Space, Add</i>	123.16	
23 31 13 13-1062 LF 48" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	479.48	251.24
<i>For 3" WG (Class B), Add</i>	62.81	
<i>For 4" Or 6" WG (Class A), Add</i>	133.99	
<i>For 10" WG (Class A), Add</i>	192.62	
<i>For Work In Restricted Working Space, Add</i>	125.62	
23 31 13 13-1063 LF 48" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	488.90	256.17
<i>For 3" WG (Class B), Add</i>	64.04	
<i>For 4" Or 6" WG (Class A), Add</i>	136.62	
<i>For 10" WG (Class A), Add</i>	196.39	
<i>For Work In Restricted Working Space, Add</i>	128.08	
23 31 13 13-1064 LF 48" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	498.29	261.09
<i>For 3" WG (Class B), Add</i>	65.27	
<i>For 4" Or 6" WG (Class A), Add</i>	139.25	
<i>For 10" WG (Class A), Add</i>	200.17	
<i>For Work In Restricted Working Space, Add</i>	130.55	
23 31 13 13-1065 LF 48" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	507.69	266.02
<i>For 3" WG (Class B), Add</i>	66.50	
<i>For 4" Or 6" WG (Class A), Add</i>	141.88	
<i>For 10" WG (Class A), Add</i>	203.95	
<i>For Work In Restricted Working Space, Add</i>	133.01	
23 31 13 13-1066 LF 50" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	470.08	246.31
<i>For 3" WG (Class B), Add</i>	61.58	
<i>For 4" Or 6" WG (Class A), Add</i>	131.37	
<i>For 10" WG (Class A), Add</i>	188.84	
<i>For Work In Restricted Working Space, Add</i>	123.16	
23 31 13 13-1067 LF 50" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	479.48	251.24
<i>For 3" WG (Class B), Add</i>	62.81	
<i>For 4" Or 6" WG (Class A), Add</i>	133.99	
<i>For 10" WG (Class A), Add</i>	192.62	
<i>For Work In Restricted Working Space, Add</i>	125.62	
23 31 13 13-1068 LF 50" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	488.90	256.17
<i>For 3" WG (Class B), Add</i>	64.04	
<i>For 4" Or 6" WG (Class A), Add</i>	136.62	
<i>For 10" WG (Class A), Add</i>	196.39	
<i>For Work In Restricted Working Space, Add</i>	128.08	
23 31 13 13-1069 LF 50" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	498.29	261.09
<i>For 3" WG (Class B), Add</i>	65.27	
<i>For 4" Or 6" WG (Class A), Add</i>	139.25	
<i>For 10" WG (Class A), Add</i>	200.17	
<i>For Work In Restricted Working Space, Add</i>	130.55	
23 31 13 13-1070 LF 50" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	507.69	266.02
<i>For 3" WG (Class B), Add</i>	66.50	
<i>For 4" Or 6" WG (Class A), Add</i>	141.88	
<i>For 10" WG (Class A), Add</i>	203.95	
<i>For Work In Restricted Working Space, Add</i>	133.01	
23 31 13 13-1071 LF 50" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	517.08	270.94
<i>For 3" WG (Class B), Add</i>	67.73	
<i>For 4" Or 6" WG (Class A), Add</i>	144.50	
<i>For 10" WG (Class A), Add</i>	207.72	
<i>For Work In Restricted Working Space, Add</i>	135.47	
23 31 13 13-1072 LF 52" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	488.90	256.17
<i>For 3" WG (Class B), Add</i>	64.04	
<i>For 4" Or 6" WG (Class A), Add</i>	136.62	
<i>For 10" WG (Class A), Add</i>	196.39	
<i>For Work In Restricted Working Space, Add</i>	128.08	
23 31 13 13-1073 LF 52" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	498.29	261.09
<i>For 3" WG (Class B), Add</i>	65.27	
<i>For 4" Or 6" WG (Class A), Add</i>	139.25	
<i>For 10" WG (Class A), Add</i>	200.17	
<i>For Work In Restricted Working Space, Add</i>	130.55	
23 31 13 13-1074 LF 52" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	507.69	266.02
<i>For 3" WG (Class B), Add</i>	66.50	
<i>For 4" Or 6" WG (Class A), Add</i>	141.88	
<i>For 10" WG (Class A), Add</i>	203.95	
<i>For Work In Restricted Working Space, Add</i>	133.01	
23 31 13 13-1075 LF 52" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	517.08	270.94
<i>For 3" WG (Class B), Add</i>	67.73	
<i>For 4" Or 6" WG (Class A), Add</i>	144.50	
<i>For 10" WG (Class A), Add</i>	207.72	
<i>For Work In Restricted Working Space, Add</i>	135.47	
23 31 13 13-1076 LF 52" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	526.50	275.86
<i>For 3" WG (Class B), Add</i>	68.97	
<i>For 4" Or 6" WG (Class A), Add</i>	147.13	
<i>For 10" WG (Class A), Add</i>	211.50	
<i>For Work In Restricted Working Space, Add</i>	137.94	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-1077	LF	54" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	507.69	266.02
			<i>For 3" WG (Class B), Add</i>	66.50	
			<i>For 4" Or 6" WG (Class A), Add</i>	141.88	
			<i>For 10" WG (Class A), Add</i>	203.95	
			<i>For Work In Restricted Working Space, Add</i>	133.01	
23 31 13	13-1078	LF	54" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	517.08	270.94
			<i>For 3" WG (Class B), Add</i>	67.73	
			<i>For 4" Or 6" WG (Class A), Add</i>	144.50	
			<i>For 10" WG (Class A), Add</i>	207.72	
			<i>For Work In Restricted Working Space, Add</i>	135.47	
23 31 13	13-1079	LF	54" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	526.50	275.86
			<i>For 3" WG (Class B), Add</i>	68.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	147.13	
			<i>For 10" WG (Class A), Add</i>	211.50	
			<i>For Work In Restricted Working Space, Add</i>	137.94	
23 31 13	13-1080	LF	54" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	535.90	280.79
			<i>For 3" WG (Class B), Add</i>	70.20	
			<i>For 4" Or 6" WG (Class A), Add</i>	149.76	
			<i>For 10" WG (Class A), Add</i>	215.28	
			<i>For Work In Restricted Working Space, Add</i>	140.40	
23 31 13	13-1081	LF	54" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	545.30	285.72
			<i>For 3" WG (Class B), Add</i>	71.43	
			<i>For 4" Or 6" WG (Class A), Add</i>	152.38	
			<i>For 10" WG (Class A), Add</i>	219.05	
			<i>For Work In Restricted Working Space, Add</i>	142.86	
23 31 13	13-1082	LF	54" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	554.70	290.64
			<i>For 3" WG (Class B), Add</i>	72.66	
			<i>For 4" Or 6" WG (Class A), Add</i>	155.01	
			<i>For 10" WG (Class A), Add</i>	222.83	
			<i>For Work In Restricted Working Space, Add</i>	145.32	
23 31 13	13-1083	LF	56" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	526.50	275.86
			<i>For 3" WG (Class B), Add</i>	68.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	147.13	
			<i>For 10" WG (Class A), Add</i>	211.50	
			<i>For Work In Restricted Working Space, Add</i>	137.94	
23 31 13	13-1084	LF	56" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	535.90	280.79
			<i>For 3" WG (Class B), Add</i>	70.20	
			<i>For 4" Or 6" WG (Class A), Add</i>	149.76	
			<i>For 10" WG (Class A), Add</i>	215.28	
			<i>For Work In Restricted Working Space, Add</i>	140.40	
23 31 13	13-1085	LF	56" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	545.30	285.72
			<i>For 3" WG (Class B), Add</i>	71.43	
			<i>For 4" Or 6" WG (Class A), Add</i>	152.38	
			<i>For 10" WG (Class A), Add</i>	219.05	
			<i>For Work In Restricted Working Space, Add</i>	142.86	
23 31 13	13-1086	LF	56" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	554.70	290.64
			<i>For 3" WG (Class B), Add</i>	72.66	
			<i>For 4" Or 6" WG (Class A), Add</i>	155.01	
			<i>For 10" WG (Class A), Add</i>	222.83	
			<i>For Work In Restricted Working Space, Add</i>	145.32	
23 31 13	13-1087	LF	56" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	564.10	295.57
			<i>For 3" WG (Class B), Add</i>	73.89	
			<i>For 4" Or 6" WG (Class A), Add</i>	157.64	
			<i>For 10" WG (Class A), Add</i>	226.61	
			<i>For Work In Restricted Working Space, Add</i>	147.79	
23 31 13	13-1088	LF	58" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	545.30	285.72
			<i>For 3" WG (Class B), Add</i>	71.43	
			<i>For 4" Or 6" WG (Class A), Add</i>	152.38	
			<i>For 10" WG (Class A), Add</i>	219.05	
			<i>For Work In Restricted Working Space, Add</i>	142.86	
23 31 13	13-1089	LF	58" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	554.70	290.64
			<i>For 3" WG (Class B), Add</i>	72.66	
			<i>For 4" Or 6" WG (Class A), Add</i>	155.01	
			<i>For 10" WG (Class A), Add</i>	222.83	
			<i>For Work In Restricted Working Space, Add</i>	145.32	
23 31 13	13-1090	LF	58" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	564.10	295.57
			<i>For 3" WG (Class B), Add</i>	73.89	
			<i>For 4" Or 6" WG (Class A), Add</i>	157.64	
			<i>For 10" WG (Class A), Add</i>	226.61	
			<i>For Work In Restricted Working Space, Add</i>	147.79	
23 31 13	13-1091	LF	58" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	573.49	300.50
			<i>For 3" WG (Class B), Add</i>	75.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	160.27	
			<i>For 10" WG (Class A), Add</i>	230.38	
			<i>For Work In Restricted Working Space, Add</i>	150.25	
23 31 13	13-1092	LF	58" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	582.91	305.42
			<i>For 3" WG (Class B), Add</i>	76.36	
			<i>For 4" Or 6" WG (Class A), Add</i>	162.89	
			<i>For 10" WG (Class A), Add</i>	234.16	
			<i>For Work In Restricted Working Space, Add</i>	152.71	
23 31 13	13-1093	LF	60" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	564.10	295.57
			<i>For 3" WG (Class B), Add</i>	73.89	
			<i>For 4" Or 6" WG (Class A), Add</i>	157.64	
			<i>For 10" WG (Class A), Add</i>	226.61	
			<i>For Work In Restricted Working Space, Add</i>	147.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1094 LF 60" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	573.49	300.50
<i>For 3" WG (Class B), Add</i>	75.12	
<i>For 4" Or 6" WG (Class A), Add</i>	160.27	
<i>For 10" WG (Class A), Add</i>	230.38	
<i>For Work In Restricted Working Space, Add</i>	150.25	
23 31 13 13-1095 LF 60" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	582.91	305.42
<i>For 3" WG (Class B), Add</i>	76.36	
<i>For 4" Or 6" WG (Class A), Add</i>	162.89	
<i>For 10" WG (Class A), Add</i>	234.16	
<i>For Work In Restricted Working Space, Add</i>	152.71	
23 31 13 13-1096 LF 60" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	592.31	310.36
<i>For 3" WG (Class B), Add</i>	77.59	
<i>For 4" Or 6" WG (Class A), Add</i>	165.52	
<i>For 10" WG (Class A), Add</i>	237.94	
<i>For Work In Restricted Working Space, Add</i>	155.18	
23 31 13 13-1097 LF 60" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	601.71	315.28
<i>For 3" WG (Class B), Add</i>	78.82	
<i>For 4" Or 6" WG (Class A), Add</i>	168.15	
<i>For 10" WG (Class A), Add</i>	241.72	
<i>For Work In Restricted Working Space, Add</i>	157.64	
23 31 13 13-1098 LF 62" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	582.91	305.42
<i>For 3" WG (Class B), Add</i>	76.36	
<i>For 4" Or 6" WG (Class A), Add</i>	162.89	
<i>For 10" WG (Class A), Add</i>	234.16	
<i>For Work In Restricted Working Space, Add</i>	152.71	
23 31 13 13-1099 LF 62" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	592.31	310.36
<i>For 3" WG (Class B), Add</i>	77.59	
<i>For 4" Or 6" WG (Class A), Add</i>	165.52	
<i>For 10" WG (Class A), Add</i>	237.94	
<i>For Work In Restricted Working Space, Add</i>	155.18	
23 31 13 13-1100 LF 62" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	601.71	315.28
<i>For 3" WG (Class B), Add</i>	78.82	
<i>For 4" Or 6" WG (Class A), Add</i>	168.15	
<i>For 10" WG (Class A), Add</i>	241.72	
<i>For Work In Restricted Working Space, Add</i>	157.64	
23 31 13 13-1101 LF 62" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	611.11	320.20
<i>For 3" WG (Class B), Add</i>	80.05	
<i>For 4" Or 6" WG (Class A), Add</i>	170.78	
<i>For 10" WG (Class A), Add</i>	245.49	
<i>For Work In Restricted Working Space, Add</i>	160.10	
23 31 13 13-1102 LF 62" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	620.50	325.13
<i>For 3" WG (Class B), Add</i>	81.28	
<i>For 4" Or 6" WG (Class A), Add</i>	173.40	
<i>For 10" WG (Class A), Add</i>	249.26	
<i>For Work In Restricted Working Space, Add</i>	162.56	
23 31 13 13-1103 LF 64" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	601.71	315.28
<i>For 3" WG (Class B), Add</i>	78.82	
<i>For 4" Or 6" WG (Class A), Add</i>	168.15	
<i>For 10" WG (Class A), Add</i>	241.72	
<i>For Work In Restricted Working Space, Add</i>	157.64	
23 31 13 13-1104 LF 64" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	611.11	320.20
<i>For 3" WG (Class B), Add</i>	80.05	
<i>For 4" Or 6" WG (Class A), Add</i>	170.78	
<i>For 10" WG (Class A), Add</i>	245.49	
<i>For Work In Restricted Working Space, Add</i>	160.10	
23 31 13 13-1105 LF 64" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	620.50	325.13
<i>For 3" WG (Class B), Add</i>	81.28	
<i>For 4" Or 6" WG (Class A), Add</i>	173.40	
<i>For 10" WG (Class A), Add</i>	249.26	
<i>For Work In Restricted Working Space, Add</i>	162.56	
23 31 13 13-1106 LF 64" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	629.91	330.05
<i>For 3" WG (Class B), Add</i>	82.51	
<i>For 4" Or 6" WG (Class A), Add</i>	176.03	
<i>For 10" WG (Class A), Add</i>	253.04	
<i>For Work In Restricted Working Space, Add</i>	165.03	
23 31 13 13-1107 LF 66" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	620.50	325.13
<i>For 3" WG (Class B), Add</i>	81.28	
<i>For 4" Or 6" WG (Class A), Add</i>	173.40	
<i>For 10" WG (Class A), Add</i>	249.26	
<i>For Work In Restricted Working Space, Add</i>	162.56	
23 31 13 13-1108 LF 66" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	629.91	330.05
<i>For 3" WG (Class B), Add</i>	82.51	
<i>For 4" Or 6" WG (Class A), Add</i>	176.03	
<i>For 10" WG (Class A), Add</i>	253.04	
<i>For Work In Restricted Working Space, Add</i>	165.03	
23 31 13 13-1109 LF 66" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	639.32	334.98
<i>For 3" WG (Class B), Add</i>	83.75	
<i>For 4" Or 6" WG (Class A), Add</i>	178.66	
<i>For 10" WG (Class A), Add</i>	256.82	
<i>For Work In Restricted Working Space, Add</i>	167.49	
23 31 13 13-1110 LF 66" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	648.71	339.91
<i>For 3" WG (Class B), Add</i>	84.98	
<i>For 4" Or 6" WG (Class A), Add</i>	181.28	
<i>For 10" WG (Class A), Add</i>	260.59	
<i>For Work In Restricted Working Space, Add</i>	169.95	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1111	LF	68" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	639.32	334.98	
		<i>For 3" WG (Class B), Add</i>	83.75		
		<i>For 4" Or 6" WG (Class A), Add</i>	178.66		
		<i>For 10" WG (Class A), Add</i>	256.82		
		<i>For Work In Restricted Working Space, Add</i>	167.49		
23 31 13 13-1112	LF	68" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	648.71	339.91	
		<i>For 3" WG (Class B), Add</i>	84.98		
		<i>For 4" Or 6" WG (Class A), Add</i>	181.28		
		<i>For 10" WG (Class A), Add</i>	260.59		
		<i>For Work In Restricted Working Space, Add</i>	169.95		
23 31 13 13-1113	LF	68" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	658.12	344.83	
		<i>For 3" WG (Class B), Add</i>	86.21		
		<i>For 4" Or 6" WG (Class A), Add</i>	183.91		
		<i>For 10" WG (Class A), Add</i>	264.38		
		<i>For Work In Restricted Working Space, Add</i>	172.42		
23 31 13 13-1114	LF	68" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	667.51	349.76	
		<i>For 3" WG (Class B), Add</i>	87.44		
		<i>For 4" Or 6" WG (Class A), Add</i>	186.54		
		<i>For 10" WG (Class A), Add</i>	268.15		
		<i>For Work In Restricted Working Space, Add</i>	174.88		
23 31 13 13-1115	LF	70" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	658.12	344.83	
		<i>For 3" WG (Class B), Add</i>	86.21		
		<i>For 4" Or 6" WG (Class A), Add</i>	183.91		
		<i>For 10" WG (Class A), Add</i>	264.38		
		<i>For Work In Restricted Working Space, Add</i>	172.42		
23 31 13 13-1116	LF	70" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	667.51	349.76	
		<i>For 3" WG (Class B), Add</i>	87.44		
		<i>For 4" Or 6" WG (Class A), Add</i>	186.54		
		<i>For 10" WG (Class A), Add</i>	268.15		
		<i>For Work In Restricted Working Space, Add</i>	174.88		
23 31 13 13-1117	LF	70" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	676.93	354.69	
		<i>For 3" WG (Class B), Add</i>	88.67		
		<i>For 4" Or 6" WG (Class A), Add</i>	189.17		
		<i>For 10" WG (Class A), Add</i>	271.93		
		<i>For Work In Restricted Working Space, Add</i>	177.35		
23 31 13 13-1118	LF	70" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	686.33	359.61	
		<i>For 3" WG (Class B), Add</i>	89.90		
		<i>For 4" Or 6" WG (Class A), Add</i>	191.80		
		<i>For 10" WG (Class A), Add</i>	275.71		
		<i>For Work In Restricted Working Space, Add</i>	179.81		
23 31 13 13-1119	LF	70" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	695.72	364.55	
		<i>For 3" WG (Class B), Add</i>	91.13		
		<i>For 4" Or 6" WG (Class A), Add</i>	194.42		
		<i>For 10" WG (Class A), Add</i>	279.48		
		<i>For Work In Restricted Working Space, Add</i>	182.27		
23 31 13 13-1120	LF	70" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	705.11	369.47	
		<i>For 3" WG (Class B), Add</i>	92.37		
		<i>For 4" Or 6" WG (Class A), Add</i>	197.05		
		<i>For 10" WG (Class A), Add</i>	283.25		
		<i>For Work In Restricted Working Space, Add</i>	184.73		
23 31 13 13-1121	LF	70" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	714.52	374.39	
		<i>For 3" WG (Class B), Add</i>	93.60		
		<i>For 4" Or 6" WG (Class A), Add</i>	199.68		
		<i>For 10" WG (Class A), Add</i>	287.04		
		<i>For Work In Restricted Working Space, Add</i>	187.20		
23 31 13 13-1122	LF	70" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	723.94	379.32	
		<i>For 3" WG (Class B), Add</i>	94.83		
		<i>For 4" Or 6" WG (Class A), Add</i>	202.30		
		<i>For 10" WG (Class A), Add</i>	290.81		
		<i>For Work In Restricted Working Space, Add</i>	189.66		
23 31 13 13-1123	LF	70" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	733.33	384.24	
		<i>For 3" WG (Class B), Add</i>	96.06		
		<i>For 4" Or 6" WG (Class A), Add</i>	204.93		
		<i>For 10" WG (Class A), Add</i>	294.59		
		<i>For Work In Restricted Working Space, Add</i>	192.12		
23 31 13 13-1124	LF	72" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	676.93	354.69	
		<i>For 3" WG (Class B), Add</i>	88.67		
		<i>For 4" Or 6" WG (Class A), Add</i>	189.17		
		<i>For 10" WG (Class A), Add</i>	271.93		
		<i>For Work In Restricted Working Space, Add</i>	177.35		
23 31 13 13-1125	LF	72" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	686.33	359.61	
		<i>For 3" WG (Class B), Add</i>	89.90		
		<i>For 4" Or 6" WG (Class A), Add</i>	191.80		
		<i>For 10" WG (Class A), Add</i>	275.71		
		<i>For Work In Restricted Working Space, Add</i>	179.81		
23 31 13 13-1126	LF	72" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	695.72	364.55	
		<i>For 3" WG (Class B), Add</i>	91.13		
		<i>For 4" Or 6" WG (Class A), Add</i>	194.42		
		<i>For 10" WG (Class A), Add</i>	279.48		
		<i>For Work In Restricted Working Space, Add</i>	182.27		
23 31 13 13-1127	LF	72" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	705.11	369.47	
		<i>For 3" WG (Class B), Add</i>	92.37		
		<i>For 4" Or 6" WG (Class A), Add</i>	197.05		
		<i>For 10" WG (Class A), Add</i>	283.25		
		<i>For Work In Restricted Working Space, Add</i>	184.73		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1128 LF 72" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	714.52	374.39
<i>For 3" WG (Class B), Add</i>	93.60	
<i>For 4" Or 6" WG (Class A), Add</i>	199.68	
<i>For 10" WG (Class A), Add</i>	287.04	
<i>For Work In Restricted Working Space, Add</i>	187.20	
23 31 13 13-1129 LF 72" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	723.94	379.32
<i>For 3" WG (Class B), Add</i>	94.83	
<i>For 4" Or 6" WG (Class A), Add</i>	202.30	
<i>For 10" WG (Class A), Add</i>	290.81	
<i>For Work In Restricted Working Space, Add</i>	189.66	
23 31 13 13-1130 LF 72" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	733.33	384.24
<i>For 3" WG (Class B), Add</i>	96.06	
<i>For 4" Or 6" WG (Class A), Add</i>	204.93	
<i>For 10" WG (Class A), Add</i>	294.59	
<i>For Work In Restricted Working Space, Add</i>	192.12	
23 31 13 13-1131 LF 72" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	742.73	389.17
<i>For 3" WG (Class B), Add</i>	97.29	
<i>For 4" Or 6" WG (Class A), Add</i>	207.56	
<i>For 10" WG (Class A), Add</i>	298.37	
<i>For Work In Restricted Working Space, Add</i>	194.59	
23 31 13 13-1132 LF 74" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	695.72	364.55
<i>For 3" WG (Class B), Add</i>	91.13	
<i>For 4" Or 6" WG (Class A), Add</i>	194.42	
<i>For 10" WG (Class A), Add</i>	279.48	
<i>For Work In Restricted Working Space, Add</i>	182.27	
23 31 13 13-1133 LF 74" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	705.11	369.47
<i>For 3" WG (Class B), Add</i>	92.37	
<i>For 4" Or 6" WG (Class A), Add</i>	197.05	
<i>For 10" WG (Class A), Add</i>	283.25	
<i>For Work In Restricted Working Space, Add</i>	184.73	
23 31 13 13-1134 LF 74" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	714.52	374.39
<i>For 3" WG (Class B), Add</i>	93.60	
<i>For 4" Or 6" WG (Class A), Add</i>	199.68	
<i>For 10" WG (Class A), Add</i>	287.04	
<i>For Work In Restricted Working Space, Add</i>	187.20	
23 31 13 13-1135 LF 74" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	723.94	379.32
<i>For 3" WG (Class B), Add</i>	94.83	
<i>For 4" Or 6" WG (Class A), Add</i>	202.30	
<i>For 10" WG (Class A), Add</i>	290.81	
<i>For Work In Restricted Working Space, Add</i>	189.66	
23 31 13 13-1136 LF 74" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	733.33	384.24
<i>For 3" WG (Class B), Add</i>	96.06	
<i>For 4" Or 6" WG (Class A), Add</i>	204.93	
<i>For 10" WG (Class A), Add</i>	294.59	
<i>For Work In Restricted Working Space, Add</i>	192.12	
23 31 13 13-1137 LF 74" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	742.73	389.17
<i>For 3" WG (Class B), Add</i>	97.29	
<i>For 4" Or 6" WG (Class A), Add</i>	207.56	
<i>For 10" WG (Class A), Add</i>	298.37	
<i>For Work In Restricted Working Space, Add</i>	194.59	
23 31 13 13-1138 LF 74" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	752.12	394.10
<i>For 3" WG (Class B), Add</i>	98.52	
<i>For 4" Or 6" WG (Class A), Add</i>	210.18	
<i>For 10" WG (Class A), Add</i>	302.14	
<i>For Work In Restricted Working Space, Add</i>	197.05	
23 31 13 13-1139 LF 76" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	714.52	374.39
<i>For 3" WG (Class B), Add</i>	93.60	
<i>For 4" Or 6" WG (Class A), Add</i>	199.68	
<i>For 10" WG (Class A), Add</i>	287.04	
<i>For Work In Restricted Working Space, Add</i>	187.20	
23 31 13 13-1140 LF 76" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	723.94	379.32
<i>For 3" WG (Class B), Add</i>	94.83	
<i>For 4" Or 6" WG (Class A), Add</i>	202.30	
<i>For 10" WG (Class A), Add</i>	290.81	
<i>For Work In Restricted Working Space, Add</i>	189.66	
23 31 13 13-1141 LF 76" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	733.33	384.24
<i>For 3" WG (Class B), Add</i>	96.06	
<i>For 4" Or 6" WG (Class A), Add</i>	204.93	
<i>For 10" WG (Class A), Add</i>	294.59	
<i>For Work In Restricted Working Space, Add</i>	192.12	
23 31 13 13-1142 LF 76" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	742.73	389.17
<i>For 3" WG (Class B), Add</i>	97.29	
<i>For 4" Or 6" WG (Class A), Add</i>	207.56	
<i>For 10" WG (Class A), Add</i>	298.37	
<i>For Work In Restricted Working Space, Add</i>	194.59	
23 31 13 13-1143 LF 76" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	752.12	394.10
<i>For 3" WG (Class B), Add</i>	98.52	
<i>For 4" Or 6" WG (Class A), Add</i>	210.18	
<i>For 10" WG (Class A), Add</i>	302.14	
<i>For Work In Restricted Working Space, Add</i>	197.05	
23 31 13 13-1144 LF 76" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	761.53	399.02
<i>For 3" WG (Class B), Add</i>	99.76	
<i>For 4" Or 6" WG (Class A), Add</i>	212.81	
<i>For 10" WG (Class A), Add</i>	305.92	
<i>For Work In Restricted Working Space, Add</i>	199.51	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1145	LF		78" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	733.33	384.24
			<i>For 3" WG (Class B), Add</i>	96.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	204.93	
			<i>For 10" WG (Class A), Add</i>	294.59	
			<i>For Work In Restricted Working Space, Add</i>	192.12	
23 31 13 13-1146	LF		78" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	742.73	389.17
			<i>For 3" WG (Class B), Add</i>	97.29	
			<i>For 4" Or 6" WG (Class A), Add</i>	207.56	
			<i>For 10" WG (Class A), Add</i>	298.37	
			<i>For Work In Restricted Working Space, Add</i>	194.59	
23 31 13 13-1147	LF		78" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	752.12	394.10
			<i>For 3" WG (Class B), Add</i>	98.52	
			<i>For 4" Or 6" WG (Class A), Add</i>	210.18	
			<i>For 10" WG (Class A), Add</i>	302.14	
			<i>For Work In Restricted Working Space, Add</i>	197.05	
23 31 13 13-1148	LF		78" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	761.53	399.02
			<i>For 3" WG (Class B), Add</i>	99.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	212.81	
			<i>For 10" WG (Class A), Add</i>	305.92	
			<i>For Work In Restricted Working Space, Add</i>	199.51	
23 31 13 13-1149	LF		78" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	770.93	403.94
			<i>For 3" WG (Class B), Add</i>	100.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	215.44	
			<i>For 10" WG (Class A), Add</i>	309.69	
			<i>For Work In Restricted Working Space, Add</i>	201.97	
23 31 13 13-1150	LF		80" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	752.12	394.10
			<i>For 3" WG (Class B), Add</i>	98.52	
			<i>For 4" Or 6" WG (Class A), Add</i>	210.18	
			<i>For 10" WG (Class A), Add</i>	302.14	
			<i>For Work In Restricted Working Space, Add</i>	197.05	
23 31 13 13-1151	LF		80" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	761.53	399.02
			<i>For 3" WG (Class B), Add</i>	99.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	212.81	
			<i>For 10" WG (Class A), Add</i>	305.92	
			<i>For Work In Restricted Working Space, Add</i>	199.51	
23 31 13 13-1152	LF		80" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	770.93	403.94
			<i>For 3" WG (Class B), Add</i>	100.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	215.44	
			<i>For 10" WG (Class A), Add</i>	309.69	
			<i>For Work In Restricted Working Space, Add</i>	201.97	
23 31 13 13-1153	LF		80" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	788.55	413.80
			<i>For 3" WG (Class B), Add</i>	103.45	
			<i>For 4" Or 6" WG (Class A), Add</i>	220.69	
			<i>For 10" WG (Class A), Add</i>	317.25	
			<i>For Work In Restricted Working Space, Add</i>	206.90	
23 31 13 13-1154	LF		82" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	770.93	403.94
			<i>For 3" WG (Class B), Add</i>	100.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	215.44	
			<i>For 10" WG (Class A), Add</i>	309.69	
			<i>For Work In Restricted Working Space, Add</i>	201.97	
23 31 13 13-1155	LF		82" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	780.34	408.88
			<i>For 3" WG (Class B), Add</i>	102.22	
			<i>For 4" Or 6" WG (Class A), Add</i>	218.07	
			<i>For 10" WG (Class A), Add</i>	313.47	
			<i>For Work In Restricted Working Space, Add</i>	204.44	
23 31 13 13-1156	LF		82" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	789.74	413.80
			<i>For 3" WG (Class B), Add</i>	103.45	
			<i>For 4" Or 6" WG (Class A), Add</i>	220.69	
			<i>For 10" WG (Class A), Add</i>	317.25	
			<i>For Work In Restricted Working Space, Add</i>	206.90	
23 31 13 13-1157	LF		84" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	789.74	413.80
			<i>For 3" WG (Class B), Add</i>	103.45	
			<i>For 4" Or 6" WG (Class A), Add</i>	220.69	
			<i>For 10" WG (Class A), Add</i>	317.25	
			<i>For Work In Restricted Working Space, Add</i>	206.90	
23 31 13 13-1158	LF		84" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	799.14	418.73
			<i>For 3" WG (Class B), Add</i>	104.68	
			<i>For 4" Or 6" WG (Class A), Add</i>	223.32	
			<i>For 10" WG (Class A), Add</i>	321.02	
			<i>For Work In Restricted Working Space, Add</i>	209.36	
23 31 13 13-1159	LF		86" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	808.53	423.66
			<i>For 3" WG (Class B), Add</i>	105.91	
			<i>For 4" Or 6" WG (Class A), Add</i>	225.95	
			<i>For 10" WG (Class A), Add</i>	324.80	
			<i>For Work In Restricted Working Space, Add</i>	211.83	

**23 31 13 13-1160 Rework Sheet Metal Ductwork** (23 31 13 13)

Note: Includes removal of existing ductwork and installation of ductwork. Excludes new ductwork.

23 31 13 13-1161	LF	Up To 1 SF Cross Section, Rework Existing Ductwork.....	29.15
23 31 13 13-1162	LF	>1 To 2 SF Cross Section, Rework Existing Ductwork.....	56.83
23 31 13 13-1163	LF	>2 To 4 SF Cross Section, Rework Existing Ductwork.....	75.09
23 31 13 13-1164	LF	>4 To 6 SF Cross Section, Rework Existing Ductwork.....	94.04
23 31 13 13-1165	LF	>6 To 8 SF Cross Section, Rework Existing Ductwork.....	131.15
23 31 13 13-1166	LF	>8 To 10 SF Cross Section, Rework Existing Ductwork.....	153.01
23 31 13 13-1167	LF	>10 To 12 SF Cross Section, Rework Existing Ductwork.....	174.86



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 31 13 13-1168 LF >12 To 14 SF Cross Section, Rework Existing Ductwork ..... 196.73

**23 31 13 16 Round and Flat-Oval Spiral Ducts (23 31 13)**

23 31 13 16-0001

**Low Pressure Round And Flat-Oval Duct (23 31 13 16)**

Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85 or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.

23 31 13 16-0002

**2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Ducts (23 31 13 16-0001)**

Note: Includes straps and supports.

23 31 13 16-0003	LF	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct .....	6.09	2.48
		For 3" WG (Class B), Add	0.76	
		For 4" Or 6" WG (Class A), Add	2.03	
		For 28 Gauge, Deduct	-0.14	
		For 24 Gauge, Add	0.14	
		For 22 Gauge, Add	0.28	
		For 20 Gauge, Add	0.42	
		For 18 Gauge, Add	0.56	
		For 16 Gauge, Add	0.68	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.75	
		For Work In Restricted Working Space, Add	1.52	
		For Elevated Installation >10' To 15', Add	0.51	
		For Elevated Installation >15' To 20', Add	1.02	
		For Elevated Installation >20' To 25', Add	1.27	
		For Elevated Installation >25' To 30', Add	1.78	
		For Elevated Installation >30' To 35', Add	2.03	
		For Elevated Installation >35' To 40', Add	2.54	
		For Elevated Installation >40', Add	2.79	
23 31 13 16-0004	LF	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct .....	6.93	2.82
		For 3" WG (Class B), Add	0.85	
		For 4" Or 6" WG (Class A), Add	2.26	
		For 28 Gauge, Deduct	-0.18	
		For 24 Gauge, Add	0.18	
		For 22 Gauge, Add	0.36	
		For 20 Gauge, Add	0.53	
		For 18 Gauge, Add	0.71	
		For 16 Gauge, Add	0.87	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.95	
		For Work In Restricted Working Space, Add	1.69	
		For Elevated Installation >10' To 15', Add	0.56	
		For Elevated Installation >15' To 20', Add	1.13	
		For Elevated Installation >20' To 25', Add	1.41	
		For Elevated Installation >25' To 30', Add	1.97	
		For Elevated Installation >30' To 35', Add	2.26	
		For Elevated Installation >35' To 40', Add	2.82	
		For Elevated Installation >40', Add	3.10	
23 31 13 16-0005	LF	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct .....	7.82	3.38
		For 3" WG (Class B), Add	0.95	
		For 4" Or 6" WG (Class A), Add	2.54	
		For 28 Gauge, Deduct	-0.20	
		For 24 Gauge, Add	0.20	
		For 22 Gauge, Add	0.40	
		For 20 Gauge, Add	0.61	
		For 18 Gauge, Add	0.81	
		For 16 Gauge, Add	0.99	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.09	
		For Work In Restricted Working Space, Add	1.91	
		For Elevated Installation >10' To 15', Add	0.64	
		For Elevated Installation >15' To 20', Add	1.27	
		For Elevated Installation >20' To 25', Add	1.59	
		For Elevated Installation >25' To 30', Add	2.22	
		For Elevated Installation >30' To 35', Add	2.54	
		For Elevated Installation >35' To 40', Add	3.18	
		For Elevated Installation >40', Add	3.49	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0006	LF 7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	8.99	3.95
	For 3" WG (Class B), Add	1.09	
	For 4" Or 6" WG (Class A), Add	2.90	
	For 28 Gauge, Deduct	-0.24	
	For 24 Gauge, Add	0.24	
	For 22 Gauge, Add	0.48	
	For 20 Gauge, Add	0.72	
	For 18 Gauge, Add	0.96	
	For 16 Gauge, Add	1.17	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.29	
	For Work In Restricted Working Space, Add	2.18	
	For Elevated Installation >10' To 15', Add	0.73	
	For Elevated Installation >15' To 20', Add	1.45	
	For Elevated Installation >20' To 25', Add	1.81	
	For Elevated Installation >25' To 30', Add	2.54	
	For Elevated Installation >30' To 35', Add	2.90	
	For Elevated Installation >35' To 40', Add	3.63	
	For Elevated Installation >40', Add	3.99	
23 31 13 16-0007	LF 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	10.39	4.51
	For 3" WG (Class B), Add	1.27	
	For 4" Or 6" WG (Class A), Add	3.38	
	For 28 Gauge, Deduct	-0.27	
	For 24 Gauge, Add	0.27	
	For 22 Gauge, Add	0.53	
	For 20 Gauge, Add	0.80	
	For 18 Gauge, Add	1.06	
	For 16 Gauge, Add	1.30	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.43	
	For Work In Restricted Working Space, Add	2.54	
	For Elevated Installation >10' To 15', Add	0.85	
	For Elevated Installation >15' To 20', Add	1.69	
	For Elevated Installation >20' To 25', Add	2.12	
	For Elevated Installation >25' To 30', Add	2.96	
	For Elevated Installation >30' To 35', Add	3.38	
	For Elevated Installation >35' To 40', Add	4.23	
	For Elevated Installation >40', Add	4.65	
23 31 13 16-0008	LF 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	12.53	5.64
	For 3" WG (Class B), Add	1.52	
	For 4" Or 6" WG (Class A), Add	4.06	
	For 28 Gauge, Deduct	-0.33	
	For 24 Gauge, Add	0.33	
	For 22 Gauge, Add	0.66	
	For 20 Gauge, Add	0.99	
	For 18 Gauge, Add	1.31	
	For 16 Gauge, Add	1.61	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.76	
	For Work In Restricted Working Space, Add	3.05	
	For Elevated Installation >10' To 15', Add	1.02	
	For Elevated Installation >15' To 20', Add	2.03	
	For Elevated Installation >20' To 25', Add	2.54	
	For Elevated Installation >25' To 30', Add	3.55	
	For Elevated Installation >30' To 35', Add	4.06	
	For Elevated Installation >35' To 40', Add	5.08	
	For Elevated Installation >40', Add	5.58	
23 31 13 16-0009	LF 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	15.62	7.56
	For 3" WG (Class B), Add	1.90	
	For 4" Or 6" WG (Class A), Add	5.08	
	For 28 Gauge, Deduct	-0.41	
	For 24 Gauge, Add	0.40	
	For 22 Gauge, Add	0.81	
	For 20 Gauge, Add	1.21	
	For 18 Gauge, Add	1.61	
	For 16 Gauge, Add	1.98	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.17	
	For Work In Restricted Working Space, Add	3.81	
	For Elevated Installation >10' To 15', Add	1.27	
	For Elevated Installation >15' To 20', Add	2.54	
	For Elevated Installation >20' To 25', Add	3.17	
	For Elevated Installation >25' To 30', Add	4.44	
	For Elevated Installation >30' To 35', Add	5.08	
	For Elevated Installation >35' To 40', Add	6.35	
	For Elevated Installation >40', Add	6.98	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0010 LF 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct .....	19.28	11.28
For 3" WG (Class B), Add	2.38	
For 4" Or 6" WG (Class A), Add	6.35	
For 28 Gauge, Deduct	-0.47	
For 24 Gauge, Add	0.47	
For 22 Gauge, Add	0.94	
For 20 Gauge, Add	1.41	
For 18 Gauge, Add	1.88	
For 16 Gauge, Add	2.30	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.52	
For Work In Restricted Working Space, Add	4.76	
For Elevated Installation >15' To 15', Add	1.59	
For Elevated Installation >15' To 20', Add	3.17	
For Elevated Installation >20' To 25', Add	3.97	
For Elevated Installation >25' To 30', Add	5.55	
For Elevated Installation >30' To 35', Add	6.35	
For Elevated Installation >35' To 40', Add	7.94	
For Elevated Installation >40', Add	8.73	
23 31 13 16-0011 LF 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct .....	26.21	15.11
For 3" WG (Class B), Add	3.17	
For 4" Or 6" WG (Class A), Add	8.46	
For 28 Gauge, Deduct	-0.70	
For 24 Gauge, Add	0.70	
For 22 Gauge, Add	1.39	
For 20 Gauge, Add	2.09	
For 18 Gauge, Add	2.78	
For 16 Gauge, Add	3.41	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.74	
For Work In Restricted Working Space, Add	6.35	
For Elevated Installation >10' To 15', Add	2.12	
For Elevated Installation >15' To 20', Add	4.23	
For Elevated Installation >20' To 25', Add	5.29	
For Elevated Installation >25' To 30', Add	7.41	
For Elevated Installation >30' To 35', Add	8.46	
For Elevated Installation >35' To 40', Add	10.58	
For Elevated Installation >40', Add	11.64	
23 31 13 16-0012 LF 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct .....	30.99	18.16
For 28 Gauge, Deduct	-0.78	
For 24 Gauge, Add	0.77	
For 22 Gauge, Add	1.55	
For 20 Gauge, Add	2.32	
For 18 Gauge, Add	3.09	
For 16 Gauge, Add	3.79	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.15	
For Work In Restricted Working Space, Add	7.61	
For Elevated Installation >10' To 15', Add	2.54	
For Elevated Installation >15' To 20', Add	5.08	
For Elevated Installation >20' To 25', Add	6.35	
For Elevated Installation >25' To 30', Add	8.88	
For Elevated Installation >30' To 35', Add	10.15	
For Elevated Installation >35' To 40', Add	12.69	
For Elevated Installation >40', Add	13.96	
23 31 13 16-0013 LF 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct .....	35.58	20.98
For 28 Gauge, Deduct	-0.87	
For 24 Gauge, Add	0.86	
For 22 Gauge, Add	1.72	
For 20 Gauge, Add	2.59	
For 18 Gauge, Add	3.44	
For 16 Gauge, Add	4.22	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.63	
For Work In Restricted Working Space, Add	8.80	
For Elevated Installation >10' To 15', Add	2.93	
For Elevated Installation >15' To 20', Add	5.87	
For Elevated Installation >20' To 25', Add	7.33	
For Elevated Installation >25' To 30', Add	10.27	
For Elevated Installation >30' To 35', Add	11.73	
For Elevated Installation >35' To 40', Add	14.67	
For Elevated Installation >40', Add	16.13	

23 31 13 16-0014 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval  
Adjustable Elbows (23 31 13 16-0011)  
Note: Up to 90 degree.

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0015	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable		
			Elbow.....	34.87	15.06
			For 3" WG (Class B), Add	4.52	
			For 4" Or 6" WG (Class A), Add	12.05	
			For 28 Gauge, Deduct	-0.66	
			For 24 Gauge, Add	0.66	
			For 22 Gauge, Add	1.31	
			For 20 Gauge, Add	1.97	
			For 18 Gauge, Add	2.61	
			For 16 Gauge, Add	3.21	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.52	
			For Work In Restricted Working Space, Add	9.04	
			For Elevated Installation >10' To 15', Add	3.01	
			For Elevated Installation >15' To 20', Add	6.02	
			For Elevated Installation >20' To 25', Add	7.53	
			For Elevated Installation >25' To 30', Add	10.54	
			For Elevated Installation >30' To 35', Add	12.05	
			For Elevated Installation >35' To 40', Add	15.06	
			For Elevated Installation >40', Add	16.57	
23 31 13 16-0016	EA		5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable		
			Elbow.....	39.92	17.37
			For 3" WG (Class B), Add	5.21	
			For 4" Or 6" WG (Class A), Add	13.90	
			For 28 Gauge, Deduct	-0.72	
			For 24 Gauge, Add	0.71	
			For 22 Gauge, Add	1.42	
			For 20 Gauge, Add	2.14	
			For 18 Gauge, Add	2.84	
			For 16 Gauge, Add	3.49	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.83	
			For Work In Restricted Working Space, Add	10.43	
			For Elevated Installation >10' To 15', Add	3.48	
			For Elevated Installation >15' To 20', Add	6.95	
			For Elevated Installation >20' To 25', Add	8.69	
			For Elevated Installation >25' To 30', Add	12.16	
			For Elevated Installation >30' To 35', Add	13.90	
			For Elevated Installation >35' To 40', Add	17.38	
			For Elevated Installation >40', Add	19.11	
23 31 13 16-0017	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable		
			Elbow.....	46.88	20.53
			For 3" WG (Class B), Add	6.16	
			For 4" Or 6" WG (Class A), Add	16.42	
			For 28 Gauge, Deduct	-0.81	
			For 24 Gauge, Add	0.80	
			For 22 Gauge, Add	1.60	
			For 20 Gauge, Add	2.41	
			For 18 Gauge, Add	3.20	
			For 16 Gauge, Add	3.93	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.31	
			For Work In Restricted Working Space, Add	12.32	
			For Elevated Installation >10' To 15', Add	4.11	
			For Elevated Installation >15' To 20', Add	8.21	
			For Elevated Installation >20' To 25', Add	10.27	
			For Elevated Installation >25' To 30', Add	14.37	
			For Elevated Installation >30' To 35', Add	16.42	
			For Elevated Installation >35' To 40', Add	20.53	
			For Elevated Installation >40', Add	22.58	
23 31 13 16-0018	EA		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable		
			Elbow.....	59.95	26.39
			For 3" WG (Class B), Add	7.92	
			For 4" Or 6" WG (Class A), Add	21.12	
			For 28 Gauge, Deduct	-0.99	
			For 24 Gauge, Add	0.99	
			For 22 Gauge, Add	1.97	
			For 20 Gauge, Add	2.96	
			For 18 Gauge, Add	3.93	
			For 16 Gauge, Add	4.83	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.29	
			For Work In Restricted Working Space, Add	15.84	
			For Elevated Installation >10' To 15', Add	5.28	
			For Elevated Installation >15' To 20', Add	10.56	
			For Elevated Installation >20' To 25', Add	13.20	
			For Elevated Installation >25' To 30', Add	18.48	
			For Elevated Installation >30' To 35', Add	21.12	
			For Elevated Installation >35' To 40', Add	26.40	
			For Elevated Installation >40', Add	29.04	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 16-0019	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	72.02	32.15
			For 3" WG (Class B), Add	9.65	
			For 4" Or 6" WG (Class A), Add	25.72	
			For 28 Gauge, Deduct	-1.07	
			For 24 Gauge, Add	1.07	
			For 22 Gauge, Add	2.13	
			For 20 Gauge, Add	3.20	
			For 18 Gauge, Add	4.25	
			For 16 Gauge, Add	5.21	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.71	
			For Work In Restricted Working Space, Add	19.29	
			For Elevated Installation >10' To 15', Add	6.43	
			For Elevated Installation >15' To 20', Add	12.86	
			For Elevated Installation >20' To 25', Add	16.08	
			For Elevated Installation >25' To 30', Add	22.51	
			For Elevated Installation >30' To 35', Add	25.72	
			For Elevated Installation >35' To 40', Add	32.15	
			For Elevated Installation >40', Add	35.37	
23 31	13 16-0020	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	110.59	50.20
			For 3" WG (Class B), Add	15.06	
			For 4" Or 6" WG (Class A), Add	40.16	
			For 28 Gauge, Deduct	-1.41	
			For 24 Gauge, Add	1.41	
			For 22 Gauge, Add	2.81	
			For 20 Gauge, Add	4.22	
			For 18 Gauge, Add	5.60	
			For 16 Gauge, Add	6.88	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.54	
			For Work In Restricted Working Space, Add	30.12	
			For Elevated Installation >10' To 15', Add	10.04	
			For Elevated Installation >15' To 20', Add	20.08	
			For Elevated Installation >20' To 25', Add	25.10	
			For Elevated Installation >25' To 30', Add	35.14	
			For Elevated Installation >30' To 35', Add	40.16	
			For Elevated Installation >35' To 40', Add	50.20	
			For Elevated Installation >40', Add	55.22	
23 31	13 16-0021	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	152.55	69.38
			For 3" WG (Class B), Add	20.81	
			For 4" Or 6" WG (Class A), Add	55.50	
			For 28 Gauge, Deduct	-1.91	
			For 24 Gauge, Add	1.90	
			For 22 Gauge, Add	3.80	
			For 20 Gauge, Add	5.71	
			For 18 Gauge, Add	7.59	
			For 16 Gauge, Add	9.32	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.21	
			For Work In Restricted Working Space, Add	41.63	
			For Elevated Installation >10' To 15', Add	13.88	
			For Elevated Installation >15' To 20', Add	27.75	
			For Elevated Installation >20' To 25', Add	34.69	
			For Elevated Installation >25' To 30', Add	48.56	
			For Elevated Installation >30' To 35', Add	55.50	
			For Elevated Installation >35' To 40', Add	69.38	
			For Elevated Installation >40', Add	76.31	
23 31	13 16-0022	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	185.30	82.06
			For 3" WG (Class B), Add	24.62	
			For 4" Or 6" WG (Class A), Add	65.66	
			For 28 Gauge, Deduct	-2.93	
			For 24 Gauge, Add	2.92	
			For 22 Gauge, Add	5.83	
			For 20 Gauge, Add	8.76	
			For 18 Gauge, Add	11.64	
			For 16 Gauge, Add	14.28	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.66	
			For Work In Restricted Working Space, Add	49.24	
			For Elevated Installation >10' To 15', Add	16.41	
			For Elevated Installation >15' To 20', Add	32.83	
			For Elevated Installation >20' To 25', Add	41.04	
			For Elevated Installation >25' To 30', Add	57.45	
			For Elevated Installation >30' To 35', Add	65.66	
			For Elevated Installation >35' To 40', Add	82.07	
			For Elevated Installation >40', Add	90.28	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0023	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	210.82	90.24
			For 3" WG (Class B), Add	27.07	
			For 4" Or 6" WG (Class A), Add	72.20	
			For 28 Gauge, Deduct	-4.20	
			For 24 Gauge, Add	4.19	
			For 22 Gauge, Add	8.36	
			For 20 Gauge, Add	12.56	
			For 18 Gauge, Add	16.68	
			For 16 Gauge, Add	20.47	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.44	
			For Work In Restricted Working Space, Add	54.15	
			For Elevated Installation >10' To 15', Add	18.05	
			For Elevated Installation >15' To 20', Add	36.10	
			For Elevated Installation >20' To 25', Add	45.12	
			For Elevated Installation >25' To 30', Add	63.17	
			For Elevated Installation >30' To 35', Add	72.20	
			For Elevated Installation >35' To 40', Add	90.25	
			For Elevated Installation >40', Add	99.27	
23 31 13 16-0024	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	233.23	93.91
			For 3" WG (Class B), Add	28.17	
			For 4" Or 6" WG (Class A), Add	75.13	
			For 28 Gauge, Deduct	-6.29	
			For 24 Gauge, Add	6.27	
			For 22 Gauge, Add	12.51	
			For 20 Gauge, Add	18.80	
			For 18 Gauge, Add	24.98	
			For 16 Gauge, Add	30.65	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.60	
			For Work In Restricted Working Space, Add	56.35	
			For Elevated Installation >10' To 15', Add	18.78	
			For Elevated Installation >15' To 20', Add	37.56	
			For Elevated Installation >20' To 25', Add	46.96	
			For Elevated Installation >25' To 30', Add	65.74	
			For Elevated Installation >30' To 35', Add	75.13	
			For Elevated Installation >35' To 40', Add	93.91	
			For Elevated Installation >40', Add	103.30	
			For 10" WG (Class A), Add	86.40	
23 31 13 16-0025	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	254.56	97.01
			For 3" WG (Class B), Add	29.10	
			For 4" Or 6" WG (Class A), Add	77.61	
			For 28 Gauge, Deduct	-8.38	
			For 24 Gauge, Add	8.35	
			For 22 Gauge, Add	16.68	
			For 20 Gauge, Add	25.06	
			For 18 Gauge, Add	33.30	
			For 16 Gauge, Add	40.86	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	44.80	
			For Work In Restricted Working Space, Add	58.21	
			For Elevated Installation >10' To 15', Add	19.40	
			For Elevated Installation >15' To 20', Add	38.80	
			For Elevated Installation >20' To 25', Add	48.51	
			For Elevated Installation >25' To 30', Add	67.91	
			For Elevated Installation >30' To 35', Add	77.61	
			For Elevated Installation >35' To 40', Add	97.01	
			For Elevated Installation >40', Add	106.71	
			For 10" WG (Class A), Add	89.25	
23 31 13 16-0026			2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows <small>(23 31 13 16-0001)</small>		
23 31 13 16-0027	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	29.37	10.15
			For 3" WG (Class B), Add	3.81	
			For 4" Or 6" WG (Class A), Add	10.15	
			For 28 Gauge, Deduct	-0.55	
			For 24 Gauge, Add	0.55	
			For 22 Gauge, Add	1.10	
			For 20 Gauge, Add	1.65	
			For 18 Gauge, Add	2.19	
			For 16 Gauge, Add	2.69	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.95	
			For Work In Restricted Working Space, Add	7.61	
			For Elevated Installation >10' To 15', Add	2.54	
			For Elevated Installation >15' To 20', Add	5.08	
			For Elevated Installation >20' To 25', Add	6.35	
			For Elevated Installation >25' To 30', Add	8.88	
			For Elevated Installation >30' To 35', Add	10.15	
			For Elevated Installation >35' To 40', Add	12.69	
			For Elevated Installation >40', Add	13.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0028 EA 5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	33.55	11.62
For 3" WG (Class B), Add	4.35	
For 4" Or 6" WG (Class A), Add	11.60	
For 28 Gauge, Deduct	-0.63	
For 24 Gauge, Add	0.63	
For 22 Gauge, Add	1.25	
For 20 Gauge, Add	1.88	
For 18 Gauge, Add	2.50	
For 16 Gauge, Add	3.07	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.37	
For Work In Restricted Working Space, Add	8.70	
For Elevated Installation >10' To 15', Add	2.90	
For Elevated Installation >15' To 20', Add	5.80	
For Elevated Installation >20' To 25', Add	7.25	
For Elevated Installation >25' To 30', Add	10.15	
For Elevated Installation >30' To 35', Add	11.60	
For Elevated Installation >35' To 40', Add	14.50	
For Elevated Installation >40', Add	15.95	
23 31 13 16-0029 EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	39.03	13.54
For 3" WG (Class B), Add	5.08	
For 4" Or 6" WG (Class A), Add	13.54	
For 28 Gauge, Deduct	-0.72	
For 24 Gauge, Add	0.72	
For 22 Gauge, Add	1.43	
For 20 Gauge, Add	2.15	
For 18 Gauge, Add	2.85	
For 16 Gauge, Add	3.50	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.84	
For Work In Restricted Working Space, Add	10.15	
For Elevated Installation >10' To 15', Add	3.38	
For Elevated Installation >15' To 20', Add	6.77	
For Elevated Installation >20' To 25', Add	8.46	
For Elevated Installation >25' To 30', Add	11.84	
For Elevated Installation >30' To 35', Add	13.54	
For Elevated Installation >35' To 40', Add	16.92	
For Elevated Installation >40', Add	18.61	
23 31 13 16-0030 EA 7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	46.10	16.24
For 3" WG (Class B), Add	6.09	
For 4" Or 6" WG (Class A), Add	16.24	
For 28 Gauge, Deduct	-0.76	
For 24 Gauge, Add	0.76	
For 22 Gauge, Add	1.51	
For 20 Gauge, Add	2.27	
For 18 Gauge, Add	3.02	
For 16 Gauge, Add	3.71	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.06	
For Work In Restricted Working Space, Add	12.18	
For Elevated Installation >10' To 15', Add	4.06	
For Elevated Installation >15' To 20', Add	8.12	
For Elevated Installation >20' To 25', Add	10.15	
For Elevated Installation >25' To 30', Add	14.21	
For Elevated Installation >30' To 35', Add	16.24	
For Elevated Installation >35' To 40', Add	20.31	
For Elevated Installation >40', Add	22.34	
23 31 13 16-0031 EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	57.14	20.31
For 3" WG (Class B), Add	7.61	
For 4" Or 6" WG (Class A), Add	20.30	
For 28 Gauge, Deduct	-0.88	
For 24 Gauge, Add	0.88	
For 22 Gauge, Add	1.76	
For 20 Gauge, Add	2.64	
For 18 Gauge, Add	3.51	
For 16 Gauge, Add	4.31	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.72	
For Work In Restricted Working Space, Add	15.23	
For Elevated Installation >10' To 15', Add	5.08	
For Elevated Installation >15' To 20', Add	10.15	
For Elevated Installation >20' To 25', Add	12.69	
For Elevated Installation >25' To 30', Add	17.77	
For Elevated Installation >30' To 35', Add	20.30	
For Elevated Installation >35' To 40', Add	25.38	
For Elevated Installation >40', Add	27.92	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

23 31 13 16-0032	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	76.80	27.07
		For 3" WG (Class B), Add	10.15	
		For 4" Or 6" WG (Class A), Add	27.08	
		For 28 Gauge, Deduct	-1.26	
		For 24 Gauge, Add	1.26	
		For 22 Gauge, Add	2.51	
		For 20 Gauge, Add	3.77	
		For 18 Gauge, Add	5.01	
		For 16 Gauge, Add	6.15	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.74	
		For Work In Restricted Working Space, Add	20.31	
		For Elevated Installation >10' To 15', Add	6.77	
		For Elevated Installation >15' To 20', Add	13.54	
		For Elevated Installation >20' To 25', Add	16.92	
		For Elevated Installation >25' To 30', Add	23.69	
		For Elevated Installation >30' To 35', Add	27.08	
		For Elevated Installation >35' To 40', Add	33.85	
		For Elevated Installation >40', Add	37.23	
23 31 13 16-0033	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	113.58	40.61
		For 3" WG (Class B), Add	15.23	
		For 4" Or 6" WG (Class A), Add	40.61	
		For 28 Gauge, Deduct	-1.67	
		For 24 Gauge, Add	1.66	
		For 22 Gauge, Add	3.32	
		For 20 Gauge, Add	4.99	
		For 18 Gauge, Add	6.63	
		For 16 Gauge, Add	8.13	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.92	
		For Work In Restricted Working Space, Add	30.46	
		For Elevated Installation >10' To 15', Add	10.15	
		For Elevated Installation >15' To 20', Add	20.31	
		For Elevated Installation >20' To 25', Add	25.38	
		For Elevated Installation >25' To 30', Add	35.54	
		For Elevated Installation >30' To 35', Add	40.61	
		For Elevated Installation >35' To 40', Add	50.77	
		For Elevated Installation >40', Add	55.84	
23 31 13 16-0034	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	152.28	51.89
		For 3" WG (Class B), Add	19.46	
		For 4" Or 6" WG (Class A), Add	51.89	
		For 28 Gauge, Deduct	-3.12	
		For 24 Gauge, Add	3.11	
		For 22 Gauge, Add	6.22	
		For 20 Gauge, Add	9.34	
		For 18 Gauge, Add	12.41	
		For 16 Gauge, Add	15.23	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.69	
		For Work In Restricted Working Space, Add	38.92	
		For Elevated Installation >10' To 15', Add	12.97	
		For Elevated Installation >15' To 20', Add	25.94	
		For Elevated Installation >20' To 25', Add	32.43	
		For Elevated Installation >25' To 30', Add	45.40	
		For Elevated Installation >30' To 35', Add	51.89	
		For Elevated Installation >35' To 40', Add	64.86	
		For Elevated Installation >40', Add	71.35	
23 31 13 16-0035	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	191.18	65.43
		For 3" WG (Class B), Add	24.54	
		For 4" Or 6" WG (Class A), Add	65.43	
		For 28 Gauge, Deduct	-3.82	
		For 24 Gauge, Add	3.81	
		For 22 Gauge, Add	7.61	
		For 20 Gauge, Add	11.43	
		For 18 Gauge, Add	15.19	
		For 16 Gauge, Add	18.64	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.43	
		For Work In Restricted Working Space, Add	49.07	
		For Elevated Installation >10' To 15', Add	16.36	
		For Elevated Installation >15' To 20', Add	32.71	
		For Elevated Installation >20' To 25', Add	40.89	
		For Elevated Installation >25' To 30', Add	57.25	
		For Elevated Installation >30' To 35', Add	65.43	
		For Elevated Installation >35' To 40', Add	81.79	
		For Elevated Installation >40', Add	89.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0036 EA 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	213.22	68.25
For 3" WG (Class B), Add	25.55	
For 4" Or 6" WG (Class A), Add	68.13	
For 28 Gauge, Deduct	-5.94	
For 24 Gauge, Add	5.92	
For 22 Gauge, Add	11.82	
For 20 Gauge, Add	17.76	
For 18 Gauge, Add	23.59	
For 16 Gauge, Add	28.95	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.74	
For Work In Restricted Working Space, Add	51.10	
For Elevated Installation >10' To 15', Add	17.03	
For Elevated Installation >15' To 20', Add	34.07	
For Elevated Installation >20' To 25', Add	42.58	
For Elevated Installation >25' To 30', Add	59.62	
For Elevated Installation >30' To 35', Add	68.13	
For Elevated Installation >35' To 40', Add	85.17	
For Elevated Installation >40', Add	93.68	
For 10" WG (Class A), Add	78.35	
23 31 13 16-0037 EA 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	232.02	69.94
For 3" WG (Class B), Add	26.23	
For 4" Or 6" WG (Class A), Add	69.94	
For 28 Gauge, Deduct	-7.92	
For 24 Gauge, Add	7.89	
For 22 Gauge, Add	15.75	
For 20 Gauge, Add	23.67	
For 18 Gauge, Add	31.45	
For 16 Gauge, Add	38.60	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	42.31	
For Work In Restricted Working Space, Add	52.45	
For Elevated Installation >10' To 15', Add	17.48	
For Elevated Installation >15' To 20', Add	34.97	
For Elevated Installation >20' To 25', Add	43.71	
For Elevated Installation >25' To 30', Add	61.19	
For Elevated Installation >30' To 35', Add	69.94	
For Elevated Installation >35' To 40', Add	87.42	
For Elevated Installation >40', Add	96.16	
For 10" WG (Class A), Add	80.43	
<b>23 31 13 16-0038 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows (23 31 13 16-0001)</b>		
23 31 13 16-0039 EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	27.89	10.15
For 3" WG (Class B), Add	3.81	
For 4" Or 6" WG (Class A), Add	10.15	
For 28 Gauge, Deduct	-0.35	
For 24 Gauge, Add	0.35	
For 22 Gauge, Add	0.69	
For 20 Gauge, Add	1.04	
For 18 Gauge, Add	1.38	
For 16 Gauge, Add	1.69	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.86	
For Work In Restricted Working Space, Add	7.61	
For Elevated Installation >10' To 15', Add	2.54	
For Elevated Installation >15' To 20', Add	5.08	
For Elevated Installation >20' To 25', Add	6.35	
For Elevated Installation >25' To 30', Add	8.88	
For Elevated Installation >30' To 35', Add	10.15	
For Elevated Installation >35' To 40', Add	12.69	
For Elevated Installation >40', Add	13.96	
23 31 13 16-0040 EA 5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	32.22	11.62
For 3" WG (Class B), Add	4.35	
For 4" Or 6" WG (Class A), Add	11.60	
For 28 Gauge, Deduct	-0.45	
For 24 Gauge, Add	0.44	
For 22 Gauge, Add	0.89	
For 20 Gauge, Add	1.33	
For 18 Gauge, Add	1.77	
For 16 Gauge, Add	2.17	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.38	
For Work In Restricted Working Space, Add	8.70	
For Elevated Installation >10' To 15', Add	2.90	
For Elevated Installation >15' To 20', Add	5.80	
For Elevated Installation >20' To 25', Add	7.25	
For Elevated Installation >25' To 30', Add	10.15	
For Elevated Installation >30' To 35', Add	11.60	
For Elevated Installation >35' To 40', Add	14.50	
For Elevated Installation >40', Add	15.95	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0041	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	37.36	13.54
			For 3" WG (Class B), Add	5.08	
			For 4" Or 6" WG (Class A), Add	13.54	
			For 28 Gauge, Deduct	-0.49	
			For 24 Gauge, Add	0.49	
			For 22 Gauge, Add	0.97	
			For 20 Gauge, Add	1.46	
			For 18 Gauge, Add	1.94	
			For 16 Gauge, Add	2.38	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.60	
			For Work In Restricted Working Space, Add	10.15	
			For Elevated Installation >10' To 15', Add	3.38	
			For Elevated Installation >15' To 20', Add	6.77	
			For Elevated Installation >20' To 25', Add	8.46	
			For Elevated Installation >25' To 30', Add	11.84	
			For Elevated Installation >30' To 35', Add	13.54	
			For Elevated Installation >35' To 40', Add	16.92	
			For Elevated Installation >40', Add	18.61	
23 31 13 16-0042	EA		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	44.69	16.24
			For 3" WG (Class B), Add	6.09	
			For 4" Or 6" WG (Class A), Add	16.24	
			For 28 Gauge, Deduct	-0.57	
			For 24 Gauge, Add	0.56	
			For 22 Gauge, Add	1.12	
			For 20 Gauge, Add	1.69	
			For 18 Gauge, Add	2.24	
			For 16 Gauge, Add	2.75	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.02	
			For Work In Restricted Working Space, Add	12.18	
			For Elevated Installation >10' To 15', Add	4.06	
			For Elevated Installation >15' To 20', Add	8.12	
			For Elevated Installation >20' To 25', Add	10.15	
			For Elevated Installation >25' To 30', Add	14.21	
			For Elevated Installation >30' To 35', Add	16.24	
			For Elevated Installation >35' To 40', Add	20.31	
			For Elevated Installation >40', Add	22.34	
23 31 13 16-0043	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	55.40	20.31
			For 3" WG (Class B), Add	7.61	
			For 4" Or 6" WG (Class A), Add	20.30	
			For 28 Gauge, Deduct	-0.64	
			For 24 Gauge, Add	0.64	
			For 22 Gauge, Add	1.28	
			For 20 Gauge, Add	1.92	
			For 18 Gauge, Add	2.55	
			For 16 Gauge, Add	3.13	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.43	
			For Work In Restricted Working Space, Add	15.23	
			For Elevated Installation >10' To 15', Add	5.08	
			For Elevated Installation >15' To 20', Add	10.15	
			For Elevated Installation >20' To 25', Add	12.69	
			For Elevated Installation >25' To 30', Add	17.77	
			For Elevated Installation >30' To 35', Add	20.30	
			For Elevated Installation >35' To 40', Add	25.38	
			For Elevated Installation >40', Add	27.92	
23 31 13 16-0044	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	74.77	27.07
			For 3" WG (Class B), Add	10.15	
			For 4" Or 6" WG (Class A), Add	27.08	
			For 28 Gauge, Deduct	-0.98	
			For 24 Gauge, Add	0.98	
			For 22 Gauge, Add	1.95	
			For 20 Gauge, Add	2.93	
			For 18 Gauge, Add	3.89	
			For 16 Gauge, Add	4.78	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.24	
			For Work In Restricted Working Space, Add	20.31	
			For Elevated Installation >10' To 15', Add	6.77	
			For Elevated Installation >15' To 20', Add	13.54	
			For Elevated Installation >20' To 25', Add	16.92	
			For Elevated Installation >25' To 30', Add	23.69	
			For Elevated Installation >30' To 35', Add	27.08	
			For Elevated Installation >35' To 40', Add	33.85	
			For Elevated Installation >40', Add	37.23	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0045 EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	110.64	40.61
For 3" WG (Class B), Add	15.23	
For 4" Or 6" WG (Class A), Add	40.61	
For 28 Gauge, Deduct	-1.26	
For 24 Gauge, Add	1.26	
For 22 Gauge, Add	2.51	
For 20 Gauge, Add	3.77	
For 18 Gauge, Add	5.01	
For 16 Gauge, Add	6.15	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.74	
For Work In Restricted Working Space, Add	30.46	
For Elevated Installation >10' To 15', Add	10.15	
For Elevated Installation >15' To 20', Add	20.31	
For Elevated Installation >20' To 25', Add	25.38	
For Elevated Installation >25' To 30', Add	35.54	
For Elevated Installation >30' To 35', Add	40.61	
For Elevated Installation >35' To 40', Add	50.77	
For Elevated Installation >40', Add	55.84	
23 31 13 16-0046 EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	145.49	51.89
For 3" WG (Class B), Add	19.46	
For 4" Or 6" WG (Class A), Add	51.89	
For 28 Gauge, Deduct	-2.18	
For 24 Gauge, Add	2.18	
For 22 Gauge, Add	4.34	
For 20 Gauge, Add	6.53	
For 18 Gauge, Add	8.67	
For 16 Gauge, Add	10.64	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.67	
For Work In Restricted Working Space, Add	38.92	
For Elevated Installation >10' To 15', Add	12.97	
For Elevated Installation >15' To 20', Add	25.94	
For Elevated Installation >20' To 25', Add	32.43	
For Elevated Installation >25' To 30', Add	45.40	
For Elevated Installation >30' To 35', Add	51.89	
For Elevated Installation >35' To 40', Add	64.86	
For Elevated Installation >40', Add	71.35	
23 31 13 16-0047 EA 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	189.43	65.43
For 3" WG (Class B), Add	24.54	
For 4" Or 6" WG (Class A), Add	65.43	
For 28 Gauge, Deduct	-3.58	
For 24 Gauge, Add	3.57	
For 22 Gauge, Add	7.12	
For 20 Gauge, Add	10.71	
For 18 Gauge, Add	14.22	
For 16 Gauge, Add	17.46	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.14	
For Work In Restricted Working Space, Add	49.07	
For Elevated Installation >10' To 15', Add	16.36	
For Elevated Installation >15' To 20', Add	32.71	
For Elevated Installation >20' To 25', Add	40.89	
For Elevated Installation >25' To 30', Add	57.25	
For Elevated Installation >30' To 35', Add	65.43	
For Elevated Installation >35' To 40', Add	81.79	
For Elevated Installation >40', Add	89.96	
23 31 13 16-0048 EA 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	201.58	68.25
For 3" WG (Class B), Add	25.55	
For 4" Or 6" WG (Class A), Add	68.13	
For 28 Gauge, Deduct	-4.33	
For 24 Gauge, Add	4.31	
For 22 Gauge, Add	8.61	
For 20 Gauge, Add	12.94	
For 18 Gauge, Add	17.19	
For 16 Gauge, Add	21.09	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.13	
For Work In Restricted Working Space, Add	51.10	
For Elevated Installation >10' To 15', Add	17.03	
For Elevated Installation >15' To 20', Add	34.07	
For Elevated Installation >20' To 25', Add	42.58	
For Elevated Installation >25' To 30', Add	59.62	
For Elevated Installation >30' To 35', Add	68.13	
For Elevated Installation >35' To 40', Add	85.17	
For Elevated Installation >40', Add	93.68	
For 10" WG (Class A), Add	78.35	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 31 13 16-0049	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	214.88	69.94
		For 3" WG (Class B), Add	26.23	
		For 4" Or 6" WG (Class A), Add	69.94	
		For 28 Gauge, Deduct	-5.55	
		For 24 Gauge, Add	5.53	
		For 22 Gauge, Add	11.03	
		For 20 Gauge, Add	16.58	
		For 18 Gauge, Add	22.02	
		For 16 Gauge, Add	27.03	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.63	
		For Work In Restricted Working Space, Add	52.45	
		For Elevated Installation >10' To 15', Add	17.48	
		For Elevated Installation >15' To 20', Add	34.97	
		For Elevated Installation >20' To 25', Add	43.71	
		For Elevated Installation >25' To 30', Add	61.19	
		For Elevated Installation >30' To 35', Add	69.94	
		For Elevated Installation >35' To 40', Add	87.42	
		For Elevated Installation >40', Add	96.16	
		For 10" WG (Class A), Add	80.43	
23 31 13 16-0050		<b>2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tees</b> (23 31 13 16-0001)		
23 31 13 16-0051	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	43.66	15.23
		For 3" WG (Class B), Add	5.71	
		For 4" Or 6" WG (Class A), Add	15.23	
		For 28 Gauge, Deduct	-0.77	
		For 24 Gauge, Add	0.77	
		For 22 Gauge, Add	1.54	
		For 20 Gauge, Add	2.31	
		For 18 Gauge, Add	3.07	
		For 16 Gauge, Add	3.77	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.14	
		For Work In Restricted Working Space, Add	11.42	
		For Elevated Installation >10' To 15', Add	3.81	
		For Elevated Installation >15' To 20', Add	7.61	
		For Elevated Installation >20' To 25', Add	9.52	
		For Elevated Installation >25' To 30', Add	13.32	
		For Elevated Installation >30' To 35', Add	15.23	
		For Elevated Installation >35' To 40', Add	19.04	
		For Elevated Installation >40', Add	20.94	
23 31 13 16-0052	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	50.94	17.37
		For 3" WG (Class B), Add	6.53	
		For 4" Or 6" WG (Class A), Add	17.40	
		For 28 Gauge, Deduct	-1.03	
		For 24 Gauge, Add	1.03	
		For 22 Gauge, Add	2.05	
		For 20 Gauge, Add	3.08	
		For 18 Gauge, Add	4.09	
		For 16 Gauge, Add	5.02	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.50	
		For Work In Restricted Working Space, Add	13.05	
		For Elevated Installation >10' To 15', Add	4.35	
		For Elevated Installation >15' To 20', Add	8.70	
		For Elevated Installation >20' To 25', Add	10.88	
		For Elevated Installation >25' To 30', Add	15.23	
		For Elevated Installation >30' To 35', Add	17.40	
		For Elevated Installation >35' To 40', Add	21.76	
		For Elevated Installation >40', Add	23.93	
23 31 13 16-0053	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	58.82	20.31
		For 3" WG (Class B), Add	7.61	
		For 4" Or 6" WG (Class A), Add	20.30	
		For 28 Gauge, Deduct	-1.12	
		For 24 Gauge, Add	1.11	
		For 22 Gauge, Add	2.22	
		For 20 Gauge, Add	3.34	
		For 18 Gauge, Add	4.43	
		For 16 Gauge, Add	5.44	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.96	
		For Work In Restricted Working Space, Add	15.23	
		For Elevated Installation >10' To 15', Add	5.08	
		For Elevated Installation >15' To 20', Add	10.15	
		For Elevated Installation >20' To 25', Add	12.69	
		For Elevated Installation >25' To 30', Add	17.77	
		For Elevated Installation >30' To 35', Add	20.30	
		For Elevated Installation >35' To 40', Add	25.38	
		For Elevated Installation >40', Add	27.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0054 EA 7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	70.19	24.37
For 3" WG (Class B), Add	9.14	
For 4" Or 6" WG (Class A), Add	24.36	
For 28 Gauge, Deduct	-1.29	
For 24 Gauge, Add	1.28	
For 22 Gauge, Add	2.56	
For 20 Gauge, Add	3.84	
For 18 Gauge, Add	5.10	
For 16 Gauge, Add	6.26	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.87	
For Work In Restricted Working Space, Add	18.27	
For Elevated Installation >10' To 15', Add	6.09	
For Elevated Installation >15' To 20', Add	12.18	
For Elevated Installation >20' To 25', Add	15.23	
For Elevated Installation >25' To 30', Add	21.32	
For Elevated Installation >30' To 35', Add	24.36	
For Elevated Installation >35' To 40', Add	30.46	
For Elevated Installation >40', Add	33.50	
23 31 13 16-0055 EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	91.15	30.45
For 3" WG (Class B), Add	11.42	
For 4" Or 6" WG (Class A), Add	30.46	
For 28 Gauge, Deduct	-2.08	
For 24 Gauge, Add	2.07	
For 22 Gauge, Add	4.13	
For 20 Gauge, Add	6.21	
For 18 Gauge, Add	8.25	
For 16 Gauge, Add	10.13	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.10	
For Work In Restricted Working Space, Add	22.85	
For Elevated Installation >10' To 15', Add	7.62	
For Elevated Installation >15' To 20', Add	15.23	
For Elevated Installation >20' To 25', Add	19.04	
For Elevated Installation >25' To 30', Add	26.65	
For Elevated Installation >30' To 35', Add	30.46	
For Elevated Installation >35' To 40', Add	38.08	
For Elevated Installation >40', Add	41.88	
23 31 13 16-0056 EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	120.66	40.61
For 3" WG (Class B), Add	15.23	
For 4" Or 6" WG (Class A), Add	40.61	
For 28 Gauge, Deduct	-2.65	
For 24 Gauge, Add	2.64	
For 22 Gauge, Add	5.27	
For 20 Gauge, Add	7.92	
For 18 Gauge, Add	10.52	
For 16 Gauge, Add	12.91	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.16	
For Work In Restricted Working Space, Add	30.46	
For Elevated Installation >10' To 15', Add	10.15	
For Elevated Installation >15' To 20', Add	20.31	
For Elevated Installation >20' To 25', Add	25.38	
For Elevated Installation >25' To 30', Add	35.54	
For Elevated Installation >30' To 35', Add	40.61	
For Elevated Installation >35' To 40', Add	50.77	
For Elevated Installation >40', Add	55.84	
23 31 13 16-0057 EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	171.39	60.92
For 3" WG (Class B), Add	22.84	
For 4" Or 6" WG (Class A), Add	60.90	
For 28 Gauge, Deduct	-2.65	
For 24 Gauge, Add	2.64	
For 22 Gauge, Add	5.27	
For 20 Gauge, Add	7.92	
For 18 Gauge, Add	10.52	
For 16 Gauge, Add	12.91	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.16	
For Work In Restricted Working Space, Add	45.68	
For Elevated Installation >10' To 15', Add	15.23	
For Elevated Installation >15' To 20', Add	30.45	
For Elevated Installation >20' To 25', Add	38.07	
For Elevated Installation >25' To 30', Add	53.29	
For Elevated Installation >30' To 35', Add	60.90	
For Elevated Installation >35' To 40', Add	76.13	
For Elevated Installation >40', Add	83.74	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0058	EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	230.93	77.61
	For 3" WG (Class B), Add	29.17	
	For 4" Or 6" WG (Class A), Add	77.80	
	For 28 Gauge, Deduct	-5.05	
	For 24 Gauge, Add	5.03	
	For 22 Gauge, Add	10.04	
	For 20 Gauge, Add	15.09	
	For 18 Gauge, Add	20.04	
	For 16 Gauge, Add	24.60	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.97	
	For Work In Restricted Working Space, Add	58.35	
	For Elevated Installation >10' To 15', Add	19.45	
	For Elevated Installation >15' To 20', Add	38.90	
	For Elevated Installation >20' To 25', Add	48.62	
	For Elevated Installation >25' To 30', Add	68.07	
	For Elevated Installation >30' To 35', Add	77.80	
	For Elevated Installation >35' To 40', Add	97.25	
	For Elevated Installation >40', Add	106.97	
23 31 13 16-0059	EA 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	296.38	98.36
	For 3" WG (Class B), Add	36.78	
	For 4" Or 6" WG (Class A), Add	98.09	
	For 28 Gauge, Deduct	-7.08	
	For 24 Gauge, Add	7.06	
	For 22 Gauge, Add	14.09	
	For 20 Gauge, Add	21.18	
	For 18 Gauge, Add	28.13	
	For 16 Gauge, Add	34.53	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	37.85	
	For Work In Restricted Working Space, Add	73.57	
	For Elevated Installation >10' To 15', Add	24.52	
	For Elevated Installation >15' To 20', Add	49.05	
	For Elevated Installation >20' To 25', Add	61.31	
	For Elevated Installation >25' To 30', Add	85.83	
	For Elevated Installation >30' To 35', Add	98.09	
	For Elevated Installation >35' To 40', Add	122.62	
	For Elevated Installation >40', Add	134.88	
23 31 13 16-0060	EA 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	339.28	109.42
	For 3" WG (Class B), Add	41.12	
	For 4" Or 6" WG (Class A), Add	109.64	
	For 28 Gauge, Deduct	-9.03	
	For 24 Gauge, Add	8.99	
	For 22 Gauge, Add	17.95	
	For 20 Gauge, Add	26.98	
	For 18 Gauge, Add	35.84	
	For 16 Gauge, Add	43.99	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	48.23	
	For Work In Restricted Working Space, Add	82.23	
	For Elevated Installation >10' To 15', Add	27.41	
	For Elevated Installation >15' To 20', Add	54.82	
	For Elevated Installation >20' To 25', Add	68.53	
	For Elevated Installation >25' To 30', Add	95.94	
	For Elevated Installation >30' To 35', Add	109.64	
	For Elevated Installation >35' To 40', Add	137.06	
	For Elevated Installation >40', Add	150.76	
	For 10" WG (Class A), Add	126.09	
23 31 13 16-0061	EA 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	355.46	113.37
	For 3" WG (Class B), Add	42.47	
	For 4" Or 6" WG (Class A), Add	113.26	
	For 28 Gauge, Deduct	-10.02	
	For 24 Gauge, Add	9.98	
	For 22 Gauge, Add	19.92	
	For 20 Gauge, Add	29.94	
	For 18 Gauge, Add	39.78	
	For 16 Gauge, Add	48.82	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	53.52	
	For Work In Restricted Working Space, Add	84.94	
	For Elevated Installation >10' To 15', Add	28.31	
	For Elevated Installation >15' To 20', Add	56.63	
	For Elevated Installation >20' To 25', Add	70.79	
	For Elevated Installation >25' To 30', Add	99.10	
	For Elevated Installation >30' To 35', Add	113.26	
	For Elevated Installation >35' To 40', Add	141.57	
	For Elevated Installation >40', Add	155.73	
	For 10" WG (Class A), Add	130.24	

23 31 13 16-0062 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connectors (23 31 13 16-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0063 EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	19.93	
For 3" WG (Class B), Add	2.71	
For 4" Or 6" WG (Class A), Add	7.22	
For Work In Restricted Working Space, Add	5.42	
For Elevated Installation >10' To 15', Add	1.81	
For Elevated Installation >15' To 20', Add	3.61	
For Elevated Installation >20' To 25', Add	4.51	
For Elevated Installation >25' To 30', Add	6.32	
For Elevated Installation >30' To 35', Add	7.22	
For Elevated Installation >35' To 40', Add	9.03	
For Elevated Installation >40', Add	9.93	
23 31 13 16-0064 EA 5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	20.99	
For 3" WG (Class B), Add	2.85	
For 4" Or 6" WG (Class A), Add	7.59	
For Work In Restricted Working Space, Add	5.69	
For Elevated Installation >10' To 15', Add	1.90	
For Elevated Installation >15' To 20', Add	3.79	
For Elevated Installation >20' To 25', Add	4.74	
For Elevated Installation >25' To 30', Add	6.64	
For Elevated Installation >30' To 35', Add	7.59	
For Elevated Installation >35' To 40', Add	9.49	
For Elevated Installation >40', Add	10.43	
23 31 13 16-0065 EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	22.48	
For 3" WG (Class B), Add	3.05	
For 4" Or 6" WG (Class A), Add	8.12	
For Work In Restricted Working Space, Add	6.09	
For Elevated Installation >10' To 15', Add	2.03	
For Elevated Installation >15' To 20', Add	4.06	
For Elevated Installation >20' To 25', Add	5.08	
For Elevated Installation >25' To 30', Add	7.11	
For Elevated Installation >30' To 35', Add	8.12	
For Elevated Installation >35' To 40', Add	10.16	
For Elevated Installation >40', Add	11.17	
23 31 13 16-0066 EA 7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	23.92	
For 3" WG (Class B), Add	3.22	
For 4" Or 6" WG (Class A), Add	8.58	
For Work In Restricted Working Space, Add	6.43	
For Elevated Installation >10' To 15', Add	2.14	
For Elevated Installation >15' To 20', Add	4.29	
For Elevated Installation >20' To 25', Add	5.36	
For Elevated Installation >25' To 30', Add	7.50	
For Elevated Installation >30' To 35', Add	8.58	
For Elevated Installation >35' To 40', Add	10.72	
For Elevated Installation >40', Add	11.79	
23 31 13 16-0067 EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	25.92	
For 3" WG (Class B), Add	3.47	
For 4" Or 6" WG (Class A), Add	9.25	
For Work In Restricted Working Space, Add	6.94	
For Elevated Installation >10' To 15', Add	2.31	
For Elevated Installation >15' To 20', Add	4.62	
For Elevated Installation >20' To 25', Add	5.78	
For Elevated Installation >25' To 30', Add	8.09	
For Elevated Installation >30' To 35', Add	9.25	
For Elevated Installation >35' To 40', Add	11.56	
For Elevated Installation >40', Add	12.72	
23 31 13 16-0068 EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	30.24	
For 3" WG (Class B), Add	3.87	
For 4" Or 6" WG (Class A), Add	10.33	
For Work In Restricted Working Space, Add	7.75	
For Elevated Installation >10' To 15', Add	2.58	
For Elevated Installation >15' To 20', Add	5.17	
For Elevated Installation >20' To 25', Add	6.46	
For Elevated Installation >25' To 30', Add	9.04	
For Elevated Installation >30' To 35', Add	10.33	
For Elevated Installation >35' To 40', Add	12.92	
For Elevated Installation >40', Add	14.21	
23 31 13 16-0069 EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	41.43	
For 3" WG (Class B), Add	5.42	
For 4" Or 6" WG (Class A), Add	14.44	
For Work In Restricted Working Space, Add	10.83	
For Elevated Installation >10' To 15', Add	3.61	
For Elevated Installation >15' To 20', Add	7.22	
For Elevated Installation >20' To 25', Add	9.03	
For Elevated Installation >25' To 30', Add	12.64	
For Elevated Installation >30' To 35', Add	14.44	
For Elevated Installation >35' To 40', Add	18.05	
For Elevated Installation >40', Add	19.86	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 31 13 16-0070	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	47.26		
		For 3" WG (Class B), Add	6.16		
		For 4" Or 6" WG (Class A), Add	16.43		
		For Work In Restricted Working Space, Add	12.32		
		For Elevated Installation >10' To 15', Add	4.11		
		For Elevated Installation >15' To 20', Add	8.21		
		For Elevated Installation >20' To 25', Add	10.27		
		For Elevated Installation >25' To 30', Add	14.37		
		For Elevated Installation >30' To 35', Add	16.43		
		For Elevated Installation >35' To 40', Add	20.54		
		For Elevated Installation >40', Add	22.59		
23 31 13 16-0071	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	51.96		
		For 3" WG (Class B), Add	6.75		
		For 4" Or 6" WG (Class A), Add	18.01		
		For Work In Restricted Working Space, Add	13.51		
		For Elevated Installation >10' To 15', Add	4.50		
		For Elevated Installation >15' To 20', Add	9.00		
		For Elevated Installation >20' To 25', Add	11.26		
		For Elevated Installation >25' To 30', Add	15.76		
		For Elevated Installation >30' To 35', Add	18.01		
		For Elevated Installation >35' To 40', Add	22.51		
		For Elevated Installation >40', Add	24.76		
23 31 13 16-0072	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	56.48		
		For 3" WG (Class B), Add	7.31		
		For 4" Or 6" WG (Class A), Add	19.49		
		For Work In Restricted Working Space, Add	14.62		
		For Elevated Installation >10' To 15', Add	4.87		
		For Elevated Installation >15' To 20', Add	9.75		
		For Elevated Installation >20' To 25', Add	12.18		
		For Elevated Installation >25' To 30', Add	17.06		
		For Elevated Installation >30' To 35', Add	19.49		
		For Elevated Installation >35' To 40', Add	24.37		
		For Elevated Installation >40', Add	26.80		
		For 10" WG (Class A), Add	22.42		
23 31 13 16-0073	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	61.54		
		For 3" WG (Class B), Add	7.97		
		For 4" Or 6" WG (Class A), Add	21.25		
		For Work In Restricted Working Space, Add	15.94		
		For Elevated Installation >10' To 15', Add	5.31		
		For Elevated Installation >15' To 20', Add	10.63		
		For Elevated Installation >20' To 25', Add	13.28		
		For Elevated Installation >25' To 30', Add	18.60		
		For Elevated Installation >30' To 35', Add	21.25		
		For Elevated Installation >35' To 40', Add	26.57		
		For Elevated Installation >40', Add	29.22		
		For 10" WG (Class A), Add	24.44		
23 31 13 16-0074		Slip Joint, Galvanized, Spiral Duct And Fittings <small>(23 31 13 16)</small>			
23 31 13 16-0075		Slip Joint, Galvanized, Spiral Duct <small>(23 31 13 16-0074)</small>			
23 31 13 16-0076	LF	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	9.26		1.04
		For 3" WG (Class B), Add	0.84		
		For 4" Or 6" WG (Class A), Add	2.23		
		For 24 Gauge, Add	0.74		
		For 22 Gauge, Add	1.69		
		For 20 Gauge, Add	2.76		
		For 18 Gauge, Add	4.23		
		For 16 Gauge, Add	5.15		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.72		
		For Work In Restricted Working Space, Add	1.67		
23 31 13 16-0077	LF	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	12.02		2.09
		For 3" WG (Class B), Add	1.00		
		For 4" Or 6" WG (Class A), Add	2.68		
		For 24 Gauge, Add	1.07		
		For 22 Gauge, Add	2.45		
		For 20 Gauge, Add	4.00		
		For 18 Gauge, Add	6.13		
		For 16 Gauge, Add	7.46		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.94		
		For Work In Restricted Working Space, Add	2.01		
23 31 13 16-0078	LF	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	15.32		2.09
		For 3" WG (Class B), Add	1.25		
		For 4" Or 6" WG (Class A), Add	3.32		
		For 24 Gauge, Add	1.40		
		For 22 Gauge, Add	3.23		
		For 20 Gauge, Add	5.27		
		For 18 Gauge, Add	8.07		
		For 16 Gauge, Add	9.83		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.19		
		For Work In Restricted Working Space, Add	2.49		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0079 LF 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	18.65	2.09
For 3" WG (Class B), Add	1.50	
For 4" Or 6" WG (Class A), Add	3.99	
For 24 Gauge, Add	1.73	
For 22 Gauge, Add	3.99	
For 20 Gauge, Add	6.50	
For 18 Gauge, Add	9.97	
For 16 Gauge, Add	12.14	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.42	
For Work In Restricted Working Space, Add	2.99	
23 31 13 16-0080 LF 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	23.16	3.12
For 3" WG (Class B), Add	1.88	
For 4" Or 6" WG (Class A), Add	5.00	
For 24 Gauge, Add	2.13	
For 22 Gauge, Add	4.90	
For 20 Gauge, Add	8.00	
For 18 Gauge, Add	12.26	
For 16 Gauge, Add	14.92	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.89	
For Work In Restricted Working Space, Add	3.75	
23 31 13 16-0081 LF 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	27.97	3.12
For 3" WG (Class B), Add	2.34	
For 4" Or 6" WG (Class A), Add	6.25	
For 24 Gauge, Add	2.47	
For 22 Gauge, Add	5.68	
For 20 Gauge, Add	9.26	
For 18 Gauge, Add	14.20	
For 16 Gauge, Add	17.29	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.14	
For Work In Restricted Working Space, Add	4.69	
23 31 13 16-0082 LF 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	38.75	3.12
For 3" WG (Class B), Add	3.12	
For 4" Or 6" WG (Class A), Add	8.32	
For 24 Gauge, Add	3.59	
For 22 Gauge, Add	8.26	
For 20 Gauge, Add	13.46	
For 18 Gauge, Add	20.64	
For 16 Gauge, Add	25.13	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.28	
For Work In Restricted Working Space, Add	6.24	
23 31 13 16-0083 LF 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	44.14	4.16
For 3" WG (Class B), Add	3.64	
For 4" Or 6" WG (Class A), Add	9.70	
For 24 Gauge, Add	3.98	
For 22 Gauge, Add	9.15	
For 20 Gauge, Add	14.93	
For 18 Gauge, Add	22.89	
For 16 Gauge, Add	27.86	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.73	
For Work In Restricted Working Space, Add	7.27	
23 31 13 16-0084 LF 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	49.73	4.16
For 3" WG (Class B), Add	4.13	
For 4" Or 6" WG (Class A), Add	11.01	
For 24 Gauge, Add	4.44	
For 22 Gauge, Add	10.21	
For 20 Gauge, Add	16.65	
For 18 Gauge, Add	25.53	
For 16 Gauge, Add	31.08	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.43	
For Work In Restricted Working Space, Add	8.26	
23 31 13 16-0085 LF 22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	55.55	5.21
For 3" WG (Class B), Add	4.65	
For 4" Or 6" WG (Class A), Add	12.40	
For 24 Gauge, Add	4.91	
For 22 Gauge, Add	11.29	
For 20 Gauge, Add	18.41	
For 18 Gauge, Add	28.22	
For 16 Gauge, Add	34.36	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	18.16	
For Work In Restricted Working Space, Add	9.30	
23 31 13 16-0086 LF 24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	61.36	6.25
For 3" WG (Class B), Add	5.21	
For 4" Or 6" WG (Class A), Add	13.88	
For 24 Gauge, Add	5.33	
For 22 Gauge, Add	12.26	
For 20 Gauge, Add	20.00	
For 18 Gauge, Add	30.66	
For 16 Gauge, Add	37.32	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.73	
For Work In Restricted Working Space, Add	10.41	

23 31 13 16-0087 Slip Joint, Galvanized, Spiral 90 Degree Elbows (23 31 13 16-0074)

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 16-0088	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	66.51		14.57
		<i>For 3" WG (Class B), Add</i>		8.44	
		<i>For 4" Or 6" WG (Class A), Add</i>		22.51	
		<i>For 24 Gauge, Add</i>		2.05	
		<i>For 22 Gauge, Add</i>		4.71	
		<i>For 20 Gauge, Add</i>		7.68	
		<i>For 18 Gauge, Add</i>		11.78	
		<i>For 16 Gauge, Add</i>		14.34	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		7.58	
		<i>For Work In Restricted Working Space, Add</i>		16.88	
23 31 13 16-0089	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	97.82		20.82
		<i>For 3" WG (Class B), Add</i>		12.49	
		<i>For 4" Or 6" WG (Class A), Add</i>		33.32	
		<i>For 24 Gauge, Add</i>		2.91	
		<i>For 22 Gauge, Add</i>		6.68	
		<i>For 20 Gauge, Add</i>		10.90	
		<i>For 18 Gauge, Add</i>		16.71	
		<i>For 16 Gauge, Add</i>		20.34	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		10.75	
		<i>For Work In Restricted Working Space, Add</i>		24.99	
23 31 13 16-0090	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	137.32		27.07
		<i>For 3" WG (Class B), Add</i>		16.44	
		<i>For 4" Or 6" WG (Class A), Add</i>		43.84	
		<i>For 24 Gauge, Add</i>		5.54	
		<i>For 22 Gauge, Add</i>		12.75	
		<i>For 20 Gauge, Add</i>		20.79	
		<i>For 18 Gauge, Add</i>		31.88	
		<i>For 16 Gauge, Add</i>		38.81	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		20.51	
		<i>For Work In Restricted Working Space, Add</i>		32.88	
23 31 13 16-0091	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	171.46		34.36
		<i>For 3" WG (Class B), Add</i>		20.82	
		<i>For 4" Or 6" WG (Class A), Add</i>		55.53	
		<i>For 24 Gauge, Add</i>		6.53	
		<i>For 22 Gauge, Add</i>		15.01	
		<i>For 20 Gauge, Add</i>		24.48	
		<i>For 18 Gauge, Add</i>		37.54	
		<i>For 16 Gauge, Add</i>		45.70	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		24.15	
		<i>For Work In Restricted Working Space, Add</i>		41.65	
23 31 13 16-0092	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	211.85		43.73
		<i>For 3" WG (Class B), Add</i>		26.03	
		<i>For 4" Or 6" WG (Class A), Add</i>		69.41	
		<i>For 24 Gauge, Add</i>		7.66	
		<i>For 22 Gauge, Add</i>		17.63	
		<i>For 20 Gauge, Add</i>		28.74	
		<i>For 18 Gauge, Add</i>		44.07	
		<i>For 16 Gauge, Add</i>		53.65	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		28.36	
		<i>For Work In Restricted Working Space, Add</i>		52.06	
23 31 13 16-0093	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	231.96		47.89
		<i>For 3" WG (Class B), Add</i>		28.40	
		<i>For 4" Or 6" WG (Class A), Add</i>		75.72	
		<i>For 24 Gauge, Add</i>		8.53	
		<i>For 22 Gauge, Add</i>		19.62	
		<i>For 20 Gauge, Add</i>		32.00	
		<i>For 18 Gauge, Add</i>		49.06	
		<i>For 16 Gauge, Add</i>		59.72	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		31.57	
		<i>For Work In Restricted Working Space, Add</i>		56.79	
23 31 13 16-0094	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	273.84		56.22
		<i>For 3" WG (Class B), Add</i>		33.59	
		<i>For 4" Or 6" WG (Class A), Add</i>		89.56	
		<i>For 24 Gauge, Add</i>		9.99	
		<i>For 22 Gauge, Add</i>		22.97	
		<i>For 20 Gauge, Add</i>		37.45	
		<i>For 18 Gauge, Add</i>		57.42	
		<i>For 16 Gauge, Add</i>		69.90	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		36.95	
		<i>For Work In Restricted Working Space, Add</i>		67.17	
23 31 13 16-0095	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	335.09		69.76
		<i>For 3" WG (Class B), Add</i>		41.65	
		<i>For 4" Or 6" WG (Class A), Add</i>		111.06	
		<i>For 24 Gauge, Add</i>		11.49	
		<i>For 22 Gauge, Add</i>		26.43	
		<i>For 20 Gauge, Add</i>		43.09	
		<i>For 18 Gauge, Add</i>		66.07	
		<i>For 16 Gauge, Add</i>		80.43	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		42.51	
		<i>For Work In Restricted Working Space, Add</i>		83.29	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0096 EA 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	403.67	84.33
For 3" WG (Class B), Add	50.38	
For 4" Or 6" WG (Class A), Add	134.34	
For 24 Gauge, Add	13.56	
For 22 Gauge, Add	31.20	
For 20 Gauge, Add	50.87	
For 18 Gauge, Add	77.99	
For 16 Gauge, Add	94.95	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	50.19	
For Work In Restricted Working Space, Add	100.76	
23 31 13 16-0097 EA 22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	469.86	97.87
For 3" WG (Class B), Add	58.93	
For 4" Or 6" WG (Class A), Add	157.16	
For 24 Gauge, Add	15.39	
For 22 Gauge, Add	35.41	
For 20 Gauge, Add	57.73	
For 18 Gauge, Add	88.52	
For 16 Gauge, Add	107.76	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	56.96	
For Work In Restricted Working Space, Add	117.87	
23 31 13 16-0098 EA 24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	538.04	111.40
For 3" WG (Class B), Add	66.46	
For 4" Or 6" WG (Class A), Add	177.22	
For 24 Gauge, Add	19.00	
For 22 Gauge, Add	43.70	
For 20 Gauge, Add	71.24	
For 18 Gauge, Add	109.24	
For 16 Gauge, Add	132.99	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	70.29	
For Work In Restricted Working Space, Add	132.92	
<b>23 31 13 16-0099 Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows <small>(23 31 13 16-0074)</small></b>		
23 31 13 16-0100 EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	66.99	14.57
For 3" WG (Class B), Add	8.44	
For 4" Or 6" WG (Class A), Add	22.51	
For 24 Gauge, Add	2.14	
For 22 Gauge, Add	4.93	
For 20 Gauge, Add	8.04	
For 18 Gauge, Add	12.33	
For 16 Gauge, Add	15.01	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.93	
For Work In Restricted Working Space, Add	16.88	
23 31 13 16-0101 EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	95.33	20.82
For 3" WG (Class B), Add	12.49	
For 4" Or 6" WG (Class A), Add	33.32	
For 24 Gauge, Add	2.41	
For 22 Gauge, Add	5.54	
For 20 Gauge, Add	9.03	
For 18 Gauge, Add	13.85	
For 16 Gauge, Add	16.86	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.91	
For Work In Restricted Working Space, Add	24.99	
23 31 13 16-0102 EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	125.75	27.07
For 3" WG (Class B), Add	16.44	
For 4" Or 6" WG (Class A), Add	43.84	
For 24 Gauge, Add	3.23	
For 22 Gauge, Add	7.43	
For 20 Gauge, Add	12.11	
For 18 Gauge, Add	18.57	
For 16 Gauge, Add	22.61	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.95	
For Work In Restricted Working Space, Add	32.88	
23 31 13 16-0103 EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	159.01	34.36
For 3" WG (Class B), Add	20.82	
For 4" Or 6" WG (Class A), Add	55.53	
For 24 Gauge, Add	4.04	
For 22 Gauge, Add	9.29	
For 20 Gauge, Add	15.14	
For 18 Gauge, Add	23.22	
For 16 Gauge, Add	28.27	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.94	
For Work In Restricted Working Space, Add	41.65	
23 31 13 16-0104 EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	196.99	43.73
For 3" WG (Class B), Add	26.03	
For 4" Or 6" WG (Class A), Add	69.41	
For 24 Gauge, Add	4.69	
For 22 Gauge, Add	10.79	
For 20 Gauge, Add	17.60	
For 18 Gauge, Add	26.98	
For 16 Gauge, Add	32.84	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.36	
For Work In Restricted Working Space, Add	52.06	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0105	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	215.38	47.89
			<i>For 3" WG (Class B), Add</i>	28.40	
			<i>For 4" Or 6" WG (Class A), Add</i>	75.72	
			<i>For 24 Gauge, Add</i>	5.22	
			<i>For 22 Gauge, Add</i>	12.00	
			<i>For 20 Gauge, Add</i>	19.56	
			<i>For 18 Gauge, Add</i>	29.99	
			<i>For 16 Gauge, Add</i>	36.51	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	19.30	
			<i>For Work In Restricted Working Space, Add</i>	56.79	
23 31 13 16-0106	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	266.66	56.22
			<i>For 3" WG (Class B), Add</i>	33.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	89.56	
			<i>For 24 Gauge, Add</i>	8.55	
			<i>For 22 Gauge, Add</i>	19.67	
			<i>For 20 Gauge, Add</i>	32.06	
			<i>For 18 Gauge, Add</i>	49.16	
			<i>For 16 Gauge, Add</i>	59.85	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	31.64	
			<i>For Work In Restricted Working Space, Add</i>	67.17	
23 31 13 16-0107	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	330.01	69.76
			<i>For 3" WG (Class B), Add</i>	41.65	
			<i>For 4" Or 6" WG (Class A), Add</i>	111.06	
			<i>For 24 Gauge, Add</i>	10.47	
			<i>For 22 Gauge, Add</i>	24.09	
			<i>For 20 Gauge, Add</i>	39.28	
			<i>For 18 Gauge, Add</i>	60.23	
			<i>For 16 Gauge, Add</i>	73.32	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	38.75	
			<i>For Work In Restricted Working Space, Add</i>	83.29	
23 31 13 16-0108	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	402.11	84.33
			<i>For 3" WG (Class B), Add</i>	50.38	
			<i>For 4" Or 6" WG (Class A), Add</i>	134.34	
			<i>For 24 Gauge, Add</i>	13.25	
			<i>For 22 Gauge, Add</i>	30.48	
			<i>For 20 Gauge, Add</i>	49.70	
			<i>For 18 Gauge, Add</i>	76.20	
			<i>For 16 Gauge, Add</i>	92.76	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	49.03	
			<i>For Work In Restricted Working Space, Add</i>	100.76	
23 31 13 16-0109	EA		22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	452.20	97.87
			<i>For 3" WG (Class B), Add</i>	58.93	
			<i>For 4" Or 6" WG (Class A), Add</i>	157.16	
			<i>For 24 Gauge, Add</i>	11.86	
			<i>For 22 Gauge, Add</i>	27.28	
			<i>For 20 Gauge, Add</i>	44.48	
			<i>For 18 Gauge, Add</i>	68.21	
			<i>For 16 Gauge, Add</i>	83.03	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	43.89	
			<i>For Work In Restricted Working Space, Add</i>	117.87	
23 31 13 16-0110	EA		24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	531.75	111.40
			<i>For 3" WG (Class B), Add</i>	66.46	
			<i>For 4" Or 6" WG (Class A), Add</i>	177.22	
			<i>For 24 Gauge, Add</i>	17.74	
			<i>For 22 Gauge, Add</i>	40.80	
			<i>For 20 Gauge, Add</i>	66.53	
			<i>For 18 Gauge, Add</i>	102.01	
			<i>For 16 Gauge, Add</i>	124.18	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	65.64	
			<i>For Work In Restricted Working Space, Add</i>	132.92	
<b>23 31 13 16-0111</b>			<b>Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals</b> <small>(23 31 13 16-0074)</small>		
23 31 13 16-0112	EA		6" x 6" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....	132.64	27.07
			<i>For 3" WG (Class B), Add</i>	16.44	
			<i>For 4" Or 6" WG (Class A), Add</i>	43.84	
			<i>For 24 Gauge, Add</i>	4.61	
			<i>For 22 Gauge, Add</i>	10.60	
			<i>For 20 Gauge, Add</i>	17.28	
			<i>For 18 Gauge, Add</i>	26.50	
			<i>For 16 Gauge, Add</i>	32.26	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	17.05	
			<i>For Work In Restricted Working Space, Add</i>	32.88	
23 31 13 16-0113	EA		8" x 8" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....	197.68	43.73
			<i>For 3" WG (Class B), Add</i>	26.03	
			<i>For 4" Or 6" WG (Class A), Add</i>	69.41	
			<i>For 24 Gauge, Add</i>	4.83	
			<i>For 22 Gauge, Add</i>	11.11	
			<i>For 20 Gauge, Add</i>	18.11	
			<i>For 18 Gauge, Add</i>	27.77	
			<i>For 16 Gauge, Add</i>	33.81	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	17.87	
			<i>For Work In Restricted Working Space, Add</i>	52.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0114 EA 10" x 10" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	250.43	56.22
<i>For 3" WG (Class B), Add</i>	33.59	
<i>For 4" Or 6" WG (Class A), Add</i>	89.56	
<i>For 24 Gauge, Add</i>	5.30	
<i>For 22 Gauge, Add</i>	12.20	
<i>For 20 Gauge, Add</i>	19.89	
<i>For 18 Gauge, Add</i>	30.50	
<i>For 16 Gauge, Add</i>	37.13	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	19.62	
<i>For Work In Restricted Working Space, Add</i>	67.17	
23 31 13 16-0115 EA 12" x 12" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	305.34	69.76
<i>For 3" WG (Class B), Add</i>	41.65	
<i>For 4" Or 6" WG (Class A), Add</i>	111.06	
<i>For 24 Gauge, Add</i>	5.54	
<i>For 22 Gauge, Add</i>	12.74	
<i>For 20 Gauge, Add</i>	20.78	
<i>For 18 Gauge, Add</i>	31.86	
<i>For 16 Gauge, Add</i>	38.78	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	20.50	
<i>For Work In Restricted Working Space, Add</i>	83.29	
23 31 13 16-0116 EA 14" x 14" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	364.46	84.33
<i>For 3" WG (Class B), Add</i>	50.38	
<i>For 4" Or 6" WG (Class A), Add</i>	134.34	
<i>For 24 Gauge, Add</i>	5.72	
<i>For 22 Gauge, Add</i>	13.16	
<i>For 20 Gauge, Add</i>	21.46	
<i>For 18 Gauge, Add</i>	32.90	
<i>For 16 Gauge, Add</i>	40.05	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	21.17	
<i>For Work In Restricted Working Space, Add</i>	100.76	
23 31 13 16-0117 EA 16" x 16" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	424.00	97.87
<i>For 3" WG (Class B), Add</i>	58.93	
<i>For 4" Or 6" WG (Class A), Add</i>	157.16	
<i>For 24 Gauge, Add</i>	6.22	
<i>For 22 Gauge, Add</i>	14.31	
<i>For 20 Gauge, Add</i>	23.33	
<i>For 18 Gauge, Add</i>	35.78	
<i>For 16 Gauge, Add</i>	43.55	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	23.02	
<i>For Work In Restricted Working Space, Add</i>	117.87	
23 31 13 16-0118 EA 18" x 18" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	475.42	111.40
<i>For 3" WG (Class B), Add</i>	66.46	
<i>For 4" Or 6" WG (Class A), Add</i>	177.22	
<i>For 24 Gauge, Add</i>	6.47	
<i>For 22 Gauge, Add</i>	14.89	
<i>For 20 Gauge, Add</i>	24.28	
<i>For 18 Gauge, Add</i>	37.23	
<i>For 16 Gauge, Add</i>	45.32	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	23.95	
<i>For Work In Restricted Working Space, Add</i>	132.92	
23 31 13 16-0119 EA 20" x 20" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	541.43	127.02
<i>For 3" WG (Class B), Add</i>	76.18	
<i>For 4" Or 6" WG (Class A), Add</i>	203.15	
<i>For 24 Gauge, Add</i>	6.71	
<i>For 22 Gauge, Add</i>	15.43	
<i>For 20 Gauge, Add</i>	25.16	
<i>For 18 Gauge, Add</i>	38.58	
<i>For 16 Gauge, Add</i>	46.97	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	24.83	
<i>For Work In Restricted Working Space, Add</i>	152.36	
23 31 13 16-0120 EA 22" x 22" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	603.15	140.56
<i>For 3" WG (Class B), Add</i>	84.42	
<i>For 4" Or 6" WG (Class A), Add</i>	225.11	
<i>For 24 Gauge, Add</i>	8.07	
<i>For 22 Gauge, Add</i>	18.57	
<i>For 20 Gauge, Add</i>	30.28	
<i>For 18 Gauge, Add</i>	46.43	
<i>For 16 Gauge, Add</i>	56.52	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	29.87	
<i>For Work In Restricted Working Space, Add</i>	168.83	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 16-0121	EA	24" x 24" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	654.14		153.05
		For 3" WG (Class B), Add	91.87		
		For 4" Or 6" WG (Class A), Add	244.98		
		For 24 Gauge, Add	8.34		
		For 22 Gauge, Add	19.18		
		For 20 Gauge, Add	31.27		
		For 18 Gauge, Add	47.94		
		For 16 Gauge, Add	58.37		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	30.85		
		For Work In Restricted Working Space, Add	183.74		
23 31 13 16-0122	EA	8" x 8" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	209.05		47.16
		For 3" WG (Class B), Add	28.31		
		For 4" Or 6" WG (Class A), Add	75.50		
		For 24 Gauge, Add	4.06		
		For 22 Gauge, Add	9.33		
		For 20 Gauge, Add	15.22		
		For 18 Gauge, Add	23.33		
		For 16 Gauge, Add	28.41		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.01		
		For Work In Restricted Working Space, Add	56.63		
23 31 13 16-0123	EA	10" x 10" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	252.55		56.74
		For 3" WG (Class B), Add	34.04		
		For 4" Or 6" WG (Class A), Add	90.77		
		For 24 Gauge, Add	5.12		
		For 22 Gauge, Add	11.79		
		For 20 Gauge, Add	19.22		
		For 18 Gauge, Add	29.46		
		For 16 Gauge, Add	35.87		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	18.96		
		For Work In Restricted Working Space, Add	68.08		
23 31 13 16-0124	EA	12" x 12" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	306.83		68.92
		For 3" WG (Class B), Add	41.36		
		For 4" Or 6" WG (Class A), Add	110.29		
		For 24 Gauge, Add	6.22		
		For 22 Gauge, Add	14.31		
		For 20 Gauge, Add	23.33		
		For 18 Gauge, Add	35.77		
		For 16 Gauge, Add	43.54		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.01		
		For Work In Restricted Working Space, Add	82.72		
23 31 13 16-0125	EA	14" x 14" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	365.27		81.94
		For 3" WG (Class B), Add	49.23		
		For 4" Or 6" WG (Class A), Add	131.29		
		For 24 Gauge, Add	7.41		
		For 22 Gauge, Add	17.04		
		For 20 Gauge, Add	27.78		
		For 18 Gauge, Add	42.60		
		For 16 Gauge, Add	51.86		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.41		
		For Work In Restricted Working Space, Add	98.47		
23 31 13 16-0126	EA	16" x 16" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	464.11		105.36
		For 3" WG (Class B), Add	63.18		
		For 4" Or 6" WG (Class A), Add	168.47		
		For 24 Gauge, Add	8.59		
		For 22 Gauge, Add	19.75		
		For 20 Gauge, Add	32.20		
		For 18 Gauge, Add	49.37		
		For 16 Gauge, Add	60.10		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.77		
		For Work In Restricted Working Space, Add	126.35		
23 31 13 16-0127	EA	18" x 18" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	515.42		116.92
		For 3" WG (Class B), Add	70.10		
		For 4" Or 6" WG (Class A), Add	186.92		
		For 24 Gauge, Add	9.62		
		For 22 Gauge, Add	22.13		
		For 20 Gauge, Add	36.08		
		For 18 Gauge, Add	55.33		
		For 16 Gauge, Add	67.35		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.60		
		For Work In Restricted Working Space, Add	140.19		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0128 EA 20" x 20" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	585.96	133.06
<i>For 3" WG (Class B), Add</i>	79.68	
<i>For 4" Or 6" WG (Class A), Add</i>	212.48	
<i>For 24 Gauge, Add</i>	10.95	
<i>For 22 Gauge, Add</i>	25.19	
<i>For 20 Gauge, Add</i>	41.07	
<i>For 18 Gauge, Add</i>	62.97	
<i>For 16 Gauge, Add</i>	76.66	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	40.52	
<i>For Work In Restricted Working Space, Add</i>	159.36	
23 31 13 16-0129 EA 22" x 22" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	628.11	141.91
<i>For 3" WG (Class B), Add</i>	85.06	
<i>For 4" Or 6" WG (Class A), Add</i>	226.83	
<i>For 24 Gauge, Add</i>	12.21	
<i>For 22 Gauge, Add</i>	28.07	
<i>For 20 Gauge, Add</i>	45.77	
<i>For 18 Gauge, Add</i>	70.18	
<i>For 16 Gauge, Add</i>	85.44	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	45.16	
<i>For Work In Restricted Working Space, Add</i>	170.12	
23 31 13 16-0130 EA 24" x 24" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	681.48	153.89
<i>For 3" WG (Class B), Add</i>	92.30	
<i>For 4" Or 6" WG (Class A), Add</i>	246.14	
<i>For 24 Gauge, Add</i>	13.23	
<i>For 22 Gauge, Add</i>	30.42	
<i>For 20 Gauge, Add</i>	49.61	
<i>For 18 Gauge, Add</i>	76.06	
<i>For 16 Gauge, Add</i>	92.60	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	48.94	
<i>For Work In Restricted Working Space, Add</i>	184.60	
23 31 13 16-0131 EA 10" x 10" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	276.54	62.47
<i>For 3" WG (Class B), Add</i>	37.43	
<i>For 4" Or 6" WG (Class A), Add</i>	99.82	
<i>For 24 Gauge, Add</i>	5.40	
<i>For 22 Gauge, Add</i>	12.41	
<i>For 20 Gauge, Add</i>	20.24	
<i>For 18 Gauge, Add</i>	31.03	
<i>For 16 Gauge, Add</i>	37.77	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	19.97	
<i>For Work In Restricted Working Space, Add</i>	74.87	
23 31 13 16-0132 EA 12" x 12" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	336.10	76.01
<i>For 3" WG (Class B), Add</i>	45.51	
<i>For 4" Or 6" WG (Class A), Add</i>	121.35	
<i>For 24 Gauge, Add</i>	6.55	
<i>For 22 Gauge, Add</i>	15.06	
<i>For 20 Gauge, Add</i>	24.55	
<i>For 18 Gauge, Add</i>	37.64	
<i>For 16 Gauge, Add</i>	45.82	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	24.22	
<i>For Work In Restricted Working Space, Add</i>	91.01	
23 31 13 16-0133 EA 14" x 14" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	400.01	90.06
<i>For 3" WG (Class B), Add</i>	54.15	
<i>For 4" Or 6" WG (Class A), Add</i>	144.40	
<i>For 24 Gauge, Add</i>	7.80	
<i>For 22 Gauge, Add</i>	17.94	
<i>For 20 Gauge, Add</i>	29.25	
<i>For 18 Gauge, Add</i>	44.85	
<i>For 16 Gauge, Add</i>	54.60	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	28.86	
<i>For Work In Restricted Working Space, Add</i>	108.30	
23 31 13 16-0134 EA 16" x 16" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	464.35	104.95
<i>For 3" WG (Class B), Add</i>	62.87	
<i>For 4" Or 6" WG (Class A), Add</i>	167.66	
<i>For 24 Gauge, Add</i>	9.04	
<i>For 22 Gauge, Add</i>	20.79	
<i>For 20 Gauge, Add</i>	33.90	
<i>For 18 Gauge, Add</i>	51.98	
<i>For 16 Gauge, Add</i>	63.28	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	33.45	
<i>For Work In Restricted Working Space, Add</i>	125.75	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 31 13 16-0135	EA	18" x 18" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	519.63		117.34
		For 3" WG (Class B), Add	70.35		
		For 4" Or 6" WG (Class A), Add	187.60		
		For 24 Gauge, Add	10.13		
		For 22 Gauge, Add	23.29		
		For 20 Gauge, Add	37.98		
		For 18 Gauge, Add	58.24		
		For 16 Gauge, Add	70.90		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	37.47		
		For Work In Restricted Working Space, Add	140.70		
23 31 13 16-0136	EA	20" x 20" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	591.01		133.48
		For 3" WG (Class B), Add	80.01		
		For 4" Or 6" WG (Class A), Add	213.35		
		For 24 Gauge, Add	11.53		
		For 22 Gauge, Add	26.51		
		For 20 Gauge, Add	43.22		
		For 18 Gauge, Add	66.27		
		For 16 Gauge, Add	80.68		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	42.65		
		For Work In Restricted Working Space, Add	160.01		
23 31 13 16-0137	EA	22" x 22" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	659.88		148.89
		For 3" WG (Class B), Add	89.34		
		For 4" Or 6" WG (Class A), Add	238.25		
		For 24 Gauge, Add	12.85		
		For 22 Gauge, Add	29.56		
		For 20 Gauge, Add	48.19		
		For 18 Gauge, Add	73.89		
		For 16 Gauge, Add	89.95		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	47.55		
		For Work In Restricted Working Space, Add	178.69		
23 31 13 16-0138	EA	24" x 24" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	715.49		161.59
		For 3" WG (Class B), Add	96.88		
		For 4" Or 6" WG (Class A), Add	258.35		
		For 24 Gauge, Add	13.92		
		For 22 Gauge, Add	32.02		
		For 20 Gauge, Add	52.21		
		For 18 Gauge, Add	80.05		
		For 16 Gauge, Add	97.45		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	51.51		
		For Work In Restricted Working Space, Add	193.76		
<b>23 31 13 16-0139</b>		<b>Slip Joint, Galvanized, Spiral Duct Reducers</b> <small>(23 31 13 16-0074)</small>			
23 31 13 16-0140	EA	6" x 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	91.57		20.82
		For 3" WG (Class B), Add	12.49		
		For 4" Or 6" WG (Class A), Add	33.32		
		For 24 Gauge, Add	1.66		
		For 22 Gauge, Add	3.81		
		For 20 Gauge, Add	6.21		
		For 18 Gauge, Add	9.52		
		For 16 Gauge, Add	11.59		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.13		
		For Work In Restricted Working Space, Add	24.99		
23 31 13 16-0141	EA	8" x 6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	118.72		27.07
		For 3" WG (Class B), Add	16.44		
		For 4" Or 6" WG (Class A), Add	43.84		
		For 24 Gauge, Add	1.82		
		For 22 Gauge, Add	4.20		
		For 20 Gauge, Add	6.84		
		For 18 Gauge, Add	10.49		
		For 16 Gauge, Add	12.77		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.75		
		For Work In Restricted Working Space, Add	32.88		
23 31 13 16-0142	EA	10" x 8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	148.91		34.36
		For 3" WG (Class B), Add	20.82		
		For 4" Or 6" WG (Class A), Add	55.53		
		For 24 Gauge, Add	2.02		
		For 22 Gauge, Add	4.64		
		For 20 Gauge, Add	7.57		
		For 18 Gauge, Add	11.60		
		For 16 Gauge, Add	14.13		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.47		
		For Work In Restricted Working Space, Add	41.65		
23 31 13 16-0143	EA	12" x 10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	184.60		43.73
		For 3" WG (Class B), Add	26.03		
		For 4" Or 6" WG (Class A), Add	69.41		
		For 24 Gauge, Add	2.21		
		For 22 Gauge, Add	5.09		
		For 20 Gauge, Add	8.30		
		For 18 Gauge, Add	12.73		
		For 16 Gauge, Add	15.50		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.19		
		For Work In Restricted Working Space, Add	52.06		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0144 EA 14" x 12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	201.62	47.89
For 3" WG (Class B), Add	28.40	
For 4" Or 6" WG (Class A), Add	75.72	
For 24 Gauge, Add	2.46	
For 22 Gauge, Add	5.67	
For 20 Gauge, Add	9.24	
For 18 Gauge, Add	14.17	
For 16 Gauge, Add	17.25	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.12	
For Work In Restricted Working Space, Add	56.79	
23 31 13 16-0145 EA 16" x 14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	245.21	56.22
For 3" WG (Class B), Add	33.59	
For 4" Or 6" WG (Class A), Add	89.56	
For 24 Gauge, Add	4.26	
For 22 Gauge, Add	9.80	
For 20 Gauge, Add	15.98	
For 18 Gauge, Add	24.50	
For 16 Gauge, Add	29.82	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.76	
For Work In Restricted Working Space, Add	67.17	
23 31 13 16-0146 EA 18" x 16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	300.40	69.76
For 3" WG (Class B), Add	41.65	
For 4" Or 6" WG (Class A), Add	111.06	
For 24 Gauge, Add	4.55	
For 22 Gauge, Add	10.47	
For 20 Gauge, Add	17.07	
For 18 Gauge, Add	26.17	
For 16 Gauge, Add	31.86	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.84	
For Work In Restricted Working Space, Add	83.29	
23 31 13 16-0147 EA 20" x 18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	360.14	84.33
For 3" WG (Class B), Add	50.38	
For 4" Or 6" WG (Class A), Add	134.34	
For 24 Gauge, Add	4.86	
For 22 Gauge, Add	11.17	
For 20 Gauge, Add	18.22	
For 18 Gauge, Add	27.93	
For 16 Gauge, Add	34.01	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.97	
For Work In Restricted Working Space, Add	100.76	
23 31 13 16-0148 EA 22" x 20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	418.71	97.87
For 3" WG (Class B), Add	58.93	
For 4" Or 6" WG (Class A), Add	157.16	
For 24 Gauge, Add	5.16	
For 22 Gauge, Add	11.88	
For 20 Gauge, Add	19.37	
For 18 Gauge, Add	29.69	
For 16 Gauge, Add	36.15	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.11	
For Work In Restricted Working Space, Add	117.87	
23 31 13 16-0149 EA 24" x 22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	470.27	111.40
For 3" WG (Class B), Add	66.46	
For 4" Or 6" WG (Class A), Add	177.22	
For 24 Gauge, Add	5.44	
For 22 Gauge, Add	12.52	
For 20 Gauge, Add	20.42	
For 18 Gauge, Add	31.30	
For 16 Gauge, Add	38.11	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.14	
For Work In Restricted Working Space, Add	132.92	
<b>23 31 13 16-0150 Slip Joint, Galvanized, Spiral Duct Couplings</b> <small>(23 31 13 16-0074)</small>		
23 31 13 16-0151 EA 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	60.19	14.57
For 3" WG (Class B), Add	8.44	
For 4" Or 6" WG (Class A), Add	22.51	
For 24 Gauge, Add	0.78	
For 22 Gauge, Add	1.80	
For 20 Gauge, Add	2.94	
For 18 Gauge, Add	4.51	
For 16 Gauge, Add	5.49	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.90	
For Work In Restricted Working Space, Add	16.88	
23 31 13 16-0152 EA 6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	87.75	20.82
For 3" WG (Class B), Add	12.49	
For 4" Or 6" WG (Class A), Add	33.32	
For 24 Gauge, Add	0.89	
For 22 Gauge, Add	2.05	
For 20 Gauge, Add	3.35	
For 18 Gauge, Add	5.13	
For 16 Gauge, Add	6.24	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.30	
For Work In Restricted Working Space, Add	24.99	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 16-0153	EA	8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	114.40		27.07
		<i>For 3" WG (Class B), Add</i>	16.44		
		<i>For 4" Or 6" WG (Class A), Add</i>	43.84		
		<i>For 24 Gauge, Add</i>	0.96		
		<i>For 22 Gauge, Add</i>	2.21		
		<i>For 20 Gauge, Add</i>	3.60		
		<i>For 18 Gauge, Add</i>	5.52		
		<i>For 16 Gauge, Add</i>	6.72		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.55		
		<i>For Work In Restricted Working Space, Add</i>	32.88		
23 31 13 16-0154	EA	10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	143.97		34.36
		<i>For 3" WG (Class B), Add</i>	20.82		
		<i>For 4" Or 6" WG (Class A), Add</i>	55.53		
		<i>For 24 Gauge, Add</i>	1.03		
		<i>For 22 Gauge, Add</i>	2.37		
		<i>For 20 Gauge, Add</i>	3.86		
		<i>For 18 Gauge, Add</i>	5.92		
		<i>For 16 Gauge, Add</i>	7.21		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.81		
		<i>For Work In Restricted Working Space, Add</i>	41.65		
23 31 13 16-0155	EA	12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	179.03		43.73
		<i>For 3" WG (Class B), Add</i>	26.03		
		<i>For 4" Or 6" WG (Class A), Add</i>	69.41		
		<i>For 24 Gauge, Add</i>	1.10		
		<i>For 22 Gauge, Add</i>	2.53		
		<i>For 20 Gauge, Add</i>	4.13		
		<i>For 18 Gauge, Add</i>	6.33		
		<i>For 16 Gauge, Add</i>	7.70		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.07		
		<i>For Work In Restricted Working Space, Add</i>	52.06		
23 31 13 16-0156	EA	14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	195.15		47.89
		<i>For 3" WG (Class B), Add</i>	28.40		
		<i>For 4" Or 6" WG (Class A), Add</i>	75.72		
		<i>For 24 Gauge, Add</i>	1.17		
		<i>For 22 Gauge, Add</i>	2.69		
		<i>For 20 Gauge, Add</i>	4.39		
		<i>For 18 Gauge, Add</i>	6.73		
		<i>For 16 Gauge, Add</i>	8.19		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.33		
		<i>For Work In Restricted Working Space, Add</i>	56.79		
23 31 13 16-0157	EA	16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	230.38		56.22
		<i>For 3" WG (Class B), Add</i>	33.59		
		<i>For 4" Or 6" WG (Class A), Add</i>	89.56		
		<i>For 24 Gauge, Add</i>	1.29		
		<i>For 22 Gauge, Add</i>	2.98		
		<i>For 20 Gauge, Add</i>	4.85		
		<i>For 18 Gauge, Add</i>	7.44		
		<i>For 16 Gauge, Add</i>	9.06		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.79		
		<i>For Work In Restricted Working Space, Add</i>	67.17		
23 31 13 16-0158	EA	18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	284.46		69.76
		<i>For 3" WG (Class B), Add</i>	41.65		
		<i>For 4" Or 6" WG (Class A), Add</i>	111.06		
		<i>For 24 Gauge, Add</i>	1.36		
		<i>For 22 Gauge, Add</i>	3.14		
		<i>For 20 Gauge, Add</i>	5.12		
		<i>For 18 Gauge, Add</i>	7.84		
		<i>For 16 Gauge, Add</i>	9.55		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.05		
		<i>For Work In Restricted Working Space, Add</i>	83.29		
23 31 13 16-0159	EA	20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	343.09		84.33
		<i>For 3" WG (Class B), Add</i>	50.38		
		<i>For 4" Or 6" WG (Class A), Add</i>	134.34		
		<i>For 24 Gauge, Add</i>	1.45		
		<i>For 22 Gauge, Add</i>	3.33		
		<i>For 20 Gauge, Add</i>	5.43		
		<i>For 18 Gauge, Add</i>	8.33		
		<i>For 16 Gauge, Add</i>	10.14		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.36		
		<i>For Work In Restricted Working Space, Add</i>	100.76		
23 31 13 16-0160	EA	22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	400.41		196.78
		<i>For 3" WG (Class B), Add</i>	58.93		
		<i>For 4" Or 6" WG (Class A), Add</i>	157.16		
		<i>For 24 Gauge, Add</i>	1.50		
		<i>For 22 Gauge, Add</i>	3.46		
		<i>For 20 Gauge, Add</i>	5.64		
		<i>For 18 Gauge, Add</i>	8.65		
		<i>For 16 Gauge, Add</i>	10.53		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.56		
		<i>For Work In Restricted Working Space, Add</i>	117.87		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0161 EA 24", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	450.99	221.76
For 3" WG (Class B), Add	66.46	
For 4" Or 6" WG (Class A), Add	177.22	
For 24 Gauge, Add	1.59	
For 22 Gauge, Add	3.65	
For 20 Gauge, Add	5.96	
For 18 Gauge, Add	9.13	
For 16 Gauge, Add	11.12	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.88	
For Work In Restricted Working Space, Add	132.92	
<b>23 31 13 16-0162 Slip Joint, Galvanized, Spiral Duct Caps (23 31 13 16-0074)</b>		
23 31 13 16-0163 EA 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	32.73	14.57
For 3" WG (Class B), Add	4.22	
For 4" Or 6" WG (Class A), Add	11.26	
For 24 Gauge, Add	0.92	
For 22 Gauge, Add	2.11	
For 20 Gauge, Add	3.44	
For 18 Gauge, Add	5.28	
For 16 Gauge, Add	6.43	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.40	
For Work In Restricted Working Space, Add	8.44	
23 31 13 16-0164 EA 6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	46.79	20.82
For 3" WG (Class B), Add	6.25	
For 4" Or 6" WG (Class A), Add	16.66	
For 24 Gauge, Add	1.03	
For 22 Gauge, Add	2.37	
For 20 Gauge, Add	3.86	
For 18 Gauge, Add	5.92	
For 16 Gauge, Add	7.21	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.81	
For Work In Restricted Working Space, Add	12.49	
23 31 13 16-0165 EA 8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	60.43	28.11
For 3" WG (Class B), Add	8.22	
For 4" Or 6" WG (Class A), Add	21.92	
For 24 Gauge, Add	1.13	
For 22 Gauge, Add	2.59	
For 20 Gauge, Add	4.23	
For 18 Gauge, Add	6.49	
For 16 Gauge, Add	7.90	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.17	
For Work In Restricted Working Space, Add	16.44	
23 31 13 16-0166 EA 10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	75.67	35.40
For 3" WG (Class B), Add	10.41	
For 4" Or 6" WG (Class A), Add	27.76	
For 24 Gauge, Add	1.25	
For 22 Gauge, Add	2.88	
For 20 Gauge, Add	4.70	
For 18 Gauge, Add	7.20	
For 16 Gauge, Add	8.76	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.63	
For Work In Restricted Working Space, Add	20.82	
23 31 13 16-0167 EA 12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	93.72	43.73
For 3" WG (Class B), Add	13.01	
For 4" Or 6" WG (Class A), Add	34.70	
For 24 Gauge, Add	1.39	
For 22 Gauge, Add	3.20	
For 20 Gauge, Add	5.22	
For 18 Gauge, Add	8.00	
For 16 Gauge, Add	9.74	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.15	
For Work In Restricted Working Space, Add	26.03	
23 31 13 16-0168 EA 14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	102.31	47.89
For 3" WG (Class B), Add	14.20	
For 4" Or 6" WG (Class A), Add	37.86	
For 24 Gauge, Add	1.53	
For 22 Gauge, Add	3.52	
For 20 Gauge, Add	5.75	
For 18 Gauge, Add	8.81	
For 16 Gauge, Add	10.72	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.67	
For Work In Restricted Working Space, Add	28.40	
23 31 13 16-0169 EA 16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	118.44	55.19
For 3" WG (Class B), Add	16.44	
For 4" Or 6" WG (Class A), Add	43.84	
For 24 Gauge, Add	1.77	
For 22 Gauge, Add	4.07	
For 20 Gauge, Add	6.63	
For 18 Gauge, Add	10.17	
For 16 Gauge, Add	12.38	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.54	
For Work In Restricted Working Space, Add	32.88	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0170	EA 18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	168.61	69.76
	For 3" WG (Class B), Add	20.82	
	For 4" Or 6" WG (Class A), Add	55.53	
	For 24 Gauge, Add	5.96	
	For 22 Gauge, Add	13.70	
	For 20 Gauge, Add	22.34	
	For 18 Gauge, Add	34.26	
	For 16 Gauge, Add	41.71	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.04	
	For Work In Restricted Working Space, Add	41.65	
23 31 13 16-0171	EA 20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	205.83	86.42
	For 3" WG (Class B), Add	26.03	
	For 4" Or 6" WG (Class A), Add	69.41	
	For 24 Gauge, Add	6.46	
	For 22 Gauge, Add	14.86	
	For 20 Gauge, Add	24.23	
	For 18 Gauge, Add	37.15	
	For 16 Gauge, Add	45.22	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.90	
	For Work In Restricted Working Space, Add	52.06	
23 31 13 16-0172	EA 22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	224.10	94.74
	For 3" WG (Class B), Add	28.40	
	For 4" Or 6" WG (Class A), Add	75.72	
	For 24 Gauge, Add	6.96	
	For 22 Gauge, Add	16.01	
	For 20 Gauge, Add	26.10	
	For 18 Gauge, Add	40.02	
	For 16 Gauge, Add	48.72	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.75	
	For Work In Restricted Working Space, Add	56.79	
23 31 13 16-0173	EA 24", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	258.90	110.36
	For 3" WG (Class B), Add	33.23	
	For 4" Or 6" WG (Class A), Add	88.61	
	For 24 Gauge, Add	7.48	
	For 22 Gauge, Add	17.19	
	For 20 Gauge, Add	28.04	
	For 18 Gauge, Add	42.99	
	For 16 Gauge, Add	52.33	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.66	
	For Work In Restricted Working Space, Add	66.46	
<b>23 31 13 19 Metal Duct Fittings <sup>(23 31 13)</sup></b>			
<b>23 31 13 19-0001 Sheet Metal Baffles <sup>(23 31 13 19)</sup></b>			
23 31 13 19-0002	LF Sheet Metal Baffles Under Raised Floor.....	38.57	31.08
	For Work In Restricted Working Space, Add	11.36	
	For Elevated Installation >10' To 15', Add	3.79	
	For Elevated Installation >15' To 20', Add	7.58	
	For Elevated Installation >20' To 25', Add	9.47	
	For Elevated Installation >25' To 30', Add	13.26	
	For Elevated Installation >30' To 35', Add	15.15	
	For Elevated Installation >35' To 40', Add	18.94	
	For Elevated Installation >40', Add	20.83	
<b>23 31 13 19-0003 Duct Register Boots <sup>(23 31 13 19)</sup></b>			
23 31 13 19-0004	EA 10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	34.82	14.10
	For Stainless Steel, Add	8.61	
23 31 13 19-0005	EA 10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	34.82	14.10
	For Stainless Steel, Add	8.61	
23 31 13 19-0006	EA 12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	37.22	15.23
	For Stainless Steel, Add	8.80	
23 31 13 19-0007	EA 12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	37.22	15.23
	For Stainless Steel, Add	8.80	
23 31 13 19-0008	EA 12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	38.85	15.23
	For Stainless Steel, Add	10.92	
23 31 13 19-0009	EA 14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	40.29	16.36
	For Stainless Steel, Add	9.85	
23 31 13 19-0010	EA 14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	40.29	16.36
	For Stainless Steel, Add	9.85	
23 31 13 19-0011	EA 14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	41.30	16.36
	For Stainless Steel, Add	11.17	
23 31 13 19-0012	EA 10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	40.93	17.49
	For Stainless Steel, Add	7.75	
23 31 13 19-0013	EA 12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	43.36	18.62
	For Stainless Steel, Add	7.98	
23 31 13 19-0014	EA 12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	47.52	18.62
	For Stainless Steel, Add	13.39	
23 31 13 19-0015	EA 14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	45.98	19.74
	For Stainless Steel, Add	8.45	
23 31 13 19-0016	EA 14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	50.06	19.74
	For Stainless Steel, Add	13.75	
23 31 13 19-0017	EA 12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel.....	36.23	15.23
	For Stainless Steel, Add	7.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 19-0018 EA 12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel.....	36.23	15.23
<i>For Stainless Steel, Add</i>	7.51	
23 31 13 19-0019 EA 14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel.....	39.16	16.36
<i>For Stainless Steel, Add</i>	8.39	
23 31 13 19-0020 EA 14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel.....	40.13	16.36
<i>For Stainless Steel, Add</i>	9.65	
23 31 13 19-0021 EA 10" x 4" x 6" Register Boot, Center, Galvanized Steel.....	41.06	17.49
<i>For Stainless Steel, Add</i>	7.92	
23 31 13 19-0022 EA 12" x 4" x 6" Register Boot, Center, Galvanized Steel.....	43.47	18.62
<i>For Stainless Steel, Add</i>	8.13	
23 31 13 19-0023 EA 12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel.....	36.90	15.23
<i>For Stainless Steel, Add</i>	8.39	
23 31 13 19-0024 EA 14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel.....	39.55	16.36
<i>For Stainless Steel, Add</i>	8.89	
23 31 13 19-0025 EA 10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	34.82	14.10
<i>For Stainless Steel, Add</i>	8.61	
23 31 13 19-0026 EA 12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	37.22	15.23
<i>For Stainless Steel, Add</i>	8.80	
23 31 13 19-0027 EA 14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel.....	40.29	16.36
<i>For Stainless Steel, Add</i>	9.85	
23 31 13 19-0028 EA 14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	40.29	16.36
<i>For Stainless Steel, Add</i>	9.85	
23 31 13 19-0029 EA 10" x 4" x 6" Register Boot, Universal, Galvanized Steel.....	40.93	17.49
<i>For Stainless Steel, Add</i>	7.75	
23 31 13 19-0030 EA 12" x 4" x 6" Register Boot, Universal, Galvanized Steel.....	43.36	18.62
<i>For Stainless Steel, Add</i>	7.98	
23 31 13 19-0031 EA 12" x 4" x 7" Register Boot, Universal, Galvanized Steel.....	47.52	18.62
<i>For Stainless Steel, Add</i>	13.39	
23 31 13 19-0032 EA 14" x 4" x 7" Register Boot, Universal, Galvanized Steel.....	49.78	19.74
<i>For Stainless Steel, Add</i>	13.39	
<b>23 31 13 23 Galvanized Steel Welded Duct (23 31 13)</b>		
Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.		
23 31 13 23-0001 Welded Steel Ductwork (23 31 13 23)		
Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.		
23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen (23 31 13 23-0001)		
Note: Also includes special exhaust systems and waste.		
23 31 13 23-0003 LB Galvanized Steel Welded Duct.....	21.70	9.42
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.08	
<i>For Work In Restricted Working Space, Add</i>	5.67	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.89	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.78	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.72	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.61	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.56	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.45	
<i>For Elevated Installation &gt;40', Add</i>	10.39	
23 31 13 23-0004 Black Steel Ductwork (23 31 13 23-0001)		
23 31 13 23-0005 LB Black Steel Ductwork.....	20.06	9.72
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	0.47	
<i>For Work In Restricted Working Space, Add</i>	5.83	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.94	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.89	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.86	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.80	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.77	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.72	
<i>For Elevated Installation &gt;40', Add</i>	10.69	
<b>23 31 16 Nonmetal Ducts (23 31)</b>		
<b>23 31 16 13 Fibrous-Glass Ducts (23 31 16)</b>		
23 31 16 13-0001 Glass Fiber Duct Board (23 31 16 13)		
Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.		
23 31 16 13-0002 SF 1" Glass Fiber Duct Board (EI-475).....	9.98	1.95
23 31 16 13-0003 SF 1-1/2" Glass Fiber Duct Board (EI-800).....	11.87	2.14
23 31 16 13-0004 SF 2" Glass Fiber Duct Board (EI-800).....	13.82	2.35
<b>23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts (23 31 16)</b>		
23 31 16 16-0001 Fiber Reinforced Round Plastic Duct (23 31 16 16)		
23 31 16 16-0002 Fiber Reinforced Round Plastic Duct (23 31 16 16-0001)		
23 31 16 16-0003 LF 2" Fiber Reinforced Plastic Duct.....	15.71	5.11
23 31 16 16-0004 LF 3" Fiber Reinforced Plastic Duct.....	19.65	5.98
23 31 16 16-0005 LF 4" Fiber Reinforced Plastic Duct.....	26.69	8.77

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 31 16 16-0006	LF	6" Fiber Reinforced Plastic Duct .....	35.35	11.09
23 31 16 16-0007	LF	8" Fiber Reinforced Plastic Duct .....	44.79	13.88
23 31 16 16-0008	LF	10" Fiber Reinforced Plastic Duct .....	54.00	16.69
23 31 16 16-0009	LF	12" Fiber Reinforced Plastic Duct .....	60.82	19.48
23 31 16 16-0010	LF	14" Fiber Reinforced Plastic Duct .....	69.38	21.31
23 31 16 16-0011	LF	16" Fiber Reinforced Plastic Duct .....	74.97	22.66
23 31 16 16-0012	LF	18" Fiber Reinforced Plastic Duct .....	93.15	25.46
23 31 16 16-0013	LF	20" Fiber Reinforced Plastic Duct .....	97.99	27.29
23 31 16 16-0014	LF	24" Fiber Reinforced Plastic Duct .....	120.74	29.12
23 31 16 16-0015	LF	30" Fiber Reinforced Plastic Duct .....	138.31	33.74
23 31 16 16-0016	LF	36" Fiber Reinforced Plastic Duct .....	159.71	40.69
23 31 16 16-0017	LF	42" Fiber Reinforced Plastic Duct .....	213.34	45.32
23 31 16 16-0018	LF	48" Fiber Reinforced Plastic Duct .....	239.00	50.91
23 31 16 16-0019	LF	54" Fiber Reinforced Plastic Duct .....	265.56	58.33
23 31 16 16-0020	LF	60" Fiber Reinforced Plastic Duct .....	301.43	68.07
23 31 16 16-0021	LF	66" Fiber Reinforced Plastic Duct .....	323.60	83.30
23 31 16 16-0022	LF	72" Fiber Reinforced Plastic Duct .....	394.90	101.82

**23 31 16 16-0023 Fiber Reinforced Plastic Bell** (23 31 16 16-0001)

23 31 16 16-0024	EA	2" Fiber Reinforced Plastic Bell .....	61.07	20.73
23 31 16 16-0025	EA	3" Fiber Reinforced Plastic Bell .....	73.68	24.59
23 31 16 16-0026	EA	4" Fiber Reinforced Plastic Bell .....	84.80	28.92
23 31 16 16-0027	EA	6" Fiber Reinforced Plastic Bell .....	111.43	38.57
23 31 16 16-0028	EA	8" Fiber Reinforced Plastic Bell .....	135.62	48.21
23 31 16 16-0029	EA	10" Fiber Reinforced Plastic Bell .....	157.36	57.85
23 31 16 16-0030	EA	12" Fiber Reinforced Plastic Bell .....	195.11	71.83
23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell .....	208.69	77.13
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell .....	226.12	82.44
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell .....	243.57	88.71
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell .....	266.34	96.42
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell .....	310.13	106.06
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell .....	361.26	115.71
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell .....	409.81	130.17
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell .....	458.33	144.63
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell .....	506.84	159.10
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell .....	630.70	192.84
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell .....	751.62	241.05
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell .....	901.90	289.26
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell .....	1,033.07	327.83

**23 31 16 16-0044 Fiber Reinforced Plastic Flange** (23 31 16 16-0001)

23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange .....	100.27	20.73
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange .....	115.33	24.59
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange .....	131.35	28.92
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange .....	170.24	38.57
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange .....	206.68	48.21
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange .....	243.12	57.85
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange .....	285.77	71.83
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange .....	318.95	77.13
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange .....	348.63	82.44
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange .....	370.98	88.71
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange .....	388.85	96.42
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange .....	457.14	106.06
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange .....	503.37	115.71
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange .....	622.97	130.17
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange .....	693.55	144.63
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange .....	788.61	159.10
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange .....	924.72	192.84
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange .....	1,101.99	241.05
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange .....	1,279.23	289.26
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange .....	1,464.30	327.83

**23 31 16 16-0065 Fiber Reinforced Plastic 90 Degree Elbow** (23 31 16 16-0001)

23 31 16 16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow .....	164.16	49.94
23 31 16 16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow .....	192.62	59.68
23 31 16 16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow .....	223.52	69.42
23 31 16 16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow .....	289.04	92.57
23 31 16 16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow .....	354.55	115.71
23 31 16 16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow .....	420.08	138.84
23 31 16 16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow .....	515.62	172.69
23 31 16 16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow .....	586.48	182.82
23 31 16 16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow .....	669.06	198.53
23 31 16 16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow .....	800.78	212.90
23 31 16 16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow .....	924.78	231.41
23 31 16 16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow .....	1,073.60	254.55
23 31 16 16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow .....	1,455.17	277.70
23 31 16 16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow .....	1,868.34	312.41
23 31 16 16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow .....	2,465.24	347.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0081 EA 48" Fiber Reinforced Plastic 90 Degree Elbow .....	2,927.43	381.92
23 31 16 16-0082 EA 54" Fiber Reinforced Plastic 90 Degree Elbow .....	3,466.55	462.83
23 31 16 16-0083 EA 60" Fiber Reinforced Plastic 90 Degree Elbow .....	4,198.42	578.53
23 31 16 16-0084 EA 66" Fiber Reinforced Plastic 90 Degree Elbow .....	4,929.93	694.04
23 31 16 16-0085 EA 72" Fiber Reinforced Plastic 90 Degree Elbow .....	5,623.07	786.51
<b>23 31 16 16-0086 Fiber Reinforced Plastic 45 Degree Elbow (23 31 16 16-0001)</b>		
23 31 16 16-0087 EA 2" Fiber Reinforced Plastic 45 Degree Elbow .....	137.20	49.94
23 31 16 16-0088 EA 3" Fiber Reinforced Plastic 45 Degree Elbow .....	160.76	59.68
23 31 16 16-0089 EA 4" Fiber Reinforced Plastic 45 Degree Elbow .....	186.73	69.42
23 31 16 16-0090 EA 6" Fiber Reinforced Plastic 45 Degree Elbow .....	235.14	92.57
23 31 16 16-0091 EA 8" Fiber Reinforced Plastic 45 Degree Elbow .....	283.50	115.71
23 31 16 16-0092 EA 10" Fiber Reinforced Plastic 45 Degree Elbow .....	336.85	138.84
23 31 16 16-0093 EA 12" Fiber Reinforced Plastic 45 Degree Elbow .....	415.24	172.69
23 31 16 16-0094 EA 14" Fiber Reinforced Plastic 45 Degree Elbow .....	451.64	182.82
23 31 16 16-0095 EA 16" Fiber Reinforced Plastic 45 Degree Elbow .....	541.47	198.44
23 31 16 16-0096 EA 18" Fiber Reinforced Plastic 45 Degree Elbow .....	624.63	213.09
23 31 16 16-0097 EA 20" Fiber Reinforced Plastic 45 Degree Elbow .....	723.80	231.41
23 31 16 16-0098 EA 24" Fiber Reinforced Plastic 45 Degree Elbow .....	835.50	254.36
23 31 16 16-0099 EA 30" Fiber Reinforced Plastic 45 Degree Elbow .....	1,062.78	277.50
23 31 16 16-0100 EA 36" Fiber Reinforced Plastic 45 Degree Elbow .....	1,302.80	312.69
23 31 16 16-0101 EA 42" Fiber Reinforced Plastic 45 Degree Elbow .....	1,664.46	347.40
23 31 16 16-0102 EA 48" Fiber Reinforced Plastic 45 Degree Elbow .....	1,959.62	381.92
23 31 16 16-0103 EA 54" Fiber Reinforced Plastic 45 Degree Elbow .....	2,334.57	462.83
23 31 16 16-0104 EA 60" Fiber Reinforced Plastic 45 Degree Elbow .....	2,796.93	578.53
23 31 16 16-0105 EA 66" Fiber Reinforced Plastic 45 Degree Elbow .....	3,286.11	692.69
23 31 16 16-0106 EA 72" Fiber Reinforced Plastic 45 Degree Elbow .....	3,713.37	787.28
<b>23 31 16 16-0107 Fiber Reinforced Plastic Tee (23 31 16 16-0001)</b>		
23 31 16 16-0108 EA 2" Fiber Reinforced Plastic Tee .....	209.96	74.53
23 31 16 16-0109 EA 3" Fiber Reinforced Plastic Tee .....	247.65	89.77
23 31 16 16-0110 EA 4" Fiber Reinforced Plastic Tee .....	283.81	104.13
23 31 16 16-0111 EA 6" Fiber Reinforced Plastic Tee .....	366.18	138.84
23 31 16 16-0112 EA 8" Fiber Reinforced Plastic Tee .....	447.02	172.69
23 31 16 16-0113 EA 10" Fiber Reinforced Plastic Tee .....	532.40	209.23
23 31 16 16-0114 EA 12" Fiber Reinforced Plastic Tee .....	643.19	253.59
23 31 16 16-0115 EA 14" Fiber Reinforced Plastic Tee .....	702.42	274.41
23 31 16 16-0116 EA 16" Fiber Reinforced Plastic Tee .....	815.33	298.13
23 31 16 16-0117 EA 18" Fiber Reinforced Plastic Tee .....	924.28	319.34
23 31 16 16-0118 EA 20" Fiber Reinforced Plastic Tee .....	1,068.65	347.21
23 31 16 16-0119 EA 24" Fiber Reinforced Plastic Tee .....	1,224.57	381.92
23 31 16 16-0120 EA 30" Fiber Reinforced Plastic Tee .....	1,465.88	416.44
23 31 16 16-0121 EA 36" Fiber Reinforced Plastic Tee .....	1,761.43	468.80
23 31 16 16-0122 EA 42" Fiber Reinforced Plastic Tee .....	2,338.14	520.87
23 31 16 16-0123 EA 48" Fiber Reinforced Plastic Tee .....	2,792.66	573.03
23 31 16 16-0124 EA 54" Fiber Reinforced Plastic Tee .....	3,362.94	694.71
23 31 16 16-0125 EA 60" Fiber Reinforced Plastic Tee .....	4,019.57	868.18
23 31 16 16-0126 EA 66" Fiber Reinforced Plastic Tee .....	4,675.64	1,041.26
23 31 16 16-0127 EA 72" Fiber Reinforced Plastic Tee .....	5,275.50	1,180.68
<b>23 31 16 16-0128 Fiber Reinforced Plastic Lateral Joint (23 31 16 16-0001)</b>		
23 31 16 16-0129 EA 2" Fiber Reinforced Plastic Lateral Joint .....	173.18	74.53
23 31 16 16-0130 EA 3" Fiber Reinforced Plastic Lateral Joint .....	203.51	89.77
23 31 16 16-0131 EA 4" Fiber Reinforced Plastic Lateral Joint .....	232.39	104.13
23 31 16 16-0132 EA 6" Fiber Reinforced Plastic Lateral Joint .....	295.19	138.84
23 31 16 16-0133 EA 8" Fiber Reinforced Plastic Lateral Joint .....	356.43	172.69
23 31 16 16-0134 EA 10" Fiber Reinforced Plastic Lateral Joint .....	427.10	209.23
23 31 16 16-0135 EA 12" Fiber Reinforced Plastic Lateral Joint .....	511.11	253.78
23 31 16 16-0136 EA 14" Fiber Reinforced Plastic Lateral Joint .....	554.98	274.22
23 31 16 16-0137 EA 16" Fiber Reinforced Plastic Lateral Joint .....	609.72	298.23
23 31 16 16-0138 EA 18" Fiber Reinforced Plastic Lateral Joint .....	660.12	319.64
23 31 16 16-0139 EA 20" Fiber Reinforced Plastic Lateral Joint .....	721.15	347.40
23 31 16 16-0140 EA 24" Fiber Reinforced Plastic Lateral Joint .....	798.24	381.92
23 31 16 16-0141 EA 30" Fiber Reinforced Plastic Lateral Joint .....	882.34	416.25
23 31 16 16-0142 EA 36" Fiber Reinforced Plastic Lateral Joint .....	996.48	468.51
23 31 16 16-0143 EA 42" Fiber Reinforced Plastic Lateral Joint .....	1,113.68	521.16
23 31 16 16-0144 EA 48" Fiber Reinforced Plastic Lateral Joint .....	1,224.19	572.84
23 31 16 16-0145 EA 54" Fiber Reinforced Plastic Lateral Joint .....	1,460.74	692.69
23 31 16 16-0146 EA 60" Fiber Reinforced Plastic Lateral Joint .....	1,780.28	869.72
23 31 16 16-0147 EA 66" Fiber Reinforced Plastic Lateral Joint .....	2,153.23	1,042.02
23 31 16 16-0148 EA 72" Fiber Reinforced Plastic Lateral Joint .....	2,408.81	1,180.68
<b>23 31 16 16-0149 Fiber Reinforced Plastic One Piece Reducer (23 31 16 16-0001)</b>		
23 31 16 16-0150 EA 2" Fiber Reinforced Plastic One Piece Reducer .....	147.03	50.05
23 31 16 16-0151 EA 3" Fiber Reinforced Plastic One Piece Reducer .....	173.06	59.78
23 31 16 16-0152 EA 4" Fiber Reinforced Plastic One Piece Reducer .....	203.97	69.42

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 31 16 16-0153	EA	6" Fiber Reinforced Plastic One Piece Reducer .....	262.09	92.57
23 31 16 16-0154	EA	8" Fiber Reinforced Plastic One Piece Reducer .....	315.35	115.71
23 31 16 16-0155	EA	10" Fiber Reinforced Plastic One Piece Reducer .....	379.35	139.43
23 31 16 16-0156	EA	12" Fiber Reinforced Plastic One Piece Reducer .....	449.54	172.69
23 31 16 16-0157	EA	14" Fiber Reinforced Plastic One Piece Reducer .....	481.04	182.82
23 31 16 16-0158	EA	16" Fiber Reinforced Plastic One Piece Reducer .....	531.67	198.44
23 31 16 16-0159	EA	18" Fiber Reinforced Plastic One Piece Reducer .....	585.43	213.09
23 31 16 16-0160	EA	20" Fiber Reinforced Plastic One Piece Reducer .....	655.20	231.41
23 31 16 16-0161	EA	24" Fiber Reinforced Plastic One Piece Reducer .....	748.19	254.84
23 31 16 16-0162	EA	30" Fiber Reinforced Plastic One Piece Reducer .....	840.88	278.17
23 31 16 16-0163	EA	36" Fiber Reinforced Plastic One Piece Reducer .....	952.43	312.69
23 31 16 16-0164	EA	42" Fiber Reinforced Plastic One Piece Reducer .....	1,064.17	347.40
23 31 16 16-0165	EA	48" Fiber Reinforced Plastic One Piece Reducer .....	1,200.07	381.92
23 31 16 16-0166	EA	54" Fiber Reinforced Plastic One Piece Reducer .....	1,420.66	462.83
23 31 16 16-0167	EA	60" Fiber Reinforced Plastic One Piece Reducer .....	1,691.91	578.53
23 31 16 16-0168	EA	66" Fiber Reinforced Plastic One Piece Reducer .....	1,889.52	692.69
23 31 16 16-0169	EA	72" Fiber Reinforced Plastic One Piece Reducer .....	2,120.76	787.28

**23 31 16 16-0170 Fiber Reinforced Plastic Two Piece Reducer (23 31 16 16-0001)**

23 31 16 16-0171	EA	2" Fiber Reinforced Plastic Two Piece Reducer .....	176.44	50.05
23 31 16 16-0172	EA	3" Fiber Reinforced Plastic Two Piece Reducer .....	192.67	59.78
23 31 16 16-0173	EA	4" Fiber Reinforced Plastic Two Piece Reducer .....	223.57	69.42
23 31 16 16-0174	EA	6" Fiber Reinforced Plastic Two Piece Reducer .....	289.04	92.57
23 31 16 16-0175	EA	8" Fiber Reinforced Plastic Two Piece Reducer .....	354.55	115.71
23 31 16 16-0176	EA	10" Fiber Reinforced Plastic Two Piece Reducer .....	421.00	139.43
23 31 16 16-0177	EA	12" Fiber Reinforced Plastic Two Piece Reducer .....	503.44	172.69
23 31 16 16-0178	EA	14" Fiber Reinforced Plastic Two Piece Reducer .....	549.65	182.82
23 31 16 16-0179	EA	16" Fiber Reinforced Plastic Two Piece Reducer .....	600.28	198.44
23 31 16 16-0180	EA	18" Fiber Reinforced Plastic Two Piece Reducer .....	678.53	213.09
23 31 16 16-0181	EA	20" Fiber Reinforced Plastic Two Piece Reducer .....	861.01	231.41
23 31 16 16-0182	EA	24" Fiber Reinforced Plastic Two Piece Reducer .....	1,049.56	254.84
23 31 16 16-0183	EA	30" Fiber Reinforced Plastic Two Piece Reducer .....	1,125.10	278.17
23 31 16 16-0184	EA	36" Fiber Reinforced Plastic Two Piece Reducer .....	1,280.75	312.69
23 31 16 16-0185	EA	42" Fiber Reinforced Plastic Two Piece Reducer .....	1,387.59	347.40
23 31 16 16-0186	EA	48" Fiber Reinforced Plastic Two Piece Reducer .....	1,518.59	381.92
23 31 16 16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer .....	1,677.93	462.83
23 31 16 16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer .....	1,934.47	578.53
23 31 16 16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer .....	2,159.04	692.69
23 31 16 16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer .....	2,365.78	787.28

**23 31 16 16-0191 Fiber Reinforced Plastic Butterfly Dampers (23 31 16 16-0001)**

23 31 16 16-0192	EA	2" Fiber Reinforced Plastic Damper .....	360.24	49.94
23 31 16 16-0193	EA	3" Fiber Reinforced Plastic Damper .....	405.61	59.68
23 31 16 16-0194	EA	4" Fiber Reinforced Plastic Damper .....	450.97	69.42
23 31 16 16-0195	EA	6" Fiber Reinforced Plastic Damper .....	533.27	92.57
23 31 16 16-0196	EA	8" Fiber Reinforced Plastic Damper .....	630.13	115.71
23 31 16 16-0197	EA	10" Fiber Reinforced Plastic Damper .....	712.44	138.84
23 31 16 16-0198	EA	12" Fiber Reinforced Plastic Damper .....	812.51	172.69
23 31 16 16-0199	EA	14" Fiber Reinforced Plastic Damper .....	902.34	182.82
23 31 16 16-0200	EA	16" Fiber Reinforced Plastic Damper .....	1,001.45	198.53
23 31 16 16-0201	EA	18" Fiber Reinforced Plastic Damper .....	1,098.25	212.90
23 31 16 16-0202	EA	20" Fiber Reinforced Plastic Damper .....	1,172.87	231.41
23 31 16 16-0203	EA	24" Fiber Reinforced Plastic Damper .....	1,328.05	254.55
23 31 16 16-0204	EA	30" Fiber Reinforced Plastic Damper .....	1,541.51	277.70
23 31 16 16-0205	EA	36" Fiber Reinforced Plastic Damper .....	1,774.32	312.41
23 31 16 16-0206	EA	42" Fiber Reinforced Plastic Damper .....	2,036.26	347.21
23 31 16 16-0207	EA	48" Fiber Reinforced Plastic Damper .....	2,269.09	381.92
23 31 16 16-0208	EA	54" Fiber Reinforced Plastic Damper .....	2,666.30	462.83
23 31 16 16-0209	EA	60" Fiber Reinforced Plastic Damper .....	3,121.52	578.53
23 31 16 16-0210	EA	66" Fiber Reinforced Plastic Damper .....	3,547.21	694.04
23 31 16 16-0211	EA	72" Fiber Reinforced Plastic Damper .....	4,080.31	786.51

**23 31 16 23 Fabric Ducts (23 31 16)****23 31 16 23-0001 Heavy Duty Fabric Ducts (Zip-A-Duct™) (23 31 16 23)****23 31 16 23-0002 Heavy Duty Fabric Duct Without Vents (23 31 16 23-0001)**

Note: Includes fabric loops for cable hooks. Requires Suspension Hardware as well as an Inlet Section and Endcap per complete run. See CSI section 23 31 16 23-0064 for suspension hardware.

23 31 16 23-0003	EA	12" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents .....	183.10	7.83
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0004	EA	12" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents .....	286.69	10.44
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0005	EA	16" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents .....	220.19	13.05
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0006	EA	16" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents .....	328.29	17.16
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0007	EA	20" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents .....	266.77	17.91
		Note: Excludes suspension cable and hardware.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0008 EA 20" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents..... Note: Excludes suspension cable and hardware.	382.67	23.88
23 31 16 23-0009 EA 24" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents..... Note: Excludes suspension cable and hardware.	310.23	23.12
23 31 16 23-0010 EA 24" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents..... Note: Excludes suspension cable and hardware.	437.03	30.58
23 31 16 23-0011 EA 28" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents..... Note: Excludes suspension cable and hardware.	345.92	26.49
23 31 16 23-0012 EA 28" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents..... Note: Excludes suspension cable and hardware.	519.76	35.44
23 31 16 23-0013 EA 32" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents..... Note: Excludes suspension cable and hardware.	380.48	29.47
23 31 16 23-0014 EA 32" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents..... Note: Excludes suspension cable and hardware.	579.97	39.16
23 31 16 23-0015 EA 36" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents..... Note: Excludes suspension cable and hardware.	414.18	33.58
23 31 16 23-0016 EA 36" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents..... Note: Excludes suspension cable and hardware.	669.21	44.76
<b>23 31 16 23-0017 Heavy Duty Fabric Duct With Vents</b> <small>(23 31 16 23-0001)</small>		
23 31 16 23-0018 EA 12" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	499.31	10.44
23 31 16 23-0019 EA 16" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	553.67	17.16
23 31 16 23-0020 EA 20" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	618.68	23.88
23 31 16 23-0021 EA 24" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	685.79	30.58
23 31 16 23-0022 EA 28" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	825.93	35.44
23 31 16 23-0023 EA 32" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	886.14	39.16
23 31 16 23-0024 EA 36" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	1,000.90	44.76
<b>23 31 16 23-0025 Heavy Duty Fabric Duct 90 Degree Elbow</b> <small>(23 31 16 23-0001)</small>		
23 31 16 23-0026 EA 12" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow..... Note: Excludes suspension cable and hardware.	371.87	11.19
23 31 16 23-0027 EA 16" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow..... Note: Excludes suspension cable and hardware.	415.61	17.91
23 31 16 23-0028 EA 20" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow..... Note: Excludes suspension cable and hardware.	562.58	19.40
23 31 16 23-0029 EA 24" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow..... Note: Excludes suspension cable and hardware.	687.11	26.11
23 31 16 23-0030 EA 28" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow..... Note: Excludes suspension cable and hardware.	868.38	29.09
23 31 16 23-0031 EA 32" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow..... Note: Excludes suspension cable and hardware.	1,082.53	31.70
23 31 16 23-0032 EA 36" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow..... Note: Excludes suspension cable and hardware.	1,230.01	35.44
<b>23 31 16 23-0033 Heavy Duty Fabric Duct 45 Degree Elbow</b> <small>(23 31 16 23-0001)</small>		
23 31 16 23-0034 EA 12" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow..... Note: Excludes suspension cable and hardware.	284.70	11.19
23 31 16 23-0035 EA 16" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow..... Note: Excludes suspension cable and hardware.	334.81	17.91
23 31 16 23-0036 EA 20" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow..... Note: Excludes suspension cable and hardware.	375.48	19.40
23 31 16 23-0037 EA 24" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow..... Note: Excludes suspension cable and hardware.	438.34	26.11
23 31 16 23-0038 EA 28" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow..... Note: Excludes suspension cable and hardware.	506.93	29.09
23 31 16 23-0039 EA 32" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow..... Note: Excludes suspension cable and hardware.	608.39	31.70
23 31 16 23-0040 EA 36" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow..... Note: Excludes suspension cable and hardware.	694.10	35.44
<b>23 31 16 23-0041 Heavy Duty Fabric Duct Tee</b> <small>(23 31 16 23-0001)</small>		
23 31 16 23-0042 EA 16" x 12" x 12" Gray Heavy Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	908.23	26.11
23 31 16 23-0043 EA 20" x 16" x 16" Gray Heavy Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	956.41	27.98
23 31 16 23-0044 EA 24" x 16" x 16" Gray Heavy Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,036.83	37.67
23 31 16 23-0045 EA 28" x 20" x 20" Gray Heavy Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,090.80	42.16
23 31 16 23-0046 EA 32" x 24" x 24" Gray Heavy Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,131.86	45.88

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0047	EA	36" x 28" x 28" Gray Heavy Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,187.09	51.48
<b>23 31 16 23-0048</b>		<b>Heavy Duty Fabric Duct Inlets (23 31 16 23-0001)</b>		
23 31 16 23-0049	EA	12" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	146.49	11.19
23 31 16 23-0050	EA	16" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	173.22	17.91
23 31 16 23-0051	EA	20" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	186.25	19.40
23 31 16 23-0052	EA	24" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	215.09	26.11
23 31 16 23-0053	EA	28" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	230.52	29.09
23 31 16 23-0054	EA	32" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	246.93	31.70
23 31 16 23-0055	EA	36" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	270.99	35.44
<b>23 31 16 23-0056</b>		<b>Heavy Duty Fabric Duct Cap (23 31 16 23-0001)</b>		
23 31 16 23-0057	EA	12" Diameter Gray Heavy Duty Fabric Duct End Cap..... Note: Excludes suspension cable and hardware.	86.15	6.72
23 31 16 23-0058	EA	16" Diameter Gray Heavy Duty Fabric Duct End Cap..... Note: Excludes suspension cable and hardware.	109.22	10.82
23 31 16 23-0059	EA	20" Diameter Gray Heavy Duty Fabric Duct End Cap..... Note: Excludes suspension cable and hardware.	128.50	11.56
23 31 16 23-0060	EA	24" Diameter Gray Heavy Duty Fabric Duct End Cap..... Note: Excludes suspension cable and hardware.	179.19	15.67
23 31 16 23-0061	EA	28" Diameter Gray Heavy Duty Fabric Duct End Cap..... Note: Excludes suspension cable and hardware.	214.60	17.53
23 31 16 23-0062	EA	32" Diameter Gray Heavy Duty Fabric Duct End Cap..... Note: Excludes suspension cable and hardware.	268.03	19.02
23 31 16 23-0063	EA	36" Diameter Gray Heavy Duty Fabric Duct End Cap..... Note: Excludes suspension cable and hardware.	302.46	21.26
<b>23 31 16 23-0064</b>		<b>Heavy Duty Fabric Duct Suspension Hardware (23 31 16 23-0001)</b>		
23 31 16 23-0065	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Galvanized Hardware..... Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	33.18	5.65
23 31 16 23-0066	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Galvanized Hardware..... Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	51.77	8.48
23 31 16 23-0067	EA	Galvanized Cable Locks For Horizontal Cables..... Note: Requires two (2) cable locks per support point or per stretcher.	12.21	2.83
23 31 16 23-0068	LF	Galvanized Plastic Coated Cable For Fabric Duct..... Note: Excludes anchor bolts or anchors.	0.75	0.11
23 31 16 23-0069	EA	Galvanized Stretcher For Straight Fabric Duct Runs.....	28.48	5.65
23 31 16 23-0070	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware..... Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	61.41	5.65
23 31 16 23-0071	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware..... Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	83.88	8.48
23 31 16 23-0072	EA	Stainless Steel Cable Locks For Horizontal Cables..... Note: Requires two (2) cable locks per support point or per stretcher.	16.19	2.83
23 31 16 23-0073	LF	Stainless Steel Plastic Coated Cable For Fabric Duct..... Note: Excludes anchor bolts or anchors.	2.37	0.11
23 31 16 23-0074	EA	Stainless Steel Stretcher For Straight Fabric Duct Runs.....	38.77	5.65
<b>23 33 Air Duct Accessories (23 30)</b>				
<b>23 33 13 Dampers (23 33)</b>				
<b>23 33 13 13 Volume-Control Dampers (23 33 13)</b>				
<b>23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction (Ruskin CDR) (23 33 13 13)</b>				
23 33 13 13-0002	EA	6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i> 89.02 <i>For Parallel Blade Damper, Add</i> 27.39	103.49	9.03
23 33 13 13-0003	EA	7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i> 90.31 <i>For Parallel Blade Damper, Add</i> 27.79	110.08	10.15
23 33 13 13-0004	EA	8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i> 91.26 <i>For Parallel Blade Damper, Add</i> 28.08	117.42	11.28
23 33 13 13-0005	EA	10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i> 96.97 <i>For Parallel Blade Damper, Add</i> 29.84	126.65	13.54
23 33 13 13-0006	EA	12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i> 102.67 <i>For Parallel Blade Damper, Add</i> 31.59	137.00	14.67
23 33 13 13-0007	EA	14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i> 131.20 <i>For Parallel Blade Damper, Add</i> 40.37	164.38	15.80





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0008 EA 15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	179.71	16.92
For Stainless Steel, Add	142.61	
For Parallel Blade Damper, Add	43.88	
23 33 13 13-0009 EA 16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	189.27	19.18
For Stainless Steel, Add	148.29	
For Parallel Blade Damper, Add	45.63	
23 33 13 13-0010 EA 18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	208.46	20.31
For Stainless Steel, Add	165.41	
For Parallel Blade Damper, Add	50.90	
23 33 13 13-0011 EA 20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	246.24	22.57
For Stainless Steel, Add	205.35	
For Parallel Blade Damper, Add	63.18	
23 33 13 13-0012 EA 24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	272.17	22.57
For Stainless Steel, Add	233.83	
For Parallel Blade Damper, Add	71.95	
23 33 13 13-0013 EA 30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	312.12	25.94
For Stainless Steel, Add	273.77	
For Parallel Blade Damper, Add	84.24	
23 33 13 13-0014 EA 36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	336.33	27.07
For Stainless Steel, Add	298.31	
For Parallel Blade Damper, Add	91.79	
<b>23 33 13 13-0015 Rectangular Opposed Blade Damper (Ruskin CD) <small>(23 33 13 13)</small></b>		
23 33 13 13-0016 EA 6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	110.79	12.55
For Stainless Steel, Add	95.10	
For Parallel Blade Damper, Add	29.26	
23 33 13 13-0017 EA 8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	117.68	13.11
For Stainless Steel, Add	101.84	
For Parallel Blade Damper, Add	31.34	
23 33 13 13-0018 EA 8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	123.14	13.22
For Stainless Steel, Add	108.64	
For Parallel Blade Damper, Add	33.43	
23 33 13 13-0019 EA 10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	123.14	13.22
For Stainless Steel, Add	108.64	
For Parallel Blade Damper, Add	33.43	
23 33 13 13-0020 EA 10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	129.50	13.57
For Stainless Steel, Add	115.44	
For Parallel Blade Damper, Add	35.52	
23 33 13 13-0021 EA 10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	144.45	15.04
For Stainless Steel, Add	129.00	
For Parallel Blade Damper, Add	39.69	
23 33 13 13-0022 EA 12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	129.50	13.57
For Stainless Steel, Add	115.44	
For Parallel Blade Damper, Add	35.52	
23 33 13 13-0023 EA 12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	142.18	14.35
For Stainless Steel, Add	129.00	
For Parallel Blade Damper, Add	39.69	
23 33 13 13-0024 EA 12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	149.72	15.04
For Stainless Steel, Add	135.85	
For Parallel Blade Damper, Add	41.80	
23 33 13 13-0025 EA 12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	160.60	16.96
For Stainless Steel, Add	142.65	
For Parallel Blade Damper, Add	43.89	
23 33 13 13-0026 EA 14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	139.60	14.35
For Stainless Steel, Add	125.65	
For Parallel Blade Damper, Add	38.66	
23 33 13 13-0027 EA 14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	149.72	15.04
For Stainless Steel, Add	135.85	
For Parallel Blade Damper, Add	41.80	
23 33 13 13-0028 EA 14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	157.20	15.82
For Stainless Steel, Add	142.65	
For Parallel Blade Damper, Add	43.89	
23 33 13 13-0029 EA 14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	165.83	16.96
For Stainless Steel, Add	149.45	
For Parallel Blade Damper, Add	45.98	
23 33 13 13-0030 EA 14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	184.52	18.87
For Stainless Steel, Add	166.40	
For Parallel Blade Damper, Add	51.20	
23 33 13 13-0031 EA 16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	149.72	15.04
For Stainless Steel, Add	135.85	
For Parallel Blade Damper, Add	41.80	
23 33 13 13-0032 EA 16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	158.33	16.16
For Stainless Steel, Add	142.65	
For Parallel Blade Damper, Add	43.89	
23 33 13 13-0033 EA 16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	168.08	17.74
For Stainless Steel, Add	149.45	
For Parallel Blade Damper, Add	45.98	
23 33 13 13-0034 EA 16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	176.67	18.87
For Stainless Steel, Add	156.20	
For Parallel Blade Damper, Add	48.06	
23 33 13 13-0035 EA 16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	195.43	20.68
For Stainless Steel, Add	173.24	
For Parallel Blade Damper, Add	53.30	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0036	EA		16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	214.13	22.61
			<i>For Stainless Steel, Add</i>	190.19	
			<i>For Parallel Blade Damper, Add</i>	58.52	
23 33 13 13-0037	EA		18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	157.20	15.82
			<i>For Stainless Steel, Add</i>	142.65	
			<i>For Parallel Blade Damper, Add</i>	43.89	
23 33 13 13-0038	EA		18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	168.40	16.96
			<i>For Stainless Steel, Add</i>	152.79	
			<i>For Parallel Blade Damper, Add</i>	47.01	
23 33 13 13-0039	EA		18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	181.94	18.87
			<i>For Stainless Steel, Add</i>	163.05	
			<i>For Parallel Blade Damper, Add</i>	50.17	
23 33 13 13-0040	EA		18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	200.66	20.68
			<i>For Stainless Steel, Add</i>	180.04	
			<i>For Parallel Blade Damper, Add</i>	55.40	
23 33 13 13-0041	EA		18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	216.75	22.61
			<i>For Stainless Steel, Add</i>	193.60	
			<i>For Parallel Blade Damper, Add</i>	59.57	
23 33 13 13-0042	EA		18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	235.43	24.41
			<i>For Stainless Steel, Add</i>	210.55	
			<i>For Parallel Blade Damper, Add</i>	64.78	
23 33 13 13-0043	EA		18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	248.92	26.33
			<i>For Stainless Steel, Add</i>	220.74	
			<i>For Parallel Blade Damper, Add</i>	67.92	
23 33 13 13-0044	EA		20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	165.83	16.96
			<i>For Stainless Steel, Add</i>	149.45	
			<i>For Parallel Blade Damper, Add</i>	45.98	
23 33 13 13-0045	EA		20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	181.90	18.87
			<i>For Stainless Steel, Add</i>	162.99	
			<i>For Parallel Blade Damper, Add</i>	50.15	
23 33 13 13-0046	EA		20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	198.01	20.68
			<i>For Stainless Steel, Add</i>	176.59	
			<i>For Parallel Blade Damper, Add</i>	54.34	
23 33 13 13-0047	EA		20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	224.59	22.61
			<i>For Stainless Steel, Add</i>	203.79	
			<i>For Parallel Blade Damper, Add</i>	62.70	
23 33 13 13-0048	EA		20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	238.08	24.41
			<i>For Stainless Steel, Add</i>	213.99	
			<i>For Parallel Blade Damper, Add</i>	65.84	
23 33 13 13-0049	EA		20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	251.57	26.33
			<i>For Stainless Steel, Add</i>	224.19	
			<i>For Parallel Blade Damper, Add</i>	68.98	
23 33 13 13-0050	EA		20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	267.65	28.26
			<i>For Stainless Steel, Add</i>	237.74	
			<i>For Parallel Blade Damper, Add</i>	73.15	
23 33 13 13-0051	EA		20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	283.72	30.07
			<i>For Stainless Steel, Add</i>	251.29	
			<i>For Parallel Blade Damper, Add</i>	77.32	
23 33 13 13-0052	EA		24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	187.13	18.87
			<i>For Stainless Steel, Add</i>	169.79	
			<i>For Parallel Blade Damper, Add</i>	52.24	
23 33 13 13-0053	EA		24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	208.47	20.68
			<i>For Stainless Steel, Add</i>	190.19	
			<i>For Parallel Blade Damper, Add</i>	58.52	
23 33 13 13-0054	EA		24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	224.59	22.61
			<i>For Stainless Steel, Add</i>	203.79	
			<i>For Parallel Blade Damper, Add</i>	62.70	
23 33 13 13-0055	EA		24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	245.92	24.41
			<i>For Stainless Steel, Add</i>	224.19	
			<i>For Parallel Blade Damper, Add</i>	68.98	
23 33 13 13-0056	EA		24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	259.38	26.33
			<i>For Stainless Steel, Add</i>	234.34	
			<i>For Parallel Blade Damper, Add</i>	72.10	
23 33 13 13-0057	EA		24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	272.88	28.26
			<i>For Stainless Steel, Add</i>	244.54	
			<i>For Parallel Blade Damper, Add</i>	75.24	
23 33 13 13-0058	EA		24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	294.18	30.07
			<i>For Stainless Steel, Add</i>	264.89	
			<i>For Parallel Blade Damper, Add</i>	81.50	
23 33 13 13-0059	EA		24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	321.15	33.91
			<i>For Stainless Steel, Add</i>	285.25	
			<i>For Parallel Blade Damper, Add</i>	87.77	
23 33 13 13-0060	EA		24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	353.40	37.64
			<i>For Stainless Steel, Add</i>	312.48	
			<i>For Parallel Blade Damper, Add</i>	96.15	
23 33 13 13-0061	EA		28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	208.47	20.68
			<i>For Stainless Steel, Add</i>	190.19	
			<i>For Parallel Blade Damper, Add</i>	58.52	
23 33 13 13-0062	EA		28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	224.59	22.61
			<i>For Stainless Steel, Add</i>	203.79	
			<i>For Parallel Blade Damper, Add</i>	62.70	
23 33 13 13-0063	EA		28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	245.92	24.41
			<i>For Stainless Steel, Add</i>	224.19	
			<i>For Parallel Blade Damper, Add</i>	68.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0064 EA 28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	262.00	26.33
For Stainless Steel, Add	237.74	
For Parallel Blade Damper, Add	73.15	
23 33 13 13-0065 EA 28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	280.69	28.26
For Stainless Steel, Add	254.70	
For Parallel Blade Damper, Add	78.37	
23 33 13 13-0066 EA 28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	299.37	30.07
For Stainless Steel, Add	271.64	
For Parallel Blade Damper, Add	83.58	
23 33 13 13-0067 EA 28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	326.38	33.91
For Stainless Steel, Add	292.05	
For Parallel Blade Damper, Add	89.86	
23 33 13 13-0068 EA 28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	353.40	37.64
For Stainless Steel, Add	312.48	
For Parallel Blade Damper, Add	96.15	
23 33 13 13-0069 EA 28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	390.37	39.57
For Stainless Steel, Add	353.18	
For Parallel Blade Damper, Add	108.67	
23 33 13 13-0070 EA 28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	427.79	43.29
For Stainless Steel, Add	387.14	
For Parallel Blade Damper, Add	119.12	
23 33 13 13-0071 EA 32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	240.28	22.61
For Stainless Steel, Add	224.19	
For Parallel Blade Damper, Add	68.98	
23 33 13 13-0072 EA 32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	251.12	24.41
For Stainless Steel, Add	230.95	
For Parallel Blade Damper, Add	71.06	
23 33 13 13-0073 EA 32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	262.00	26.33
For Stainless Steel, Add	237.74	
For Parallel Blade Damper, Add	73.15	
23 33 13 13-0074 EA 32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	278.07	28.26
For Stainless Steel, Add	251.29	
For Parallel Blade Damper, Add	77.32	
23 33 13 13-0075 EA 32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	300.39	30.07
For Stainless Steel, Add	272.96	
For Parallel Blade Damper, Add	83.99	
23 33 13 13-0076 EA 32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	326.38	33.91
For Stainless Steel, Add	292.05	
For Parallel Blade Damper, Add	89.86	
23 33 13 13-0077 EA 32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	358.63	37.64
For Stainless Steel, Add	319.28	
For Parallel Blade Damper, Add	98.24	
23 33 13 13-0078 EA 32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	390.83	41.37
For Stainless Steel, Add	346.44	
For Parallel Blade Damper, Add	106.60	
23 33 13 13-0079 EA 32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	427.79	43.29
For Stainless Steel, Add	387.14	
For Parallel Blade Damper, Add	119.12	
23 33 13 13-0080 EA 32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	473.44	46.34
For Stainless Steel, Add	434.73	
For Parallel Blade Damper, Add	133.76	
23 33 13 13-0081 EA 32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	523.16	48.94
For Stainless Steel, Add	489.07	
For Parallel Blade Damper, Add	150.48	
23 33 13 13-0082 EA 36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	261.58	24.41
For Stainless Steel, Add	244.54	
For Parallel Blade Damper, Add	75.24	
23 33 13 13-0083 EA 36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	277.65	26.33
For Stainless Steel, Add	258.09	
For Parallel Blade Damper, Add	79.41	
23 33 13 13-0084 EA 36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	293.72	28.26
For Stainless Steel, Add	271.64	
For Parallel Blade Damper, Add	83.58	
23 33 13 13-0085 EA 36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	315.07	30.07
For Stainless Steel, Add	292.05	
For Parallel Blade Damper, Add	89.86	
23 33 13 13-0086 EA 36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	334.26	33.91
For Stainless Steel, Add	302.29	
For Parallel Blade Damper, Add	93.01	
23 33 13 13-0087 EA 36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	347.75	35.72
For Stainless Steel, Add	312.48	
For Parallel Blade Damper, Add	96.15	
23 33 13 13-0088 EA 36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	390.83	41.37
For Stainless Steel, Add	346.44	
For Parallel Blade Damper, Add	106.60	
23 33 13 13-0089 EA 36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	428.21	45.22
For Stainless Steel, Add	380.34	
For Parallel Blade Damper, Add	117.03	
23 33 13 13-0090 EA 36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	464.11	46.69
For Stainless Steel, Add	421.14	
For Parallel Blade Damper, Add	129.58	
23 33 13 13-0091 EA 36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	516.05	50.07
For Stainless Steel, Add	475.44	
For Parallel Blade Damper, Add	146.29	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0092	EA		36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	560.54	52.68
			<i>For Stainless Steel, Add</i> .....	522.98	
			<i>For Parallel Blade Damper, Add</i> .....	160.92	
23 33 13 13-0093	EA		36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	608.00	54.59
			<i>For Stainless Steel, Add</i> .....	577.33	
			<i>For Parallel Blade Damper, Add</i> .....	177.64	
23 33 13 13-0094	EA		40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	272.42	28.26
			<i>For Stainless Steel, Add</i> .....	251.29	
			<i>For Parallel Blade Damper, Add</i> .....	77.32	
23 33 13 13-0095	EA		40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	298.95	30.07
			<i>For Stainless Steel, Add</i> .....	278.43	
			<i>For Parallel Blade Damper, Add</i> .....	85.67	
23 33 13 13-0096	EA		40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	309.84	31.98
			<i>For Stainless Steel, Add</i> .....	285.25	
			<i>For Parallel Blade Damper, Add</i> .....	87.77	
23 33 13 13-0097	EA		40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	320.73	33.91
			<i>For Stainless Steel, Add</i> .....	292.05	
			<i>For Parallel Blade Damper, Add</i> .....	89.86	
23 33 13 13-0098	EA		40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	350.33	35.72
			<i>For Stainless Steel, Add</i> .....	315.84	
			<i>For Parallel Blade Damper, Add</i> .....	97.18	
23 33 13 13-0099	EA		40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	374.29	37.64
			<i>For Stainless Steel, Add</i> .....	339.64	
			<i>For Parallel Blade Damper, Add</i> .....	104.50	
23 33 13 13-0100	EA		40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	412.13	43.29
			<i>For Stainless Steel, Add</i> .....	366.78	
			<i>For Parallel Blade Damper, Add</i> .....	112.86	
23 33 13 13-0101	EA		40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	444.35	47.02
			<i>For Stainless Steel, Add</i> .....	393.98	
			<i>For Parallel Blade Damper, Add</i> .....	121.22	
23 33 13 13-0102	EA		40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	484.74	50.07
			<i>For Stainless Steel, Add</i> .....	434.73	
			<i>For Parallel Blade Damper, Add</i> .....	133.76	
23 33 13 13-0103	EA		40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	550.12	52.68
			<i>For Stainless Steel, Add</i> .....	509.43	
			<i>For Parallel Blade Damper, Add</i> .....	156.75	
23 33 13 13-0104	EA		40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	590.47	55.73
			<i>For Stainless Steel, Add</i> .....	550.13	
			<i>For Parallel Blade Damper, Add</i> .....	169.27	
23 33 13 13-0105	EA		40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	652.48	57.20
			<i>For Stainless Steel, Add</i> .....	624.87	
			<i>For Parallel Blade Damper, Add</i> .....	192.27	
23 33 13 13-0106	EA		40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	713.80	60.25
			<i>For Stainless Steel, Add</i> .....	692.82	
			<i>For Parallel Blade Damper, Add</i> .....	213.18	
23 33 13 13-0107	EA		44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	288.53	28.26
			<i>For Stainless Steel, Add</i> .....	264.89	
			<i>For Parallel Blade Damper, Add</i> .....	81.50	
23 33 13 13-0108	EA		44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	315.07	30.07
			<i>For Stainless Steel, Add</i> .....	292.05	
			<i>For Parallel Blade Damper, Add</i> .....	89.86	
23 33 13 13-0109	EA		44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	336.45	31.98
			<i>For Stainless Steel, Add</i> .....	312.48	
			<i>For Parallel Blade Damper, Add</i> .....	96.15	
23 33 13 13-0110	EA		44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	347.33	33.91
			<i>For Stainless Steel, Add</i> .....	319.28	
			<i>For Parallel Blade Damper, Add</i> .....	98.24	
23 33 13 13-0111	EA		44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	373.87	35.72
			<i>For Stainless Steel, Add</i> .....	346.44	
			<i>For Parallel Blade Damper, Add</i> .....	106.60	
23 33 13 13-0112	EA		44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	400.40	37.64
			<i>For Stainless Steel, Add</i> .....	373.58	
			<i>For Parallel Blade Damper, Add</i> .....	114.95	
23 33 13 13-0113	EA		44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	449.16	45.22
			<i>For Stainless Steel, Add</i> .....	407.58	
			<i>For Parallel Blade Damper, Add</i> .....	125.41	
23 33 13 13-0114	EA		44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	486.55	48.94
			<i>For Stainless Steel, Add</i> .....	441.48	
			<i>For Parallel Blade Damper, Add</i> .....	135.84	
23 33 13 13-0115	EA		44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	550.12	52.68
			<i>For Stainless Steel, Add</i> .....	509.43	
			<i>For Parallel Blade Damper, Add</i> .....	156.75	
23 33 13 13-0116	EA		44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	608.46	56.52
			<i>For Stainless Steel, Add</i> .....	570.57	
			<i>For Parallel Blade Damper, Add</i> .....	175.56	
23 33 13 13-0117	EA		44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	671.96	60.25
			<i>For Stainless Steel, Add</i> .....	638.43	
			<i>For Parallel Blade Damper, Add</i> .....	196.44	
23 33 13 13-0118	EA		44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	724.64	62.05
			<i>For Stainless Steel, Add</i> .....	699.57	
			<i>For Parallel Blade Damper, Add</i> .....	215.25	
23 33 13 13-0119	EA		44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	777.33	63.98
			<i>For Stainless Steel, Add</i> .....	760.72	
			<i>For Parallel Blade Damper, Add</i> .....	234.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0120 EA 44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	830.02	65.90
For Stainless Steel, Add	821.86	
For Parallel Blade Damper, Add	252.88	
23 33 13 13-0121 EA 48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	309.84	30.07
For Stainless Steel, Add	285.25	
For Parallel Blade Damper, Add	87.77	
23 33 13 13-0122 EA 48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	336.45	31.98
For Stainless Steel, Add	312.48	
For Parallel Blade Damper, Add	96.15	
23 33 13 13-0123 EA 48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	347.33	33.91
For Stainless Steel, Add	319.28	
For Parallel Blade Damper, Add	98.24	
23 33 13 13-0124 EA 48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	374.29	37.64
For Stainless Steel, Add	339.64	
For Parallel Blade Damper, Add	104.50	
23 33 13 13-0125 EA 48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	406.48	41.37
For Stainless Steel, Add	366.78	
For Parallel Blade Damper, Add	112.86	
23 33 13 13-0126 EA 48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	438.70	45.22
For Stainless Steel, Add	393.98	
For Parallel Blade Damper, Add	121.22	
23 33 13 13-0127 EA 48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	481.36	48.94
For Stainless Steel, Add	434.73	
For Parallel Blade Damper, Add	133.76	
23 33 13 13-0128 EA 48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	523.97	52.68
For Stainless Steel, Add	475.44	
For Parallel Blade Damper, Add	146.29	
23 33 13 13-0129 EA 48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	582.31	56.52
For Stainless Steel, Add	536.58	
For Parallel Blade Damper, Add	165.10	
23 33 13 13-0130 EA 48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	651.07	60.25
For Stainless Steel, Add	611.27	
For Parallel Blade Damper, Add	188.08	
23 33 13 13-0131 EA 48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	703.79	62.05
For Stainless Steel, Add	672.46	
For Parallel Blade Damper, Add	206.91	
23 33 13 13-0132 EA 48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	772.10	63.98
For Stainless Steel, Add	753.92	
For Parallel Blade Damper, Add	231.98	
23 33 13 13-0133 EA 48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	830.44	67.70
For Stainless Steel, Add	815.06	
For Parallel Blade Damper, Add	250.79	
23 33 13 13-0134 EA 48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	898.78	69.63
For Stainless Steel, Add	896.56	
For Parallel Blade Damper, Add	275.86	
23 33 13 13-0135 EA 48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	957.54	75.28
For Stainless Steel, Add	950.91	
For Parallel Blade Damper, Add	292.59	
23 33 13 13-0136 EA 52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	331.22	31.98
For Stainless Steel, Add	305.68	
For Parallel Blade Damper, Add	94.06	
23 33 13 13-0137 EA 52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	357.76	33.91
For Stainless Steel, Add	332.84	
For Parallel Blade Damper, Add	102.41	
23 33 13 13-0138 EA 52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	389.94	37.64
For Stainless Steel, Add	359.98	
For Parallel Blade Damper, Add	110.76	
23 33 13 13-0139 EA 52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	406.48	41.37
For Stainless Steel, Add	366.78	
For Parallel Blade Damper, Add	112.86	
23 33 13 13-0140 EA 52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	441.32	45.22
For Stainless Steel, Add	397.38	
For Parallel Blade Damper, Add	122.27	
23 33 13 13-0141 EA 52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	476.13	48.94
For Stainless Steel, Add	427.93	
For Parallel Blade Damper, Add	131.67	
23 33 13 13-0142 EA 52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	518.77	52.68
For Stainless Steel, Add	468.68	
For Parallel Blade Damper, Add	144.21	
23 33 13 13-0143 EA 52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	561.43	56.52
For Stainless Steel, Add	509.43	
For Parallel Blade Damper, Add	156.75	
23 33 13 13-0144 EA 52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	619.76	60.25
For Stainless Steel, Add	570.57	
For Parallel Blade Damper, Add	175.56	
23 33 13 13-0145 EA 52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	693.72	63.98
For Stainless Steel, Add	652.03	
For Parallel Blade Damper, Add	200.62	
23 33 13 13-0146 EA 52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	751.61	65.90
For Stainless Steel, Add	719.93	
For Parallel Blade Damper, Add	221.52	
23 33 13 13-0147 EA 52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	825.21	67.70
For Stainless Steel, Add	808.26	
For Parallel Blade Damper, Add	248.70	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0148 EA 52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	899.17	71.55
For Stainless Steel, Add	889.72	
For Parallel Blade Damper, Add	273.76	
23 33 13 13-0149 EA 52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	957.54	75.28
For Stainless Steel, Add	950.91	
For Parallel Blade Damper, Add	292.59	
23 33 13 13-0150 EA 52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,037.18	80.94
For Stainless Steel, Add	1,032.41	
For Parallel Blade Damper, Add	317.66	
23 33 13 13-0151 EA 52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,100.75	84.66
For Stainless Steel, Add	1,100.35	
For Parallel Blade Damper, Add	338.57	
23 33 13 13-0152 EA 56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	347.33	33.91
For Stainless Steel, Add	319.28	
For Parallel Blade Damper, Add	98.24	
23 33 13 13-0153 EA 56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	384.71	37.64
For Stainless Steel, Add	353.18	
For Parallel Blade Damper, Add	108.67	
23 33 13 13-0154 EA 56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	411.71	41.37
For Stainless Steel, Add	373.58	
For Parallel Blade Damper, Add	114.95	
23 33 13 13-0155 EA 56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	428.21	45.22
For Stainless Steel, Add	380.34	
For Parallel Blade Damper, Add	117.03	
23 33 13 13-0156 EA 56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	468.28	48.94
For Stainless Steel, Add	417.73	
For Parallel Blade Damper, Add	128.53	
23 33 13 13-0157 EA 56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	508.31	52.68
For Stainless Steel, Add	455.08	
For Parallel Blade Damper, Add	140.02	
23 33 13 13-0158 EA 56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	548.35	56.52
For Stainless Steel, Add	492.43	
For Parallel Blade Damper, Add	151.52	
23 33 13 13-0159 EA 56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	588.38	60.25
For Stainless Steel, Add	529.78	
For Parallel Blade Damper, Add	163.01	
23 33 13 13-0160 EA 56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	662.37	63.98
For Stainless Steel, Add	611.27	
For Parallel Blade Damper, Add	188.08	
23 33 13 13-0161 EA 56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	730.76	65.90
For Stainless Steel, Add	692.82	
For Parallel Blade Damper, Add	213.18	
23 33 13 13-0162 EA 56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	793.87	67.70
For Stainless Steel, Add	767.52	
For Parallel Blade Damper, Add	236.16	
23 33 13 13-0163 EA 56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	878.32	71.55
For Stainless Steel, Add	862.62	
For Parallel Blade Damper, Add	265.42	
23 33 13 13-0164 EA 56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	952.31	75.28
For Stainless Steel, Add	944.11	
For Parallel Blade Damper, Add	290.50	
23 33 13 13-0165 EA 56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,031.53	79.01
For Stainless Steel, Add	1,032.41	
For Parallel Blade Damper, Add	317.66	
23 33 13 13-0166 EA 56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,095.10	82.85
For Stainless Steel, Add	1,100.35	
For Parallel Blade Damper, Add	338.57	
23 33 13 13-0167 EA 56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,174.32	86.59
For Stainless Steel, Add	1,188.64	
For Parallel Blade Damper, Add	365.74	
23 33 13 13-0168 EA 56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,253.55	90.31
For Stainless Steel, Add	1,276.95	
For Parallel Blade Damper, Add	392.91	
23 33 13 13-0169 EA 60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	374.29	37.64
For Stainless Steel, Add	339.64	
For Parallel Blade Damper, Add	104.50	
23 33 13 13-0170 EA 60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	411.71	41.37
For Stainless Steel, Add	373.58	
For Parallel Blade Damper, Add	114.95	
23 33 13 13-0171 EA 60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	433.44	45.22
For Stainless Steel, Add	387.14	
For Parallel Blade Damper, Add	119.12	
23 33 13 13-0172 EA 60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	450.01	48.94
For Stainless Steel, Add	393.98	
For Parallel Blade Damper, Add	121.22	
23 33 13 13-0173 EA 60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	492.66	52.68
For Stainless Steel, Add	434.73	
For Parallel Blade Damper, Add	133.76	
23 33 13 13-0174 EA 60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	535.28	56.52
For Stainless Steel, Add	475.44	
For Parallel Blade Damper, Add	146.29	
23 33 13 13-0175 EA 60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	580.54	60.25
For Stainless Steel, Add	519.58	
For Parallel Blade Damper, Add	159.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0176 EA 60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	625.80	63.98
For Stainless Steel, Add	563.73	
For Parallel Blade Damper, Add	173.46	
23 33 13 13-0177 EA 60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	699.38	65.90
For Stainless Steel, Add	652.03	
For Parallel Blade Damper, Add	200.62	
23 33 13 13-0178 EA 60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	767.72	67.70
For Stainless Steel, Add	733.53	
For Parallel Blade Damper, Add	225.70	
23 33 13 13-0179 EA 60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	846.97	71.55
For Stainless Steel, Add	821.86	
For Parallel Blade Damper, Add	252.88	
23 33 13 13-0180 EA 60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	926.19	75.28
For Stainless Steel, Add	910.16	
For Parallel Blade Damper, Add	280.05	
23 33 13 13-0181 EA 60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	989.72	79.01
For Stainless Steel, Add	978.06	
For Parallel Blade Damper, Add	300.94	
23 33 13 13-0182 EA 60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,084.61	82.85
For Stainless Steel, Add	1,086.71	
For Parallel Blade Damper, Add	334.37	
23 33 13 13-0183 EA 60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,169.06	86.59
For Stainless Steel, Add	1,181.80	
For Parallel Blade Damper, Add	363.63	
23 33 13 13-0184 EA 60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,253.55	90.31
For Stainless Steel, Add	1,276.95	
For Parallel Blade Damper, Add	392.91	
23 33 13 13-0185 EA 60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,327.47	94.16
For Stainless Steel, Add	1,358.34	
For Parallel Blade Damper, Add	417.95	
23 33 13 13-0186 EA 60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,401.54	97.89
For Stainless Steel, Add	1,439.95	
For Parallel Blade Damper, Add	443.06	

**23 33 13 16 Fire Dampers** (23 33 13)

**23 33 13 16-0001 Fire Dampers** (23 33 13 16)

23 33 13 16-0002 SF Curtain Type, Vertical, Fire Damper .....	122.64	12.21
For Smoke Damper, Add	73.02	
For Spring Activated Horizontal Mount Operation, Add	19.33	
For Dynamic Damper, Add	46.39	
For 3 Hour Rated, Add	25.77	
23 33 13 16-0003 SF Louver Type, Vertical, Fire Damper .....	169.50	12.21
For Smoke Damper, Add	112.85	
For Spring Activated Horizontal Mount Operation, Add	29.87	
For Dynamic Damper, Add	71.69	
For 3 Hour Rated, Add	39.83	

**23 33 13 16-0004 Folding Curtain Fire Dampers** (23 33 13 16)

Note: UL Listed. Air stream 22 gauge galvanized steel construction with fusible link 160 F, gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.

23 33 13 16-0005 EA 6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	62.24	12.55
For Spring Activated Horizontal Mount Operation, Add	5.54	
For Dynamic Damper, Add	13.28	
For 3 Hour Rated, Add	7.38	
For Cap Of Damper Blades Outside Air Stream, Add	6.15	
23 33 13 16-0006 EA 8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	65.68	13.11
For Spring Activated Horizontal Mount Operation, Add	5.93	
For Dynamic Damper, Add	14.22	
For 3 Hour Rated, Add	7.90	
For Cap Of Damper Blades Outside Air Stream, Add	6.59	
23 33 13 16-0007 EA 8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	67.67	13.22
For Spring Activated Horizontal Mount Operation, Add	6.32	
For Dynamic Damper, Add	15.17	
For 3 Hour Rated, Add	8.43	
For Cap Of Damper Blades Outside Air Stream, Add	7.03	
23 33 13 16-0008 EA 10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	67.67	13.22
For Spring Activated Horizontal Mount Operation, Add	6.32	
For Dynamic Damper, Add	15.17	
For 3 Hour Rated, Add	8.43	
For Cap Of Damper Blades Outside Air Stream, Add	7.03	
23 33 13 16-0009 EA 10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	70.56	13.57
For Spring Activated Horizontal Mount Operation, Add	6.72	
For Dynamic Damper, Add	16.12	
For 3 Hour Rated, Add	8.96	
For Cap Of Damper Blades Outside Air Stream, Add	7.47	
23 33 13 16-0010 EA 10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	78.59	15.04
For Spring Activated Horizontal Mount Operation, Add	7.51	
For Dynamic Damper, Add	18.02	
For 3 Hour Rated, Add	10.01	
For Cap Of Damper Blades Outside Air Stream, Add	8.34	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0011	EA		12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	70.56	13.57
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	6.72	
			<i>For Dynamic Damper, Add</i>	16.12	
			<i>For 3 Hour Rated, Add</i>	8.96	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	7.47	
23 33 13 16-0012	EA		12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	76.32	14.35
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	7.51	
			<i>For Dynamic Damper, Add</i>	18.02	
			<i>For 3 Hour Rated, Add</i>	10.01	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	8.34	
23 33 13 16-0013	EA		12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	80.35	15.04
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	7.90	
			<i>For Dynamic Damper, Add</i>	18.97	
			<i>For 3 Hour Rated, Add</i>	10.54	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	8.78	
23 33 13 16-0014	EA		12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.76	16.96
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	8.30	
			<i>For Dynamic Damper, Add</i>	19.92	
			<i>For 3 Hour Rated, Add</i>	11.07	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	9.22	
23 33 13 16-0015	EA		14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	75.44	14.35
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	7.31	
			<i>For Dynamic Damper, Add</i>	17.54	
			<i>For 3 Hour Rated, Add</i>	9.75	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	8.12	
23 33 13 16-0016	EA		14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	80.35	15.04
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	7.90	
			<i>For Dynamic Damper, Add</i>	18.97	
			<i>For 3 Hour Rated, Add</i>	10.54	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	8.78	
23 33 13 16-0017	EA		14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.36	15.82
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	8.30	
			<i>For Dynamic Damper, Add</i>	19.92	
			<i>For 3 Hour Rated, Add</i>	11.07	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	9.22	
23 33 13 16-0018	EA		14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	89.52	16.96
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	8.70	
			<i>For Dynamic Damper, Add</i>	20.87	
			<i>For 3 Hour Rated, Add</i>	11.60	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	9.66	
23 33 13 16-0019	EA		14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	99.56	18.87
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	9.68	
			<i>For Dynamic Damper, Add</i>	23.24	
			<i>For 3 Hour Rated, Add</i>	12.91	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	10.76	
23 33 13 16-0020	EA		16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	80.35	15.04
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	7.90	
			<i>For Dynamic Damper, Add</i>	18.97	
			<i>For 3 Hour Rated, Add</i>	10.54	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	8.78	
23 33 13 16-0021	EA		16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	85.49	16.16
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	8.30	
			<i>For Dynamic Damper, Add</i>	19.92	
			<i>For 3 Hour Rated, Add</i>	11.07	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	9.22	
23 33 13 16-0022	EA		16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	91.77	17.74
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	8.70	
			<i>For Dynamic Damper, Add</i>	20.87	
			<i>For 3 Hour Rated, Add</i>	11.60	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	9.66	
23 33 13 16-0023	EA		16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	96.91	18.87
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	9.09	
			<i>For Dynamic Damper, Add</i>	21.81	
			<i>For 3 Hour Rated, Add</i>	12.12	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	10.10	
23 33 13 16-0024	EA		16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	106.97	20.68
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	10.08	
			<i>For Dynamic Damper, Add</i>	24.19	
			<i>For 3 Hour Rated, Add</i>	13.44	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	11.20	
23 33 13 16-0025	EA		16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	117.02	22.61
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.07	
			<i>For Dynamic Damper, Add</i>	26.56	
			<i>For 3 Hour Rated, Add</i>	14.76	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0026	EA		18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.36	15.82
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	8.30	
			<i>For Dynamic Damper, Add</i>	19.92	
			<i>For 3 Hour Rated, Add</i>	11.07	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	9.22	
23 33 13 16-0027	EA		18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	90.39	16.96
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	8.89	
			<i>For Dynamic Damper, Add</i>	21.34	
			<i>For 3 Hour Rated, Add</i>	11.86	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	9.88	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0028 EA 18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	98.69	18.87
For Spring Activated Horizontal Mount Operation, Add	9.49	
For Dynamic Damper, Add	22.77	
For 3 Hour Rated, Add	12.65	
For Cap Of Damper Blades Outside Air Stream, Add	10.54	
23 33 13 16-0029 EA 18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	108.73	20.68
For Spring Activated Horizontal Mount Operation, Add	10.48	
For Dynamic Damper, Add	25.14	
For 3 Hour Rated, Add	13.97	
For Cap Of Damper Blades Outside Air Stream, Add	11.64	
23 33 13 16-0030 EA 18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	117.89	22.61
For Spring Activated Horizontal Mount Operation, Add	11.26	
For Dynamic Damper, Add	27.03	
For 3 Hour Rated, Add	15.02	
For Cap Of Damper Blades Outside Air Stream, Add	12.52	
23 33 13 16-0031 EA 18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	127.93	24.41
For Spring Activated Horizontal Mount Operation, Add	12.25	
For Dynamic Damper, Add	29.41	
For 3 Hour Rated, Add	16.34	
For Cap Of Damper Blades Outside Air Stream, Add	13.62	
23 33 13 16-0032 EA 18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	136.21	26.33
For Spring Activated Horizontal Mount Operation, Add	12.85	
For Dynamic Damper, Add	30.83	
For 3 Hour Rated, Add	17.13	
For Cap Of Damper Blades Outside Air Stream, Add	14.27	
23 33 13 16-0033 EA 20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	89.52	16.96
For Spring Activated Horizontal Mount Operation, Add	8.70	
For Dynamic Damper, Add	20.87	
For 3 Hour Rated, Add	11.60	
For Cap Of Damper Blades Outside Air Stream, Add	9.66	
23 33 13 16-0034 EA 20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	98.67	18.87
For Spring Activated Horizontal Mount Operation, Add	9.48	
For Dynamic Damper, Add	22.76	
For 3 Hour Rated, Add	12.65	
For Cap Of Damper Blades Outside Air Stream, Add	10.54	
23 33 13 16-0035 EA 20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	107.84	20.68
For Spring Activated Horizontal Mount Operation, Add	10.28	
For Dynamic Damper, Add	24.66	
For 3 Hour Rated, Add	13.70	
For Cap Of Damper Blades Outside Air Stream, Add	11.42	
23 33 13 16-0036 EA 20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	120.54	22.61
For Spring Activated Horizontal Mount Operation, Add	11.86	
For Dynamic Damper, Add	28.46	
For 3 Hour Rated, Add	15.81	
For Cap Of Damper Blades Outside Air Stream, Add	13.18	
23 33 13 16-0037 EA 20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	128.81	24.41
For Spring Activated Horizontal Mount Operation, Add	12.45	
For Dynamic Damper, Add	29.88	
For 3 Hour Rated, Add	16.60	
For Cap Of Damper Blades Outside Air Stream, Add	13.84	
23 33 13 16-0038 EA 20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	137.10	26.33
For Spring Activated Horizontal Mount Operation, Add	13.05	
For Dynamic Damper, Add	31.31	
For 3 Hour Rated, Add	17.39	
For Cap Of Damper Blades Outside Air Stream, Add	14.50	
23 33 13 16-0039 EA 20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	146.25	28.26
For Spring Activated Horizontal Mount Operation, Add	13.83	
For Dynamic Damper, Add	33.20	
For 3 Hour Rated, Add	18.44	
For Cap Of Damper Blades Outside Air Stream, Add	15.37	
23 33 13 16-0040 EA 20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.41	30.07
For Spring Activated Horizontal Mount Operation, Add	14.62	
For Dynamic Damper, Add	35.09	
For 3 Hour Rated, Add	19.50	
For Cap Of Damper Blades Outside Air Stream, Add	16.25	
23 33 13 16-0041 EA 24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	100.43	18.87
For Spring Activated Horizontal Mount Operation, Add	9.88	
For Dynamic Damper, Add	23.71	
For 3 Hour Rated, Add	13.17	
For Cap Of Damper Blades Outside Air Stream, Add	10.98	
23 33 13 16-0042 EA 24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	111.36	20.68
For Spring Activated Horizontal Mount Operation, Add	11.07	
For Dynamic Damper, Add	26.56	
For 3 Hour Rated, Add	14.76	
For Cap Of Damper Blades Outside Air Stream, Add	12.30	
23 33 13 16-0043 EA 24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	120.54	22.61
For Spring Activated Horizontal Mount Operation, Add	11.86	
For Dynamic Damper, Add	28.46	
For 3 Hour Rated, Add	15.81	
For Cap Of Damper Blades Outside Air Stream, Add	13.18	
23 33 13 16-0044 EA 24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	131.45	24.41
For Spring Activated Horizontal Mount Operation, Add	13.05	
For Dynamic Damper, Add	31.31	
For 3 Hour Rated, Add	17.39	
For Cap Of Damper Blades Outside Air Stream, Add	14.50	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0045	EA		24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	139.73	26.33
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.64	
			<i>For Dynamic Damper, Add</i>	32.73	
			<i>For 3 Hour Rated, Add</i>	18.18	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	15.15	
23 33 13 16-0046	EA		24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	148.01	28.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.23	
			<i>For Dynamic Damper, Add</i>	34.15	
			<i>For 3 Hour Rated, Add</i>	18.97	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	15.81	
23 33 13 16-0047	EA		24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	158.93	30.07
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.41	
			<i>For Dynamic Damper, Add</i>	37.00	
			<i>For 3 Hour Rated, Add</i>	20.55	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.13	
23 33 13 16-0048	EA		24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	175.50	33.91
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.60	
			<i>For Dynamic Damper, Add</i>	39.84	
			<i>For 3 Hour Rated, Add</i>	22.13	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.44	
23 33 13 16-0049	EA		24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	193.84	37.64
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.18	
			<i>For Dynamic Damper, Add</i>	43.64	
			<i>For 3 Hour Rated, Add</i>	24.24	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.20	
23 33 13 16-0050	EA		28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	111.36	20.68
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.07	
			<i>For Dynamic Damper, Add</i>	26.56	
			<i>For 3 Hour Rated, Add</i>	14.76	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0051	EA		28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	120.54	22.61
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.86	
			<i>For Dynamic Damper, Add</i>	28.46	
			<i>For 3 Hour Rated, Add</i>	15.81	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	13.18	
23 33 13 16-0052	EA		28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	131.45	24.41
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.05	
			<i>For Dynamic Damper, Add</i>	31.31	
			<i>For 3 Hour Rated, Add</i>	17.39	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	14.50	
23 33 13 16-0053	EA		28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	140.60	26.33
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.83	
			<i>For Dynamic Damper, Add</i>	33.20	
			<i>For 3 Hour Rated, Add</i>	18.44	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	15.37	
23 33 13 16-0054	EA		28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	150.65	28.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.82	
			<i>For Dynamic Damper, Add</i>	35.58	
			<i>For 3 Hour Rated, Add</i>	19.76	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	16.47	
23 33 13 16-0055	EA		28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	160.67	30.07
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.81	
			<i>For Dynamic Damper, Add</i>	37.94	
			<i>For 3 Hour Rated, Add</i>	21.08	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.56	
23 33 13 16-0056	EA		28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	177.26	33.91
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.99	
			<i>For Dynamic Damper, Add</i>	40.79	
			<i>For 3 Hour Rated, Add</i>	22.66	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.88	
23 33 13 16-0057	EA		28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	193.84	37.64
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.18	
			<i>For Dynamic Damper, Add</i>	43.64	
			<i>For 3 Hour Rated, Add</i>	24.24	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.20	
23 33 13 16-0058	EA		28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	210.03	39.57
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.55	
			<i>For Dynamic Damper, Add</i>	49.32	
			<i>For 3 Hour Rated, Add</i>	27.40	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.84	
23 33 13 16-0059	EA		28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	230.12	43.29
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.53	
			<i>For Dynamic Damper, Add</i>	54.07	
			<i>For 3 Hour Rated, Add</i>	30.04	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	25.03	
23 33 13 16-0060	EA		32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	125.81	22.61
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.05	
			<i>For Dynamic Damper, Add</i>	31.31	
			<i>For 3 Hour Rated, Add</i>	17.39	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	14.50	
23 33 13 16-0061	EA		32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	133.19	24.41
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.44	
			<i>For Dynamic Damper, Add</i>	32.25	
			<i>For 3 Hour Rated, Add</i>	17.92	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	14.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0062 EA 32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	140.60	26.33
<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.83	
<i>For Dynamic Damper, Add</i>	33.20	
<i>For 3 Hour Rated, Add</i>	18.44	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	15.37	
23 33 13 16-0063 EA 32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	149.76	28.26
<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.62	
<i>For Dynamic Damper, Add</i>	35.09	
<i>For 3 Hour Rated, Add</i>	19.50	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	16.25	
23 33 13 16-0064 EA 32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.01	30.07
<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.88	
<i>For Dynamic Damper, Add</i>	38.12	
<i>For 3 Hour Rated, Add</i>	21.18	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.65	
23 33 13 16-0065 EA 32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	177.26	33.91
<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.99	
<i>For Dynamic Damper, Add</i>	40.79	
<i>For 3 Hour Rated, Add</i>	22.66	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.88	
23 33 13 16-0066 EA 32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	195.60	37.64
<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.58	
<i>For Dynamic Damper, Add</i>	44.59	
<i>For 3 Hour Rated, Add</i>	24.77	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.64	
23 33 13 16-0067 EA 32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	213.94	41.37
<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.16	
<i>For Dynamic Damper, Add</i>	48.38	
<i>For 3 Hour Rated, Add</i>	26.88	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.40	
23 33 13 16-0068 EA 32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	230.12	43.29
<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.53	
<i>For Dynamic Damper, Add</i>	54.07	
<i>For 3 Hour Rated, Add</i>	30.04	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	25.03	
23 33 13 16-0069 EA 32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	251.46	46.34
<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.30	
<i>For Dynamic Damper, Add</i>	60.71	
<i>For 3 Hour Rated, Add</i>	33.73	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	28.11	
23 33 13 16-0070 EA 32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	273.44	48.94
<i>For Spring Activated Horizontal Mount Operation, Add</i>	28.46	
<i>For Dynamic Damper, Add</i>	68.30	
<i>For 3 Hour Rated, Add</i>	37.95	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	31.62	
23 33 13 16-0071 EA 36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	136.71	24.41
<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.23	
<i>For Dynamic Damper, Add</i>	34.15	
<i>For 3 Hour Rated, Add</i>	18.97	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	15.81	
23 33 13 16-0072 EA 36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	145.87	26.33
<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.02	
<i>For Dynamic Damper, Add</i>	36.05	
<i>For 3 Hour Rated, Add</i>	20.03	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	16.69	
23 33 13 16-0073 EA 36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.02	28.26
<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.81	
<i>For Dynamic Damper, Add</i>	37.94	
<i>For 3 Hour Rated, Add</i>	21.08	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.56	
23 33 13 16-0074 EA 36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	165.95	30.07
<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.99	
<i>For Dynamic Damper, Add</i>	40.79	
<i>For 3 Hour Rated, Add</i>	22.66	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.88	
23 33 13 16-0075 EA 36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	179.91	33.91
<i>For Spring Activated Horizontal Mount Operation, Add</i>	17.59	
<i>For Dynamic Damper, Add</i>	42.22	
<i>For 3 Hour Rated, Add</i>	23.45	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	19.55	
23 33 13 16-0076 EA 36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	188.19	35.72
<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.18	
<i>For Dynamic Damper, Add</i>	43.64	
<i>For 3 Hour Rated, Add</i>	24.24	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.20	
23 33 13 16-0077 EA 36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	213.94	41.37
<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.16	
<i>For Dynamic Damper, Add</i>	48.38	
<i>For 3 Hour Rated, Add</i>	26.88	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.40	
23 33 13 16-0078 EA 36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	234.01	45.22
<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.13	
<i>For Dynamic Damper, Add</i>	53.12	
<i>For 3 Hour Rated, Add</i>	29.51	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.59	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0079	EA		36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	202.40	46.69
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.00	
			<i>For Dynamic Damper, Add</i>	33.61	
			<i>For 3 Hour Rated, Add</i>	18.67	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	15.56	
23 33 13 16-0080	EA		36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	273.30	50.07
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.67	
			<i>For Dynamic Damper, Add</i>	66.40	
			<i>For 3 Hour Rated, Add</i>	36.89	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.74	
23 33 13 16-0081	EA		36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	293.51	52.68
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.43	
			<i>For Dynamic Damper, Add</i>	73.04	
			<i>For 3 Hour Rated, Add</i>	40.58	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	33.82	
23 33 13 16-0082	EA		36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	313.21	54.59
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	33.59	
			<i>For Dynamic Damper, Add</i>	80.63	
			<i>For 3 Hour Rated, Add</i>	44.79	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	37.33	
23 33 13 16-0083	EA		40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	144.11	28.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.62	
			<i>For Dynamic Damper, Add</i>	35.09	
			<i>For 3 Hour Rated, Add</i>	19.50	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	16.25	
23 33 13 16-0084	EA		40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	156.78	30.07
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.20	
			<i>For Dynamic Damper, Add</i>	38.89	
			<i>For 3 Hour Rated, Add</i>	21.60	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.00	
23 33 13 16-0085	EA		40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	164.19	31.98
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.60	
			<i>For Dynamic Damper, Add</i>	39.84	
			<i>For 3 Hour Rated, Add</i>	22.13	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.44	
23 33 13 16-0086	EA		40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	171.61	33.91
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.99	
			<i>For Dynamic Damper, Add</i>	40.79	
			<i>For 3 Hour Rated, Add</i>	22.66	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.88	
23 33 13 16-0087	EA		40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	189.07	35.72
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.38	
			<i>For Dynamic Damper, Add</i>	44.11	
			<i>For 3 Hour Rated, Add</i>	24.51	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.42	
23 33 13 16-0088	EA		40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	200.87	37.64
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	19.76	
			<i>For Dynamic Damper, Add</i>	47.43	
			<i>For 3 Hour Rated, Add</i>	26.35	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	21.96	
23 33 13 16-0089	EA		40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	224.85	43.29
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	21.34	
			<i>For Dynamic Damper, Add</i>	51.22	
			<i>For 3 Hour Rated, Add</i>	28.46	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	23.72	
23 33 13 16-0090	EA		40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	243.18	47.02
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.93	
			<i>For Dynamic Damper, Add</i>	55.02	
			<i>For 3 Hour Rated, Add</i>	30.57	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	25.47	
23 33 13 16-0091	EA		40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	262.76	50.07
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.30	
			<i>For Dynamic Damper, Add</i>	60.71	
			<i>For 3 Hour Rated, Add</i>	33.73	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	28.11	
23 33 13 16-0092	EA		40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	290.00	52.68
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	29.64	
			<i>For Dynamic Damper, Add</i>	71.15	
			<i>For 3 Hour Rated, Add</i>	39.53	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	32.94	
23 33 13 16-0093	EA		40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	309.57	55.73
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	32.01	
			<i>For Dynamic Damper, Add</i>	76.83	
			<i>For 3 Hour Rated, Add</i>	42.68	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	35.57	
23 33 13 16-0094	EA		40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	333.42	57.20
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	36.36	
			<i>For Dynamic Damper, Add</i>	87.27	
			<i>For 3 Hour Rated, Add</i>	48.48	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	40.40	
23 33 13 16-0095	EA		40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	360.04	60.25
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	40.32	
			<i>For Dynamic Damper, Add</i>	96.76	
			<i>For 3 Hour Rated, Add</i>	53.75	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	44.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0096 EA 44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	153.28	28.26
For Spring Activated Horizontal Mount Operation, Add	15.41	
For Dynamic Damper, Add	37.00	
For 3 Hour Rated, Add	20.55	
For Cap Of Damper Blades Outside Air Stream, Add	17.13	
23 33 13 16-0097 EA 44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	165.95	30.07
For Spring Activated Horizontal Mount Operation, Add	16.99	
For Dynamic Damper, Add	40.79	
For 3 Hour Rated, Add	22.66	
For Cap Of Damper Blades Outside Air Stream, Add	18.88	
23 33 13 16-0098 EA 44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	176.89	31.98
For Spring Activated Horizontal Mount Operation, Add	18.18	
For Dynamic Damper, Add	43.64	
For 3 Hour Rated, Add	24.24	
For Cap Of Damper Blades Outside Air Stream, Add	20.20	
23 33 13 16-0099 EA 44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	184.30	33.91
For Spring Activated Horizontal Mount Operation, Add	18.58	
For Dynamic Damper, Add	44.59	
For 3 Hour Rated, Add	24.77	
For Cap Of Damper Blades Outside Air Stream, Add	20.64	
23 33 13 16-0100 EA 44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	196.98	35.72
For Spring Activated Horizontal Mount Operation, Add	20.16	
For Dynamic Damper, Add	48.38	
For 3 Hour Rated, Add	26.88	
For Cap Of Damper Blades Outside Air Stream, Add	22.40	
23 33 13 16-0101 EA 44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	209.65	37.64
For Spring Activated Horizontal Mount Operation, Add	21.74	
For Dynamic Damper, Add	52.17	
For 3 Hour Rated, Add	28.99	
For Cap Of Damper Blades Outside Air Stream, Add	24.16	
23 33 13 16-0102 EA 44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	241.05	45.22
For Spring Activated Horizontal Mount Operation, Add	23.72	
For Dynamic Damper, Add	56.92	
For 3 Hour Rated, Add	31.62	
For Cap Of Damper Blades Outside Air Stream, Add	26.35	
23 33 13 16-0103 EA 44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	261.13	48.94
For Spring Activated Horizontal Mount Operation, Add	25.69	
For Dynamic Damper, Add	61.66	
For 3 Hour Rated, Add	34.25	
For Cap Of Damper Blades Outside Air Stream, Add	28.55	
23 33 13 16-0104 EA 44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	290.00	52.68
For Spring Activated Horizontal Mount Operation, Add	29.64	
For Dynamic Damper, Add	71.15	
For 3 Hour Rated, Add	39.53	
For Cap Of Damper Blades Outside Air Stream, Add	32.94	
23 33 13 16-0105 EA 44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	317.12	56.52
For Spring Activated Horizontal Mount Operation, Add	33.20	
For Dynamic Damper, Add	79.68	
For 3 Hour Rated, Add	44.27	
For Cap Of Damper Blades Outside Air Stream, Add	36.89	
23 33 13 16-0106 EA 44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	345.98	60.25
For Spring Activated Horizontal Mount Operation, Add	37.15	
For Dynamic Damper, Add	89.16	
For 3 Hour Rated, Add	49.54	
For Cap Of Damper Blades Outside Air Stream, Add	41.28	
23 33 13 16-0107 EA 44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	367.44	62.05
For Spring Activated Horizontal Mount Operation, Add	40.71	
For Dynamic Damper, Add	97.70	
For 3 Hour Rated, Add	54.28	
For Cap Of Damper Blades Outside Air Stream, Add	45.23	
23 33 13 16-0108 EA 44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	388.90	63.98
For Spring Activated Horizontal Mount Operation, Add	44.27	
For Dynamic Damper, Add	106.24	
For 3 Hour Rated, Add	59.02	
For Cap Of Damper Blades Outside Air Stream, Add	49.19	
23 33 13 16-0109 EA 44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	410.38	65.90
For Spring Activated Horizontal Mount Operation, Add	47.83	
For Dynamic Damper, Add	114.78	
For 3 Hour Rated, Add	63.77	
For Cap Of Damper Blades Outside Air Stream, Add	53.14	
23 33 13 16-0110 EA 48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	164.19	30.07
For Spring Activated Horizontal Mount Operation, Add	16.60	
For Dynamic Damper, Add	39.84	
For 3 Hour Rated, Add	22.13	
For Cap Of Damper Blades Outside Air Stream, Add	18.44	
23 33 13 16-0111 EA 48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	176.89	31.98
For Spring Activated Horizontal Mount Operation, Add	18.18	
For Dynamic Damper, Add	43.64	
For 3 Hour Rated, Add	24.24	
For Cap Of Damper Blades Outside Air Stream, Add	20.20	
23 33 13 16-0112 EA 48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	184.30	33.91
For Spring Activated Horizontal Mount Operation, Add	18.58	
For Dynamic Damper, Add	44.59	
For 3 Hour Rated, Add	24.77	
For Cap Of Damper Blades Outside Air Stream, Add	20.64	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0113 EA 48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	200.87	37.64
For Spring Activated Horizontal Mount Operation, Add	19.76	
For Dynamic Damper, Add	47.43	
For 3 Hour Rated, Add	26.35	
For Cap Of Damper Blades Outside Air Stream, Add	21.96	
23 33 13 16-0114 EA 48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	219.20	41.37
For Spring Activated Horizontal Mount Operation, Add	21.34	
For Dynamic Damper, Add	51.22	
For 3 Hour Rated, Add	28.46	
For Cap Of Damper Blades Outside Air Stream, Add	23.72	
23 33 13 16-0115 EA 48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	237.53	45.22
For Spring Activated Horizontal Mount Operation, Add	22.93	
For Dynamic Damper, Add	55.02	
For 3 Hour Rated, Add	30.57	
For Cap Of Damper Blades Outside Air Stream, Add	25.47	
23 33 13 16-0116 EA 48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	259.38	48.94
For Spring Activated Horizontal Mount Operation, Add	25.30	
For Dynamic Damper, Add	60.71	
For 3 Hour Rated, Add	33.73	
For Cap Of Damper Blades Outside Air Stream, Add	28.11	
23 33 13 16-0117 EA 48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	281.22	52.68
For Spring Activated Horizontal Mount Operation, Add	27.67	
For Dynamic Damper, Add	66.40	
For 3 Hour Rated, Add	36.89	
For Cap Of Damper Blades Outside Air Stream, Add	30.74	
23 33 13 16-0118 EA 48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	308.34	56.52
For Spring Activated Horizontal Mount Operation, Add	31.23	
For Dynamic Damper, Add	74.94	
For 3 Hour Rated, Add	41.63	
For Cap Of Damper Blades Outside Air Stream, Add	34.70	
23 33 13 16-0119 EA 48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	338.95	60.25
For Spring Activated Horizontal Mount Operation, Add	35.57	
For Dynamic Damper, Add	85.37	
For 3 Hour Rated, Add	47.43	
For Cap Of Damper Blades Outside Air Stream, Add	39.52	
23 33 13 16-0120 EA 48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	360.43	62.05
For Spring Activated Horizontal Mount Operation, Add	39.13	
For Dynamic Damper, Add	93.92	
For 3 Hour Rated, Add	52.18	
For Cap Of Damper Blades Outside Air Stream, Add	43.48	
23 33 13 16-0121 EA 48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	387.14	63.98
For Spring Activated Horizontal Mount Operation, Add	43.87	
For Dynamic Damper, Add	105.29	
For 3 Hour Rated, Add	58.49	
For Cap Of Damper Blades Outside Air Stream, Add	48.75	
23 33 13 16-0122 EA 48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	414.27	67.70
For Spring Activated Horizontal Mount Operation, Add	47.43	
For Dynamic Damper, Add	113.83	
For 3 Hour Rated, Add	63.24	
For Cap Of Damper Blades Outside Air Stream, Add	52.70	
23 33 13 16-0123 EA 48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	441.00	69.63
For Spring Activated Horizontal Mount Operation, Add	52.17	
For Dynamic Damper, Add	125.22	
For 3 Hour Rated, Add	69.56	
For Cap Of Damper Blades Outside Air Stream, Add	57.97	
23 33 13 16-0124 EA 48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	472.00	75.28
For Spring Activated Horizontal Mount Operation, Add	55.33	
For Dynamic Damper, Add	132.80	
For 3 Hour Rated, Add	73.78	
For Cap Of Damper Blades Outside Air Stream, Add	61.48	
23 33 13 16-0125 EA 52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	175.13	31.98
For Spring Activated Horizontal Mount Operation, Add	17.79	
For Dynamic Damper, Add	42.69	
For 3 Hour Rated, Add	23.72	
For Cap Of Damper Blades Outside Air Stream, Add	19.76	
23 33 13 16-0126 EA 52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	187.81	33.91
For Spring Activated Horizontal Mount Operation, Add	19.37	
For Dynamic Damper, Add	46.48	
For 3 Hour Rated, Add	25.82	
For Cap Of Damper Blades Outside Air Stream, Add	21.52	
23 33 13 16-0127 EA 52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	206.13	37.64
For Spring Activated Horizontal Mount Operation, Add	20.95	
For Dynamic Damper, Add	50.27	
For 3 Hour Rated, Add	27.93	
For Cap Of Damper Blades Outside Air Stream, Add	23.28	
23 33 13 16-0128 EA 52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	219.20	41.37
For Spring Activated Horizontal Mount Operation, Add	21.34	
For Dynamic Damper, Add	51.22	
For 3 Hour Rated, Add	28.46	
For Cap Of Damper Blades Outside Air Stream, Add	23.72	
23 33 13 16-0129 EA 52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	238.42	45.22
For Spring Activated Horizontal Mount Operation, Add	23.13	
For Dynamic Damper, Add	55.50	
For 3 Hour Rated, Add	30.83	
For Cap Of Damper Blades Outside Air Stream, Add	25.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0130 EA 52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	257.62	48.94
For Spring Activated Horizontal Mount Operation, Add	24.90	
For Dynamic Damper, Add	59.76	
For 3 Hour Rated, Add	33.20	
For Cap Of Damper Blades Outside Air Stream, Add	27.67	
23 33 13 16-0131 EA 52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	279.47	52.68
For Spring Activated Horizontal Mount Operation, Add	27.27	
For Dynamic Damper, Add	65.46	
For 3 Hour Rated, Add	36.37	
For Cap Of Damper Blades Outside Air Stream, Add	30.31	
23 33 13 16-0132 EA 52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	301.31	56.52
For Spring Activated Horizontal Mount Operation, Add	29.64	
For Dynamic Damper, Add	71.15	
For 3 Hour Rated, Add	39.53	
For Cap Of Damper Blades Outside Air Stream, Add	32.94	
23 33 13 16-0133 EA 52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	328.42	60.25
For Spring Activated Horizontal Mount Operation, Add	33.20	
For Dynamic Damper, Add	79.68	
For 3 Hour Rated, Add	44.27	
For Cap Of Damper Blades Outside Air Stream, Add	36.89	
23 33 13 16-0134 EA 52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	360.80	63.98
For Spring Activated Horizontal Mount Operation, Add	37.94	
For Dynamic Damper, Add	91.07	
For 3 Hour Rated, Add	50.59	
For Cap Of Damper Blades Outside Air Stream, Add	42.16	
23 33 13 16-0135 EA 52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	384.01	65.90
For Spring Activated Horizontal Mount Operation, Add	41.89	
For Dynamic Damper, Add	100.54	
For 3 Hour Rated, Add	55.86	
For Cap Of Damper Blades Outside Air Stream, Add	46.55	
23 33 13 16-0136 EA 52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	412.51	67.70
For Spring Activated Horizontal Mount Operation, Add	47.03	
For Dynamic Damper, Add	112.88	
For 3 Hour Rated, Add	62.71	
For Cap Of Damper Blades Outside Air Stream, Add	52.26	
23 33 13 16-0137 EA 52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	444.88	71.55
For Spring Activated Horizontal Mount Operation, Add	51.77	
For Dynamic Damper, Add	124.26	
For 3 Hour Rated, Add	69.03	
For Cap Of Damper Blades Outside Air Stream, Add	57.53	
23 33 13 16-0138 EA 52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	472.00	75.28
For Spring Activated Horizontal Mount Operation, Add	55.33	
For Dynamic Damper, Add	132.80	
For 3 Hour Rated, Add	73.78	
For Cap Of Damper Blades Outside Air Stream, Add	61.48	
23 33 13 16-0139 EA 52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	510.03	80.94
For Spring Activated Horizontal Mount Operation, Add	60.08	
For Dynamic Damper, Add	144.19	
For 3 Hour Rated, Add	80.10	
For Cap Of Damper Blades Outside Air Stream, Add	66.75	
23 33 13 16-0140 EA 52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	538.91	84.66
For Spring Activated Horizontal Mount Operation, Add	64.03	
For Dynamic Damper, Add	153.67	
For 3 Hour Rated, Add	85.37	
For Cap Of Damper Blades Outside Air Stream, Add	71.15	
23 33 13 16-0141 EA 56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	184.30	33.91
For Spring Activated Horizontal Mount Operation, Add	18.58	
For Dynamic Damper, Add	44.59	
For 3 Hour Rated, Add	24.77	
For Cap Of Damper Blades Outside Air Stream, Add	20.64	
23 33 13 16-0142 EA 56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	204.37	37.64
For Spring Activated Horizontal Mount Operation, Add	20.55	
For Dynamic Damper, Add	49.32	
For 3 Hour Rated, Add	27.40	
For Cap Of Damper Blades Outside Air Stream, Add	22.84	
23 33 13 16-0143 EA 56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	220.96	41.37
For Spring Activated Horizontal Mount Operation, Add	21.74	
For Dynamic Damper, Add	52.17	
For 3 Hour Rated, Add	28.99	
For Cap Of Damper Blades Outside Air Stream, Add	24.16	
23 33 13 16-0144 EA 56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	234.01	45.22
For Spring Activated Horizontal Mount Operation, Add	22.13	
For Dynamic Damper, Add	53.12	
For 3 Hour Rated, Add	29.51	
For Cap Of Damper Blades Outside Air Stream, Add	24.59	
23 33 13 16-0145 EA 56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	254.99	48.94
For Spring Activated Horizontal Mount Operation, Add	24.31	
For Dynamic Damper, Add	58.34	
For 3 Hour Rated, Add	32.41	
For Cap Of Damper Blades Outside Air Stream, Add	27.01	
23 33 13 16-0146 EA 56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	275.95	52.68
For Spring Activated Horizontal Mount Operation, Add	26.48	
For Dynamic Damper, Add	63.56	
For 3 Hour Rated, Add	35.31	
For Cap Of Damper Blades Outside Air Stream, Add	29.43	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0147	EA		56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	296.92	56.52
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	28.66	
			<i>For Dynamic Damper, Add</i>	68.77	
			<i>For 3 Hour Rated, Add</i>	38.21	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	31.84	
23 33 13 16-0148	EA		56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	317.88	60.25
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.83	
			<i>For Dynamic Damper, Add</i>	73.99	
			<i>For 3 Hour Rated, Add</i>	41.11	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	34.26	
23 33 13 16-0149	EA		56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	350.25	63.98
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	35.57	
			<i>For Dynamic Damper, Add</i>	85.37	
			<i>For 3 Hour Rated, Add</i>	47.43	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	39.52	
23 33 13 16-0150	EA		56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	377.00	65.90
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	40.32	
			<i>For Dynamic Damper, Add</i>	96.76	
			<i>For 3 Hour Rated, Add</i>	53.75	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	44.80	
23 33 13 16-0151	EA		56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	401.97	67.70
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	44.66	
			<i>For Dynamic Damper, Add</i>	107.19	
			<i>For 3 Hour Rated, Add</i>	59.55	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	49.63	
23 33 13 16-0152	EA		56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	437.87	71.55
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	50.20	
			<i>For Dynamic Damper, Add</i>	120.47	
			<i>For 3 Hour Rated, Add</i>	66.93	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	55.78	
23 33 13 16-0153	EA		56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	470.24	75.28
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	54.94	
			<i>For Dynamic Damper, Add</i>	131.85	
			<i>For 3 Hour Rated, Add</i>	73.25	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	61.04	
23 33 13 16-0154	EA		56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	504.38	79.01
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	60.08	
			<i>For Dynamic Damper, Add</i>	144.19	
			<i>For 3 Hour Rated, Add</i>	80.10	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	66.75	
23 33 13 16-0155	EA		56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	533.26	82.85
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	64.03	
			<i>For Dynamic Damper, Add</i>	153.67	
			<i>For 3 Hour Rated, Add</i>	85.37	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	71.15	
23 33 13 16-0156	EA		56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	567.39	86.59
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	69.17	
			<i>For Dynamic Damper, Add</i>	166.00	
			<i>For 3 Hour Rated, Add</i>	92.22	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	76.85	
23 33 13 16-0157	EA		56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	601.53	90.31
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	74.31	
			<i>For Dynamic Damper, Add</i>	178.34	
			<i>For 3 Hour Rated, Add</i>	99.08	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	82.56	
23 33 13 16-0158	EA		60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	200.87	37.64
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	19.76	
			<i>For Dynamic Damper, Add</i>	47.43	
			<i>For 3 Hour Rated, Add</i>	26.35	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	21.96	
23 33 13 16-0159	EA		60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	220.96	41.37
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	21.74	
			<i>For Dynamic Damper, Add</i>	52.17	
			<i>For 3 Hour Rated, Add</i>	28.99	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.16	
23 33 13 16-0160	EA		60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	235.77	45.22
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.53	
			<i>For Dynamic Damper, Add</i>	54.07	
			<i>For 3 Hour Rated, Add</i>	30.04	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	25.03	
23 33 13 16-0161	EA		60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	248.84	48.94
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.93	
			<i>For Dynamic Damper, Add</i>	55.02	
			<i>For 3 Hour Rated, Add</i>	30.57	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	25.47	
23 33 13 16-0162	EA		60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	270.68	52.68
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.30	
			<i>For Dynamic Damper, Add</i>	60.71	
			<i>For 3 Hour Rated, Add</i>	33.73	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	28.11	
23 33 13 16-0163	EA		60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	292.53	56.52
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.67	
			<i>For Dynamic Damper, Add</i>	66.40	
			<i>For 3 Hour Rated, Add</i>	36.89	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.74	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0164 EA 60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	315.24	60.25
<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.24	
<i>For Dynamic Damper, Add</i>	72.57	
<i>For 3 Hour Rated, Add</i>	40.31	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	33.60	
23 33 13 16-0165 EA 60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	337.96	63.98
<i>For Spring Activated Horizontal Mount Operation, Add</i>	32.81	
<i>For Dynamic Damper, Add</i>	78.73	
<i>For 3 Hour Rated, Add</i>	43.74	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	36.45	
23 33 13 16-0166 EA 60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	366.46	65.90
<i>For Spring Activated Horizontal Mount Operation, Add</i>	37.94	
<i>For Dynamic Damper, Add</i>	91.07	
<i>For 3 Hour Rated, Add</i>	50.59	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	42.16	
23 33 13 16-0167 EA 60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	393.18	67.70
<i>For Spring Activated Horizontal Mount Operation, Add</i>	42.68	
<i>For Dynamic Damper, Add</i>	102.44	
<i>For 3 Hour Rated, Add</i>	56.91	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	47.43	
23 33 13 16-0168 EA 60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	427.33	71.55
<i>For Spring Activated Horizontal Mount Operation, Add</i>	47.83	
<i>For Dynamic Damper, Add</i>	114.78	
<i>For 3 Hour Rated, Add</i>	63.77	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	53.14	
23 33 13 16-0169 EA 60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	461.47	75.28
<i>For Spring Activated Horizontal Mount Operation, Add</i>	52.97	
<i>For Dynamic Damper, Add</i>	127.12	
<i>For 3 Hour Rated, Add</i>	70.62	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	58.85	
23 33 13 16-0170 EA 60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	490.33	79.01
<i>For Spring Activated Horizontal Mount Operation, Add</i>	56.92	
<i>For Dynamic Damper, Add</i>	136.60	
<i>For 3 Hour Rated, Add</i>	75.89	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	63.24	
23 33 13 16-0171 EA 60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	529.74	82.85
<i>For Spring Activated Horizontal Mount Operation, Add</i>	63.24	
<i>For Dynamic Damper, Add</i>	151.77	
<i>For 3 Hour Rated, Add</i>	84.32	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	70.27	
23 33 13 16-0172 EA 60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	565.63	86.59
<i>For Spring Activated Horizontal Mount Operation, Add</i>	68.77	
<i>For Dynamic Damper, Add</i>	165.05	
<i>For 3 Hour Rated, Add</i>	91.70	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	76.41	
23 33 13 16-0173 EA 60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	601.53	90.31
<i>For Spring Activated Horizontal Mount Operation, Add</i>	74.31	
<i>For Dynamic Damper, Add</i>	178.34	
<i>For 3 Hour Rated, Add</i>	99.08	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	82.56	
23 33 13 16-0174 EA 60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	633.90	94.16
<i>For Spring Activated Horizontal Mount Operation, Add</i>	79.04	
<i>For Dynamic Damper, Add</i>	189.71	
<i>For 3 Hour Rated, Add</i>	105.39	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	87.83	
23 33 13 16-0175 EA 60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	666.31	97.89
<i>For Spring Activated Horizontal Mount Operation, Add</i>	83.79	
<i>For Dynamic Damper, Add</i>	201.11	
<i>For 3 Hour Rated, Add</i>	111.73	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	93.11	
<b>23 33 13 16-0176 Parallel Blade Louver Fire Damper</b> <small>(23 33 13 16)</small>		
Note: UL listed. 22 gauge galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.		
23 33 13 16-0177 EA 6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	88.54	12.55
<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.45	
<i>For Dynamic Damper, Add</i>	27.49	
<i>For 3 Hour Rated, Add</i>	15.27	
23 33 13 16-0178 EA 8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	92.41	13.11
<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.94	
<i>For Dynamic Damper, Add</i>	28.66	
<i>For 3 Hour Rated, Add</i>	15.92	
23 33 13 16-0179 EA 8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	94.85	13.22
<i>For Spring Activated Horizontal Mount Operation, Add</i>	12.44	
<i>For Dynamic Damper, Add</i>	29.85	
<i>For 3 Hour Rated, Add</i>	16.58	
23 33 13 16-0180 EA 10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	94.85	13.22
<i>For Spring Activated Horizontal Mount Operation, Add</i>	12.44	
<i>For Dynamic Damper, Add</i>	29.85	
<i>For 3 Hour Rated, Add</i>	16.58	
23 33 13 16-0181 EA 10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	98.18	13.57
<i>For Spring Activated Horizontal Mount Operation, Add</i>	12.93	
<i>For Dynamic Damper, Add</i>	31.04	
<i>For 3 Hour Rated, Add</i>	17.24	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0182	EA		10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	107.08	15.04
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.92	
			<i>For Dynamic Damper, Add</i>	33.40	
			<i>For 3 Hour Rated, Add</i>	18.56	
23 33 13 16-0183	EA		12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	98.18	13.57
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	12.93	
			<i>For Dynamic Damper, Add</i>	31.04	
			<i>For 3 Hour Rated, Add</i>	17.24	
23 33 13 16-0184	EA		12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	104.81	14.35
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.92	
			<i>For Dynamic Damper, Add</i>	33.40	
			<i>For 3 Hour Rated, Add</i>	18.56	
23 33 13 16-0185	EA		12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	109.28	15.04
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.41	
			<i>For Dynamic Damper, Add</i>	34.59	
			<i>For 3 Hour Rated, Add</i>	19.22	
23 33 13 16-0186	EA		12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	117.13	16.96
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.91	
			<i>For Dynamic Damper, Add</i>	35.78	
			<i>For 3 Hour Rated, Add</i>	19.88	
23 33 13 16-0187	EA		14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	103.72	14.35
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.67	
			<i>For Dynamic Damper, Add</i>	32.82	
			<i>For 3 Hour Rated, Add</i>	18.23	
23 33 13 16-0188	EA		14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	109.28	15.04
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.41	
			<i>For Dynamic Damper, Add</i>	34.59	
			<i>For 3 Hour Rated, Add</i>	19.22	
23 33 13 16-0189	EA		14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	113.73	15.82
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.91	
			<i>For Dynamic Damper, Add</i>	35.78	
			<i>For 3 Hour Rated, Add</i>	19.88	
23 33 13 16-0190	EA		14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	119.32	16.96
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.40	
			<i>For Dynamic Damper, Add</i>	36.96	
			<i>For 3 Hour Rated, Add</i>	20.54	
23 33 13 16-0191	EA		14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	130.47	18.87
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.64	
			<i>For Dynamic Damper, Add</i>	39.93	
			<i>For 3 Hour Rated, Add</i>	22.19	
23 33 13 16-0192	EA		16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	134.70	15.04
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.13	
			<i>For Dynamic Damper, Add</i>	48.32	
			<i>For 3 Hour Rated, Add</i>	26.84	
23 33 13 16-0193	EA		16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	140.54	16.16
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.69	
			<i>For Dynamic Damper, Add</i>	49.65	
			<i>For 3 Hour Rated, Add</i>	27.58	
23 33 13 16-0194	EA		16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	147.53	17.74
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	21.24	
			<i>For Dynamic Damper, Add</i>	50.98	
			<i>For 3 Hour Rated, Add</i>	28.32	
23 33 13 16-0195	EA		16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	153.37	18.87
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	21.79	
			<i>For Dynamic Damper, Add</i>	52.30	
			<i>For 3 Hour Rated, Add</i>	29.06	
23 33 13 16-0196	EA		16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	165.19	20.68
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	23.18	
			<i>For Dynamic Damper, Add</i>	55.63	
			<i>For 3 Hour Rated, Add</i>	30.91	
23 33 13 16-0197	EA		16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	177.00	22.61
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.56	
			<i>For Dynamic Damper, Add</i>	58.95	
			<i>For 3 Hour Rated, Add</i>	32.75	
23 33 13 16-0198	EA		18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	139.41	15.82
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.69	
			<i>For Dynamic Damper, Add</i>	49.65	
			<i>For 3 Hour Rated, Add</i>	27.58	
23 33 13 16-0199	EA		18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	146.50	16.96
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	21.52	
			<i>For Dynamic Damper, Add</i>	51.64	
			<i>For 3 Hour Rated, Add</i>	28.69	
23 33 13 16-0200	EA		18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	155.86	18.87
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.35	
			<i>For Dynamic Damper, Add</i>	53.64	
			<i>For 3 Hour Rated, Add</i>	29.80	
23 33 13 16-0201	EA		18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	167.65	20.68
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	23.73	
			<i>For Dynamic Damper, Add</i>	56.96	
			<i>For 3 Hour Rated, Add</i>	31.64	
23 33 13 16-0202	EA		18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	178.22	22.61
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.84	
			<i>For Dynamic Damper, Add</i>	59.61	
			<i>For 3 Hour Rated, Add</i>	33.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0203 EA 18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	190.01	24.41
For Spring Activated Horizontal Mount Operation, Add	26.22	
For Dynamic Damper, Add	62.93	
For 3 Hour Rated, Add	34.96	
23 33 13 16-0204 EA 18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	199.35	26.33
For Spring Activated Horizontal Mount Operation, Add	27.05	
For Dynamic Damper, Add	64.92	
For 3 Hour Rated, Add	36.07	
23 33 13 16-0205 EA 20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	145.28	16.96
For Spring Activated Horizontal Mount Operation, Add	21.24	
For Dynamic Damper, Add	50.98	
For 3 Hour Rated, Add	28.32	
23 33 13 16-0206 EA 20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.83	18.87
For Spring Activated Horizontal Mount Operation, Add	22.34	
For Dynamic Damper, Add	53.63	
For 3 Hour Rated, Add	29.79	
23 33 13 16-0207 EA 20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	166.41	20.68
For Spring Activated Horizontal Mount Operation, Add	23.45	
For Dynamic Damper, Add	56.29	
For 3 Hour Rated, Add	31.27	
23 33 13 16-0208 EA 20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	181.93	22.61
For Spring Activated Horizontal Mount Operation, Add	25.67	
For Dynamic Damper, Add	61.61	
For 3 Hour Rated, Add	34.23	
23 33 13 16-0209 EA 20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	191.25	24.41
For Spring Activated Horizontal Mount Operation, Add	26.50	
For Dynamic Damper, Add	63.60	
For 3 Hour Rated, Add	35.33	
23 33 13 16-0210 EA 20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	200.58	26.33
For Spring Activated Horizontal Mount Operation, Add	27.33	
For Dynamic Damper, Add	65.59	
For 3 Hour Rated, Add	36.44	
23 33 13 16-0211 EA 20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	211.15	28.26
For Spring Activated Horizontal Mount Operation, Add	28.44	
For Dynamic Damper, Add	68.25	
For 3 Hour Rated, Add	37.91	
23 33 13 16-0212 EA 20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	221.70	30.07
For Spring Activated Horizontal Mount Operation, Add	29.54	
For Dynamic Damper, Add	70.89	
For 3 Hour Rated, Add	39.38	
23 33 13 16-0213 EA 24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	178.45	18.87
For Spring Activated Horizontal Mount Operation, Add	27.43	
For Dynamic Damper, Add	65.84	
For 3 Hour Rated, Add	36.58	
23 33 13 16-0214 EA 24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	191.49	20.68
For Spring Activated Horizontal Mount Operation, Add	29.10	
For Dynamic Damper, Add	69.83	
For 3 Hour Rated, Add	38.80	
23 33 13 16-0215 EA 24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	202.08	22.61
For Spring Activated Horizontal Mount Operation, Add	30.21	
For Dynamic Damper, Add	72.50	
For 3 Hour Rated, Add	40.28	
23 33 13 16-0216 EA 24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	215.08	24.41
For Spring Activated Horizontal Mount Operation, Add	31.86	
For Dynamic Damper, Add	76.47	
For 3 Hour Rated, Add	42.48	
23 33 13 16-0217 EA 24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	224.42	26.33
For Spring Activated Horizontal Mount Operation, Add	32.69	
For Dynamic Damper, Add	78.46	
For 3 Hour Rated, Add	43.59	
23 33 13 16-0218 EA 24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	233.76	28.26
For Spring Activated Horizontal Mount Operation, Add	33.52	
For Dynamic Damper, Add	80.45	
For 3 Hour Rated, Add	44.70	
23 33 13 16-0219 EA 24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	246.78	30.07
For Spring Activated Horizontal Mount Operation, Add	35.18	
For Dynamic Damper, Add	84.43	
For 3 Hour Rated, Add	46.91	
23 33 13 16-0220 EA 24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	265.46	33.91
For Spring Activated Horizontal Mount Operation, Add	36.84	
For Dynamic Damper, Add	88.41	
For 3 Hour Rated, Add	49.12	
23 33 13 16-0221 EA 24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	286.61	37.64
For Spring Activated Horizontal Mount Operation, Add	39.06	
For Dynamic Damper, Add	93.73	
For 3 Hour Rated, Add	52.07	
23 33 13 16-0222 EA 28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	191.49	20.68
For Spring Activated Horizontal Mount Operation, Add	29.10	
For Dynamic Damper, Add	69.83	
For 3 Hour Rated, Add	38.80	
23 33 13 16-0223 EA 28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	202.08	22.61
For Spring Activated Horizontal Mount Operation, Add	30.21	
For Dynamic Damper, Add	72.50	
For 3 Hour Rated, Add	40.28	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0224	EA		28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	215.08	24.41
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	31.86	
			<i>For Dynamic Damper, Add</i>	76.47	
			<i>For 3 Hour Rated, Add</i>	42.48	
23 33 13 16-0225	EA		28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	225.65	26.33
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	32.97	
			<i>For Dynamic Damper, Add</i>	79.13	
			<i>For 3 Hour Rated, Add</i>	43.96	
23 33 13 16-0226	EA		28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	237.45	28.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	34.35	
			<i>For Dynamic Damper, Add</i>	82.45	
			<i>For 3 Hour Rated, Add</i>	45.80	
23 33 13 16-0227	EA		28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	249.22	30.07
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	35.73	
			<i>For Dynamic Damper, Add</i>	85.75	
			<i>For 3 Hour Rated, Add</i>	47.64	
23 33 13 16-0228	EA		28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	267.92	33.91
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	37.39	
			<i>For Dynamic Damper, Add</i>	89.74	
			<i>For 3 Hour Rated, Add</i>	49.86	
23 33 13 16-0229	EA		28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	286.61	37.64
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	39.06	
			<i>For Dynamic Damper, Add</i>	93.73	
			<i>For 3 Hour Rated, Add</i>	52.07	
23 33 13 16-0230	EA		28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	307.02	39.57
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	42.37	
			<i>For Dynamic Damper, Add</i>	101.70	
			<i>For 3 Hour Rated, Add</i>	56.50	
23 33 13 16-0231	EA		28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	330.63	43.29
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	45.14	
			<i>For Dynamic Damper, Add</i>	108.35	
			<i>For 3 Hour Rated, Add</i>	60.19	
23 33 13 16-0232	EA		32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	209.44	22.61
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	31.86	
			<i>For Dynamic Damper, Add</i>	76.47	
			<i>For 3 Hour Rated, Add</i>	42.48	
23 33 13 16-0233	EA		32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	217.53	24.41
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	32.41	
			<i>For Dynamic Damper, Add</i>	77.79	
			<i>For 3 Hour Rated, Add</i>	43.22	
23 33 13 16-0234	EA		32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	225.65	26.33
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	32.97	
			<i>For Dynamic Damper, Add</i>	79.13	
			<i>For 3 Hour Rated, Add</i>	43.96	
23 33 13 16-0235	EA		32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	236.20	28.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	34.07	
			<i>For Dynamic Damper, Add</i>	81.77	
			<i>For 3 Hour Rated, Add</i>	45.43	
23 33 13 16-0236	EA		32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	249.70	30.07
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	35.84	
			<i>For Dynamic Damper, Add</i>	86.01	
			<i>For 3 Hour Rated, Add</i>	47.78	
23 33 13 16-0237	EA		32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	267.92	33.91
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	37.39	
			<i>For Dynamic Damper, Add</i>	89.74	
			<i>For 3 Hour Rated, Add</i>	49.86	
23 33 13 16-0238	EA		32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	289.08	37.64
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	39.61	
			<i>For Dynamic Damper, Add</i>	95.07	
			<i>For 3 Hour Rated, Add</i>	52.82	
23 33 13 16-0239	EA		32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	310.23	41.37
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	41.83	
			<i>For Dynamic Damper, Add</i>	100.38	
			<i>For 3 Hour Rated, Add</i>	55.77	
23 33 13 16-0240	EA		32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	330.63	43.29
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	45.14	
			<i>For Dynamic Damper, Add</i>	108.35	
			<i>For 3 Hour Rated, Add</i>	60.19	
23 33 13 16-0241	EA		32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	356.89	46.34
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	49.02	
			<i>For Dynamic Damper, Add</i>	117.64	
			<i>For 3 Hour Rated, Add</i>	65.36	
23 33 13 16-0242	EA		32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	384.47	48.94
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	53.44	
			<i>For Dynamic Damper, Add</i>	128.26	
			<i>For 3 Hour Rated, Add</i>	71.26	
23 33 13 16-0243	EA		36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	235.11	24.41
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	36.37	
			<i>For Dynamic Damper, Add</i>	87.29	
			<i>For 3 Hour Rated, Add</i>	48.49	
23 33 13 16-0244	EA		36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	246.36	26.33
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	37.63	
			<i>For Dynamic Damper, Add</i>	90.31	
			<i>For 3 Hour Rated, Add</i>	50.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0245 EA 36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	257.63 38.89 93.34 51.86	28.26
23 33 13 16-0246 EA 36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	271.73 40.79 97.91 54.39	30.07
23 33 13 16-0247 EA 36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	287.27 41.75 100.19 55.66	33.91
23 33 13 16-0248 EA 36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	297.13 42.69 102.47 56.93	35.72
23 33 13 16-0249 EA 36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	328.15 45.86 110.06 61.14	41.37
23 33 13 16-0250 EA 36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	353.48 49.01 117.63 65.35	45.22
23 33 13 16-0251 EA 36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	374.87 52.81 126.74 70.41	46.69
23 33 13 16-0252 EA 36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	407.52 57.87 138.88 77.16	50.07
23 33 13 16-0253 EA 36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	435.10 62.29 149.50 83.06	52.68
23 33 13 16-0254 EA 36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	463.24 67.35 161.64 89.80	54.59
23 33 13 16-0255 EA 40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	263.70 41.53 99.67 55.37	28.26
23 33 13 16-0256 EA 40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	280.60 44.06 105.75 58.75	30.07
23 33 13 16-0257 EA 40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	289.05 44.69 107.26 59.59	31.98
23 33 13 16-0258 EA 40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	297.53 45.33 108.78 60.44	33.91
23 33 13 16-0259 EA 40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	318.68 47.54 114.10 63.39	35.72
23 33 13 16-0260 EA 40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	334.16 49.75 119.41 66.34	37.64
23 33 13 16-0261 EA 40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	362.37 52.29 125.49 69.71	43.29
23 33 13 16-0262 EA 40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	384.91 54.81 131.55 73.09	47.02
23 33 13 16-0263 EA 40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	410.82 58.61 140.66 78.15	50.07
23 33 13 16-0264 EA 40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	449.65 65.57 157.36 87.42	52.68
23 33 13 16-0265 EA 40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	475.54 69.36 166.46 92.48	55.73

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0266	EA		40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	510.99	57.20
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	76.32	
			<i>For Dynamic Damper, Add</i>	183.16	
			<i>For 3 Hour Rated, Add</i>	101.75	
23 33 13 16-0267	EA		40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	548.15	60.25
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	82.64	
			<i>For Dynamic Damper, Add</i>	198.34	
			<i>For 3 Hour Rated, Add</i>	110.19	
23 33 13 16-0268	EA		44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	274.98	28.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	42.80	
			<i>For Dynamic Damper, Add</i>	102.71	
			<i>For 3 Hour Rated, Add</i>	57.06	
23 33 13 16-0269	EA		44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	291.87	30.07
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	45.33	
			<i>For Dynamic Damper, Add</i>	108.78	
			<i>For 3 Hour Rated, Add</i>	60.44	
23 33 13 16-0270	EA		44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	305.98	31.98
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	47.23	
			<i>For Dynamic Damper, Add</i>	113.35	
			<i>For 3 Hour Rated, Add</i>	62.97	
23 33 13 16-0271	EA		44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	314.44	33.91
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	47.86	
			<i>For Dynamic Damper, Add</i>	114.86	
			<i>For 3 Hour Rated, Add</i>	63.81	
23 33 13 16-0272	EA		44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	331.34	35.72
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	50.39	
			<i>For Dynamic Damper, Add</i>	120.94	
			<i>For 3 Hour Rated, Add</i>	67.19	
23 33 13 16-0273	EA		44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	348.23	37.64
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	52.92	
			<i>For Dynamic Damper, Add</i>	127.01	
			<i>For 3 Hour Rated, Add</i>	70.56	
23 33 13 16-0274	EA		44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	384.89	45.22
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	56.08	
			<i>For Dynamic Damper, Add</i>	134.60	
			<i>For 3 Hour Rated, Add</i>	74.78	
23 33 13 16-0275	EA		44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	410.24	48.94
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	59.24	
			<i>For Dynamic Damper, Add</i>	142.18	
			<i>For 3 Hour Rated, Add</i>	78.99	
23 33 13 16-0276	EA		44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	449.65	52.68
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	65.57	
			<i>For Dynamic Damper, Add</i>	157.36	
			<i>For 3 Hour Rated, Add</i>	87.42	
23 33 13 16-0277	EA		44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	486.26	56.52
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	71.26	
			<i>For Dynamic Damper, Add</i>	171.02	
			<i>For 3 Hour Rated, Add</i>	95.01	
23 33 13 16-0278	EA		44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	525.64	60.25
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	77.58	
			<i>For Dynamic Damper, Add</i>	186.18	
			<i>For 3 Hour Rated, Add</i>	103.43	
23 33 13 16-0279	EA		44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	556.59	62.05
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	83.27	
			<i>For Dynamic Damper, Add</i>	199.84	
			<i>For 3 Hour Rated, Add</i>	111.02	
23 33 13 16-0280	EA		44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	587.55	63.98
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	88.96	
			<i>For Dynamic Damper, Add</i>	213.51	
			<i>For 3 Hour Rated, Add</i>	118.62	
23 33 13 16-0281	EA		44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	618.51	65.90
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	94.66	
			<i>For Dynamic Damper, Add</i>	227.17	
			<i>For 3 Hour Rated, Add</i>	126.21	
23 33 13 16-0282	EA		48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	289.05	30.07
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	44.69	
			<i>For Dynamic Damper, Add</i>	107.26	
			<i>For 3 Hour Rated, Add</i>	59.59	
23 33 13 16-0283	EA		48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	305.98	31.98
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	47.23	
			<i>For Dynamic Damper, Add</i>	113.35	
			<i>For 3 Hour Rated, Add</i>	62.97	
23 33 13 16-0284	EA		48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	314.44	33.91
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	47.86	
			<i>For Dynamic Damper, Add</i>	114.86	
			<i>For 3 Hour Rated, Add</i>	63.81	
23 33 13 16-0285	EA		48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	334.16	37.64
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	49.75	
			<i>For Dynamic Damper, Add</i>	119.41	
			<i>For 3 Hour Rated, Add</i>	66.34	
23 33 13 16-0286	EA		48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	356.72	41.37
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	52.29	
			<i>For Dynamic Damper, Add</i>	125.49	
			<i>For 3 Hour Rated, Add</i>	69.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0287 EA 48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	379.26 54.81 131.55 73.09	45.22
23 33 13 16-0288 EA 48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	407.44 58.61 140.66 78.15	48.94
23 33 13 16-0289 EA 48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	435.59 62.40 149.76 83.20	52.68
23 33 13 16-0290 EA 48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	472.21 68.10 163.43 90.80	56.52
23 33 13 16-0291 EA 48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	514.40 75.05 180.11 100.06	60.25
23 33 13 16-0292 EA 48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	545.37 80.74 193.78 107.66	62.05
23 33 13 16-0293 EA 48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	584.73 88.33 211.99 117.77	63.98
23 33 13 16-0294 EA 48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	621.36 94.03 225.66 125.37	67.70
23 33 13 16-0295 EA 48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	660.72 101.61 243.86 135.48	69.63
23 33 13 16-0296 EA 48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	700.16 106.67 256.01 142.23	75.28
23 33 13 16-0297 EA 52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	303.16 46.59 111.82 62.12	31.98
23 33 13 16-0298 EA 52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	320.06 49.12 117.90 65.50	33.91
23 33 13 16-0299 EA 52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	342.60 51.65 123.97 68.87	37.64
23 33 13 16-0300 EA 52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	356.72 52.29 125.49 69.71	41.37
23 33 13 16-0301 EA 52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	380.68 55.13 132.32 73.51	45.22
23 33 13 16-0302 EA 52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	404.62 57.98 139.14 77.30	48.94
23 33 13 16-0303 EA 52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	432.79 61.77 148.25 82.36	52.68
23 33 13 16-0304 EA 52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	460.96 65.57 157.36 87.42	56.52
23 33 13 16-0305 EA 52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	497.56 71.26 171.02 95.01	60.25
23 33 13 16-0306 EA 52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	542.57 78.84 189.22 105.12	63.98
23 33 13 16-0307 EA 52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	576.34 85.17 204.40 113.56	65.90

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0308	EA		52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	618.54	67.70
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	93.39	
			<i>For Dynamic Damper, Add</i>	224.14	
			<i>For 3 Hour Rated, Add</i>	124.52	
23 33 13 16-0309	EA		52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	663.54	71.55
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	100.97	
			<i>For Dynamic Damper, Add</i>	242.34	
			<i>For 3 Hour Rated, Add</i>	134.63	
23 33 13 16-0310	EA		52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	700.16	75.28
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	106.67	
			<i>For Dynamic Damper, Add</i>	256.01	
			<i>For 3 Hour Rated, Add</i>	142.23	
23 33 13 16-0311	EA		52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	750.83	80.94
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	114.26	
			<i>For Dynamic Damper, Add</i>	274.22	
			<i>For 3 Hour Rated, Add</i>	152.34	
23 33 13 16-0312	EA		52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	790.25	84.66
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	120.58	
			<i>For Dynamic Damper, Add</i>	289.40	
			<i>For 3 Hour Rated, Add</i>	160.78	
23 33 13 16-0313	EA		56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	314.44	33.91
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	47.86	
			<i>For Dynamic Damper, Add</i>	114.86	
			<i>For 3 Hour Rated, Add</i>	63.81	
23 33 13 16-0314	EA		56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	339.78	37.64
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	51.02	
			<i>For Dynamic Damper, Add</i>	122.45	
			<i>For 3 Hour Rated, Add</i>	68.03	
23 33 13 16-0315	EA		56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	359.54	41.37
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	52.92	
			<i>For Dynamic Damper, Add</i>	127.01	
			<i>For 3 Hour Rated, Add</i>	70.56	
23 33 13 16-0316	EA		56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	373.63	45.22
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	53.55	
			<i>For Dynamic Damper, Add</i>	128.51	
			<i>For 3 Hour Rated, Add</i>	71.40	
23 33 13 16-0317	EA		56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	400.42	48.94
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	57.03	
			<i>For Dynamic Damper, Add</i>	136.87	
			<i>For 3 Hour Rated, Add</i>	76.04	
23 33 13 16-0318	EA		56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	427.17	52.68
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	60.51	
			<i>For Dynamic Damper, Add</i>	145.22	
			<i>For 3 Hour Rated, Add</i>	80.68	
23 33 13 16-0319	EA		56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	453.94	56.52
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	63.99	
			<i>For Dynamic Damper, Add</i>	153.57	
			<i>For 3 Hour Rated, Add</i>	85.31	
23 33 13 16-0320	EA		56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	480.68	60.25
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	67.46	
			<i>For Dynamic Damper, Add</i>	161.90	
			<i>For 3 Hour Rated, Add</i>	89.95	
23 33 13 16-0321	EA		56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	525.70	63.98
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	75.05	
			<i>For Dynamic Damper, Add</i>	180.11	
			<i>For 3 Hour Rated, Add</i>	100.06	
23 33 13 16-0322	EA		56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	565.11	65.90
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	82.64	
			<i>For Dynamic Damper, Add</i>	198.34	
			<i>For 3 Hour Rated, Add</i>	110.19	
23 33 13 16-0323	EA		56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	601.66	67.70
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	89.59	
			<i>For Dynamic Damper, Add</i>	215.02	
			<i>For 3 Hour Rated, Add</i>	119.46	
23 33 13 16-0324	EA		56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	652.32	71.55
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	98.45	
			<i>For Dynamic Damper, Add</i>	236.28	
			<i>For 3 Hour Rated, Add</i>	131.27	
23 33 13 16-0325	EA		56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	697.34	75.28
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	106.04	
			<i>For Dynamic Damper, Add</i>	254.49	
			<i>For 3 Hour Rated, Add</i>	141.38	
23 33 13 16-0326	EA		56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	745.18	79.01
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	114.26	
			<i>For Dynamic Damper, Add</i>	274.22	
			<i>For 3 Hour Rated, Add</i>	152.34	
23 33 13 16-0327	EA		56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	784.60	82.85
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	120.58	
			<i>For Dynamic Damper, Add</i>	289.40	
			<i>For 3 Hour Rated, Add</i>	160.78	
23 33 13 16-0328	EA		56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	832.44	86.59
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	128.80	
			<i>For Dynamic Damper, Add</i>	309.13	
			<i>For 3 Hour Rated, Add</i>	171.74	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0329 EA 56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	880.28 137.03 328.86 182.70	90.31
23 33 13 16-0330 EA 60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	334.16 49.75 119.41 66.34	37.64
23 33 13 16-0331 EA 60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	359.54 52.92 127.01 70.56	41.37
23 33 13 16-0332 EA 60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	376.44 54.18 130.03 72.24	45.22
23 33 13 16-0333 EA 60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	390.57 54.81 131.55 73.09	48.94
23 33 13 16-0334 EA 60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	418.74 58.61 140.66 78.15	52.68
23 33 13 16-0335 EA 60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	446.90 62.40 149.76 83.20	56.52
23 33 13 16-0336 EA 60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	476.47 66.51 159.63 88.68	60.25
23 33 13 16-0337 EA 60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	506.04 70.62 169.50 94.16	63.98
23 33 13 16-0338 EA 60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	548.23 78.84 189.22 105.12	65.90
23 33 13 16-0339 EA 60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	587.61 86.43 207.44 115.24	67.70
23 33 13 16-0340 EA 60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	635.46 94.66 227.17 126.21	71.55
23 33 13 16-0341 EA 60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	683.30 102.88 246.90 137.17	75.28
23 33 13 16-0342 EA 60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	722.70 109.20 262.08 145.60	79.01
23 33 13 16-0343 EA 60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	778.97 119.32 286.36 159.09	82.85
23 33 13 16-0344 EA 60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	829.62 128.17 307.61 170.89	86.59
23 33 13 16-0345 EA 60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	880.28 137.03 328.86 182.70	90.31
23 33 13 16-0346 EA 60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	925.29 144.61 347.06 192.81	94.16
23 33 13 16-0347 EA 60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	970.35 152.20 365.29 202.94	97.89
<b>23 33 13 16-0348 Round 2 Hour Fire Damper</b> <small>(23 33 13 16)</small>		
23 33 13 16-0349 EA 4" Round 2 Hour Fire Damper	112.89	22.61
23 33 13 16-0350 EA 5" Round 2 Hour Fire Damper	117.73	22.61
23 33 13 16-0351 EA 6" Round 2 Hour Fire Damper	138.43	25.66
23 33 13 16-0352 EA 7" Round 2 Hour Fire Damper	143.69	25.66
23 33 13 16-0353 EA 8" Round 2 Hour Fire Damper	172.56	28.26
23 33 13 16-0354 EA 9" Round 2 Hour Fire Damper	187.05	28.26

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0355	EA		10" Round 2 Hour Fire Damper .....	207.87	31.42
23 33 13 16-0356	EA		12" Round 2 Hour Fire Damper .....	233.49	35.38
23 33 13 16-0357	EA		14" Round 2 Hour Fire Damper .....	265.36	40.35
<b>23 33 13 16-0358</b>			<b>Round 4 Hour Fire Damper (23 33 13 16)</b>		
23 33 13 16-0359	EA		4" Round 4 Hour Fire Damper .....	127.17	25.66
23 33 13 16-0360	EA		5" Round 4 Hour Fire Damper .....	140.37	25.66
23 33 13 16-0361	EA		6" Round 4 Hour Fire Damper .....	158.89	28.26
23 33 13 16-0362	EA		7" Round 4 Hour Fire Damper .....	175.93	28.26
23 33 13 16-0363	EA		8" Round 4 Hour Fire Damper .....	199.28	31.42
23 33 13 16-0364	EA		9" Round 4 Hour Fire Damper .....	209.67	31.42
23 33 13 16-0365	EA		10" Round 4 Hour Fire Damper .....	233.81	35.38
23 33 13 16-0366	EA		12" Round 4 Hour Fire Damper .....	258.76	40.35
23 33 13 16-0367	EA		14" Round 4 Hour Fire Damper .....	301.90	47.14
<b>23 33 13 19</b>			<b>Smoke-Control Dampers (23 33 13)</b>		
<b>23 33 13 19-0001</b>			<b>Combination Smoke/Fire Damper (23 33 13 19)</b>		
			Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0002	EA		6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	511.06	18.82
			For Dynamic Damper, Add	245.48	
			For 3 Hour Rated, Add	136.38	
23 33 13 19-0003	EA		8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	524.68	19.67
			For Dynamic Damper, Add	251.47	
			For 3 Hour Rated, Add	139.70	
23 33 13 19-0004	EA		8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	536.27	19.84
			For Dynamic Damper, Add	257.54	
			For 3 Hour Rated, Add	143.08	
23 33 13 19-0005	EA		10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	605.35	19.84
			For Dynamic Damper, Add	294.84	
			For 3 Hour Rated, Add	163.80	
23 33 13 19-0006	EA		10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	619.82	20.34
			For Dynamic Damper, Add	301.74	
			For 3 Hour Rated, Add	167.63	
23 33 13 19-0007	EA		10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	652.27	22.55
			For Dynamic Damper, Add	315.60	
			For 3 Hour Rated, Add	175.33	
23 33 13 19-0008	EA		12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	619.82	20.34
			For Dynamic Damper, Add	301.74	
			For 3 Hour Rated, Add	167.63	
23 33 13 19-0009	EA		12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	648.87	21.53
			For Dynamic Damper, Add	315.60	
			For 3 Hour Rated, Add	175.33	
23 33 13 19-0010	EA		12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	665.05	22.55
			For Dynamic Damper, Add	322.50	
			For 3 Hour Rated, Add	179.17	
23 33 13 19-0011	EA		12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	686.38	25.43
			For Dynamic Damper, Add	329.45	
			For 3 Hour Rated, Add	183.03	
23 33 13 19-0012	EA		14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	642.47	21.53
			For Dynamic Damper, Add	312.14	
			For 3 Hour Rated, Add	173.41	
23 33 13 19-0013	EA		14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	665.05	22.55
			For Dynamic Damper, Add	322.50	
			For 3 Hour Rated, Add	179.17	
23 33 13 19-0014	EA		14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	681.30	23.74
			For Dynamic Damper, Add	329.45	
			For 3 Hour Rated, Add	183.03	
23 33 13 19-0015	EA		14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	699.25	25.43
			For Dynamic Damper, Add	336.40	
			For 3 Hour Rated, Add	186.89	
23 33 13 19-0016	EA		14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	739.78	28.32
			For Dynamic Damper, Add	353.71	
			For 3 Hour Rated, Add	196.50	
23 33 13 19-0017	EA		16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	648.44	22.55
			For Dynamic Damper, Add	313.53	
			For 3 Hour Rated, Add	174.18	
23 33 13 19-0018	EA		16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	660.53	24.25
			For Dynamic Damper, Add	317.31	
			For 3 Hour Rated, Add	176.29	
23 33 13 19-0019	EA		16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	674.32	26.62
			For Dynamic Damper, Add	321.10	
			For 3 Hour Rated, Add	178.39	
23 33 13 19-0020	EA		16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	686.32	28.32
			For Dynamic Damper, Add	324.84	
			For 3 Hour Rated, Add	180.47	
23 33 13 19-0021	EA		16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	712.30	31.03
			For Dynamic Damper, Add	334.29	
			For 3 Hour Rated, Add	185.72	
23 33 13 19-0022	EA		16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	738.24	33.91
			For Dynamic Damper, Add	343.72	
			For 3 Hour Rated, Add	190.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0023 EA 18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	658.83 317.31 176.29	23.74
23 33 13 19-0024 EA 18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	674.36 322.96 179.42	25.43
23 33 13 19-0025 EA 18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	693.38 328.65 182.58	28.32
23 33 13 19-0026 EA 18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	719.31 338.07 187.82	31.03
23 33 13 19-0027 EA 18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	741.72 345.59 192.00	33.91
23 33 13 19-0028 EA 18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	767.65 355.02 197.23	36.63
23 33 13 19-0029 EA 18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	786.62 360.68 200.38	39.51
23 33 13 19-0030 EA 20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	670.92 321.10 178.39	25.43
23 33 13 19-0031 EA 20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	693.33 328.62 182.57	28.32
23 33 13 19-0032 EA 20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	715.78 336.17 186.76	31.03
23 33 13 19-0033 EA 20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	752.26 351.29 195.16	33.91
23 33 13 19-0034 EA 20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	771.18 356.92 198.29	36.63
23 33 13 19-0035 EA 20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	790.11 362.57 201.43	39.51
23 33 13 19-0036 EA 20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	812.55 370.11 205.62	42.39
23 33 13 19-0037 EA 20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	834.96 377.63 209.80	45.11
23 33 13 19-0038 EA 24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	686.88 325.14 180.63	28.32
23 33 13 19-0039 EA 24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	709.49 332.77 184.87	31.03
23 33 13 19-0040 EA 24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	727.42 337.87 187.71	33.91
23 33 13 19-0041 EA 24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	749.97 345.47 191.93	36.63
23 33 13 19-0042 EA 24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	765.51 349.28 194.05	39.51
23 33 13 19-0043 EA 24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	781.02 353.08 196.16	42.39
23 33 13 19-0044 EA 24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	803.60 360.70 200.39	45.11
23 33 13 19-0045 EA 24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	834.66 368.31 204.62	50.87
23 33 13 19-0046 EA 24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	870.44 378.48 210.26	56.47
23 33 13 19-0047 EA 28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	709.49 332.77 184.87	31.03
23 33 13 19-0048 EA 28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	727.42 337.87 187.71	33.91
23 33 13 19-0049 EA 28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	749.97 345.47 191.93	36.63
23 33 13 19-0050 EA 28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	767.86 350.55 194.75	39.51

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0051	EA		28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	788.08	42.39
			<i>For Dynamic Damper, Add</i>	356.90	
			<i>For 3 Hour Rated, Add</i>	198.28	
23 33 13 19-0052	EA		28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	808.28	45.11
			<i>For Dynamic Damper, Add</i>	363.23	
			<i>For 3 Hour Rated, Add</i>	201.79	
23 33 13 19-0053	EA		28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	839.34	50.87
			<i>For Dynamic Damper, Add</i>	370.84	
			<i>For 3 Hour Rated, Add</i>	206.02	
23 33 13 19-0054	EA		28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	870.44	56.47
			<i>For Dynamic Damper, Add</i>	378.48	
			<i>For 3 Hour Rated, Add</i>	210.26	
23 33 13 19-0055	EA		28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	907.11	59.35
			<i>For Dynamic Damper, Add</i>	393.70	
			<i>For 3 Hour Rated, Add</i>	218.72	
23 33 13 19-0056	EA		28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	947.58	64.94
			<i>For Dynamic Damper, Add</i>	406.40	
			<i>For 3 Hour Rated, Add</i>	225.78	
23 33 13 19-0057	EA		32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	741.49	33.91
			<i>For Dynamic Damper, Add</i>	345.47	
			<i>For 3 Hour Rated, Add</i>	191.93	
23 33 13 19-0058	EA		32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	754.65	36.63
			<i>For Dynamic Damper, Add</i>	348.00	
			<i>For 3 Hour Rated, Add</i>	193.33	
23 33 13 19-0059	EA		32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	767.86	39.51
			<i>For Dynamic Damper, Add</i>	350.55	
			<i>For 3 Hour Rated, Add</i>	194.75	
23 33 13 19-0060	EA		32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	785.70	42.39
			<i>For Dynamic Damper, Add</i>	355.61	
			<i>For 3 Hour Rated, Add</i>	197.56	
23 33 13 19-0061	EA		32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	809.16	45.11
			<i>For Dynamic Damper, Add</i>	363.70	
			<i>For 3 Hour Rated, Add</i>	202.06	
23 33 13 19-0062	EA		32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	839.34	50.87
			<i>For Dynamic Damper, Add</i>	370.84	
			<i>For 3 Hour Rated, Add</i>	206.02	
23 33 13 19-0063	EA		32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	875.16	56.47
			<i>For Dynamic Damper, Add</i>	381.02	
			<i>For 3 Hour Rated, Add</i>	211.68	
23 33 13 19-0064	EA		32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	910.93	62.05
			<i>For Dynamic Damper, Add</i>	391.19	
			<i>For 3 Hour Rated, Add</i>	217.33	
23 33 13 19-0065	EA		32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	947.58	64.94
			<i>For Dynamic Damper, Add</i>	406.40	
			<i>For 3 Hour Rated, Add</i>	225.78	
23 33 13 19-0066	EA		32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	994.09	69.52
			<i>For Dynamic Damper, Add</i>	424.19	
			<i>For 3 Hour Rated, Add</i>	235.66	
23 33 13 19-0067	EA		32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,043.53	73.41
			<i>For Dynamic Damper, Add</i>	444.48	
			<i>For 3 Hour Rated, Add</i>	246.94	
23 33 13 19-0068	EA		36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	778.79	36.63
			<i>For Dynamic Damper, Add</i>	361.03	
			<i>For 3 Hour Rated, Add</i>	200.57	
23 33 13 19-0069	EA		36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	797.46	39.51
			<i>For Dynamic Damper, Add</i>	366.54	
			<i>For 3 Hour Rated, Add</i>	203.63	
23 33 13 19-0070	EA		36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	816.16	42.39
			<i>For Dynamic Damper, Add</i>	372.06	
			<i>For 3 Hour Rated, Add</i>	206.70	
23 33 13 19-0071	EA		36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	839.99	45.11
			<i>For Dynamic Damper, Add</i>	380.35	
			<i>For 3 Hour Rated, Add</i>	211.31	
23 33 13 19-0072	EA		36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	864.64	50.87
			<i>For Dynamic Damper, Add</i>	384.50	
			<i>For 3 Hour Rated, Add</i>	213.61	
23 33 13 19-0073	EA		36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	880.78	53.58
			<i>For Dynamic Damper, Add</i>	388.64	
			<i>For 3 Hour Rated, Add</i>	215.91	
23 33 13 19-0074	EA		36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	931.78	62.05
			<i>For Dynamic Damper, Add</i>	402.45	
			<i>For 3 Hour Rated, Add</i>	223.58	
23 33 13 19-0075	EA		36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	974.25	67.83
			<i>For Dynamic Damper, Add</i>	416.22	
			<i>For 3 Hour Rated, Add</i>	231.23	
23 33 13 19-0076	EA		36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,011.69	70.02
			<i>For Dynamic Damper, Add</i>	432.78	
			<i>For 3 Hour Rated, Add</i>	240.44	
23 33 13 19-0077	EA		36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,067.86	75.12
			<i>For Dynamic Damper, Add</i>	454.87	
			<i>For 3 Hour Rated, Add</i>	252.71	
23 33 13 19-0078	EA		36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,115.45	79.01
			<i>For Dynamic Damper, Add</i>	474.16	
			<i>For 3 Hour Rated, Add</i>	263.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0079 EA 36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,164.82 496.24 275.69	81.89
23 33 13 19-0080 EA 40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,253.79 612.95 340.53	42.39
23 33 13 19-0081 EA 40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,289.66 627.75 348.75	45.11
23 33 13 19-0082 EA 40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,305.02 631.47 350.81	47.99
23 33 13 19-0083 EA 40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,320.38 635.18 352.88	50.87
23 33 13 19-0084 EA 40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,361.35 648.15 360.08	53.58
23 33 13 19-0085 EA 40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,393.88 661.13 367.30	56.47
23 33 13 19-0086 EA 40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,446.75 675.95 375.53	64.94
23 33 13 19-0087 EA 40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,491.12 690.75 383.75	70.53
23 33 13 19-0088 EA 40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,545.89 713.01 396.11	75.12
23 33 13 19-0089 EA 40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,633.16 753.73 418.74	79.01
23 33 13 19-0090 EA 40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,687.86 775.94 431.08	83.59
23 33 13 19-0091 EA 40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,770.14 816.70 453.72	85.79
23 33 13 19-0092 EA 40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,852.31 853.76 474.31	90.37
23 33 13 19-0093 EA 44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,275.98 620.36 344.65	42.39
23 33 13 19-0094 EA 44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,311.90 635.18 352.88	45.11
23 33 13 19-0095 EA 44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,340.99 646.31 359.06	47.99
23 33 13 19-0096 EA 44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,356.35 650.03 361.13	50.87
23 33 13 19-0097 EA 44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,392.28 664.85 369.36	53.58
23 33 13 19-0098 EA 44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,428.16 679.64 377.58	56.47
23 33 13 19-0099 EA 44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,496.40 698.18 387.88	67.83
23 33 13 19-0100 EA 44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,547.58 716.67 398.15	73.41
23 33 13 19-0101 EA 44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,633.16 753.73 418.74	79.01
23 33 13 19-0102 EA 44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,711.85 787.06 437.26	84.77
23 33 13 19-0103 EA 44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,797.37 824.09 457.83	90.37
23 33 13 19-0104 EA 44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,867.59 857.43 476.35	93.08
23 33 13 19-0105 EA 44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,937.84 890.78 494.88	95.96
23 33 13 19-0106 EA 44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,008.09 924.14 513.41	98.85

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0107	EA		48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,305.02	45.11
			<i>For Dynamic Damper, Add</i>	631.47	
			<i>For 3 Hour Rated, Add</i>	350.81	
23 33 13 19-0108	EA		48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,340.99	47.99
			<i>For Dynamic Damper, Add</i>	646.31	
			<i>For 3 Hour Rated, Add</i>	359.06	
23 33 13 19-0109	EA		48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,356.35	50.87
			<i>For Dynamic Damper, Add</i>	650.03	
			<i>For 3 Hour Rated, Add</i>	361.13	
23 33 13 19-0110	EA		48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,393.88	56.47
			<i>For Dynamic Damper, Add</i>	661.13	
			<i>For 3 Hour Rated, Add</i>	367.30	
23 33 13 19-0111	EA		48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,438.27	62.05
			<i>For Dynamic Damper, Add</i>	675.95	
			<i>For 3 Hour Rated, Add</i>	375.53	
23 33 13 19-0112	EA		48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,482.64	67.83
			<i>For Dynamic Damper, Add</i>	690.75	
			<i>For 3 Hour Rated, Add</i>	383.75	
23 33 13 19-0113	EA		48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,540.79	73.41
			<i>For Dynamic Damper, Add</i>	713.01	
			<i>For 3 Hour Rated, Add</i>	396.11	
23 33 13 19-0114	EA		48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,598.87	79.01
			<i>For Dynamic Damper, Add</i>	735.21	
			<i>For 3 Hour Rated, Add</i>	408.45	
23 33 13 19-0115	EA		48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,677.56	84.77
			<i>For Dynamic Damper, Add</i>	768.54	
			<i>For 3 Hour Rated, Add</i>	426.97	
23 33 13 19-0116	EA		48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,769.93	90.37
			<i>For Dynamic Damper, Add</i>	809.27	
			<i>For 3 Hour Rated, Add</i>	449.60	
23 33 13 19-0117	EA		48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,840.22	93.08
			<i>For Dynamic Damper, Add</i>	842.65	
			<i>For 3 Hour Rated, Add</i>	468.14	
23 33 13 19-0118	EA		48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,930.96	95.96
			<i>For Dynamic Damper, Add</i>	887.07	
			<i>For 3 Hour Rated, Add</i>	492.82	
23 33 13 19-0119	EA		48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,009.69	101.56
			<i>For Dynamic Damper, Add</i>	920.42	
			<i>For 3 Hour Rated, Add</i>	511.35	
23 33 13 19-0120	EA		48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,100.51	104.44
			<i>For Dynamic Damper, Add</i>	964.89	
			<i>For 3 Hour Rated, Add</i>	536.05	
23 33 13 19-0121	EA		48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,180.79	112.92
			<i>For Dynamic Damper, Add</i>	994.51	
			<i>For 3 Hour Rated, Add</i>	552.50	
23 33 13 19-0122	EA		52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,334.11	47.99
			<i>For Dynamic Damper, Add</i>	642.59	
			<i>For 3 Hour Rated, Add</i>	357.00	
23 33 13 19-0123	EA		52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,370.03	50.87
			<i>For Dynamic Damper, Add</i>	657.41	
			<i>For 3 Hour Rated, Add</i>	365.23	
23 33 13 19-0124	EA		52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,414.44	56.47
			<i>For Dynamic Damper, Add</i>	672.24	
			<i>For 3 Hour Rated, Add</i>	373.46	
23 33 13 19-0125	EA		52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,438.27	62.05
			<i>For Dynamic Damper, Add</i>	675.95	
			<i>For 3 Hour Rated, Add</i>	375.53	
23 33 13 19-0126	EA		52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,486.12	67.83
			<i>For Dynamic Damper, Add</i>	692.63	
			<i>For 3 Hour Rated, Add</i>	384.80	
23 33 13 19-0127	EA		52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,533.90	73.41
			<i>For Dynamic Damper, Add</i>	709.28	
			<i>For 3 Hour Rated, Add</i>	394.05	
23 33 13 19-0128	EA		52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,592.03	79.01
			<i>For Dynamic Damper, Add</i>	731.52	
			<i>For 3 Hour Rated, Add</i>	406.40	
23 33 13 19-0129	EA		52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,650.12	84.77
			<i>For Dynamic Damper, Add</i>	753.73	
			<i>For 3 Hour Rated, Add</i>	418.74	
23 33 13 19-0130	EA		52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,728.80	90.37
			<i>For Dynamic Damper, Add</i>	787.06	
			<i>For 3 Hour Rated, Add</i>	437.26	
23 33 13 19-0131	EA		52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,828.10	95.96
			<i>For Dynamic Damper, Add</i>	831.52	
			<i>For 3 Hour Rated, Add</i>	461.96	
23 33 13 19-0132	EA		52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,905.11	98.85
			<i>For Dynamic Damper, Add</i>	868.53	
			<i>For 3 Hour Rated, Add</i>	482.52	
23 33 13 19-0133	EA		52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,002.85	101.56
			<i>For Dynamic Damper, Add</i>	916.73	
			<i>For 3 Hour Rated, Add</i>	509.30	
23 33 13 19-0134	EA		52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,102.05	107.33
			<i>For Dynamic Damper, Add</i>	961.15	
			<i>For 3 Hour Rated, Add</i>	533.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0135 EA 52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,180.79 994.51 552.50	112.92
23 33 13 19-0136 EA 52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,288.51 1,038.94 577.19	121.40
23 33 13 19-0137 EA 52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,374.08 1,076.00 597.78	127.00
23 33 13 19-0138 EA 56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,356.35 650.03 361.13	50.87
23 33 13 19-0139 EA 56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,407.56 668.52 371.40	56.47
23 33 13 19-0140 EA 56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,445.11 679.64 377.58	62.05
23 33 13 19-0141 EA 56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,468.91 683.34 379.63	67.83
23 33 13 19-0142 EA 56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,523.62 703.73 390.96	73.41
23 33 13 19-0143 EA 56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,578.31 724.11 402.28	79.01
23 33 13 19-0144 EA 56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,632.96 744.46 413.59	84.77
23 33 13 19-0145 EA 56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,687.63 764.83 424.91	90.37
23 33 13 19-0146 EA 56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,786.89 809.27 449.60	95.96
23 33 13 19-0147 EA 56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,877.75 853.76 474.31	98.85
23 33 13 19-0148 EA 56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,961.64 894.48 496.93	101.56
23 33 13 19-0149 EA 56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,074.65 946.35 525.75	107.33
23 33 13 19-0150 EA 56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,173.91 990.79 550.44	112.92
23 33 13 19-0151 EA 56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,280.04 1,038.94 577.19	118.52
23 33 13 19-0152 EA 56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,365.60 1,076.00 597.78	124.28
23 33 13 19-0153 EA 56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,471.74 1,124.16 624.53	129.88
23 33 13 19-0154 EA 56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,577.87 1,172.31 651.28	135.47
23 33 13 19-0155 EA 60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,393.88 661.13 367.30	56.47
23 33 13 19-0156 EA 60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,445.11 679.64 377.58	62.05
23 33 13 19-0157 EA 60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,475.80 687.06 381.70	67.83
23 33 13 19-0158 EA 60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,499.58 690.75 383.75	73.41
23 33 13 19-0159 EA 60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,557.75 713.01 396.11	79.01
23 33 13 19-0160 EA 60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,615.83 735.21 408.45	84.77
23 33 13 19-0161 EA 60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,677.35 759.28 421.82	90.37
23 33 13 19-0162 EA 60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,738.92 783.37 435.20	95.96

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0163	EA		60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,836.58 831.52 461.96	98.85
23 33 13 19-0164	EA		60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,927.35 875.96 486.65	101.56
23 33 13 19-0165	EA		60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,033.52 924.14 513.41	107.33
23 33 13 19-0166	EA		60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,139.66 972.30 540.17	112.92
23 33 13 19-0167	EA		60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,225.19 1,009.32 560.74	118.52
23 33 13 19-0168	EA		60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,351.87 1,068.58 593.66	124.28
23 33 13 19-0169	EA		60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,464.89 1,120.46 622.48	129.88
23 33 13 19-0170	EA		60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,577.87 1,172.31 651.28	135.47
23 33 13 19-0171	EA		60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,677.08 1,216.73 675.96	141.24
23 33 13 19-0172	EA		60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,776.46 1,261.23 700.69	146.83
<b>23 33 13 19-0173 Smoke Damper</b> <small>(23 33 13 19)</small>					
Note: Leakage class I with Firestat UL 555S air foil blades.					
23 33 13 19-0174	EA		6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	110.49 39.34 21.86	12.55
23 33 13 19-0175	EA		8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	114.01 40.32 22.40	13.11
23 33 13 19-0176	EA		8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	116.10 41.33 22.96	13.22
23 33 13 19-0177	EA		10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	116.10 41.33 22.96	13.22
23 33 13 19-0178	EA		10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	119.07 42.32 23.51	13.57
23 33 13 19-0179	EA		10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	127.27 44.31 24.62	15.04
23 33 13 19-0180	EA		12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	119.07 42.32 23.51	13.57
23 33 13 19-0181	EA		12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	125.00 44.31 24.62	14.35
23 33 13 19-0182	EA		12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	129.12 45.31 25.17	15.04
23 33 13 19-0183	EA		12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	136.61 46.30 25.72	16.96
23 33 13 19-0184	EA		14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	124.09 43.82 24.34	14.35
23 33 13 19-0185	EA		14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	129.12 45.31 25.17	15.04
23 33 13 19-0186	EA		14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	133.21 46.30 25.72	15.82
23 33 13 19-0187	EA		14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	138.47 47.30 26.28	16.96
23 33 13 19-0188	EA		14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	148.72 49.79 27.66	18.87
23 33 13 19-0189	EA		16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	196.29 81.58 45.32	15.04
23 33 13 19-0190	EA		16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	201.51 82.57 45.87	16.16





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0191 EA 16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	207.88 83.57 46.43	17.74
23 33 13 19-0192 EA 16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	213.11 84.56 46.98	18.87
23 33 13 19-0193 EA 16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	223.39 87.06 48.37	20.68
23 33 13 19-0194 EA 16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	233.66 89.55 49.75	22.61
23 33 13 19-0195 EA 18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	200.38 82.57 45.87	15.82
23 33 13 19-0196 EA 18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	206.55 84.07 46.70	16.96
23 33 13 19-0197 EA 18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	214.98 85.57 47.54	18.87
23 33 13 19-0198 EA 18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	225.23 88.05 48.92	20.68
23 33 13 19-0199 EA 18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	234.57 90.04 50.02	22.61
23 33 13 19-0200 EA 18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	244.83 92.53 51.41	24.41
23 33 13 19-0201 EA 18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	253.25 94.03 52.24	26.33
23 33 13 19-0202 EA 20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	205.63 83.57 46.43	16.96
23 33 13 19-0203 EA 20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	214.96 85.56 47.53	18.87
23 33 13 19-0204 EA 20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	224.31 87.56 48.64	20.68
23 33 13 19-0205 EA 20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	237.35 91.54 50.86	22.61
23 33 13 19-0206 EA 20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	245.76 93.04 51.69	24.41
23 33 13 19-0207 EA 20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	254.18 94.53 52.52	26.33
23 33 13 19-0208 EA 20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	263.51 96.52 53.62	28.26
23 33 13 19-0209 EA 20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	272.84 98.51 54.73	30.07
23 33 13 19-0210 EA 24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	270.53 115.57 64.20	18.87
23 33 13 19-0211 EA 24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	281.73 118.56 65.87	20.68
23 33 13 19-0212 EA 24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	291.09 120.56 66.98	22.61
23 33 13 19-0213 EA 24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	302.26 123.55 68.64	24.41
23 33 13 19-0214 EA 24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	310.68 125.04 69.47	26.33
23 33 13 19-0215 EA 24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	319.08 126.53 70.29	28.26
23 33 13 19-0216 EA 24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	330.27 129.52 71.96	30.07
23 33 13 19-0217 EA 24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	347.11 132.51 73.61	33.91
23 33 13 19-0218 EA 24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	365.80 136.50 75.83	37.64

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0219	EA		28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	281.73	20.68
			<i>For Dynamic Damper, Add</i>	118.56	
			<i>For 3 Hour Rated, Add</i>	65.87	
23 33 13 19-0220	EA		28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	291.09	22.61
			<i>For Dynamic Damper, Add</i>	120.56	
			<i>For 3 Hour Rated, Add</i>	66.98	
23 33 13 19-0221	EA		28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	302.26	24.41
			<i>For Dynamic Damper, Add</i>	123.55	
			<i>For 3 Hour Rated, Add</i>	68.64	
23 33 13 19-0222	EA		28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	311.59	26.33
			<i>For Dynamic Damper, Add</i>	125.53	
			<i>For 3 Hour Rated, Add</i>	69.74	
23 33 13 19-0223	EA		28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	321.85	28.26
			<i>For Dynamic Damper, Add</i>	128.02	
			<i>For 3 Hour Rated, Add</i>	71.12	
23 33 13 19-0224	EA		28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	332.11	30.07
			<i>For Dynamic Damper, Add</i>	130.51	
			<i>For 3 Hour Rated, Add</i>	72.51	
23 33 13 19-0225	EA		28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	348.95	33.91
			<i>For Dynamic Damper, Add</i>	133.50	
			<i>For 3 Hour Rated, Add</i>	74.17	
23 33 13 19-0226	EA		28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	365.80	37.64
			<i>For Dynamic Damper, Add</i>	136.50	
			<i>For 3 Hour Rated, Add</i>	75.83	
23 33 13 19-0227	EA		28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	382.51	39.57
			<i>For Dynamic Damper, Add</i>	142.46	
			<i>For 3 Hour Rated, Add</i>	79.15	
23 33 13 19-0228	EA		28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	403.04	43.29
			<i>For Dynamic Damper, Add</i>	147.45	
			<i>For 3 Hour Rated, Add</i>	81.92	
23 33 13 19-0229	EA		32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	296.62	22.61
			<i>For Dynamic Damper, Add</i>	123.55	
			<i>For 3 Hour Rated, Add</i>	68.64	
23 33 13 19-0230	EA		32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	304.09	24.41
			<i>For Dynamic Damper, Add</i>	124.53	
			<i>For 3 Hour Rated, Add</i>	69.19	
23 33 13 19-0231	EA		32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	311.59	26.33
			<i>For Dynamic Damper, Add</i>	125.53	
			<i>For 3 Hour Rated, Add</i>	69.74	
23 33 13 19-0232	EA		32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	320.92	28.26
			<i>For Dynamic Damper, Add</i>	127.52	
			<i>For 3 Hour Rated, Add</i>	70.85	
23 33 13 19-0233	EA		32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	332.46	30.07
			<i>For Dynamic Damper, Add</i>	130.70	
			<i>For 3 Hour Rated, Add</i>	72.61	
23 33 13 19-0234	EA		32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	348.95	33.91
			<i>For Dynamic Damper, Add</i>	133.50	
			<i>For 3 Hour Rated, Add</i>	74.17	
23 33 13 19-0235	EA		32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	367.64	37.64
			<i>For Dynamic Damper, Add</i>	137.49	
			<i>For 3 Hour Rated, Add</i>	76.38	
23 33 13 19-0236	EA		32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	386.34	41.37
			<i>For Dynamic Damper, Add</i>	141.48	
			<i>For 3 Hour Rated, Add</i>	78.60	
23 33 13 19-0237	EA		32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	403.04	43.29
			<i>For Dynamic Damper, Add</i>	147.45	
			<i>For 3 Hour Rated, Add</i>	81.92	
23 33 13 19-0238	EA		32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	425.01	46.34
			<i>For Dynamic Damper, Add</i>	154.43	
			<i>For 3 Hour Rated, Add</i>	85.79	
23 33 13 19-0239	EA		32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	447.67	48.94
			<i>For Dynamic Damper, Add</i>	162.39	
			<i>For 3 Hour Rated, Add</i>	90.22	
23 33 13 19-0240	EA		36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	310.95	24.41
			<i>For Dynamic Damper, Add</i>	128.24	
			<i>For 3 Hour Rated, Add</i>	71.24	
23 33 13 19-0241	EA		36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	320.46	26.33
			<i>For Dynamic Damper, Add</i>	130.32	
			<i>For 3 Hour Rated, Add</i>	72.40	
23 33 13 19-0242	EA		36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	329.96	28.26
			<i>For Dynamic Damper, Add</i>	132.40	
			<i>For 3 Hour Rated, Add</i>	73.56	
23 33 13 19-0243	EA		36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	341.42	30.07
			<i>For Dynamic Damper, Add</i>	135.54	
			<i>For 3 Hour Rated, Add</i>	75.30	
23 33 13 19-0244	EA		36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	355.64	33.91
			<i>For Dynamic Damper, Add</i>	137.11	
			<i>For 3 Hour Rated, Add</i>	76.17	
23 33 13 19-0245	EA		36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	364.19	35.72
			<i>For Dynamic Damper, Add</i>	138.68	
			<i>For 3 Hour Rated, Add</i>	77.04	
23 33 13 19-0246	EA		36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	390.81	41.37
			<i>For Dynamic Damper, Add</i>	143.89	
			<i>For 3 Hour Rated, Add</i>	79.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0247 EA 36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	411.76 149.10 82.84	45.22
23 33 13 19-0248 EA 36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	427.88 155.37 86.32	46.69
23 33 13 19-0249 EA 36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	453.50 163.71 90.95	50.07
23 33 13 19-0250 EA 36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	474.95 171.02 95.01	52.68
23 33 13 19-0251 EA 36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	496.06 179.37 99.65	54.59
23 33 13 19-0252 EA 40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	358.82 151.04 83.91	28.26
23 33 13 19-0253 EA 40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	372.20 155.21 86.23	30.07
23 33 13 19-0254 EA 40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	379.78 156.25 86.81	31.98
23 33 13 19-0255 EA 40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	387.37 157.30 87.39	33.91
23 33 13 19-0256 EA 40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	405.44 160.95 89.42	35.72
23 33 13 19-0257 EA 40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	417.87 164.61 91.45	37.64
23 33 13 19-0258 EA 40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	442.55 168.78 93.77	43.29
23 33 13 19-0259 EA 40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	461.59 172.96 96.09	47.02
23 33 13 19-0260 EA 40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	482.22 179.22 99.57	50.07
23 33 13 19-0261 EA 40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	511.39 190.70 105.94	52.68
23 33 13 19-0262 EA 40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	532.01 196.95 109.42	55.73
23 33 13 19-0263 EA 40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	557.79 208.43 115.79	57.20
23 33 13 19-0264 EA 40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	586.17 218.87 121.59	60.25
23 33 13 19-0265 EA 44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	368.34 153.13 85.07	28.26
23 33 13 19-0266 EA 44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	381.71 157.30 87.39	30.07
23 33 13 19-0267 EA 44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	393.19 160.44 89.13	31.98
23 33 13 19-0268 EA 44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	400.78 161.49 89.72	33.91
23 33 13 19-0269 EA 44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	414.15 165.66 92.03	35.72
23 33 13 19-0270 EA 44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	427.52 169.82 94.35	37.64
23 33 13 19-0271 EA 44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	459.81 175.05 97.25	45.22
23 33 13 19-0272 EA 44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	480.76 180.26 100.14	48.94
23 33 13 19-0273 EA 44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	511.39 190.70 105.94	52.68
23 33 13 19-0274 EA 44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	540.10 200.09 111.16	56.52

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0275	EA		44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	570.70	60.25
			<i>For Dynamic Damper, Add</i>	210.51	
			<i>For 3 Hour Rated, Add</i>	116.95	
23 33 13 19-0276	EA		44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	593.74	62.05
			<i>For Dynamic Damper, Add</i>	219.90	
			<i>For 3 Hour Rated, Add</i>	122.17	
23 33 13 19-0277	EA		44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	616.79	63.98
			<i>For Dynamic Damper, Add</i>	229.30	
			<i>For 3 Hour Rated, Add</i>	127.39	
23 33 13 19-0278	EA		44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	639.85	65.90
			<i>For Dynamic Damper, Add</i>	238.70	
			<i>For 3 Hour Rated, Add</i>	132.61	
23 33 13 19-0279	EA		48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	379.78	30.07
			<i>For Dynamic Damper, Add</i>	156.25	
			<i>For 3 Hour Rated, Add</i>	86.81	
23 33 13 19-0280	EA		48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	393.19	31.98
			<i>For Dynamic Damper, Add</i>	160.44	
			<i>For 3 Hour Rated, Add</i>	89.13	
23 33 13 19-0281	EA		48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	400.78	33.91
			<i>For Dynamic Damper, Add</i>	161.49	
			<i>For 3 Hour Rated, Add</i>	89.72	
23 33 13 19-0282	EA		48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	417.87	37.64
			<i>For Dynamic Damper, Add</i>	164.61	
			<i>For 3 Hour Rated, Add</i>	91.45	
23 33 13 19-0283	EA		48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	436.90	41.37
			<i>For Dynamic Damper, Add</i>	168.78	
			<i>For 3 Hour Rated, Add</i>	93.77	
23 33 13 19-0284	EA		48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	455.94	45.22
			<i>For Dynamic Damper, Add</i>	172.96	
			<i>For 3 Hour Rated, Add</i>	96.09	
23 33 13 19-0285	EA		48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	478.84	48.94
			<i>For Dynamic Damper, Add</i>	179.22	
			<i>For 3 Hour Rated, Add</i>	99.57	
23 33 13 19-0286	EA		48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	501.72	52.68
			<i>For Dynamic Damper, Add</i>	185.47	
			<i>For 3 Hour Rated, Add</i>	103.04	
23 33 13 19-0287	EA		48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	530.42	56.52
			<i>For Dynamic Damper, Add</i>	194.86	
			<i>For 3 Hour Rated, Add</i>	108.26	
23 33 13 19-0288	EA		48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	562.98	60.25
			<i>For Dynamic Damper, Add</i>	206.34	
			<i>For 3 Hour Rated, Add</i>	114.64	
23 33 13 19-0289	EA		48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	586.03	62.05
			<i>For Dynamic Damper, Add</i>	215.74	
			<i>For 3 Hour Rated, Add</i>	119.86	
23 33 13 19-0290	EA		48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	614.86	63.98
			<i>For Dynamic Damper, Add</i>	228.26	
			<i>For 3 Hour Rated, Add</i>	126.81	
23 33 13 19-0291	EA		48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	643.56	67.70
			<i>For Dynamic Damper, Add</i>	237.65	
			<i>For 3 Hour Rated, Add</i>	132.03	
23 33 13 19-0292	EA		48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	672.40	69.63
			<i>For Dynamic Damper, Add</i>	250.17	
			<i>For 3 Hour Rated, Add</i>	138.98	
23 33 13 19-0293	EA		48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	704.81	75.28
			<i>For Dynamic Damper, Add</i>	258.52	
			<i>For 3 Hour Rated, Add</i>	143.62	
23 33 13 19-0294	EA		52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	391.26	31.98
			<i>For Dynamic Damper, Add</i>	159.40	
			<i>For 3 Hour Rated, Add</i>	88.55	
23 33 13 19-0295	EA		52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	404.63	33.91
			<i>For Dynamic Damper, Add</i>	163.57	
			<i>For 3 Hour Rated, Add</i>	90.87	
23 33 13 19-0296	EA		52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	423.65	37.64
			<i>For Dynamic Damper, Add</i>	167.73	
			<i>For 3 Hour Rated, Add</i>	93.19	
23 33 13 19-0297	EA		52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	436.90	41.37
			<i>For Dynamic Damper, Add</i>	168.78	
			<i>For 3 Hour Rated, Add</i>	93.77	
23 33 13 19-0298	EA		52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	456.90	45.22
			<i>For Dynamic Damper, Add</i>	173.48	
			<i>For 3 Hour Rated, Add</i>	96.38	
23 33 13 19-0299	EA		52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	476.90	48.94
			<i>For Dynamic Damper, Add</i>	178.17	
			<i>For 3 Hour Rated, Add</i>	98.99	
23 33 13 19-0300	EA		52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	499.80	52.68
			<i>For Dynamic Damper, Add</i>	184.44	
			<i>For 3 Hour Rated, Add</i>	102.47	
23 33 13 19-0301	EA		52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	522.70	56.52
			<i>For Dynamic Damper, Add</i>	190.70	
			<i>For 3 Hour Rated, Add</i>	105.94	
23 33 13 19-0302	EA		52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	551.40	60.25
			<i>For Dynamic Damper, Add</i>	200.09	
			<i>For 3 Hour Rated, Add</i>	111.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0303 EA 52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	585.87 212.60 118.11	63.98
23 33 13 19-0304 EA 52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	610.84 223.03 123.91	65.90
23 33 13 19-0305 EA 52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	641.63 236.61 131.45	67.70
23 33 13 19-0306 EA 52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	676.10 249.12 138.40	71.55
23 33 13 19-0307 EA 52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	704.81 258.52 143.62	75.28
23 33 13 19-0308 EA 52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	744.94 271.04 150.58	80.94
23 33 13 19-0309 EA 52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	775.58 281.48 156.38	84.66
23 33 13 19-0310 EA 56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	400.78 161.49 89.72	33.91
23 33 13 19-0311 EA 56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	421.72 166.69 92.61	37.64
23 33 13 19-0312 EA 56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	438.83 169.82 94.35	41.37
23 33 13 19-0313 EA 56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	452.05 170.86 94.92	45.22
23 33 13 19-0314 EA 56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	474.00 176.61 98.12	48.94
23 33 13 19-0315 EA 56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	495.93 182.35 101.30	52.68
23 33 13 19-0316 EA 56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	517.86 188.08 104.49	56.52
23 33 13 19-0317 EA 56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	539.79 193.82 107.68	60.25
23 33 13 19-0318 EA 56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	574.28 206.34 114.64	63.98
23 33 13 19-0319 EA 56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	603.13 218.87 121.59	65.90
23 33 13 19-0320 EA 56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	630.03 230.34 127.97	67.70
23 33 13 19-0321 EA 56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	668.39 244.95 136.09	71.55
23 33 13 19-0322 EA 56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	702.87 257.47 143.04	75.28
23 33 13 19-0323 EA 56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	739.29 271.04 150.58	79.01
23 33 13 19-0324 EA 56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	769.93 281.48 156.38	82.85
23 33 13 19-0325 EA 56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	806.35 295.04 163.91	86.59
23 33 13 19-0326 EA 56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	842.77 308.60 171.45	90.31
23 33 13 19-0327 EA 60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	417.87 164.61 91.45	37.64
23 33 13 19-0328 EA 60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	438.83 169.82 94.35	41.37
23 33 13 19-0329 EA 60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	453.99 171.91 95.51	45.22
23 33 13 19-0330 EA 60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	467.25 172.96 96.09	48.94

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0331	EA		60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	490.14	52.68
			<i>For Dynamic Damper, Add</i>	179.22	
			<i>For 3 Hour Rated, Add</i>	99.57	
23 33 13 19-0332	EA		60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	513.03	56.52
			<i>For Dynamic Damper, Add</i>	185.47	
			<i>For 3 Hour Rated, Add</i>	103.04	
23 33 13 19-0333	EA		60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	536.89	60.25
			<i>For Dynamic Damper, Add</i>	192.26	
			<i>For 3 Hour Rated, Add</i>	106.81	
23 33 13 19-0334	EA		60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	560.75	63.98
			<i>For Dynamic Damper, Add</i>	199.04	
			<i>For 3 Hour Rated, Add</i>	110.58	
23 33 13 19-0335	EA		60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	591.53	65.90
			<i>For Dynamic Damper, Add</i>	212.60	
			<i>For 3 Hour Rated, Add</i>	118.11	
23 33 13 19-0336	EA		60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	620.36	67.70
			<i>For Dynamic Damper, Add</i>	225.12	
			<i>For 3 Hour Rated, Add</i>	125.07	
23 33 13 19-0337	EA		60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	656.80	71.55
			<i>For Dynamic Damper, Add</i>	238.70	
			<i>For 3 Hour Rated, Add</i>	132.61	
23 33 13 19-0338	EA		60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	693.22	75.28
			<i>For Dynamic Damper, Add</i>	252.26	
			<i>For 3 Hour Rated, Add</i>	140.15	
23 33 13 19-0339	EA		60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	723.83	79.01
			<i>For Dynamic Damper, Add</i>	262.69	
			<i>For 3 Hour Rated, Add</i>	145.94	
23 33 13 19-0340	EA		60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	766.05	82.85
			<i>For Dynamic Damper, Add</i>	279.38	
			<i>For 3 Hour Rated, Add</i>	155.21	
23 33 13 19-0341	EA		60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	804.41	86.59
			<i>For Dynamic Damper, Add</i>	293.99	
			<i>For 3 Hour Rated, Add</i>	163.33	
23 33 13 19-0342	EA		60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	842.77	90.31
			<i>For Dynamic Damper, Add</i>	308.60	
			<i>For 3 Hour Rated, Add</i>	171.45	
23 33 13 19-0343	EA		60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	877.24	94.16
			<i>For Dynamic Damper, Add</i>	321.11	
			<i>For 3 Hour Rated, Add</i>	178.40	
23 33 13 19-0344	EA		60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	911.75	97.89
			<i>For Dynamic Damper, Add</i>	333.64	
			<i>For 3 Hour Rated, Add</i>	185.36	

**23 33 13 23 Backdraft Dampers (23 33 13)****23 33 13 23-0001 Horizontally Mounted Backdraft Damper (23 33 13 23)**

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA		6" x 6" Horizontally Mounted Backdraft Damper .....	81.64	12.55
23 33 13 23-0003	EA		8" x 6" Horizontally Mounted Backdraft Damper .....	98.00	13.11
23 33 13 23-0004	EA		8" x 8" Horizontally Mounted Backdraft Damper .....	117.78	13.22
23 33 13 23-0005	EA		10" x 6" Horizontally Mounted Backdraft Damper .....	112.90	13.22
23 33 13 23-0006	EA		10" x 8" Horizontally Mounted Backdraft Damper .....	108.21	13.57
23 33 13 23-0007	EA		10" x 10" Horizontally Mounted Backdraft Damper .....	129.60	15.04
23 33 13 23-0008	EA		12" x 6" Horizontally Mounted Backdraft Damper .....	101.46	13.57
23 33 13 23-0009	EA		12" x 8" Horizontally Mounted Backdraft Damper .....	126.23	15.04
23 33 13 23-0010	EA		12" x 10" Horizontally Mounted Backdraft Damper .....	121.21	15.82
23 33 13 23-0011	EA		12" x 12" Horizontally Mounted Backdraft Damper .....	139.37	16.96
23 33 13 23-0012	EA		14" x 6" Horizontally Mounted Backdraft Damper .....	113.83	14.35
23 33 13 23-0013	EA		14" x 8" Horizontally Mounted Backdraft Damper .....	116.29	15.82
23 33 13 23-0014	EA		14" x 10" Horizontally Mounted Backdraft Damper .....	136.92	16.96
23 33 13 23-0015	EA		14" x 12" Horizontally Mounted Backdraft Damper .....	122.71	18.87
23 33 13 23-0016	EA		14" x 14" Horizontally Mounted Backdraft Damper .....	139.39	20.68
23 33 13 23-0017	EA		16" x 6" Horizontally Mounted Backdraft Damper .....	126.23	15.04
23 33 13 23-0018	EA		16" x 8" Horizontally Mounted Backdraft Damper .....	129.53	16.96
23 33 13 23-0019	EA		16" x 10" Horizontally Mounted Backdraft Damper .....	119.56	18.87
23 33 13 23-0020	EA		16" x 12" Horizontally Mounted Backdraft Damper .....	132.16	18.87
23 33 13 23-0021	EA		16" x 14" Horizontally Mounted Backdraft Damper .....	150.42	20.68
23 33 13 23-0022	EA		16" x 16" Horizontally Mounted Backdraft Damper .....	168.68	22.61
23 33 13 23-0023	EA		18" x 6" Horizontally Mounted Backdraft Damper .....	113.84	15.82
23 33 13 23-0024	EA		18" x 8" Horizontally Mounted Backdraft Damper .....	107.59	16.96
23 33 13 23-0025	EA		18" x 10" Horizontally Mounted Backdraft Damper .....	127.42	18.87
23 33 13 23-0026	EA		18" x 12" Horizontally Mounted Backdraft Damper .....	147.25	20.68
23 33 13 23-0027	EA		18" x 14" Horizontally Mounted Backdraft Damper .....	167.09	22.61
23 33 13 23-0028	EA		18" x 16" Horizontally Mounted Backdraft Damper .....	190.56	24.41
23 33 13 23-0029	EA		18" x 18" Horizontally Mounted Backdraft Damper .....	216.49	28.26
23 33 13 23-0030	EA		18" x 20" Horizontally Mounted Backdraft Damper .....	179.19	30.07
23 33 13 23-0031	EA		18" x 24" Horizontally Mounted Backdraft Damper .....	208.24	33.91
23 33 13 23-0032	EA		20" x 6" Horizontally Mounted Backdraft Damper .....	124.61	16.96
23 33 13 23-0033	EA		20" x 8" Horizontally Mounted Backdraft Damper .....	119.56	18.87
23 33 13 23-0034	EA		20" x 10" Horizontally Mounted Backdraft Damper .....	140.95	20.68
23 33 13 23-0035	EA		20" x 12" Horizontally Mounted Backdraft Damper .....	162.38	22.61
23 33 13 23-0036	EA		20" x 14" Horizontally Mounted Backdraft Damper .....	187.30	24.41
23 33 13 23-0037	EA		20" x 16" Horizontally Mounted Backdraft Damper .....	209.21	26.33



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0038	EA		20" x 18" Horizontally Mounted Backdraft Damper.....	179.19	30.07
23 33 13 23-0039	EA		20" x 20" Horizontally Mounted Backdraft Damper.....	189.04	30.07
23 33 13 23-0040	EA		20" x 24" Horizontally Mounted Backdraft Damper.....	220.07	33.91
23 33 13 23-0041	EA		20" x 28" Horizontally Mounted Backdraft Damper.....	251.09	37.64
23 33 13 23-0042	EA		20" x 32" Horizontally Mounted Backdraft Damper.....	237.04	41.37
23 33 13 23-0043	EA		20" x 36" Horizontally Mounted Backdraft Damper.....	262.42	45.22
23 33 13 23-0044	EA		24" x 6" Horizontally Mounted Backdraft Damper.....	113.24	18.87
23 33 13 23-0045	EA		24" x 8" Horizontally Mounted Backdraft Damper.....	137.81	20.68
23 33 13 23-0046	EA		24" x 10" Horizontally Mounted Backdraft Damper.....	162.38	22.61
23 33 13 23-0047	EA		24" x 12" Horizontally Mounted Backdraft Damper.....	190.56	24.41
23 33 13 23-0048	EA		24" x 14" Horizontally Mounted Backdraft Damper.....	167.61	28.26
23 33 13 23-0049	EA		24" x 16" Horizontally Mounted Backdraft Damper.....	185.09	30.07
23 33 13 23-0050	EA		24" x 18" Horizontally Mounted Backdraft Damper.....	208.24	33.91
23 33 13 23-0051	EA		24" x 20" Horizontally Mounted Backdraft Damper.....	220.07	33.91
23 33 13 23-0052	EA		24" x 24" Horizontally Mounted Backdraft Damper.....	255.04	37.64
23 33 13 23-0053	EA		24" x 28" Horizontally Mounted Backdraft Damper.....	242.66	41.37
23 33 13 23-0054	EA		24" x 32" Horizontally Mounted Backdraft Damper.....	270.88	45.22
23 33 13 23-0055	EA		24" x 36" Horizontally Mounted Backdraft Damper.....	299.09	48.94
23 33 13 23-0056	EA		24" x 40" Horizontally Mounted Backdraft Damper.....	293.49	52.68
23 33 13 23-0057	EA		24" x 44" Horizontally Mounted Backdraft Damper.....	318.32	56.52
23 33 13 23-0058	EA		24" x 48" Horizontally Mounted Backdraft Damper.....	331.84	56.52
23 33 13 23-0059	EA		28" x 6" Horizontally Mounted Backdraft Damper.....	122.71	18.87
23 33 13 23-0060	EA		28" x 8" Horizontally Mounted Backdraft Damper.....	150.42	20.68
23 33 13 23-0061	EA		28" x 10" Horizontally Mounted Backdraft Damper.....	187.30	24.41
23 33 13 23-0062	EA		28" x 12" Horizontally Mounted Backdraft Damper.....	167.61	28.26
23 33 13 23-0063	EA		28" x 14" Horizontally Mounted Backdraft Damper.....	187.07	30.07
23 33 13 23-0064	EA		28" x 16" Horizontally Mounted Backdraft Damper.....	212.19	33.91
23 33 13 23-0065	EA		28" x 18" Horizontally Mounted Backdraft Damper.....	237.30	37.64
23 33 13 23-0066	EA		28" x 20" Horizontally Mounted Backdraft Damper.....	251.09	37.64
23 33 13 23-0067	EA		28" x 24" Horizontally Mounted Backdraft Damper.....	242.66	41.37
23 33 13 23-0068	EA		28" x 28" Horizontally Mounted Backdraft Damper.....	273.70	45.22
23 33 13 23-0069	EA		28" x 32" Horizontally Mounted Backdraft Damper.....	304.72	48.94
23 33 13 23-0070	EA		28" x 36" Horizontally Mounted Backdraft Damper.....	311.55	56.52
23 33 13 23-0071	EA		28" x 40" Horizontally Mounted Backdraft Damper.....	327.33	56.52
23 33 13 23-0072	EA		28" x 44" Horizontally Mounted Backdraft Damper.....	354.40	60.25
23 33 13 23-0073	EA		28" x 48" Horizontally Mounted Backdraft Damper.....	381.49	63.98
23 33 13 23-0074	EA		28" x 52" Horizontally Mounted Backdraft Damper.....	397.27	63.98
23 33 13 23-0075	EA		28" x 56" Horizontally Mounted Backdraft Damper.....	396.75	67.70
23 33 13 23-0076	EA		28" x 60" Horizontally Mounted Backdraft Damper.....	410.54	67.70
23 33 13 23-0077	EA		32" x 6" Horizontally Mounted Backdraft Damper.....	137.81	20.68
23 33 13 23-0078	EA		32" x 8" Horizontally Mounted Backdraft Damper.....	177.55	24.41
23 33 13 23-0079	EA		32" x 10" Horizontally Mounted Backdraft Damper.....	209.21	26.33
23 33 13 23-0080	EA		32" x 12" Horizontally Mounted Backdraft Damper.....	185.09	30.07
23 33 13 23-0081	EA		32" x 14" Horizontally Mounted Backdraft Damper.....	212.19	33.91
23 33 13 23-0082	EA		32" x 16" Horizontally Mounted Backdraft Damper.....	239.25	37.64
23 33 13 23-0083	EA		32" x 18" Horizontally Mounted Backdraft Damper.....	214.45	37.64
23 33 13 23-0084	EA		32" x 20" Horizontally Mounted Backdraft Damper.....	237.04	41.37
23 33 13 23-0085	EA		32" x 24" Horizontally Mounted Backdraft Damper.....	270.88	45.22
23 33 13 23-0086	EA		32" x 28" Horizontally Mounted Backdraft Damper.....	304.72	48.94
23 33 13 23-0087	EA		32" x 32" Horizontally Mounted Backdraft Damper.....	313.81	56.52
23 33 13 23-0088	EA		32" x 36" Horizontally Mounted Backdraft Damper.....	331.84	56.52
23 33 13 23-0089	EA		32" x 40" Horizontally Mounted Backdraft Damper.....	361.17	60.25
23 33 13 23-0090	EA		32" x 44" Horizontally Mounted Backdraft Damper.....	390.50	63.98
23 33 13 23-0091	EA		32" x 48" Horizontally Mounted Backdraft Damper.....	392.80	67.70
23 33 13 23-0092	EA		32" x 52" Horizontally Mounted Backdraft Damper.....	408.58	67.70
23 33 13 23-0093	EA		32" x 56" Horizontally Mounted Backdraft Damper.....	435.65	71.55
23 33 13 23-0094	EA		32" x 60" Horizontally Mounted Backdraft Damper.....	451.43	71.55
23 33 13 23-0095	EA		32" x 64" Horizontally Mounted Backdraft Damper.....	442.44	75.28
23 33 13 23-0096	EA		32" x 68" Horizontally Mounted Backdraft Damper.....	455.96	75.28
23 33 13 23-0097	EA		32" x 72" Horizontally Mounted Backdraft Damper.....	480.78	79.01
23 33 13 23-0098	EA		36" x 6" Horizontally Mounted Backdraft Damper.....	147.25	20.68
23 33 13 23-0099	EA		36" x 8" Horizontally Mounted Backdraft Damper.....	196.21	26.33
23 33 13 23-0100	EA		36" x 10" Horizontally Mounted Backdraft Damper.....	179.19	30.07
23 33 13 23-0101	EA		36" x 12" Horizontally Mounted Backdraft Damper.....	208.24	33.91
23 33 13 23-0102	EA		36" x 14" Horizontally Mounted Backdraft Damper.....	237.30	37.64
23 33 13 23-0103	EA		36" x 16" Horizontally Mounted Backdraft Damper.....	214.45	37.64
23 33 13 23-0104	EA		36" x 18" Horizontally Mounted Backdraft Damper.....	238.44	41.37
23 33 13 23-0105	EA		36" x 20" Horizontally Mounted Backdraft Damper.....	262.42	45.22
23 33 13 23-0106	EA		36" x 24" Horizontally Mounted Backdraft Damper.....	299.09	48.94
23 33 13 23-0107	EA		36" x 28" Horizontally Mounted Backdraft Damper.....	311.55	56.52
23 33 13 23-0108	EA		36" x 32" Horizontally Mounted Backdraft Damper.....	331.84	56.52
23 33 13 23-0109	EA		36" x 36" Horizontally Mounted Backdraft Damper.....	363.41	60.25
23 33 13 23-0110	EA		36" x 40" Horizontally Mounted Backdraft Damper.....	395.01	63.98
23 33 13 23-0111	EA		36" x 44" Horizontally Mounted Backdraft Damper.....	398.70	67.70
23 33 13 23-0112	EA		36" x 48" Horizontally Mounted Backdraft Damper.....	427.76	71.55
23 33 13 23-0113	EA		36" x 52" Horizontally Mounted Backdraft Damper.....	445.50	71.55
23 33 13 23-0114	EA		36" x 56" Horizontally Mounted Backdraft Damper.....	439.06	75.28
23 33 13 23-0115	EA		36" x 60" Horizontally Mounted Backdraft Damper.....	454.27	75.28
23 33 13 23-0116	EA		36" x 64" Horizontally Mounted Backdraft Damper.....	480.78	79.01
23 33 13 23-0117	EA		36" x 68" Horizontally Mounted Backdraft Damper.....	495.99	79.01
23 33 13 23-0118	EA		36" x 72" Horizontally Mounted Backdraft Damper.....	511.22	79.01

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 33 13 23-0119	EA	40" x 6" Horizontally Mounted Backdraft Damper	162.38	22.61
23 33 13 23-0120	EA	40" x 8" Horizontally Mounted Backdraft Damper	214.86	28.26
23 33 13 23-0121	EA	40" x 10" Horizontally Mounted Backdraft Damper	189.04	30.07
23 33 13 23-0122	EA	40" x 12" Horizontally Mounted Backdraft Damper	220.07	33.91
23 33 13 23-0123	EA	40" x 14" Horizontally Mounted Backdraft Damper	251.09	37.64
23 33 13 23-0124	EA	40" x 16" Horizontally Mounted Backdraft Damper	237.04	41.37
23 33 13 23-0125	EA	40" x 18" Horizontally Mounted Backdraft Damper	262.42	45.22
23 33 13 23-0126	EA	40" x 20" Horizontally Mounted Backdraft Damper	287.81	48.94
23 33 13 23-0127	EA	40" x 24" Horizontally Mounted Backdraft Damper	293.49	52.68
23 33 13 23-0128	EA	40" x 28" Horizontally Mounted Backdraft Damper	327.33	56.52
23 33 13 23-0129	EA	40" x 32" Horizontally Mounted Backdraft Damper	361.17	60.25
23 33 13 23-0130	EA	40" x 36" Horizontally Mounted Backdraft Damper	395.01	63.98
23 33 13 23-0131	EA	40" x 40" Horizontally Mounted Backdraft Damper	400.68	67.70
23 33 13 23-0132	EA	40" x 44" Horizontally Mounted Backdraft Damper	431.69	71.55
23 33 13 23-0133	EA	40" x 48" Horizontally Mounted Backdraft Damper	451.43	71.55
23 33 13 23-0134	EA	40" x 50" Horizontally Mounted Backdraft Damper	437.38	75.28
23 33 13 23-0135	EA	44" x 6" Horizontally Mounted Backdraft Damper	180.80	24.41
23 33 13 23-0136	EA	44" x 8" Horizontally Mounted Backdraft Damper	177.21	30.07
23 33 13 23-0137	EA	44" x 10" Horizontally Mounted Backdraft Damper	210.21	33.91
23 33 13 23-0138	EA	44" x 12" Horizontally Mounted Backdraft Damper	243.21	37.64
23 33 13 23-0139	EA	44" x 14" Horizontally Mounted Backdraft Damper	232.80	41.37
23 33 13 23-0140	EA	44" x 16" Horizontally Mounted Backdraft Damper	259.60	45.22
23 33 13 23-0141	EA	44" x 18" Horizontally Mounted Backdraft Damper	275.10	45.22
23 33 13 23-0142	EA	44" x 20" Horizontally Mounted Backdraft Damper	301.90	48.94
23 33 13 23-0143	EA	44" x 24" Horizontally Mounted Backdraft Damper	318.32	56.52
23 33 13 23-0144	EA	44" x 28" Horizontally Mounted Backdraft Damper	354.40	60.25
23 33 13 23-0145	EA	44" x 32" Horizontally Mounted Backdraft Damper	390.50	63.98
23 33 13 23-0146	EA	44" x 36" Horizontally Mounted Backdraft Damper	398.70	67.70
23 33 13 23-0147	EA	44" x 40" Horizontally Mounted Backdraft Damper	431.69	71.55
23 33 13 23-0148	EA	44" x 44" Horizontally Mounted Backdraft Damper	453.39	71.55
23 33 13 23-0149	EA	44" x 48" Horizontally Mounted Backdraft Damper	449.21	75.28
23 33 13 23-0150	EA	44" x 50" Horizontally Mounted Backdraft Damper	458.49	75.28
23 33 13 23-0151	EA	48" x 6" Horizontally Mounted Backdraft Damper	196.21	26.33
23 33 13 23-0152	EA	48" x 8" Horizontally Mounted Backdraft Damper	185.09	30.07
23 33 13 23-0153	EA	48" x 10" Horizontally Mounted Backdraft Damper	220.07	33.91
23 33 13 23-0154	EA	48" x 12" Horizontally Mounted Backdraft Damper	214.45	37.64
23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper	242.66	41.37
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	270.88	45.22
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	299.09	48.94
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	293.49	52.68
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	331.84	56.52
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	381.49	63.98
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	392.80	67.70
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	427.76	71.55
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	451.43	71.55
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	449.21	75.28
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	480.78	79.01
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	490.93	79.01
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	201.08	26.33
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	200.35	33.91
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	236.31	37.64
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	229.98	41.37
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	258.90	45.22
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	287.81	48.94
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	316.72	52.68
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	310.42	56.52
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	349.89	60.25
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	389.37	63.98
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	400.68	67.70
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	436.63	71.55
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	437.38	75.28
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	458.49	75.28
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	490.93	79.01
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper	501.49	79.01

## 23 33 13 23-0183 Vertically Mounted Backdraft Damper (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	88.31	12.55
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	106.91	13.11
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	109.96	13.22
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	114.65	13.22
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	125.16	13.57
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	139.07	15.04
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	139.24	13.57
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper	157.84	15.04
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper	160.09	15.82
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper	168.18	16.96
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper	135.56	14.35
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper	143.52	15.82
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper	153.78	16.96





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0197	EA		20" x 6" Vertically Mounted Backdraft Damper .....	159.43	18.87
23 33 13 23-0198	EA		16" x 8" Vertically Mounted Backdraft Damper .....	171.93	20.68
23 33 13 23-0199	EA		14" x 10" Vertically Mounted Backdraft Damper .....	165.27	15.04
23 33 13 23-0200	EA		12" x 12" Vertically Mounted Backdraft Damper .....	174.36	16.96
23 33 13 23-0201	EA		18" x 8" Vertically Mounted Backdraft Damper .....	154.82	18.87
23 33 13 23-0202	EA		24" x 6" Vertically Mounted Backdraft Damper .....	154.82	18.87
23 33 13 23-0203	EA		16" x 10" Vertically Mounted Backdraft Damper .....	171.37	20.68
23 33 13 23-0204	EA		20" x 8" Vertically Mounted Backdraft Damper .....	177.03	22.61
23 33 13 23-0205	EA		14" x 12" Vertically Mounted Backdraft Damper .....	162.13	15.82
23 33 13 23-0206	EA		28" x 6" Vertically Mounted Backdraft Damper .....	165.53	16.96
23 33 13 23-0207	EA		18" x 10" Vertically Mounted Backdraft Damper .....	179.37	18.87
23 33 13 23-0208	EA		16" x 12" Vertically Mounted Backdraft Damper .....	193.21	20.68
23 33 13 23-0209	EA		24" x 8" Vertically Mounted Backdraft Damper .....	198.87	22.61
23 33 13 23-0210	EA		32" x 6" Vertically Mounted Backdraft Damper .....	204.51	24.41
23 33 13 23-0211	EA		14" x 14" Vertically Mounted Backdraft Damper .....	218.55	28.26
23 33 13 23-0212	EA		20" x 10" Vertically Mounted Backdraft Damper .....	217.45	30.07
23 33 13 23-0213	EA		18" x 12" Vertically Mounted Backdraft Damper .....	238.92	33.91
23 33 13 23-0214	EA		36" x 6" Vertically Mounted Backdraft Damper .....	188.06	16.96
23 33 13 23-0215	EA		16" x 14" Vertically Mounted Backdraft Damper .....	198.80	18.87
23 33 13 23-0216	EA		28" x 8" Vertically Mounted Backdraft Damper .....	204.45	20.68
23 33 13 23-0217	EA		20" x 12" Vertically Mounted Backdraft Damper .....	220.25	22.61
23 33 13 23-0218	EA		24" x 10" Vertically Mounted Backdraft Damper .....	225.89	24.41
23 33 13 23-0219	EA		40" x 6" Vertically Mounted Backdraft Damper .....	231.54	26.33
23 33 13 23-0220	EA		18" x 14" Vertically Mounted Backdraft Damper .....	250.48	30.07
23 33 13 23-0221	EA		16" x 16" Vertically Mounted Backdraft Damper .....	253.01	30.07
23 33 13 23-0222	EA		32" x 8" Vertically Mounted Backdraft Damper .....	264.32	33.91
23 33 13 23-0223	EA		44" x 6" Vertically Mounted Backdraft Damper .....	280.70	37.64
23 33 13 23-0224	EA		20" x 14" Vertically Mounted Backdraft Damper .....	302.18	41.37
23 33 13 23-0225	EA		28" x 10" Vertically Mounted Backdraft Damper .....	313.48	45.22
23 33 13 23-0226	EA		18" x 16" Vertically Mounted Backdraft Damper .....	239.44	18.87
23 33 13 23-0227	EA		24" x 12" Vertically Mounted Backdraft Damper .....	245.09	20.68
23 33 13 23-0228	EA		36" x 8" Vertically Mounted Backdraft Damper .....	250.75	22.61
23 33 13 23-0229	EA		48" x 6" Vertically Mounted Backdraft Damper .....	256.39	24.41
23 33 13 23-0230	EA		50" x 6" Vertically Mounted Backdraft Damper .....	275.31	28.26
23 33 13 23-0231	EA		20" x 16" Vertically Mounted Backdraft Damper .....	293.66	30.07
23 33 13 23-0232	EA		32" x 10" Vertically Mounted Backdraft Damper .....	304.97	33.91
23 33 13 23-0233	EA		40" x 8" Vertically Mounted Backdraft Damper .....	304.97	33.91
23 33 13 23-0234	EA		18" x 18" Vertically Mounted Backdraft Damper .....	275.62	37.64
23 33 13 23-0235	EA		24" x 14" Vertically Mounted Backdraft Damper .....	264.35	41.37
23 33 13 23-0236	EA		28" x 12" Vertically Mounted Backdraft Damper .....	275.65	45.22
23 33 13 23-0237	EA		44" x 8" Vertically Mounted Backdraft Damper .....	293.63	48.94
23 33 13 23-0238	EA		18" x 20" Vertically Mounted Backdraft Damper .....	308.27	52.68
23 33 13 23-0239	EA		20" x 18" Vertically Mounted Backdraft Damper .....	319.58	56.52
23 33 13 23-0240	EA		36" x 10" Vertically Mounted Backdraft Damper .....	319.58	56.52
23 33 13 23-0241	EA		24" x 16" Vertically Mounted Backdraft Damper .....	216.54	18.87
23 33 13 23-0242	EA		32" x 12" Vertically Mounted Backdraft Damper .....	222.19	20.68
23 33 13 23-0243	EA		48" x 8" Vertically Mounted Backdraft Damper .....	233.49	24.41
23 33 13 23-0244	EA		28" x 14" Vertically Mounted Backdraft Damper .....	248.12	28.26
23 33 13 23-0245	EA		20" x 20" Vertically Mounted Backdraft Damper .....	257.11	30.07
23 33 13 23-0246	EA		40" x 10" Vertically Mounted Backdraft Damper .....	268.42	33.91
23 33 13 23-0247	EA		50" x 8" Vertically Mounted Backdraft Damper .....	279.72	37.64
23 33 13 23-0248	EA		18" x 24" Vertically Mounted Backdraft Damper .....	293.05	37.64
23 33 13 23-0249	EA		24" x 18" Vertically Mounted Backdraft Damper .....	304.36	41.37
23 33 13 23-0250	EA		36" x 12" Vertically Mounted Backdraft Damper .....	315.66	45.22
23 33 13 23-0251	EA		44" x 10" Vertically Mounted Backdraft Damper .....	330.31	48.94
23 33 13 23-0252	EA		28" x 16" Vertically Mounted Backdraft Damper .....	356.25	56.52
23 33 13 23-0253	EA		32" x 14" Vertically Mounted Backdraft Damper .....	356.25	56.52
23 33 13 23-0254	EA		20" x 24" Vertically Mounted Backdraft Damper .....	382.55	60.25
23 33 13 23-0255	EA		24" x 20" Vertically Mounted Backdraft Damper .....	363.15	63.98
23 33 13 23-0256	EA		40" x 12" Vertically Mounted Backdraft Damper .....	363.15	63.98
23 33 13 23-0257	EA		48" x 10" Vertically Mounted Backdraft Damper .....	374.46	67.70
23 33 13 23-0258	EA		50" x 10" Vertically Mounted Backdraft Damper .....	381.58	67.70
23 33 13 23-0259	EA		28" x 18" Vertically Mounted Backdraft Damper .....	241.70	20.68
23 33 13 23-0260	EA		36" x 14" Vertically Mounted Backdraft Damper .....	253.00	24.41
23 33 13 23-0261	EA		32" x 16" Vertically Mounted Backdraft Damper .....	261.51	26.33
23 33 13 23-0262	EA		44" x 12" Vertically Mounted Backdraft Damper .....	278.49	30.07
23 33 13 23-0263	EA		20" x 28" Vertically Mounted Backdraft Damper .....	301.20	33.91
23 33 13 23-0264	EA		28" x 20" Vertically Mounted Backdraft Damper .....	312.50	37.64
23 33 13 23-0265	EA		40" x 14" Vertically Mounted Backdraft Damper .....	312.50	37.64
23 33 13 23-0266	EA		24" x 24" Vertically Mounted Backdraft Damper .....	329.51	41.37
23 33 13 23-0267	EA		32" x 18" Vertically Mounted Backdraft Damper .....	340.81	45.22
23 33 13 23-0268	EA		36" x 16" Vertically Mounted Backdraft Damper .....	352.12	48.94
23 33 13 23-0269	EA		48" x 12" Vertically Mounted Backdraft Damper .....	374.73	56.52
23 33 13 23-0270	EA		50" x 12" Vertically Mounted Backdraft Damper .....	383.29	56.52
23 33 13 23-0271	EA		44" x 14" Vertically Mounted Backdraft Damper .....	400.30	60.25
23 33 13 23-0272	EA		20" x 32" Vertically Mounted Backdraft Damper .....	420.14	63.98
23 33 13 23-0273	EA		32" x 20" Vertically Mounted Backdraft Damper .....	431.45	67.70
23 33 13 23-0274	EA		40" x 16" Vertically Mounted Backdraft Damper .....	431.45	67.70
23 33 13 23-0275	EA		36" x 18" Vertically Mounted Backdraft Damper .....	445.59	71.55
23 33 13 23-0276	EA		24" x 28" Vertically Mounted Backdraft Damper .....	455.57	71.55
23 33 13 23-0277	EA		28" x 24" Vertically Mounted Backdraft Damper .....	446.23	75.28

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0278	EA		48" x 14" Vertically Mounted Backdraft Damper .....	446.23	75.28
23 33 13 23-0279	EA		50" x 14" Vertically Mounted Backdraft Damper .....	466.70	79.01
23 33 13 23-0280	EA		44" x 16" Vertically Mounted Backdraft Damper .....	292.80	20.68
23 33 13 23-0281	EA		20" x 36" Vertically Mounted Backdraft Damper .....	315.00	26.33
23 33 13 23-0282	EA		36" x 20" Vertically Mounted Backdraft Damper .....	326.30	30.07
23 33 13 23-0283	EA		40" x 18" Vertically Mounted Backdraft Damper .....	337.61	33.91
23 33 13 23-0284	EA		24" x 32" Vertically Mounted Backdraft Damper .....	364.63	37.64
23 33 13 23-0285	EA		32" x 24" Vertically Mounted Backdraft Damper .....	364.63	37.64
23 33 13 23-0286	EA		48" x 16" Vertically Mounted Backdraft Damper .....	375.94	41.37
23 33 13 23-0287	EA		28" x 28" Vertically Mounted Backdraft Damper .....	392.49	45.22
23 33 13 23-0288	EA		44" x 18" Vertically Mounted Backdraft Damper .....	406.42	48.94
23 33 13 23-0289	EA		40" x 20" Vertically Mounted Backdraft Damper .....	431.64	56.52
23 33 13 23-0290	EA		50" x 16" Vertically Mounted Backdraft Damper .....	431.64	56.52
23 33 13 23-0291	EA		24" x 36" Vertically Mounted Backdraft Damper .....	463.91	60.25
23 33 13 23-0292	EA		36" x 24" Vertically Mounted Backdraft Damper .....	475.21	63.98
23 33 13 23-0293	EA		48" x 18" Vertically Mounted Backdraft Damper .....	486.52	67.70
23 33 13 23-0294	EA		44" x 20" Vertically Mounted Backdraft Damper .....	503.07	71.55
23 33 13 23-0295	EA		28" x 32" Vertically Mounted Backdraft Damper .....	508.32	71.55
23 33 13 23-0296	EA		32" x 28" Vertically Mounted Backdraft Damper .....	519.62	75.28
23 33 13 23-0297	EA		50" x 18" Vertically Mounted Backdraft Damper .....	520.91	75.28
23 33 13 23-0298	EA		24" x 40" Vertically Mounted Backdraft Damper .....	551.87	79.01
23 33 13 23-0299	EA		40" x 24" Vertically Mounted Backdraft Damper .....	551.87	79.01
23 33 13 23-0300	EA		48" x 20" Vertically Mounted Backdraft Damper .....	551.87	79.01
23 33 13 23-0301	EA		50" x 20" Vertically Mounted Backdraft Damper .....	395.44	22.61
23 33 13 23-0302	EA		28" x 36" Vertically Mounted Backdraft Damper .....	414.99	28.26
23 33 13 23-0303	EA		36" x 28" Vertically Mounted Backdraft Damper .....	420.64	30.07
23 33 13 23-0304	EA		32" x 32" Vertically Mounted Backdraft Damper .....	437.20	33.91
23 33 13 23-0305	EA		24" x 44" Vertically Mounted Backdraft Damper .....	421.58	37.64
23 33 13 23-0306	EA		44" x 24" Vertically Mounted Backdraft Damper .....	432.89	41.37
23 33 13 23-0307	EA		28" x 40" Vertically Mounted Backdraft Damper .....	462.88	45.22
23 33 13 23-0308	EA		40" x 28" Vertically Mounted Backdraft Damper .....	474.19	48.94
23 33 13 23-0309	EA		24" x 48" Vertically Mounted Backdraft Damper .....	494.85	52.68
23 33 13 23-0310	EA		32" x 36" Vertically Mounted Backdraft Damper .....	506.16	56.52
23 33 13 23-0311	EA		36" x 32" Vertically Mounted Backdraft Damper .....	517.46	60.25
23 33 13 23-0312	EA		48" x 24" Vertically Mounted Backdraft Damper .....	528.76	63.98
23 33 13 23-0313	EA		50" x 24" Vertically Mounted Backdraft Damper .....	554.09	67.70
23 33 13 23-0314	EA		28" x 44" Vertically Mounted Backdraft Damper .....	574.73	71.55
23 33 13 23-0315	EA		44" x 28" Vertically Mounted Backdraft Damper .....	574.73	71.55
23 33 13 23-0316	EA		32" x 40" Vertically Mounted Backdraft Damper .....	600.07	75.28
23 33 13 23-0317	EA		40" x 32" Vertically Mounted Backdraft Damper .....	447.47	24.41
23 33 13 23-0318	EA		36" x 36" Vertically Mounted Backdraft Damper .....	469.09	30.07
23 33 13 23-0319	EA		28" x 48" Vertically Mounted Backdraft Damper .....	494.42	33.91
23 33 13 23-0320	EA		48" x 28" Vertically Mounted Backdraft Damper .....	505.72	37.64
23 33 13 23-0321	EA		50" x 28" Vertically Mounted Backdraft Damper .....	533.39	41.37
23 33 13 23-0322	EA		32" x 44" Vertically Mounted Backdraft Damper .....	547.03	45.22
23 33 13 23-0323	EA		44" x 32" Vertically Mounted Backdraft Damper .....	547.03	45.22
23 33 13 23-0324	EA		36" x 40" Vertically Mounted Backdraft Damper .....	568.86	48.94
23 33 13 23-0325	EA		40" x 36" Vertically Mounted Backdraft Damper .....	548.23	56.52
23 33 13 23-0326	EA		28" x 52" Vertically Mounted Backdraft Damper .....	563.73	60.25
23 33 13 23-0327	EA		32" x 48" Vertically Mounted Backdraft Damper .....	596.06	63.98
23 33 13 23-0328	EA		48" x 32" Vertically Mounted Backdraft Damper .....	607.37	67.70
23 33 13 23-0329	EA		28" x 56" Vertically Mounted Backdraft Damper .....	627.09	71.55
23 33 13 23-0330	EA		36" x 44" Vertically Mounted Backdraft Damper .....	631.31	71.55
23 33 13 23-0331	EA		44" x 36" Vertically Mounted Backdraft Damper .....	642.61	75.28
23 33 13 23-0332	EA		40" x 40" Vertically Mounted Backdraft Damper .....	646.81	75.28
23 33 13 23-0333	EA		50" x 32" Vertically Mounted Backdraft Damper .....	499.86	26.33
23 33 13 23-0334	EA		32" x 52" Vertically Mounted Backdraft Damper .....	527.99	30.07
23 33 13 23-0335	EA		28" x 60" Vertically Mounted Backdraft Damper .....	543.50	33.91
23 33 13 23-0336	EA		36" x 48" Vertically Mounted Backdraft Damper .....	567.44	37.64
23 33 13 23-0337	EA		48" x 36" Vertically Mounted Backdraft Damper .....	578.75	41.37
23 33 13 23-0338	EA		40" x 44" Vertically Mounted Backdraft Damper .....	598.47	45.22
23 33 13 23-0339	EA		44" x 40" Vertically Mounted Backdraft Damper .....	609.78	48.94
23 33 13 23-0340	EA		32" x 56" Vertically Mounted Backdraft Damper .....	629.47	52.68
23 33 13 23-0341	EA		50" x 36" Vertically Mounted Backdraft Damper .....	590.30	56.52
23 33 13 23-0342	EA		36" x 52" Vertically Mounted Backdraft Damper .....	629.73	63.98
23 33 13 23-0343	EA		32" x 60" Vertically Mounted Backdraft Damper .....	652.26	67.70
23 33 13 23-0344	EA		40" x 48" Vertically Mounted Backdraft Damper .....	663.56	71.55
23 33 13 23-0345	EA		48" x 40" Vertically Mounted Backdraft Damper .....	663.56	71.55
23 33 13 23-0346	EA		44" x 44" Vertically Mounted Backdraft Damper .....	678.61	75.28
23 33 13 23-0347	EA		40" x 50" Vertically Mounted Backdraft Damper .....	704.87	79.01
23 33 13 23-0348	EA		50" x 40" Vertically Mounted Backdraft Damper .....	704.87	79.01
23 33 13 23-0349	EA		36" x 56" Vertically Mounted Backdraft Damper .....	550.34	26.33
23 33 13 23-0350	EA		32" x 64" Vertically Mounted Backdraft Damper .....	580.45	33.91
23 33 13 23-0351	EA		44" x 48" Vertically Mounted Backdraft Damper .....	606.71	37.64
23 33 13 23-0352	EA		48" x 44" Vertically Mounted Backdraft Damper .....	618.02	41.37
23 33 13 23-0353	EA		36" x 60" Vertically Mounted Backdraft Damper .....	640.53	45.22
23 33 13 23-0354	EA		32" x 68" Vertically Mounted Backdraft Damper .....	655.59	48.94
23 33 13 23-0355	EA		44" x 50" Vertically Mounted Backdraft Damper .....	608.21	52.68
23 33 13 23-0356	EA		50" x 44" Vertically Mounted Backdraft Damper .....	619.52	56.52
23 33 13 23-0357	EA		32" x 72" Vertically Mounted Backdraft Damper .....	652.08	60.25
23 33 13 23-0358	EA		36" x 64" Vertically Mounted Backdraft Damper .....	663.38	63.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0359 EA 48" x 48" Vertically Mounted Backdraft Damper .....	674.69	67.70
23 33 13 23-0360 EA 48" x 50" Vertically Mounted Backdraft Damper .....	705.63	71.55
23 33 13 23-0361 EA 50" x 48" Vertically Mounted Backdraft Damper .....	716.93	75.28
23 33 13 23-0362 EA 36" x 68" Vertically Mounted Backdraft Damper .....	726.75	75.28
23 33 13 23-0363 EA 50" x 50" Vertically Mounted Backdraft Damper .....	748.69	79.01
23 33 13 23-0364 EA 36" x 72" Vertically Mounted Backdraft Damper .....	767.50	79.01
<b>23 33 13 23-0365 Backdraft Damper Accessories (23 33 13 23)</b>		
23 33 13 23-0366 EA For Motor Pack For Horizontally Mounted Backdraft Damper.....	198.36	24.06
23 33 13 23-0367 EA For Motor Pack For Vertically Mounted Backdraft Damper.....	336.25	24.06
<b>23 33 13 33 Splitter Damper Hardware (23 33 13)</b>		
23 33 13 33-0001 EA Splitter Damper, Hardware .....	39.65	7.90
<b>23 33 13 43 Blower Check Valve (23 33 13)</b>		
<b>23 33 13 43-0001 Blower Check Valves With Silicone Seals (23 33 13 43)</b>		
23 33 13 43-0002 EA 2-1/2" Blower Check Valves, Silicone Seals .....	218.20	29.16
23 33 13 43-0003 EA 3" Blower Check Valves, Silicone Seals .....	243.85	33.23
23 33 13 43-0004 EA 4" Blower Check Valves, Silicone Seals .....	313.64	44.08
23 33 13 43-0005 EA 5" Blower Check Valves, Silicone Seals .....	430.25	50.87
23 33 13 43-0006 EA 6" Blower Check Valves, Silicone Seals .....	483.34	61.04
23 33 13 43-0007 EA 8" Blower Check Valves, Silicone Seals .....	716.20	77.31
<b>23 33 13 43-0008 Blower Check Valves With Viton Seats (23 33 13 43)</b>		
23 33 13 43-0009 EA 2-1/2" Blower Check Valves, Viton Seats .....	298.28	29.16
23 33 13 43-0010 EA 3" Blower Check Valves, Viton Seats .....	339.03	33.23
23 33 13 43-0011 EA 4" Blower Check Valves, Viton Seats .....	379.91	44.08
23 33 13 43-0012 EA 5" Blower Check Valves, Viton Seats .....	529.47	50.87
23 33 13 43-0013 EA 6" Blower Check Valves, Viton Seats .....	592.86	61.04
23 33 13 43-0014 EA 8" Blower Check Valves, Viton Seats .....	909.94	77.31
<b>23 33 19 Duct Silencers (23 33)</b>		
<b>23 33 19 00-0001 36" Long Packaged Duct Sound Trap (23 33 19)</b>		
23 33 19 00-0002 EA 12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	350.61	46.25
23 33 19 00-0003 EA 12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	422.01	53.02
23 33 19 00-0004 EA 12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	549.53	60.92
23 33 19 00-0005 EA 12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	669.83	68.82
23 33 19 00-0006 EA 24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	618.54	68.82
23 33 19 00-0007 EA 24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	794.17	72.20
23 33 19 00-0008 EA 24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	878.16	76.70
23 33 19 00-0009 EA 24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	964.41	81.22
23 33 19 00-0010 EA 24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,268.72	92.50
23 33 19 00-0011 EA 36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	787.61	76.70
23 33 19 00-0012 EA 36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,066.48	92.50
23 33 19 00-0013 EA 36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,898.90	124.08
23 33 19 00-0014 EA 36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,102.38	130.85
23 33 19 00-0015 EA 48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,348.01	141.01
23 33 19 00-0016 EA 48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,637.76	153.42
<b>23 33 19 00-0017 60" Long Packaged Duct Sound Trap (23 33 19)</b>		
23 33 19 00-0018 EA 12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	391.71	101.53
23 33 19 00-0019 EA 12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	472.79	117.32
23 33 19 00-0020 EA 12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	617.18	135.36
23 33 19 00-0021 EA 12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	752.42	152.29
23 33 19 00-0022 EA 24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	694.11	152.29
23 33 19 00-0023 EA 24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	895.15	161.31
23 33 19 00-0024 EA 24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	986.73	169.21
23 33 19 00-0025 EA 24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,080.01	178.23
23 33 19 00-0026 EA 24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,428.31	203.05
23 33 19 00-0027 EA 36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	883.83	169.21
23 33 19 00-0028 EA 36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,198.48	203.05
23 33 19 00-0029 EA 36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,129.39	267.34
23 33 19 00-0030 EA 36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,377.58	289.91
23 33 19 00-0031 EA 48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,642.56	307.96
23 33 19 00-0032 EA 48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,975.08	338.42
<b>23 33 19 00-0033 84" Long Packaged Duct Sound Trap (23 33 19)</b>		
23 33 19 00-0034 EA 6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	337.29	84.60
23 33 19 00-0035 EA 6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	579.68	126.34
23 33 19 00-0036 EA 6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	808.25	185.00
23 33 19 00-0037 EA 12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	456.89	101.53

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 19 00-0038 EA 12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	568.83	117.32
23 33 19 00-0039 EA 12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	774.97	135.36
23 33 19 00-0040 EA 12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	917.80	145.52
23 33 19 00-0041 EA 12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,001.85	156.80
23 33 19 00-0042 EA 12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,264.58	169.21
23 33 19 00-0043 EA 12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,497.72	185.00
23 33 19 00-0044 EA 24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	857.79	156.80
23 33 19 00-0045 EA 24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,229.64	163.57
23 33 19 00-0046 EA 24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,343.48	169.21
23 33 19 00-0047 EA 24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,464.19	178.23
23 33 19 00-0048 EA 24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,840.95	191.77
23 33 19 00-0049 EA 24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,997.72	203.05
<b>23 33 23 Turning Vanes (23 33)</b>		
<b>23 33 23 00-0001 Duct Turning Vane Components (23 33 23)</b>		
23 33 23 00-0002 LF Duct Turning Vane Rail.....	11.82	2.82
For Stainless Steel, Add	7.76	
23 33 23 00-0003 LF Double Thick Factory Fabricated, Duct Turning Vane.....	11.33	1.13
For Stainless Steel, Add	11.69	
<b>23 33 23 00-0004 Duct Turning Vane Sets (23 33 23)</b>		
Note: Measured from inside corner to outside corner of ductwork.		
23 33 23 00-0005 LF 12" High Duct Turning Vanes, Sets.....	46.58	4.23
For Stainless Steel, Add	53.68	
23 33 23 00-0006 LF 14" High Duct Turning Vanes, Sets.....	57.87	4.51
For Stainless Steel, Add	67.90	
23 33 23 00-0007 LF 16" High Duct Turning Vanes, Sets.....	79.09	4.73
For Stainless Steel, Add	95.06	
23 33 23 00-0008 LF 18" High Duct Turning Vanes, Sets.....	100.37	5.08
For Stainless Steel, Add	122.23	
23 33 23 00-0009 LF 20" High Duct Turning Vanes, Sets.....	111.22	5.41
For Stainless Steel, Add	135.79	
23 33 23 00-0010 LF 22" High Duct Turning Vanes, Sets.....	142.15	5.08
For Stainless Steel, Add	176.55	
23 33 23 00-0011 LF 24" High Duct Turning Vanes, Sets.....	174.67	5.97
For Stainless Steel, Add	217.28	
23 33 23 00-0012 LF 26" High Duct Turning Vanes, Sets.....	187.53	6.25
For Stainless Steel, Add	233.64	
23 33 23 00-0013 LF 30" High Duct Turning Vanes, Sets.....	209.41	6.50
For Stainless Steel, Add	261.68	
<b>23 33 33 Duct-Mounting Access Doors (23 33)</b>		
<b>23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication (23 33 33)</b>		
23 33 33 00-0002 EA 6" x 6" Duct Access Doors Insulated Factory Fabrication.....	96.54	15.80
For Stainless Steel, Add	66.16	
23 33 33 00-0003 EA 10" x 10" Duct Access Doors Insulated Factory Fabrication.....	103.49	15.80
For Stainless Steel, Add	80.06	
23 33 33 00-0004 EA 12" x 12" Duct Access Doors Insulated Factory Fabrication.....	106.89	15.80
For Stainless Steel, Add	86.86	
23 33 33 00-0005 EA 12" x 18" Duct Access Doors Insulated Factory Fabrication.....	139.32	19.18
For Stainless Steel, Add	122.46	
23 33 33 00-0006 EA 16" x 12" Duct Access Doors Insulated Factory Fabrication.....	140.70	19.18
For Stainless Steel, Add	125.22	
23 33 33 00-0007 EA 18" x 18" Duct Access Doors Insulated Factory Fabrication.....	173.59	25.94
For Stainless Steel, Add	144.12	
23 33 33 00-0008 EA 24" x 18" Duct Access Doors Insulated Factory Fabrication.....	204.50	31.58
For Stainless Steel, Add	155.20	
23 33 33 00-0009 EA 24" x 24" Duct Access Doors Insulated Factory Fabrication.....	264.49	42.86
For Stainless Steel, Add	190.56	
<b>23 33 43 Flexible Connectors (23 33)</b>		
23 33 43 00-0001 LF 6-1/2" Width, Galvanized Steel, Flexible Duct Connector.....	14.43	3.38
23 33 43 00-0002 LF 5-3/4" Width, Vinyl/Steel, Flexible Duct Connector.....	14.85	3.04
<b>23 33 46 Flexible Ducts (23 33)</b>		
<b>23 33 46 00-0001 Flexible Duct, R8.0 Insulated With Metallized Outer Jacket (23 33 46)</b>		
Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.		
23 33 46 00-0002 LF 4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	6.29	1.13
23 33 46 00-0003 LF 5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	7.02	2.26
23 33 46 00-0004 LF 6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	8.06	2.26
23 33 46 00-0005 LF 7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	9.43	2.26
23 33 46 00-0006 LF 8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	11.36	3.38
23 33 46 00-0007 LF 10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	14.60	3.38
23 33 46 00-0008 LF 12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	19.99	4.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 46 00-0009 LF 14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket .....	24.93	4.51
23 33 46 00-0010 LF 16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket .....	32.94	5.64
<b>23 33 46 00-0011 Collars, Sheet Metal Spin-In Type With Damper (23 33 46)</b>		
23 33 46 00-0012 EA Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper .....	47.89	6.77
<i>For Stainless Steel, Add</i>	29.26	
23 33 46 00-0013 EA 5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper .....	51.81	7.90
<i>For Stainless Steel, Add</i>	29.65	
23 33 46 00-0014 EA 6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper .....	58.99	7.90
<i>For Stainless Steel, Add</i>	32.70	
23 33 46 00-0015 EA 7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper .....	66.56	10.15
<i>For Stainless Steel, Add</i>	33.74	
23 33 46 00-0016 EA 8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper .....	80.08	12.41
<i>For Stainless Steel, Add</i>	38.12	
23 33 46 00-0017 EA 10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper .....	94.16	14.67
<i>For Stainless Steel, Add</i>	46.98	
23 33 46 00-0018 EA 12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper .....	106.64	16.92
<i>For Stainless Steel, Add</i>	50.64	
23 33 46 00-0019 EA 14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper .....	126.59	19.18
<i>For Stainless Steel, Add</i>	63.39	
23 33 46 00-0020 EA 16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper .....	137.95	21.44
<i>For Stainless Steel, Add</i>	69.36	
<b>23 33 53 Duct Liners (23 33)</b>		
<b>23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation (23 33 53)</b>		
23 33 53 00-0002 SF 1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	12.84	3.22
23 33 53 00-0003 SF 3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	14.01	3.22
23 33 53 00-0004 SF 1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	15.62	4.29
23 33 53 00-0005 SF 1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	19.18	4.29
23 33 53 00-0006 SF 2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	23.13	4.84
23 33 53 00-0007 SF 1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	12.00	3.38
23 33 53 00-0008 SF 3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	13.09	3.38
23 33 53 00-0009 SF 1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	14.64	4.51
23 33 53 00-0010 SF 1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	17.88	4.51
23 33 53 00-0011 SF 2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	21.65	5.08
<b>23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation (23 33 53)</b>		
23 33 53 00-0013 SF 1/2", R2, 2 LB/CF, T200, Fiberglass Duct Liner Blanket .....	3.05	2.71
23 33 53 00-0014 SF 1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket .....	3.39	3.04
23 33 53 00-0015 SF 1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket .....	4.58	3.04
23 33 53 00-0016 SF 1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket .....	6.04	3.04
23 33 53 00-0017 SF 1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket .....	4.95	3.38
23 33 53 00-0018 SF 2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket .....	5.25	3.73
23 33 53 00-0019 SF 2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket .....	8.41	3.73
<b>23 33 56 Duct Air Extractors (23 33)</b>		
23 33 56 00-0001 EA 12" x 4" Duct Air Extractor .....	52.54	18.62
<i>For Stainless Steel, Add</i>	19.92	
23 33 56 00-0002 EA 8" x 6" Duct Air Extractor .....	55.93	20.31
<i>For Stainless Steel, Add</i>	19.92	
23 33 56 00-0003 EA 12" x 6" Duct Air Extractor .....	64.06	21.44
<i>For Stainless Steel, Add</i>	27.56	
23 33 56 00-0004 EA 16" x 6" Duct Air Extractor .....	72.01	22.57
<i>For Stainless Steel, Add</i>	34.96	
23 33 56 00-0005 EA 24" x 6" Duct Air Extractor .....	94.03	24.81
<i>For Stainless Steel, Add</i>	57.72	
23 33 56 00-0006 EA 12" x 8" Duct Air Extractor .....	68.89	22.57
<i>For Stainless Steel, Add</i>	30.90	
23 33 56 00-0007 EA 20" x 8" Duct Air Extractor .....	90.80	28.20
<i>For Stainless Steel, Add</i>	44.72	
23 33 56 00-0008 EA 18" x 10" Duct Air Extractor .....	98.07	32.15
<i>For Stainless Steel, Add</i>	43.90	
23 33 56 00-0009 EA 24" x 10" Duct Air Extractor .....	119.36	37.78
<i>For Stainless Steel, Add</i>	56.91	
23 33 56 00-0010 EA 24" x 12" Duct Air Extractor .....	137.15	45.12
<i>For Stainless Steel, Add</i>	60.98	
23 33 56 00-0011 EA 30" x 12" Duct Air Extractor .....	171.60	56.40
<i>For Stainless Steel, Add</i>	76.43	
<b>23 33 59 Duct Pressure Relief Doors (23 33)</b>		
<b>23 33 59 00-0001 Duct Pressure Relief Doors (23 33 59)</b>		
23 33 59 00-0002 EA 18" x 18" Duct Pressure Relief Door (Ruskin PRD18) .....	1,191.58	33.84
23 33 59 00-0003 EA 24" x 10" Duct Pressure Relief Door (Ruskin PRD18) .....	978.91	28.20
23 33 59 00-0004 EA 24" x 12" Duct Pressure Relief Door (Ruskin PRD18) .....	969.06	31.02

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST23 34 HVAC Fans <sup>(23 30)</sup>**23 34 13 Axial HVAC Fans <sup>(23 34)</sup>**23 34 13 00-0001 Tube-Axial Fans <sup>(23 34 13)</sup>23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans <sup>(23 34 13 00-0001)</sup>

23 34 13 00-0003	EA 12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure.....	1,810.06	346.71
	For 1/4" Static Pressure, Add	89.28	
	For 3/8" Static Pressure, Add	178.55	
	For 1/2" Static Pressure, Add	245.51	
23 34 13 00-0004	EA 12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure.....	1,889.77	347.74
	For 1/4" Static Pressure, Add	95.65	
	For 3/8" Static Pressure, Add	191.31	
	For 1/2" Static Pressure, Add	263.05	
23 34 13 00-0005	EA 16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure.....	2,049.19	346.71
	For 1/4" Static Pressure, Add	108.41	
	For 3/8" Static Pressure, Add	216.81	
	For 1/2" Static Pressure, Add	298.12	
23 34 13 00-0006	EA 20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure.....	2,208.62	347.74
	For 1/4" Static Pressure, Add	121.16	
	For 3/8" Static Pressure, Add	242.32	
	For 1/2" Static Pressure, Add	333.19	
23 34 13 00-0007	EA 22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure.....	2,586.57	416.47
	For 1/4" Static Pressure, Add	140.29	
	For 3/8" Static Pressure, Add	280.58	
	For 1/2" Static Pressure, Add	385.80	
23 34 13 00-0008	EA 24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure.....	2,977.83	452.91
	For 1/4" Static Pressure, Add	165.80	
	For 3/8" Static Pressure, Add	331.60	
	For 1/2" Static Pressure, Add	455.95	
23 34 13 00-0009	EA 24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure.....	3,143.77	495.59
	For 1/4" Static Pressure, Add	172.18	
	For 3/8" Static Pressure, Add	344.35	
	For 1/2" Static Pressure, Add	473.48	
23 34 13 00-0010	EA 30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure.....	3,591.91	520.58
	For 1/4" Static Pressure, Add	204.06	
	For 3/8" Static Pressure, Add	408.12	
	For 1/2" Static Pressure, Add	561.17	
23 34 13 00-0011	EA 30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure.....	4,330.46	650.72
	For 1/4" Static Pressure, Add	242.32	
	For 3/8" Static Pressure, Add	484.64	
	For 1/2" Static Pressure, Add	666.38	
23 34 13 00-0012	EA 36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure.....	4,895.49	694.45
	For 1/4" Static Pressure, Add	280.58	
	For 3/8" Static Pressure, Add	561.16	
	For 1/2" Static Pressure, Add	771.60	
23 34 13 00-0013	EA 36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure.....	5,746.74	800.65
	For 1/4" Static Pressure, Add	331.60	
	For 3/8" Static Pressure, Add	663.19	
	For 1/2" Static Pressure, Add	911.89	

23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans <sup>(23 34 13 00-0001)</sup>

23 34 13 00-0015	EA 15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure.....	1,715.73	336.30
	For 1/4" Static Pressure, Add	83.52	
	For 3/8" Static Pressure, Add	167.04	
	For 1/2" Static Pressure, Add	229.68	
23 34 13 00-0016	EA 15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure.....	1,820.55	347.74
	For 1/4" Static Pressure, Add	90.12	
	For 3/8" Static Pressure, Add	180.23	
	For 1/2" Static Pressure, Add	247.82	
23 34 13 00-0017	EA 18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure.....	1,881.11	359.20
	For 1/4" Static Pressure, Add	93.05	
	For 3/8" Static Pressure, Add	186.09	
	For 1/2" Static Pressure, Add	255.88	
23 34 13 00-0018	EA 18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure.....	1,992.22	371.69
	For 1/4" Static Pressure, Add	99.88	
	For 3/8" Static Pressure, Add	199.77	
	For 1/2" Static Pressure, Add	274.68	
23 34 13 00-0019	EA 18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure.....	2,251.77	386.27
	For 1/4" Static Pressure, Add	118.44	
	For 3/8" Static Pressure, Add	236.89	
	For 1/2" Static Pressure, Add	325.72	
23 34 13 00-0020	EA 24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure.....	2,376.07	400.84
	For 1/4" Static Pressure, Add	126.01	
	For 3/8" Static Pressure, Add	252.03	
	For 1/2" Static Pressure, Add	346.54	
23 34 13 00-0021	EA 24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure.....	2,664.53	416.47
	For 1/4" Static Pressure, Add	146.53	
	For 3/8" Static Pressure, Add	293.06	
	For 1/2" Static Pressure, Add	402.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0022 EA 24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure.....	3,013.90	416.47
For 1/4" Static Pressure, Add	174.58	
For 3/8" Static Pressure, Add	349.17	
For 1/2" Static Pressure, Add	480.11	
23 34 13 00-0023 EA 30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure.....	3,498.55	452.91
For 1/4" Static Pressure, Add	207.58	
For 3/8" Static Pressure, Add	415.16	
For 1/2" Static Pressure, Add	570.85	
23 34 13 00-0024 EA 30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure.....	4,146.32	548.69
For 1/4" Static Pressure, Add	244.21	
For 3/8" Static Pressure, Add	488.43	
For 1/2" Static Pressure, Add	671.59	
23 34 13 00-0025 EA 30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure.....	4,735.43	548.69
For 1/4" Static Pressure, Add	290.97	
For 3/8" Static Pressure, Add	581.95	
For 1/2" Static Pressure, Add	800.18	
23 34 13 00-0026 EA 36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure.....	5,218.00	578.88
For 1/4" Static Pressure, Add	324.89	
For 3/8" Static Pressure, Add	649.79	
For 1/2" Static Pressure, Add	893.46	
23 34 13 00-0027 EA 36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure.....	5,703.29	612.20
For 1/4" Static Pressure, Add	358.50	
For 3/8" Static Pressure, Add	717.00	
For 1/2" Static Pressure, Add	985.88	
23 34 13 00-0028 EA 36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure.....	6,481.15	800.65
For 1/4" Static Pressure, Add	390.74	
For 3/8" Static Pressure, Add	781.48	
For 1/2" Static Pressure, Add	1,074.54	
23 34 13 00-0029 EA 36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure.....	7,416.33	801.69
For 1/4" Static Pressure, Add	465.56	
For 3/8" Static Pressure, Add	931.11	
For 1/2" Static Pressure, Add	1,280.28	
23 34 13 00-0030 EA 42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure.....	8,370.22	946.20
For 1/4" Static Pressure, Add	518.73	
For 3/8" Static Pressure, Add	1,037.45	
For 1/2" Static Pressure, Add	1,426.50	

**23 34 16 Centrifugal HVAC Fans (23 34)**

23 34 16 00-0001	<b>Centrifugal Fans (23 34 16)</b> Note: All belt fans to be supplied with belt guard.		
23 34 16 00-0002	<b>Utility Backward Inclined Steel Wheel Centrifugal Fans (23 34 16 00-0001)</b> Note: V-belt driven.		
23 34 16 00-0003	<b>Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002)</b> Note: Under 30" diameter wheel.		
23 34 16 00-0004	<b>12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure (23 34 16 00-0003)</b>		
23 34 16 00-0005	EA 1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan .....	1,152.10	228.75
23 34 16 00-0006	EA 1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan .....	1,648.41	237.38
23 34 16 00-0007	EA 1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan .....	1,696.45	189.18
23 34 16 00-0008	EA 1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan .....	1,771.55	259.25
23 34 16 00-0009	EA 3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan .....	1,815.41	274.86
23 34 16 00-0010	EA 1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan .....	1,873.61	286.32
23 34 16 00-0011	EA 1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan .....	1,932.53	305.06
23 34 16 00-0012	<b>13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure (23 34 16 00-0003)</b>		
23 34 16 00-0013	EA 1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	1,899.51	249.88
23 34 16 00-0014	EA 1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	1,934.08	259.25
23 34 16 00-0015	EA 1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	1,998.21	274.86
23 34 16 00-0016	EA 3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	2,035.84	286.32
23 34 16 00-0017	EA 1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	2,105.32	305.06
23 34 16 00-0018	EA 1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	2,174.16	319.64
23 34 16 00-0019	<b>15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure (23 34 16 00-0003)</b>		
23 34 16 00-0020	EA 1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure .....	1,913.80	259.25
23 34 16 00-0021	EA 1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure .....	1,957.66	274.86
23 34 16 00-0022	EA 1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure .....	2,015.56	286.32
23 34 16 00-0023	EA 3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure .....	2,064.75	305.06
23 34 16 00-0024	EA 1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure .....	2,126.85	319.64
23 34 16 00-0025	EA 1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure .....	2,213.85	343.58
23 34 16 00-0026	EA 2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure .....	2,281.80	361.28
23 34 16 00-0027	<b>16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure (23 34 16 00-0003)</b>		
23 34 16 00-0028	EA 1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,190.86	274.86
23 34 16 00-0029	EA 1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,269.83	286.32
23 34 16 00-0030	EA 1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,357.56	305.06
23 34 16 00-0031	EA 3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,403.90	319.64

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0032	EA		1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,465.04	343.58
23 34 16 00-0033	EA		1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,517.26	361.28
23 34 16 00-0034	EA		2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,795.19	392.52
<b>23 34 16 00-0035</b>			<b>18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure (23 34 16 00-0003)</b>		
23 34 16 00-0036	EA		1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,263.98	286.32
23 34 16 00-0037	EA		1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,318.23	305.06
23 34 16 00-0038	EA		1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,390.47	319.64
23 34 16 00-0039	EA		3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,447.07	343.58
23 34 16 00-0040	EA		1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,525.15	361.28
23 34 16 00-0041	EA		1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,643.10	392.52
23 34 16 00-0042	EA		2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,719.72	416.47
23 34 16 00-0043	EA		3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,834.10	458.11
<b>23 34 16 00-0044</b>			<b>20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure (23 34 16 00-0003)</b>		
23 34 16 00-0045	EA		1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,287.82	305.06
23 34 16 00-0046	EA		1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,360.04	319.64
23 34 16 00-0047	EA		1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,447.07	343.58
23 34 16 00-0048	EA		3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,525.15	361.28
23 34 16 00-0049	EA		1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,673.51	392.52
23 34 16 00-0050	EA		1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure .....	2,880.49	416.47
23 34 16 00-0051	EA		2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	3,026.18	458.11
23 34 16 00-0052	EA		3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	3,177.15	490.39
<b>23 34 16 00-0053</b>			<b>22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure (23 34 16 00-0003)</b>		
23 34 16 00-0054	EA		1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	2,748.72	319.64
23 34 16 00-0055	EA		1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	2,800.56	343.58
23 34 16 00-0056	EA		1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	2,871.58	361.28
23 34 16 00-0057	EA		3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	2,960.80	392.52
23 34 16 00-0058	EA		1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	3,078.80	416.47
23 34 16 00-0059	EA		1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	3,119.11	458.11
23 34 16 00-0060	EA		2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	3,197.42	490.39
23 34 16 00-0061	EA		3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	3,337.36	549.73
<b>23 34 16 00-0062</b>			<b>24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure (23 34 16 00-0003)</b>		
23 34 16 00-0063	EA		1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	3,305.54	343.58
23 34 16 00-0064	EA		1/3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	3,413.69	392.52
23 34 16 00-0065	EA		1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	3,520.73	416.47
23 34 16 00-0066	EA		1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	3,634.54	458.11
23 34 16 00-0067	EA		1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	3,734.81	490.39
23 34 16 00-0068	EA		2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	3,824.06	549.73
23 34 16 00-0069	EA		3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	3,947.17	597.62
23 34 16 00-0070	EA		5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	4,235.07	687.17
<b>23 34 16 00-0071</b>			<b>27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure (23 34 16 00-0003)</b>		
23 34 16 00-0072	EA		1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,662.46	361.28
23 34 16 00-0073	EA		1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,774.22	416.47
23 34 16 00-0074	EA		3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,888.02	458.11
23 34 16 00-0075	EA		1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,988.30	490.39
23 34 16 00-0076	EA		1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure .....	4,128.23	549.73
23 34 16 00-0077	EA		2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,251.05	597.62
23 34 16 00-0078	EA		3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,560.49	687.17
23 34 16 00-0079	EA		5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,604.24	763.17
<b>23 34 16 00-0080</b>			<b>Large Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002)</b>		
			Note: Over 30" diameter wheel.		
<b>23 34 16 00-0081</b>			<b>30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure (23 34 16 00-0080)</b>		
23 34 16 00-0082	EA		1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,130.11	458.11
23 34 16 00-0083	EA		3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,226.39	490.39
23 34 16 00-0084	EA		1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,375.39	549.73
23 34 16 00-0085	EA		1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure .....	5,508.33	597.62
23 34 16 00-0086	EA		2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,705.29	687.17
23 34 16 00-0087	EA		3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,881.80	763.17
23 34 16 00-0088	EA		5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	6,174.02	916.21
23 34 16 00-0089	EA		7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure .....	6,443.51	1,056.78
<b>23 34 16 00-0090</b>			<b>33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure (23 34 16 00-0080)</b>		
23 34 16 00-0091	EA		1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	6,016.19	490.39
23 34 16 00-0092	EA		3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	6,206.82	549.73
23 34 16 00-0093	EA		1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	6,380.64	597.62
23 34 16 00-0094	EA		1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	6,617.85	687.17





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0095 EA 2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	6,834.93	763.17
23 34 16 00-0096 EA 3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	7,167.68	916.21
23 34 16 00-0097 EA 5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	7,538.66	1,056.78
23 34 16 00-0098 EA 7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	8,064.59	1,374.33
<b>23 34 16 00-0099 36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure</b> <small>(23 34 16 00-0099)</small>		
23 34 16 00-0100 EA 1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	6,421.80	549.73
23 34 16 00-0101 EA 3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	6,601.68	597.62
23 34 16 00-0102 EA 1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	7,173.48	687.17
23 34 16 00-0103 EA 1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	7,558.88	763.17
23 34 16 00-0104 EA 2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	8,033.83	916.21
23 34 16 00-0105 EA 3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	8,398.43	1,056.78
23 34 16 00-0106 EA 5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	9,163.83	1,374.33
23 34 16 00-0107 EA 7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	9,805.54	1,717.91
<b>23 34 16 00-0108 Kitchen System Fans</b> <small>(23 34 16 00-0001)</small>		
<b>23 34 16 00-0109 Upblast Kitchen Exhaust Fans</b> <small>(23 34 16 00-0108)</small>		
<b>23 34 16 00-0110 Direct Drive Kitchen Upblast Exhaust Fans</b> <small>(23 34 16 00-0109)</small>		
Note: Greenheck CUE.		
23 34 16 00-0111 EA Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan .....	1,142.11	135.35
Note: 115V. For roof or wall installations. Includes disconnect switch.		
For Bird Screen, Add 49.37		
For Backdraft Damper, Add 125.92		
For Damper Motor, Add 202.30		
23 34 16 00-0112 EA 14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan .....	1,338.25	135.35
Note: 115V. For roof or wall installations. Includes disconnect switch.		
For Bird Screen, Add 49.37		
For Backdraft Damper, Add 125.92		
For Damper Motor, Add 202.30		
<b>23 34 16 00-0113 Belt Drive Kitchen Upblast Exhaust Fans</b> <small>(23 34 16 00-0109)</small>		
Note: Greenheck CUBE.		
23 34 16 00-0114 EA 10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	1,957.88	135.35
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add 49.37		
For Wall Mounted Fan, Add 78.32		
For 3 Phase Motor, Deduct -50.00		
For Totally Enclosed Motor, Add 85.00		
For Grease Trap Kit, Add 76.41		
For Hinged Curb Kit, Add 143.41		
For Backdraft Damper, Add 125.92		
For Damper Motor, Add 202.30		
23 34 16 00-0115 EA 12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	2,043.00	135.35
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add 49.37		
For Wall Mounted Fan, Add 81.72		
For 3 Phase Motor, Deduct -50.00		
For Totally Enclosed Motor, Add 85.00		
For Grease Trap Kit, Add 76.41		
For Hinged Curb Kit, Add 150.65		
For Backdraft Damper, Add 125.92		
For Damper Motor, Add 202.30		
23 34 16 00-0116 EA 14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	1,756.07	156.18
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add 56.18		
For Wall Mounted Fan, Add 70.24		
For 3 Phase Motor, Deduct -50.00		
For Totally Enclosed Motor, Add 85.00		
For Grease Trap Kit, Add 76.41		
For Hinged Curb Kit, Add 122.72		
For Backdraft Damper, Add 142.89		
For Damper Motor, Add 202.30		
23 34 16 00-0117 EA 14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	1,878.65	156.18
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add 56.18		
For Wall Mounted Fan, Add 75.15		
For 3 Phase Motor, Deduct -50.00		
For Totally Enclosed Motor, Add 85.00		
For Grease Trap Kit, Add 76.41		
For Hinged Curb Kit, Add 133.14		
For Backdraft Damper, Add 142.89		
For Damper Motor, Add 202.30		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0118	EA		16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,386.97 Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,386.97	182.21
			<i>For Bird Screen, Add</i>	56.18	
			<i>For Wall Mounted Fan, Add</i>	95.48	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	171.92	
			<i>For Backdraft Damper, Add</i>	142.89	
			<i>For Damper Motor, Add</i>	202.30	
23 34 16 00-0119	EA		16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,518.06 Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,518.06	182.21
			<i>For Bird Screen, Add</i>	56.18	
			<i>For Wall Mounted Fan, Add</i>	100.72	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	183.06	
			<i>For Backdraft Damper, Add</i>	142.89	
			<i>For Damper Motor, Add</i>	202.30	
23 34 16 00-0120	EA		18" Diameter Wheel, 1/2 HP, 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,743.29 Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,743.29	195.22
			<i>For Bird Screen, Add</i>	93.64	
			<i>For Wall Mounted Fan, Add</i>	109.73	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	199.99	
			<i>For Backdraft Damper, Add</i>	177.51	
			<i>For Damper Motor, Add</i>	202.30	
23 34 16 00-0121	EA		18" Diameter Wheel, 1 HP, 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,947.59 Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,947.59	195.22
			<i>For Bird Screen, Add</i>	93.64	
			<i>For Wall Mounted Fan, Add</i>	117.90	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	217.36	
			<i>For Backdraft Damper, Add</i>	177.51	
			<i>For Damper Motor, Add</i>	202.30	
23 34 16 00-0122	EA		20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,997.46 Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,997.46	208.23
			<i>For Bird Screen, Add</i>	93.64	
			<i>For Wall Mounted Fan, Add</i>	119.90	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	219.38	
			<i>For Backdraft Damper, Add</i>	177.51	
			<i>For Damper Motor, Add</i>	202.30	
23 34 16 00-0123	EA		20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,285.18 Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,285.18	208.23
			<i>For Bird Screen, Add</i>	93.64	
			<i>For Wall Mounted Fan, Add</i>	131.41	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	243.84	
			<i>For Backdraft Damper, Add</i>	177.51	
			<i>For Damper Motor, Add</i>	202.30	
23 34 16 00-0124	EA		24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,783.29 Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,783.29	234.26
			<i>For Bird Screen, Add</i>	110.66	
			<i>For Wall Mounted Fan, Add</i>	151.33	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	281.76	
			<i>For Backdraft Damper, Add</i>	192.51	
			<i>For Damper Motor, Add</i>	202.30	
23 34 16 00-0125	EA		24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....4,047.18 Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	4,047.18	234.26
			<i>For Bird Screen, Add</i>	110.66	
			<i>For Wall Mounted Fan, Add</i>	161.89	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	304.19	
			<i>For Backdraft Damper, Add</i>	192.51	
			<i>For Damper Motor, Add</i>	202.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0126 EA 30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... 4,795.56	4,795.56	260.29
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	119.18	
<i>For Wall Mounted Fan, Add</i>	191.82	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	363.37	
<i>For Backdraft Damper, Add</i>	213.40	
<i>For Damper Motor, Add</i>	202.30	
23 34 16 00-0127 EA 30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... 4,882.38	4,882.38	260.29
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	119.18	
<i>For Wall Mounted Fan, Add</i>	195.30	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	370.75	
<i>For Backdraft Damper, Add</i>	213.40	
<i>For Damper Motor, Add</i>	202.30	
23 34 16 00-0128 EA 30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... 5,323.33	5,323.33	260.29
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	119.18	
<i>For Wall Mounted Fan, Add</i>	212.93	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	408.23	
<i>For Backdraft Damper, Add</i>	213.40	
<i>For Damper Motor, Add</i>	202.30	
23 34 16 00-0129 EA 30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... 5,536.14	5,536.14	260.29
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	119.18	
<i>For Wall Mounted Fan, Add</i>	221.45	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	426.32	
<i>For Backdraft Damper, Add</i>	213.40	
<i>For Damper Motor, Add</i>	202.30	
23 34 16 00-0130 EA 36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... 6,095.81	6,095.81	286.32
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	136.20	
<i>For Wall Mounted Fan, Add</i>	243.83	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	469.47	
<i>For Damper Motor, Add</i>	202.30	
<i>For Backdraft Damper, Add</i>	250.22	
23 34 16 00-0131 EA 36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... 6,340.54	6,340.54	286.32
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	136.20	
<i>For Wall Mounted Fan, Add</i>	253.62	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	490.27	
<i>For Damper Motor, Add</i>	202.30	
<i>For Backdraft Damper, Add</i>	250.22	
23 34 16 00-0132 EA 42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... 6,399.45	6,399.45	312.35
Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	136.20	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	490.86	
<i>For Damper Motor, Add</i>	202.30	
<i>For Backdraft Damper, Add</i>	289.80	
23 34 16 00-0133 EA 42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... 6,936.76	6,936.76	312.35
Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	136.20	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	536.53	
<i>For Damper Motor, Add</i>	202.30	
<i>For Backdraft Damper, Add</i>	289.80	
<b>23 34 16 00-0134 Untempered Kitchen Make-Up Air Fans</b> <small>(23 34 16 00-0108)</small>		
Note: Roof mounted with downblast discharge, weatherhood and filter.		
<b>23 34 16 00-0135 Direct Drive Kitchen Make-Up Air Fans</b> <small>(23 34 16 00-0134)</small>		
23 34 16 00-0136 EA 7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan ..... 1,323.17	1,323.17	135.35
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	225.52	
23 34 16 00-0137 EA 8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan ..... 1,389.81	1,389.81	135.35
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	235.51	
23 34 16 00-0138 EA 9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan ..... 1,471.58	1,471.58	135.35
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	247.78	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 34 16 00-0139 Belt Drive Kitchen Make-Up Air Fans</b> (23 34 16 00-0134)		
23 34 16 00-0140 EA 9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan.....	1,503.30	135.35
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	252.54	
23 34 16 00-0141 EA 10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan.....	1,687.88	182.21
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	289.62	
23 34 16 00-0142 EA 12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan.....	2,033.85	208.23
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	346.72	
23 34 16 00-0143 EA 15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan.....	2,359.28	260.29
Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	405.95	
23 34 16 00-0144 EA 18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan.....	2,854.92	312.35
Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	490.70	
<b>23 34 16 00-0145 Replacement Parts</b> (23 34 16 00-0001)		
<b>23 34 16 00-0146 Replace Belts And Accessories</b> (23 34 16 00-0145)		
23 34 16 00-0147 EA Fan Shaft Bearing, Replacement.....	781.33	344.32
23 34 16 00-0148 EA Fan Belt, Replacement.....	130.51	46.69
<b>23 34 16 00-0149 Corrosive Fume Resistant Plastic</b> (23 34 16 00-0001)		
<b>23 34 16 00-0150 Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure</b> (23 34 16 00-0149)		
23 34 16 00-0151 EA 250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	6,055.60	187.82
For Explosion Proof Motor, Add	852.00	
23 34 16 00-0152 EA 895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	6,573.79	225.61
For Explosion Proof Motor, Add	918.39	
23 34 16 00-0153 EA 1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	7,793.08	282.01
For Explosion Proof Motor, Add	1,084.36	
23 34 16 00-0154 EA 2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	8,350.37	376.20
For Explosion Proof Motor, Add	1,139.68	
23 34 16 00-0155 EA 3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	9,537.36	564.02
For Explosion Proof Motor, Add	1,261.40	
23 34 16 00-0156 EA 11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	16,419.16	1,128.05
For Explosion Proof Motor, Add	2,124.46	
23 34 16 00-0157 EA 18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	23,953.26	1,612.55
For Explosion Proof Motor, Add	3,109.23	
<b>23 34 16 00-0158 Utility Set, Centrifugal, Belt Drive</b> (23 34 16 00-0149)		
23 34 16 00-0159 EA 1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	6,055.60	187.82
For Explosion Proof Motor, Add	852.00	
23 34 16 00-0160 EA 1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	6,204.96	225.61
For Explosion Proof Motor, Add	863.06	
23 34 16 00-0161 EA 1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	6,317.76	282.01
For Explosion Proof Motor, Add	863.06	
23 34 16 00-0162 EA 2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	6,506.22	376.20
For Explosion Proof Motor, Add	863.06	
23 34 16 00-0163 EA 3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	8,947.23	564.02
For Explosion Proof Motor, Add	1,172.88	
23 34 16 00-0164 EA 4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	9,229.25	705.03
For Explosion Proof Motor, Add	1,172.88	
23 34 16 00-0165 EA 4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	9,432.73	806.78
For Explosion Proof Motor, Add	1,172.88	
23 34 16 00-0166 EA 6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	9,658.80	846.04
For Explosion Proof Motor, Add	1,195.01	
23 34 16 00-0167 EA 7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	9,920.57	940.00
For Explosion Proof Motor, Add	1,206.07	
<b>23 34 16 00-0168 In-Line Duct Fans</b> (23 34 16 00-0001)		
<b>23 34 16 00-0169 Direct Drive In-Line Duct Fans</b> (23 34 16 00-0168)		
Note: Greenheck SQ.		
23 34 16 00-0170 EA Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan.....	1,345.10	135.35
Note: 115V. Includes disconnect switch.		
23 34 16 00-0171 EA 13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan.....	1,715.92	145.77
Note: 115V. Includes disconnect switch.		
23 34 16 00-0172 EA 14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan.....	1,881.20	156.18
Note: 115V. Includes disconnect switch.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0173			<b>Belt Drive In-Line Duct Fans</b> (23 34 16 00-0168) Note: Greenheck BSQ.		
23 34 16 00-0174	EA		Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan ..... Note: 115/208-230/60/1. Includes disconnect switch.	1,964.77	156.18
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0175	EA		13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan ..... Note: 115/208-230/60/1. Includes disconnect switch.	2,258.47	182.21
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0176	EA		13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan ..... Note: 115/208-230/60/1. Includes disconnect switch.	2,537.35	182.21
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0177	EA		13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan ..... Note: 115/208-230/60/1. Includes disconnect switch.	2,774.45	182.21
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0178	EA		16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan ..... Note: 115/208-230/60/1. Includes disconnect switch.	2,705.70	208.23
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0179	EA		16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan ..... Note: 115/208-230/60/1. Includes disconnect switch.	3,107.22	208.23
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0180	EA		24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan ..... Note: 115/208-230/60/1. Includes disconnect switch.	3,953.51	260.29
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0181	EA		24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan ..... Note: 230/460/60/3. Includes disconnect switch.	4,175.16	260.29
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0182	EA		24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan ..... Note: Belt drive. 230/460/60/3. Includes disconnect switch.	4,331.41	260.29
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0183	EA		30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan ..... Note: 230/460/60/3. Includes disconnect switch.	5,010.64	312.35
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0184	EA		30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan ..... Note: 230/460/60/3. Includes disconnect switch.	5,197.13	312.35
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0185	EA		30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan ..... Note: 230/460/60/3. Includes disconnect switch.	5,426.32	312.35
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0186			<b>In-Line Cabinet Fans</b> (23 34 16 00-0001)		
23 34 16 00-0187	EA		950 CFM, 80 Watt, Direct Drive In-Line Cabinet Fan.....	419.70	91.10
23 34 16 00-0188	EA		1,050 CFM, 129 Watt, Direct Drive In-Line Cabinet Fan.....	444.70	91.10
23 34 16 00-0189	EA		1,100 CFM, 173 Watt, Direct Drive In-Line Cabinet Fan.....	478.62	91.10
23 34 16 00-0190	EA		950 CFM, 48.7 Watt, Direct Drive In-Line Cabinet Fan.....	476.84	91.10
23 34 16 00-0191	EA		1,100 CFM, 52.5 Watt, Direct Drive In-Line Cabinet Fan.....	476.84	91.10
23 34 16 00-0192	EA		1,400 CFM, 100 Watt, Direct Drive In-Line Cabinet Fan.....	530.41	91.10
23 34 16 00-0193	EA		900 CFM, 48.2 Watt, Direct Drive In-Line Cabinet Fan.....	637.24	96.30
23 34 16 00-0194	EA		1,000 CFM, 82.7 Watt, Direct Drive In-Line Cabinet Fan.....	542.60	96.30
23 34 16 00-0195	EA		1,050 CFM, 80.7 Watt, Direct Drive In-Line Cabinet Fan.....	578.32	96.30
23 34 16 00-0196	EA		1,350 CFM, 140 Watt, Direct Drive In-Line Cabinet Fan.....	601.53	96.30
23 34 16 00-0197	EA		1,000 CFM, 135 Watt, Direct Drive In-Line Cabinet Fan.....	628.31	96.30
23 34 16 00-0198	EA		1,070 CFM, 217 Watt, Direct Drive In-Line Cabinet Fan.....	628.31	96.30
23 34 16 00-0199	EA		1,100 CFM, 350 Watt, Direct Drive In-Line Cabinet Fan.....	1,026.21	101.51
23 34 16 00-0200	EA		1,080 CFM, 325 Watt, Direct Drive In-Line Cabinet Fan.....	863.71	101.51
23 34 16 00-0201	EA		1,600 CFM, 405 Watt, Direct Drive In-Line Cabinet Fan.....	863.71	101.51
23 34 16 00-0202	EA		950 CFM, 328 Watt, Direct Drive In-Line Cabinet Fan.....	1,169.06	101.51
23 34 16 00-0203	EA		1,095 CFM, 455 Watt, Direct Drive In-Line Cabinet Fan.....	1,169.06	101.51
23 34 16 00-0204	EA		1,450 CFM, 822 Watt, Direct Drive In-Line Cabinet Fan.....	1,169.06	101.51
23 34 16 00-0205	EA		1,640 CFM, 830 Watt, Direct Drive In-Line Cabinet Fan.....	1,539.64	101.51
23 34 16 00-0206			<b>Downblast Centrifugal Exhaust Fans</b> (23 34 16 00-0001)		
23 34 16 00-0207	EA		293 To 768 CFM, 1/15 HP, 115 Volt, 1 Phase, 1300 RPM, Direct Drive, Downblast Exhaust Fan (Greenheck G-90-G) ..... Note: 17" x 17" Base	991.53	135.35
23 34 16 00-0208			<b>Propeller And Ceiling Fans</b> (23 34 16)		
23 34 16 00-0209			<b>Direct Drive, Sidewall Propeller Exhaust Fan</b> (23 34 16 00-0208) Note: Greenheck SE1.		
23 34 16 00-0210	EA		1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... Note: Includes motor side guard.	611.63	111.40
			<i>For Backdraft Damper, Add</i>	142.96	
			<i>For Wall Mount Collar, Add</i>	233.73	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 34 HVAC Fans**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0211	EA		1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... Note: Includes motor side guard.	648.54	123.90
			<i>For Backdraft Damper, Add</i>	154.05	
			<i>For Wall Mount Collar, Add</i>	233.73	
23 34 16 00-0212	EA		1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... Note: Includes motor side guard.	718.17	137.43
			<i>For Backdraft Damper, Add</i>	169.05	
			<i>For Wall Mount Collar, Add</i>	239.88	
23 34 16 00-0213	EA		1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... <i>For Backdraft Damper, Add</i>	1,044.61	152.01
			<i>For Wall Mount Collar, Add</i>	201.70	
			<i>For Motor Side Guard, Add</i>	244.33	
23 34 16 00-0214	EA		1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... <i>For Backdraft Damper, Add</i>	1,022.04	168.67
			<i>For Wall Mount Collar, Add</i>	201.70	
			<i>For Motor Side Guard, Add</i>	250.48	
23 34 16 00-0215	EA		1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... <i>For Backdraft Damper, Add</i>	1,148.37	187.41
			<i>For Wall Mount Collar, Add</i>	244.15	
			<i>For Motor Side Guard, Add</i>	256.62	
23 34 16 00-0216	EA		1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... <i>For Backdraft Damper, Add</i>	1,309.51	208.23
			<i>For Wall Mount Collar, Add</i>	244.15	
			<i>For Motor Side Guard, Add</i>	261.07	
				245.07	
<b>23 34 16 00-0217</b>			<b>Belt Drive Propeller Exhaust Fans</b> (23 34 16 00-0208)		
			Note: Wall shutter 1/8" static pressure, with birdscreen.		
23 34 16 00-0218	EA		24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter.....	2,368.94	297.77
23 34 16 00-0219	EA		30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter.....	2,711.94	346.71
23 34 16 00-0220	EA		36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter.....	3,071.99	416.47
23 34 16 00-0221	EA		42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter.....	4,288.78	520.58
23 34 16 00-0222	EA		48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter.....	5,102.32	694.45
23 34 16 00-0223	EA		54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter.....	7,072.20	1,041.16
23 34 16 00-0224	EA		60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter.....	8,472.30	1,334.76
<b>23 34 16 00-0225</b>			<b>Propeller Exhaust Fan Accessories</b> (23 34 16 00-0208)		
23 34 16 00-0226	SF		Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening).....	121.21	
23 34 16 00-0227	SF		Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening).....	280.14	
<b>23 34 16 00-0228</b>			<b>Reversible Ceiling Fans</b> (23 34 16 00-0208)		
<b>23 34 16 00-0229</b>			<b>4 Blade Ceiling Fans</b> (23 34 16 00-0228)		
23 34 16 00-0230	EA		42" 4-Blade Ceiling Fan, Three Speed..... <i>For Brass Plated Motor, Add</i> <i>For Light Kit, Add</i>	525.46 20.25 25.79	47.64
<b>23 34 16 00-0231</b>			<b>5 Blade Ceiling Fans</b> (23 34 16 00-0228)		
23 34 16 00-0232	EA		42" 5-Blade Ceiling Fan, Three Speed..... <i>For Brass Plated Motor, Add</i> <i>For Light Kit, Add</i>	576.54 20.25 25.84	117.89
23 34 16 00-0233	EA		52" 5-Blade Ceiling Fan, Three Speed..... <i>For Brass Plated Motor, Add</i> <i>For Light Kit, Add</i>	659.56 20.25 25.94	117.89
<b>23 34 16 00-0234</b>			<b>3 Blade Weatherproof Ceiling Fans</b> (23 34 16 00-0228)		
23 34 16 00-0235	EA		3-Blade Ceiling Fan, Weatherproof, Three Speed.....	568.21	51.54
<b>23 34 16 00-0236</b>			<b>Ceiling Fan Down Rod</b> (23 34 16 00-0228)		
23 34 16 00-0237	EA		1' Ceiling Fan Down Rod.....	20.21	
23 34 16 00-0238	EA		1-1/2' Ceiling Fan Down Rod.....	27.39	
23 34 16 00-0239	EA		2' Ceiling Fan Down Rod.....	30.98	
23 34 16 00-0240	EA		3' Ceiling Fan Down Rod.....	42.52	
23 34 16 00-0241	EA		4' Ceiling Fan Down Rod.....	49.88	
23 34 16 00-0242	EA		5' Ceiling Fan Down Rod.....	61.83	
23 34 16 00-0243	EA		6' Ceiling Fan Down Rod.....	77.99	
<b>23 34 16 00-0244</b>			<b>Exhaust Fans</b> (23 34 16)		
<b>23 34 16 00-0245</b>			<b>Exhaust Fans</b> (23 34 16 00-0244)		
			Note: Excludes ducting.		
<b>23 34 16 00-0246</b>			<b>Light Duty Exhaust Fans</b> (23 34 16 00-0245)		
<b>23 34 16 00-0247</b>			<b>Light Duty Exhaust Fans</b> (23 34 16 00-0246)		
23 34 16 00-0248	EA		50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670).....	128.45	38.50
23 34 16 00-0249	EA		70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671).....	137.05	38.50



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0250	EA			180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505).....	240.24	38.50
23 34 16 00-0251	EA			350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504).....	309.24	38.50
23 34 16 00-0252	EA			160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503).....	274.21	38.50
23 34 16 00-0253	EA			270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502).....	372.19	38.50
<b>23 34 16 00-0254</b>				<b>Light Duty Exhaust Fans With Lights</b> <small>(23 34 16 00-0246)</small>		
23 34 16 00-0255	EA			50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678).....	174.43	38.50
23 34 16 00-0256	EA			70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679).....	195.96	38.50
23 34 16 00-0257	EA			100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680).....	385.34	38.50
<b>23 34 16 00-0258</b>				<b>Light Duty Exhaust Fans With Heaters</b> <small>(23 34 16 00-0246)</small>		
23 34 16 00-0259	EA			70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162).....	179.09	38.50
23 34 16 00-0260	EA			70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658).....	297.17	38.50
<b>23 34 16 00-0261</b>				<b>Light Duty Exhaust Fans With Heaters And Lights</b> <small>(23 34 16 00-0246)</small>		
23 34 16 00-0262	EA			70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655).....	317.64	38.50
23 34 16 00-0263	EA			100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL).....	493.39	38.50
<b>23 34 16 00-0264</b>				<b>Heavy Duty/Continuous Operation Exhaust Fans</b> <small>(23 34 16 00-0245)</small>		
<b>23 34 16 00-0265</b>				<b>Heavy Duty/Continuous Operation Exhaust Fans</b> <small>(23 34 16 00-0264)</small>		
				Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0266	EA			50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50).....	211.61	38.50
23 34 16 00-0267	EA			80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80).....	236.29	38.50
23 34 16 00-0268	EA			109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG).....	449.89	38.50
23 34 16 00-0269	EA			157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG).....	461.33	38.50
23 34 16 00-0270	EA			210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG).....	496.93	38.50
23 34 16 00-0271	EA			259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG).....	519.68	38.50
23 34 16 00-0272	EA			308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG).....	528.49	38.50
23 34 16 00-0273	EA			434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400).....	607.95	38.50
23 34 16 00-0274	EA			514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500).....	695.60	38.50
23 34 16 00-0275	EA			701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700).....	745.52	38.50
23 34 16 00-0276	EA			901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900).....	891.36	38.50
23 34 16 00-0277	EA			1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500).....	1,151.16	38.50
<b>23 34 16 00-0278</b>				<b>Heavy Duty/Continuous Operation Kitchen Exhaust Fans</b> <small>(23 34 16 00-0264)</small>		
				Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0279	EA			308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG).....	467.99	38.50
23 34 16 00-0280	EA			434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K).....	689.04	38.50
23 34 16 00-0281	EA			514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K).....	729.98	38.50
<b>23 34 16 00-0282</b>				<b>Heavy Duty/Continuous Operation Exhaust Fans With Lights</b> <small>(23 34 16 00-0264)</small>		
23 34 16 00-0283	EA			50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L).....	231.82	38.50
23 34 16 00-0284	EA			80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L).....	255.00	38.50
<b>23 34 16 00-0285</b>				<b>Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans</b> <small>(23 34 16 00-0264)</small>		
23 34 16 00-0286	EA			50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF).....	242.00	38.50
23 34 16 00-0287	EA			80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF).....	257.34	38.50
23 34 16 00-0288	EA			110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF).....	264.74	38.50

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 34 HVAC Fans**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0289			<b>Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans</b> <small>(23 34 16 00-0245)</small>		
23 34 16 00-0290	EA		900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900) .....	1,237.41	38.50
23 34 16 00-0291	EA		1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050) .....	1,237.41	38.50
23 34 16 00-0292	EA		1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410) .....	1,237.41	38.50
23 34 16 00-0293	EA		1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550) .....	1,359.98	38.50
23 34 16 00-0294			<b>Room-To-Room Exhaust Fans</b> <small>(23 34 16 00-0245)</small>		
23 34 16 00-0295	EA		90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512) .....	168.63	38.50
23 34 16 00-0296	EA		180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511) .....	293.96	38.50
23 34 16 00-0297	EA		380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510) .....	339.63	38.50
23 34 16 00-0298			<b>Through-Wall Exhaust Fans</b> <small>(23 34 16 00-0245)</small>		
23 34 16 00-0299	EA		250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507) .....	315.75	38.50
23 34 16 00-0300	EA		470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506) .....	378.70	38.50
23 34 16 00-0301	EA		180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509) .....	272.47	38.50
23 34 16 00-0302	EA		270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508) .....	372.19	38.50
23 34 16 00-0303	EA		360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C) .....	667.38	38.50
23 34 16 00-0304			<b>Exhaust Fan Accessories</b> <small>(23 34 16 00-0245)</small>		
23 34 16 00-0305			<b>Exhaust Fan Controls</b> <small>(23 34 16 00-0304)</small>		
23 34 16 00-0306	EA		Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57) .....	171.84	24.06
23 34 16 00-0307	EA		60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59).....	116.17	24.06
23 34 16 00-0308	EA		60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61) .....	117.49	24.06
23 34 16 00-0309			<b>Roof And Wall Caps For Exhaust Fans</b> <small>(23 34 16 00-0304)</small>		
23 34 16 00-0310			<b>Wall Caps For Exhaust Fans</b> <small>(23 34 16 00-0309)</small>		
23 34 16 00-0311	EA		Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613) .....	285.00	56.52
23 34 16 00-0312	EA		Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643) .....	289.39	56.52
23 34 16 00-0313			<b>Roof Caps For Exhaust Fans</b> <small>(23 34 16 00-0309)</small>		
			Note: Includes flashing and built in bird screen.		
23 34 16 00-0314	EA		Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611) .....	239.77	56.52
23 34 16 00-0315	EA		Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612) .....	353.59	56.52
23 34 16 00-0316	EA		CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636) .....	152.27	56.52
23 34 16 00-0317	EA		CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634) .....	186.42	56.52
23 34 16 00-0318			<b>Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan</b> <small>(23 34 16 00-0245)</small>		
			Note: Includes storage and cleaning.		
23 34 16 00-0319	EA		Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan .....	78.08	
23 34 16 00-0320			<b>Corrosion Proof Coated Explosion Proof Fans</b> <small>(23 34 16)</small>		
23 34 16 00-0321	EA		1,200 CFM, 1/4 HP, 480 Volt, 3 Phase Centrifugal Fan, Explosion Proof Motor, Backdraft .....	1,968.97	221.25
23 34 16 00-0322	EA		6,500 CFM, 1 HP, 480 Volt, 3 Phase Centrifugal Fan, Explosion Proof Motor, Backdraft .....	6,784.15	415.73
<b>23 34 23</b>			<b>HVAC Power Ventilators</b> <small>(23 34)</small>		
23 34 23 00-0001			<b>Power Roof Ventilators</b> <small>(23 34 23)</small>		
23 34 23 00-0002			<b>Direct Drive, Aluminum, Centrifugal Roof Exhausters</b> <small>(23 34 23 00-0001)</small>		
			Note: Greenheck G.		
23 34 23 00-0003	EA		1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	618.75	148.89
			Note: Three speed motor.		
			For 12" Roof Curb, Add	189.23	
			For Backdraft Damper, Add	116.80	
			For Solid State Speed Control, Add	97.82	
			For Damper Motor, Add	202.30	
23 34 23 00-0004	EA		1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	677.73	168.67
			Note: Three speed motor.		
			For 12" Roof Curb, Add	189.23	
			For Backdraft Damper, Add	116.80	
			For Solid State Speed Control, Add	97.82	
			For Damper Motor, Add	202.30	
23 34 23 00-0005	EA		1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	976.27	196.78
			For 12" Roof Curb, Add	194.34	
			For Backdraft Damper, Add	125.92	
			For Solid State Speed Control, Add	97.82	
			For Damper Motor, Add	202.30	
23 34 23 00-0006	EA		1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	1,004.74	221.76
			For 12" Roof Curb, Add	194.34	
			For Backdraft Damper, Add	125.92	
			For Solid State Speed Control, Add	97.82	
			For Damper Motor, Add	202.30	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0007 EA 1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster ..... <i>For Solid State Speed Control, Add</i> <i>For Damper Motor, Add</i>	1,293.93 97.82 202.30	244.67
23 34 23 00-0008 EA 1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster ..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Solid State Speed Control, Add</i> <i>For Damper Motor, Add</i>	1,467.31 202.85 142.89 150.60 202.30	260.29
<b>23 34 23 00-0009 Belt Drive, Aluminum, Centrifugal Roof Exhausters</b> <small>(23 34 23 00-0001)</small> Note: Greenheck GB.		
23 34 23 00-0010 EA 1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	1,423.16 194.34 125.92 202.30	221.76
23 34 23 00-0011 EA 1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	1,553.85 202.85 142.89 202.30	282.16
23 34 23 00-0012 EA 1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	2,114.68 202.85 142.89 202.30	336.30
23 34 23 00-0013 EA 3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	2,700.19 243.71 177.51 202.30	416.47
23 34 23 00-0014 EA 1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	3,568.63 262.44 192.51 202.30	520.58
23 34 23 00-0015 EA 1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	4,912.45 291.39 213.40 202.30	650.72
23 34 23 00-0016 EA 2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	4,953.31 291.39 213.40 202.30	650.72
23 34 23 00-0017 EA 3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	5,394.26 291.39 213.40 202.30	650.72
23 34 23 00-0018 EA 5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	5,175.37 291.39 213.40 202.30	650.72
<b>23 34 23 00-0019 Propeller Exhaust Fans, Roof Mounted Upblast</b> <small>(23 34 23 00-0001)</small> Note: Includes back draft damper and birdscreen and curb.		
23 34 23 00-0020 EA 30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure .....	8,089.15	800.65
23 34 23 00-0021 EA 36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure .....	13,336.04	1,040.85
<b>23 34 23 00-0022 Belt Drive Supply Fans</b> <small>(23 34 23 00-0001)</small>		
23 34 23 00-0023 EA 4,500 CFM, 24" x 24" Supply Fan, Roof Mounted .....	3,166.99	415.73
23 34 23 00-0024 EA 10,000 CFM, 36" x 36" Supply Fan, Roof Mounted .....	4,292.41	520.48
<b>23 34 23 00-0025 Fan Thermostat</b> <small>(23 34 23 00-0001)</small>		
23 34 23 00-0026 EA 50 To 120 Degree Line Voltage Fan Thermostat.....	130.19	
<b>23 34 23 00-0027 Power Wall Ventilators</b> <small>(23 34 23)</small>		
<b>23 34 23 00-0028 Centrifugal Sidewall Exhausters</b> <small>(23 34 23 00-0027)</small>		
<b>23 34 23 00-0029 Direct Drive, Aluminum, Centrifugal Sidewall Exhauster</b> <small>(23 34 23 00-0028)</small> Note: Greenheck CW.		
23 34 23 00-0030 EA 1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster ..... <i>For Solid State Speed Control, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i> <i>For Interior Wall Grill, Add</i>	806.11 150.60 157.36 340.19 112.56	167.62
23 34 23 00-0031 EA 1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster ..... <i>For Solid State Speed Control, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i> <i>For Interior Wall Grill, Add</i>	924.42 150.60 174.32 340.19 134.03	196.78

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0032 EA 1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster .....	1,394.30	221.76
For Solid State Speed Control, Add	150.60	
For Backdraft Damper, Add	197.17	
For Damper Motor, Add	340.19	
For Interior Wall Grill, Add	155.51	
<b>23 34 23 00-0033 Belt Drive, Aluminum, Centrifugal Sidewall Exhausters (23 34 23 00-0028)</b>		
Note: Greenheck CWB.		
23 34 23 00-0034 EA 1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster .....	2,114.67	125.21
For Solid State Speed Control, Add	150.60	
For Backdraft Damper, Add	183.92	
For Damper Motor, Add	340.19	
For Interior Wall Grill, Add	236.56	
23 34 23 00-0035 EA 1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster .....	2,234.78	141.01
For Solid State Speed Control, Add	150.60	
For Backdraft Damper, Add	183.92	
For Damper Motor, Add	340.19	
For Interior Wall Grill, Add	236.56	
23 34 23 00-0036 EA 3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster .....	2,743.59	161.31
For Solid State Speed Control, Add	150.60	
For Backdraft Damper, Add	229.77	
For Damper Motor, Add	340.19	
For Interior Wall Grill, Add	275.05	
<b>23 34 33 Air Curtains (23 34)</b>		
<b>23 34 33 00-0001 Unheated Air Curtains For Entrances (23 34 33)</b>		
<b>23 34 33 00-0002 Unheated Air Curtains, Standard Velocity (23 34 33 00-0001)</b>		
23 34 33 00-0003 EA Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated.....	2,197.08	763.17
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	529.13	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	393.07	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	604.72	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0004 EA Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated.....	2,227.67	763.17
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	529.13	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	393.07	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	604.72	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0005 EA Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated.....	2,260.82	763.17
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	529.13	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	393.07	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	604.72	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0006 EA Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated.....	2,808.98	763.17
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	529.13	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	393.07	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	604.72	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0007 EA Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated.....	3,188.23	916.21
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	529.13	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	393.07	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	604.72	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0008 EA Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated.....	3,379.45	916.21
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	194.38	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	529.13	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	393.07	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	604.72	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	
23 34 33 00-0009 EA Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated.....	3,745.99	1,056.78
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	194.38	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	529.13	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	393.07	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	604.72	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	
23 34 33 00-0010 EA Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated.....	4,509.60	1,056.78
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	194.38	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	529.13	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	393.07	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	604.72	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	
23 34 33 00-0011 EA Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated.....	4,606.48	1,056.78
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	194.38	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	529.13	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	393.07	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	604.72	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	
23 34 33 00-0012 EA Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated.....	4,863.99	1,056.78
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	194.38	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	529.13	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	393.07	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	604.72	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	
<b>23 34 33 00-0013 Unheated Air Curtains, High Velocity</b> <small>(23 34 33 00-0001)</small>		
23 34 33 00-0014 EA High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated.....	2,704.45	763.17
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	194.38	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	297.16	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	
23 34 33 00-0015 EA High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated.....	2,743.97	763.17
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	194.38	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	297.16	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	
23 34 33 00-0016 EA High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated.....	2,760.54	763.17
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	194.38	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	297.16	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	
23 34 33 00-0017 EA High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated.....	2,792.41	763.17
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	194.38	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	297.16	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0018 EA High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated.....	4,350.85	916.21
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	297.16	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0019 EA High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated.....	4,547.16	916.21
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	297.16	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0020 EA High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated.....	4,841.05	1,056.78
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	297.16	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0021 EA High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated.....	5,520.52	1,056.78
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	297.16	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0022 EA High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated.....	5,591.90	1,056.78
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	297.16	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0023 EA High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated.....	5,869.81	1,056.78
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	297.16	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
<b>23 34 33 00-0024 Service Window Unheated Air Curtains (23 34 33 00-0001)</b>		
Note: Normal window sizes.		
23 34 33 00-0025 EA Air Curtain For 2.5' x 5' Service Window, Unheated.....	2,057.86	601.79
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
<b>23 34 33 00-0026 Heated Air Curtains For Entrances (23 34 33)</b>		
Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027 EA 60" Heated Air Curtain With 1- 300 MBH Heater.....	3,726.61	672.07
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0028 EA 60" Heated Air Curtain With 1- 400 MBH Heater.....	4,044.23	672.07
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0029 EA 72" Heated Air Curtain With 1- 350 MBH Heater.....	4,471.27	806.38
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0030	EA		72" Heated Air Curtain With 2- 250 MBH Heaters ..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,852.41 194.38 148.58 297.16 356.59 376.40	806.38
23 34 33 00-0031	EA		96" Heated Air Curtain With 1- 400 MBH Heater ..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,960.80 194.38 148.58 297.16 356.59 376.40	1,075.00
23 34 33 00-0032	EA		96" Heated Air Curtain With 2- 350 MBH Heaters ..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	6,468.99 194.38 148.58 297.16 356.59 376.40	1,075.00
23 34 33 00-0033	EA		117" Heated Air Curtain With 2- 300 MBH Heaters ..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	7,263.79 194.38 148.58 297.16 356.59 376.40	1,309.77
23 34 33 00-0034	EA		117" Heated Air Curtain With 2- 400 MBH Heaters ..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	7,883.14 194.38 148.58 297.16 356.59 376.40	1,309.77
23 34 33 00-0035	EA		147" Heated Air Curtain With 2- 350 MBH Heaters ..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	9,126.88 194.38 148.58 297.16 356.59 376.40	1,645.54
23 34 33 00-0036	EA		147" Heated Air Curtain With 3- 350 MBH Heaters ..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	10,667.33 194.38 148.58 297.16 356.59 376.40	1,645.54
23 34 33 00-0037	EA		168" Heated Air Curtain With 2- 400 MBH Heaters ..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	10,431.41 194.38 148.58 297.16 356.59 376.40	1,880.85
23 34 33 00-0038	EA		168" Heated Air Curtain With 3- 400 MBH Heaters ..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	12,191.54 194.38 148.58 297.16 356.59 376.40	1,880.85
23 34 33 00-0039	EA		192" Heated Air Curtain With 2- 400 MBH Heaters ..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	11,918.05 194.38 148.58 297.16 356.59 376.40	2,149.46
23 34 33 00-0040	EA		192" Heated Air Curtain With 4- 350 MBH Heaters ..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	13,929.64 194.38 148.58 297.16 356.59 376.40	2,149.46

23 35 Special Exhaust Systems (23 30)

See CSI section 23 31 13 16-0075 for spiral duct/piping.

23 35 13 Dust Collection Systems (23 35)

23 35 13 13 Sawdust Collection Systems (23 35 13)

23 35 13 13-0001 Dust Collector System (23 35 13 13)

23 35 13 13-0002	EA		1.5 HP Dust Collector Central Vacuum Unit ..... Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	4,267.14	902.44
23 35 13 13-0003	EA		2 HP Dust Collector Central Vacuum Unit ..... Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	4,775.66	1,071.65
23 35 13 13-0004	EA		2-1/2 HP Dust Collector Central Vacuum Unit ..... Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	5,744.20	1,240.85
23 35 13 13-0005	EA		3 HP Dust Collector Central Vacuum Unit ..... Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	6,544.80	1,466.47
23 35 13 13-0006	EA		5 HP Dust Collector Central Vacuum Unit ..... Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	13,975.24	1,665.00

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 35 Special Exhaust Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13-0007 EA 7-1/2 HP Dust Collector Central Vacuum Unit ..... Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	16,965.74	1,942.50
23 35 13 13-0008 EA 10 HP Dust Collector Central Vacuum Unit ..... Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	19,434.34	2,220.00
23 35 13 13-0009 EA 15 HP Dust Collector Central Vacuum Unit ..... Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	21,845.26	2,553.00
23 35 13 13-0010 EA 20 HP Dust Collector Central Vacuum Unit ..... Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	24,371.16	2,886.00
<b>23 35 13 13-0011 Vacuum Tubing And Accessories</b> (23 35 13 13)		
<b>23 35 13 13-0012 Vacuum Tubing</b> (23 35 13 13-0011)		
<b>23 35 13 13-0013 Flexible Hose</b> (23 35 13 13-0012)		
23 35 13 13-0014 LF 2" Flexible Hose.....	12.15	1.87
23 35 13 13-0015 LF 3" Flexible Hose.....	14.57	2.09
23 35 13 13-0016 LF 4" Flexible Hose.....	15.82	2.29
<b>23 35 13 13-0017 Galvanized Vacuum Tubing</b> (23 35 13 13-0012)		
23 35 13 13-0018 LF 2-1/8" Outside Diameter Vacuum Tubing, Galvanized.....	9.63	1.87
23 35 13 13-0019 LF 2-1/2" Outside Diameter Vacuum Tubing, Galvanized.....	10.78	1.98
23 35 13 13-0020 LF 3" Outside Diameter Vacuum Tubing, Galvanized.....	12.80	2.09
23 35 13 13-0021 LF 3-1/2" Outside Diameter Vacuum Tubing, Galvanized.....	16.62	2.19
23 35 13 13-0022 LF 4" Outside Diameter Vacuum Tubing, Galvanized.....	17.10	2.29
23 35 13 13-0023 LF 5" Outside Diameter Vacuum Tubing, Galvanized.....	28.19	2.60
23 35 13 13-0024 LF 6" Outside Diameter Vacuum Tubing, Galvanized.....	31.78	3.02
23 35 13 13-0025 LF 8" Outside Diameter Vacuum Tubing, Galvanized.....	43.00	4.16
23 35 13 13-0026 LF 10" Outside Diameter Vacuum Tubing, Galvanized.....	50.40	5.21
23 35 13 13-0027 LF 12" Outside Diameter Vacuum Tubing, Galvanized.....	125.09	6.87
<b>23 35 13 13-0028 Vacuum Fittings, Galvanized</b> (23 35 13 13-0011)		
<b>23 35 13 13-0029 90 Degree Elbow</b> (23 35 13 13-0028)		
23 35 13 13-0030 EA 2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	48.60	11.97
23 35 13 13-0031 EA 2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	59.93	12.81
23 35 13 13-0032 EA 3" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	74.51	13.95
23 35 13 13-0033 EA 3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	87.77	15.10
23 35 13 13-0034 EA 4" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	104.43	16.66
23 35 13 13-0035 EA 5" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	171.67	18.53
23 35 13 13-0036 EA 6" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	227.47	20.82
23 35 13 13-0037 EA 8" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	407.26	27.79
<b>23 35 13 13-0038 45 Degree Elbow</b> (23 35 13 13-0028)		
23 35 13 13-0039 EA 2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	45.61	11.97
23 35 13 13-0040 EA 2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	57.46	12.81
23 35 13 13-0041 EA 3" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	66.22	13.95
23 35 13 13-0042 EA 3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	78.43	15.10
23 35 13 13-0043 EA 4" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	95.79	16.66
23 35 13 13-0044 EA 5" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	141.71	18.53
23 35 13 13-0045 EA 6" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	183.41	20.82
23 35 13 13-0046 EA 8" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	333.24	27.79
<b>23 35 13 13-0047 Wye</b> (23 35 13 13-0028)		
23 35 13 13-0048 EA 2-1/8" Wye, Vacuum Tubing, Galvanized.....	87.98	19.78
23 35 13 13-0049 EA 2-1/2" Wye, Vacuum Tubing, Galvanized.....	105.36	21.34
23 35 13 13-0050 EA 3" Wye, Vacuum Tubing, Galvanized.....	128.17	22.91
23 35 13 13-0051 EA 3-1/2" Wye, Vacuum Tubing, Galvanized.....	155.40	25.51
23 35 13 13-0052 EA 4" Wye, Vacuum Tubing, Galvanized.....	206.32	27.59
23 35 13 13-0053 EA 5" Wye, Vacuum Tubing, Galvanized.....	346.60	30.72
23 35 13 13-0054 EA 6" Wye, Vacuum Tubing, Galvanized.....	458.47	34.88
23 35 13 13-0055 EA 8" Wye, Vacuum Tubing, Galvanized.....	901.94	38.00
23 35 13 13-0056 EA 10" Wye, Vacuum Tubing, Galvanized.....	1,247.72	41.64
23 35 13 13-0057 EA 12" Wye, Vacuum Tubing, Galvanized.....	1,575.52	46.64
<b>23 35 13 13-0058 Reducer</b> (23 35 13 13-0028)		
23 35 13 13-0059 EA 3" Reducer, Vacuum Tubing, Galvanized.....	50.35	13.95
23 35 13 13-0060 EA 4" Reducer, Vacuum Tubing, Galvanized.....	55.95	15.10
23 35 13 13-0061 EA 5" Reducer, Vacuum Tubing, Galvanized.....	70.39	16.66
23 35 13 13-0062 EA 6" Reducer, Vacuum Tubing, Galvanized.....	75.99	18.53
23 35 13 13-0063 EA 8" Reducer, Vacuum Tubing, Galvanized.....	88.81	20.82
<b>23 35 13 13-0064 Air Gate Valve, Galvanized</b> (23 35 13 13-0011)		
23 35 13 13-0065 EA 2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized.....	340.43	27.79
23 35 13 13-0066 EA 2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized.....	356.67	29.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13-0067 EA 3" Air Gate Valve, Vacuum Tubing, Galvanized .....	409.53	31.97
23 35 13 13-0068 EA 3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized .....	466.25	34.15
23 35 13 13-0069 EA 4" Air Gate Valve, Vacuum Tubing, Galvanized .....	525.40	36.23
23 35 13 13-0070 EA 5" Air Gate Valve, Vacuum Tubing, Galvanized .....	620.25	41.33
23 35 13 13-0071 EA 6" Air Gate Valve, Vacuum Tubing, Galvanized .....	714.20	46.33
<b>23 35 16 Engine Exhaust Systems (23 35)</b>		
<b>23 35 16 16 Mechanical Engine Exhaust Systems (23 35 16)</b>		
23 35 16 16-0001 Overhead Tailpipe Exhaust System (23 35 16 16)		
23 35 16 16-0002 Overhead Tailpipe Exhaust Blowers (23 35 16 16-0001)		
23 35 16 16-0003 Overhead Direct Drive Tailpipe Exhaust Blowers (23 35 16 16-0002)		
23 35 16 16-0004 EA 495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	3,574.86	221.76
23 35 16 16-0005 EA 1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	4,093.30	452.91
23 35 16 16-0006 EA 1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System .....	5,715.51	548.69
23 35 16 16-0007 Overhead Belt Drive Tailpipe Exhaust Blowers (23 35 16 16-0002)		
23 35 16 16-0008 EA 1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	3,977.03	452.91
23 35 16 16-0009 EA 2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System .....	4,221.94	548.69
23 35 16 16-0010 EA 2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	5,006.34	868.32
23 35 16 16-0011 EA 4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	6,113.91	1,120.29
23 35 16 16-0012 EA 7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	7,744.41	1,334.76
23 35 16 16-0013 Spiral Exhaust Duct Accessories (23 35 16 16-0001)		
23 35 16 16-0014 Flex Hose x Length (23 35 16 16-0013)		
Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0015 EA 3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	153.47	55.19
23 35 16 16-0016 EA 3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	133.44	55.19
23 35 16 16-0017 EA 4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	236.16	87.46
23 35 16 16-0018 EA 4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	202.69	87.46
23 35 16 16-0019 EA 5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	339.48	138.47
23 35 16 16-0020 EA 5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	327.50	138.47
23 35 16 16-0021 EA 6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	521.06	219.69
23 35 16 16-0022 EA 6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	495.86	219.69
23 35 16 16-0023 Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter (23 35 16 16-0013)		
23 35 16 16-0024 EA 4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	169.44	55.19
23 35 16 16-0025 EA 5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	247.82	87.46
23 35 16 16-0026 EA 4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	146.37	55.19
23 35 16 16-0027 EA 5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	213.59	87.46
23 35 16 16-0028 EA 6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	1,231.35	74.33
23 35 16 16-0029 EA 8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	1,096.85	136.39
23 35 16 16-0030 EA 10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	1,205.33	136.39
23 35 16 16-0031 LF 8" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	58.70	10.62
23 35 16 16-0032 LF 10" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	65.37	10.62
23 35 16 16-0033 Flexible Hose (23 35 16 16-0013)		
23 35 16 16-0034 LF 3" Stainless Steel Flexible Tubing.....	34.27	2.60
23 35 16 16-0035 LF 4" Stainless Steel Flexible Tubing.....	43.56	2.91
23 35 16 16-0036 LF 5" Stainless Steel Flexible Tubing.....	51.72	3.02
23 35 16 16-0037 LF 6" Stainless Steel Flexible Tubing.....	61.00	3.22
23 35 16 16-0038 LF 3" Galvanized Flexible Tubing .....	21.44	2.60
23 35 16 16-0039 LF 4" Galvanized Flexible Tubing .....	25.18	2.91
23 35 16 16-0040 LF 5" Galvanized Flexible Tubing .....	28.90	3.02
23 35 16 16-0041 LF 6" Galvanized Flexible Tubing .....	32.25	3.22
23 35 16 16-0042 Accessories (23 35 16 16-0001)		
23 35 16 16-0043 EA 3" Tail Pipe Adapter .....	48.73	7.81
23 35 16 16-0044 EA 4" Tail Pipe Adapter .....	50.05	7.81
23 35 16 16-0045 EA 5" Tail Pipe Adapter .....	53.46	8.85
23 35 16 16-0046 EA 3" Bullnose (Guide).....	27.33	5.21
23 35 16 16-0047 EA 4" Bullnose (Guide).....	29.11	5.72
23 35 16 16-0048 EA 5" Bullnose (Guide).....	31.12	6.25
23 35 16 16-0049 EA Flex-Hose Winch And Associated Hardware .....	207.18	59.04
23 35 16 16-0050 LF Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope .....	0.11	
<b>23 35 19 Fume Exhaust Systems (23 35)</b>		
23 35 19 00-0001 EA Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle.....	2,465.35	416.15
23 35 19 00-0002 EA Hose Extension Kit 5'.....	388.94	92.45

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 35 Special Exhaust Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**23 36 Air Terminal Units** (23 30)**23 36 13 Constant-Air-Volume Units** (23 36)**23 36 13 00-0001 Vertical Units, With Electric Heating Coils** (23 36 13)

23 36 13 00-0002	EA	60 CFM Vertical Induction Unit, With Electric Heating Coils .....	1,418.58	136.17
23 36 13 00-0003	EA	90 CFM Vertical Induction Unit, With Electric Heating Coils .....	1,704.11	146.64
23 36 13 00-0004	EA	120 CFM Vertical Induction Unit, With Electric Heating Coils .....	1,817.41	151.88
23 36 13 00-0005	EA	150 CFM Vertical Induction Unit, With Electric Heating Coils .....	1,941.18	162.35
23 36 13 00-0006	EA	175 CFM Vertical Induction Unit, With Electric Heating Coils .....	2,187.52	167.59

**23 36 13 00-0007 Horizontal Units, With Electric Heating Coils** (23 36 13)

23 36 13 00-0008	EA	60 CFM Horizontal Induction Unit, With Electric Heating Coils .....	1,207.03	136.17
23 36 13 00-0009	EA	90 CFM Horizontal Induction Unit, With Electric Heating Coils .....	1,439.53	146.64
23 36 13 00-0010	EA	120 CFM Horizontal Induction Unit, With Electric Heating Coils .....	1,714.75	154.50

**23 36 13 00-0011 Duct Boxes, Constant Volume Control** (23 36 13)**23 36 13 00-0012 Single Duct Boxes, Constant Volume Control** (23 36 13 00-0011)

23 36 13 00-0013	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control .....	1,288.32	42.86
		<i>For Boxes With Motor, Add</i>	223.82	
23 36 13 00-0014	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control .....	1,426.01	46.25
		<i>For Boxes With Motor, Add</i>	248.28	
23 36 13 00-0015	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control .....	1,481.16	50.76
		<i>For Boxes With Motor, Add</i>	255.62	
23 36 13 00-0016	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control .....	1,507.96	53.02
		<i>For Boxes With Motor, Add</i>	259.29	
23 36 13 00-0017	EA	12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control .....	1,529.84	58.66
		<i>For Boxes With Motor, Add</i>	259.29	
23 36 13 00-0018	EA	14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control .....	1,749.73	65.43
		<i>For Boxes With Motor, Add</i>	297.21	
23 36 13 00-0019	EA	16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control .....	1,835.34	73.32
		<i>For Boxes With Motor, Add</i>	308.21	
23 36 13 00-0020	EA	20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control .....	1,946.73	87.99
		<i>For Boxes With Motor, Add</i>	319.33	
23 36 13 00-0021	EA	24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control .....	2,057.24	101.53
		<i>For Boxes With Motor, Add</i>	330.23	

**23 36 13 00-0022 Dual Duct Boxes, Constant Volume Control** (23 36 13 00-0011)

23 36 13 00-0023	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control .....	1,814.79	42.86
		<i>For Boxes With Motor, Add</i>	329.12	
23 36 13 00-0024	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control .....	1,941.26	46.25
		<i>For Boxes With Motor, Add</i>	351.33	
23 36 13 00-0025	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control .....	2,025.68	50.76
		<i>For Boxes With Motor, Add</i>	364.53	
23 36 13 00-0026	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control .....	2,110.52	53.02
		<i>For Boxes With Motor, Add</i>	379.80	
23 36 13 00-0027	EA	12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control .....	2,132.40	58.66
		<i>For Boxes With Motor, Add</i>	379.80	
23 36 13 00-0028	EA	14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control .....	2,450.86	66.56
		<i>For Boxes With Motor, Add</i>	437.43	
23 36 13 00-0029	EA	16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control .....	2,679.15	73.32
		<i>For Boxes With Motor, Add</i>	477.01	
23 36 13 00-0030	EA	20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control .....	2,884.41	87.99
		<i>For Boxes With Motor, Add</i>	506.87	
23 36 13 00-0031	EA	24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control .....	3,009.86	101.53
		<i>For Boxes With Motor, Add</i>	520.75	

**23 36 16 Variable-Air-Volume Units** (23 36)**23 36 16 00-0001 Variable Volume Terminal Unit** (23 36 16)

Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.

**23 36 16 00-0002 Single Duct Variable Volume Terminal Unit** (23 36 16 00-0001)

Note: Enclosure only. For mounting DDC controls.

23 36 16 00-0003	EA	6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only .....	555.86	51.89
		Note: For mounting DDC controls		
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0004	EA	8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only .....	621.86	58.66
		Note: For mounting DDC controls		
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0005	EA	10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only .....	692.12	65.43
		Note: For mounting DDC controls		
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0006	EA	12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only .....	738.20	73.32
		Note: For mounting DDC controls		
		<i>For Filters And Frames, Add</i>	6.30	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0007 EA 14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only ..... Note: For mounting DDC controls For Filters And Frames, Add	1,018.88 6.30	157.82
23 36 16 00-0008 EA 16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only ..... Note: For mounting DDC controls For Filters And Frames, Add	1,225.72 6.30	187.26
<b>23 36 16 00-0009 Single Duct Variable Volume Terminal Unit</b> <small>(23 36 16 00-0001)</small> Note: With pneumatic controls.		
23 36 16 00-0010 EA 6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller ..... For Fan Powered Variable Air Volume Box, Add For Hot Water Coils, Add For Pressure Independent Actuator, Add For Filters And Frames, Add	1,170.93 1,243.57 391.68 67.57 6.30	51.89
23 36 16 00-0011 EA 8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller ..... For Fan Powered Variable Air Volume Box, Add For Hot Water Coils, Add For Pressure Independent Actuator, Add For Filters And Frames, Add	1,265.80 1,331.82 418.69 67.57 6.30	58.66
23 36 16 00-0012 EA 10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller ..... For Fan Powered Variable Air Volume Box, Add For Hot Water Coils, Add For Pressure Independent Actuator, Add For Filters And Frames, Add	1,324.96 1,373.26 430.39 67.57 6.30	65.43
23 36 16 00-0013 EA 12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller ..... For Fan Powered Variable Air Volume Box, Add For Hot Water Coils, Add For Pressure Independent Actuator, Add For Filters And Frames, Add	1,382.13 1,411.95 441.20 67.57 6.30	73.32
23 36 16 00-0014 EA 14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller ..... For Fan Powered Variable Air Volume Box, Add For Hot Water Coils, Add For Pressure Independent Actuator, Add For Filters And Frames, Add	1,602.86 1,584.39 491.62 67.57 6.30	157.82
23 36 16 00-0015 EA 16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller ..... For Fan Powered Variable Air Volume Box, Add For Hot Water Coils, Add For Pressure Independent Actuator, Add For Filters And Frames, Add	1,858.56 1,717.72 524.94 67.57 6.30	187.26
<b>23 36 16 00-0016 Single Duct Variable Volume Terminal Unit</b> <small>(23 36 16 00-0001)</small> Note: With analog electronic controls.		
23 36 16 00-0017 EA 6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls ..... For Hot Water Coils, Add For Filters And Frames, Add	1,936.99 702.31 6.30	51.89
23 36 16 00-0018 EA 8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls ..... For Hot Water Coils, Add For Filters And Frames, Add	2,014.10 722.12 6.30	58.66
23 36 16 00-0019 EA 10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls ..... For Hot Water Coils, Add For Filters And Frames, Add	2,084.36 738.33 6.30	65.43
23 36 16 00-0020 EA 12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls ..... For Hot Water Coils, Add For Filters And Frames, Add	2,183.73 766.24 6.30	73.32
23 36 16 00-0021 EA 14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls ..... For Hot Water Coils, Add For Filters And Frames, Add	2,406.67 817.57 6.30	157.82
23 36 16 00-0022 EA 16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls ..... For Hot Water Coils, Add For Filters And Frames, Add	2,451.08 835.57 6.30	157.82
<b>23 36 16 00-0023 Dual Duct Variable Volume Terminal Unit</b> <small>(23 36 16 00-0001)</small> Note: With flow control installation, plenum system power box, thermostat.		
23 36 16 00-0024 EA 6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct ..... For Filters And Frames, Add	1,326.46 6.30	102.54
23 36 16 00-0025 EA 8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct ..... For Filters And Frames, Add	1,450.27 6.30	116.76
23 36 16 00-0026 EA 10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct ..... For Filters And Frames, Add	1,552.17 6.30	131.87
23 36 16 00-0027 EA 12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct ..... For Filters And Frames, Add	1,702.04 6.30	147.10
23 36 16 00-0028 EA 14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct ..... For Filters And Frames, Add	1,913.21 6.30	169.21
23 36 16 00-0029 EA 16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct ..... For Filters And Frames, Add	2,100.19 6.30	203.05
<b>23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)</b> <small>(23 36 16 00-0001)</small>		
23 36 16 00-0031 EA 0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A) ..... For Filters And Frames, Add	576.53 6.30	70.51

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 36 Air Terminal Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0032	EA	0	To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B).....	625.36	77.55
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0033	EA	0	To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C).....	675.62	84.60
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0034	EA	0	To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D).....	727.41	91.65
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0035	EA	0	To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E).....	780.89	98.70
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0036	EA	0	To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F).....	836.11	105.76
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0037	EA	0	To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G).....	898.08	112.81
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0038	EA	0	To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H).....	957.56	119.86
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0039	EA	0	To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J).....	1,019.25	126.90
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0040	EA	0	To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K).....	1,083.25	133.95
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0041	EA	0	To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L).....	1,149.78	141.01
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0042	EA	0	To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M).....	1,218.98	148.06
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0043	EA	0	To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N).....	1,291.05	155.11
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0044	EA	0	To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P).....	1,359.55	162.16
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0045	EA	0	To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R).....	1,437.51	169.21
			<i>For Filters And Frames, Add</i>	6.30	

**23 37 Air Outlets and Inlets** (23 30)**23 37 13 Diffusers, Registers, and Grilles** (23 37)**23 37 13 13 Diffusers, Registers, and Grilles** (23 37 13)**23 37 13 13-0001 Ceiling Diffusers** (23 37 13 13)**23 37 13 13-0002 Ceiling Diffusers With Perforated Face** (23 37 13 13-0001)

Note: Flush mount, aluminum construction, includes damper.

23 37 13 13-0003	EA	6" x 6"	Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	113.13	14.67
			<i>For Steel Construction, Deduct</i>	-8.27	
			<i>For Surface Mount, Deduct</i>	-6.61	
			<i>For Diffuser Without Damper, Deduct</i>	-11.02	
			<i>For Stainless Steel, Add</i>	137.78	
23 37 13 13-0004	EA	8" x 8"	Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	125.38	14.67
			<i>For Steel Construction, Deduct</i>	-10.10	
			<i>For Surface Mount, Deduct</i>	-8.08	
			<i>For Diffuser Without Damper, Deduct</i>	-13.47	
			<i>For Stainless Steel, Add</i>	168.40	
23 37 13 13-0005	EA	9" x 9"	Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	125.38	14.67
			<i>For Steel Construction, Deduct</i>	-10.10	
			<i>For Surface Mount, Deduct</i>	-8.08	
			<i>For Diffuser Without Damper, Deduct</i>	-13.47	
			<i>For Stainless Steel, Add</i>	168.40	
23 37 13 13-0006	EA	10" x 10"	Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	150.64	18.05
			<i>For Steel Construction, Deduct</i>	-12.09	
			<i>For Surface Mount, Deduct</i>	-9.68	
			<i>For Diffuser Without Damper, Deduct</i>	-16.13	
			<i>For Stainless Steel, Add</i>	201.58	
23 37 13 13-0007	EA	12" x 12"	Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	150.64	16.92
			<i>For Steel Construction, Deduct</i>	-12.09	
			<i>For Surface Mount, Deduct</i>	-9.68	
			<i>For Diffuser Without Damper, Deduct</i>	-16.13	
			<i>For Stainless Steel, Add</i>	201.58	
23 37 13 13-0008	EA	16" x 16"	Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	173.09	16.92
			<i>For Steel Construction, Deduct</i>	-15.46	
			<i>For Surface Mount, Deduct</i>	-12.37	
			<i>For Diffuser Without Damper, Deduct</i>	-20.62	
			<i>For Stainless Steel, Add</i>	257.70	
23 37 13 13-0009	EA	18" x 18"	Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	198.74	22.57
			<i>For Steel Construction, Deduct</i>	-16.63	
			<i>For Surface Mount, Deduct</i>	-13.30	
			<i>For Diffuser Without Damper, Deduct</i>	-22.17	
			<i>For Stainless Steel, Add</i>	277.10	
23 37 13 13-0010	EA	20" x 20"	Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	230.70	23.69
			<i>For Steel Construction, Deduct</i>	-20.76	
			<i>For Surface Mount, Deduct</i>	-16.61	
			<i>For Diffuser Without Damper, Deduct</i>	-27.68	
			<i>For Stainless Steel, Add</i>	346.00	
23 37 13 13-0011	EA	24" x 24"	Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	261.34	27.07
			<i>For Steel Construction, Deduct</i>	-23.09	
			<i>For Surface Mount, Deduct</i>	-18.47	
			<i>For Lay-In Mount, Deduct</i>	-18.47	
			<i>For Diffuser Without Damper, Deduct</i>	-30.78	
			<i>For Stainless Steel, Add</i>	384.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 37 13 13-0012 Ceiling Diffusers With Louver Face</b> <small>(23 37 13 13-0001)</small>		
<small>Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.</small>		
23 37 13 13-0013 EA 6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	117.22	14.67
<i>For Steel Construction, Deduct</i>	-8.88	
<i>For Flush Mount, Add</i>	8.88	
<i>For Stainless Steel, Add</i>	148.00	
23 37 13 13-0014 EA 8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	133.14	14.67
<i>For Steel Construction, Deduct</i>	-11.27	
<i>For Flush Mount, Add</i>	11.27	
<i>For Stainless Steel, Add</i>	187.80	
23 37 13 13-0015 EA 9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	133.14	14.67
<i>For Steel Construction, Deduct</i>	-11.27	
<i>For Flush Mount, Add</i>	11.27	
<i>For Stainless Steel, Add</i>	187.80	
23 37 13 13-0016 EA 10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	159.83	16.92
<i>For Steel Construction, Deduct</i>	-13.47	
<i>For Flush Mount, Add</i>	13.47	
<i>For Stainless Steel, Add</i>	224.55	
23 37 13 13-0017 EA 12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	159.83	18.05
<i>For Steel Construction, Deduct</i>	-13.47	
<i>For Flush Mount, Add</i>	13.47	
<i>For Stainless Steel, Add</i>	224.55	
23 37 13 13-0018 EA 24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	205.86	22.57
<i>For Steel Construction, Deduct</i>	-17.64	
<i>For Flush Mount, Add</i>	17.64	
<i>For Stainless Steel, Add</i>	293.95	
23 37 13 13-0019 EA 14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	184.22	22.57
<i>For Steel Construction, Deduct</i>	-14.39	
<i>For Flush Mount, Add</i>	14.39	
<i>For Stainless Steel, Add</i>	239.85	
23 37 13 13-0020 EA 18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	229.95	27.07
<i>For Steel Construction, Deduct</i>	-18.46	
<i>For Flush Mount, Add</i>	18.46	
<i>For Stainless Steel, Add</i>	307.73	
23 37 13 13-0021 EA 21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	265.77	30.45
<i>For Steel Construction, Deduct</i>	-22.96	
<i>For Flush Mount, Add</i>	22.96	
<i>For Stainless Steel, Add</i>	382.73	
23 37 13 13-0022 EA 24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	290.29	59.68
<i>For Steel Construction, Deduct</i>	-25.63	
<i>For Flush Mount, Add</i>	25.63	
<i>For Lay-In Mount, Add</i>	34.17	
<i>For Stainless Steel, Add</i>	427.13	
<b>23 37 13 13-0023 Round Ceiling Diffusers With Fixed Pattern</b> <small>(23 37 13 13-0001)</small>		
<small>Note: Aluminum construction.</small>		
23 37 13 13-0024 EA 6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	190.52	14.67
<i>For Steel Construction, Deduct</i>	-39.75	
<i>For Stainless Steel, Add</i>	331.25	
23 37 13 13-0025 EA 8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	197.32	14.67
<i>For Steel Construction, Deduct</i>	-41.79	
<i>For Stainless Steel, Add</i>	348.25	
23 37 13 13-0026 EA 10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	222.89	18.05
<i>For Steel Construction, Deduct</i>	-45.86	
<i>For Stainless Steel, Add</i>	382.20	
23 37 13 13-0027 EA 12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	239.88	16.92
<i>For Steel Construction, Deduct</i>	-50.96	
<i>For Stainless Steel, Add</i>	424.68	
23 37 13 13-0028 EA 14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	342.82	20.31
<i>For Steel Construction, Deduct</i>	-78.48	
<i>For Stainless Steel, Add</i>	654.00	
23 37 13 13-0029 EA 16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	361.49	21.44
<i>For Steel Construction, Deduct</i>	-83.07	
<i>For Stainless Steel, Add</i>	692.23	
23 37 13 13-0030 EA 18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	380.46	22.57
<i>For Steel Construction, Deduct</i>	-87.65	
<i>For Stainless Steel, Add</i>	730.45	
23 37 13 13-0031 EA 20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	439.59	22.57
<i>For Steel Construction, Deduct</i>	-104.19	
<i>For Stainless Steel, Add</i>	868.23	
23 37 13 13-0032 EA 24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	524.32	25.94
<i>For Steel Construction, Deduct</i>	-126.84	
<i>For Stainless Steel, Add</i>	1,056.98	
23 37 13 13-0033 EA 28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	590.05	27.07
<i>For Steel Construction, Deduct</i>	-144.96	
<i>For Stainless Steel, Add</i>	1,207.98	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0034 EA 32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	704.55	30.45
For Steel Construction, Deduct	-175.53	
For Stainless Steel, Add	1,462.78	
<b>23 37 13 13-0035 Round Ceiling Diffusers With Adjustable Pattern Dropped Style (23 37 13 13-0001)</b>		
Note: Aluminum construction.		
23 37 13 13-0036 EA 6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	200.71	14.67
For Steel Construction, Deduct	-14.27	
For Flush Mount, Deduct	-7.13	
For Stainless Steel, Add	356.73	
23 37 13 13-0037 EA 8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	218.27	14.67
For Steel Construction, Deduct	-16.03	
For Flush Mount, Deduct	-8.01	
For Stainless Steel, Add	400.63	
23 37 13 13-0038 EA 10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	247.43	18.05
For Steel Construction, Deduct	-17.74	
For Flush Mount, Deduct	-8.87	
For Stainless Steel, Add	443.55	
23 37 13 13-0039 EA 12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	267.06	18.05
For Steel Construction, Deduct	-19.71	
For Flush Mount, Deduct	-9.85	
For Stainless Steel, Add	492.63	
23 37 13 13-0040 EA 14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	386.99	20.31
For Steel Construction, Deduct	-30.58	
For Flush Mount, Deduct	-15.29	
For Stainless Steel, Add	764.43	
23 37 13 13-0041 EA 16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	335.18	21.44
For Steel Construction, Deduct	-32.67	
For Flush Mount, Deduct	-16.34	
For Stainless Steel, Add	816.80	
23 37 13 13-0042 EA 18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	435.95	22.57
For Steel Construction, Deduct	-34.77	
For Flush Mount, Deduct	-17.38	
For Stainless Steel, Add	869.18	
23 37 13 13-0043 EA 20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	505.65	23.69
For Steel Construction, Deduct	-41.34	
For Flush Mount, Deduct	-20.67	
For Stainless Steel, Add	1,033.38	
23 37 13 13-0044 EA 24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	571.13	25.94
For Steel Construction, Deduct	-46.96	
For Flush Mount, Deduct	-23.48	
For Stainless Steel, Add	1,174.00	
23 37 13 13-0045 EA 28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	691.97	27.07
For Steel Construction, Deduct	-58.51	
For Flush Mount, Deduct	-29.26	
For Stainless Steel, Add	1,462.78	
23 37 13 13-0046 EA 32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	833.28	30.45
For Steel Construction, Deduct	-71.38	
For Flush Mount, Deduct	-35.69	
For Stainless Steel, Add	1,784.60	
23 37 13 13-0047 EA 36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	923.04	63.51
For Steel Construction, Deduct	-1,990.35	
<b>23 37 13 13-0048 Linear Type Ceiling Diffusers With 2-Way Air Deflection (23 37 13 13-0001)</b>		
23 37 13 13-0049 LF 4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection.....	153.43	16.92
For Stainless Steel, Add	214.35	
23 37 13 13-0050 LF 6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection.....	165.08	16.92
For Stainless Steel, Add	243.48	
23 37 13 13-0051 LF 9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection.....	179.43	16.92
For Stainless Steel, Add	279.35	
23 37 13 13-0052 LF 12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection.....	193.40	16.92
For Stainless Steel, Add	314.28	
<b>23 37 13 13-0053 Wall And Floor Diffusers (23 37 13 13)</b>		
<b>23 37 13 13-0054 Slot Type Linear Diffusers (23 37 13 13-0053)</b>		
Note: For sidewall sill or ceiling 1/2" 3/4" or 1" slot spacing 1-1/8" border.		
23 37 13 13-0055 LF 1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	52.00	5.64
For 3/4" Border, Add	7.08	
For Floor Mounted Diffusers, Add	8.49	
For Stainless Steel, Add	36.80	
23 37 13 13-0056 LF 2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling.....	63.68	6.77
For 3/4" Border, Add	9.44	
For Floor Mounted Diffusers, Add	11.33	
For Stainless Steel, Add	49.08	
23 37 13 13-0057 LF 3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling.....	88.81	7.90
For 3/4" Border, Add	14.87	
For Floor Mounted Diffusers, Add	17.84	
For Stainless Steel, Add	77.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0058 LF 4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling.....	117.64	7.90
<i>For 3/4" Border, Add</i>	21.24	
<i>For Floor Mounted Diffusers, Add</i>	25.48	
<i>For Stainless Steel, Add</i>	110.42	
23 37 13 13-0059 LF 5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling.....	147.67	9.03
<i>For 3/4" Border, Add</i>	27.61	
<i>For Floor Mounted Diffusers, Add</i>	33.13	
<i>For Stainless Steel, Add</i>	143.55	
23 37 13 13-0060 LF 6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling.....	173.06	11.28
<i>For 3/4" Border, Add</i>	32.56	
<i>For Floor Mounted Diffusers, Add</i>	39.07	
<i>For Stainless Steel, Add</i>	169.30	
<b>23 37 13 13-0061 Linear Bar Grilles And Registers</b> <small>(23 37 13 13-0053)</small>		
Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.		
23 37 13 13-0062 LF 2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	162.77	6.77
<i>For Floor Mount, Add</i>	13.68	
<i>For Opposed Blade Damper, Add</i>	27.37	
<i>For Stainless Steel, Add</i>	177.89	
23 37 13 13-0063 LF 3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling.....	194.50	7.90
<i>For Floor Mount, Add</i>	16.52	
<i>For Opposed Blade Damper, Add</i>	33.03	
<i>For Stainless Steel, Add</i>	214.70	
23 37 13 13-0064 LF 4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling.....	212.01	7.90
<i>For Floor Mount, Add</i>	17.93	
<i>For Opposed Blade Damper, Add</i>	35.86	
<i>For Stainless Steel, Add</i>	233.10	
23 37 13 13-0065 LF 6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling.....	259.89	11.28
<i>For Floor Mount, Add</i>	21.71	
<i>For Opposed Blade Damper, Add</i>	43.41	
<i>For Stainless Steel, Add</i>	282.18	
23 37 13 13-0066 LF 9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling.....	359.51	14.67
<i>For Floor Mount, Add</i>	30.20	
<i>For Opposed Blade Damper, Add</i>	60.40	
<i>For Stainless Steel, Add</i>	392.59	
23 37 13 13-0067 LF 12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling.....	414.47	16.92
<i>For Floor Mount, Add</i>	34.45	
<i>For Opposed Blade Damper, Add</i>	68.89	
<i>For Stainless Steel, Add</i>	447.80	
<b>23 37 13 13-0068 Return/Exhaust Registers And Grilles</b> <small>(23 37 13 13)</small>		
<b>23 37 13 13-0069 Return/Exhaust Registers With Frame</b> <small>(23 37 13 13-0068)</small>		
Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.		
23 37 13 13-0070 EA 8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	110.98	9.03
<i>For Steel Construction, Deduct</i>	-15.19	
<i>For Grilles (No Damper), Deduct</i>	-30.39	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	7.60	
<i>For Cube Core Lay In, Add</i>	15.19	
<i>For Stainless Steel, Add</i>	189.93	
23 37 13 13-0071 EA 8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	127.50	9.03
<i>For Steel Construction, Deduct</i>	-18.50	
<i>For Grilles (No Damper), Deduct</i>	-37.00	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	9.25	
<i>For Cube Core Lay In, Add</i>	18.50	
<i>For Stainless Steel, Add</i>	231.23	
23 37 13 13-0072 EA 10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	143.00	10.15
<i>For Steel Construction, Deduct</i>	-20.48	
<i>For Grilles (No Damper), Deduct</i>	-40.96	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	10.24	
<i>For Cube Core Lay In, Add</i>	20.48	
<i>For Stainless Steel, Add</i>	255.98	
23 37 13 13-0073 EA 10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	149.61	11.28
<i>For Steel Construction, Deduct</i>	-20.48	
<i>For Grilles (No Damper), Deduct</i>	-40.96	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	10.24	
<i>For Cube Core Lay In, Add</i>	20.48	
<i>For Stainless Steel, Add</i>	255.98	
23 37 13 13-0074 EA 12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	143.01	11.28
<i>For Steel Construction, Deduct</i>	-19.16	
<i>For Grilles (No Damper), Deduct</i>	-38.32	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	9.58	
<i>For Cube Core Lay In, Add</i>	19.16	
<i>For Stainless Steel, Add</i>	239.48	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0075 EA 12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	183.54	14.67
For Steel Construction, Deduct	-25.10	
For Grilles (No Damper), Deduct	-50.21	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	12.55	
For Cube Core Lay In, Add	25.10	
For Stainless Steel, Add	313.80	
23 37 13 13-0076 EA 16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	219.87	16.92
For Steel Construction, Deduct	-29.97	
For Grilles (No Damper), Deduct	-59.94	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	14.99	
For Cube Core Lay In, Add	29.97	
For Stainless Steel, Add	374.65	
23 37 13 13-0077 EA 18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	269.49	20.31
For Steel Construction, Deduct	-37.65	
For Grilles (No Damper), Deduct	-75.31	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	18.83	
For Cube Core Lay In, Add	37.65	
For Stainless Steel, Add	470.68	
23 37 13 13-0078 EA 20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	316.27	22.57
For Steel Construction, Deduct	-45.60	
For Grilles (No Damper), Deduct	-91.20	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	22.80	
For Cube Core Lay In, Add	45.60	
For Stainless Steel, Add	569.98	
23 37 13 13-0079 EA 24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	283.00	22.57
For Steel Construction, Deduct	-38.14	
For Grilles (No Damper), Deduct	-76.28	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	19.07	
For Cube Core Lay In, Add	38.14	
For Stainless Steel, Add	476.75	
23 37 13 13-0080 EA 24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	323.51	22.57
For Steel Construction, Deduct	-46.24	
For Grilles (No Damper), Deduct	-92.48	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	23.12	
For Cube Core Lay In, Add	46.24	
For Stainless Steel, Add	578.03	
23 37 13 13-0081 EA 24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	341.17	25.94
For Steel Construction, Deduct	-47.93	
For Grilles (No Damper), Deduct	-95.86	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	23.96	
For Cube Core Lay In, Add	47.93	
For Stainless Steel, Add	599.10	
23 37 13 13-0082 EA 30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	361.54	27.07
For Steel Construction, Deduct	-50.94	
For Grilles (No Damper), Deduct	-101.87	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	25.47	
For Cube Core Lay In, Add	50.94	
For Stainless Steel, Add	636.70	
23 37 13 13-0083 EA 30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	416.70	30.45
For Steel Construction, Deduct	-59.45	
For Grilles (No Damper), Deduct	-118.90	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	29.73	
For Cube Core Lay In, Add	59.45	
For Stainless Steel, Add	743.15	
23 37 13 13-0084 EA 30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	466.74	36.10
For Steel Construction, Deduct	-64.34	
For Grilles (No Damper), Deduct	-128.68	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	32.17	
For Cube Core Lay In, Add	64.34	
For Stainless Steel, Add	804.25	
23 37 13 13-0085 EA 30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	606.60	36.10
For Steel Construction, Deduct	-92.31	
For Grilles (No Damper), Deduct	-184.62	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	46.16	
For Cube Core Lay In, Add	92.31	
For Stainless Steel, Add	1,153.90	
23 37 13 13-0086 EA 36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	503.71	39.48
For Steel Construction, Deduct	-69.50	
For Grilles (No Damper), Deduct	-139.01	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	34.75	
For Cube Core Lay In, Add	69.50	
For Stainless Steel, Add	868.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0087 EA 36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	490.43	38.35
<i>For Steel Construction, Deduct</i>	-66.85	
<i>For Grilles (No Damper), Deduct</i>	-133.70	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	33.42	
<i>For Cube Core Lay In, Add</i>	66.85	
<i>For Stainless Steel, Add</i>	835.60	
23 37 13 13-0088 EA 36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	558.46	42.86
<i>For Steel Construction, Deduct</i>	-77.85	
<i>For Grilles (No Damper), Deduct</i>	-155.70	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	38.93	
<i>For Cube Core Lay In, Add</i>	77.85	
<i>For Stainless Steel, Add</i>	973.13	
23 37 13 13-0089 EA 36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	757.47	46.25
<i>For Steel Construction, Deduct</i>	-114.58	
<i>For Grilles (No Damper), Deduct</i>	-229.15	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	57.29	
<i>For Cube Core Lay In, Add</i>	114.58	
<i>For Stainless Steel, Add</i>	1,432.20	
23 37 13 13-0090 EA 24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	335.88	26.06
<i>For Steel Construction, Deduct</i>	-46.36	
<i>For Grilles (No Damper), Deduct</i>	-92.71	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	23.18	
<i>For Cube Core Lay In, Add</i>	46.36	
<i>For Stainless Steel, Add</i>	579.45	
23 37 13 13-0091 EA 32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	579.59	39.05
<i>For Steel Construction, Deduct</i>	-84.68	
<i>For Grilles (No Damper), Deduct</i>	-169.36	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	42.34	
<i>For Cube Core Lay In, Add</i>	84.68	
<i>For Stainless Steel, Add</i>	1,058.50	
23 37 13 13-0092 EA 48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	671.11	46.25
<i>For Steel Construction, Deduct</i>	-97.17	
<i>For Grilles (No Damper), Deduct</i>	-194.34	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	48.59	
<i>For Cube Core Lay In, Add</i>	97.17	
<i>For Stainless Steel, Add</i>	1,214.63	
<b>23 37 13 13-0093 Return/Exhaust Registers Removable-Reversible</b> <small>(23 37 13 13-0068)</small>		
<i>Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.</i>		
23 37 13 13-0094 EA 8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	102.39	9.03
<i>For Steel Construction, Deduct</i>	-6.74	
<i>For Flat Frame, Deduct</i>	-0.67	
<i>For Grilles (No Damper), Deduct</i>	-13.48	
<i>For Stainless Steel, Add</i>	168.45	
23 37 13 13-0095 EA 8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	102.39	9.03
<i>For Steel Construction, Deduct</i>	-6.74	
<i>For Flat Frame, Deduct</i>	-0.67	
<i>For Grilles (No Damper), Deduct</i>	-13.48	
<i>For Stainless Steel, Add</i>	168.45	
23 37 13 13-0096 EA 10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	125.83	10.15
<i>For Steel Construction, Deduct</i>	-8.52	
<i>For Flat Frame, Deduct</i>	-0.85	
<i>For Grilles (No Damper), Deduct</i>	-17.04	
<i>For Stainless Steel, Add</i>	213.05	
23 37 13 13-0097 EA 10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	144.33	12.41
<i>For Steel Construction, Deduct</i>	-9.71	
<i>For Flat Frame, Deduct</i>	-0.97	
<i>For Grilles (No Damper), Deduct</i>	-19.42	
<i>For Stainless Steel, Add</i>	242.78	
23 37 13 13-0098 EA 12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	142.35	11.28
<i>For Steel Construction, Deduct</i>	-9.51	
<i>For Flat Frame, Deduct</i>	-0.95	
<i>For Grilles (No Damper), Deduct</i>	-19.03	
<i>For Stainless Steel, Add</i>	237.83	
23 37 13 13-0099 EA 12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	184.86	14.67
<i>For Steel Construction, Deduct</i>	-12.68	
<i>For Flat Frame, Deduct</i>	-1.27	
<i>For Grilles (No Damper), Deduct</i>	-25.37	
<i>For Stainless Steel, Add</i>	317.10	
23 37 13 13-0100 EA 16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	299.24	18.05
<i>For Steel Construction, Deduct</i>	-22.92	
<i>For Flat Frame, Deduct</i>	-2.29	
<i>For Grilles (No Damper), Deduct</i>	-45.85	
<i>For Stainless Steel, Add</i>	573.08	
23 37 13 13-0101 EA 18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	360.66	20.31
<i>For Steel Construction, Deduct</i>	-27.94	
<i>For Flat Frame, Deduct</i>	-2.79	
<i>For Grilles (No Damper), Deduct</i>	-55.89	
<i>For Stainless Steel, Add</i>	698.60	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0102	EA		20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	407.36	22.57
			<i>For Steel Construction, Deduct</i>	-31.91	
			<i>For Flat Frame, Deduct</i>	-3.19	
			<i>For Grilles (No Damper), Deduct</i>	-63.82	
			<i>For Stainless Steel, Add</i>	797.70	
23 37 13 13-0103	EA		24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	338.05	22.57
			<i>For Steel Construction, Deduct</i>	-24.58	
			<i>For Flat Frame, Deduct</i>	-2.46	
			<i>For Grilles (No Damper), Deduct</i>	-49.15	
			<i>For Stainless Steel, Add</i>	614.38	
23 37 13 13-0104	EA		24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	456.96	23.69
			<i>For Steel Construction, Deduct</i>	-36.47	
			<i>For Flat Frame, Deduct</i>	-3.65	
			<i>For Grilles (No Damper), Deduct</i>	-72.93	
			<i>For Stainless Steel, Add</i>	911.65	
23 37 13 13-0105	EA		24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	533.57	25.94
			<i>For Steel Construction, Deduct</i>	-43.20	
			<i>For Flat Frame, Deduct</i>	-4.32	
			<i>For Grilles (No Damper), Deduct</i>	-86.41	
			<i>For Stainless Steel, Add</i>	1,080.10	
23 37 13 13-0106	EA		30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	408.10	27.07
			<i>For Steel Construction, Deduct</i>	-30.12	
			<i>For Flat Frame, Deduct</i>	-3.01	
			<i>For Grilles (No Damper), Deduct</i>	-60.25	
			<i>For Stainless Steel, Add</i>	753.10	
23 37 13 13-0107	EA		30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	563.37	30.45
			<i>For Steel Construction, Deduct</i>	-44.39	
			<i>For Flat Frame, Deduct</i>	-4.44	
			<i>For Grilles (No Damper), Deduct</i>	-88.79	
			<i>For Stainless Steel, Add</i>	1,109.83	
23 37 13 13-0108	EA		30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	678.15	36.10
			<i>For Steel Construction, Deduct</i>	-53.31	
			<i>For Flat Frame, Deduct</i>	-5.33	
			<i>For Grilles (No Damper), Deduct</i>	-106.62	
			<i>For Stainless Steel, Add</i>	1,332.78	
23 37 13 13-0109	EA		30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	778.24	36.10
			<i>For Steel Construction, Deduct</i>	-63.32	
			<i>For Flat Frame, Deduct</i>	-6.33	
			<i>For Grilles (No Damper), Deduct</i>	-126.64	
			<i>For Stainless Steel, Add</i>	1,583.00	
23 37 13 13-0110	EA		36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	526.79	38.35
			<i>For Steel Construction, Deduct</i>	-37.06	
			<i>For Flat Frame, Deduct</i>	-3.71	
			<i>For Grilles (No Damper), Deduct</i>	-74.12	
			<i>For Stainless Steel, Add</i>	926.50	
23 37 13 13-0111	EA		36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	717.05	38.35
			<i>For Steel Construction, Deduct</i>	-56.09	
			<i>For Flat Frame, Deduct</i>	-5.61	
			<i>For Grilles (No Damper), Deduct</i>	-112.17	
			<i>For Stainless Steel, Add</i>	1,402.15	
23 37 13 13-0112	EA		36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	831.14	42.86
			<i>For Steel Construction, Deduct</i>	-66.19	
			<i>For Flat Frame, Deduct</i>	-6.62	
			<i>For Grilles (No Damper), Deduct</i>	-132.39	
			<i>For Stainless Steel, Add</i>	1,654.83	
23 37 13 13-0113	EA		36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	972.37	46.25
			<i>For Steel Construction, Deduct</i>	-78.78	
			<i>For Flat Frame, Deduct</i>	-7.88	
			<i>For Grilles (No Damper), Deduct</i>	-157.56	
			<i>For Stainless Steel, Add</i>	1,969.45	
23 37 13 13-0114	EA		36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	1,027.86	46.25
			<i>For Steel Construction, Deduct</i>	-84.33	
			<i>For Flat Frame, Deduct</i>	-8.43	
			<i>For Grilles (No Damper), Deduct</i>	-168.65	
			<i>For Stainless Steel, Add</i>	2,108.18	
23 37 13 13-0115			<b>Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles</b> (23 37 13 13-0068)		
23 37 13 13-0116	EA		6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	55.66	11.04
23 37 13 13-0117	EA		8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	55.66	11.04
23 37 13 13-0118	EA		8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	60.74	11.04
23 37 13 13-0119	EA		8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	62.77	11.04
23 37 13 13-0120	EA		10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	60.74	11.04
23 37 13 13-0121	EA		10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	62.77	11.04
23 37 13 13-0122	EA		10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	75.21	14.47
23 37 13 13-0123	EA		10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	77.24	14.47
23 37 13 13-0124	EA		12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	73.18	14.47
23 37 13 13-0125	EA		12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	77.24	14.47
23 37 13 13-0126	EA		12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	79.28	14.47
23 37 13 13-0127	EA		12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	81.31	14.47
23 37 13 13-0128	EA		14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	78.26	14.47
23 37 13 13-0129	EA		14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	82.32	14.47
23 37 13 13-0130	EA		14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	84.35	14.47
23 37 13 13-0131	EA		14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	93.49	14.47
23 37 13 13-0132	EA		16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	82.32	14.47





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0133 EA 16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	89.43	14.47
23 37 13 13-0134 EA 16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	93.49	14.47
23 37 13 13-0135 EA 16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	119.39	21.34
23 37 13 13-0136 EA 16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	121.42	21.34
23 37 13 13-0137 EA 18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	117.36	21.34
23 37 13 13-0138 EA 18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	144.02	24.78
23 37 13 13-0139 EA 20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	115.33	21.34
23 37 13 13-0140 EA 20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	154.18	24.78
23 37 13 13-0141 EA 22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	80.29	14.47
23 37 13 13-0142 EA 22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	117.36	21.34
23 37 13 13-0143 EA 22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	172.72	28.22
23 37 13 13-0144 EA 24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	115.33	21.34
23 37 13 13-0145 EA 24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	119.39	21.34
23 37 13 13-0146 EA 24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	137.93	24.78
<i>For Lay-In Installation, Deduct</i>	-52.34	
23 37 13 13-0147 EA 24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	144.02	24.78
23 37 13 13-0148 EA 24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	160.53	28.22
23 37 13 13-0149 EA 24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	166.63	28.22
23 37 13 13-0150 EA 24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	173.74	28.22
23 37 13 13-0151 EA 24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	186.94	28.22
<i>For Lay-In Installation, Deduct</i>	-59.94	
23 37 13 13-0152 EA 30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	140.97	24.78
23 37 13 13-0153 EA 48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	230.81	30.92
23 37 13 13-0154 EA 48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	398.89	37.79
<i>For Lay-In Installation, Deduct</i>	-86.25	
23 37 13 13-0155 <b>Supply Registers and Grilles</b> <small>(23 37 13 13)</small>		
23 37 13 13-0156 <b>Adjustable Curved Blade Register</b> <small>(23 37 13 13-0155)</small>		
<small>Note: Ceiling mount aluminum construction four way pattern flush frame.</small>		
23 37 13 13-0157 EA 6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	92.71	9.03
<i>For Steel Construction, Deduct</i>	-8.66	
<i>For Lay In Frame, Deduct</i>	-14.44	
<i>For Three Way Pattern, Deduct</i>	-5.78	
<i>For Two Way Pattern, Deduct</i>	-4.62	
<i>For One Way Pattern, Deduct</i>	-4.62	
<i>For Grille (No Damper), Deduct</i>	-8.66	
<i>For Stainless Steel, Add</i>	144.40	
23 37 13 13-0158 EA 8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	96.10	9.03
<i>For Steel Construction, Deduct</i>	-9.17	
<i>For Lay In Frame, Deduct</i>	-15.29	
<i>For Three Way Pattern, Deduct</i>	-6.12	
<i>For Two Way Pattern, Deduct</i>	-4.89	
<i>For One Way Pattern, Deduct</i>	-4.89	
<i>For Grille (No Damper), Deduct</i>	-9.17	
<i>For Stainless Steel, Add</i>	152.88	
23 37 13 13-0159 EA 12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	105.09	12.41
<i>For Steel Construction, Deduct</i>	-8.66	
<i>For Lay In Frame, Deduct</i>	-14.44	
<i>For Three Way Pattern, Deduct</i>	-5.78	
<i>For Two Way Pattern, Deduct</i>	-4.62	
<i>For One Way Pattern, Deduct</i>	-4.62	
<i>For Grille (No Damper), Deduct</i>	-8.66	
<i>For Stainless Steel, Add</i>	144.40	
23 37 13 13-0160 EA 10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	117.54	11.28
<i>For Steel Construction, Deduct</i>	-10.53	
<i>For Lay In Frame, Deduct</i>	-17.55	
<i>For Three Way Pattern, Deduct</i>	-7.02	
<i>For Two Way Pattern, Deduct</i>	-5.62	
<i>For One Way Pattern, Deduct</i>	-5.62	
<i>For Grille (No Damper), Deduct</i>	-10.53	
<i>For Stainless Steel, Add</i>	175.53	
23 37 13 13-0161 EA 12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	141.32	14.67
<i>For Steel Construction, Deduct</i>	-12.57	
<i>For Lay In Frame, Deduct</i>	-20.95	
<i>For Three Way Pattern, Deduct</i>	-8.38	
<i>For Two Way Pattern, Deduct</i>	-6.70	
<i>For One Way Pattern, Deduct</i>	-6.70	
<i>For Grille (No Damper), Deduct</i>	-12.57	
<i>For Stainless Steel, Add</i>	209.50	
23 37 13 13-0162 EA 14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	174.20	16.92
<i>For Steel Construction, Deduct</i>	-15.63	
<i>For Lay In Frame, Deduct</i>	-26.05	
<i>For Three Way Pattern, Deduct</i>	-10.42	
<i>For Two Way Pattern, Deduct</i>	-8.34	
<i>For One Way Pattern, Deduct</i>	-8.34	
<i>For Grille (No Damper), Deduct</i>	-15.63	
<i>For Stainless Steel, Add</i>	260.48	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 37 Air Outlets and Inlets**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0163 EA 16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	174.20	16.92
For Steel Construction, Deduct	-15.63	
For Lay In Frame, Deduct	-26.05	
For Three Way Pattern, Deduct	-10.42	
For Two Way Pattern, Deduct	-8.34	
For One Way Pattern, Deduct	-8.34	
For Grille (No Damper), Deduct	-15.63	
For Stainless Steel, Add	260.48	
23 37 13 13-0164 EA 18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	214.74	22.57
For Steel Construction, Deduct	-19.03	
For Lay In Frame, Deduct	-31.71	
For Three Way Pattern, Deduct	-12.68	
For Two Way Pattern, Deduct	-10.15	
For One Way Pattern, Deduct	-10.15	
For Grille (No Damper), Deduct	-19.03	
For Stainless Steel, Add	317.10	
23 37 13 13-0165 EA 24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	283.69	23.69
For Steel Construction, Deduct	-28.71	
For Lay In Frame, Deduct	-47.85	
For Three Way Pattern, Deduct	-19.14	
For Two Way Pattern, Deduct	-15.31	
For One Way Pattern, Deduct	-15.31	
For Grille (No Damper), Deduct	-28.71	
For Stainless Steel, Add	478.48	
23 37 13 13-0166 EA 30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	463.16	47.83
For Steel Construction, Deduct	-55.12	
For Lay In Frame, Deduct	-91.87	
For Three Way Pattern, Deduct	-36.75	
For Two Way Pattern, Deduct	-29.40	
For One Way Pattern, Deduct	-29.40	
For Grille (No Damper), Deduct	-55.12	
For Stainless Steel, Add	918.73	
<b>23 37 13 13-0167 Removable-Reversible Core Registers</b> <small>(23 37 13 13-0155)</small>		
Note: Double deflection radiused frame aluminum construction.		
23 37 13 13-0168 EA 6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	107.43	9.03
For Steel Construction, Deduct	-7.25	
For Flat Frame, Deduct	-7.25	
For Grille (No Damper), Deduct	-21.74	
For Stainless Steel, Add	181.20	
23 37 13 13-0169 EA 8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	136.87	9.03
For Steel Construction, Deduct	-10.19	
For Flat Frame, Deduct	-10.19	
For Grille (No Damper), Deduct	-30.58	
For Stainless Steel, Add	254.80	
23 37 13 13-0170 EA 12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	174.17	12.41
For Steel Construction, Deduct	-12.68	
For Flat Frame, Deduct	-12.68	
For Grille (No Damper), Deduct	-38.05	
For Stainless Steel, Add	317.10	
23 37 13 13-0171 EA 10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	176.43	12.41
For Steel Construction, Deduct	-12.91	
For Flat Frame, Deduct	-12.91	
For Grille (No Damper), Deduct	-38.73	
For Stainless Steel, Add	322.75	
23 37 13 13-0172 EA 12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	225.13	14.67
For Steel Construction, Deduct	-16.76	
For Flat Frame, Deduct	-16.76	
For Grille (No Damper), Deduct	-50.28	
For Stainless Steel, Add	419.03	
23 37 13 13-0173 EA 14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	321.42	18.05
For Steel Construction, Deduct	-25.14	
For Flat Frame, Deduct	-25.14	
For Grille (No Damper), Deduct	-75.42	
For Stainless Steel, Add	628.53	
23 37 13 13-0174 EA 16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	362.19	16.92
For Steel Construction, Deduct	-29.22	
For Flat Frame, Deduct	-29.22	
For Grille (No Damper), Deduct	-87.65	
For Stainless Steel, Add	730.45	
23 37 13 13-0175 EA 18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	436.70	22.57
For Steel Construction, Deduct	-34.88	
For Flat Frame, Deduct	-34.88	
For Grille (No Damper), Deduct	-104.64	
For Stainless Steel, Add	872.00	
23 37 13 13-0176 EA 24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	552.09	22.57
For Steel Construction, Deduct	-45.98	
For Flat Frame, Deduct	-45.98	
For Grille (No Damper), Deduct	-137.94	
For Stainless Steel, Add	1,149.48	

23 37 13 13-0177 Supply Grille, Aluminum Drum With Aluminum Border (23 37 13 13-0155)  
 Note: Titus DL.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0178 EA 9" x 6" Supply Grille, Aluminum Drum.....	85.25	17.49
<i>For Stainless Steel, Add</i>	125.75	
23 37 13 13-0179 EA 12" x 6" Supply Grille, Aluminum Drum.....	119.46	23.69
<i>For Stainless Steel, Add</i>	180.33	
23 37 13 13-0180 EA 18" x 6" Supply Grille, Aluminum Drum.....	131.71	23.69
<i>For Stainless Steel, Add</i>	210.95	
23 37 13 13-0181 EA 24" x 6" Supply Grille, Aluminum Drum.....	146.20	28.76
<i>For Stainless Steel, Add</i>	221.73	
23 37 13 13-0182 EA 30" x 6" Supply Grille, Aluminum Drum.....	186.62	35.08
<i>For Stainless Steel, Add</i>	291.53	
23 37 13 13-0183 EA 36" x 6" Supply Grille, Aluminum Drum.....	226.72	35.08
<i>For Stainless Steel, Add</i>	391.78	
23 37 13 13-0184 EA 48" x 6" Supply Grille, Aluminum Drum.....	270.90	43.99
<i>For Stainless Steel, Add</i>	457.53	
23 37 13 13-0185 EA 20" x 10" Supply Grille, Aluminum Drum.....	152.11	28.76
<i>For Stainless Steel, Add</i>	236.50	
23 37 13 13-0186 EA 25" x 10" Supply Grille, Aluminum Drum.....	164.52	34.97
<i>For Stainless Steel, Add</i>	236.50	
23 37 13 13-0187 EA 30" x 10" Supply Grille, Aluminum Drum.....	232.14	43.99
<i>For Stainless Steel, Add</i>	360.43	
23 37 13 13-0188 EA 35" x 10" Supply Grille, Aluminum Drum.....	268.23	47.38
<i>For Stainless Steel, Add</i>	433.75	
23 37 13 13-0189 EA 40" x 10" Supply Grille, Aluminum Drum.....	301.58	49.63
<i>For Stainless Steel, Add</i>	505.85	
23 37 13 13-0190 EA 20" x 12" Supply Grille, Aluminum Drum.....	173.45	31.02
<i>For Stainless Steel, Add</i>	278.55	
23 37 13 13-0191 EA 30" x 12" Supply Grille, Aluminum Drum.....	254.72	45.12
<i>For Stainless Steel, Add</i>	411.25	
23 37 13 13-0192 EA 40" x 12" Supply Grille, Aluminum Drum.....	329.85	50.76
<i>For Stainless Steel, Add</i>	570.88	
23 37 13 13-0193 EA 15" x 15" Supply Grille, Aluminum Drum.....	182.67	34.97
<i>For Stainless Steel, Add</i>	281.88	
23 37 13 13-0194 EA 20" x 15" Supply Grille, Aluminum Drum.....	205.63	37.22
<i>For Stainless Steel, Add</i>	328.00	
23 37 13 13-0195 EA 25" x 15" Supply Grille, Aluminum Drum.....	241.61	43.43
<i>For Stainless Steel, Add</i>	386.93	
23 37 13 13-0196 EA 30" x 15" Supply Grille, Aluminum Drum.....	273.89	46.25
<i>For Stainless Steel, Add</i>	453.53	
23 37 13 13-0197 EA 40" x 15" Supply Grille, Aluminum Drum.....	332.94	51.89
<i>For Stainless Steel, Add</i>	572.98	
<b>23 37 13 13-0198 Adjustable Shutter Blade Registers</b> <small>(23 37 13 13-0155)</small>		
<i>Note: Double deflection flat frame aluminum construction.</i>		
23 37 13 13-0199 EA 6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	167.07	9.03
<i>For Steel Construction, Deduct</i>	-13.21	
<i>For Single Deflection, Deduct</i>	-26.42	
<i>For Grille (No Damper), Deduct</i>	-19.82	
<i>For Stainless Steel, Add</i>	330.30	
23 37 13 13-0200 EA 8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	193.50	9.03
<i>For Steel Construction, Deduct</i>	-15.86	
<i>For Single Deflection, Deduct</i>	-31.71	
<i>For Grille (No Damper), Deduct</i>	-23.78	
<i>For Stainless Steel, Add</i>	396.38	
23 37 13 13-0201 EA 12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	205.88	12.41
<i>For Steel Construction, Deduct</i>	-15.86	
<i>For Single Deflection, Deduct</i>	-31.71	
<i>For Grille (No Damper), Deduct</i>	-23.78	
<i>For Stainless Steel, Add</i>	396.38	
23 37 13 13-0202 EA 10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	213.43	11.28
<i>For Steel Construction, Deduct</i>	-16.61	
<i>For Single Deflection, Deduct</i>	-33.22	
<i>For Grille (No Damper), Deduct</i>	-24.92	
<i>For Stainless Steel, Add</i>	415.25	
23 37 13 13-0203 EA 12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	261.37	14.67
<i>For Steel Construction, Deduct</i>	-20.39	
<i>For Single Deflection, Deduct</i>	-40.77	
<i>For Grille (No Damper), Deduct</i>	-30.58	
<i>For Stainless Steel, Add</i>	509.63	
23 37 13 13-0204 EA 14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	349.35	16.92
<i>For Steel Construction, Deduct</i>	-27.93	
<i>For Single Deflection, Deduct</i>	-55.87	
<i>For Grille (No Damper), Deduct</i>	-41.90	
<i>For Stainless Steel, Add</i>	698.35	
23 37 13 13-0205 EA 16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	413.53	18.05
<i>For Steel Construction, Deduct</i>	-34.35	
<i>For Single Deflection, Deduct</i>	-68.70	
<i>For Grille (No Damper), Deduct</i>	-51.53	
<i>For Stainless Steel, Add</i>	858.80	
23 37 13 13-0206 EA 18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	510.69	22.57
<i>For Steel Construction, Deduct</i>	-42.28	
<i>For Single Deflection, Deduct</i>	-84.56	
<i>For Grille (No Damper), Deduct</i>	-63.42	
<i>For Stainless Steel, Add</i>	1,056.98	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0207 EA 24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	707.61	23.69
<i>For Steel Construction, Deduct</i>	-61.53	
<i>For Single Deflection, Deduct</i>	-123.06	
<i>For Grille (No Damper), Deduct</i>	-92.30	
<i>For Stainless Steel, Add</i>	1,538.28	
<b>23 37 13 13-0208 Air Conditioning And Ventilation (23 37 13 13-0155)</b>		
23 37 13 13-0209 EA 10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	96.74	23.69
<i>For Stainless Steel, Add</i>	123.53	
23 37 13 13-0210 EA 18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	169.32	35.25
<i>For Stainless Steel, Add</i>	247.03	
23 37 13 13-0211 EA 30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	263.39	49.35
<i>For Stainless Steel, Add</i>	411.73	
23 37 13 13-0212 EA 48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	678.83	67.69
<i>For Stainless Steel, Add</i>	1,358.68	
<b>23 37 13 13-0213 Square Wall Return Air And Exhaust Grilles (23 37 13 13-0155)</b>		
Note: Egg crate design aluminum construction.		
23 37 13 13-0214 EA 8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	86.21	28.26
23 37 13 13-0215 EA 12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	95.35	28.26
23 37 13 13-0216 EA 18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	141.87	42.39
23 37 13 13-0217 EA 24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	187.55	42.39
23 37 13 13-0218 EA 28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	318.60	56.52
23 37 13 13-0219 EA 36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	594.52	56.40
<b>23 37 13 13-0220 Rectangular Four-Way Adjustable Deflection Wall Supply Grilles (23 37 13 13-0155)</b>		
Note: Aluminum construction.		
23 37 13 13-0221 EA 12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	238.15	20.34
23 37 13 13-0222 EA 14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	272.12	20.34
23 37 13 13-0223 EA 18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	328.24	22.61
23 37 13 13-0224 EA 24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	388.62	22.61
23 37 13 13-0225 EA 36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	498.53	70.65
<b>23 37 13 13-0226 Square Ceiling Return Air And Exhaust Grilles (23 37 13 13-0155)</b>		
Note: Egg crate design, plastic construction.		
23 37 13 13-0227 EA 24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction.....	45.68	13.53
23 37 13 13-0228 EA 24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction.....	66.08	13.64
<b>23 37 13 13-0229 Door Grilles Sight Proof Inverted Vee Cross Section (23 37 13 13-0155)</b>		
Note: Painted steel louvers and frame.		
23 37 13 13-0230 EA 12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	133.04	20.34
23 37 13 13-0231 EA 12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	166.42	20.34
23 37 13 13-0232 EA 18" x 8" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	207.95	21.48
23 37 13 13-0233 EA 24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	287.22	25.66
23 37 13 13-0234 EA 24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	318.75	47.14
<b>23 37 13 13-0235 Stainless Steel Devices (23 37 13 13-0155)</b>		
<b>23 37 13 13-0236 304 Stainless Steel, Louvered Partition/Door Grilles (23 37 13 13-0235)</b>		
23 37 13 13-0237 SF Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille.....	178.50	17.63
<i>For 316 Stainless Steel, Add</i>	29.82	
23 37 13 13-0238 SF >4 SF, 304 Stainless Steel, Louvered Partition/Door Grille.....	151.29	17.63
<i>For 316 Stainless Steel, Add</i>	24.38	
<b>23 37 13 13-0239 304 Stainless Steel, Single Deflection Supply Grilles (23 37 13 13-0235)</b>		
23 37 13 13-0240 SF Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille.....	136.22	17.63
<i>For 316 Stainless Steel, Add</i>	21.37	
23 37 13 13-0241 SF >4 SF, 304 Stainless Steel, Single Deflection Supply Grille.....	116.43	17.63
<i>For 316 Stainless Steel, Add</i>	17.41	
<b>23 37 13 13-0242 304 Stainless Steel, Double Deflection Supply Grilles (23 37 13 13-0235)</b>		
23 37 13 13-0243 SF Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille .....	197.42	17.63
<i>For 316 Stainless Steel, Add</i>	33.61	
23 37 13 13-0244 SF >4 SF, 304 Stainless Steel, Double Deflection Supply Grille .....	168.86	17.63
<i>For 316 Stainless Steel, Add</i>	27.89	
<b>23 37 13 13-0245 304 Stainless Steel Return Grilles (23 37 13 13-0235)</b>		
23 37 13 13-0246 SF Up To 4 SF, 304 Stainless Steel Return Grille.....	136.22	17.63
<i>For 316 Stainless Steel, Add</i>	21.37	
23 37 13 13-0247 SF >4 SF, 304 Stainless Steel Return Grille.....	116.43	17.63
<i>For 316 Stainless Steel, Add</i>	17.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 37 13 13-0248</b> <b>304 Stainless Steel, Louvered Supply/Return Grilles</b> <small>(23 37 13 13-0235)</small>		
23 37 13 13-0249    SF    Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille.....	136.22	17.63
<i>For 316 Stainless Steel, Add</i>	21.37	
23 37 13 13-0250    SF    >4 SF, 304 Stainless Steel, Louvered Supply/Return Grille.....	116.43	17.63
<i>For 316 Stainless Steel, Add</i>	17.41	
<b>23 37 13 13-0251</b> <b>304 Stainless Steel, Perforated Return Grilles</b> <small>(23 37 13 13-0235)</small>		
23 37 13 13-0252    SF    Up To 4 SF, 304 Stainless Steel, Perforated Return Grille.....	136.22	17.63
<i>For 316 Stainless Steel, Add</i>	21.37	
23 37 13 13-0253    SF    >4 SF, 304 Stainless Steel, Perforated Return Grille.....	110.99	17.63
<i>For 316 Stainless Steel, Add</i>	16.32	
<b>23 37 13 13-0254</b> <b>304 Stainless Steel, Perforated Supply Grilles</b> <small>(23 37 13 13-0235)</small>		
23 37 13 13-0255    SF    Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille.....	164.04	17.63
<i>For 316 Stainless Steel, Add</i>	26.93	
23 37 13 13-0256    SF    >4 SF, 304 Stainless Steel, Perforated Supply Grille.....	113.89	17.63
<i>For 316 Stainless Steel, Add</i>	16.90	
<b>23 37 13 13-0257</b> <b>304 Stainless Steel, Door Grilles</b> <small>(23 37 13 13-0235)</small>		
23 37 13 13-0258    SF    Up To 4 SF, 304 Stainless Steel, Door Grille.....	243.04	17.63
<i>For 316 Stainless Steel, Add</i>	42.73	
23 37 13 13-0259    SF    >4 SF, 304 Stainless Steel, Door Grille.....	203.48	17.63
<i>For 316 Stainless Steel, Add</i>	34.82	
<b>23 37 13 13-0260</b> <b>304 Stainless Steel, Linear Bar Grilles</b> <small>(23 37 13 13-0235)</small>		
23 37 13 13-0261    SF    Up To 4 SF, 304 Stainless Steel, Linear Bar Grille.....	309.44	17.63
<i>For 316 Stainless Steel, Add</i>	56.01	
23 37 13 13-0262    SF    >4 SF, 304 Stainless Steel, Linear Bar Grille.....	265.54	17.63
<i>For 316 Stainless Steel, Add</i>	47.23	
<b>23 37 13 13-0263</b> <b>304 Stainless Steel, Hinged Filter Grilles</b> <small>(23 37 13 13-0235)</small>		
23 37 13 13-0264    SF    Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille.....	228.58	17.63
<i>For 316 Stainless Steel, Add</i>	39.84	
23 37 13 13-0265    SF    >4 SF, 304 Stainless Steel, Hinged Filter Grille.....	159.34	17.63
<i>For 316 Stainless Steel, Add</i>	25.99	
<b>23 37 13 13-0266</b> <b>304 Stainless Steel, Opposed Blade Dampers Grilles</b> <small>(23 37 13 13-0235)</small>		
23 37 13 13-0267    SF    Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille.....	125.09	17.63
<i>For 316 Stainless Steel, Add</i>	19.14	
23 37 13 13-0268    SF    Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF.....	96.29	17.63
<i>For 316 Stainless Steel, Add</i>	13.38	
<b>23 37 13 13-0269</b> <b>304 Stainless Steel, Plaster Frames Replacement</b> <small>(23 37 13 13-0235)</small>		
Note: For frequent replacement.		
23 37 13 13-0270    SF    To 4 SF, 304 Stainless Steel, Plaster Frames Replacement.....	98.38	17.63
<i>For 316 Stainless Steel, Add</i>	13.80	
23 37 13 13-0271    SF    >4 SF, 304 Stainless Steel, Plaster Frames Replacement.....	54.24	17.63
<i>For 316 Stainless Steel, Add</i>	4.97	
<b>23 37 13 13-0272</b> <b>304 Stainless Steel, Modular Louvered Ceiling Diffusers</b> <small>(23 37 13 13-0235)</small>		
23 37 13 13-0273    SF    Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser.....	225.24	17.63
<i>For 316 Stainless Steel, Add</i>	39.17	
23 37 13 13-0274    SF    >4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser.....	177.15	17.63
<i>For 316 Stainless Steel, Add</i>	29.55	
<b>23 37 13 13-0275</b> <b>304 Stainless Steel, Latticed Supply/Return Grilles</b> <small>(23 37 13 13-0235)</small>		
23 37 13 13-0276    SF    Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille.....	81.69	17.63
<i>For 316 Stainless Steel, Add</i>	10.46	
23 37 13 13-0277    SF    >4 SF, 304 Stainless Steel, Latticed Supply/Return Grille.....	81.69	17.63
<i>For 316 Stainless Steel, Add</i>	10.46	
<b>23 37 13 13-0278</b> <b>Removal And Reinstallation Of Distribution Devices</b> <small>(23 37 13 13)</small>		
Note: Includes storage and cleaning. Excludes ductwork.		
23 37 13 13-0279    EA    Removal And Reinstallation Of Variable Air Volume Terminal Unit.....	211.51	
23 37 13 13-0280    EA    Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit.....	233.28	
23 37 13 13-0281    EA    Removal And Reinstallation Of Lay-in Diffuser/Register/Grille.....	34.96	
23 37 13 13-0282    EA    Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille.....	47.36	
<b>23 37 13 43</b> <b>Security Registers and Grilles</b> <small>(23 37 13)</small>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 37 Air Outlets and Inlets**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 37 13 43-0001	Security Supply Or Return Grille <sup>(23 37 13 43)</sup>		
	Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.		
23 37 13 43-0002	EA 8" x 4" Steel Security Grille .....	253.17	16.96
	For Anchoring Tabs, Add	21.93	
	For Rear Operated Opposed Blade Damper, Add	80.13	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	54.82	
	For Stainless Steel, Add	285.04	
23 37 13 43-0003	EA 8" x 6" Steel Security Grille .....	280.89	17.52
	For Anchoring Tabs, Add	24.58	
	For Rear Operated Opposed Blade Damper, Add	89.55	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	61.46	
	For Stainless Steel, Add	319.59	
23 37 13 43-0004	EA 8" x 8" Steel Security Grille .....	321.94	19.78
	For Anchoring Tabs, Add	28.24	
	For Rear Operated Opposed Blade Damper, Add	102.79	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	70.60	
	For Stainless Steel, Add	367.09	
23 37 13 43-0005	EA 10" x 4" Steel Security Grille .....	280.95	19.21
	For Anchoring Tabs, Add	24.25	
	For Rear Operated Opposed Blade Damper, Add	88.73	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	60.63	
	For Stainless Steel, Add	315.28	
23 37 13 43-0006	EA 10" x 6" Steel Security Grille .....	299.83	20.34
	For Anchoring Tabs, Add	25.91	
	For Rear Operated Opposed Blade Damper, Add	94.77	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	64.78	
	For Stainless Steel, Add	336.87	
23 37 13 43-0007	EA 10" x 8" Steel Security Grille .....	343.07	22.04
	For Anchoring Tabs, Add	29.90	
	For Rear Operated Opposed Blade Damper, Add	109.05	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	74.75	
	For Stainless Steel, Add	388.69	
23 37 13 43-0008	EA 10" x 10" Steel Security Grille .....	383.01	23.74
	For Anchoring Tabs, Add	33.55	
	For Rear Operated Opposed Blade Damper, Add	122.19	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	83.89	
	For Stainless Steel, Add	436.20	
23 37 13 43-0009	EA 12" x 4" Steel Security Grille .....	295.43	21.48
	For Anchoring Tabs, Add	25.25	
	For Rear Operated Opposed Blade Damper, Add	92.66	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	63.12	
	For Stainless Steel, Add	328.22	
23 37 13 43-0010	EA 12" x 6" Steel Security Grille .....	329.85	23.74
	For Anchoring Tabs, Add	28.24	
	For Rear Operated Opposed Blade Damper, Add	103.58	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	70.60	
	For Stainless Steel, Add	367.09	
23 37 13 43-0011	EA 12" x 8" Steel Security Grille .....	376.44	25.43
	For Anchoring Tabs, Add	32.56	
	For Rear Operated Opposed Blade Damper, Add	119.04	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	81.39	
	For Stainless Steel, Add	423.24	
23 37 13 43-0012	EA 12" x 10" Steel Security Grille .....	409.72	27.13
	For Anchoring Tabs, Add	35.55	
	For Rear Operated Opposed Blade Damper, Add	129.84	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	88.87	
	For Stainless Steel, Add	462.11	
23 37 13 43-0013	EA 12" x 12" Steel Security Grille .....	452.98	28.82
	For Anchoring Tabs, Add	39.53	
	For Rear Operated Opposed Blade Damper, Add	144.13	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	98.84	
	For Stainless Steel, Add	513.94	
23 37 13 43-0014	EA 14" x 4" Steel Security Grille .....	315.43	23.17
	For Anchoring Tabs, Add	26.91	
	For Rear Operated Opposed Blade Damper, Add	98.82	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	67.27	
	For Stainless Steel, Add	349.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0015 EA 14" x 6" Steel Security Grille .....	355.38	24.86
For Anchoring Tabs, Add	30.56	
For Rear Operated Opposed Blade Damper, Add	111.95	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	76.41	
For Stainless Steel, Add	397.33	
23 37 13 43-0016 EA 14" x 8" Steel Security Grille .....	396.43	27.13
For Anchoring Tabs, Add	34.22	
For Rear Operated Opposed Blade Damper, Add	125.19	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	85.55	
For Stainless Steel, Add	444.83	
23 37 13 43-0017 EA 14" x 10" Steel Security Grille .....	447.46	29.39
For Anchoring Tabs, Add	38.87	
For Rear Operated Opposed Blade Damper, Add	141.92	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	97.17	
For Stainless Steel, Add	505.30	
23 37 13 43-0018 EA 14" x 12" Steel Security Grille .....	492.99	32.22
For Anchoring Tabs, Add	42.86	
For Rear Operated Opposed Blade Damper, Add	156.44	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	107.14	
For Stainless Steel, Add	557.13	
23 37 13 43-0019 EA 14" x 14" Steel Security Grille .....	530.72	34.47
For Anchoring Tabs, Add	46.18	
For Rear Operated Opposed Blade Damper, Add	168.52	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	115.45	
For Stainless Steel, Add	600.31	
23 37 13 43-0020 EA 16" x 6" Steel Security Grille .....	379.82	27.13
For Anchoring Tabs, Add	32.56	
For Rear Operated Opposed Blade Damper, Add	119.37	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	81.39	
For Stainless Steel, Add	423.24	
23 37 13 43-0021 EA 16" x 8" Steel Security Grille .....	434.17	29.39
For Anchoring Tabs, Add	37.54	
For Rear Operated Opposed Blade Damper, Add	137.27	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	93.85	
For Stainless Steel, Add	488.02	
23 37 13 43-0022 EA 16" x 10" Steel Security Grille .....	468.59	31.65
For Anchoring Tabs, Add	40.53	
For Rear Operated Opposed Blade Damper, Add	148.18	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	101.33	
For Stainless Steel, Add	526.89	
23 37 13 43-0023 EA 16" x 12" Steel Security Grille .....	528.47	33.34
For Anchoring Tabs, Add	46.18	
For Rear Operated Opposed Blade Damper, Add	168.29	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	115.45	
For Stainless Steel, Add	600.31	
23 37 13 43-0024 EA 16" x 14" Steel Security Grille .....	559.57	35.61
For Anchoring Tabs, Add	48.84	
For Rear Operated Opposed Blade Damper, Add	178.05	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	122.09	
For Stainless Steel, Add	634.87	
23 37 13 43-0025 EA 16" x 16" Steel Security Grille .....	607.27	37.87
For Anchoring Tabs, Add	53.15	
For Rear Operated Opposed Blade Damper, Add	193.61	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	132.89	
For Stainless Steel, Add	691.00	
23 37 13 43-0026 EA 18" x 6" Steel Security Grille .....	403.22	30.52
For Anchoring Tabs, Add	34.22	
For Rear Operated Opposed Blade Damper, Add	125.87	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	85.55	
For Stainless Steel, Add	444.83	
23 37 13 43-0027 EA 18" x 8" Steel Security Grille .....	460.90	32.78
For Anchoring Tabs, Add	39.53	
For Rear Operated Opposed Blade Damper, Add	144.93	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	98.84	
For Stainless Steel, Add	513.94	
23 37 13 43-0028 EA 18" x 10" Steel Security Grille .....	505.28	35.05
For Anchoring Tabs, Add	43.52	
For Rear Operated Opposed Blade Damper, Add	159.33	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	108.80	
For Stainless Steel, Add	565.76	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0029	EA		18" x 12" Steel Security Grille .....	556.31	37.30
			For Anchoring Tabs, Add	48.17	
			For Rear Operated Opposed Blade Damper, Add	176.06	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	120.43	
			For Stainless Steel, Add	626.22	
23 37 13 43-0030	EA		18" x 14" Steel Security Grille .....	595.05	36.74
			For Anchoring Tabs, Add	52.16	
			For Rear Operated Opposed Blade Damper, Add	189.90	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	130.40	
			For Stainless Steel, Add	678.05	
23 37 13 43-0031	EA		18" x 16" Steel Security Grille .....	651.59	38.43
			For Anchoring Tabs, Add	57.47	
			For Rear Operated Opposed Blade Damper, Add	208.84	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	143.68	
			For Stainless Steel, Add	747.15	
23 37 13 43-0032	EA		18" x 18" Steel Security Grille .....	698.17	40.13
			For Anchoring Tabs, Add	61.79	
			For Rear Operated Opposed Blade Damper, Add	224.30	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	154.48	
			For Stainless Steel, Add	803.30	
23 37 13 43-0033	EA		20" x 6" Steel Security Grille .....	432.13	33.34
			For Anchoring Tabs, Add	36.54	
			For Rear Operated Opposed Blade Damper, Add	134.57	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	91.36	
			For Stainless Steel, Add	475.07	
23 37 13 43-0034	EA		20" x 8" Steel Security Grille .....	488.74	36.74
			For Anchoring Tabs, Add	41.53	
			For Rear Operated Opposed Blade Damper, Add	152.69	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	103.82	
			For Stainless Steel, Add	539.85	
23 37 13 43-0035	EA		20" x 10" Steel Security Grille .....	538.64	38.43
			For Anchoring Tabs, Add	46.18	
			For Rear Operated Opposed Blade Damper, Add	169.31	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	115.45	
			For Stainless Steel, Add	600.31	
23 37 13 43-0036	EA		20" x 12" Steel Security Grille .....	592.99	40.70
			For Anchoring Tabs, Add	51.16	
			For Rear Operated Opposed Blade Damper, Add	187.20	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	127.90	
			For Stainless Steel, Add	665.09	
23 37 13 43-0037	EA		20" x 14" Steel Security Grille .....	652.86	42.39
			For Anchoring Tabs, Add	56.81	
			For Rear Operated Opposed Blade Damper, Add	207.31	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	142.02	
			For Stainless Steel, Add	738.52	
23 37 13 43-0038	EA		20" x 16" Steel Security Grille .....	706.08	44.08
			For Anchoring Tabs, Add	61.79	
			For Rear Operated Opposed Blade Damper, Add	225.09	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	154.48	
			For Stainless Steel, Add	803.30	
23 37 13 43-0039	EA		20" x 18" Steel Security Grille .....	755.98	45.78
			For Anchoring Tabs, Add	66.44	
			For Rear Operated Opposed Blade Damper, Add	241.71	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	166.11	
			For Stainless Steel, Add	863.76	
23 37 13 43-0040	EA		20" x 20" Steel Security Grille .....	815.86	47.47
			For Anchoring Tabs, Add	72.09	
			For Rear Operated Opposed Blade Damper, Add	261.81	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	180.23	
			For Stainless Steel, Add	937.18	
23 37 13 43-0041	EA		24" x 6" Steel Security Grille .....	479.89	37.30
			For Anchoring Tabs, Add	40.53	
			For Rear Operated Opposed Blade Damper, Add	149.31	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	101.33	
			For Stainless Steel, Add	526.89	
23 37 13 43-0042	EA		24" x 8" Steel Security Grille .....	543.16	40.70
			For Anchoring Tabs, Add	46.18	
			For Rear Operated Opposed Blade Damper, Add	169.76	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	115.45	
			For Stainless Steel, Add	600.31	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0043 EA 24" x 10" Steel Security Grille .....	595.25	41.82
For Anchoring Tabs, Add	51.16	
For Rear Operated Opposed Blade Damper, Add	187.43	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	127.90	
For Stainless Steel, Add	665.09	
23 37 13 43-0044 EA 24" x 12" Steel Security Grille .....	667.41	46.34
For Anchoring Tabs, Add	57.47	
For Rear Operated Opposed Blade Damper, Add	210.42	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	143.68	
For Stainless Steel, Add	747.15	
23 37 13 43-0045 EA 24" x 14" Steel Security Grille .....	720.62	48.04
For Anchoring Tabs, Add	62.46	
For Rear Operated Opposed Blade Damper, Add	228.20	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	156.14	
For Stainless Steel, Add	811.93	
23 37 13 43-0046 EA 24" x 16" Steel Security Grille .....	787.15	49.74
For Anchoring Tabs, Add	68.77	
For Rear Operated Opposed Blade Damper, Add	250.64	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	171.92	
For Stainless Steel, Add	894.00	
23 37 13 43-0047 EA 24" x 18" Steel Security Grille .....	863.61	51.43
For Anchoring Tabs, Add	76.08	
For Rear Operated Opposed Blade Damper, Add	276.55	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	190.19	
For Stainless Steel, Add	989.00	
23 37 13 43-0048 EA 24" x 20" Steel Security Grille .....	916.82	53.12
For Anchoring Tabs, Add	81.06	
For Rear Operated Opposed Blade Damper, Add	294.33	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	202.65	
For Stainless Steel, Add	1,053.78	
23 37 13 43-0049 EA 24" x 24" Steel Security Grille .....	1,029.92	56.52
For Anchoring Tabs, Add	91.69	
For Rear Operated Opposed Blade Damper, Add	332.22	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	229.23	
For Stainless Steel, Add	1,191.98	

**23 37 23 HVAC Gravity Ventilators (23 37)**

**23 37 23 13 HVAC Gravity Dome Ventilators (23 37 23)**

**23 37 23 13-0001 Rectangular Gravity Intake/Relief Ventilator Hood (23 37 23 13)**

Note: Includes flange base and bird screen. Excludes curb.

23 37 23 13-0002 EA 8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	677.98	65.43
23 37 23 13-0003 EA 8" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	722.01	74.90
23 37 23 13-0004 EA 8" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	902.23	93.17
23 37 23 13-0005 EA 8" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	961.01	99.16
23 37 23 13-0006 EA 8" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,121.65	115.40
23 37 23 13-0007 EA 10" x 10" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	797.37	74.45
23 37 23 13-0008 EA 12" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	878.25	83.93
23 37 23 13-0009 EA 12" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,013.13	90.24
23 37 23 13-0010 EA 12" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,112.35	109.37
23 37 23 13-0011 EA 12" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,272.64	117.32
23 37 23 13-0012 EA 12" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,432.76	124.53
23 37 23 13-0013 EA 14" x 14" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	948.59	84.94
23 37 23 13-0014 EA 14" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,080.99	96.79
23 37 23 13-0015 EA 14" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,213.38	108.63
23 37 23 13-0016 EA 14" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,367.75	122.51
23 37 23 13-0017 EA 14" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,544.30	138.30
23 37 23 13-0018 EA 16" x 16" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,147.11	102.76
23 37 23 13-0019 EA 16" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,191.27	106.71
23 37 23 13-0020 EA 16" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,323.65	118.56
23 37 23 13-0021 EA 16" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,500.11	134.35
23 37 23 13-0022 EA 16" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,676.55	150.14
23 37 23 13-0023 EA 16" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,919.24	171.91
23 37 23 13-0024 EA 18" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,139.48	101.30
23 37 23 13-0025 EA 18" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,325.89	117.89
23 37 23 13-0026 EA 18" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,512.42	134.47
23 37 23 13-0027 EA 18" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,719.58	152.85
23 37 23 13-0028 EA 18" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,906.00	169.43
23 37 23 13-0029 EA 20" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,202.37	112.36
23 37 23 13-0030 EA 20" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,360.00	127.13
23 37 23 13-0031 EA 20" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,517.73	141.79
23 37 23 13-0032 EA 20" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,754.28	163.90
23 37 23 13-0033 EA 20" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,931.64	180.49
23 37 23 13-0034 EA 24" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,525.29	151.05
23 37 23 13-0035 EA 24" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,692.66	167.63
23 37 23 13-0036 EA 24" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,934.52	191.55

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 37 23 13-0037	EA	24" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,120.50	209.93
23 37 23 13-0038	EA	24" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,325.13	230.23
23 37 23 13-0039	EA	30" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,825.04	171.91
23 37 23 13-0040	EA	30" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,010.93	189.40
23 37 23 13-0041	EA	30" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,213.80	208.46
23 37 23 13-0042	EA	30" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,416.56	227.64
23 37 23 13-0043	EA	30" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,940.37	276.93
23 37 23 13-0044	EA	30" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,143.25	296.00
23 37 23 13-0045	EA	36" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,120.24	213.32
23 37 23 13-0046	EA	36" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,325.88	233.96
23 37 23 13-0047	EA	36" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,784.72	280.10
23 37 23 13-0048	EA	36" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,101.13	311.91
23 37 23 13-0049	EA	36" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,291.07	331.08
23 37 23 13-0050	EA	36" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,544.19	356.47
23 37 23 13-0051	EA	36" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,987.25	401.02
23 37 23 13-0052	EA	42" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,513.43	238.80
23 37 23 13-0053	EA	42" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,120.57	296.45
23 37 23 13-0054	EA	42" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,558.35	338.07
23 37 23 13-0055	EA	42" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,685.37	350.15
23 37 23 13-0056	EA	42" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,108.99	390.31
23 37 23 13-0057	EA	42" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,518.45	429.22
23 37 23 13-0058	EA	48" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,348.93	344.73
23 37 23 13-0059	EA	48" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,622.66	372.94
23 37 23 13-0060	EA	48" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,896.27	401.14
23 37 23 13-0061	EA	48" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,326.29	445.35
23 37 23 13-0062	EA	48" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,559.94	451.22
23 37 23 13-0063	EA	54" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,875.45	388.61
23 37 23 13-0064	EA	54" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,347.13	435.88
23 37 23 13-0065	EA	54" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,716.88	472.99
23 37 23 13-0066	EA	54" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	5,022.74	503.68
23 37 23 13-0067	EA	60" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,829.92	483.82
23 37 23 13-0068	EA	60" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	5,080.03	515.75
23 37 23 13-0069	EA	60" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	5,448.35	555.34
23 37 23 13-0070	EA	66" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	5,122.39	557.94
23 37 23 13-0071	EA	66" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	5,990.07	652.46
23 37 23 13-0072	EA	72" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	6,102.32	601.59

**23 38 Ventilation Hoods** (23 30)**23 38 13 Commercial-Kitchen Hoods** (23 38)**23 38 13 13 Listed Commercial-Kitchen Hoods** (23 38 13)**23 38 13 13-0001 Universal Ventless Hood** (23 38 13 13)

23 38 13 13-0002	EA	109" Wide x 50" Deep x 102" High, Ventless Exhaust Hood With Stand, (Wells WVU-96).....	50,718.22	443.80
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**23 38 13 16 Standard Commercial-Kitchen Hoods** (23 38 13)**23 38 13 16-0001 Commercial Kitchen Hood Ventilation System** (23 38 13 16)

Note: Excludes fire suppression. See CSI section 23 34 16 00-0108 for exhaust and supply fans.

**23 38 13 16-0002 Dry Filter Exhaust Hoods** (23 38 13 16-0001)

Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.

23 38 13 16-0003	EA	8' Long x 60" Deep Dry Filter Exhaust Hood.....	11,854.28	832.64
23 38 13 16-0004	EA	8'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	12,343.40	884.69
23 38 13 16-0005	EA	9' Long x 60" Deep Dry Filter Exhaust Hood.....	13,782.82	936.73
23 38 13 16-0006	EA	9'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	14,193.32	988.77
23 38 13 16-0007	EA	10' Long x 60" Deep Dry Filter Exhaust Hood.....	14,696.59	1,040.81
23 38 13 16-0008	EA	10'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	15,229.59	1,092.85
23 38 13 16-0009	EA	11' Long x 60" Deep Dry Filter Exhaust Hood.....	15,733.48	1,144.89
23 38 13 16-0010	EA	11'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	16,253.22	1,196.93
23 38 13 16-0011	EA	12' Long x 60" Deep Dry Filter Exhaust Hood.....	16,833.56	1,248.98
23 38 13 16-0012	EA	12'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	17,334.84	1,301.01
23 38 13 16-0013	EA	13' Long x 60" Deep Dry Filter Exhaust Hood.....	17,746.35	1,353.05
23 38 13 16-0014	EA	13'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	18,451.27	1,405.09
23 38 13 16-0015	EA	14' Long x 60" Deep Dry Filter Exhaust Hood.....	20,684.67	1,457.13
23 38 13 16-0016	EA	14'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	21,237.33	1,509.17
23 38 13 16-0017	EA	15' Long x 60" Deep Dry Filter Exhaust Hood.....	21,996.02	1,561.21
23 38 13 16-0018	EA	15'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	22,561.87	1,613.26
23 38 13 16-0019	EA	16' Long x 60" Deep Dry Filter Exhaust Hood.....	23,416.97	1,665.30

**23 38 13 16-0020 Dry Extractor Exhaust Hoods** (23 38 13 16-0001)

Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.

23 38 13 16-0021	EA	8' Long x 60" Deep Dry Extractor Exhaust Hood.....	16,703.83	832.64
23 38 13 16-0022	EA	8'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	17,223.65	884.69
23 38 13 16-0023	EA	9' Long x 60" Deep Dry Extractor Exhaust Hood.....	18,755.15	936.73
23 38 13 16-0024	EA	9'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	19,288.42	988.77
23 38 13 16-0025	EA	10' Long x 60" Deep Dry Extractor Exhaust Hood.....	19,822.38	1,040.81
23 38 13 16-0026	EA	10'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	20,324.69	1,092.85



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0027 EA 11' Long x 60" Deep Dry Extractor Exhaust Hood.....	20,859.27	1,144.89
23 38 13 16-0028 EA 11'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	21,363.67	1,196.93
23 38 13 16-0029 EA 12' Long x 60" Deep Dry Extractor Exhaust Hood.....	21,836.58	1,248.98
23 38 13 16-0030 EA 12'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	22,522.02	1,301.01
23 38 13 16-0031 EA 13' Long x 60" Deep Dry Extractor Exhaust Hood.....	23,317.19	1,353.05
23 38 13 16-0032 EA 13'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	24,160.23	1,405.09
23 38 13 16-0033 EA 14' Long x 60" Deep Dry Extractor Exhaust Hood.....	25,948.58	1,457.13
23 38 13 16-0034 EA 14'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	26,808.17	1,509.17
23 38 13 16-0035 EA 15' Long x 60" Deep Dry Extractor Exhaust Hood.....	28,503.01	1,561.21
23 38 13 16-0036 EA 15'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	30,219.86	1,613.26
23 38 13 16-0037 EA 16' Long x 60" Deep Dry Extractor Exhaust Hood.....	31,919.03	1,665.30

**23 38 13 16-0038 Single Manifold Water Wash Exhaust Hoods** (23 38 13 16-0001)

Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.

23 38 13 16-0039 EA 8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	17,931.56	832.64
23 38 13 16-0040 EA 8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	18,482.07	884.69
23 38 13 16-0041 EA 9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	20,044.27	936.73
23 38 13 16-0042 EA 9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	20,592.88	988.77
23 38 13 16-0043 EA 10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	21,172.89	1,040.81
23 38 13 16-0044 EA 10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	21,705.89	1,092.85
23 38 13 16-0045 EA 11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	22,255.82	1,144.89
23 38 13 16-0046 EA 11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	22,806.25	1,196.93
23 38 13 16-0047 EA 12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	23,294.51	1,248.98
23 38 13 16-0048 EA 12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	24,041.34	1,301.01
23 38 13 16-0049 EA 13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	24,897.90	1,353.05
23 38 13 16-0050 EA 13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	25,802.33	1,405.09
23 38 13 16-0051 EA 14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	27,652.06	1,457.13
23 38 13 16-0052 EA 14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	28,573.04	1,509.17
23 38 13 16-0053 EA 15' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	30,436.69	1,561.21
23 38 13 16-0054 EA 15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	31,355.51	1,613.26
23 38 13 16-0055 EA 16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	32,272.01	1,665.30
23 38 13 16-0056 EA Fan Wash Control Panel.....	12,921.77	416.32

Note: Includes time clock and backflow preventer.

**23 38 13 16-0057 Utility Distribution System (UDS)** (23 38 13 16-0001)

Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.

23 38 13 16-0058 EA 8' Long UDS.....	32,620.63	423.41
23 38 13 16-0059 EA 8'-6" Long UDS.....	33,583.73	433.71
23 38 13 16-0060 EA 9' Long UDS.....	34,536.34	443.80
23 38 13 16-0061 EA 9'-6" Long UDS.....	35,497.19	457.95
23 38 13 16-0062 EA 10' Long UDS.....	36,452.15	469.20
23 38 13 16-0063 EA 10'-6" Long UDS.....	37,398.10	481.06
23 38 13 16-0064 EA 11' Long UDS.....	38,357.12	489.28
23 38 13 16-0065 EA 11'-6" Long UDS.....	39,315.31	502.19
23 38 13 16-0066 EA 12' Long UDS.....	40,284.27	520.41
23 38 13 16-0067 EA 12'-6" Long UDS.....	41,266.26	545.17
23 38 13 16-0068 EA 13' Long UDS.....	42,230.77	561.20
23 38 13 16-0069 EA 13'-6" Long UDS.....	43,209.03	584.10
23 38 13 16-0070 EA 14' Long UDS.....	44,178.35	602.52
23 38 13 16-0071 EA 14'-6" Long UDS.....	45,150.08	622.20
23 38 13 16-0072 EA 15' Long UDS.....	46,124.48	643.22
23 38 13 16-0073 EA 15'-6" Long UDS.....	47,101.78	665.60
23 38 13 16-0074 EA 16' Long UDS.....	48,065.93	681.52

**23 38 13 16-0075 Stainless Steel Exhaust Hood Material** (23 38 13 16)

Note: Welded seams.

23 38 13 16-0076 SF 16 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	41.40	14.57
For Type 316 Stainless Steel, Add	1.12	
23 38 13 16-0077 SF 14 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	51.76	19.43
For Type 316 Stainless Steel, Add	1.40	
23 38 13 16-0078 SF 12 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	71.85	26.23
For Type 316 Stainless Steel, Add	1.95	
23 38 13 16-0079 SF 10 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	89.90	32.06
For Type 316 Stainless Steel, Add	2.51	

**23 38 13 16-0080 Kitchen Exhaust Hood** (23 38 13 16)

23 38 13 16-0081 EA 10' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System With PSP Makeup Air (Halifax LPSHP1048).....	9,815.47	2,082.32
Note: Ductwork connections by others.		
For Type 316 Stainless Steel, Add	565.08	
23 38 13 16-0082 EA 8' x 4', Type 1, Commercial Kitchen Hood System With Short Cycle Makeup Air (Halifax SCHP848).....	8,982.54	1,665.85
Note: Ductwork connections by others.		
For Type 316 Stainless Steel, Add	565.08	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 38 Ventilation Hoods**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0083 EA 4' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP448).....	4,885.74	832.93
Note: Ductwork connections by others.		
For Type 316 Stainless Steel, Add	321.99	
23 38 13 16-0084 EA 6' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP648).....	6,270.48	1,249.39
Note: Ductwork connections by others.		
For Type 316 Stainless Steel, Add	377.17	
23 38 13 16-0085 EA 5' x 4', Type 1, Commercial Kitchen Hood System (Halifax EXHP548) .....	5,660.14	1,041.16
Note: Ductwork connections by others.		
For Type 316 Stainless Steel, Add	357.78	

**23 40 HVAC Air Cleaning Devices** <sup>(23)</sup>**23 41 Particulate Air Filtration** <sup>(23 40)</sup>**23 41 13 Panel Air Filters** <sup>(23 41)</sup>**23 41 13 00-0001 Disposable Air Filters** <sup>(23 41 13)</sup>

23 41 13 00-0002 EA Throwaway Glass Or Paper Media Filter, Residential.....	12.79	
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**23 41 13 00-0003 Disposable Fiberglass Air Filters** <sup>(23 41 13)</sup>

23 41 13 00-0004 EA 8" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5.....	12.95	5.43
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0005 EA 8" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5.....	12.95	5.43
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0006 EA 8" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5.....	12.66	5.43
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0007 EA 10" x 10" x 1" Disposable Fiberglass Air Filter, MERV 5.....	12.53	5.68
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0008 EA 10" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5.....	12.53	5.68
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0009 EA 10" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5.....	12.53	5.68
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0010 EA 10" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5.....	12.53	5.68
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0011 EA 10" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5.....	12.76	5.68
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0012 EA 12" x 12" x 1" Disposable Fiberglass Air Filter, MERV 5.....	13.25	5.93
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0013 EA 12" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5.....	13.22	5.93
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0014 EA 12" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5.....	12.56	5.93
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0015 EA 12" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5.....	12.56	5.93
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0016 EA 12" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5.....	12.56	5.93
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0017 EA 12" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5.....	15.16	5.93
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0018 EA 12" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5.....	18.14	5.93
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0019 EA 14" x 14" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.28	6.27
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0020 EA 14" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5.....	16.77	6.27
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0021 EA 14" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5.....	13.33	6.27
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0022 EA 14" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.28	6.27
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0023 EA 14" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5.....	13.33	6.27
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0024 EA 14" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5.....	15.18	6.27
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0025 EA 15" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5.....	13.46	6.45
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0026 EA 15" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5.....	13.46	6.45
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0027 EA 15" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5.....	17.81	6.45
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0028 EA 16" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5.....	13.60	6.53
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0029 EA 16" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5.....	15.22	6.53
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0030 EA 16" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5.....	13.66	6.53
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0031 EA 16" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.61	6.53
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0032 EA 16" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5.....	13.03	6.53
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0033 EA 16" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5.....	17.93	6.53
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0034 EA 16" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5.....	21.55	6.53
Note: One-piece kraft fiberboard frame with two metal grids.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0035 EA 16" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	21.25	6.53
23 41 13 00-0036 EA 18" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.95	6.78
23 41 13 00-0037 EA 18" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.58	6.78
23 41 13 00-0038 EA 18" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.95	6.78
23 41 13 00-0039 EA 18" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.21	6.78
23 41 13 00-0040 EA 18" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.04	6.78
23 41 13 00-0041 EA 18" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.14	6.78
23 41 13 00-0042 EA 19" x 27" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.74	7.12
23 41 13 00-0043 EA 20" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	13.82	7.12
23 41 13 00-0044 EA 20" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.11	7.12
23 41 13 00-0045 EA 20" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.34	7.12
23 41 13 00-0046 EA 20" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.90	7.12
23 41 13 00-0047 EA 20" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.35	7.12
23 41 13 00-0048 EA 20" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.01	7.12
23 41 13 00-0049 EA 21" x 21" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.05	7.21
23 41 13 00-0050 EA 22" x 22" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.19	7.29
23 41 13 00-0051 EA 24" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.31	7.37
23 41 13 00-0052 EA 24" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.95	7.37
23 41 13 00-0053 EA 24" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	24.44	7.37
23 41 13 00-0054 EA 25" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.42	7.46
23 41 13 00-0055 EA 25" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	24.94	7.46
23 41 13 00-0056 EA 10" x 10" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.49	5.68
23 41 13 00-0057 EA 10" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	13.41	5.68
23 41 13 00-0058 EA 12" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.77	5.93
23 41 13 00-0059 EA 14" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.22	6.27
23 41 13 00-0060 EA 14" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.22	6.27
23 41 13 00-0061 EA 15" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.55	6.45
23 41 13 00-0062 EA 16" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.42	6.53
23 41 13 00-0063 EA 16" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.26	6.53
23 41 13 00-0064 EA 16" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.66	6.53
23 41 13 00-0065 EA 18" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.69	6.78
23 41 13 00-0066 EA 20" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.26	7.12
23 41 13 00-0067 EA 20" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.99	7.12
23 41 13 00-0068 EA 20" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.99	7.12
23 41 13 00-0069 EA 24" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.62	7.37
23 41 13 00-0070 EA 25" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.73	7.46
<b>23 41 13 00-0071 Disposable Pleated Air Filters</b> <sup>(23 41 13)</sup>		
23 41 13 00-0072 EA 10" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	13.62	5.68
23 41 13 00-0073 EA 10" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	20.76	5.68
23 41 13 00-0074 EA 10" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	26.40	5.68
23 41 13 00-0075 EA 12" x 12" x 1" Disposable Pleated Air Filter, MERV 8.....	17.82	5.93
23 41 13 00-0076 EA 12" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	16.49	5.93
23 41 13 00-0077 EA 12" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	16.28	5.93
23 41 13 00-0078 EA 12" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	16.28	5.93
23 41 13 00-0079 EA 12" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	26.75	5.93
23 41 13 00-0080 EA 14" x 14" x 1" Disposable Pleated Air Filter, MERV 8.....	20.25	6.27



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41	13 00-0081	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 8	16.94	6.27
23 41	13 00-0082	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.94	6.27
23 41	13 00-0083	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 8	17.55	6.27
23 41	13 00-0084	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 8	25.69	6.27
23 41	13 00-0085	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 8	17.28	6.45
23 41	13 00-0086	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 8	20.58	6.53
23 41	13 00-0087	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 8	16.99	6.53
23 41	13 00-0088	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 8	20.01	6.53
23 41	13 00-0089	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 8	17.67	6.53
23 41	13 00-0090	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 8	26.02	6.53
23 41	13 00-0091	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 8	27.87	6.78
23 41	13 00-0092	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 8	20.31	6.78
23 41	13 00-0093	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 8	19.93	6.78
23 41	13 00-0094	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 8	19.67	6.78
23 41	13 00-0095	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 8	28.05	6.78
23 41	13 00-0096	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 8	18.58	7.12
23 41	13 00-0097	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 8	19.95	7.12
23 41	13 00-0098	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 8	19.72	7.12
23 41	13 00-0099	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 8	22.46	7.12
23 41	13 00-0100	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 8	27.53	7.29
23 41	13 00-0101	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.29	7.37
23 41	13 00-0102	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 8	34.24	7.37
23 41	13 00-0103	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 8	22.59	7.46
23 41	13 00-0104	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 8	16.28	5.68
23 41	13 00-0105	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 8	21.53	5.93
23 41	13 00-0106	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 8	17.07	5.93
23 41	13 00-0107	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 8	16.79	5.93
23 41	13 00-0108	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 8	17.75	6.27
23 41	13 00-0109	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 8	18.59	6.27
23 41	13 00-0110	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 8	17.97	6.45
23 41	13 00-0111	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 8	22.89	6.53
23 41	13 00-0112	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 8	17.57	6.53
23 41	13 00-0113	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 8	20.22	6.53
23 41	13 00-0114	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 8	18.64	6.53
23 41	13 00-0115	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 8	26.56	6.78
23 41	13 00-0116	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 8	22.48	6.78
23 41	13 00-0117	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 8	20.31	6.78
23 41	13 00-0118	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 8	21.14	6.78
23 41	13 00-0119	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 8	19.65	7.12
23 41	13 00-0120	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 8	21.16	7.12
23 41	13 00-0121	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 8	20.89	7.12
23 41	13 00-0122	EA	20" x 30" x 2" Disposable Pleated Air Filter, MERV 8	30.73	7.12
23 41	13 00-0123	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 8	22.45	7.37
23 41	13 00-0124	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 8	24.93	7.46
23 41	13 00-0125	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 8	26.33	5.93
23 41	13 00-0126	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 8	28.42	6.53
23 41	13 00-0127	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 8	30.47	6.53
23 41	13 00-0128	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 8	32.92	6.78
23 41	13 00-0129	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 8	31.16	7.12
23 41	13 00-0130	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 8	34.03	7.12
23 41	13 00-0131	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 8	34.29	7.12
23 41	13 00-0132	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 8	37.51	7.37
23 41	13 00-0133	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 11	23.89	5.68
23 41	13 00-0134	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 11	23.89	5.68
23 41	13 00-0135	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 11	31.30	5.68
23 41	13 00-0136	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 11	25.35	5.93
23 41	13 00-0137	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 11	24.68	5.93
23 41	13 00-0138	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 11	24.57	5.93
23 41	13 00-0139	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 11	35.60	5.93
23 41	13 00-0140	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 11	28.88	6.27
23 41	13 00-0141	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 11	25.30	6.27
23 41	13 00-0142	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 11	33.01	6.27
23 41	13 00-0143	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 11	32.26	6.27
23 41	13 00-0144	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 11	38.07	6.27
23 41	13 00-0145	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 11	24.20	6.45
23 41	13 00-0146	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 11	34.76	6.53
23 41	13 00-0147	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 11	22.51	6.53
23 41	13 00-0148	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 11	29.38	6.53
23 41	13 00-0149	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 11	26.90	6.53
23 41	13 00-0150	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 11	35.91	6.53
23 41	13 00-0151	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 11	36.72	6.78
23 41	13 00-0152	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 11	30.98	6.78
23 41	13 00-0153	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 11	27.81	6.78
23 41	13 00-0154	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 11	29.72	6.78
23 41	13 00-0155	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 11	41.67	6.78
23 41	13 00-0156	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 11	27.88	7.12
23 41	13 00-0157	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 11	30.72	7.12
23 41	13 00-0158	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 11	31.02	7.12
23 41	13 00-0159	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 11	36.31	7.12
23 41	13 00-0160	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 11	40.30	7.29
23 41	13 00-0161	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 11	33.73	7.37



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 41 13 00-0162	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 11	.....	44.10	7.37
23 41 13 00-0163	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 11	.....	38.10	7.46
23 41 13 00-0164	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 11	.....	24.33	5.68
23 41 13 00-0165	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 11	.....	25.64	5.93
23 41 13 00-0166	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 11	.....	24.32	5.93
23 41 13 00-0167	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 11	.....	28.74	5.93
23 41 13 00-0168	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 11	.....	25.60	6.27
23 41 13 00-0169	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 11	.....	26.88	6.27
23 41 13 00-0170	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 11	.....	26.29	6.45
23 41 13 00-0171	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 11	.....	35.51	6.53
23 41 13 00-0172	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 11	.....	30.78	6.53
23 41 13 00-0173	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 11	.....	29.98	6.53
23 41 13 00-0174	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 11	.....	34.09	6.53
23 41 13 00-0175	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 11	.....	41.04	6.78
23 41 13 00-0176	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 11	.....	32.32	6.78
23 41 13 00-0177	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 11	.....	37.04	6.78
23 41 13 00-0178	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 11	.....	31.95	6.78
23 41 13 00-0179	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 11	.....	35.50	7.12
23 41 13 00-0180	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 11	.....	38.13	7.12
23 41 13 00-0181	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 11	.....	38.51	7.12
23 41 13 00-0182	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 11	.....	38.47	7.37
23 41 13 00-0183	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 11	.....	38.96	7.46
23 41 13 00-0184	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 11	.....	47.31	5.93
23 41 13 00-0185	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 11	.....	48.38	6.53
23 41 13 00-0186	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 11	.....	57.81	6.53
23 41 13 00-0187	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 11	.....	57.69	6.78
23 41 13 00-0188	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 11	.....	57.42	7.12
23 41 13 00-0189	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 11	.....	63.35	7.12
23 41 13 00-0190	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 11	.....	63.35	7.12
23 41 13 00-0191	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 11	.....	70.79	7.37
23 41 13 00-0192	EA	8" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	30.76	5.43
23 41 13 00-0193	EA	8" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	30.76	5.43
23 41 13 00-0194	EA	8" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	30.76	5.43
23 41 13 00-0195	EA	10" x 10" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	31.10	5.68
23 41 13 00-0196	EA	10" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	29.72	5.68
23 41 13 00-0197	EA	10" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	31.10	5.68
23 41 13 00-0198	EA	10" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	31.10	5.68
23 41 13 00-0199	EA	10" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	31.10	5.68
23 41 13 00-0200	EA	12" x 12" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	30.07	5.93
23 41 13 00-0201	EA	12" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	31.45	5.93
23 41 13 00-0202	EA	12" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	30.07	5.93
23 41 13 00-0203	EA	12" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	30.07	5.93
23 41 13 00-0204	EA	12" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	31.45	5.93
23 41 13 00-0205	EA	12" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	31.45	5.93
23 41 13 00-0206	EA	12" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	32.84	5.93
23 41 13 00-0207	EA	14" x 14" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	30.52	6.27
23 41 13 00-0208	EA	14" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	31.90	6.27
23 41 13 00-0209	EA	14" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	30.52	6.27
23 41 13 00-0210	EA	14" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	30.52	6.27
23 41 13 00-0211	EA	14" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	30.52	6.27
23 41 13 00-0212	EA	14" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	31.90	6.27
23 41 13 00-0213	EA	15" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	30.74	6.45
23 41 13 00-0214	EA	15" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	32.12	6.45
23 41 13 00-0215	EA	15" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	32.12	6.45
23 41 13 00-0216	EA	16" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	30.85	6.53
23 41 13 00-0217	EA	16" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	32.23	6.53
23 41 13 00-0218	EA	16" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	30.85	6.53
23 41 13 00-0219	EA	16" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	30.85	6.53
23 41 13 00-0220	EA	16" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	30.85	6.53
23 41 13 00-0221	EA	16" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	32.23	6.53
23 41 13 00-0222	EA	16" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	32.23	6.53
23 41 13 00-0223	EA	16" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	36.73	6.53
23 41 13 00-0224	EA	18" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	31.19	6.78
23 41 13 00-0225	EA	18" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	33.96	6.78
23 41 13 00-0226	EA	18" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	31.19	6.78
23 41 13 00-0227	EA	18" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	33.96	6.78
23 41 13 00-0228	EA	18" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	33.96	6.78
23 41 13 00-0229	EA	18" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	37.07	6.78
23 41 13 00-0230	EA	19" x 27" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	34.42	7.12
23 41 13 00-0231	EA	20" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	31.65	7.12
23 41 13 00-0232	EA	20" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	31.65	7.12
23 41 13 00-0233	EA	20" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	31.65	7.12
23 41 13 00-0234	EA	20" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	33.03	7.12
23 41 13 00-0235	EA	20" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	37.53	7.12
23 41 13 00-0236	EA	20" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	37.53	7.12
23 41 13 00-0237	EA	21" x 21" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	34.53	7.21
23 41 13 00-0238	EA	22" x 22" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	33.25	7.29
23 41 13 00-0239	EA	24" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	36.14	7.37
23 41 13 00-0240	EA	24" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	36.14	7.37
23 41 13 00-0241	EA	24" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	40.64	7.37
23 41 13 00-0242	EA	25" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	36.25	7.46

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0243 EA 25" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	40.75	7.46
23 41 13 00-0244 EA 30" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	40.97	7.63
<b>23 41 13 00-0245 Carbon Vapor Trap, Disposable V-Bank Filter (23 41 13)</b>		
23 41 13 00-0246 EA 24" x 24" x 12" Thick Carbon Vapor, Disposable V-Bank Filter .....	905.00	16.96
<b>23 41 13 00-0247 Electrostatic Air Filters With Frame, Element And Busbar (23 41 13)</b>		
23 41 13 00-0248 MF3 Electrostatic Air Filter, High Efficiency Non Supported With Frame, Element And Busbar .....	72.04	
23 41 13 00-0249 MF3 Electrostatic Air Filter, Medium Efficiency Non Supported With Frame, Element And Busbar.....	69.58	
23 41 13 00-0250 MF3 Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar .....	3.00	
<b>23 41 16 Renewable-Media Air Filters (23 41)</b>		
<b>23 41 16 00-0001 Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar (23 41 16)</b>		
23 41 16 00-0002 MF3 Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar.....	123.98	
<b>23 41 19 Washable Air Filters (23 41)</b>		
<b>23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar (23 41 19)</b>		
23 41 19 00-0002 MF3 Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar .....	47.34	
<b>23 41 33 High-Efficiency Particulate Filtration (23 41)</b>		
<b>23 41 33 00-0001 High Efficiency Particulate Air (HEPA) Filters (23 41 33)</b>		
Note: Includes particle board and kraft paper frame and separator material.		
<b>23 41 33 00-0002 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% (23 41 33 00-0001)</b>		
23 41 33 00-0003 EA 12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete.....	125.54	15.82
For Removal And Replacement In Existing Equipment, Add	3.17	
For >10 To 25, Deduct	-3.14	
For >25 To 50, Deduct	-6.28	
For >50 To 100, Deduct	-9.42	
For >100, Deduct	-12.55	
23 41 33 00-0004 EA 24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete.....	167.23	18.09
For Removal And Replacement In Existing Equipment, Add	3.62	
For >10 To 25, Deduct	-4.18	
For >25 To 50, Deduct	-8.36	
For >50 To 100, Deduct	-12.54	
For >100, Deduct	-16.72	
23 41 33 00-0005 EA 24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete.....	195.74	20.91
For Removal And Replacement In Existing Equipment, Add	4.18	
For >10 To 25, Deduct	-4.89	
For >25 To 50, Deduct	-9.79	
For >50 To 100, Deduct	-14.68	
For >100, Deduct	-19.57	
23 41 33 00-0006 EA 24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete.....	224.29	23.74
For Removal And Replacement In Existing Equipment, Add	4.75	
For >10 To 25, Deduct	-5.61	
For >25 To 50, Deduct	-11.21	
For >50 To 100, Deduct	-16.82	
For >100, Deduct	-22.43	
23 41 33 00-0007 EA 12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete.....	153.20	16.96
For Removal And Replacement In Existing Equipment, Add	3.39	
For >10 To 25, Deduct	-3.83	
For >25 To 50, Deduct	-7.66	
For >50 To 100, Deduct	-11.49	
For >100, Deduct	-15.32	
23 41 33 00-0008 EA 24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete.....	206.06	19.78
For Removal And Replacement In Existing Equipment, Add	3.96	
For >10 To 25, Deduct	-5.15	
For >25 To 50, Deduct	-10.30	
For >50 To 100, Deduct	-15.45	
For >100, Deduct	-20.61	
23 41 33 00-0009 EA 24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete.....	246.41	22.61
For Removal And Replacement In Existing Equipment, Add	4.52	
For >10 To 25, Deduct	-6.16	
For >25 To 50, Deduct	-12.32	
For >50 To 100, Deduct	-18.48	
For >100, Deduct	-24.64	
23 41 33 00-0010 EA 24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete.....	292.42	28.26
For Removal And Replacement In Existing Equipment, Add	5.65	
For >10 To 25, Deduct	-7.31	
For >25 To 50, Deduct	-14.62	
For >50 To 100, Deduct	-21.93	
For >100, Deduct	-29.24	
<b>23 41 33 00-0011 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99% (23 41 33 00-0001)</b>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0012 EA 12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete .....	107.49	14.13
For Removal And Replacement In Existing Equipment, Add	2.83	
For >10 To 25, Deduct	-2.69	
For >25 To 50, Deduct	-5.37	
For >50 To 100, Deduct	-8.06	
For >100, Deduct	-10.75	
23 41 33 00-0013 EA 24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete .....	149.05	16.96
For Removal And Replacement In Existing Equipment, Add	3.39	
For >10 To 25, Deduct	-3.73	
For >25 To 50, Deduct	-7.45	
For >50 To 100, Deduct	-11.18	
For >100, Deduct	-14.91	
23 41 33 00-0014 EA 24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete .....	228.75	19.78
For Removal And Replacement In Existing Equipment, Add	3.96	
For >10 To 25, Deduct	-5.72	
For >25 To 50, Deduct	-11.44	
For >50 To 100, Deduct	-17.16	
For >100, Deduct	-22.88	
23 41 33 00-0015 EA 36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete .....	294.40	22.61
For Removal And Replacement In Existing Equipment, Add	4.52	
For >10 To 25, Deduct	-7.36	
For >25 To 50, Deduct	-14.72	
For >50 To 100, Deduct	-22.08	
For >100, Deduct	-29.44	
23 41 33 00-0016 EA 8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete .....	101.77	11.30
For Removal And Replacement In Existing Equipment, Add	2.26	
For >10 To 25, Deduct	-2.54	
For >25 To 50, Deduct	-5.09	
For >50 To 100, Deduct	-7.63	
For >100, Deduct	-10.18	
23 41 33 00-0017 EA 12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete .....	134.85	15.26
For Removal And Replacement In Existing Equipment, Add	3.05	
For >10 To 25, Deduct	-3.37	
For >25 To 50, Deduct	-6.74	
For >50 To 100, Deduct	-10.11	
For >100, Deduct	-13.49	
23 41 33 00-0018 EA 24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete .....	181.79	18.09
For Removal And Replacement In Existing Equipment, Add	3.62	
For >10 To 25, Deduct	-4.54	
For >25 To 50, Deduct	-9.09	
For >50 To 100, Deduct	-13.63	
For >100, Deduct	-18.18	
23 41 33 00-0019 EA 24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete .....	213.42	21.20
For Removal And Replacement In Existing Equipment, Add	4.24	
For >10 To 25, Deduct	-5.34	
For >25 To 50, Deduct	-10.67	
For >50 To 100, Deduct	-16.01	
For >100, Deduct	-21.34	
23 41 33 00-0020 EA 24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete .....	243.93	23.74
For Removal And Replacement In Existing Equipment, Add	4.75	
For >10 To 25, Deduct	-6.10	
For >25 To 50, Deduct	-12.20	
For >50 To 100, Deduct	-18.29	
For >100, Deduct	-24.39	
23 41 33 00-0021 EA 12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete .....	166.45	16.96
For Removal And Replacement In Existing Equipment, Add	3.39	
For >10 To 25, Deduct	-4.16	
For >25 To 50, Deduct	-8.32	
For >50 To 100, Deduct	-12.48	
For >100, Deduct	-16.65	
23 41 33 00-0022 EA 24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete .....	224.57	19.78
For Removal And Replacement In Existing Equipment, Add	3.96	
For >10 To 25, Deduct	-5.61	
For >25 To 50, Deduct	-11.23	
For >50 To 100, Deduct	-16.84	
For >100, Deduct	-22.46	
23 41 33 00-0023 EA 24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete .....	268.77	22.61
For Removal And Replacement In Existing Equipment, Add	4.52	
For >10 To 25, Deduct	-6.72	
For >25 To 50, Deduct	-13.44	
For >50 To 100, Deduct	-20.16	
For >100, Deduct	-26.88	
23 41 33 00-0024 EA 24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete .....	331.09	28.26
For Removal And Replacement In Existing Equipment, Add	5.65	
For >10 To 25, Deduct	-8.28	
For >25 To 50, Deduct	-16.55	
For >50 To 100, Deduct	-24.83	
For >100, Deduct	-33.11	

**23 41 33 00-0025 High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal** (23 41 33)

Note: Nominal sizes.

23 41 33 00-0026 EA 12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	302.37	84.33
23 41 33 00-0027 EA 24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	562.49	167.62
23 41 33 00-0028 EA 24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	571.55	167.62

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 41 33 00-0029	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	577.58	167.62
23 41 33 00-0030	EA	24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	619.83	167.62
23 41 33 00-0031	EA	24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	672.63	167.62
23 41 33 00-0032	EA	48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	1,088.78	336.30
23 41 33 00-0033	EA	48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	1,217.02	336.30
23 41 33 00-0034	EA	48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	1,379.96	336.30
23 41 33 00-0035	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	328.02	84.33
23 41 33 00-0036	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	606.25	167.62
23 41 33 00-0037	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	616.81	167.62
23 41 33 00-0038	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	624.35	167.62
23 41 33 00-0039	EA	24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	674.14	167.62
23 41 33 00-0040	EA	24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	740.52	167.62
23 41 33 00-0041	EA	48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	1,194.39	336.30
23 41 33 00-0042	EA	48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	1,354.31	336.30
23 41 33 00-0043	EA	48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	1,556.48	336.30

**23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency (23 41 33)**

23 41 33 00-0045	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency .....	263.64	109.32
23 41 33 00-0046	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency .....	305.85	109.32

**23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency (23 41 33)**

23 41 33 00-0048	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency .....	258.79	109.32
23 41 33 00-0049	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency .....	289.94	109.32

**23 42 Gas-Phase Air Filtration (23 40)****23 42 13 Activated-Carbon Air Filtration (23 42)**

23 42 13 00-0001	EA	12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter .....	45.27	8.48
23 42 13 00-0002	EA	16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter .....	45.79	8.48
23 42 13 00-0003	EA	16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter .....	46.11	8.48
23 42 13 00-0004	EA	20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter .....	46.11	8.48
23 42 13 00-0005	EA	20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter .....	50.07	8.48
23 42 13 00-0006	EA	24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter .....	56.58	8.48
23 42 13 00-0007	EA	12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter .....	57.30	9.61
23 42 13 00-0008	EA	16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter .....	57.74	9.61
23 42 13 00-0009	EA	16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter .....	58.12	9.61
23 42 13 00-0010	EA	20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter .....	58.12	9.61
23 42 13 00-0011	EA	20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter .....	62.49	9.61
23 42 13 00-0012	EA	24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter .....	74.69	9.61
23 42 13 00-0013	EA	16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter .....	27.16	8.48
23 42 13 00-0014	EA	16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter .....	29.05	8.48
23 42 13 00-0015	EA	20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter .....	29.11	8.48
23 42 13 00-0016	EA	20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter .....	31.58	8.48
23 42 13 00-0017	EA	24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter .....	33.77	8.48
23 42 13 00-0018	EA	16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter .....	31.47	9.61
23 42 13 00-0019	EA	16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter .....	34.75	9.61
23 42 13 00-0020	EA	20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter .....	35.44	9.61
23 42 13 00-0021	EA	20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter .....	39.51	9.61
23 42 13 00-0022	EA	24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter .....	42.10	9.61
23 42 13 00-0023	EA	24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter .....	69.98	10.17

**23 43 Electronic Air Cleaners (23 40)****23 43 23 Self-Contained Electronic Air Cleaners (23 43)****23 43 23 00-0001 Stationary Floor, Room Air Purifier (23 43 23)**

23 43 23 00-0002	EA	Stationary Floor Room Air Purifier, Up to 390 SF (Blueair Pro M) .....	1,085.85	
23 43 23 00-0003	EA	Stationary Floor Room Air Purifier, Up to 780 SF (Blueair Pro L) .....	1,512.27	
23 43 23 00-0004	EA	Stationary Floor Room Air Purifier, Up to 1,180 SF (Blueair Pro XL) .....	3,827.07	
23 43 23 00-0005	EA	Stationary Floor Room Air Purifier, Up to 550 SF (Delos Compact) .....	855.91	
23 43 23 00-0006	EA	Stationary Floor Room Air Purifier, Up to 1,125 SF (Delos 468 Ultrafine) .....	1,541.22	
23 43 23 00-0007	EA	Stationary Floor Room Air Purifier, Up to 3,500 SF (Delos 980P Commercial) .....	6,109.92	

**23 43 23 00-0008 Surface Mounted, Room Air Purifier (23 43 23)**

23 43 23 00-0009	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F114A1067) .....	2,692.45	
23 43 23 00-0010	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F115A1064) .....	3,794.19	
23 43 23 00-0011	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F111A1063W-3S) .....	4,355.46	

**23 43 23 00-0012 Suspension Ceiling Mounted, Room Air Purifier (23 43 23)**

23 43 23 00-0013	EA	2' x 4' Suspension Ceiling Mounted, Air Purification System (Armstrong VidaShield UV24) .....	3,534.91	
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**23 43 23 00-0014 Wall Mounted, Room Air Purifier (23 43 23)**

23 43 23 00-0015	EA	Air Purifier, Wall Mount, Bipolar Ionizer (Bi-Polar 2400) .....	913.29	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 43 23 00-0016 Duct Mounted, Ionization System</b> <small>(23 43 23)</small>		
23 43 23 00-0017 EA Up To 10,000 CFM, 120/240 VAC, 50 Watt, 8 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 500FC).....	11,248.18	452.14
23 43 23 00-0018 EA Up To 15,000 CFM, 120/240 VAC, 50 Watt, 5 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 508FC).....	15,276.77	565.18
<b>23 50 Central Heating Equipment</b> <small>(23)</small>		
<small>Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.</small>		
<b>23 51 Breechings, Chimneys, and Stacks</b> <small>(23 50)</small>		
<b>23 51 13 Draft Control Devices</b> <small>(23 51)</small>		
<b>23 51 13 13 Draft-Induction Fans</b> <small>(23 51 13)</small>		
23 51 13 13-0001 Vertical Discharge Fans <small>(23 51 13 13)</small> <small>Note: Includes chimney adapter. Excludes wiring.</small>		
23 51 13 13-0002 Axial Vane Vertical Discharge Fans <small>(23 51 13 13-0001)</small>		
23 51 13 13-0003 EA 450 CFM Vertical Discharge Chimney Fan, Axial Vane.....	2,763.15	229.06
23 51 13 13-0004 EA 950 CFM Vertical Discharge Chimney Fan, Axial Vane.....	3,130.17	249.88
23 51 13 13-0005 EA 1,400 CFM Vertical Discharge Chimney Fan, Axial Vane.....	3,751.64	275.91
23 51 13 13-0006 EA 1,800 CFM Vertical Discharge Chimney Fan, Axial Vane.....	4,893.34	320.15
23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans <small>(23 51 13 13-0001)</small>		
23 51 13 13-0008 EA 700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	3,315.56	249.88
23 51 13 13-0009 EA 1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	4,036.49	275.91
23 51 13 13-0010 EA 2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	5,233.04	322.76
23 51 13 13-0011 EA 3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	6,192.45	361.80
23 51 13 13-0012 Accessories For Vertical Discharge Fans <small>(23 51 13 13-0001)</small>		
23 51 13 13-0013 EA Modulating Fan Controller And Sensor.....	400.23	78.08
<b>23 51 13 16 Vent Dampers</b> <small>(23 51 13)</small>		
23 51 13 16-0001 Flue Shutter Draft Control Damper, Parallel Blade <small>(23 51 13 16)</small>		
23 51 13 16-0002 EA 3" Round Flue Shutter Draft Control Damper .....	861.34	46.23
23 51 13 16-0003 EA 4" Round Flue Shutter Draft Control Damper .....	944.55	49.04
23 51 13 16-0004 EA 5" Round Flue Shutter Draft Control Damper .....	1,042.96	52.06
23 51 13 16-0005 EA 6" Round Flue Shutter Draft Control Damper .....	1,114.29	55.52
23 51 13 16-0006 EA 7" Round Flue Shutter Draft Control Damper .....	1,216.67	59.47
23 51 13 16-0007 EA 8" Round Flue Shutter Draft Control Damper .....	1,292.42	64.03
23 51 13 16-0008 EA 10" Round Flue Shutter Draft Control Damper .....	1,429.00	69.43
23 51 13 16-0009 EA 12" Round Flue Shutter Draft Control Damper .....	1,569.18	75.71
23 51 13 16-0010 EA 14" Round Flue Shutter Draft Control Damper .....	1,756.96	79.39
23 51 13 16-0011 EA 16" Round Flue Shutter Draft Control Damper .....	1,887.60	83.29
23 51 13 16-0012 EA 18" Round Flue Shutter Draft Control Damper .....	2,062.55	87.46
23 51 13 16-0013 EA 20" Round Flue Shutter Draft Control Damper .....	2,439.15	138.47
23 51 13 16-0014 EA 22" Round Flue Shutter Draft Control Damper .....	2,675.06	147.07
23 51 13 16-0015 EA 24" Round Flue Shutter Draft Control Damper .....	2,898.82	156.18
23 51 13 16-0016 EA 26" Round Flue Shutter Draft Control Damper .....	2,948.12	161.38
23 51 13 16-0017 EA 28" Round Flue Shutter Draft Control Damper .....	3,040.98	166.59
23 51 13 16-0018 EA 30" Round Flue Shutter Draft Control Damper .....	3,125.85	177.00
23 51 13 16-0019 EA 32" Round Flue Shutter Draft Control Damper .....	3,262.01	182.09
23 51 13 16-0020 EA 34" Round Flue Shutter Draft Control Damper .....	3,403.98	192.50
23 51 13 16-0021 EA 36" Round Flue Shutter Draft Control Damper .....	3,567.42	208.23
23 51 13 16-0022 EA 38" Round Flue Shutter Draft Control Damper .....	3,747.93	215.38
23 51 13 16-0023 EA 40" Round Flue Shutter Draft Control Damper .....	3,914.42	218.65
23 51 13 16-0024 EA 42" Round Flue Shutter Draft Control Damper .....	4,106.68	229.06
23 51 13 16-0025 EA 44" Round Flue Shutter Draft Control Damper .....	4,300.06	239.47
23 51 13 16-0026 EA 46" Round Flue Shutter Draft Control Damper .....	4,493.96	249.88
23 51 13 16-0027 EA 48" Round Flue Shutter Draft Control Damper .....	4,687.06	260.29
<b>23 51 13 19 Barometric Dampers</b> <small>(23 51 13)</small>		
23 51 13 19-0001 Barometric Dampers <small>(23 51 13 19)</small>		
23 51 13 19-0002 EA 6" x 6" Barometric Damper .....	395.96	9.03
23 51 13 19-0003 EA 12" x 12" Barometric Damper .....	572.69	12.41
23 51 13 19-0004 EA 18" x 18" Barometric Damper .....	768.03	19.18
23 51 13 19-0005 EA 24" x 24" Barometric Damper .....	921.54	36.10
23 51 13 19-0006 EA 6" Diameter Barometric Damper .....	195.22	9.03
<i>For Stainless Steel, Add</i>	<i>208.27</i>	
23 51 13 19-0007 EA 7" Diameter Barometric Damper .....	230.94	10.15
<i>For Stainless Steel, Add</i>	<i>247.43</i>	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 51 Breechings, Chimneys, and Stacks**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 13 19-0008	EA		8" Diameter Barometric Damper .....	267.95	11.28
			<i>For Stainless Steel, Add</i>	286.95	
23 51 13 19-0009	EA		9" Diameter Barometric Damper .....	329.24	11.28
			<i>For Stainless Steel, Add</i>	363.49	
23 51 13 19-0010	EA		10" Diameter Barometric Damper .....	433.00	13.54
			<i>For Stainless Steel, Add</i>	495.22	
23 51 13 19-0011	EA		12" Diameter Barometric Damper .....	549.32	14.67
			<i>For Stainless Steel, Add</i>	638.69	
23 51 13 19-0012	EA		14" Diameter Barometric Damper .....	690.05	15.80
			<i>For Stainless Steel, Add</i>	814.57	
23 51 13 19-0013	EA		15" Diameter Barometric Damper .....	823.13	16.92
			<i>For Stainless Steel, Add</i>	979.06	
23 51 13 19-0014	EA		16" Diameter Barometric Damper .....	954.56	19.18
			<i>For Stainless Steel, Add</i>	1,143.17	
23 51 13 19-0015	EA		18" Diameter Barometric Damper .....	1,256.08	20.31
			<i>For Stainless Steel, Add</i>	1,527.32	
23 51 13 19-0016	EA		20" Diameter Barometric Damper .....	1,494.55	22.57
			<i>For Stainless Steel, Add</i>	1,828.15	
23 51 13 19-0017	EA		24" Diameter Barometric Damper .....	1,801.19	22.57
			<i>For Stainless Steel, Add</i>	2,221.56	
23 51 13 19-0018	EA		30" Diameter Barometric Damper .....	2,219.84	25.94
			<i>For Stainless Steel, Add</i>	2,753.80	
23 51 13 19-0019	EA		36" Diameter Barometric Damper .....	2,830.40	27.07
			<i>For Stainless Steel, Add</i>	3,540.60	

**23 51 16 Fabricated Breechings and Accessories (23 51)**

23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)

23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0001)

23 51 16 00-0003	LF		3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	28.87	9.26
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.32	
			<i>For 304 Stainless Steel Liner, Add</i>	0.43	
			<i>For 2" Wall Instead Of 1", Add</i>	4.04	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	7.21	
23 51 16 00-0004	LF		4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	30.94	9.79
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.39	
			<i>For 304 Stainless Steel Liner, Add</i>	0.53	
			<i>For 2" Wall Instead Of 1", Add</i>	4.51	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	7.95	
23 51 16 00-0005	LF		5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	34.13	10.41
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.46	
			<i>For 304 Stainless Steel Liner, Add</i>	0.63	
			<i>For 2" Wall Instead Of 1", Add</i>	5.09	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.92	
23 51 16 00-0006	LF		6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	37.17	11.14
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.53	
			<i>For 304 Stainless Steel Liner, Add</i>	0.73	
			<i>For 2" Wall Instead Of 1", Add</i>	5.66	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.86	
23 51 16 00-0007	LF		7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	43.42	11.87
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.79	
			<i>For 304 Stainless Steel Liner, Add</i>	1.07	
			<i>For 2" Wall Instead Of 1", Add</i>	7.21	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	12.26	
23 51 16 00-0008	LF		8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	48.27	12.81
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.88	
			<i>For 304 Stainless Steel Liner, Add</i>	1.20	
			<i>For 2" Wall Instead Of 1", Add</i>	8.02	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	13.64	
23 51 16 00-0009	LF		10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	68.62	13.75
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	1.85	
			<i>For 304 Stainless Steel Liner, Add</i>	2.53	
			<i>For 2" Wall Instead Of 1", Add</i>	13.60	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	22.14	
23 51 16 00-0010	LF		12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	83.08	15.20
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	2.48	
			<i>For 304 Stainless Steel Liner, Add</i>	3.39	
			<i>For 2" Wall Instead Of 1", Add</i>	17.34	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	27.91	
23 51 16 00-0011	LF		14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	115.54	15.82
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	4.17	
			<i>For 304 Stainless Steel Liner, Add</i>	5.69	
			<i>For 2" Wall Instead Of 1", Add</i>	26.73	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	42.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0012 LF 16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	143.76	16.66
Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
<i>For Aluminum Liner, Add</i>	5.63	
<i>For 304 Stainless Steel Liner, Add</i>	7.67	
<i>For 2" Wall Instead Of 1", Add</i>	34.84	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	54.33	
23 51 16 00-0013 LF 18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	176.32	17.50
Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
<i>For Aluminum Liner, Add</i>	7.27	
<i>For 304 Stainless Steel Liner, Add</i>	9.91	
<i>For 2" Wall Instead Of 1", Add</i>	44.06	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	68.30	
23 51 16 00-0014 LF 20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	225.45	27.79
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
<i>For Aluminum Liner, Add</i>	8.63	
<i>For 304 Stainless Steel Liner, Add</i>	11.76	
<i>For 2" Wall Instead Of 1", Add</i>	53.92	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	84.31	
23 51 16 00-0015 LF 22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	271.87	29.36
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
<i>For Aluminum Liner, Add</i>	10.88	
<i>For 304 Stainless Steel Liner, Add</i>	14.83	
<i>For 2" Wall Instead Of 1", Add</i>	66.74	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	103.82	
23 51 16 00-0016 LF 24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	322.54	31.23
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
<i>For Aluminum Liner, Add</i>	13.41	
<i>For 304 Stainless Steel Liner, Add</i>	18.29	
<i>For 2" Wall Instead Of 1", Add</i>	81.02	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	125.46	
23 51 16 00-0017 LF 26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	373.84	32.28
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
<i>For Aluminum Liner, Add</i>	16.13	
<i>For 304 Stainless Steel Liner, Add</i>	21.99	
<i>For 2" Wall Instead Of 1", Add</i>	96.04	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	148.08	
23 51 16 00-0018 LF 28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	391.87	33.32
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
<i>For Aluminum Liner, Add</i>	16.97	
<i>For 304 Stainless Steel Liner, Add</i>	23.15	
<i>For 2" Wall Instead Of 1", Add</i>	100.91	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	155.53	
23 51 16 00-0019 LF 30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	416.50	35.72
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
<i>For Aluminum Liner, Add</i>	18.00	
<i>For 304 Stainless Steel Liner, Add</i>	24.55	
<i>For 2" Wall Instead Of 1", Add</i>	107.12	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	165.14	
23 51 16 00-0020 LF 32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	470.97	37.07
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
<i>For Aluminum Liner, Add</i>	20.82	
<i>For 304 Stainless Steel Liner, Add</i>	28.39	
<i>For 2" Wall Instead Of 1", Add</i>	122.80	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	188.82	
23 51 16 00-0021 LF 34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	527.38	38.42
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
<i>For Aluminum Liner, Add</i>	23.73	
<i>For 304 Stainless Steel Liner, Add</i>	32.35	
<i>For 2" Wall Instead Of 1", Add</i>	139.01	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	213.32	
23 51 16 00-0022 LF 36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	555.08	39.98
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
<i>For Aluminum Liner, Add</i>	25.04	
<i>For 304 Stainless Steel Liner, Add</i>	34.14	
<i>For 2" Wall Instead Of 1", Add</i>	146.56	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	224.83	
23 51 16 00-0023 LF 38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	601.85	41.64
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
<i>For Aluminum Liner, Add</i>	27.38	
<i>For 304 Stainless Steel Liner, Add</i>	37.34	
<i>For 2" Wall Instead Of 1", Add</i>	159.76	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	244.84	
23 51 16 00-0024 LF 40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	662.72	43.42
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
<i>For Aluminum Liner, Add</i>	30.48	
<i>For 304 Stainless Steel Liner, Add</i>	41.56	
<i>For 2" Wall Instead Of 1", Add</i>	177.10	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	271.08	
23 51 16 00-0025 LF 42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	693.32	45.39
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
<i>For Aluminum Liner, Add</i>	31.88	
<i>For 304 Stainless Steel Liner, Add</i>	43.48	
<i>For 2" Wall Instead Of 1", Add</i>	185.27	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	283.59	
23 51 16 00-0026 LF 44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	766.93	47.58
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
<i>For Aluminum Liner, Add</i>	35.64	
<i>For 304 Stainless Steel Liner, Add</i>	48.59	
<i>For 2" Wall Instead Of 1", Add</i>	206.28	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	315.36	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0027	LF		46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	832.53	49.98
			<i>For Aluminum Liner, Add</i>	38.92	
			<i>For 304 Stainless Steel Liner, Add</i>	53.07	
			<i>For 2" Wall Instead Of 1", Add</i>	224.77	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	343.40	
23 51 16 00-0028	LF		48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	915.57	52.58
			<i>For Aluminum Liner, Add</i>	43.14	
			<i>For 304 Stainless Steel Liner, Add</i>	58.82	
			<i>For 2" Wall Instead Of 1", Add</i>	248.42	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	379.19	
<b>23 51 16 00-0029</b>			<b>90 Degree Elbows</b> <small>(23 51 16 00-0001)</small>		
23 51 16 00-0030	EA		3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	72.31	18.53
			<i>For Aluminum Liner, Add</i>	1.45	
			<i>For 304 Stainless Steel Liner, Add</i>	1.98	
			<i>For 2" Wall Instead Of 1", Add</i>	12.51	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	21.06	
23 51 16 00-0031	EA		4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	80.00	19.57
			<i>For Aluminum Liner, Add</i>	1.71	
			<i>For 304 Stainless Steel Liner, Add</i>	2.34	
			<i>For 2" Wall Instead Of 1", Add</i>	14.24	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	23.80	
23 51 16 00-0032	EA		5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	89.05	20.82
			<i>For Aluminum Liner, Add</i>	2.05	
			<i>For 304 Stainless Steel Liner, Add</i>	2.79	
			<i>For 2" Wall Instead Of 1", Add</i>	16.35	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	27.12	
23 51 16 00-0033	EA		6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	98.34	22.18
			<i>For Aluminum Liner, Add</i>	2.38	
			<i>For 304 Stainless Steel Liner, Add</i>	3.24	
			<i>For 2" Wall Instead Of 1", Add</i>	18.49	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	30.48	
23 51 16 00-0034	EA		7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	116.87	23.74
			<i>For Aluminum Liner, Add</i>	3.18	
			<i>For 304 Stainless Steel Liner, Add</i>	4.34	
			<i>For 2" Wall Instead Of 1", Add</i>	23.26	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	37.84	
23 51 16 00-0035	EA		8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	136.49	25.61
			<i>For Aluminum Liner, Add</i>	3.99	
			<i>For 304 Stainless Steel Liner, Add</i>	5.43	
			<i>For 2" Wall Instead Of 1", Add</i>	28.14	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	45.41	
23 51 16 00-0036	EA		10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	236.28	27.79
			<i>For Aluminum Liner, Add</i>	9.17	
			<i>For 304 Stainless Steel Liner, Add</i>	12.50	
			<i>For 2" Wall Instead Of 1", Add</i>	56.96	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	88.92	
23 51 16 00-0037	EA		12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	285.82	30.29
			<i>For Aluminum Liner, Add</i>	11.56	
			<i>For 304 Stainless Steel Liner, Add</i>	15.76	
			<i>For 2" Wall Instead Of 1", Add</i>	70.61	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	109.70	
23 51 16 00-0038	EA		14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	369.91	31.76
			<i>For Aluminum Liner, Add</i>	15.98	
			<i>For 304 Stainless Steel Liner, Add</i>	21.79	
			<i>For 2" Wall Instead Of 1", Add</i>	95.11	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	146.63	
23 51 16 00-0039	EA		16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	454.14	33.32
			<i>For Aluminum Liner, Add</i>	20.41	
			<i>For 304 Stainless Steel Liner, Add</i>	27.83	
			<i>For 2" Wall Instead Of 1", Add</i>	119.62	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	183.58	
23 51 16 00-0040	EA		18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	586.31	35.09
			<i>For Aluminum Liner, Add</i>	27.42	
			<i>For 304 Stainless Steel Liner, Add</i>	37.39	
			<i>For 2" Wall Instead Of 1", Add</i>	158.34	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	241.90	
23 51 16 00-0041	EA		20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	827.29	55.50
			<i>For Aluminum Liner, Add</i>	37.86	
			<i>For 304 Stainless Steel Liner, Add</i>	51.63	
			<i>For 2" Wall Instead Of 1", Add</i>	220.41	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	337.56	
23 51 16 00-0042	EA		22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,089.08	58.82
			<i>For Aluminum Liner, Add</i>	51.81	
			<i>For 304 Stainless Steel Liner, Add</i>	70.65	
			<i>For 2" Wall Instead Of 1", Add</i>	297.31	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	453.32	
23 51 16 00-0043	EA		24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,228.78	62.47
			<i>For Aluminum Liner, Add</i>	58.98	
			<i>For 304 Stainless Steel Liner, Add</i>	80.43	
			<i>For 2" Wall Instead Of 1", Add</i>	337.37	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	513.87	
<b>23 51 16 00-0044</b>			<b>45 Degree Elbows</b> <small>(23 51 16 00-0001)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0045 EA 3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	61.45	18.53
For Aluminum Liner, Add	0.84	
For 304 Stainless Steel Liner, Add	1.14	
For 2" Wall Instead Of 1", Add	9.19	
For 3" To 4" Wall Instead Of 1", Add	16.10	
23 51 16 00-0046 EA 4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	66.97	19.57
For Aluminum Liner, Add	0.99	
For 304 Stainless Steel Liner, Add	1.34	
For 2" Wall Instead Of 1", Add	10.28	
For 3" To 4" Wall Instead Of 1", Add	17.88	
23 51 16 00-0047 EA 5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	73.17	20.82
For Aluminum Liner, Add	1.16	
For 304 Stainless Steel Liner, Add	1.58	
For 2" Wall Instead Of 1", Add	11.54	
For 3" To 4" Wall Instead Of 1", Add	19.91	
23 51 16 00-0048 EA 6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	80.78	22.18
For Aluminum Liner, Add	1.39	
For 304 Stainless Steel Liner, Add	1.90	
For 2" Wall Instead Of 1", Add	13.13	
For 3" To 4" Wall Instead Of 1", Add	22.47	
23 51 16 00-0049 EA 7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	95.70	23.74
For Aluminum Liner, Add	1.99	
For 304 Stainless Steel Liner, Add	2.72	
For 2" Wall Instead Of 1", Add	16.82	
For 3" To 4" Wall Instead Of 1", Add	28.20	
23 51 16 00-0050 EA 8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	105.70	25.61
For Aluminum Liner, Add	2.29	
For 304 Stainless Steel Liner, Add	3.13	
For 2" Wall Instead Of 1", Add	18.90	
For 3" To 4" Wall Instead Of 1", Add	31.56	
23 51 16 00-0051 EA 10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	173.60	27.79
For Aluminum Liner, Add	5.73	
For 304 Stainless Steel Liner, Add	7.81	
For 2" Wall Instead Of 1", Add	38.19	
For 3" To 4" Wall Instead Of 1", Add	60.76	
23 51 16 00-0052 EA 12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	207.04	30.29
For Aluminum Liner, Add	7.22	
For 304 Stainless Steel Liner, Add	9.85	
For 2" Wall Instead Of 1", Add	46.97	
For 3" To 4" Wall Instead Of 1", Add	74.24	
23 51 16 00-0053 EA 14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	264.13	31.76
For Aluminum Liner, Add	10.16	
For 304 Stainless Steel Liner, Add	13.86	
For 2" Wall Instead Of 1", Add	63.37	
For 3" To 4" Wall Instead Of 1", Add	99.02	
23 51 16 00-0054 EA 16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	315.14	33.32
For Aluminum Liner, Add	12.75	
For 304 Stainless Steel Liner, Add	17.39	
For 2" Wall Instead Of 1", Add	77.89	
For 3" To 4" Wall Instead Of 1", Add	121.00	
23 51 16 00-0055 EA 18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	399.26	35.09
For Aluminum Liner, Add	17.14	
For 304 Stainless Steel Liner, Add	23.37	
For 2" Wall Instead Of 1", Add	102.24	
For 3" To 4" Wall Instead Of 1", Add	157.75	
23 51 16 00-0056 EA 20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	489.90	55.39
For Aluminum Liner, Add	19.33	
For 304 Stainless Steel Liner, Add	26.36	
For 2" Wall Instead Of 1", Add	119.28	
For 3" To 4" Wall Instead Of 1", Add	185.84	
23 51 16 00-0057 EA 22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	676.04	58.82
For Aluminum Liner, Add	29.09	
For 304 Stainless Steel Liner, Add	39.67	
For 2" Wall Instead Of 1", Add	173.40	
For 3" To 4" Wall Instead Of 1", Add	267.45	
23 51 16 00-0058 EA 24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	826.35	62.47
For Aluminum Liner, Add	36.87	
For 304 Stainless Steel Liner, Add	50.27	
For 2" Wall Instead Of 1", Add	216.69	
For 3" To 4" Wall Instead Of 1", Add	332.84	
23 51 16 00-0059 EA 26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	1,483.73	64.55
For Aluminum Liner, Add	72.73	
For 304 Stainless Steel Liner, Add	99.18	
For 2" Wall Instead Of 1", Add	412.86	
For 3" To 4" Wall Instead Of 1", Add	627.36	
23 51 16 00-0060 EA 28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	1,525.16	66.63
For Aluminum Liner, Add	74.73	
For 304 Stainless Steel Liner, Add	101.90	
For 2" Wall Instead Of 1", Add	424.25	
For 3" To 4" Wall Instead Of 1", Add	644.70	
23 51 16 00-0061 EA 30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	1,608.04	70.80
For Aluminum Liner, Add	78.71	
For 304 Stainless Steel Liner, Add	107.34	
For 2" Wall Instead Of 1", Add	447.03	
For 3" To 4" Wall Instead Of 1", Add	679.40	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0062	EA		32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,794.39	72.88
			<i>For Aluminum Liner, Add</i>	88.68	
			<i>For 304 Stainless Steel Liner, Add</i>	120.92	
			<i>For 2" Wall Instead Of 1", Add</i>	501.90	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	761.95	
23 51 16 00-0063	EA		34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,958.79	77.04
			<i>For Aluminum Liner, Add</i>	97.15	
			<i>For 304 Stainless Steel Liner, Add</i>	132.47	
			<i>For 2" Wall Instead Of 1", Add</i>	549.14	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	833.33	
23 51 16 00-0064	EA		36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,019.68	83.29
			<i>For Aluminum Liner, Add</i>	99.64	
			<i>For 304 Stainless Steel Liner, Add</i>	135.87	
			<i>For 2" Wall Instead Of 1", Add</i>	564.28	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	856.83	
23 51 16 00-0065	EA		38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,162.83	86.21
			<i>For Aluminum Liner, Add</i>	107.11	
			<i>For 304 Stainless Steel Liner, Add</i>	146.06	
			<i>For 2" Wall Instead Of 1", Add</i>	605.77	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	919.43	
23 51 16 00-0066	EA		40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,301.82	87.46
			<i>For Aluminum Liner, Add</i>	114.58	
			<i>For 304 Stainless Steel Liner, Add</i>	156.25	
			<i>For 2" Wall Instead Of 1", Add</i>	646.84	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	981.19	
23 51 16 00-0067	EA		42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,402.80	91.62
			<i>For Aluminum Liner, Add</i>	119.56	
			<i>For 304 Stainless Steel Liner, Add</i>	163.04	
			<i>For 2" Wall Instead Of 1", Add</i>	675.06	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,024.03	
23 51 16 00-0068	EA		44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,549.07	95.79
			<i>For Aluminum Liner, Add</i>	127.04	
			<i>For 304 Stainless Steel Liner, Add</i>	173.23	
			<i>For 2" Wall Instead Of 1", Add</i>	716.86	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,087.25	
23 51 16 00-0069	EA		46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,740.62	99.95
			<i>For Aluminum Liner, Add</i>	137.00	
			<i>For 304 Stainless Steel Liner, Add</i>	186.82	
			<i>For 2" Wall Instead Of 1", Add</i>	772.25	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,170.85	
23 51 16 00-0070	EA		48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,841.61	104.11
			<i>For Aluminum Liner, Add</i>	141.98	
			<i>For 304 Stainless Steel Liner, Add</i>	193.61	
			<i>For 2" Wall Instead Of 1", Add</i>	800.46	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,213.70	
<b>23 51 16 00-0071</b>			<b>Tees</b> <small>(23 51 16 00-0001)</small>		
23 51 16 00-0072	EA		3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	98.93	24.67
			<i>For Aluminum Liner, Add</i>	2.04	
			<i>For 304 Stainless Steel Liner, Add</i>	2.79	
			<i>For 2" Wall Instead Of 1", Add</i>	17.32	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	29.07	
23 51 16 00-0073	EA		4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	102.98	25.61
			<i>For Aluminum Liner, Add</i>	2.14	
			<i>For 304 Stainless Steel Liner, Add</i>	2.92	
			<i>For 2" Wall Instead Of 1", Add</i>	18.09	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	30.33	
23 51 16 00-0074	EA		5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	107.39	26.66
			<i>For Aluminum Liner, Add</i>	2.24	
			<i>For 304 Stainless Steel Liner, Add</i>	3.06	
			<i>For 2" Wall Instead Of 1", Add</i>	18.89	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	31.67	
23 51 16 00-0075	EA		6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	114.74	27.79
			<i>For Aluminum Liner, Add</i>	2.49	
			<i>For 304 Stainless Steel Liner, Add</i>	3.40	
			<i>For 2" Wall Instead Of 1", Add</i>	20.53	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	34.27	
23 51 16 00-0076	EA		7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	134.96	28.94
			<i>For Aluminum Liner, Add</i>	3.44	
			<i>For 304 Stainless Steel Liner, Add</i>	4.69	
			<i>For 2" Wall Instead Of 1", Add</i>	26.00	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	42.62	
23 51 16 00-0077	EA		8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	144.52	30.29
			<i>For Aluminum Liner, Add</i>	3.79	
			<i>For 304 Stainless Steel Liner, Add</i>	5.16	
			<i>For 2" Wall Instead Of 1", Add</i>	28.22	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	46.11	
23 51 16 00-0078	EA		10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	265.92	31.76
			<i>For Aluminum Liner, Add</i>	10.26	
			<i>For 304 Stainless Steel Liner, Add</i>	13.99	
			<i>For 2" Wall Instead Of 1", Add</i>	63.91	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	99.83	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0079 EA 12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	307.90	33.32
<i>For Aluminum Liner, Add</i>	12.36	
<i>For 304 Stainless Steel Liner, Add</i>	16.85	
<i>For 2" Wall Instead Of 1", Add</i>	75.72	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	117.74	
23 51 16 00-0080 EA 14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	458.47	37.07
<i>For Aluminum Liner, Add</i>	20.13	
<i>For 304 Stainless Steel Liner, Add</i>	27.45	
<i>For 2" Wall Instead Of 1", Add</i>	119.04	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	183.18	
23 51 16 00-0081 EA 16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	622.18	41.64
<i>For Aluminum Liner, Add</i>	28.50	
<i>For 304 Stainless Steel Liner, Add</i>	38.86	
<i>For 2" Wall Instead Of 1", Add</i>	165.84	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	253.96	
23 51 16 00-0082 EA 18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	771.13	47.58
<i>For Aluminum Liner, Add</i>	35.87	
<i>For 304 Stainless Steel Liner, Add</i>	48.91	
<i>For 2" Wall Instead Of 1", Add</i>	207.55	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	317.27	
23 51 16 00-0083 EA 20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,025.51	58.82
<i>For Aluminum Liner, Add</i>	48.32	
<i>For 304 Stainless Steel Liner, Add</i>	65.90	
<i>For 2" Wall Instead Of 1", Add</i>	278.28	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	424.76	
23 51 16 00-0084 EA 22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,288.09	76.83
<i>For Aluminum Liner, Add</i>	60.28	
<i>For 304 Stainless Steel Liner, Add</i>	82.20	
<i>For 2" Wall Instead Of 1", Add</i>	348.01	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	531.62	
23 51 16 00-0085 EA 24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,480.20	81.21
<i>For Aluminum Liner, Add</i>	70.24	
<i>For 304 Stainless Steel Liner, Add</i>	95.79	
<i>For 2" Wall Instead Of 1", Add</i>	403.45	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	615.33	
23 51 16 00-0086 EA 26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,030.31	87.46
<i>For Aluminum Liner, Add</i>	99.64	
<i>For 304 Stainless Steel Liner, Add</i>	135.87	
<i>For 2" Wall Instead Of 1", Add</i>	565.35	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	858.96	
23 51 16 00-0087 EA 28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,265.15	90.89
<i>For Aluminum Liner, Add</i>	112.09	
<i>For 304 Stainless Steel Liner, Add</i>	152.85	
<i>For 2" Wall Instead Of 1", Add</i>	634.12	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	962.54	
23 51 16 00-0088 EA 30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,458.64	95.79
<i>For Aluminum Liner, Add</i>	122.05	
<i>For 304 Stainless Steel Liner, Add</i>	166.44	
<i>For 2" Wall Instead Of 1", Add</i>	689.70	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,046.52	
23 51 16 00-0089 EA 32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,831.30	99.95
<i>For Aluminum Liner, Add</i>	141.98	
<i>For 304 Stainless Steel Liner, Add</i>	193.61	
<i>For 2" Wall Instead Of 1", Add</i>	799.43	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,211.64	
23 51 16 00-0090 EA 34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,887.08	104.11
<i>For Aluminum Liner, Add</i>	144.47	
<i>For 304 Stainless Steel Liner, Add</i>	197.01	
<i>For 2" Wall Instead Of 1", Add</i>	814.07	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,234.11	
23 51 16 00-0091 EA 36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,357.47	111.09
<i>For Aluminum Liner, Add</i>	169.38	
<i>For 304 Stainless Steel Liner, Add</i>	230.98	
<i>For 2" Wall Instead Of 1", Add</i>	951.68	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,441.41	
23 51 16 00-0092 EA 38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,437.44	124.93
<i>For Aluminum Liner, Add</i>	171.87	
<i>For 304 Stainless Steel Liner, Add</i>	234.37	
<i>For 2" Wall Instead Of 1", Add</i>	968.74	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,468.73	
23 51 16 00-0093 EA 40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,753.76	142.84
<i>For Aluminum Liner, Add</i>	186.82	
<i>For 304 Stainless Steel Liner, Add</i>	254.75	
<i>For 2" Wall Instead Of 1", Add</i>	1,054.72	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,599.93	
23 51 16 00-0094 EA 42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,130.20	166.59
<i>For Aluminum Liner, Add</i>	204.26	
<i>For 304 Stainless Steel Liner, Add</i>	278.53	
<i>For 2" Wall Instead Of 1", Add</i>	1,155.77	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,754.47	
23 51 16 00-0095 EA 44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,498.90	187.41
<i>For Aluminum Liner, Add</i>	221.69	
<i>For 304 Stainless Steel Liner, Add</i>	302.31	
<i>For 2" Wall Instead Of 1", Add</i>	1,256.04	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,907.47	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0096	EA		46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,922.17	193.66
			<i>For Aluminum Liner, Add</i>	244.11	
			<i>For 304 Stainless Steel Liner, Add</i>	332.88	
			<i>For 2" Wall Instead Of 1", Add</i>	1,379.89	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	2,094.02	
23 51 16 00-0097	EA		48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,209.70	199.90
			<i>For Aluminum Liner, Add</i>	259.06	
			<i>For 304 Stainless Steel Liner, Add</i>	353.26	
			<i>For 2" Wall Instead Of 1", Add</i>	1,462.99	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	2,219.47	
<b>23 51 16 00-0098</b>			<b>Vent Top Caps</b> <small>(23 51 16 00-0001)</small>		
23 51 16 00-0099	EA		3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	50.26	14.47
			<i>For Aluminum Liner, Add</i>	0.77	
			<i>For 304 Stainless Steel Liner, Add</i>	1.05	
			<i>For 2" Wall Instead Of 1", Add</i>	7.83	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	13.56	
23 51 16 00-0100	EA		4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	52.65	15.20
			<i>For Aluminum Liner, Add</i>	0.81	
			<i>For 304 Stainless Steel Liner, Add</i>	1.11	
			<i>For 2" Wall Instead Of 1", Add</i>	8.22	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	14.22	
23 51 16 00-0101	EA		6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	67.27	16.66
			<i>For Aluminum Liner, Add</i>	1.41	
			<i>For 304 Stainless Steel Liner, Add</i>	1.92	
			<i>For 2" Wall Instead Of 1", Add</i>	11.85	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	19.86	
23 51 16 00-0102	EA		8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	71.86	18.53
			<i>For Aluminum Liner, Add</i>	1.41	
			<i>For 304 Stainless Steel Liner, Add</i>	1.92	
			<i>For 2" Wall Instead Of 1", Add</i>	12.31	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	20.78	
23 51 16 00-0103	EA		10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	86.71	19.57
			<i>For Aluminum Liner, Add</i>	2.08	
			<i>For 304 Stainless Steel Liner, Add</i>	2.83	
			<i>For 2" Wall Instead Of 1", Add</i>	16.23	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	26.78	
23 51 16 00-0104	EA		12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	101.88	20.82
			<i>For Aluminum Liner, Add</i>	2.74	
			<i>For 304 Stainless Steel Liner, Add</i>	3.74	
			<i>For 2" Wall Instead Of 1", Add</i>	20.15	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	32.83	
23 51 16 00-0105	EA		16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	234.27	23.74
			<i>For Aluminum Liner, Add</i>	9.62	
			<i>For 304 Stainless Steel Liner, Add</i>	13.11	
			<i>For 2" Wall Instead Of 1", Add</i>	58.39	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	90.56	
23 51 16 00-0106	EA		18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	433.03	29.78
			<i>For Aluminum Liner, Add</i>	19.73	
			<i>For 304 Stainless Steel Liner, Add</i>	26.90	
			<i>For 2" Wall Instead Of 1", Add</i>	115.04	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	176.28	
23 51 16 00-0107	EA		20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	795.75	35.72
			<i>For Aluminum Liner, Add</i>	38.86	
			<i>For 304 Stainless Steel Liner, Add</i>	52.99	
			<i>For 2" Wall Instead Of 1", Add</i>	220.88	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	335.78	
23 51 16 00-0108	EA		24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,320.59	49.98
			<i>For Aluminum Liner, Add</i>	65.76	
			<i>For 304 Stainless Steel Liner, Add</i>	89.67	
			<i>For 2" Wall Instead Of 1", Add</i>	371.19	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	563.03	
23 51 16 00-0109	EA		26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,943.03	52.58
			<i>For Aluminum Liner, Add</i>	99.64	
			<i>For 304 Stainless Steel Liner, Add</i>	135.87	
			<i>For 2" Wall Instead Of 1", Add</i>	556.62	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	841.50	
23 51 16 00-0110	EA		28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,176.84	55.50
			<i>For Aluminum Liner, Add</i>	112.09	
			<i>For 304 Stainless Steel Liner, Add</i>	152.85	
			<i>For 2" Wall Instead Of 1", Add</i>	625.29	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	944.87	
23 51 16 00-0111	EA		30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,456.82	58.82
			<i>For Aluminum Liner, Add</i>	127.04	
			<i>For 304 Stainless Steel Liner, Add</i>	173.23	
			<i>For 2" Wall Instead Of 1", Add</i>	707.63	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,068.80	
23 51 16 00-0112	EA		32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,601.87	62.47
			<i>For Aluminum Liner, Add</i>	134.51	
			<i>For 304 Stainless Steel Liner, Add</i>	183.42	
			<i>For 2" Wall Instead Of 1", Add</i>	749.31	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,131.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0113 EA 34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	2,748.14	66.63
<i>For Aluminum Liner, Add</i>	141.98	
<i>For 304 Stainless Steel Liner, Add</i>	193.61	
<i>For 2" Wall Instead Of 1", Add</i>	791.11	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,195.00	
23 51 16 00-0114 EA 36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	2,941.07	71.42
<i>For Aluminum Liner, Add</i>	151.95	
<i>For 304 Stainless Steel Liner, Add</i>	207.20	
<i>For 2" Wall Instead Of 1", Add</i>	846.64	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,278.88	
<b>23 51 16 00-0115 Wall Thimbles <small>(23 51 16 00-0001)</small></b>		
23 51 16 00-0116 EA 3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	21.07	7.81
<i>For Aluminum Liner, Add</i>	0.09	
<i>For 304 Stainless Steel Liner, Add</i>	0.12	
<i>For 2" Wall Instead Of 1", Add</i>	2.43	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	4.62	
23 51 16 00-0117 EA 4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	26.73	10.00
<i>For Aluminum Liner, Add</i>	0.09	
<i>For 304 Stainless Steel Liner, Add</i>	0.12	
<i>For 2" Wall Instead Of 1", Add</i>	3.00	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	5.76	
23 51 16 00-0118 EA 5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	35.62	13.43
<i>For Aluminum Liner, Add</i>	0.11	
<i>For 304 Stainless Steel Liner, Add</i>	0.15	
<i>For 2" Wall Instead Of 1", Add</i>	3.97	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	7.63	
23 51 16 00-0119 EA 7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	44.53	16.66
<i>For Aluminum Liner, Add</i>	0.16	
<i>For 304 Stainless Steel Liner, Add</i>	0.22	
<i>For 2" Wall Instead Of 1", Add</i>	5.03	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.63	
23 51 16 00-0120 EA 10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	63.64	22.49
<i>For Aluminum Liner, Add</i>	0.41	
<i>For 304 Stainless Steel Liner, Add</i>	0.56	
<i>For 2" Wall Instead Of 1", Add</i>	7.85	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	14.58	
23 51 16 00-0121 EA 12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	80.27	27.91
<i>For Aluminum Liner, Add</i>	0.58	
<i>For 304 Stainless Steel Liner, Add</i>	0.79	
<i>For 2" Wall Instead Of 1", Add</i>	10.13	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	18.68	
23 51 16 00-0122 EA 14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	101.10	33.32
<i>For Aluminum Liner, Add</i>	0.98	
<i>For 304 Stainless Steel Liner, Add</i>	1.34	
<i>For 2" Wall Instead Of 1", Add</i>	13.67	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	24.67	
23 51 16 00-0123 EA 18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	130.79	39.57
<i>For Aluminum Liner, Add</i>	1.75	
<i>For 304 Stainless Steel Liner, Add</i>	2.39	
<i>For 2" Wall Instead Of 1", Add</i>	19.46	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	34.13	
23 51 16 00-0124 EA 22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	173.41	43.73
<i>For Aluminum Liner, Add</i>	3.52	
<i>For 304 Stainless Steel Liner, Add</i>	4.81	
<i>For 2" Wall Instead Of 1", Add</i>	30.16	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	50.70	
<b>23 51 16 00-0125 Adjustable Roof Flashing <small>(23 51 16 00-0001)</small></b>		
23 51 16 00-0126 EA 3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	56.66	18.53
<i>For Aluminum Liner, Add</i>	0.57	
<i>For 304 Stainless Steel Liner, Add</i>	0.78	
<i>For 2" Wall Instead Of 1", Add</i>	7.75	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	13.94	
23 51 16 00-0127 EA 4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	62.44	19.57
<i>For Aluminum Liner, Add</i>	0.74	
<i>For 304 Stainless Steel Liner, Add</i>	1.01	
<i>For 2" Wall Instead Of 1", Add</i>	8.93	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	15.84	
23 51 16 00-0128 EA 6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	77.95	22.18
<i>For Aluminum Liner, Add</i>	1.24	
<i>For 304 Stainless Steel Liner, Add</i>	1.68	
<i>For 2" Wall Instead Of 1", Add</i>	12.29	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	21.21	
23 51 16 00-0129 EA 8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	94.74	25.61
<i>For Aluminum Liner, Add</i>	1.69	
<i>For 304 Stainless Steel Liner, Add</i>	2.30	
<i>For 2" Wall Instead Of 1", Add</i>	15.62	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	26.63	
23 51 16 00-0130 EA 10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	153.69	27.79
<i>For Aluminum Liner, Add</i>	4.63	
<i>For 304 Stainless Steel Liner, Add</i>	6.32	
<i>For 2" Wall Instead Of 1", Add</i>	32.22	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	51.80	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0131	EA		12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	182.56	30.29
			For Aluminum Liner, Add	5.88	
			For 304 Stainless Steel Liner, Add	8.02	
			For 2" Wall Instead Of 1", Add	39.63	
			For 3" To 4" Wall Instead Of 1", Add	63.23	
23 51 16 00-0132	EA		14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	214.63	33.32
			For Aluminum Liner, Add	7.22	
			For 304 Stainless Steel Liner, Add	9.85	
			For 2" Wall Instead Of 1", Add	47.73	
			For 3" To 4" Wall Instead Of 1", Add	75.76	
23 51 16 00-0133	EA		16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	255.71	37.07
			For Aluminum Liner, Add	8.97	
			For 304 Stainless Steel Liner, Add	12.23	
			For 2" Wall Instead Of 1", Add	58.18	
			For 3" To 4" Wall Instead Of 1", Add	91.90	
23 51 16 00-0134	EA		18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	384.94	41.64
			For Aluminum Liner, Add	15.44	
			For 304 Stainless Steel Liner, Add	21.06	
			For 2" Wall Instead Of 1", Add	94.65	
			For 3" To 4" Wall Instead Of 1", Add	147.19	
23 51 16 00-0135	EA		20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	425.05	55.50
			For Aluminum Liner, Add	15.74	
			For 304 Stainless Steel Liner, Add	21.47	
			For 2" Wall Instead Of 1", Add	99.75	
			For 3" To 4" Wall Instead Of 1", Add	156.57	
23 51 16 00-0136	EA		22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	540.85	71.42
			For Aluminum Liner, Add	19.93	
			For 304 Stainless Steel Liner, Add	27.17	
			For 2" Wall Instead Of 1", Add	126.55	
			For 3" To 4" Wall Instead Of 1", Add	198.75	
23 51 16 00-0137	EA		24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	643.01	83.29
			For Aluminum Liner, Add	23.91	
			For 304 Stainless Steel Liner, Add	32.61	
			For 2" Wall Instead Of 1", Add	151.26	
			For 3" To 4" Wall Instead Of 1", Add	237.30	
<b>23 51 16 00-0138</b>			<b>Galvanized Storm Collars</b> <small>(23 51 16 00-0001)</small>		
23 51 16 00-0139	EA		3" Round Galvanized Storm Collar, Double Wall .....	22.47	7.81
			For Aluminum Liner, Add	0.17	
			For 304 Stainless Steel Liner, Add	0.23	
			For 2" Wall Instead Of 1", Add	2.85	
			For 3" To 4" Wall Instead Of 1", Add	5.25	
23 51 16 00-0140	EA		4" Round Galvanized Storm Collar, Double Wall .....	28.44	10.00
			For Aluminum Liner, Add	0.19	
			For 304 Stainless Steel Liner, Add	0.26	
			For 2" Wall Instead Of 1", Add	3.53	
			For 3" To 4" Wall Instead Of 1", Add	6.55	
23 51 16 00-0141	EA		5" Round Galvanized Storm Collar, Double Wall .....	33.45	11.66
			For Aluminum Liner, Add	0.24	
			For 304 Stainless Steel Liner, Add	0.32	
			For 2" Wall Instead Of 1", Add	4.20	
			For 3" To 4" Wall Instead Of 1", Add	7.76	
23 51 16 00-0142	EA		6" Round Galvanized Storm Collar, Double Wall .....	38.47	13.32
			For Aluminum Liner, Add	0.28	
			For 304 Stainless Steel Liner, Add	0.39	
			For 2" Wall Instead Of 1", Add	4.88	
			For 3" To 4" Wall Instead Of 1", Add	8.98	
23 51 16 00-0143	EA		7" Or 8" Round Galvanized Storm Collar, Double Wall .....	48.51	16.66
			For Aluminum Liner, Add	0.38	
			For 304 Stainless Steel Liner, Add	0.51	
			For 2" Wall Instead Of 1", Add	6.22	
			For 3" To 4" Wall Instead Of 1", Add	11.42	
23 51 16 00-0144	EA		10" Round Galvanized Storm Collar, Double Wall .....	66.97	22.49
			For Aluminum Liner, Add	0.59	
			For 304 Stainless Steel Liner, Add	0.81	
			For 2" Wall Instead Of 1", Add	8.85	
			For 3" To 4" Wall Instead Of 1", Add	16.08	
23 51 16 00-0145	EA		12" Round Galvanized Storm Collar, Double Wall .....	82.69	27.91
			For Aluminum Liner, Add	0.71	
			For 304 Stainless Steel Liner, Add	0.97	
			For 2" Wall Instead Of 1", Add	10.85	
			For 3" To 4" Wall Instead Of 1", Add	19.77	
23 51 16 00-0146	EA		14" Or 16" Round Galvanized Storm Collar, Double Wall .....	105.21	33.32
			For Aluminum Liner, Add	1.21	
			For 304 Stainless Steel Liner, Add	1.64	
			For 2" Wall Instead Of 1", Add	14.91	
			For 3" To 4" Wall Instead Of 1", Add	26.52	
23 51 16 00-0147	EA		18" Or 20" Round Galvanized Storm Collar, Double Wall .....	138.58	39.57
			For Aluminum Liner, Add	2.18	
			For 304 Stainless Steel Liner, Add	2.98	
			For 2" Wall Instead Of 1", Add	21.79	
			For 3" To 4" Wall Instead Of 1", Add	37.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0148 EA 22" Or 24" Round Galvanized Storm Collar, Double Wall.....	192.93	43.73
<i>For Aluminum Liner, Add</i>	4.60	
<i>For 304 Stainless Steel Liner, Add</i>	6.27	
<i>For 2" Wall Instead Of 1", Add</i>	36.02	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	59.49	
<b>23 51 16 00-0149 Oval Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)</b>		
<b>23 51 16 00-0150 Oval Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0149)</b>		
23 51 16 00-0151 LF 4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	37.46	9.79
<i>For 2" Wall Instead Of 1", Add</i>	6.34	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	10.74	
23 51 16 00-0152 LF 5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	41.26	10.41
<i>For 2" Wall Instead Of 1", Add</i>	7.21	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	12.11	
23 51 16 00-0153 LF 6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	45.67	11.14
<i>For 2" Wall Instead Of 1", Add</i>	8.15	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	13.61	
<b>23 51 16 00-0154 45 Degree Elbows (23 51 16 00-0149)</b>		
23 51 16 00-0155 EA 4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	81.91	20.31
<i>For 2" Wall Instead Of 1", Add</i>	14.42	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	24.16	
23 51 16 00-0156 EA 5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	95.58	23.74
<i>For 2" Wall Instead Of 1", Add</i>	16.80	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	28.17	
23 51 16 00-0157 EA 6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	113.63	26.86
<i>For 2" Wall Instead Of 1", Add</i>	20.66	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	34.34	
23 51 16 00-0158 EA 4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	83.47	20.31
<i>For 2" Wall Instead Of 1", Add</i>	14.88	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	24.86	
23 51 16 00-0159 EA 5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	99.36	23.74
<i>For 2" Wall Instead Of 1", Add</i>	17.94	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	29.87	
23 51 16 00-0160 EA 6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	116.07	26.86
<i>For 2" Wall Instead Of 1", Add</i>	21.39	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	35.44	
<b>23 51 16 00-0161 Tees (23 51 16 00-0149)</b>		
23 51 16 00-0162 EA 4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe.....	136.48	30.82
<i>For 2" Wall Instead Of 1", Add</i>	25.52	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	42.13	
23 51 16 00-0163 EA 4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe.....	138.92	30.82
<i>For 2" Wall Instead Of 1", Add</i>	26.25	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	43.23	
23 51 16 00-0164 EA 5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe.....	159.63	35.40
<i>For 2" Wall Instead Of 1", Add</i>	30.19	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	49.71	
23 51 16 00-0165 EA 6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe.....	182.51	39.67
<i>For 2" Wall Instead Of 1", Add</i>	34.92	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	57.34	
<b>23 51 16 00-0166 Tops/Caps And Adjustable Flashing (23 51 16 00-0149)</b>		
23 51 16 00-0167 EA 4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe.....	51.98	10.00
<i>For 2" Wall Instead Of 1", Add</i>	10.58	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	17.12	
23 51 16 00-0168 EA 6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe.....	80.82	13.43
<i>For 2" Wall Instead Of 1", Add</i>	17.53	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	27.97	
23 51 16 00-0169 EA 4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	42.42	10.00
<i>For 2" Wall Instead Of 1", Add</i>	7.71	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	12.82	
23 51 16 00-0170 EA 6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	71.82	13.43
<i>For 2" Wall Instead Of 1", Add</i>	14.83	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	23.92	
<b>23 51 16 00-0171 Storm Collars (23 51 16 00-0149)</b>		
23 51 16 00-0172 EA 4" Oval Galvanized Storm Collar, Double Wall.....	28.44	10.00
<i>For 2" Wall Instead Of 1", Add</i>	3.53	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	6.55	
23 51 16 00-0173 EA 5" Oval Galvanized Storm Collar, Double Wall.....	33.45	11.66
<i>For 2" Wall Instead Of 1", Add</i>	4.20	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	7.76	
23 51 16 00-0174 EA 6" Oval Galvanized Storm Collar, Double Wall.....	38.47	13.32
<i>For 2" Wall Instead Of 1", Add</i>	4.88	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.98	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 51 16 00-0175		<b>Round Double Wall Flue/Vent Pipe And Fittings</b> <sup>(23 51 16)</sup>		
		Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0176		<b>Round Double Wall Flue/Vent Pipe</b> <sup>(23 51 16 00-0175)</sup>		
		Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0177	LF	6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	104.53	11.14
		For 316 Stainless Steel, Add	12.28	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	7.67	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	15.34	
23 51 16 00-0178	LF	8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	125.72	12.81
		For 316 Stainless Steel, Add	14.98	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	9.36	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	18.73	
23 51 16 00-0179	LF	10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	139.58	13.85
		For 316 Stainless Steel, Add	16.79	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	10.49	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	20.98	
23 51 16 00-0180	LF	12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	157.44	15.10
		For 316 Stainless Steel, Add	19.13	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	11.96	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	23.92	
23 51 16 00-0181	LF	14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	177.32	15.82
		For 316 Stainless Steel, Add	22.02	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	13.76	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	27.53	
23 51 16 00-0182	LF	16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	187.26	16.66
		For 316 Stainless Steel, Add	23.29	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	14.55	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	29.11	
23 51 16 00-0183	LF	18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	207.48	17.60
		For 316 Stainless Steel, Add	26.17	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	16.36	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	32.72	
23 51 16 00-0184	LF	20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	256.73	27.79
		For 316 Stainless Steel, Add	29.96	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	18.73	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	37.46	
23 51 16 00-0185	LF	24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	319.54	31.23
		For 316 Stainless Steel, Add	38.63	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	24.14	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	48.29	
23 51 16 00-0186	LF	28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	360.80	33.32
		For 316 Stainless Steel, Add	44.41	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	27.75	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	55.51	
23 51 16 00-0187	LF	32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	403.84	36.97
		For 316 Stainless Steel, Add	49.82	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	31.14	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	62.28	
23 51 16 00-0188	LF	36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	449.58	39.98
		For 316 Stainless Steel, Add	55.96	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	34.98	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	69.95	
23 51 16 00-0189	LF	42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	513.23	45.50
		For 316 Stainless Steel, Add	63.90	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	39.94	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	79.88	
23 51 16 00-0190	LF	48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	601.06	52.69
		For 316 Stainless Steel, Add	75.09	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	46.93	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	93.87	
23 51 16 00-0191		<b>90 Degree Elbows</b> <sup>(23 51 16 00-0175)</sup>		
23 51 16 00-0192	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	492.98	23.01
		For 316 Stainless Steel, Add	87.10	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	43.55	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	87.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0193 EA 8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	544.64	25.61
<i>For 316 Stainless Steel, Add</i>	96.12	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	48.06	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	96.12	
23 51 16 00-0194 EA 10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	620.05	27.79
<i>For 316 Stainless Steel, Add</i>	110.11	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	55.06	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	110.11	
23 51 16 00-0195 EA 12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	700.73	30.29
<i>For 316 Stainless Steel, Add</i>	125.01	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	62.50	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	125.01	
23 51 16 00-0196 EA 14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	812.68	31.76
<i>For 316 Stainless Steel, Add</i>	146.67	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	73.33	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	146.67	
23 51 16 00-0197 EA 16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	895.59	33.32
<i>For 316 Stainless Steel, Add</i>	162.46	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	81.23	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	162.46	
23 51 16 00-0198 EA 18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,035.36	35.09
<i>For 316 Stainless Steel, Add</i>	189.54	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	94.77	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	189.54	
23 51 16 00-0199 EA 20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,199.36	55.50
<i>For 316 Stainless Steel, Add</i>	212.11	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	106.05	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	212.11	
23 51 16 00-0200 EA 24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,476.19	62.47
<i>For 316 Stainless Steel, Add</i>	264.00	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	132.00	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	264.00	
23 51 16 00-0201 EA 28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,791.23	66.63
<i>For 316 Stainless Steel, Add</i>	324.93	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	162.46	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	324.93	
23 51 16 00-0202 EA 32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,367.16	71.32
<i>For 316 Stainless Steel, Add</i>	437.75	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	218.87	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	437.75	
23 51 16 00-0203 EA 36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,690.31	83.29
<i>For 316 Stainless Steel, Add</i>	496.42	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	248.21	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	496.42	
23 51 16 00-0204 EA 42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	3,950.23	90.89
<i>For 316 Stainless Steel, Add</i>	744.62	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	372.31	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	744.62	
23 51 16 00-0205 EA 48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	4,931.98	99.95
<i>For 316 Stainless Steel, Add</i>	936.42	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	468.21	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	936.42	
<b>23 51 16 00-0206 45 Degree Elbows</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0207 EA 6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	328.53	22.18
<i>For 316 Stainless Steel, Add</i>	54.61	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	27.30	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	54.61	
23 51 16 00-0208 EA 8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	375.41	25.61
<i>For 316 Stainless Steel, Add</i>	62.28	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	31.14	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	62.28	
23 51 16 00-0209 EA 10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	416.95	27.79
<i>For 316 Stainless Steel, Add</i>	69.50	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	34.75	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	69.50	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0210	EA		12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	475.09	30.29
			<i>For 316 Stainless Steel, Add</i>	79.88	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	39.94	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	79.88	
23 51 16 00-0211	EA		14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	535.14	31.76
			<i>For 316 Stainless Steel, Add</i>	91.16	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	45.58	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	91.16	
23 51 16 00-0212	EA		16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	599.99	33.32
			<i>For 316 Stainless Steel, Add</i>	103.34	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	51.67	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	103.34	
23 51 16 00-0213	EA		18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	672.08	35.09
			<i>For 316 Stainless Steel, Add</i>	116.88	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	58.44	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	116.88	
23 51 16 00-0214	EA		20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	806.74	55.50
			<i>For 316 Stainless Steel, Add</i>	133.58	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	66.79	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	133.58	
23 51 16 00-0215	EA		24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,013.63	62.47
			<i>For 316 Stainless Steel, Add</i>	171.49	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	85.75	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	171.49	
23 51 16 00-0216	EA		28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,136.86	66.63
			<i>For 316 Stainless Steel, Add</i>	194.05	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	97.03	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	194.05	
23 51 16 00-0217	EA		32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,475.87	71.32
			<i>For 316 Stainless Steel, Add</i>	259.49	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	129.75	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	259.49	
23 51 16 00-0218	EA		36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,956.97	83.29
			<i>For 316 Stainless Steel, Add</i>	349.75	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	174.87	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	349.75	
23 51 16 00-0219	EA		42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,596.37	90.89
			<i>For 316 Stainless Steel, Add</i>	473.85	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	236.93	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	473.85	
23 51 16 00-0220	EA		48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	3,465.31	99.95
			<i>For 316 Stainless Steel, Add</i>	643.08	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	321.54	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	643.08	
<b>23 51 16 00-0221</b>			<b>Tees</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0222	EA		6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	356.05	27.79
			<i>For 316 Stainless Steel, Add</i>	63.05	
			<i>For Tee Cap, Add</i>	81.63	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	28.66	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	57.31	
23 51 16 00-0223	EA		8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	405.14	30.29
			<i>For 316 Stainless Steel, Add</i>	72.48	
			<i>For Tee Cap, Add</i>	92.38	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	32.94	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	65.89	
23 51 16 00-0224	EA		10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	465.17	31.76
			<i>For 316 Stainless Steel, Add</i>	84.89	
			<i>For Tee Cap, Add</i>	104.93	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	38.59	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	77.17	
23 51 16 00-0225	EA		12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	534.56	33.32
			<i>For 316 Stainless Steel, Add</i>	99.28	
			<i>For Tee Cap, Add</i>	119.40	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	45.13	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	90.26	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0226 EA 14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	625.07	37.07
For 316 Stainless Steel, Add	117.15	
For Tee Cap, Add	138.90	
For 2" Insulated Wall Instead Of 1" Thickness, Add	53.25	
For 3" Insulated Wall Instead Of 1" Thickness, Add	106.50	
23 51 16 00-0227 EA 16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	702.01	41.64
For 316 Stainless Steel, Add	131.55	
For Tee Cap, Add	156.01	
For 2" Insulated Wall Instead Of 1" Thickness, Add	59.80	
For 3" Insulated Wall Instead Of 1" Thickness, Add	119.59	
23 51 16 00-0228 EA 18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	818.39	47.58
For 316 Stainless Steel, Add	153.89	
For Tee Cap, Add	181.51	
For 2" Insulated Wall Instead Of 1" Thickness, Add	69.95	
For 3" Insulated Wall Instead Of 1" Thickness, Add	139.90	
23 51 16 00-0229 EA 20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	936.73	58.82
For 316 Stainless Steel, Add	173.75	
For Tee Cap, Add	209.39	
For 2" Insulated Wall Instead Of 1" Thickness, Add	78.98	
For 3" Insulated Wall Instead Of 1" Thickness, Add	157.95	
23 51 16 00-0230 EA 24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,189.78	83.29
For 316 Stainless Steel, Add	215.94	
For Tee Cap, Add	269.19	
For 2" Insulated Wall Instead Of 1" Thickness, Add	98.16	
For 3" Insulated Wall Instead Of 1" Thickness, Add	196.31	
23 51 16 00-0231 EA 28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,445.59	90.89
For 316 Stainless Steel, Add	268.07	
For Tee Cap, Add	323.18	
For 2" Insulated Wall Instead Of 1" Thickness, Add	121.85	
For 3" Insulated Wall Instead Of 1" Thickness, Add	243.70	
23 51 16 00-0232 EA 32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,919.63	99.95
For 316 Stainless Steel, Add	367.35	
For Tee Cap, Add	421.41	
For 2" Insulated Wall Instead Of 1" Thickness, Add	166.98	
For 3" Insulated Wall Instead Of 1" Thickness, Add	333.95	
23 51 16 00-0233 EA 36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,139.35	111.09
For 316 Stainless Steel, Add	409.54	
For Tee Cap, Add	469.54	
For 2" Insulated Wall Instead Of 1" Thickness, Add	186.16	
For 3" Insulated Wall Instead Of 1" Thickness, Add	372.31	
23 51 16 00-0234 EA 42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	3,406.25	166.59
For 316 Stainless Steel, Add	657.75	
For Tee Cap, Add	743.72	
For 2" Insulated Wall Instead Of 1" Thickness, Add	298.98	
For 3" Insulated Wall Instead Of 1" Thickness, Add	597.96	
23 51 16 00-0235 EA 48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	4,279.32	199.90
For 316 Stainless Steel, Add	831.50	
For Tee Cap, Add	930.83	
For 2" Insulated Wall Instead Of 1" Thickness, Add	377.95	
For 3" Insulated Wall Instead Of 1" Thickness, Add	755.91	
<b>23 51 16 00-0236 Bellows</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0237 EA 6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	673.76	22.18
For 2" Insulated Wall Instead Of 1" Thickness, Add	61.83	
For 3" Insulated Wall Instead Of 1" Thickness, Add	123.65	
23 51 16 00-0238 EA 8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	734.18	25.61
For 2" Insulated Wall Instead Of 1" Thickness, Add	67.02	
For 3" Insulated Wall Instead Of 1" Thickness, Add	134.03	
23 51 16 00-0239 EA 10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	802.82	27.79
For 2" Insulated Wall Instead Of 1" Thickness, Add	73.33	
For 3" Insulated Wall Instead Of 1" Thickness, Add	146.67	
23 51 16 00-0240 EA 12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	888.02	30.29
For 2" Insulated Wall Instead Of 1" Thickness, Add	81.23	
For 3" Insulated Wall Instead Of 1" Thickness, Add	162.46	
23 51 16 00-0241 EA 14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	993.20	31.76
For 2" Insulated Wall Instead Of 1" Thickness, Add	91.39	
For 3" Insulated Wall Instead Of 1" Thickness, Add	182.77	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0242	EA		16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,098.67	33.32
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	101.54	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	203.08	
23 51 16 00-0243	EA		18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,227.16	35.09
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	113.95	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	227.90	
23 51 16 00-0244	EA		20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,424.98	55.50
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	128.62	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	257.23	
23 51 16 00-0245	EA		24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,758.26	62.47
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	160.21	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	320.41	
23 51 16 00-0246	EA		28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,971.76	66.63
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	180.52	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	361.03	
23 51 16 00-0247	EA		32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,254.45	71.42
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	207.59	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	415.18	
23 51 16 00-0248	EA		36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,577.51	83.29
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	236.93	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	473.85	
23 51 16 00-0249	EA		42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	3,273.32	90.89
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	304.62	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	609.24	
23 51 16 00-0250	EA		48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	3,973.01	99.95
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	372.31	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	744.62	
<b>23 51 16 00-0251</b>			<b>Ventilated Roof Thimbles</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0252	EA		6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	447.65	25.61
			<i>For 316 Stainless Steel, Add</i>	38.36	
23 51 16 00-0253	EA		8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	486.37	30.29
			<i>For 316 Stainless Steel, Add</i>	41.07	
23 51 16 00-0254	EA		10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	532.29	33.32
			<i>For 316 Stainless Steel, Add</i>	44.90	
23 51 16 00-0255	EA		12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	575.48	37.07
			<i>For 316 Stainless Steel, Add</i>	48.29	
23 51 16 00-0256	EA		14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	732.08	39.25
			<i>For 316 Stainless Steel, Add</i>	63.41	
23 51 16 00-0257	EA		16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	654.66	41.64
			<i>For 316 Stainless Steel, Add</i>	55.06	
23 51 16 00-0258	EA		18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	704.55	44.45
			<i>For 316 Stainless Steel, Add</i>	59.34	
23 51 16 00-0259	EA		20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	792.51	62.47
			<i>For 316 Stainless Steel, Add</i>	63.63	
23 51 16 00-0260	EA		24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	889.08	71.32
			<i>For 316 Stainless Steel, Add</i>	71.08	
23 51 16 00-0261	EA		28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,015.69	76.83
			<i>For 316 Stainless Steel, Add</i>	82.36	
23 51 16 00-0262	EA		32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,133.24	83.19
			<i>For 316 Stainless Steel, Add</i>	92.51	
23 51 16 00-0263	EA		36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,265.13	99.85
			<i>For 316 Stainless Steel, Add</i>	101.54	
23 51 16 00-0264	EA		42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,620.10	110.99
			<i>For 316 Stainless Steel, Add</i>	134.26	
23 51 16 00-0265	EA		48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,004.47	124.83
			<i>For 316 Stainless Steel, Add</i>	169.23	
<b>23 51 16 00-0266</b>			<b>Exit Cones</b> <small>(23 51 16 00-0175)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0267 EA 6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	309.28	14.47
23 51 16 00-0268 EA 8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	326.25	15.82
23 51 16 00-0269 EA 10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	350.77	16.66
23 51 16 00-0270 EA 12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	366.51	17.50
23 51 16 00-0271 EA 14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	403.78	18.01
23 51 16 00-0272 EA 16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	441.07	18.43
23 51 16 00-0273 EA 18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	534.95	19.06
23 51 16 00-0274 EA 20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	669.15	35.72
23 51 16 00-0275 EA 24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	840.71	38.42
23 51 16 00-0276 EA 28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,002.54	39.98
23 51 16 00-0277 EA 32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,232.34	41.64
23 51 16 00-0278 EA 36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,399.79	45.50
23 51 16 00-0279 EA 42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,766.23	47.58
23 51 16 00-0280 EA 48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,257.28	49.98
<b>23 51 16 00-0281 Vent Top Caps (23 51 16 00-0175)</b>		
23 51 16 00-0282 EA 6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	338.53	14.47
23 51 16 00-0283 EA 8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	391.68	15.82
23 51 16 00-0284 EA 10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	454.54	16.66
23 51 16 00-0285 EA 12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	522.17	17.50
23 51 16 00-0286 EA 14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	609.07	18.01
23 51 16 00-0287 EA 16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	691.59	18.53
23 51 16 00-0288 EA 18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	769.65	19.06
23 51 16 00-0289 EA 20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	924.04	35.72
23 51 16 00-0290 EA 24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,100.20	38.42
23 51 16 00-0291 EA 28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,194.27	39.98
23 51 16 00-0292 EA 32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,356.38	41.64
23 51 16 00-0293 EA 36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,580.18	45.39
23 51 16 00-0294 EA 42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,924.10	47.58
23 51 16 00-0295 EA 48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,234.64	49.98
<b>23 51 16 00-0296 Roof Support Assemblies (23 51 16 00-0175)</b>		
23 51 16 00-0297 EA 6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	511.06	26.66
<i>For 316 Stainless Steel, Add</i>	88.90	
23 51 16 00-0298 EA 8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	564.47	31.76
<i>For 316 Stainless Steel, Add</i>	97.03	
23 51 16 00-0299 EA 10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	620.13	35.09
<i>For 316 Stainless Steel, Add</i>	106.50	
23 51 16 00-0300 EA 12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	662.04	39.15
<i>For 316 Stainless Steel, Add</i>	112.82	
23 51 16 00-0301 EA 14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	738.17	41.64
<i>For 316 Stainless Steel, Add</i>	126.81	
23 51 16 00-0302 EA 16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	783.50	44.45
<i>For 316 Stainless Steel, Add</i>	134.48	
23 51 16 00-0303 EA 18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	841.15	47.69
<i>For 316 Stainless Steel, Add</i>	144.41	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0304	EA		20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	933.78	66.63
			<i>For 316 Stainless Steel, Add</i> .....	153.44	
23 51 16 00-0305	EA		24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,049.68	76.94
			<i>For 316 Stainless Steel, Add</i> .....	171.49	
23 51 16 00-0306	EA		28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,212.35	83.29
			<i>For 316 Stainless Steel, Add</i> .....	200.82	
23 51 16 00-0307	EA		32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,445.61	90.89
			<i>For 316 Stainless Steel, Add</i> .....	243.70	
23 51 16 00-0308	EA		36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,676.78	111.09
			<i>For 316 Stainless Steel, Add</i> .....	279.80	
23 51 16 00-0309	EA		42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,501.06	124.93
			<i>For 316 Stainless Steel, Add</i> .....	437.75	
23 51 16 00-0310	EA		48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	3,062.83	142.02
			<i>For 316 Stainless Steel, Add</i> .....	541.55	
23 51 16 00-0311			<b>Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings</b> <small>(23 51 16)</small> Note: With 1" insulation.		
23 51 16 00-0312			<b>Round Stainless Steel Double Wall Flue/Vent Pipe</b> <small>(23 51 16 00-0311)</small> Note: With 1" insulation.		
23 51 16 00-0313	LF		6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	90.99	11.14
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	6.32	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	12.64	
23 51 16 00-0314	LF		7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	111.00	11.87
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	8.12	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	16.25	
23 51 16 00-0315	LF		8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	126.85	12.81
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	9.48	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	18.95	
23 51 16 00-0316	LF		10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	172.25	13.85
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	13.76	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	27.53	
23 51 16 00-0317	LF		12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	222.93	15.20
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	18.50	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	37.01	
23 51 16 00-0318	LF		14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	283.46	15.93
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	24.37	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	48.74	
23 51 16 00-0319			<b>90 Degree Elbows</b> <small>(23 51 16 00-0311)</small>		
23 51 16 00-0320	EA		6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	196.57	22.18
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	14.10	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	28.21	
23 51 16 00-0321	EA		7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	217.40	23.74
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	15.80	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	31.59	
23 51 16 00-0322	EA		8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	244.58	25.61
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	18.05	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	36.10	
23 51 16 00-0323	EA		10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	304.12	27.79
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	23.47	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	46.93	
23 51 16 00-0324	EA		12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	362.28	30.29
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	28.66	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	57.31	
23 51 16 00-0325	EA		14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	422.27	31.76
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	34.30	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	68.60	
23 51 16 00-0326			<b>45 Degree Elbows</b> <small>(23 51 16 00-0311)</small>		
23 51 16 00-0327	EA		6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	161.31	22.18
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	10.58	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	21.15	
23 51 16 00-0328	EA		7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	177.90	23.74
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	11.85	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	23.69	
23 51 16 00-0329	EA		8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	199.46	25.61
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	13.54	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	27.08	
23 51 16 00-0330	EA		10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	245.45	27.79
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	17.60	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	35.20	
23 51 16 00-0331	EA		12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	290.62	30.29
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	21.49	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	42.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0332 EA 14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	336.57	31.76
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	25.72	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	51.45	
<b>23 51 16 00-0333 Tees With Tee Caps (23 51 16 00-0311)</b>		
23 51 16 00-0334 EA 6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe .....	321.75	22.18
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	26.63	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	53.25	
23 51 16 00-0335 EA 7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe .....	406.94	23.74
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	34.75	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	69.50	
23 51 16 00-0336 EA 8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe .....	456.65	25.61
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	39.26	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	78.52	
23 51 16 00-0337 EA 10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe .....	622.21	27.79
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	55.28	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	110.57	
23 51 16 00-0338 EA 12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe .....	854.13	30.29
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	77.85	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	155.69	
23 51 16 00-0339 EA 14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe .....	1,094.66	31.76
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	101.54	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	203.08	
<b>23 51 16 00-0340 Joist Shields (23 51 16 00-0311)</b>		
23 51 16 00-0341 EA 6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	136.73	22.18
23 51 16 00-0342 EA 7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	147.45	23.74
23 51 16 00-0343 EA 8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	172.34	25.61
23 51 16 00-0344 EA 10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	215.03	27.79
23 51 16 00-0345 EA 12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	257.33	30.29
23 51 16 00-0346 EA 14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	304.93	31.76
<b>23 51 16 00-0347 Adjustable Roof Flashing (23 51 16 00-0311)</b>		
23 51 16 00-0348 EA 6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	162.67	22.18
23 51 16 00-0349 EA 7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	181.29	23.74
23 51 16 00-0350 EA 8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	197.14	25.61
23 51 16 00-0351 EA 10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	239.82	27.79
23 51 16 00-0352 EA 12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	295.76	30.29
23 51 16 00-0353 EA 14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	354.54	31.65
<b>23 51 16 00-0354 Vent Top Caps (23 51 16 00-0311)</b>		
23 51 16 00-0355 EA 6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	145.76	22.18
23 51 16 00-0356 EA 7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	182.42	23.74
23 51 16 00-0357 EA 8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	228.74	25.61
23 51 16 00-0358 EA 10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	365.09	27.79
23 51 16 00-0359 EA 12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	497.70	30.29
23 51 16 00-0360 EA 14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	634.39	31.76
<b>23 51 16 00-0361 Roof Support Assemblies (23 51 16 00-0311)</b>		
23 51 16 00-0362 EA 6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	216.75	22.18
23 51 16 00-0363 EA 7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	241.08	23.74
23 51 16 00-0364 EA 8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	261.45	25.61
23 51 16 00-0365 EA 10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	328.89	27.79
23 51 16 00-0366 EA 12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	389.35	30.29
23 51 16 00-0367 EA 14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	476.44	31.76
<b>23 51 16 00-0368 Polyvinyl Chloride (PVC) Flue/Vent Accessories (23 51 16)</b>		
<b>23 51 16 00-0369 Concentric Polyvinyl Chloride (PVC) Vent Termination (23 51 16 00-0368)</b>		
23 51 16 00-0370 EA 2" Concentric Polyvinyl Chloride (PVC) Vent Termination .....	227.06	42.39
23 51 16 00-0371 EA 3" Concentric Polyvinyl Chloride (PVC) Vent Termination .....	247.40	42.39
<b>23 51 16 00-0372 Polypropylene (PP) Flue/Vent Pipe And Fittings (23 51 16)</b>		
<b>23 51 16 00-0373 Polypropylene Flue/Vent Rigid Pipe Sections (23 51 16 00-0372)</b>		
Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
23 51 16 00-0374 EA 2" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....	40.25	12.88
23 51 16 00-0375 EA 2" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....	46.20	13.55
23 51 16 00-0376 EA 2" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....	53.13	15.07
23 51 16 00-0377 EA 2" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....	66.37	17.72
23 51 16 00-0378 EA 3" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....	48.66	14.76
23 51 16 00-0379 EA 3" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....	59.66	15.54
23 51 16 00-0380 EA 3" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....	73.92	17.27
23 51 16 00-0381 EA 3" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....	91.84	20.32

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 51 16 00-0382	EA	4" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....		82.40	19.53
23 51 16 00-0383	EA	4" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....		98.31	20.55
23 51 16 00-0384	EA	4" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....		123.36	22.85
23 51 16 00-0385	EA	4" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....		160.92	26.87
23 51 16 00-0386	EA	5" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....		122.28	28.83
23 51 16 00-0387	EA	5" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....		140.88	30.34
23 51 16 00-0388	EA	5" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....		185.48	33.71
23 51 16 00-0389	EA	5" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....		242.77	39.67
<b>23 51 16 00-0390</b>		<b>Polypropylene Flue/Vent Elbows</b> <small>(23 51 16 00-0372)</small>			
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.					
23 51 16 00-0391	EA	2" Polypropylene Flue/Vent 15 Degree Elbow .....		49.86	15.65
23 51 16 00-0392	EA	3" Polypropylene Flue/Vent 15 Degree Elbow .....		59.06	16.47
23 51 16 00-0393	EA	4" Polypropylene Flue/Vent 15 Degree Elbow .....		75.14	17.07
23 51 16 00-0394	EA	5" Polypropylene Flue/Vent 15 Degree Elbow .....		88.06	17.78
23 51 16 00-0395	EA	2" Polypropylene Flue/Vent 30 Degree Elbow .....		49.86	15.65
23 51 16 00-0396	EA	3" Polypropylene Flue/Vent 30 Degree Elbow .....		59.06	16.47
23 51 16 00-0397	EA	4" Polypropylene Flue/Vent 30 Degree Elbow .....		75.14	17.07
23 51 16 00-0398	EA	5" Polypropylene Flue/Vent 30 Degree Elbow .....		88.06	17.78
23 51 16 00-0399	EA	2" Polypropylene Flue/Vent 45 Degree Elbow .....		49.86	15.65
23 51 16 00-0400	EA	3" Polypropylene Flue/Vent 45 Degree Elbow .....		59.06	16.47
23 51 16 00-0401	EA	4" Polypropylene Flue/Vent 45 Degree Elbow .....		75.14	17.07
23 51 16 00-0402	EA	5" Polypropylene Flue/Vent 45 Degree Elbow .....		88.06	17.78
23 51 16 00-0403	EA	2" Polypropylene Flue/Vent 87 Degree Elbow .....		49.86	15.65
23 51 16 00-0404	EA	3" Polypropylene Flue/Vent 87 Degree Elbow .....		59.06	16.47
23 51 16 00-0405	EA	4" Polypropylene Flue/Vent 87 Degree Elbow .....		74.13	17.07
23 51 16 00-0406	EA	5" Polypropylene Flue/Vent 87 Degree Elbow .....		90.56	17.78
<b>23 51 16 00-0407</b>		<b>Polypropylene Flue/Vent Tees</b> <small>(23 51 16 00-0372)</small>			
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.					
23 51 16 00-0408	EA	2" Polypropylene Flue/Vent Tee .....		164.96	23.48
23 51 16 00-0409	EA	3" Polypropylene Flue/Vent Tee .....		209.14	24.72
23 51 16 00-0410	EA	4" Polypropylene Flue/Vent Tee .....		246.75	25.61
23 51 16 00-0411	EA	5" Polypropylene Flue/Vent Tee .....		270.51	26.66
<b>23 51 16 00-0412</b>		<b>Polypropylene Flue/Vent Adaptors</b> <small>(23 51 16 00-0372)</small>			
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.					
23 51 16 00-0413	EA	2" Polypropylene Flue/Vent Adaptor With Gasket.....		59.70	15.65
23 51 16 00-0414	EA	3" Polypropylene Flue/Vent Adaptor With Gasket.....		87.72	16.47
23 51 16 00-0415	EA	4" Polypropylene Flue/Vent Adaptor With Gasket.....		102.89	17.07
23 51 16 00-0416	EA	5" Polypropylene Flue/Vent Adaptor With Gasket.....		142.31	17.78
<b>23 51 16 00-0417</b>		<b>Polypropylene Flue/Vent Increases</b> <small>(23 51 16 00-0372)</small>			
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.					
23 51 16 00-0418	EA	2" to 3" Polypropylene Flue/Vent Centric Increaser .....		66.63	16.06
23 51 16 00-0419	EA	3" to 4" Polypropylene Flue/Vent Centric Increaser .....		73.26	16.77
23 51 16 00-0420	EA	4" to 5" Polypropylene Flue/Vent Centric Increaser .....		136.41	17.41
23 51 16 00-0421	EA	2" to 3" Polypropylene Flue/Vent Eccentric Increaser .....		91.89	16.06
23 51 16 00-0422	EA	3" to 4" Polypropylene Flue/Vent Eccentric Increaser .....		71.20	16.77
23 51 16 00-0423	EA	4" to 5" Polypropylene Flue/Vent Eccentric Increaser.....		190.35	17.41
<b>23 51 16 00-0424</b>		<b>Polypropylene Flue/Vent Reducers</b> <small>(23 51 16 00-0372)</small>			
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.					
23 51 16 00-0425	EA	3" to 2" Polypropylene Flue/Vent Reducer .....		66.63	16.06
23 51 16 00-0426	EA	4" to 3" Polypropylene Flue/Vent Reducer .....		73.26	16.77
23 51 16 00-0427	EA	5" to 4" Polypropylene Flue/Vent Reducer .....		170.04	17.41
<b>23 51 16 00-0428</b>		<b>Polypropylene Flue/Vent Test Ports</b> <small>(23 51 16 00-0372)</small>			
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.					
23 51 16 00-0429	EA	2" Polypropylene Flue/Vent Test Port .....		83.39	23.48
23 51 16 00-0430	EA	3" Polypropylene Flue/Vent Test Port .....		94.13	24.72
23 51 16 00-0431	EA	4" Polypropylene Flue/Vent Test Port .....		148.50	25.61
23 51 16 00-0432	EA	5" Polypropylene Flue/Vent Test Port .....		158.80	26.66
<b>23 51 16 00-0433</b>		<b>Polypropylene Flue/Vent Cascade Components</b> <small>(23 51 16 00-0372)</small>			
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.					
23 51 16 00-0434	EA	4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder .....		251.28	25.61
23 51 16 00-0435	EA	4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder .....		329.64	32.02
23 51 16 00-0436	EA	5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder .....		204.66	26.66
23 51 16 00-0437	EA	5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder .....		305.40	33.32
23 51 16 00-0438	EA	3" to 4" Polypropylene Flue/Vent Non-Return Valve.....		326.49	16.77
23 51 16 00-0439	EA	4" to 4" Polypropylene Flue/Vent Non-Return Valve.....		378.72	17.41



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 51 16 00-0440

Polypropylene Flue/Vent Condensate Management (23 51 16 00-0372)

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0441	EA	2"	Polypropylene Flue/Vent Horizontal Drain Tee	117.49	23.48
23 51 16 00-0442	EA	3"	Polypropylene Flue/Vent Horizontal Drain Tee	143.31	24.72
23 51 16 00-0443	EA	4"	Polypropylene Flue/Vent Horizontal Drain Tee	165.12	25.61
23 51 16 00-0444	EA	5"	Polypropylene Flue/Vent Horizontal Drain Tee	189.32	26.66
23 51 16 00-0445	EA	4"	Polypropylene Flue/Vent Horizontal Drain Fittings	211.25	25.61
23 51 16 00-0446	EA	5"	Polypropylene Flue/Vent Horizontal Drain Fittings	233.47	26.66
23 51 16 00-0447	EA	2"	Polypropylene Flue/Vent Tee Cap	69.76	7.83
23 51 16 00-0448	EA	3"	Polypropylene Flue/Vent Tee Cap	90.21	8.23
23 51 16 00-0449	EA	4"	Polypropylene Flue/Vent Tee Cap	107.66	8.54
23 51 16 00-0450	EA	5"	Polypropylene Flue/Vent Tee Cap	141.42	8.88
23 51 16 00-0451	EA	2"	Polypropylene Flue/Vent Tee Cap With Drain	132.25	23.48
23 51 16 00-0452	EA	3"	Polypropylene Flue/Vent Tee Cap With Drain	163.78	24.72
23 51 16 00-0453	EA	4"	Polypropylene Flue/Vent Tee Cap With Drain	190.50	25.61
23 51 16 00-0454	EA	5"	Polypropylene Flue/Vent Tee Cap With Drain	231.04	26.66

23 51 16 00-0455

Polypropylene Flue/Vent Terminations (23 51 16 00-0372)

23 51 16 00-0456	EA	2"	Polypropylene-UV Black Flue/Vent Chimney Cover	177.23	15.65
23 51 16 00-0457	EA	3"	Polypropylene-UV Black Flue/Vent Chimney Cover	155.39	16.47
23 51 16 00-0458	EA	4"	Polypropylene-UV Black Flue/Vent Chimney Cover	195.73	17.07
23 51 16 00-0459	EA	3"	Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	406.42	16.47
23 51 16 00-0460	EA	4"	Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	434.15	17.07
23 51 16 00-0461	EA	5"	Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	507.58	17.78
23 51 16 00-0462	EA	2"/4"	Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	102.36	15.65
23 51 16 00-0463	EA	2"/5"	Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	108.68	15.65
23 51 16 00-0464	EA	2"/6"	Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	115.00	15.65
23 51 16 00-0465	EA	2"/7"	Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	121.33	15.65
23 51 16 00-0466	EA	3"/4"	Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	110.75	16.47
23 51 16 00-0467	EA	3"/5"	Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	117.07	16.47
23 51 16 00-0468	EA	3"/6"	Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	123.40	16.47
23 51 16 00-0469	EA	3"/7"	Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	129.72	16.47
23 51 16 00-0470	EA	4"/5"	Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	124.90	17.07
23 51 16 00-0471	EA	4"/6"	Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	131.22	17.07
23 51 16 00-0472	EA	4"/7"	Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	137.54	17.07
23 51 16 00-0473	EA	2"	Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	108.62	15.65
23 51 16 00-0474	EA	3"	Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	140.47	16.47
23 51 16 00-0475	EA	2"	Polypropylene-UV Black Flue/Vent Termination Tee	124.34	23.48
23 51 16 00-0476	EA	3"	Polypropylene-UV Black Flue/Vent Termination Tee	166.00	24.72
23 51 16 00-0477	EA	4"	Polypropylene-UV Black Flue/Vent Termination Tee	197.57	25.61
23 51 16 00-0478	EA	5"	Polypropylene-UV Black Flue/Vent Termination Tee	218.24	26.66
23 51 16 00-0479	EA	2" x 20"	Polypropylene-UV Black Flue/Vent End Pipe	42.35	13.55
23 51 16 00-0480	EA	2" x 39"	Polypropylene-UV Black Flue/Vent End Pipe	51.10	15.07
23 51 16 00-0481	EA	3" x 20"	Polypropylene-UV Black Flue/Vent End Pipe	51.24	15.54
23 51 16 00-0482	EA	3" x 39"	Polypropylene-UV Black Flue/Vent End Pipe	64.81	17.27
23 51 16 00-0483	EA	4" x 20"	Polypropylene-UV Black Flue/Vent End Pipe	78.42	20.55
23 51 16 00-0484	EA	5" x 20"	Polypropylene-UV Black Flue/Vent End Pipe	107.50	30.34
23 51 16 00-0485	EA	5" x 39"	Polypropylene-UV Black Flue/Vent End Pipe	131.43	33.71
23 51 16 00-0486	EA	2" x 24"	Polypropylene-UV Black Flue/Vent Vent Length	47.42	13.55
23 51 16 00-0487	EA	3" x 24"	Polypropylene-UV Black Flue/Vent Vent Length	61.75	15.54
23 51 16 00-0488	EA	4" x 24"	Polypropylene-UV Black Flue/Vent Vent Length	103.00	20.55
23 51 16 00-0489	EA	2"	Polypropylene-UV Black Flue/Vent 45 Degree Elbow	51.87	15.65
23 51 16 00-0490	EA	3"	Polypropylene-UV Black Flue/Vent 45 Degree Elbow	61.59	16.47
23 51 16 00-0491	EA	4"	Polypropylene-UV Black Flue/Vent 45 Degree Elbow	78.38	17.07
23 51 16 00-0492	EA	2"	Polypropylene-UV Black Flue/Vent 87 Degree Elbow	50.92	15.65
23 51 16 00-0493	EA	3"	Polypropylene-UV Black Flue/Vent 87 Degree Elbow	60.96	16.47
23 51 16 00-0494	EA	4"	Polypropylene-UV Black Flue/Vent 87 Degree Elbow	77.27	17.07
23 51 16 00-0495	EA	2"	Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	34.14	7.83
23 51 16 00-0496	EA	3"	Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	40.14	8.23
23 51 16 00-0497	EA	4"	Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	45.24	8.54
23 51 16 00-0498	EA	3"	Stainless Steel Bird Screen For Polypropylene Flue/Vent	91.95	8.23
23 51 16 00-0499	EA	5"	Stainless Steel Bird Screen For Polypropylene Flue/Vent	105.89	8.88

23 51 16 00-0500

Polypropylene Flue/Vent Accessories (23 51 16 00-0372)

23 51 16 00-0501	EA	2"	Spacer For Polypropylene Flue/Vent	17.43	3.91
23 51 16 00-0502	EA	3"	Spacer For Polypropylene Flue/Vent	16.45	4.12
23 51 16 00-0503	EA	4"	Spacer For Polypropylene Flue/Vent	16.93	4.27
23 51 16 00-0504	EA	5"	Spacer For Polypropylene Flue/Vent	27.65	4.44
23 51 16 00-0505	EA	2"	Flue Clamp For Polypropylene Flue/Vent	33.53	5.88
23 51 16 00-0506	EA	3"	Flue Clamp For Polypropylene Flue/Vent	39.68	6.18
23 51 16 00-0507	EA	4"	Flue Clamp For Polypropylene Flue/Vent	46.35	6.40
23 51 16 00-0508	EA	2"	Support Clamp For Polypropylene Flue/Vent	31.77	5.88
23 51 16 00-0509	EA	4"	Support Clamp For Polypropylene Flue/Vent	31.46	6.40
23 51 16 00-0510	EA	5"	Support Clamp For Polypropylene Flue/Vent	38.82	6.66
23 51 16 00-0511	EA	3"	Plastic Support Clamp For Polypropylene Flue/Vent	23.54	6.18
23 51 16 00-0512	EA	2"	Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	45.49	15.65
23 51 16 00-0513	EA	3"	Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	50.49	16.47
23 51 16 00-0514	EA	4"	Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	54.64	17.07

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0515	EA		5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	61.56	17.78
23 51 16 00-0516	EA		2" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	4.06	
23 51 16 00-0517	EA		3" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	4.54	
23 51 16 00-0518	EA		4" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	6.15	
23 51 16 00-0519	EA		5" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	10.16	
23 51 16 00-0520	EA		2" Connector Ring For Polypropylene Flue/Vent.....	14.14	3.91
23 51 16 00-0521	EA		3" Connector Ring For Polypropylene Flue/Vent.....	16.14	4.12
23 51 16 00-0522	EA		4" Connector Ring For Polypropylene Flue/Vent.....	17.45	4.27
23 51 16 00-0523	EA		5" Connector Ring For Polypropylene Flue/Vent.....	19.41	4.44
23 51 16 00-0524	EA		2 1/4" Polypropylene Flue/Vent Air Intake, White.....	76.09	7.83
23 51 16 00-0525	EA		3 3/5" Polypropylene Flue/Vent Air Intake, White.....	77.93	8.23
23 51 16 00-0526	EA		4 1/6" Polypropylene Flue/Vent Air Intake, White.....	56.85	8.54
23 51 16 00-0527	EA		2" Base Support For Polypropylene Flue/Vent.....	66.56	5.88
23 51 16 00-0528	EA		3" Base Support For Polypropylene Flue/Vent.....	68.59	6.18
23 51 16 00-0529	EA		4" Base Support For Polypropylene Flue/Vent.....	92.90	6.40
23 51 16 00-0530	EA		5" Base Support For Polypropylene Flue/Vent.....	159.26	6.66
<b>23 51 16 00-0531</b>			<b>Polypropylene Flue/Vent Flex Pipe</b> (23 51 16 00-0372)		
23 51 16 00-0532	LF		2", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	11.88	1.37
23 51 16 00-0533	LF		2", > 50', Polypropylene Flue/Vent Flex Pipe.....	10.19	1.37
23 51 16 00-0534	LF		3", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	14.62	1.62
23 51 16 00-0535	LF		3", > 50', Polypropylene Flue/Vent Flex Pipe.....	12.51	1.62
23 51 16 00-0536	LF		4", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	21.24	2.00
23 51 16 00-0537	LF		4", > 50', Polypropylene Flue/Vent Flex Pipe.....	17.99	2.00
<b>23 51 16 00-0538</b>			<b>Polypropylene Flue/Vent Couplers</b> (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0539	EA		2" Polypropylene Flue/Vent Coupler, Single Wall to Flex.....	81.02	15.65
23 51 16 00-0540	EA		2" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	91.58	15.65
23 51 16 00-0541	EA		3" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	193.27	16.47
23 51 16 00-0542	EA		4" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	358.87	17.07
23 51 16 00-0543	EA		2" Polypropylene Flue/Vent Coupler, Flex to Flex.....	94.69	15.65
23 51 16 00-0544	EA		3" Polypropylene Flue/Vent Coupler, Flex to Flex.....	231.84	16.47
23 51 16 00-0545	EA		4" Polypropylene Flue/Vent Coupler, Flex to Flex.....	611.81	17.07
<b>23 51 16 00-0546</b>			<b>Polypropylene Flue/Vent Flex End Terminations</b> (23 51 16 00-0372)		
23 51 16 00-0547	EA		2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	108.70	15.65
23 51 16 00-0548	EA		3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	99.54	16.47
23 51 16 00-0549	EA		4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	124.55	17.07
<b>23 51 16 00-0550</b>			<b>Aluminum Flue/Vent Fittings</b> (23 51 16)		
<b>23 51 16 00-0551</b>			<b>Aluminum Vent Top Caps</b> (23 51 16 00-0550)		
23 51 16 00-0552	EA		3" Aluminum Vent Cap (Star-Kap® 3-SK).....	104.07	15.51
23 51 16 00-0553	EA		4" Aluminum Vent Cap (Star-Kap® 4-SK).....	110.81	15.20
23 51 16 00-0554	EA		5" Aluminum Vent Cap (Star-Kap® 5-SK).....	120.43	15.93
23 51 16 00-0555	EA		6" Aluminum Vent Cap (Star-Kap® 6-SK).....	170.79	16.66
23 51 16 00-0556	EA		8" Aluminum Vent Cap (Star-Kap® 8-SK).....	191.09	18.53
23 51 16 00-0557	EA		10" Aluminum Vent Cap (Star-Kap® 10-SK).....	562.29	19.57
23 51 16 00-0558	EA		12" Aluminum Vent Cap (Star-Kap® 12-SK).....	575.89	20.82
<b>23 52 Heating Boilers</b> (23 50)					
<b>23 52 13 Electric Boilers</b> (23 52)					
<b>23 52 13 00-0001</b>			<b>Packaged Electric Steam Boiler</b> (23 52 13)		
			Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH gross rated output.		
23 52 13 00-0002	EA		12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls.....	7,761.69	578.88
23 52 13 00-0003	EA		24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls.....	8,378.91	675.36
23 52 13 00-0004	EA		36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls.....	8,997.46	723.60
23 52 13 00-0005	EA		48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls.....	10,020.86	771.84
23 52 13 00-0006	EA		60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls.....	11,019.46	820.08
23 52 13 00-0007	EA		80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls.....	12,867.25	916.56
23 52 13 00-0008	EA		100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls.....	14,715.12	1,013.04
23 52 13 00-0009	EA		120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls.....	15,308.23	1,061.28
23 52 13 00-0010	EA		140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls.....	16,110.15	1,109.52
23 52 13 00-0011	EA		160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls.....	21,090.37	1,205.99
23 52 13 00-0012	EA		180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls.....	21,982.13	1,254.23
23 52 13 00-0013	EA		200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls.....	23,156.72	1,393.39
23 52 13 00-0014	EA		220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls.....	24,120.87	1,496.60
23 52 13 00-0015	EA		240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls.....	26,026.13	1,599.81
23 52 13 00-0016	EA		260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls.....	28,032.38	1,754.63
23 52 13 00-0017	EA		280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls.....	29,805.09	1,806.24
23 52 13 00-0018	EA		300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls.....	31,255.65	1,857.85





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0019 EA 320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls.....	33,194.67	1,909.46
23 52 13 00-0020 EA 360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls.....	35,134.19	1,961.06
23 52 13 00-0021 EA 400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls.....	37,594.30	2,064.28
23 52 13 00-0022 EA 460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls.....	40,126.64	2,167.49
23 52 13 00-0023 EA 500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls.....	42,607.38	2,219.09
23 52 13 00-0024 EA 600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls.....	47,242.38	2,270.71
23 52 13 00-0025 EA 700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls.....	50,880.93	2,373.92
23 52 13 00-0026 EA 756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls.....	52,110.97	2,477.14
23 52 13 00-0027 EA 828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls.....	57,317.45	2,631.95
23 52 13 00-0028 EA 936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls.....	59,173.85	2,786.77
23 52 13 00-0029 EA 1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls.....	61,133.45	2,941.60
23 52 13 00-0030 EA 1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls.....	64,947.99	3,096.41
23 52 13 00-0031 EA 1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls.....	66,641.78	3,199.63
23 52 13 00-0032 EA 1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls.....	68,865.75	3,406.06
23 52 13 00-0033 EA 1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls.....	71,222.63	3,612.49
23 52 13 00-0034 EA 1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls.....	77,821.04	3,818.92
23 52 13 00-0035 EA 1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls.....	82,048.44	4,025.34

23 52 13 00-0036

Packaged Electric Hot Water Boiler (23 52 13)

Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH gross rated output.

23 52 13 00-0037 EA 9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls.....	6,811.51	530.63
23 52 13 00-0038 EA 12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls.....	7,177.35	578.88
23 52 13 00-0039 EA 18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls.....	7,543.19	627.12
23 52 13 00-0040 EA 24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls.....	7,896.92	675.36
23 52 13 00-0041 EA 36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls.....	8,304.36	723.60
23 52 13 00-0042 EA 48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls.....	8,606.18	771.84
23 52 13 00-0043 EA 60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls.....	8,972.02	820.08
23 52 13 00-0044 EA 72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls.....	9,520.78	868.32
23 52 13 00-0045 EA 84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls.....	9,997.99	916.56
23 52 13 00-0046 EA 90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls.....	10,290.66	964.80
23 52 13 00-0047 EA 105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls.....	11,049.94	1,013.04
23 52 13 00-0048 EA 120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls.....	11,764.56	1,061.28
23 52 13 00-0049 EA 135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls.....	13,056.49	1,109.52
23 52 13 00-0050 EA 150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls.....	13,897.30	1,157.76
23 52 13 00-0051 EA 165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls.....	14,605.74	1,205.99
23 52 13 00-0052 EA 180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls.....	15,861.25	1,254.23
23 52 13 00-0053 EA 195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls.....	17,402.01	1,393.39
23 52 13 00-0054 EA 225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls.....	18,712.49	1,496.60
23 52 13 00-0055 EA 240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls.....	20,135.34	1,599.81
23 52 13 00-0056 EA 270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls.....	21,549.04	1,754.63
23 52 13 00-0057 EA 300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls.....	22,971.89	1,857.85
23 52 13 00-0058 EA 330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls.....	24,293.47	1,961.06
23 52 13 00-0059 EA 360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls.....	26,131.11	2,012.67
23 52 13 00-0060 EA 390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls.....	27,849.23	2,064.28
23 52 13 00-0061 EA 420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls.....	29,494.20	2,167.49
23 52 13 00-0062 EA 450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls.....	31,222.92	2,167.49
23 52 13 00-0063 EA 504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls.....	34,212.76	2,219.09
23 52 13 00-0064 EA 612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls.....	35,805.03	2,270.71
23 52 13 00-0065 EA 684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls.....	37,798.70	2,373.92
23 52 13 00-0066 EA 720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls.....	39,319.53	2,425.52
23 52 13 00-0067 EA 750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls.....	40,845.64	2,477.14
23 52 13 00-0068 EA 810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls.....	41,983.18	2,631.95
23 52 13 00-0069 EA 900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls.....	44,047.20	2,786.77
23 52 13 00-0070 EA 1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls.....	51,293.32	2,941.60
23 52 13 00-0071 EA 1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls.....	56,287.41	3,096.41
23 52 13 00-0072 EA 1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls.....	58,485.55	3,199.63
23 52 13 00-0073 EA 1350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls.....	60,926.87	3,406.06
23 52 13 00-0074 EA 1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls.....	63,368.19	3,612.49
23 52 13 00-0075 EA 1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls.....	70,262.95	3,818.92
23 52 13 00-0076 EA 1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls.....	74,700.05	4,025.34
23 52 13 00-0077 EA 1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls.....	76,592.60	4,128.55
23 52 13 00-0078 EA 1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls.....	78,485.17	4,231.77
23 52 13 00-0079 EA 1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls.....	78,898.02	4,386.59
23 52 13 00-0080 EA 2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls.....	84,718.77	4,489.80
23 52 13 00-0081 EA 2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls.....	88,607.10	4,644.63
23 52 13 00-0082 EA 2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls.....	95,126.84	4,954.27
23 52 13 00-0083 EA 2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls.....	102,484.05	5,470.34
23 52 13 00-0084 EA 3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls.....	110,929.59	6,089.61
23 52 13 00-0085 EA 3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls.....	117,449.33	6,708.90

23 52 13 00-0086

Custom Packaged Electric Hot Water Boiler (Precision) (23 52 13)

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 52 13 00-0087	EA	1,920 KW, 6,551 MBH Electric Hot Boiler With Controls (Precision HW36D-1920D-480-150).....	246,481.25	4,386.59
<p>Note: Includes special electrical per design for Quad power feed &amp; (4) integral 800 Amp circuit breakers Electric Hot Water Boiler rated at 1,920 KW /6,551 MBH when operated on 480/3/60 power Pressure vessel built to 150 psi, 250°F design standard and complies with ASME Code Section IV, "H" Code and is National Board Registered. • Pressure vessel is wrapped with 4" thick blanket of fiberglass insulation. • Boiler vessel enclosure is 16-Gauge painted steel jacket mounted on a full-size, flanged steel base. • Electronic control panel is built into the NEMA-4 compliant enclosure, accessible via key-locked door(s). • Built for compliance with UL Subject 834 and NEC/NFPA Article 424-G, ASME &amp; CSD-1. • Incoloy sheathed, U-Shaped heating elements rated to 75 watts-per-square-inch and individually mounted in 2-1/2 inch-square flanges for easy removal and replacement. • Main supply circuit lugs with integral branch circuit fusing. • Magnetic contactors rated @ 500,000 cycles; 120 volt fused control transformer • Automatic electronic temp. control: Model has 16 steps with Proportional Progressive Sequence Step Control • Full port drain valve; ASME safety relief valve; Pressure gauge w/cock; automatic air vent. • Low Water Cut-Off Switch: Probe type with manual reset, test &amp; pilot light to meet CSD-1 requirements &amp; secondary LWCO per CA. Code. • High Temperature Limit Switches: equipped with two temperature limit switches, 1 auto reset &amp; 1 with manual • Temperature Gauge: dial type temperature gauge plus a digital electronic temperature readout on the temperature controller interface. • KW Limiting Switches: On/Off toggle switch for each step. In the off position, the toggle switch cuts power to its assigned step, disabling that step, thereby limiting the maximum KW output from the boiler. • Water inlet/outlet connections; • On/Off power switch with pilot light; One status pilot light for each step; volt meter. • Flow Switch: Installed on inlet side of boiler to prevent boiler heating when there is little or no water flow into the boiler. In a low flow or no flow condition the temperature controller may detect a drop in boiler temperature and signal a call for heat, despite no inlet water flow into the boiler. The flow switch signal cuts power to the step controller, preventing the boiler from heating. • On-Board Alarm System: Audible alarm buzzer with silencing switch, plus an additional common alarm light that signals any or all of the following abnormal boiler conditions: (1) excessive tank temperature, (2) zero flow or low flow into the boiler tank, and/or (3) low water condition in the tank. • BMS Control – Siemens S7 System with touchscreen that allows BMS interface with On-Board controller allowing BMS to adjust boiler temperature set-point (requires a proportional signal from BMS)</p>				

**23 52 16 Condensing Boilers (23 52)****23 52 16 13 Stainless-Steel Condensing Boilers (23 52 16)**

23 52 16 13-0001	<b>Hamilton Evo Series Stainless Steel Condensing Boilers (23 52 16 13)</b>			
Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code). Rated by gross rated output.				
23 52 16 13-0002	EA	75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79) .....	12,546.17	385.92
23 52 16 13-0003	EA	127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129) .....	13,214.64	514.04
23 52 16 13-0004	EA	168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179) .....	14,078.28	578.78
23 52 16 13-0005	EA	187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1) .....	14,925.00	611.00
23 52 16 13-0006	EA	281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299) .....	19,746.74	707.48
23 52 16 13-0007	EA	374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399) .....	22,878.96	771.74
23 52 16 13-0008	EA	589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599) .....	30,975.15	900.35
23 52 16 13-0009	EA	785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798) .....	43,165.20	1,029.06
Note: Includes vent manifold.				
23 52 16 13-0010	EA	980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998) .....	52,850.53	1,125.53
Note: Includes vent manifold.				
23 52 16 13-0011	EA	1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499) .....	76,449.81	1,318.39
23 52 16 13-0012	EA	1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999) .....	84,266.03	1,414.87
23 52 16 13-0013	<b>Buderus SB615 Stainless Steel Condensing Boilers (23 52 16 13)</b>			
Note: Includes Riello burners. Rated by gross rated output.				
23 52 16 13-0014	EA	484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145).....	37,877.77	836.09
23 52 16 13-0015	EA	612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185).....	39,751.47	900.35
23 52 16 13-0016	EA	791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240).....	44,160.61	1,029.06
23 52 16 13-0017	EA	1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310).....	47,908.00	1,157.65
23 52 16 13-0018	EA	1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400).....	53,426.39	1,254.14
23 52 16 13-0019	EA	1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510).....	61,083.33	1,318.39
23 52 16 13-0020	EA	2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640).....	72,810.76	1,414.87
23 52 16 13-0021	<b>Buderus SB735 Stainless Steel Condensing Boilers (23 52 16 13)</b>			
Note: Includes Riello burners. Rated by gross rated output.				
23 52 16 13-0022	EA	2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790).....	78,679.90	1,543.48
23 52 16 13-0023	EA	3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970).....	91,214.34	1,607.84
23 52 16 13-0024	EA	4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200).....	105,795.22	1,672.19
23 52 16 13-0025	<b>Laars Neotherm Stainless Steel Condensing Boiler (23 52 16 13)</b>			
Note: Compliant with SCAQMD. Rated by gross rated input.				
23 52 16 13-0026	EA	80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080) .....	7,036.19	418.04
23 52 16 13-0027	EA	105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105) .....	8,032.58	482.39
23 52 16 13-0028	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150) .....	9,004.51	578.78
23 52 16 13-0029	EA	210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210) .....	10,028.05	643.13
23 52 16 13-0030	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285) .....	12,604.25	707.48
23 52 16 13-0031	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399) .....	16,449.41	771.74
23 52 16 13-0032	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500) .....	19,751.83	836.09
23 52 16 13-0033	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600) .....	21,923.53	900.35
23 52 16 13-0034	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750) .....	23,812.56	964.70
23 52 16 13-0035	EA	850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850) .....	25,894.55	1,093.30
23 52 16 13-0036	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000) .....	36,803.79	1,157.65
23 52 16 13-0037	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700) .....	48,905.87	1,350.62
23 52 16 13-0038	EA	150 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV150).....	16,288.08	578.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0039 EA 199 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV199).....	18,901.85	771.84
23 52 16 13-0040 EA 285 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV285).....	24,753.70	868.32
23 52 16 13-0041 EA 399 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV399).....	31,087.15	1,061.28
23 52 16 13-0042 EA 500 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV500).....	36,737.21	1,157.76
23 52 16 13-0043 EA 600 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV600).....	41,547.72	1,254.23
23 52 16 13-0044 EA 750 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV750).....	49,887.46	1,350.71
23 52 16 13-0045 EA 850 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV850).....	55,292.64	1,447.19
23 52 16 13-0046 EA 1,000 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1000).....	72,748.14	1,543.67
23 52 16 13-0047 EA 1,700 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1700).....	97,796.43	2,026.07
<b>23 52 16 13-0048 AERCO Benchmark Stainless-Steel Condensing Boilers</b> <small>(23 52 16 13)</small>		
Note: Rated by gross rated output.		
23 52 16 13-0049 EA 1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN) .....	62,811.54	1,318.39
23 52 16 13-0050 EA 2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN) .....	74,773.01	1,414.87
23 52 16 13-0051 EA 3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000).....	108,234.06	1,575.71
Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0052 EA 3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000).....	115,483.32	1,575.71
Note: Includes gas PRV and pump delay relay.		
<b>23 52 16 16 Aluminum Condensing Boilers</b> <small>(23 52 16)</small>		
<b>23 52 16 16-0001 Weil McLain Aluminum Condensing Boilers</b> <small>(23 52 16 16)</small>		
Note: Rated by gross rated output.		
23 52 16 16-0002 EA 80 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	8,580.66	418.04
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0003 EA 105 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	9,440.67	482.39
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0004 EA 155 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	10,619.52	578.78
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0005 EA 230 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	11,924.23	643.13
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0006 EA 310 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	15,548.91	739.61
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
<b>23 52 16 16-0007 Patterson Kelley Mach Series Aluminum Condensing Boilers</b> <small>(23 52 16 16)</small>		
Note: Rated by gross rated output.		
23 52 16 16-0008 EA 300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach CM300).....	16,042.21	707.48
23 52 16 16-0009 EA 450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C450).....	18,042.58	803.97
23 52 16 16-0010 EA 750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C750).....	20,453.21	964.70
23 52 16 16-0011 EA 900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C900).....	30,237.86	1,093.30
23 52 16 16-0012 EA 1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1050).....	31,590.29	1,157.65
23 52 16 16-0013 EA 1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1500).....	48,920.24	1,318.39
23 52 16 16-0014 EA 2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2000).....	52,971.85	1,414.87
23 52 16 16-0015 EA 2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2500).....	75,517.87	1,543.48
23 52 16 16-0016 EA 3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C3000).....	87,741.63	1,575.71
23 52 16 16-0017 EA 4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C4000).....	99,880.39	1,672.19
<b>23 52 16 16-0018 Buderus GB142 Wall Hung Aluminum Condensing Boilers</b> <small>(23 52 16 16)</small>		
Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0019 EA 75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24) .....	6,778.14	385.92
Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0020 EA 95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30) .....	7,870.47	450.17
Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0021 EA 143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45) .....	9,056.32	546.65
Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0022 EA 193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60) .....	9,905.14	611.00
Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0023 EA Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46) .....	316.96	96.48
23 52 16 16-0024 EA Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3).....	420.05	96.48
23 52 16 16-0025 EA Optional GB Floor Stand For GB142 (Buderus 7098265).....	916.05	96.48
<b>23 52 16 16-0026 Buderus GB162 Wall Hung Aluminum Condensing Boilers</b> <small>(23 52 16 16)</small>		
Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0027 EA 290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80) .....	11,185.79	707.48
Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.		
23 52 16 16-0028 EA 333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100) .....	13,886.65	739.61
Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.		
23 52 16 16-0029 EA 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2) .....	27,181.09	868.22
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0030	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	25,364.15	868.22
23 52 16 16-0031	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	32,582.81	932.57
23 52 16 16-0032	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	30,765.87	932.57
23 52 16 16-0033	EA	870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	37,875.65	1,093.30
23 52 16 16-0034	EA	999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	45,881.74	1,157.65
23 52 16 16-0035	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	47,139.42	1,221.91
23 52 16 16-0036	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	47,867.12	1,221.91
23 52 16 16-0037	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	57,653.42	1,254.14
23 52 16 16-0038	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	58,381.11	1,254.14
23 52 16 16-0039	EA	EMS Control Module For Condensing Boiler (Buderus RC35).....	761.36	96.48
<b>23 52 16 16-0040</b>		<b>Buderus GB312 Aluminum Condensing Boilers</b> <small>(23 52 16 16)</small> Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0041	EA	305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90)..... Note: Includes an aluminum heat exchanger.	16,214.59	707.48
23 52 16 16-0042	EA	409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120)..... Note: Includes an aluminum heat exchanger.	18,940.80	771.74
23 52 16 16-0043	EA	544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160)..... Note: Includes an aluminum heat exchanger.	23,801.22	852.11
23 52 16 16-0044	EA	676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200)..... Note: Includes an aluminum heat exchanger.	27,388.95	932.57
23 52 16 16-0045	EA	810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240)..... Note: Includes an aluminum heat exchanger.	32,817.71	1,029.06
23 52 16 16-0046	EA	944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280)..... Note: Includes an aluminum heat exchanger.	36,244.53	1,125.53
23 52 16 16-0047	EA	Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985).....	488.65	48.24
23 52 16 16-0048	EA	Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125).....	260.82	48.24
23 52 16 16-0049	EA	Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550).....	375.86	48.24
23 52 16 16-0050	EA	Optional Condensate Neutralization Tank For GB312 (Buderus 63035899).....	803.14	48.24
<b>23 52 16 19</b>		<b>Copper Water-Tube Condensing Boilers</b> <small>(23 52 16)</small>		
<b>23 52 16 19-0001</b>		<b>Laars Rheos+ Copper Fin Tube Condensing Boilers</b> <small>(23 52 16 19)</small> Note: Rated by gross rated output.		
23 52 16 19-0002	EA	1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	45,866.51	1,221.91
23 52 16 19-0003	EA	1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	51,729.85	1,350.62
23 52 16 19-0004	EA	2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	56,640.24	1,414.87
23 52 16 19-0005	EA	2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	61,147.90	1,479.23
<b>23 52 16 23</b>		<b>Cast Iron Condensing Boilers</b> <small>(23 52 16)</small>		
<b>23 52 16 23-0001</b>		<b>Hydrotherm KN Cast Iron Condensing Boilers</b> <small>(23 52 16 23)</small> Note: Rated by gross rated output.		
23 52 16 23-0002	EA	199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2).....	16,050.36	611.00
23 52 16 23-0003	EA	399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4).....	23,557.75	771.74
23 52 16 23-0004	EA	600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6).....	38,920.90	900.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 23-0005 EA 1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10).....	51,100.63	1,157.65
23 52 16 23-0006 EA 1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16).....	84,315.02	1,350.62
23 52 16 23-0007 EA 1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20).....	74,446.31	1,414.87
23 52 16 23-0008 EA 2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26).....	117,519.02	1,543.48
23 52 16 23-0009 EA 3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30).....	128,608.36	1,575.71

**23 52 23 Cast-Iron Boilers (23 52)**

**23 52 23 00-0001 Weil-McLain Model 80 Cast Iron Boiler (23 52 23)**  
 Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.

**23 52 23 00-0002 Gas Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)**  
 Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0003 EA 209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380).....	15,759.95	3,055.94
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0004 EA 297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480).....	17,238.16	3,259.67
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0005 EA 386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580).....	18,856.49	3,463.40
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0006 EA 476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680).....	20,361.14	3,667.12
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0007 EA 565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780).....	21,750.40	3,870.85
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0008 EA 654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880).....	23,653.79	4,074.58
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0009 EA 743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980).....	25,123.87	4,278.31
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0010 EA 833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080).....	26,290.02	4,482.04
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0011 EA 922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180).....	27,451.90	4,685.77
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0012 EA 1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280).....	28,794.21	4,889.50
Note: Includes field assembly of individual sections and testing.		

**23 52 23 00-0013 Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)**

23 52 23 00-0014 EA 209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380).....	11,261.55	412.86
Note: Fire tested factory assembled package unit.		
23 52 23 00-0015 EA 297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480).....	12,525.91	412.86
Note: Fire tested factory assembled package unit.		
23 52 23 00-0016 EA 386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580).....	14,345.63	516.07
Note: Fire tested factory assembled package unit.		
23 52 23 00-0017 EA 476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680).....	15,634.82	516.07
Note: Fire tested factory assembled package unit.		
23 52 23 00-0018 EA 565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780).....	17,225.74	619.28
Note: Fire tested factory assembled package unit.		
23 52 23 00-0019 EA 654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880).....	18,930.72	619.28
Note: Fire tested factory assembled package unit.		
23 52 23 00-0020 EA 743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980).....	20,600.09	722.49
Note: Fire tested factory assembled package unit.		
23 52 23 00-0021 EA 833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080).....	21,966.10	825.71
Note: Fire tested factory assembled package unit.		
23 52 23 00-0022 EA 922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180).....	22,916.65	825.71
Note: Fire tested factory assembled package unit.		
23 52 23 00-0023 EA 1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280).....	24,456.57	928.92
Note: Fire tested factory assembled package unit.		

**23 52 23 00-0024 Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)**  
 Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0025 EA 209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380).....	16,498.69	3,055.94
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0026 EA 297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler.....	18,108.95	3,259.67
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0027 EA 386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler.....	19,647.53	3,463.40
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0028 EA 476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler.....	21,366.61	3,667.12
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0029 EA 565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler.....	22,783.32	3,870.85
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0030 EA 654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler.....	24,854.07	4,074.58
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0031 EA 743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler.....	26,154.17	4,278.31
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0032 EA 833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler.....	27,418.40	4,482.04
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0033 EA 922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler.....	28,581.58	4,685.77
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0034 EA 1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler.....	29,959.19	4,889.50
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 52 23 00-0035		<b>Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler</b> <small>(23 52 23 00-0001)</small>			
23 52 23 00-0036	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380)..... Note: Fire tested factory assembled package cast iron unit.	12,000.29		412.86
23 52 23 00-0037	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480)..... Note: Fire tested factory assembled package cast iron unit.	13,396.70		412.86
23 52 23 00-0038	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580)..... Note: Fire tested factory assembled package cast iron unit.	15,136.66		516.07
23 52 23 00-0039	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680)..... Note: Fire tested factory assembled package cast iron unit.	16,640.29		516.07
23 52 23 00-0040	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780)..... Note: Fire tested factory assembled package cast iron unit.	18,258.66		619.28
23 52 23 00-0041	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880)..... Note: Fire tested factory assembled package cast iron unit.	20,131.00		619.28
23 52 23 00-0042	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980)..... Note: Fire tested factory assembled package cast iron unit.	21,630.40		722.49
23 52 23 00-0043	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080)..... Note: Fire tested factory assembled package cast iron unit.	23,094.47		825.71
23 52 23 00-0044	EA	922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180)..... Note: Fire tested factory assembled package cast iron unit.	24,046.33		825.71
23 52 23 00-0045	EA	1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280)..... Note: Fire tested factory assembled package cast iron unit.	25,621.56		928.92
23 52 23 00-0046		<b>Weil-McLain Model 88 Cast Iron Boiler</b> <small>(23 52 23)</small> Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.			
23 52 23 00-0047		<b>Gas Fired Weil-McLain Model 88 Cast Iron Boiler</b> <small>(23 52 23 00-0046)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.			
23 52 23 00-0048	EA	629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488)..... Note: Includes field assembly of individual sections and testing.	25,674.95		4,583.91
23 52 23 00-0049	EA	845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588)..... Note: Includes field assembly of individual sections and testing.	28,365.14		4,864.03
23 52 23 00-0050	EA	1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688)..... Note: Includes field assembly of individual sections and testing.	31,696.08		5,144.16
23 52 23 00-0051	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788)..... Note: Includes field assembly of individual sections and testing.	34,630.41		5,424.29
23 52 23 00-0052	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888)..... Note: Includes field assembly of individual sections and testing.	37,181.13		5,704.41
23 52 23 00-0053	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988)..... Note: Includes field assembly of individual sections and testing.	40,879.66		5,984.54
23 52 23 00-0054	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088)..... Note: Includes field assembly of individual sections and testing.	43,454.43		6,264.67
23 52 23 00-0055	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188)..... Note: Includes field assembly of individual sections and testing.	45,731.74		6,544.80
23 52 23 00-0056	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288)..... Note: Includes field assembly of individual sections and testing.	48,773.56		6,824.92
23 52 23 00-0057	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388)..... Note: Includes field assembly of individual sections and testing.	51,219.28		7,105.05
23 52 23 00-0058	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488)..... Note: Includes field assembly of individual sections and testing.	55,215.27		7,385.18
23 52 23 00-0059	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588)..... Note: Includes field assembly of individual sections and testing.	57,542.13		7,665.30
23 52 23 00-0060	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688)..... Note: Includes field assembly of individual sections and testing.	60,010.43		7,945.43
23 52 23 00-0061	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788)..... Note: Includes field assembly of individual sections and testing.	62,761.23		8,225.56
23 52 23 00-0062	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888)..... Note: Includes field assembly of individual sections and testing.	64,998.52		8,505.69
23 52 23 00-0063		<b>Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler</b> <small>(23 52 23 00-0046)</small>			
23 52 23 00-0064	EA	629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488)..... Note: Fire tested factory assembled package unit.	20,618.39		722.49
23 52 23 00-0065	EA	845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588)..... Note: Fire tested factory assembled package unit.	23,384.73		825.71
23 52 23 00-0066	EA	1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688)..... Note: Fire tested factory assembled package unit.	26,807.46		928.92
23 52 23 00-0067	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788)..... Note: Fire tested factory assembled package unit.	29,805.23		1,032.14
23 52 23 00-0068	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888)..... Note: Fire tested factory assembled package unit.	32,017.53		1,032.14
23 52 23 00-0069	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988)..... Note: Fire tested factory assembled package unit.	35,795.88		1,135.35
23 52 23 00-0070	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088)..... Note: Fire tested factory assembled package unit.	38,035.63		1,135.35
23 52 23 00-0071	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188)..... Note: Fire tested factory assembled package unit.	40,388.83		1,238.57
23 52 23 00-0072	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288)..... Note: Fire tested factory assembled package unit.	43,096.66		1,238.57
23 52 23 00-0073	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388)..... Note: Fire tested factory assembled package unit.	45,618.54		1,341.78
23 52 23 00-0074	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488)..... Note: Fire tested factory assembled package unit.	48,060.62		1,445.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0075 EA 3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588).....	50,053.25	1,445.00
Note: Fire tested factory assembled package unit.		
23 52 23 00-0076 EA 3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688).....	52,598.62	1,548.21
Note: Fire tested factory assembled package unit.		
23 52 23 00-0077 EA 3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788).....	55,013.57	1,548.21
Note: Fire tested factory assembled package unit.		
23 52 23 00-0078 EA 3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888).....	57,354.94	1,651.43
Note: Fire tested factory assembled package unit.		
<b>23 52 23 00-0079 Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler</b> <small>(23 52 23 00-0046)</small>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080 EA 629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488) .....	26,584.97	4,583.91
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0081 EA 845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588) .....	29,269.93	4,864.03
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0082 EA 1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688) .....	32,836.22	5,144.16
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0083 EA 1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788) .....	35,885.61	5,424.29
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0084 EA 1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888) .....	38,308.19	5,704.41
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0085 EA 1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988) .....	41,936.12	5,984.54
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0086 EA 1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088) .....	45,040.43	6,264.67
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0087 EA 2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188) .....	47,317.74	6,544.80
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0088 EA 2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288) .....	50,328.17	6,824.92
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0089 EA 2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388) .....	53,442.03	7,105.05
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0090 EA 2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488) .....	57,550.46	7,385.18
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0091 EA 3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588) .....	60,663.13	7,665.30
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0092 EA 3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688) .....	62,344.32	7,945.43
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0093 EA 3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788) .....	65,024.52	8,225.56
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0094 EA 3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888) .....	67,286.64	8,505.69
Note: Includes field assembly of individual sections and testing.		
<b>23 52 23 00-0095 Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler</b> <small>(23 52 23 00-0046)</small>		
23 52 23 00-0096 EA 629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488).....	21,528.41	722.49
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0097 EA 845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588).....	24,289.52	825.71
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0098 EA 1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688).....	27,934.52	928.92
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0099 EA 1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788).....	31,060.43	1,032.14
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0100 EA 1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888).....	33,147.21	1,032.14
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0101 EA 1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988).....	36,852.34	1,135.35
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0102 EA 1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088).....	39,621.62	1,135.35
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0103 EA 2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188).....	41,974.83	1,238.57
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0104 EA 2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288).....	44,651.28	1,238.57
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0105 EA 2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388).....	47,847.83	1,341.78
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0106 EA 2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488).....	50,395.81	1,445.00
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0107 EA 3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588).....	51,866.75	1,445.00
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0108 EA 3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688).....	54,932.51	1,548.21
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0109 EA 3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788).....	57,276.85	1,548.21
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0110 EA 3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888).....	59,616.92	1,651.43
Note: Fire tested factory assembled package cast iron unit.		
<b>23 52 23 00-0111 Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23)</small>		
Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
<b>23 52 23 00-0112 Gas Fired Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23 00-0111)</small>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0113 EA 1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894) ..... Note: Includes field assembly of individual sections and testing.	70,303.39	8,913.15
23 52 23 00-0114 EA 1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994) ..... Note: Includes field assembly of individual sections and testing.	76,239.83	9,422.47
23 52 23 00-0115 EA 2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094) ..... Note: Includes field assembly of individual sections and testing.	81,659.18	9,931.79
23 52 23 00-0116 EA 2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194) ..... Note: Includes field assembly of individual sections and testing.	86,964.88	10,441.12
23 52 23 00-0117 EA 2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294) ..... Note: Includes field assembly of individual sections and testing.	92,320.11	10,950.44
23 52 23 00-0118 EA 2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394) ..... Note: Includes field assembly of individual sections and testing.	99,131.66	11,459.77
23 52 23 00-0119 EA 2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494) ..... Note: Includes field assembly of individual sections and testing.	104,176.03	11,969.08
23 52 23 00-0120 EA 3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594) ..... Note: Includes field assembly of individual sections and testing.	109,056.15	12,478.41
23 52 23 00-0121 EA 3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694) ..... Note: Includes field assembly of individual sections and testing.	117,015.49	12,987.73
23 52 23 00-0122 EA 3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794) ..... Note: Includes field assembly of individual sections and testing.	121,892.79	13,497.06
23 52 23 00-0123 EA 3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894) ..... Note: Includes field assembly of individual sections and testing.	126,073.13	14,006.37
23 52 23 00-0124 EA 4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994) ..... Note: Includes field assembly of individual sections and testing.	133,754.15	14,515.70
23 52 23 00-0125 EA 4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094) ..... Note: Includes field assembly of individual sections and testing.	138,672.21	15,025.02
23 52 23 00-0126 EA 4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194) ..... Note: Includes field assembly of individual sections and testing.	146,530.32	15,534.35
23 52 23 00-0127 EA 4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294) ..... Note: Includes field assembly of individual sections and testing.	151,708.94	16,043.67
23 52 23 00-0128 EA 4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394) ..... Note: Includes field assembly of individual sections and testing.	157,377.80	16,552.99
23 52 23 00-0129 EA 5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494) ..... Note: Includes field assembly of individual sections and testing.	162,243.25	17,062.31
23 52 23 00-0130 EA 5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594) ..... Note: Includes field assembly of individual sections and testing.	167,249.33	17,571.64
<b>23 52 23 00-0131 Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23 00-0111)</small>		
23 52 23 00-0132 EA 1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894) ..... Note: Fire tested factory assembled package cast iron unit.	63,309.01	1,341.78
23 52 23 00-0133 EA 1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994) ..... Note: Fire tested factory assembled package cast iron unit.	69,052.53	1,445.00
23 52 23 00-0134 EA 2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094) ..... Note: Fire tested factory assembled package cast iron unit.	74,275.66	1,548.21
23 52 23 00-0135 EA 2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194) ..... Note: Fire tested factory assembled package cast iron unit.	79,388.94	1,651.43
23 52 23 00-0136 EA 2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294) ..... Note: Fire tested factory assembled package cast iron unit.	84,135.16	1,651.43
23 52 23 00-0137 EA 2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394) ..... Note: Fire tested factory assembled package cast iron unit.	89,125.67	1,754.63
23 52 23 00-0138 EA 2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494) ..... Note: Fire tested factory assembled package cast iron unit.	93,562.01	1,754.63
23 52 23 00-0139 EA 3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594) ..... Note: Fire tested factory assembled package cast iron unit.	98,247.74	1,857.85
23 52 23 00-0140 EA 3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694) ..... Note: Fire tested factory assembled package cast iron unit.	105,599.81	1,857.85
23 52 23 00-0141 EA 3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794) ..... Note: Fire tested factory assembled package cast iron unit.	110,284.20	1,961.06
23 52 23 00-0142 EA 3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894) ..... Note: Fire tested factory assembled package cast iron unit.	113,856.29	1,961.06
23 52 23 00-0143 EA 4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994) ..... Note: Fire tested factory assembled package cast iron unit.	121,345.41	2,064.28
23 52 23 00-0144 EA 4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094) ..... Note: Fire tested factory assembled package cast iron unit.	125,654.93	2,064.28
23 52 23 00-0145 EA 4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194) ..... Note: Fire tested factory assembled package cast iron unit.	133,342.77	2,167.49
23 52 23 00-0146 EA 4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) ..... Note: Fire tested factory assembled package cast iron unit.	137,888.95	2,167.49
23 52 23 00-0147 EA 4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) ..... Note: Fire tested factory assembled package cast iron unit.	143,361.83	2,270.71
23 52 23 00-0148 EA 5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) ..... Note: Fire tested factory assembled package cast iron unit.	147,620.36	2,270.71
23 52 23 00-0149 EA 5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) ..... Note: Fire tested factory assembled package cast iron unit.	152,431.58	2,373.92
<b>23 52 23 00-0150 Oil Fired Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23 00-0111)</small>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0151 EA 1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) ..... Note: Includes field assembly of individual sections and testing.	66,401.81	8,913.15
23 52 23 00-0152 EA 1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) ..... Note: Includes field assembly of individual sections and testing.	72,338.25	9,422.47





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0153 EA 2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) ..... Note: Includes field assembly of individual sections and testing.	79,564.56	9,931.79
23 52 23 00-0154 EA 2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) ..... Note: Includes field assembly of individual sections and testing.	84,398.25	10,441.12
23 52 23 00-0155 EA 2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) ..... Note: Includes field assembly of individual sections and testing.	89,431.84	10,950.44
23 52 23 00-0156 EA 2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) ..... Note: Includes field assembly of individual sections and testing.	95,883.84	11,459.77
23 52 23 00-0157 EA 2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) ..... Note: Includes field assembly of individual sections and testing.	101,171.40	11,969.08
23 52 23 00-0158 EA 3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) ..... Note: Includes field assembly of individual sections and testing.	106,054.13	12,478.41
23 52 23 00-0159 EA 3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) ..... Note: Includes field assembly of individual sections and testing.	114,947.02	12,987.73
23 52 23 00-0160 EA 3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) ..... Note: Includes field assembly of individual sections and testing.	119,825.63	13,497.06
23 52 23 00-0161 EA 3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) ..... Note: Includes field assembly of individual sections and testing.	124,702.87	14,006.37
23 52 23 00-0162 EA 4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) ..... Note: Includes field assembly of individual sections and testing.	133,763.30	14,515.70
23 52 23 00-0163 EA 4,285 MBH Steam, 4,970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) ..... Note: Includes field assembly of individual sections and testing.	138,681.36	15,025.02
23 52 23 00-0164 EA 4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) ..... Note: Includes field assembly of individual sections and testing.	146,749.98	15,534.35
23 52 23 00-0165 EA 4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) ..... Note: Includes field assembly of individual sections and testing.	151,927.29	16,043.67
23 52 23 00-0166 EA 4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) ..... Note: Includes field assembly of individual sections and testing.	157,483.71	16,552.99
23 52 23 00-0167 EA 5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) ..... Note: Includes field assembly of individual sections and testing.	162,349.16	17,062.31
23 52 23 00-0168 EA 5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) ..... Note: Includes field assembly of individual sections and testing.	167,363.08	17,571.64
<b>23 52 23 00-0169 Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)</b>		
23 52 23 00-0170 EA 1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) ..... Note: Fire tested factory assembled package cast iron unit.	59,195.62	1,341.78
23 52 23 00-0171 EA 1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) ..... Note: Fire tested factory assembled package cast iron unit.	64,939.13	1,445.00
23 52 23 00-0172 EA 2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) ..... Note: Fire tested factory assembled package cast iron unit.	71,969.23	1,548.21
23 52 23 00-0173 EA 2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) ..... Note: Fire tested factory assembled package cast iron unit.	76,610.50	1,651.43
23 52 23 00-0174 EA 2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) ..... Note: Fire tested factory assembled package cast iron unit.	81,035.08	1,651.43
23 52 23 00-0175 EA 2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) ..... Note: Fire tested factory assembled package cast iron unit.	85,666.02	1,754.63
23 52 23 00-0176 EA 2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) ..... Note: Fire tested factory assembled package cast iron unit.	90,345.57	1,754.63
23 52 23 00-0177 EA 3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) ..... Note: Fire tested factory assembled package cast iron unit.	95,031.28	1,857.85
23 52 23 00-0178 EA 3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) ..... Note: Fire tested factory assembled package cast iron unit.	103,319.53	1,857.85
23 52 23 00-0179 EA 3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) ..... Note: Fire tested factory assembled package cast iron unit.	108,002.61	1,961.06
23 52 23 00-0180 EA 3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) ..... Note: Fire tested factory assembled package cast iron unit.	112,274.21	1,961.06
23 52 23 00-0181 EA 4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) ..... Note: Fire tested factory assembled package cast iron unit.	121,142.75	2,064.28
23 52 23 00-0182 EA 4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) ..... Note: Fire tested factory assembled package cast iron unit.	125,452.27	2,064.28
23 52 23 00-0183 EA 4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) ..... Note: Fire tested factory assembled package cast iron unit.	133,324.47	2,167.49
23 52 23 00-0184 EA 4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) ..... Note: Fire tested factory assembled package cast iron unit.	137,895.49	2,167.49
23 52 23 00-0185 EA 4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) ..... Note: Fire tested factory assembled package cast iron unit.	143,255.93	2,270.71
23 52 23 00-0186 EA 5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) ..... Note: Fire tested factory assembled package cast iron unit.	147,514.45	2,270.71
23 52 23 00-0187 EA 5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) ..... Note: Fire tested factory assembled package cast iron unit.	152,333.52	2,373.92
<b>23 52 23 00-0188 Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)</b>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189 EA 1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894) ..... Note: Includes field assembly of individual sections and testing.	71,529.82	8,913.15
23 52 23 00-0190 EA 1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994) ..... Note: Includes field assembly of individual sections and testing.	77,467.57	9,422.47
23 52 23 00-0191 EA 2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094) ..... Note: Includes field assembly of individual sections and testing.	83,221.64	9,931.79
23 52 23 00-0192 EA 2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194) ..... Note: Includes field assembly of individual sections and testing.	88,659.40	10,441.12

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0193 EA 2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294).....	93,984.56	10,950.44
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0194 EA 2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394).....	99,746.19	11,459.77
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0195 EA 2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494).....	106,217.04	11,969.08
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0196 EA 3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594).....	111,418.80	12,478.41
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0197 EA 3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694).....	119,583.41	12,987.73
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0198 EA 3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794).....	124,460.72	13,497.06
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0199 EA 3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894).....	128,732.59	14,006.37
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0200 EA 4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994).....	136,502.52	14,515.70
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0201 EA 4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094).....	142,728.07	15,025.02
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0202 EA 4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194).....	151,287.01	15,534.35
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0203 EA 4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294).....	156,426.40	16,043.67
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0204 EA 4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394).....	162,338.46	16,552.99
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0205 EA 5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494).....	167,205.22	17,062.31
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0206 EA 5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594).....	172,215.21	17,571.64
Note: Includes field assembly of individual sections and testing.		
<b>23 52 23 00-0207 Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)</b>		
23 52 23 00-0208 EA 1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894).....	64,630.89	1,341.78
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0209 EA 1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994).....	70,375.72	1,445.00
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0210 EA 2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094).....	75,937.49	1,548.21
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0211 EA 2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194).....	81,180.21	1,651.43
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0212 EA 2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294).....	85,896.36	1,651.43
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0213 EA 2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394).....	89,835.64	1,754.63
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0214 EA 2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494).....	95,698.47	1,754.63
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0215 EA 3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594).....	100,704.53	1,857.85
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0216 EA 3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694).....	108,264.49	1,857.85
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0217 EA 3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794).....	112,946.27	1,961.06
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0218 EA 3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894).....	116,611.19	1,961.06
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0219 EA 4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994).....	124,189.22	2,064.28
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0220 EA 4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094).....	129,807.55	2,064.28
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0221 EA 4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194).....	138,170.06	2,167.49
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0222 EA 4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294).....	142,703.16	2,167.49
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0223 EA 4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394).....	148,417.93	2,270.71
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0224 EA 5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494).....	152,677.77	2,270.71
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0225 EA 5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594).....	157,494.22	2,373.92
Note: Fire tested factory assembled package cast iron unit.		
<b>23 52 33 Water-Tube Boilers (23 52)</b>		
<b>23 52 33 13 Finned Water-Tube Boilers (23 52 33)</b>		
<b>23 52 33 13-0001 Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler (23 52 33 13)</b>		
Note: Rated by gross rated output.		
23 52 33 13-0002 EA 200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	8,904.53	573.09
23 52 33 13-0003 EA 300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	9,797.40	636.77
23 52 33 13-0004 EA 400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	11,245.34	764.12
23 52 33 13-0005 EA 500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	14,417.48	795.96
23 52 33 13-0006 EA 750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	16,931.38	955.14
23 52 33 13-0007 EA 1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	20,813.27	1,146.17
23 52 33 13-0008 EA 1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	23,671.04	1,209.86
23 52 33 13-0009 EA 1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	26,230.71	1,305.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 13-0010 EA 1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	28,619.18	1,369.04
23 52 33 13-0011 EA 2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	30,730.92	1,400.89
<b>23 52 33 13-0012 Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler</b> <small>(23 52 33 13)</small>		
Note: Rated by gross rated output.		
23 52 33 13-0013 EA 1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	31,337.77	1,146.17
23 52 33 13-0014 EA 1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	39,178.06	1,305.37
23 52 33 13-0015 EA 2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	41,744.21	1,400.89
23 52 33 13-0016 EA 2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	59,182.41	1,591.91
23 52 33 13-0017 EA 3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	62,041.24	1,782.94
<b>23 52 33 13-0018 Lochinvar Copper-Fin II Finned Tube Boiler</b> <small>(23 52 33 13)</small>		
Note: Rated by gross rated output.		
23 52 33 13-0019 EA 340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402).....	13,315.30	514.24
<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>		
	502.08	
	444.78	
23 52 33 13-0020 EA 425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502).....	15,974.24	642.56
<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>		
	502.08	
	444.78	
23 52 33 13-0021 EA 552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652).....	17,107.81	771.84
<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>		
	502.08	
	444.78	
23 52 33 13-0022 EA 637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752).....	17,586.70	771.84
<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>		
	502.08	
	444.78	
23 52 33 13-0023 EA 841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992).....	21,812.49	964.80
<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>		
	502.08	
	444.78	
23 52 33 13-0024 EA 1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262).....	25,327.07	964.80
<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>		
	502.08	
	444.78	
23 52 33 13-0025 EA 1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442).....	27,651.92	964.80
<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>		
	502.08	
	444.78	
23 52 33 13-0026 EA 1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802).....	29,756.15	1,157.76
<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>		
	502.08	
	444.78	
23 52 33 13-0027 EA 1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072).....	35,201.67	1,350.71
<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>		
	502.08	
	444.78	
<b>23 52 33 13-0028 Raypak Cupro-Nickel Finned-Tube Boiler With Pump</b> <small>(23 52 33 13)</small>		
Note: Rated by gross rated output.		
23 52 33 13-0029 EA 385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B).....	12,743.82	706.81
23 52 33 13-0030 EA 420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B).....	13,716.12	636.77
23 52 33 13-0031 EA 546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B).....	15,280.31	764.12
23 52 33 13-0032 EA 630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B).....	16,211.26	867.45
23 52 33 13-0033 EA 756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B).....	18,007.69	955.14
23 52 33 13-0034 EA 832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B).....	19,372.75	1,028.09
23 52 33 13-0035 EA 1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B).....	22,144.22	1,146.17
23 52 33 13-0036 EA 1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B).....	25,799.73	1,209.86
23 52 33 13-0037 EA 1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B).....	27,362.58	1,305.37
23 52 33 13-0038 EA 1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B).....	32,835.84	1,337.21
23 52 33 13-0039 EA 1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B).....	32,932.32	1,369.04
23 52 33 13-0040 EA 1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B).....	38,647.45	1,400.89
<b>23 52 33 13-0041 Raypak Gas Fired Finned-Tube Water Heater With Pump (Type WH)</b> <small>(23 52 33 13)</small>		
Note: Rated by gross rated output.		
23 52 33 13-0042 EA 150 MBH Input, High Delta Copper Finned Tube Boiler, Raypak WH1-HD151.....	10,142.41	642.56
Note: 85% Efficient		
23 52 33 13-0043 EA 200 MBH Input, High Delta Copper Finned Tube Boiler, Raypak WH1-HD201.....	12,341.91	674.69
Note: 85% Efficient		
23 52 33 13-0044 EA 250 MBH Input, High Delta Copper Finned Tube Boiler, Raypak WH1-HD251.....	13,953.38	706.81
Note: 85% Efficient		
23 52 33 13-0045 EA 300 MBH Input, High Delta Copper Finned Tube Boiler, Raypak WH1-HD301.....	17,256.04	771.06
Note: 85% Efficient		
23 52 33 13-0046 EA 300 MBH Input, Copper Finned Tube Boiler, Raypak WH1-302B.....	17,246.08	771.06
Note: 85% Efficient		
23 52 33 13-0047 EA 400 MBH Input, Copper Finned Tube Boiler, Raypak WH1-402B.....	21,226.50	835.32
Note: 85% Efficient		
23 52 33 13-0048 EA 500 MBH Input, Copper Finned Tube Boiler, Raypak WH3-502B.....	23,570.33	899.58
Note: 85% Efficient		
23 52 33 13-0049 EA 650 MBH Input, Copper Finned Tube Boiler, Raypak WH3-652B.....	24,837.74	963.83
Note: 85% Efficient		
23 52 33 13-0050 EA 750 MBH Input, Copper Finned Tube Boiler, Raypak WH3-752B.....	26,465.95	1,028.09
Note: 85% Efficient		
23 52 33 13-0051 EA 900 MBH Input, Copper Finned Tube Boiler, Raypak WH3-902B.....	28,895.50	1,092.35
Note: 85% Efficient		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 13-0052 EA 990 MBH Input, Copper Finned Tube Boiler, Raypak WH3-992B ..... Note: 85% Efficient	30,523.71	1,156.60
23 52 33 13-0053 EA 1260 MBH Input, Copper Finned Tube Boiler, Raypak WH3-1262B..... Note: 85% Efficient	35,195.83	1,220.85
<b>23 52 33 16 Steel Water-Tube Boilers (23 52 33)</b>		
<b>23 52 33 16-0001 Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (23 52 33 16)</b> Note: Compliant with BAAQMD.		
23 52 33 16-0002 EA 1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100).....	84,132.23	1,543.67
23 52 33 16-0003 EA 1,750 MBH Input/1,488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150).....	90,389.53	1,929.60
23 52 33 16-0004 EA 2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200).....	91,993.25	2,122.55
23 52 33 16-0005 EA 2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250).....	99,082.43	2,315.51
23 52 33 16-0006 EA 3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300).....	102,404.04	2,604.95
23 52 33 16-0007 EA 3,750 MBH Output/3,188 MBH Input, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350).....	113,036.75	2,894.39
23 52 33 16-0008 EA 4,300 MBH Input/3,655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400).....	117,800.20	2,990.87
<b>23 52 33 16-0009 Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (23 52 33 16)</b> Note: Compliant with BAAQMD.		
23 52 33 16-0010 EA 1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100LS).....	98,229.66	1,736.64
23 52 33 16-0011 EA 1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150LS).....	103,074.06	2,026.07
23 52 33 16-0012 EA 2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200LS).....	105,897.72	2,219.03
23 52 33 16-0013 EA 2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250LS).....	118,470.23	2,411.99
23 52 33 16-0014 EA 3,000 MBH, 74 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300LS).....	122,816.68	2,604.95
23 52 33 16-0015 EA 3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350LS).....	131,316.64	2,894.39
23 52 33 16-0016 EA 4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400LS).....	139,022.19	3,087.35
23 52 33 16-0017 EA 5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500LS).....	232,938.16	3,280.31
23 52 33 16-0018 EA 6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600LS).....	252,213.93	3,473.27
23 52 33 16-0019 EA 7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700LS).....	265,396.42	3,666.22
23 52 33 16-0020 EA 8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800LS).....	272,180.61	3,859.19
<b>23 52 33 16-0021 Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (23 52 33 16)</b> Note: Compliant with BAAQMD.		
23 52 33 16-0022 EA 1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS).....	105,845.75	1,736.64
23 52 33 16-0023 EA 1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS).....	112,215.07	2,026.07
23 52 33 16-0024 EA 2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS).....	116,256.53	2,219.03
23 52 33 16-0025 EA 2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS).....	129,134.03	2,411.99
23 52 33 16-0026 EA 3,000 MBH, 74 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS).....	133,480.48	2,604.95
23 52 33 16-0027 EA 3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS).....	140,457.64	2,894.39
23 52 33 16-0028 EA 4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS).....	148,461.78	3,087.35
23 52 33 16-0029 EA 5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS).....	241,774.19	3,280.31
23 52 33 16-0030 EA 6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS).....	262,574.88	3,473.27
23 52 33 16-0031 EA 7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS).....	270,881.88	3,666.22
23 52 33 16-0032 EA 8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS).....	282,541.56	3,859.19
23 52 33 16-0033 EA 9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS).....	314,308.91	4,052.15
23 52 33 16-0034 EA 10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS).....	455,303.43	4,245.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 52 33 16-0035	EA	12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS)	478,388.31	4,438.06
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**23 52 36 Fire-Box Boiler (23 52)**

**23 52 36 00-0001 Package Oil Fired Firebox Boilers (23 52 36)**

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP) boiler sizes are based on HP rating and gross output.

23 52 36 00-0002	EA	40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	78,702.99	2,477.14
23 52 36 00-0003	EA	46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	82,272.43	2,683.57
23 52 36 00-0004	EA	53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	86,128.79	2,889.99
23 52 36 00-0005	EA	61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	93,141.71	3,096.41
23 52 36 00-0006	EA	69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	97,285.00	3,302.84
23 52 36 00-0007	EA	80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	101,356.69	3,509.27
23 52 36 00-0008	EA	100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	112,760.07	3,715.70
23 52 36 00-0009	EA	127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	130,502.08	4,128.55
23 52 36 00-0010	EA	151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	148,545.45	4,541.41
23 52 36 00-0011	EA	183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	162,961.37	5,005.87
23 52 36 00-0012	EA	220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	177,377.43	5,470.34
23 52 36 00-0013	EA	257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	186,409.44	6,399.26
23 52 36 00-0014	EA	294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	227,222.06	7,328.18
23 52 36 00-0015	EA	368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	269,039.02	8,257.12
23 52 36 00-0016	EA	441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	311,277.70	9,289.25
23 52 36 00-0017	EA	514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	352,569.80	10,063.35

**23 52 39 Fire-Tube Boilers (23 52)**

**23 52 39 13 Scotch Marine Boilers (23 52 39)**

**23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers (23 52 39 13)**

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.

**23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0001)**

23 52 39 13-0003	EA	30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	62,695.66	1,135.35
23 52 39 13-0004	EA	40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	67,483.07	1,238.57
23 52 39 13-0005	EA	50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	73,295.81	1,341.78
23 52 39 13-0006	EA	60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	76,555.42	1,548.21
23 52 39 13-0007	EA	70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	80,212.10	1,651.43
23 52 39 13-0008	EA	80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	83,961.50	1,754.63
23 52 39 13-0009	EA	90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	86,553.45	1,806.24
23 52 39 13-0010	EA	100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	91,378.68	1,857.85
23 52 39 13-0011	EA	125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	103,325.37	2,064.28
23 52 39 13-0012	EA	150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	117,425.30	2,270.71
23 52 39 13-0013	EA	175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	128,797.06	2,502.94
23 52 39 13-0014	EA	200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	140,166.71	2,735.17
23 52 39 13-0015	EA	250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	147,783.96	3,199.63
23 52 39 13-0016	EA	300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	179,774.33	3,664.09
23 52 39 13-0017	EA	350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	194,587.59	4,128.55
23 52 39 13-0018	EA	400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	229,164.76	4,593.01
23 52 39 13-0019	EA	500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	278,435.07	5,057.48
23 52 39 13-0020	EA	600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	325,807.03	5,521.95
23 52 39 13-0021	EA	700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	371,160.10	5,986.41
23 52 39 13-0022	EA	800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	414,688.80	6,450.87
23 52 39 13-0023	EA	900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	646,263.74	6,915.33
23 52 39 13-0024	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	703,185.27	7,379.79

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 52 39 13-0025		<b>15 PSI Oil Fired Steam Scotch Marine Boilers</b> (23 52 39 13-0001)		
23 52 39 13-0026	EA	30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	58,092.11	1,135.35
23 52 39 13-0027	EA	40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	62,533.01	1,238.57
23 52 39 13-0028	EA	50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	67,915.31	1,341.78
23 52 39 13-0029	EA	60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	73,981.39	1,548.21
23 52 39 13-0030	EA	70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	77,176.06	1,651.43
23 52 39 13-0031	EA	80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	80,365.90	1,754.63
23 52 39 13-0032	EA	90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	83,356.72	1,806.24
23 52 39 13-0033	EA	100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	89,332.65	1,857.85
23 52 39 13-0034	EA	125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	103,422.93	2,064.28
23 52 39 13-0035	EA	150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	117,531.47	2,270.71
23 52 39 13-0036	EA	175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	128,914.72	2,502.94
23 52 39 13-0037	EA	200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	140,295.84	2,735.17
23 52 39 13-0038	EA	250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	147,918.83	3,199.63
23 52 39 13-0039	EA	300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	179,940.77	3,664.09
23 52 39 13-0040	EA	350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	194,765.51	4,128.55
23 52 39 13-0041	EA	400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	229,377.11	4,593.01
23 52 39 13-0042	EA	500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	278,693.34	5,057.48
23 52 39 13-0043	EA	600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	326,111.21	5,521.95
23 52 39 13-0044	EA	700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	371,507.32	5,986.41
23 52 39 13-0045	EA	800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	415,079.07	6,450.87
23 52 39 13-0046	EA	900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	646,880.66	6,915.33
23 52 39 13-0047	EA	1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	703,860.15	7,379.79
23 52 39 13-0048		<b>15 PSI Gas/Oil Fired Steam Scotch Marine Boilers</b> (23 52 39 13-0001)		
23 52 39 13-0049	EA	30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	64,710.55	1,135.35
23 52 39 13-0050	EA	40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	69,649.62	1,238.57
23 52 39 13-0051	EA	50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	75,646.01	1,341.78
23 52 39 13-0052	EA	60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	79,476.67	1,548.21
23 52 39 13-0053	EA	70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	82,898.05	1,651.43
23 52 39 13-0054	EA	80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	86,314.58	1,754.63
23 52 39 13-0055	EA	90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	89,529.23	1,806.24
23 52 39 13-0056	EA	100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	92,744.61	1,857.85
23 52 39 13-0057	EA	125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	107,388.72	2,064.28
23 52 39 13-0058	EA	150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	122,051.09	2,270.71
23 52 39 13-0059	EA	175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	133,870.51	2,502.94
23 52 39 13-0060	EA	200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	145,684.95	2,735.17
23 52 39 13-0061	EA	250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	153,548.99	3,199.63
23 52 39 13-0062	EA	300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	186,827.81	3,664.09
23 52 39 13-0063	EA	350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	202,192.03	4,128.55
23 52 39 13-0064	EA	400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	238,169.56	4,593.01
23 52 39 13-0065	EA	500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	289,462.95	5,057.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0066 EA 600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	338,777.62	5,521.95
23 52 39 13-0067 EA 700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	385,990.19	5,986.41
23 52 39 13-0068 EA 800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	431,298.05	6,450.87
23 52 39 13-0069 EA 900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	672,683.64	6,915.33
23 52 39 13-0070 EA 1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	731,956.91	7,379.79
<b>23 52 39 13-0071 125 PSI Water Scotch Marine Boilers</b> <small>(23 52 39 13)</small> Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
<b>23 52 39 13-0072 125 PSI Gas Fired Water Scotch Marine Boilers</b> <small>(23 52 39 13-0071)</small>		
23 52 39 13-0073 EA 40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	74,240.98	1,238.57
23 52 39 13-0074 EA 50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	83,322.19	1,341.78
23 52 39 13-0075 EA 60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	89,494.45	1,548.21
23 52 39 13-0076 EA 70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	96,204.38	1,651.43
23 52 39 13-0077 EA 80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	103,055.82	1,754.63
23 52 39 13-0078 EA 90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	108,511.63	1,806.24
23 52 39 13-0079 EA 100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	116,849.25	1,857.85
23 52 39 13-0080 EA 125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	125,349.55	2,064.28
23 52 39 13-0081 EA 150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	136,648.75	2,270.71
23 52 39 13-0082 EA 175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	145,343.18	2,502.94
23 52 39 13-0083 EA 200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	150,457.09	2,735.17
23 52 39 13-0084 EA 250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	182,156.03	3,199.63
23 52 39 13-0085 EA 300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	212,097.51	3,664.09
23 52 39 13-0086 EA 350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	228,575.13	4,128.55
23 52 39 13-0087 EA 400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	255,034.20	4,593.01
23 52 39 13-0088 EA 500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	309,128.31	5,057.48
23 52 39 13-0089 EA 600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	361,903.73	5,521.95
23 52 39 13-0090 EA 700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	412,430.69	5,986.41
23 52 39 13-0091 EA 800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	460,912.32	6,450.87
23 52 39 13-0092 EA 900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	719,793.11	6,915.33
23 52 39 13-0093 EA 1,000 HP, 33,476 125 PSI MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	783,256.46	7,379.79
<b>23 52 39 13-0094 125 PSI Oil Fired Water Scotch Marine Boilers</b> <small>(23 52 39 13-0071)</small>		
23 52 39 13-0095 EA 40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	68,754.31	1,238.57
23 52 39 13-0096 EA 50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	77,146.81	1,341.78
23 52 39 13-0097 EA 60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	86,444.06	1,548.21
23 52 39 13-0098 EA 70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	92,511.21	1,651.43
23 52 39 13-0099 EA 80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	98,570.64	1,754.63
23 52 39 13-0100 EA 90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	104,428.19	1,806.24
23 52 39 13-0101 EA 100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	114,180.52	1,857.85
23 52 39 13-0102 EA 125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	125,467.20	2,064.28
23 52 39 13-0103 EA 150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	136,775.01	2,270.71
23 52 39 13-0104 EA 175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	145,478.05	2,502.94

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0105 EA 200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	150,597.70	2,735.17
23 52 39 13-0106 EA 250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	182,325.34	3,199.63
23 52 39 13-0107 EA 300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	212,295.51	3,664.09
23 52 39 13-0108 EA 350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	228,787.48	4,128.55
23 52 39 13-0109 EA 400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	255,272.38	4,593.01
23 52 39 13-0110 EA 500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	309,418.14	5,057.48
23 52 39 13-0111 EA 600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	362,245.21	5,521.95
23 52 39 13-0112 EA 700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	412,820.95	5,986.41
23 52 39 13-0113 EA 800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	461,348.50	6,450.87
23 52 39 13-0114 EA 900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	720,484.55	6,915.33
23 52 39 13-0115 EA 1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	784,010.01	7,379.79
<b>23 52 39 13-0116 125 PSI Gas/Oil Fired Water Scotch Marine Boilers (23 52 39 13-0071)</b>		
23 52 39 13-0117 EA 40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	76,639.97	1,238.57
23 52 39 13-0118 EA 50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	86,019.62	1,341.78
23 52 39 13-0119 EA 60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	92,952.32	1,548.21
23 52 39 13-0120 EA 70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	99,475.72	1,651.43
23 52 39 13-0121 EA 80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	105,994.29	1,754.63
23 52 39 13-0122 EA 90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	112,310.98	1,806.24
23 52 39 13-0123 EA 100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	118,628.40	1,857.85
23 52 39 13-0124 EA 125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	130,351.26	2,064.28
23 52 39 13-0125 EA 150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	142,095.25	2,270.71
23 52 39 13-0126 EA 175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	151,122.55	2,502.94
23 52 39 13-0127 EA 200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	156,417.25	2,735.17
23 52 39 13-0128 EA 250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	189,390.29	3,199.63
23 52 39 13-0129 EA 300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	220,531.26	3,664.09
23 52 39 13-0130 EA 350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	237,631.59	4,128.55
23 52 39 13-0131 EA 400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	265,143.80	4,593.01
23 52 39 13-0132 EA 500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	321,470.46	5,057.48
23 52 39 13-0133 EA 600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	376,418.16	5,521.95
23 52 39 13-0134 EA 700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	429,025.58	5,986.41
23 52 39 13-0135 EA 800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	479,495.85	6,450.87
23 52 39 13-0136 EA 900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	749,355.56	6,915.33
23 52 39 13-0137 EA 1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	815,443.93	7,379.79
<b>23 52 39 13-0138 150 PSI Steam Scotch Marine Boilers (23 52 39 13)</b> Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
<b>23 52 39 13-0139 150 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0138)</b>		
23 52 39 13-0140 EA 40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	86,241.65	1,238.57
23 52 39 13-0141 EA 50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	93,672.84	1,341.78
23 52 39 13-0142 EA 60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	97,664.20	1,548.21
23 52 39 13-0143 EA 70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	102,293.67	1,651.43





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0144 EA 80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	107,044.57	1,754.63
23 52 39 13-0145 EA 90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	110,353.91	1,806.24
23 52 39 13-0146 EA 100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	116,565.16	1,857.85
23 52 39 13-0147 EA 125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	131,849.19	2,064.28
23 52 39 13-0148 EA 150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	149,926.39	2,270.71
23 52 39 13-0149 EA 175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	164,431.75	2,502.94
23 52 39 13-0150 EA 200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	178,935.00	2,735.17
23 52 39 13-0151 EA 250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	188,279.76	3,199.63
23 52 39 13-0152 EA 300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	229,312.24	3,664.09
23 52 39 13-0153 EA 350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	247,990.50	4,128.55
23 52 39 13-0154 EA 400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	292,407.87	4,593.01
23 52 39 13-0155 EA 500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	355,905.66	5,057.48
23 52 39 13-0156 EA 600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	416,913.96	5,521.95
23 52 39 13-0157 EA 700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	475,326.58	5,986.41
23 52 39 13-0158 EA 800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	531,355.26	6,450.87
23 52 39 13-0159 EA 900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	831,848.89	6,915.33
23 52 39 13-0160 EA 1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	905,265.77	7,379.79
<b>23 52 39 13-0161 150 PSI Oil Fired Steam Scotch Marine Boilers</b> <small>(23 52 39 13-0138)</small>		
23 52 39 13-0162 EA 40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	79,805.14	1,238.57
23 52 39 13-0163 EA 50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	86,679.63	1,341.78
23 52 39 13-0164 EA 60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	94,315.38	1,548.21
23 52 39 13-0165 EA 70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	98,347.97	1,651.43
23 52 39 13-0166 EA 80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	102,372.86	1,754.63
23 52 39 13-0167 EA 90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	106,195.86	1,806.24
23 52 39 13-0168 EA 100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	113,902.17	1,857.85
23 52 39 13-0169 EA 125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	131,972.58	2,064.28
23 52 39 13-0170 EA 150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	150,067.00	2,270.71
23 52 39 13-0171 EA 175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	164,586.71	2,502.94
23 52 39 13-0172 EA 200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	179,104.31	2,735.17
23 52 39 13-0173 EA 250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	188,454.80	3,199.63
23 52 39 13-0174 EA 300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	229,527.46	3,664.09
23 52 39 13-0175 EA 350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	248,222.94	4,128.55
23 52 39 13-0176 EA 400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	292,683.35	4,593.01
23 52 39 13-0177 EA 500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	356,241.41	5,057.48
23 52 39 13-0178 EA 600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	417,309.96	5,521.95
23 52 39 13-0179 EA 700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	475,777.11	5,986.41
23 52 39 13-0180 EA 800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	531,860.31	6,450.87
23 52 39 13-0181 EA 900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	832,652.13	6,915.33
23 52 39 13-0182 EA 1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	906,143.53	7,379.79
<b>23 52 39 13-0183 150 PSI Gas/Oil Fired Steam Scotch Marine Boilers</b> <small>(23 52 39 13-0138)</small>		
23 52 39 13-0184 EA 40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	89,056.73	1,238.57

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0185 EA 50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	96,728.97	1,341.78
23 52 39 13-0186 EA 60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	101,460.68	1,548.21
23 52 39 13-0187 EA 70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	105,785.98	1,651.43
23 52 39 13-0188 EA 80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	110,103.56	1,754.63
23 52 39 13-0189 EA 90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	114,222.14	1,806.24
23 52 39 13-0190 EA 100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	118,338.57	1,857.85
23 52 39 13-0191 EA 125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	137,129.26	2,064.28
23 52 39 13-0192 EA 150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	155,941.07	2,270.71
23 52 39 13-0193 EA 175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	171,026.10	2,502.94
23 52 39 13-0194 EA 200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	186,111.87	2,735.17
23 52 39 13-0195 EA 250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	195,775.15	3,199.63
23 52 39 13-0196 EA 300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	238,480.61	3,664.09
23 52 39 13-0197 EA 350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	257,876.28	4,128.55
23 52 39 13-0198 EA 400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	304,112.97	4,593.01
23 52 39 13-0199 EA 500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	370,245.06	5,057.48
23 52 39 13-0200 EA 600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	433,775.73	5,521.95
23 52 39 13-0201 EA 700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	494,604.55	5,986.41
23 52 39 13-0202 EA 800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	552,946.13	6,450.87
23 52 39 13-0203 EA 900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	866,193.51	6,915.33
23 52 39 13-0204 EA 1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	942,666.00	7,379.79

**23 53 Heating Boiler Feedwater Equipment** (23 50)**23 53 13 Boiler Feedwater Pumps** (23 53)

See CSI section 23 53 16 00-0001 for boiler feedwater units.

**23 53 16 Deaerators** (23 53)**23 53 16 00-0001 Boiler Feed System** (23 53 16)**23 53 16 00-0002 Low Pressure Boiler Feed System** (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003 EA 20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	6,456.35	1,205.60
23 53 16 00-0004 EA 34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	6,958.79	1,420.33
23 53 16 00-0005 EA 54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	7,480.50	1,470.08
23 53 16 00-0006 EA 67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	7,718.69	1,524.02
23 53 16 00-0007 EA 78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	8,166.26	1,628.77
23 53 16 00-0008 EA 104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	13,145.44	1,764.93
23 53 16 00-0009 EA 158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	14,842.09	1,885.40
23 53 16 00-0010 EA 219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	17,016.50	2,147.25
23 53 16 00-0011 EA 254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	18,731.33	2,304.37
23 53 16 00-0012 EA 305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	20,183.29	2,461.49

**23 53 16 00-0013 High Pressure Boiler Feed System** (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014 EA 10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	9,024.04	1,027.85
23 53 16 00-0015 EA 20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	9,389.40	1,205.60
23 53 16 00-0016 EA 34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	10,440.08	1,420.33
23 53 16 00-0017 EA 54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	11,289.89	1,470.08
23 53 16 00-0018 EA 67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	11,484.45	1,524.02
23 53 16 00-0019 EA 78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	13,882.47	1,628.77
23 53 16 00-0020 EA 104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	18,101.05	1,764.93
23 53 16 00-0021 EA 158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	18,559.73	1,885.40
23 53 16 00-0022 EA 183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	20,423.75	2,019.05
23 53 16 00-0023 EA 219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	21,980.95	2,147.25
23 53 16 00-0024 EA 254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	23,514.12	2,304.37
23 53 16 00-0025 EA 305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	25,368.56	2,461.49

**23 53 16 00-0026 Boiler Feedwater System** (23 53 16)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0027 EA 1,380 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	11,261.31	1,420.33
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 53 16 00-0028 EA 2,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	14,707.94	1,627.20
23 53 16 00-0029 EA 4,300 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	19,445.67	1,862.35
23 53 16 00-0030 EA 6,900 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	23,403.79	2,148.30
23 53 16 00-0031 EA 8,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	24,835.77	2,304.37
23 53 16 00-0032 EA 11,000 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	26,195.97	2,461.49
23 53 16 00-0033 EA 13,800 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	29,154.14	2,828.20
23 53 16 00-0034 EA 17,250 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	37,755.44	3,247.27
23 53 16 00-0035 EA 20,700 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	49,075.85	3,752.15
23 53 16 00-0036 EA 27,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	62,179.30	4,307.08
23 53 16 00-0037 EA 34,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	79,770.65	4,955.44
<b>23 53 16 00-0038 Duplex Vacuum Condensate Pumps (23 53 16)</b>		
23 53 16 00-0039 EA 7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.	31,722.75	837.95
23 53 16 00-0040 EA 9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.	32,430.62	890.33
23 53 16 00-0041 EA 12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.	33,248.16	942.70
23 53 16 00-0042 EA 18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump..... Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.	32,115.54	995.07
23 53 16 00-0043 EA 28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump..... Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.	43,656.03	1,047.44
23 53 16 00-0044 EA 42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump..... Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.	45,953.96	1,099.82
<b>23 54 Furnaces (23 50)</b>		
Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.		
<b>23 54 13 Electric-Resistance Furnaces (23 54)</b>		
<b>23 54 13 00-0001 Down Flow Multi-Speed Air Handler/Electric Furnace (23 54 13)</b>		
23 54 13 00-0002 EA Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace .....	1,316.48	104.11
Note: Excludes cooling equipment.		
23 54 13 00-0003 EA >2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace .....	1,748.06	130.14
Note: Excludes cooling equipment.		
23 54 13 00-0004 EA >3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace .....	2,276.07	156.18
Note: Excludes cooling equipment.		
<b>23 54 13 00-0005 Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace (23 54 13)</b>		
23 54 13 00-0006 EA Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace .....	1,316.48	104.11
Note: Excludes cooling equipment.		
23 54 13 00-0007 EA >2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace .....	1,583.49	117.13
Note: Excludes cooling equipment.		
23 54 13 00-0008 EA >2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace .....	1,727.97	130.14
Note: Excludes cooling equipment.		
23 54 13 00-0009 EA >3 To 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,800.12	143.16
Note: Excludes cooling equipment.		
23 54 13 00-0010 EA >3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace .....	2,276.07	156.18
Note: Excludes cooling equipment.		
<b>23 54 13 00-0011 Heating Coil For Air Handler/Electric Furnace (23 54 13)</b>		
23 54 13 00-0012 EA 5 KW Heating Coil For Air Handler/Electric Furnace .....	206.71	24.06
23 54 13 00-0013 EA 7 KW Heating Coil For Air Handler/Electric Furnace .....	238.43	26.47
23 54 13 00-0014 EA 10 KW Heating Coil For Air Handler/Electric Furnace .....	258.11	28.87
23 54 13 00-0015 EA 15 KW Heating Coil For Air Handler/Electric Furnace .....	368.18	31.28
23 54 13 00-0016 EA 20 KW Heating Coil For Air Handler/Electric Furnace .....	397.89	33.68
<b>23 54 16 Fuel-Fired Furnaces (23 54)</b>		
<b>23 54 16 13 Gas-Fired Furnaces (23 54 16)</b>		
<b>23 54 16 13-0001 Natural Gas Fired Forced Air Furnaces (23 54 16 13)</b>		
Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
<b>23 54 16 13-0002 Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace (23 54 16 13-0001)</b>		
23 54 16 13-0003 EA 40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace .....	2,156.43	91.10
Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0004 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace .....	2,288.84	104.11
Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0005 EA 80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace .....	2,644.25	117.13
Note: Blower cooling capacity up to 4 tons.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 54 Furnaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0006 EA 100 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	3,083.87	143.16
Note: Blower cooling capacity up to 5 tons.		
23 54 16 13-0007 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	3,286.59	156.18
Note: Blower cooling capacity up to 5 tons.		
<b>23 54 16 13-0008 Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace</b> <sup>(23 54 16 13-0001)</sup>		
23 54 16 13-0009 EA 40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace .....	2,413.56	91.10
Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0010 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace .....	2,638.40	104.11
Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0011 EA 80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace .....	2,790.44	117.13
Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0012 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace .....	2,925.03	130.14
Note: Blower cooling capacity up to 3.5 tons.		
23 54 16 13-0013 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace .....	3,286.78	143.16
Note: Blower cooling capacity up to 5 tons.		
23 54 16 13-0014 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace .....	3,459.37	156.18
Note: Blower cooling capacity up to 5 tons.		
<b>23 54 16 13-0015 Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace</b> <sup>(23 54 16 13-0001)</sup>		
23 54 16 13-0016 EA 45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace .....	2,112.13	91.10
Note: Blower cooling capacity up to 4 tons.		
23 54 16 13-0017 EA 70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace .....	2,425.37	104.11
Note: Blower cooling capacity up to 4 tons.		
23 54 16 13-0018 EA 90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace .....	2,609.84	130.14
Note: Blower cooling capacity up to 4 tons.		
23 54 16 13-0019 EA 90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace .....	2,782.44	143.16
Note: Blower cooling capacity up to 5 tons.		
<b>23 54 16 13-0020 Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace</b> <sup>(23 54 16 13-0001)</sup>		
23 54 16 13-0021 EA 40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace.....	2,807.32	91.10
Note: Blower cooling capacity up to 4 tons.		
23 54 16 13-0022 EA 60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace.....	2,947.79	104.11
Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0023 EA 80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace.....	3,281.10	117.13
Note: Blower cooling capacity up to 4 tons.		
23 54 16 13-0024 EA 100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace.....	3,566.03	143.16
Note: Blower cooling capacity up to 4 tons.		
23 54 16 13-0025 EA 120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace.....	3,818.98	156.18
Note: Blower cooling capacity up to 5 tons.		
<b>23 54 16 13-0026 Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace</b> <sup>(23 54 16 13-0001)</sup>		
23 54 16 13-0027 EA 40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	1,911.31	91.10
Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0028 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,005.57	104.11
Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0029 EA 80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,236.42	117.13
Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0030 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,256.51	117.13
Note: Blower cooling capacity up to 4 tons.		
23 54 16 13-0031 EA 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,459.24	130.14
Note: Blower cooling capacity up to 5 tons.		
23 54 16 13-0032 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,585.64	143.16
Note: Blower cooling capacity up to 5 tons.		
23 54 16 13-0033 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,736.13	156.18
Note: Blower cooling capacity up to 5 tons.		
<b>23 54 16 13-0034 Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace</b> <sup>(23 54 16 13-0001)</sup>		
23 54 16 13-0035 EA 40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace.....	1,294.55	91.10
Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0036 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace.....	1,410.90	104.11
Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0037 EA 60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace.....	1,615.64	117.13
Note: Blower cooling capacity up to 4 tons.		
23 54 16 13-0038 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace.....	1,617.65	117.13
Note: Blower cooling capacity up to 4 tons.		
23 54 16 13-0039 EA 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace.....	1,774.18	130.14
Note: Blower cooling capacity up to 5 tons.		
23 54 16 13-0040 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace.....	1,810.16	143.16
Note: Blower cooling capacity up to 5 tons.		
23 54 16 13-0041 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace.....	2,014.90	156.18
Note: Blower cooling capacity up to 5 tons.		
<b>23 54 16 13-0042 Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace</b> <sup>(23 54 16 13-0001)</sup>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0043 EA 40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace.....	1,314.64	91.10
Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0044 EA 60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace.....	1,416.93	104.11
Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0045 EA 80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace.....	1,706.04	117.13
Note: Blower cooling capacity up to 4 tons.		
23 54 16 13-0046 EA 100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace.....	1,876.63	130.14
Note: Blower cooling capacity up to 5 tons.		
<b>23 54 16 13-0047 75% AFUE Gas Wall/Recessed Furnace (23 54 16 13-0001)</b>		
23 54 16 13-0048 EA 35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace.....	2,323.26	78.08
23 54 16 13-0049 EA 55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace.....	2,672.55	97.66
23 54 16 13-0050 EA 35 MBH 75% AFUE Gas Wall/Recessed Furnace.....	2,092.22	78.08
23 54 16 13-0051 EA 40 MBH 75% AFUE Gas Wall/Recessed Furnace.....	2,234.77	84.64
23 54 16 13-0052 EA 50 MBH 75% AFUE Gas Wall/Recessed Furnace.....	2,206.55	91.10
23 54 16 13-0053 EA 65 MBH 75% AFUE Gas Wall/Recessed Furnace.....	2,268.85	97.66
23 54 16 13-0054 EA 75 MBH 75% AFUE Gas Wall/Recessed Furnace.....	2,353.37	97.66
<b>23 54 16 13-0055 Gas Fired Indoor Duct Furnace (23 54 16 13-0001)</b>		
Note: Includes burner, controls and electronic ignition.		
<b>23 54 16 13-0056 Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055)</b>		
23 54 16 13-0057 EA 100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	2,620.56	203.03
23 54 16 13-0058 EA 150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	2,910.84	249.88
23 54 16 13-0059 EA 200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	3,277.84	359.20
23 54 16 13-0060 EA 250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	3,696.70	406.05
23 54 16 13-0061 EA 300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	4,310.36	468.52
23 54 16 13-0062 EA 350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	4,720.31	562.22
23 54 16 13-0063 EA 400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	5,347.35	749.64
<b>23 54 16 13-0064 Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055)</b>		
Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065 EA 100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	2,943.61	203.03
23 54 16 13-0066 EA 150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	3,229.07	249.88
23 54 16 13-0067 EA 200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	3,715.00	359.20
23 54 16 13-0068 EA 250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	4,212.61	406.05
23 54 16 13-0069 EA 300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	5,200.75	468.52
23 54 16 13-0070 EA 350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	5,686.24	562.22
23 54 16 13-0071 EA 400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	6,260.24	749.64
<b>23 54 16 16 Oil-Fired Furnaces (23 54 16)</b>		
<b>23 54 16 16-0001 Oil Fired Forced Air Furnaces (23 54 16 16)</b>		
Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
<b>23 54 16 16-0002 Up Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)</b>		
23 54 16 16-0003 EA 72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace.....	3,775.50	104.11
Note: Blower cooling capacity up to 3 tons.		
23 54 16 16-0004 EA 95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	3,975.87	143.16
Note: Blower cooling capacity up to 4 tons.		
23 54 16 16-0005 EA 126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	4,584.23	169.19
Note: Blower cooling capacity up to 5 tons.		
<b>23 54 16 16-0006 Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)</b>		
23 54 16 16-0007 EA 95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	4,349.54	143.16
Note: Blower cooling capacity up to 3 tons.		
23 54 16 16-0008 EA 126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace.....	4,357.22	169.19
Note: Blower cooling capacity up to 5 tons.		
<b>23 54 16 16-0009 Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)</b>		
23 54 16 16-0010 EA 95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace.....	3,738.80	143.16
Note: Blower cooling capacity up to 4 tons.		
23 54 16 16-0011 EA 127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace.....	4,439.59	169.19
Note: Blower cooling capacity up to 5 tons.		
<b>23 54 19 Furnace Accessories (23 54)</b>		
23 54 19 00-0001 EA LP Gas Furnace Conversion Kit.....	191.00	26.03
23 54 19 00-0002 EA 1" Furnace External Filter Rack.....	58.84	
23 54 19 00-0003 EA Removal And Reinstallation Of Forced Air Furnace.....	482.02	
Note: Includes storage and cleaning. Excludes ductwork.		

23 55 Fuel-Fired Heaters (23 50)

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 55 Fuel-Fired Heaters**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**23 55 23 Gas-Fired Radiant Heaters (23 55)**

**23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters (23 55 23)**

23 55 23 13-0001	EA	Infrared Heaters-Radiant Energy (23 55 23 13) Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002	EA	Gas Fired Electric Ignition Infrared Gas Heater (23 55 23 13-0001) Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003	EA	15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	789.31	104.75
23 55 23 13-0004	EA	37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	878.30	115.22
23 55 23 13-0005	EA	50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	935.56	115.22
23 55 23 13-0006	EA	75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,170.40	138.27
23 55 23 13-0007	EA	100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,180.05	138.27
23 55 23 13-0008	EA	Rolled Steel Or Aluminum Housing Infrared Electric Heater (23 55 23 13-0001) Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009	EA	1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	893.53 136.62	114.52
23 55 23 13-0010	EA	3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	952.38 151.33	114.52
23 55 23 13-0011	EA	5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	1,019.64 168.15	114.52
23 55 23 13-0012	EA	7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	1,100.50 188.36	114.52
23 55 23 13-0013	EA	10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	1,198.77 209.89	124.93
23 55 23 13-0014	EA	13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	1,279.31 226.04	135.35
23 55 23 13-0015	EA	24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	2,031.39 403.63	145.77
23 55 23 13-0016	EA	Gas Fired Tubular Infrared Heater (23 55 23 13-0001) Note: Per Tube Length. Includes controls and supports.		
23 55 23 13-0017	LF	"U" Package (23 55 23 13-0016)		
23 55 23 13-0018	LF	Up To 75 MBH Input Radiant Heater .....	76.12	5.24
23 55 23 13-0019	LF	76 To 105 MBH Input Radiant Heater.....	87.87	6.28
23 55 23 13-0020	LF	106 To 130 MBH Input Radiant Heater.....	107.23	7.33
23 55 23 13-0021	LF	"S" Straight Package (23 55 23 13-0016)		
23 55 23 13-0022	LF	Up To 75 MBH Input Radiant Heater .....	61.94	4.19
23 55 23 13-0023	LF	76 To 105 MBH Input Radiant Heater.....	78.70	5.24
23 55 23 13-0024	LF	106 To 130 MBH Input Radiant Heater.....	95.45	6.28

**23 55 33 Fuel-Fired Unit Heaters (23 55)**

**23 55 33 13 Oil-Fired Unit Heaters (23 55 33)**

23 55 33 13-0001	EA	Oil Fired Unit Heater (23 55 33 13)		
23 55 33 13-0002	EA	Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt (23 55 33 13-0001)		
23 55 33 13-0003	EA	97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	6,656.82	482.39
23 55 33 13-0004	EA	142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	7,143.52	530.63
23 55 33 13-0005	EA	188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	7,674.77	578.88

**23 55 33 16 Gas-Fired Unit Heaters (23 55 33)**

23 55 33 16-0001	EA	Gas Fired Unit Heaters (23 55 33 16)		
23 55 33 16-0002	EA	Horizontal Fan Propelled Gas Fired Unit Heaters, 115 Volt (23 55 33 16-0001)		
23 55 33 16-0003	EA	24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,877.30	180.90
23 55 33 16-0004	EA	36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,840.05	217.08
23 55 33 16-0005	EA	48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,867.60	217.08
23 55 33 16-0006	EA	60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,043.63	253.26
23 55 33 16-0007	EA	72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,250.49	289.44
23 55 33 16-0008	EA	81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,414.56	307.53
23 55 33 16-0009	EA	101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,484.04	307.53
23 55 33 16-0010	EA	121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,424.50	307.53
23 55 33 16-0011	EA	141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,874.18	325.62
23 55 33 16-0012	EA	162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,145.44	325.62
23 55 33 16-0013	EA	202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,370.38	325.62
23 55 33 16-0014	EA	243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,022.88	361.80
23 55 33 16-0015	EA	283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,532.32	361.80
23 55 33 16-0016	EA	324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,864.84	397.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 55 33 16-0017</b> <b>Removal And Reinstallation Of Unit Heaters</b> <sup>(23 55 33 16)</sup> Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 55 33 16-0018    EA    Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater.....	602.28	
23 55 33 16-0019    EA    Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater .....	811.77	
 <b>23 57    Heat Exchangers for HVAC</b> <sup>(23 50)</sup>		
<b>23 57 13    Steam-To-Steam Heat Exchangers</b> <sup>(23 57)</sup>		
<b>23 57 13 00-0001    Steam Generator Heat Exchanger</b> <sup>(23 57 13)</sup> Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.		
23 57 13 00-0002    EA    75 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	20,846.54	1,675.91
23 57 13 00-0003    EA    300 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	28,260.97	1,780.65
23 57 13 00-0004    EA    525 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	38,181.16	2,225.87
 <b>23 57 16    Steam-To-Water Heat Exchangers</b> <sup>(23 57)</sup>		
<b>23 57 16 00-0001    Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI</b> <sup>(23 57 16)</sup> Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.		
23 57 16 00-0002    EA    8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,432.25	261.86
For Bronze Head And Tube Sheet, Add	937.40	
For Copper Nickel Tubes, Add	208.31	
For Double Wall Tube Bundles, Add	312.47	
23 57 16 00-0003    EA    10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,573.38	261.86
For Bronze Head And Tube Sheet, Add	1,419.48	
For Copper Nickel Tubes, Add	315.44	
For Double Wall Tube Bundles, Add	473.16	
23 57 16 00-0004    EA    40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	5,404.11	366.61
For Bronze Head And Tube Sheet, Add	2,196.18	
For Copper Nickel Tubes, Add	488.04	
For Double Wall Tube Bundles, Add	732.06	
23 57 16 00-0005    EA    64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	8,487.06	366.61
For Bronze Head And Tube Sheet, Add	3,347.83	
For Copper Nickel Tubes, Add	743.96	
For Double Wall Tube Bundles, Add	1,115.94	
23 57 16 00-0006    EA    96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	11,189.12	431.55
For Bronze Head And Tube Sheet, Add	4,445.92	
For Copper Nickel Tubes, Add	987.98	
For Double Wall Tube Bundles, Add	1,481.97	
23 57 16 00-0007    EA    120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	14,726.73	551.81
For Bronze Head And Tube Sheet, Add	5,838.62	
For Copper Nickel Tubes, Add	1,297.47	
For Double Wall Tube Bundles, Add	1,946.21	
23 57 16 00-0008    EA    168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	18,168.67	828.23
For Bronze Head And Tube Sheet, Add	7,150.97	
For Copper Nickel Tubes, Add	1,589.10	
For Double Wall Tube Bundles, Add	2,383.66	
23 57 16 00-0009    EA    240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	27,606.11	828.23
For Bronze Head And Tube Sheet, Add	11,141.58	
For Copper Nickel Tubes, Add	2,475.91	
For Double Wall Tube Bundles, Add	3,713.86	
 <b>23 57 19    Liquid-To-Liquid Heat Exchangers</b> <sup>(23 57)</sup>		
<b>23 57 19 13    Plate-Type, Liquid-To-Liquid Heat Exchangers</b> <sup>(23 57 19)</sup>		
<b>23 57 19 13-0001    Plate And Frame Heat Exchanger</b> <sup>(23 57 19 13)</sup>		
23 57 19 13-0002    EA    8" W x 18-7/8"H Plate And Frame Heat Exchanger.....	3,839.52	261.86
23 57 19 13-0003    EA    8" W x 24-9/16"H Plate And Frame Heat Exchanger.....	5,133.49	261.86
23 57 19 13-0004    EA    11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger.....	6,855.64	314.24
23 57 19 13-0005    EA    16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger.....	9,334.28	340.42
23 57 19 13-0006    EA    16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger.....	10,223.89	340.42
23 57 19 13-0007    EA    24" W x 57-11/16"H Plate And Frame Heat Exchanger.....	13,349.49	366.61
23 57 19 13-0008    EA    26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger.....	14,077.35	366.61
23 57 19 13-0009    EA    24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger.....	17,416.94	418.98
23 57 19 13-0010    EA    24" W x 69-11/16"H Plate And Frame Heat Exchanger.....	21,322.64	471.34
23 57 19 13-0011    EA    26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger.....	22,131.37	471.34
23 57 19 13-0012    EA    24" W x 89-13/16"H Plate And Frame Heat Exchanger.....	27,422.57	559.05
23 57 19 13-0013    EA    26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger.....	33,116.54	614.85
23 57 19 13-0014    EA    40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger.....	38,244.27	670.66
 <b>23 57 19 19    Copper Tube, Water-To-Water Heat Exchanger</b> <sup>(23 57 19)</sup>		
<b>23 57 19 19-0001    Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F</b> <sup>(23 57 19 19)</sup> Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.		
23 57 19 19-0002    EA    7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,908.38	261.86
For Copper Nickel Tubes, Add	255.92	
For Double Wall Tube Bundles, Add	383.88	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 57 Heat Exchangers for HVAC**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 19 19-0003	EA		16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube ..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	4,049.52 363.05 544.58	261.86
23 57 19 19-0004	EA		34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube ..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	6,058.80 553.51 830.26	366.61
23 57 19 19-0005	EA		55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube ..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	8,673.57 797.53 1,196.29	366.61
23 57 19 19-0006	EA		74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube ..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	10,731.11 982.03 1,473.05	418.98
23 57 19 19-0007	EA		86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube ..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	14,315.34 1,321.28 1,981.92	418.98
23 57 19 19-0008	EA		112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube ..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	17,766.48 1,642.67 2,464.00	414.11
23 57 19 19-0009	EA		126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube ..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	22,100.73 2,047.39 3,071.08	414.11
23 57 19 19-0010	EA		152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube ..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	28,258.05 2,618.75 3,928.12	414.11

**23 57 19 23 Refrigerant-To-Water Heat Exchanger (23 57 19)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 19 23-0001	EA		Heat Exchanger Refrigerant To Water (23 57 19 23)		
23 57 19 23-0002	EA		10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube ..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	3,283.76 286.48 429.72	209.49
23 57 19 23-0003	EA		53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube ..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	8,800.38 810.21 1,215.31	349.12
23 57 19 23-0004	EA		70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube ..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	11,862.16 1,095.29 1,642.94	455.43
23 57 19 23-0005	EA		87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube ..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	12,709.58 1,160.93 1,741.40	551.26
23 57 19 23-0006	EA		105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube ..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	15,343.64 1,400.70 2,101.05	657.72

**23 60 Central Cooling Equipment (23)**

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

**23 61 Refrigerant Compressors (23 60)**

**23 61 16 Reciprocating Refrigerant Compressors (23 61)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0001	EA		Reciprocating Open Type Refrigerant Compressors (23 61 16) Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.		
23 61 16 00-0002	EA		1/4 Ton Refrigerant Compressor, Reciprocating Open Type .....	583.91	99.30
23 61 16 00-0003	EA		1/3 Ton Refrigerant Compressor, Reciprocating Open Type .....	690.19	99.30
23 61 16 00-0004	EA		1/2 Ton Refrigerant Compressor, Reciprocating Open Type .....	934.70	124.09
23 61 16 00-0005	EA		3/4 Ton Refrigerant Compressor, Reciprocating Open Type .....	1,153.92	124.09
23 61 16 00-0006	EA		1 Ton Refrigerant Compressor, Reciprocating Open Type .....	1,286.78	124.09
23 61 16 00-0007	EA		1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type .....	1,304.45	129.10
23 61 16 00-0008	EA		1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type .....	1,312.20	129.10
23 61 16 00-0009	EA		1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type .....	1,440.57	139.03
23 61 16 00-0010	EA		2 Ton Refrigerant Compressor, Reciprocating Open Type .....	1,549.01	148.96
23 61 16 00-0011	EA		2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type .....	1,688.43	158.89
23 61 16 00-0012	EA		3 Ton Refrigerant Compressor, Reciprocating Open Type .....	1,916.50	158.89
23 61 16 00-0013	EA		3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type .....	2,148.93	168.82
23 61 16 00-0014	EA		4 Ton Refrigerant Compressor, Reciprocating Open Type .....	2,195.38	178.75
23 61 16 00-0015	EA		4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type .....	2,231.86	183.67
23 61 16 00-0016	EA		5 Ton Refrigerant Compressor, Reciprocating Open Type .....	3,381.21	961.51
23 61 16 00-0017	EA		7.5 Ton Refrigerant Compressor, Reciprocating Open Type .....	5,063.22	1,098.82
23 61 16 00-0018	EA		10 Ton Refrigerant Compressor, Reciprocating Open Type .....	6,745.36	1,236.22
23 61 16 00-0019	EA		12.5 Ton Refrigerant Compressor, Reciprocating Open Type .....	8,883.91	1,339.15
23 61 16 00-0020	EA		15 Ton Refrigerant Compressor, Reciprocating Open Type .....	11,022.76	1,442.26
23 61 16 00-0021	EA		20 Ton Refrigerant Compressor, Reciprocating Open Type .....	13,227.31	1,730.71
23 61 16 00-0022	EA		25 Ton Refrigerant Compressor, Reciprocating Open Type .....	15,895.07	1,860.18
23 61 16 00-0023	EA		30 Ton Refrigerant Compressor, Reciprocating Open Type .....	18,453.13	1,966.73
23 61 16 00-0024	EA		50 Ton Refrigerant Compressor, Reciprocating Open Type .....	24,146.04	2,218.89
23 61 16 00-0025	EA		60 Ton Refrigerant Compressor, Reciprocating Open Type .....	28,440.88	2,277.08
23 61 16 00-0026	EA		70 Ton Refrigerant Compressor, Reciprocating Open Type .....	35,539.98	2,335.18
23 61 16 00-0027	EA		75 Ton Refrigerant Compressor, Reciprocating Open Type .....	37,315.95	2,364.32
23 61 16 00-0028	EA		80 Ton Refrigerant Compressor, Reciprocating Open Type .....	39,017.66	2,393.37





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0029 EA 90 Ton Refrigerant Compressor, Reciprocating Open Type.....	42,203.14	2,451.47
23 61 16 00-0030 EA 100 Ton Refrigerant Compressor, Reciprocating Open Type.....	45,096.07	2,509.75
23 61 16 00-0031 EA 110 Ton Refrigerant Compressor, Reciprocating Open Type.....	48,324.06	2,854.79
23 61 16 00-0032 EA 120 Ton Refrigerant Compressor, Reciprocating Open Type.....	50,633.60	2,918.69
23 61 16 00-0033 EA 130 Ton Refrigerant Compressor, Reciprocating Open Type.....	52,610.80	2,955.84
23 61 16 00-0034 EA 140 Ton Refrigerant Compressor, Reciprocating Open Type.....	54,375.30	3,047.29
23 61 16 00-0035 EA 150 Ton Refrigerant Compressor, Reciprocating Open Type.....	55,804.69	3,111.17
23 61 16 00-0036 EA 175 Ton Refrigerant Compressor, Reciprocating Open Type.....	57,265.40	3,196.43
23 61 16 00-0037 EA 185 Ton Refrigerant Compressor, Reciprocating Open Type.....	58,648.86	3,230.80
23 61 16 00-0038 EA 200 Ton Refrigerant Compressor, Reciprocating Open Type.....	60,062.04	3,284.26
23 61 16 00-0039 EA 225 Ton Refrigerant Compressor, Reciprocating Open Type.....	61,739.57	3,505.76
23 61 16 00-0040 EA 250 Ton Refrigerant Compressor, Reciprocating Open Type.....	63,364.29	3,694.75
<b>23 61 16 00-0041</b>	<b>Reciprocating Hermetic Type Refrigerant Compressors <sup>(23 61 16)</sup></b>	
	Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.	
<b>23 61 16 00-0042</b>	<b>Reciprocating Hermetic Type Refrigerant Compressors &lt;5 Tons <sup>(23 61 16 00-0041)</sup></b>	
23 61 16 00-0043 EA 1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,025.36	99.30
23 61 16 00-0044 EA 1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,060.55	99.30
23 61 16 00-0045 EA 1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,145.38	124.09
23 61 16 00-0046 EA 3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,180.55	124.09
23 61 16 00-0047 EA 1 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,198.14	124.09
23 61 16 00-0048 EA 1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,236.21	129.10
23 61 16 00-0049 EA 1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,274.91	129.10
23 61 16 00-0050 EA 1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,368.65	139.03
23 61 16 00-0051 EA 2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,458.89	148.96
23 61 16 00-0052 EA 2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,584.27	158.89
23 61 16 00-0053 EA 3 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,654.64	158.89
23 61 16 00-0054 EA 3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,780.03	168.82
23 61 16 00-0055 EA 4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	2,116.53	178.75
23 61 16 00-0056 EA 4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	2,319.94	183.67
<b>23 61 16 00-0057</b>	<b>Reciprocating Hermetic Type Refrigerant Compressors <sup>(23 61 16 00-0041)</sup></b>	
23 61 16 00-0058 EA 5 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	2,899.68	494.49
23 61 16 00-0059 EA 10 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	5,550.68	618.11
23 61 16 00-0060 EA 15 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	9,297.41	752.50
23 61 16 00-0061 EA 20 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	11,852.96	865.35
23 61 16 00-0062 EA 25 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	13,089.85	961.51
23 61 16 00-0063 EA 30 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	14,511.21	1,081.70
23 61 16 00-0064 EA 35 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	18,785.83	1,236.22
23 61 16 00-0065 EA 40 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	24,197.73	1,236.22
23 61 16 00-0066 EA 50 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	29,895.17	1,442.26
23 61 16 00-0067 EA 60 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	33,664.68	1,545.28
23 61 16 00-0068 EA 70 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	35,570.88	1,619.43
23 61 16 00-0069 EA 75 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	36,564.43	1,699.44
23 61 16 00-0070 EA 80 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	37,606.81	1,706.02
23 61 16 00-0071 EA 90 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	39,504.03	1,786.31
23 61 16 00-0072 EA 100 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	41,421.06	1,860.18
<b>23 61 19</b>	<b>Scroll Refrigerant Compressors <sup>(23 61)</sup></b>	
<b>23 61 19 00-0001</b>	<b>Scroll Refrigerant Compressors <sup>(23 61 19)</sup></b>	
23 61 19 00-0002 EA Up To 3 Ton Scroll Refrigerant Compressor.....	1,238.12	158.71
23 61 19 00-0003 EA 3.5 Ton Scroll Refrigerant Compressor.....	1,298.40	168.92
23 61 19 00-0004 EA 4 Ton Scroll Refrigerant Compressor.....	1,330.64	178.66
23 61 19 00-0005 EA 4.5 Ton Scroll Refrigerant Compressor.....	1,356.78	183.77
23 61 19 00-0006 EA 5 Ton Scroll Refrigerant Compressor.....	1,681.30	232.02
23 61 19 00-0007 EA 7.5 Ton Scroll Refrigerant Compressor.....	3,193.85	348.04
23 61 19 00-0008 EA 8.75 Ton Scroll Refrigerant Compressor.....	3,654.93	406.04
23 61 19 00-0009 EA 10 Ton Scroll Refrigerant Compressor.....	4,095.69	464.05
23 61 19 00-0010 EA 12 Ton Scroll Refrigerant Compressor.....	4,949.50	556.86
23 61 19 00-0011 EA 13.5 Ton Scroll Refrigerant Compressor.....	5,833.48	626.46
23 61 19 00-0012 EA 15 Ton Scroll Refrigerant Compressor.....	6,839.07	696.08
23 61 19 00-0013 EA 20 Ton Scroll Refrigerant Compressor.....	9,634.24	928.10
23 61 19 00-0014 EA 25 Ton Scroll Refrigerant Compressor.....	10,870.73	1,160.11
23 61 19 00-0015 EA 30 Ton Scroll Refrigerant Compressor.....	11,635.43	1,392.14
<b>23 61 23</b>	<b>Rotary-Screw Refrigerant Compressors <sup>(23 61)</sup></b>	
<b>23 61 23 00-0001</b>	<b>Rotary Screw Type Refrigerant Compressors <sup>(23 61 23)</sup></b>	
23 61 23 00-0002 EA 75 Ton Refrigerant Compressor, Rotary Screw Type.....	42,686.27	2,364.32
23 61 23 00-0003 EA 80 Ton Refrigerant Compressor, Rotary Screw Type.....	43,991.91	2,393.37
23 61 23 00-0004 EA 90 Ton Refrigerant Compressor, Rotary Screw Type.....	46,823.21	2,451.47
23 61 23 00-0005 EA 100 Ton Refrigerant Compressor, Rotary Screw Type.....	49,624.44	2,509.75
23 61 23 00-0006 EA 110 Ton Refrigerant Compressor, Rotary Screw Type.....	53,534.02	2,854.79
23 61 23 00-0007 EA 120 Ton Refrigerant Compressor, Rotary Screw Type.....	56,819.19	2,918.69
23 61 23 00-0008 EA 130 Ton Refrigerant Compressor, Rotary Screw Type.....	60,034.93	2,955.84

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 60 Central Cooling Equipment****23 61 Refrigerant Compressors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61	23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type .....	63,358.99	3,047.29
23 61	23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type .....	66,646.85	3,111.17
23 61	23 00-0011	EA	170 Ton Refrigerant Compressor, Rotary Screw Type .....	71,273.21	3,196.43
23 61	23 00-0012	EA	185 Ton Refrigerant Compressor, Rotary Screw Type .....	74,511.23	3,230.80
23 61	23 00-0013	EA	200 Ton Refrigerant Compressor, Rotary Screw Type .....	76,015.71	3,284.26
23 61	23 00-0014	EA	215 Ton Refrigerant Compressor, Rotary Screw Type .....	85,348.17	3,505.76
23 61	23 00-0015	EA	225 Ton Refrigerant Compressor, Rotary Screw Type .....	94,559.45	3,694.75

**23 62 Packaged Compressor and Condenser Units (23 60)****23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units (23 62)****23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors (23 62 13)**

Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62	13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	6,759.06	857.56
23 62	13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	15,092.47	918.81
23 62	13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	26,570.07	980.06
23 62	13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	31,486.94	1,041.33
23 62	13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	37,368.64	1,102.58
23 62	13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	41,413.49	1,225.08
23 62	13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	42,601.50	1,372.40
23 62	13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	45,918.42	1,634.60
23 62	13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	48,994.05	1,770.81
23 62	13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	56,163.11	1,907.03
23 62	13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	63,499.80	2,111.36
23 62	13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	67,118.80	2,195.89
23 62	13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	75,793.25	2,333.14
23 62	13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	82,850.96	2,470.38

**23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type (23 62 13)**

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62	13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	6,447.48	857.56
23 62	13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	13,319.06	918.81
23 62	13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	20,832.83	980.06
23 62	13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	22,502.14	1,041.33
23 62	13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	24,171.45	1,102.58
23 62	13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	28,656.59	1,225.08
23 62	13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	32,462.72	1,372.40
23 62	13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	41,745.71	1,634.60
23 62	13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	46,824.90	1,770.81
23 62	13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	50,694.47	1,907.03
23 62	13 00-0027	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	58,288.41	2,111.36
23 62	13 00-0028	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	61,742.11	2,195.89
23 62	13 00-0029	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	67,734.94	2,333.14
23 62	13 00-0030	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	77,258.54	2,470.38

**23 62 13 00-0031 Packaged Chiller With Remote Air Cooled Condenser (23 62 13)**

Note: With remote air cooled condenser rated by cooling capacity, Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62	13 00-0032	EA	15 Ton Packaged Chiller With Remote Air Cooled Condensers .....	34,972.49	7,942.06
			<i>For Gas Fired Engine Driven, Add</i>	5,803.79	
23 62	13 00-0033	EA	20 Ton Packaged Chiller With Remote Air Cooled Condensers .....	39,293.22	8,371.34
			<i>For Gas Fired Engine Driven, Add</i>	6,603.58	
23 62	13 00-0034	EA	25 Ton Packaged Chiller With Remote Air Cooled Condensers .....	45,414.85	9,109.90
			<i>For Gas Fired Engine Driven, Add</i>	7,717.16	
23 62	13 00-0035	EA	30 Ton Packaged Chiller With Remote Air Cooled Condensers .....	50,614.14	9,679.33
			<i>For Gas Fired Engine Driven, Add</i>	8,671.66	
23 62	13 00-0036	EA	40 Ton Packaged Chiller With Remote Air Cooled Condensers .....	62,812.36	10,680.63
			<i>For Gas Fired Engine Driven, Add</i>	10,961.18	
23 62	13 00-0037	EA	50 Ton Packaged Chiller With Remote Air Cooled Condensers .....	69,067.04	11,062.04
			<i>For Gas Fired Engine Driven, Add</i>	12,154.93	
23 62	13 00-0038	EA	60 Ton Packaged Chiller With Remote Air Cooled Condensers .....	75,022.73	11,912.98
			<i>For Gas Fired Engine Driven, Add</i>	13,218.49	
23 62	13 00-0039	EA	70 Ton Packaged Chiller With Remote Air Cooled Condensers .....	90,718.09	12,746.48
			<i>For Gas Fired Engine Driven, Add</i>	16,208.72	
23 62	13 00-0040	EA	75 Ton Packaged Chiller With Remote Air Cooled Condensers .....	91,783.22	13,003.00
			<i>For Gas Fired Engine Driven, Add</i>	16,407.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 13 00-0041 EA 80 Ton Packaged Chiller With Remote Air Cooled Condensers ..... <i>For Gas Fired Engine Driven, Add</i>	93,550.10 16,675.78	13,568.39
23 62 13 00-0042 EA 90 Ton Packaged Chiller With Remote Air Cooled Condensers ..... <i>For Gas Fired Engine Driven, Add</i>	103,537.49 18,580.79	14,185.16
23 62 13 00-0043 EA 100 Ton Packaged Chiller With Remote Air Cooled Condensers ..... <i>For Gas Fired Engine Driven, Add</i>	114,300.10 20,632.04	14,860.67
23 62 13 00-0044 EA 110 Ton Packaged Chiller With Remote Air Cooled Condensers ..... <i>For Gas Fired Engine Driven, Add</i>	126,463.94 22,953.41	15,603.65
23 62 13 00-0045 EA 120 Ton Packaged Chiller With Remote Air Cooled Condensers ..... <i>For Gas Fired Engine Driven, Add</i>	136,609.38 24,859.37	16,424.93
23 62 13 00-0046 EA 140 Ton Packaged Chiller With Remote Air Cooled Condensers ..... <i>For Gas Fired Engine Driven, Add</i>	150,513.00 27,503.29	17,337.39

**23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units (23 62)**

**23 62 23 00-0001 Water Cooled Condensing Units (23 62 23)**

Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.

23 62 23 00-0002 EA 5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	7,743.49	670.53
23 62 23 00-0003 EA 10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	11,753.21	979.26
23 62 23 00-0004 EA 15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	13,470.35	1,061.28
23 62 23 00-0005 EA 20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	16,713.29	1,273.53
23 62 23 00-0006 EA 30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	18,026.51	1,498.33
23 62 23 00-0007 EA 60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	38,461.04	2,253.87
23 62 23 00-0008 EA 80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	47,749.43	2,720.22
23 62 23 00-0009 EA 120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	66,200.85	2,976.34

**23 63 Refrigerant Condensers (23 60)**

**23 63 13 Air-Cooled Refrigerant Condensers (23 63)**

**23 63 13 00-0001 Air Cooled Condensing Units (23 63 13)**

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.

23 63 13 00-0002 EA 6 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	4,929.24	670.53
<i>For &gt;10 To 25, Deduct</i>	-117.41	
<i>For &gt;25 To 50, Deduct</i>	-195.68	
<i>For &gt;50, Deduct</i>	-313.09	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	762.67	
<i>For Winter Start Control, Add</i>	258.10	
23 63 13 00-0003 EA 7.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	5,902.38	795.96
<i>For &gt;10 To 25, Deduct</i>	-140.89	
<i>For &gt;25 To 50, Deduct</i>	-234.82	
<i>For &gt;50, Deduct</i>	-375.71	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	677.21	
<i>For Winter Start Control, Add</i>	214.53	
23 63 13 00-0004 EA 10 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	7,662.10	979.26
<i>For &gt;10 To 25, Deduct</i>	-185.33	
<i>For &gt;25 To 50, Deduct</i>	-308.89	
<i>For &gt;50, Deduct</i>	-494.22	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	803.52	
<i>For Winter Start Control, Add</i>	271.99	
23 63 13 00-0005 EA 12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	9,439.28	1,018.83
<i>For &gt;10 To 25, Deduct</i>	-236.87	
<i>For &gt;25 To 50, Deduct</i>	-394.78	
<i>For &gt;50, Deduct</i>	-631.65	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	938.61	
<i>For Winter Start Control, Add</i>	312.28	
23 63 13 00-0006 EA 15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	11,221.41	1,061.28
<i>For &gt;10 To 25, Deduct</i>	-288.40	
<i>For &gt;25 To 50, Deduct</i>	-480.67	
<i>For &gt;50, Deduct</i>	-769.07	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	978.80	
<i>For Winter Start Control, Add</i>	256.93	
23 63 13 00-0007 EA 20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	14,442.80	1,273.53
<i>For &gt;10 To 25, Deduct</i>	-375.40	
<i>For &gt;25 To 50, Deduct</i>	-625.66	
<i>For &gt;50, Deduct</i>	-1,001.06	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,233.19	
<i>For Winter Start Control, Add</i>	318.09	
23 63 13 00-0008 EA 25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	16,415.27	1,370.01
<i>For &gt;10 To 25, Deduct</i>	-430.24	
<i>For &gt;25 To 50, Deduct</i>	-717.07	
<i>For &gt;50, Deduct</i>	-1,147.31	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,307.26	
<i>For Winter Start Control, Add</i>	350.81	
23 63 13 00-0009 EA 30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	18,810.33	1,495.43
<i>For &gt;10 To 25, Deduct</i>	-496.43	
<i>For &gt;25 To 50, Deduct</i>	-827.38	
<i>For &gt;50, Deduct</i>	-1,323.81	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,393.05	
<i>For Winter Start Control, Add</i>	391.74	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 60 Central Cooling Equipment****23 63 Refrigerant Condensers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0010 EA 40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	25,852.91	1,792.85
For >10 To 25, Deduct	-692.64	
For >25 To 50, Deduct	-1,154.40	
For >50, Deduct	-1,847.04	
For Low Ambient Protection, 0 Degree F, Add	1,845.64	
For Winter Start Control, Add	507.37	
23 63 13 00-0011 EA 50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	31,410.00	2,253.87
For >10 To 25, Deduct	-838.02	
For >25 To 50, Deduct	-1,396.70	
For >50, Deduct	-2,234.73	
For Low Ambient Protection, 0 Degree F, Add	1,986.35	
For Winter Start Control, Add	487.26	
23 63 13 00-0012 EA 60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	36,149.63	2,487.58
For >10 To 25, Deduct	-972.44	
For >25 To 50, Deduct	-1,620.73	
For >50, Deduct	-2,593.16	
For Low Ambient Protection, 0 Degree F, Add	2,230.35	
For Winter Start Control, Add	535.58	
23 63 13 00-0013 EA 80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	46,746.29	2,720.22
For >10 To 25, Deduct	-1,276.54	
For >25 To 50, Deduct	-2,127.56	
For >50, Deduct	-3,404.10	
For Low Ambient Protection, 0 Degree F, Add	2,750.82	
For Winter Start Control, Add	632.27	
23 63 13 00-0014 EA 100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	64,400.05	2,449.26
For >10 To 25, Deduct	-1,782.42	
For >25 To 50, Deduct	-2,970.70	
For >50, Deduct	-4,753.13	
For Low Ambient Protection, 0 Degree F, Add	3,028.92	
For Winter Start Control, Add	795.67	
23 63 13 00-0015 EA 120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	79,225.58	2,532.29
For >10 To 25, Deduct	-2,222.12	
For >25 To 50, Deduct	-3,703.53	
For >50, Deduct	-5,925.65	
For Low Ambient Protection, 0 Degree F, Add	3,510.87	

**23 63 13 00-0016 Air Cooled Condensing Units <sup>(23 63 13)</sup>**

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping and power wiring.

23 63 13 00-0017 EA 1.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	1,966.98	338.42
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-43.78	
For >25 To 50, Deduct	-72.97	
For >50, Deduct	-116.75	
For 15 SEER, Add	350.24	
For 16 SEER, Add	598.33	
For 18 SEER, Add	1,255.04	
23 63 13 00-0018 EA 2 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,116.35	376.20
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-46.57	
For >25 To 50, Deduct	-77.62	
For >50, Deduct	-124.19	
For 15 SEER, Add	372.56	
For 16 SEER, Add	636.46	
For 18 SEER, Add	1,335.00	
23 63 13 00-0019 EA 2.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,246.83	413.83
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-48.79	
For >25 To 50, Deduct	-81.32	
For >50, Deduct	-130.11	
For 15 SEER, Add	390.34	
For 16 SEER, Add	666.82	
For 18 SEER, Add	1,398.70	
23 63 13 00-0020 EA 3 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,579.03	451.22
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-57.07	
For >25 To 50, Deduct	-95.11	
For >50, Deduct	-152.18	
For 15 SEER, Add	456.53	
For 16 SEER, Add	779.90	
For 18 SEER, Add	1,635.89	
23 63 13 00-0021 EA 3.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,731.56	489.07
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-59.95	
For >25 To 50, Deduct	-99.92	
For >50, Deduct	-159.87	
For 15 SEER, Add	479.60	
For 16 SEER, Add	819.32	
For 18 SEER, Add	1,718.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0022 EA 4 Ton, 14 SEER, Air Cooled Condensing Unit.....	3,043.28	526.69
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-67.61	
For >25 To 50, Deduct	-112.68	
For >50, Deduct	-180.29	
For 15 SEER, Add	540.87	
For 16 SEER, Add	923.99	
For 18 SEER, Add	1,938.13	
23 63 13 00-0023 EA 5 Ton, 14 SEER, Air Cooled Condensing Unit.....	3,432.92	564.02
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-77.61	
For >25 To 50, Deduct	-129.34	
For >50, Deduct	-206.95	
For 15 SEER, Add	620.85	
For 16 SEER, Add	1,060.62	
For 18 SEER, Add	2,224.72	

**23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit (23 63 13)**

Note: Includes storage and cleaning.		
23 63 13 00-0025 EA Removal And Reinstallation Of Up To 5 Tons Air Cooled Condensing Unit .....	347.05	
23 63 13 00-0026 EA Removal And Reinstallation Of 7.5 To 15 Tons Air Cooled Condensing Unit.....	1,301.45	
23 63 13 00-0027 EA Removal And Reinstallation Of 20 To 40 Tons Air Cooled Condensing Unit.....	2,026.88	

**23 63 23 Water-Cooled Refrigerant Condensers (23 63)**

**23 63 23 00-0001 Water Cooled Condensers (23 63 23)**

Note: Steel shell and copper tube type. Includes equipment rigging.		
23 63 23 00-0002 EA 15 Ton Water Cooled Condenser, Shell And Tube Type.....	9,784.79	364.75
For Saddle Legs, Add	733.94	
23 63 23 00-0003 EA 20 Ton Water Cooled Condenser, Shell And Tube Type.....	12,718.99	490.04
For Saddle Legs, Add	952.13	
23 63 23 00-0004 EA 25 Ton Water Cooled Condenser, Shell And Tube Type.....	16,647.27	612.54
For Saddle Legs, Add	1,249.67	
For Dual Compressor, Add	785.96	
23 63 23 00-0005 EA 30 Ton Water Cooled Condenser, Shell And Tube Type.....	17,463.53	745.26
For Saddle Legs, Add	1,298.53	
For Dual Compressor, Add	816.68	
23 63 23 00-0006 EA 40 Ton Water Cooled Condenser, Shell And Tube Type.....	20,854.70	953.16
For Saddle Legs, Add	1,543.17	
For Dual Compressor, Add	970.55	
23 63 23 00-0007 EA 50 Ton Water Cooled Condenser, Shell And Tube Type.....	23,825.32	1,071.95
For Saddle Legs, Add	1,764.99	
For Dual Compressor, Add	1,110.06	
23 63 23 00-0008 EA 60 Ton Water Cooled Condenser, Shell And Tube Type.....	29,002.03	1,225.08
For Saddle Legs, Add	2,158.09	
For Dual Compressor, Add	1,357.29	
23 63 23 00-0009 EA 75 Ton Water Cooled Condenser, Shell And Tube Type.....	35,812.59	1,429.26
For Saddle Legs, Add	2,674.94	
For Dual Compressor, Add	1,682.35	
23 63 23 00-0010 EA 100 Ton Water Cooled Condenser, Shell And Tube Type.....	39,327.95	1,844.13
For Saddle Legs, Add	2,904.52	
For Dual Compressor, Add	1,826.74	
23 63 23 00-0011 EA 150 Ton Water Cooled Condenser, Shell And Tube Type.....	56,925.65	2,198.65
For Saddle Legs, Add	4,260.73	
For Dual Compressor, Add	2,679.70	

**23 64 Packaged Water Chillers (23 60)**

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

**23 64 13 Absorption Water Chillers (23 64)**

**23 64 13 16 Indirect-Fired Absorption Water Chillers (23 64 13)**

**23 64 13 16-0001 Packaged, Steam Driven, Water Cooled Absorption Chillers (23 64 13 16)**

Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.		
23 64 13 16-0002 EA 50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	193,778.32	10,835.42
For Two Stage Unit, Add	126,976.48	
23 64 13 16-0003 EA 100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	244,723.45	12,476.69
For Two Stage Unit, Add	161,325.07	
23 64 13 16-0004 EA 150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	310,313.86	13,412.44
For Two Stage Unit, Add	206,489.75	
23 64 13 16-0005 EA 200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	344,695.56	14,348.19
For Two Stage Unit, Add	229,808.34	
23 64 13 16-0006 EA 250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	384,973.07	14,764.08
For Two Stage Unit, Add	257,669.89	
23 64 13 16-0007 EA 300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	433,694.42	15,283.94
For Two Stage Unit, Add	291,358.94	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 60 Central Cooling Equipment**

**23 64 Packaged Water Chillers**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 13 16-0008 EA 350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	465,077.01 312,910.86	15,803.80
23 64 13 16-0009 EA 400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	553,434.44 374,095.64	16,635.58
23 64 13 16-0010 EA 500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	619,494.58 419,921.85	17,155.44
23 64 13 16-0011 EA 650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	750,575.13 511,262.34	17,675.30
23 64 13 16-0012 EA 750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	813,756.16 554,490.94	18,922.97
23 64 13 16-0013 EA 850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	872,394.59 594,622.88	20,066.67
23 64 13 16-0014 EA 950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	935,744.47 637,902.13	21,398.76
23 64 13 16-0015 EA 1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	1,071,268.23 732,309.46	21,920.67
23 64 13 16-0016 EA 1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	1,173,367.00 802,818.28	23,173.29
23 64 13 16-0017 EA 1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	1,370,515.94 939,987.45	24,217.13
23 64 13 16-0018 EA 1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	1,602,149.53 1,101,546.43	24,947.82

**23 64 16 Centrifugal Water Chillers (23 64)**

**23 64 16 13 Air-Cooled Centrifugal Water Chillers (23 64 16)**

**23 64 16 13-0001 Magnetic Bearing, Air Cooled Centrifugal Chillers (23 64 16 13)**

Note: SMART air cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, lowest ARI IPLV in industry. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface.

23 64 16 13-0002 EA 85 Ton, Single Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i>	229,459.80 6,398.10	5,757.22
23 64 16 13-0003 EA 175 Ton, Two Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller..... <i>For 5 Year Parts Only Compressor Warranty, Add</i>	325,740.60 12,796.20	7,724.63
23 64 16 13-0004 EA 240 Ton, Three Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i>	407,541.86 19,194.30	8,169.42

**23 64 16 16 Water-Cooled Centrifugal Water Chillers (23 64 16)**

**23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers (23 64 16 16)**

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 16 16-0002 EA 180 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	147,958.31 5,537.17	5,932.14
23 64 16 16-0003 EA 200 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	161,772.70 6,079.97	6,082.38
23 64 16 16-0004 EA 225 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	178,471.62 6,738.11	6,236.99
23 64 16 16-0005 EA 250 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	194,761.23 7,373.63	6,487.04
23 64 16 16-0006 EA 275 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	210,671.94 7,986.52	6,853.33
23 64 16 16-0007 EA 300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	226,000.76 8,576.79	7,209.65
23 64 16 16-0008 EA 325 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	240,824.94 9,144.35	7,604.96
23 64 16 16-0009 EA 350 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	255,052.58 9,689.36	7,979.98
23 64 16 16-0010 EA 375 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	268,659.75 10,211.68	8,321.95
23 64 16 16-0011 EA 400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	281,585.64 10,711.36	8,591.97
23 64 16 16-0012 EA 425 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	294,195.74 11,188.42	9,017.63
23 64 16 16-0013 EA 450 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	306,115.40 11,642.85	9,365.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0014 EA 475 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	317,462.07 12,074.65	9,708.94
23 64 16 16-0015 EA 500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	328,118.70 12,483.82	9,974.91
23 64 16 16-0016 EA 550 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	347,446.84 13,234.22	10,328.61
23 64 16 16-0017 EA 600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	364,304.69 13,894.11	10,553.20
23 64 16 16-0018 EA 650 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	379,375.34 14,463.42	11,074.82
23 64 16 16-0019 EA 700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	392,195.79 14,942.21	11,604.35
23 64 16 16-0020 EA 750 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	402,842.24 15,330.63	12,186.92
23 64 16 16-0021 EA 800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	427,905.68 16,295.39	12,774.88
23 64 16 16-0022 EA 850 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	452,791.92 17,253.19	13,360.97
23 64 16 16-0023 EA 900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	477,591.25 18,203.89	14,003.31
23 64 16 16-0024 EA 950 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	502,315.75 19,147.43	14,710.53
23 64 16 16-0025 EA 1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	526,683.27 20,083.80	15,472.03
23 64 16 16-0026 EA 1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	571,348.33 21,719.09	17,852.41
23 64 16 16-0027 EA 1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	614,330.65 23,286.63	20,239.56
23 64 16 16-0028 EA 1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	654,895.17 24,786.29	22,173.29
23 64 16 16-0029 EA 1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	692,581.49 26,218.06	23,363.89
23 64 16 16-0030 EA 1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	728,504.09 27,581.75	24,515.57
23 64 16 16-0031 EA 1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	762,045.29 28,878.23	25,226.20
23 64 16 16-0032 EA 1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	795,552.03 30,106.62	26,986.13
23 64 16 16-0033 EA 1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	826,656.77 31,267.13	28,302.52
23 64 16 16-0034 EA 1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	856,686.63 32,359.75	30,010.44
23 64 16 16-0035 EA 2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	884,011.86 33,384.63	31,082.27
23 64 16 16-0036 EA 2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	941,544.61 35,650.02	32,841.66
23 64 16 16-0037 EA 2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	992,609.45 37,491.43	34,812.12
<b>23 64 16 16-0038 Magnetic Bearing, Water Cooled Centrifugal Water Chillers</b> <small>(23 64 16 16)</small> Note: SMARTD water cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, 10 amp maximum inrush current and ARI part load <0.4kW per ton. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface, 12/18 month compressor warranty.		
23 64 16 16-0039 EA 60 To 85 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	144,320.04 6,398.10 4,546.92	4,990.68
23 64 16 16-0040 EA 130 To 137 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	181,782.24 6,398.10 4,546.92	5,800.62

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 60 Central Cooling Equipment****23 64 Packaged Water Chillers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0041	EA		125 To 170 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	227,793.82 12,796.20 4,546.92	5,932.14
23 64 16 16-0042	EA		240 To 270 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	296,771.45 12,796.20 4,546.92	6,853.33
23 64 16 16-0043	EA		210 To 260 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	299,119.73 19,194.30 4,546.92	6,487.04
23 64 16 16-0044	EA		355 To 405 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	448,915.09 19,194.30 4,546.92	8,591.97
23 64 16 16-0045	EA		299 To 340 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	397,668.50 23,459.70 6,333.21	7,979.98
23 64 16 16-0046	EA		540 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	552,639.09 23,459.70 6,333.21	10,328.61
23 64 16 16-0047	EA		425 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	495,074.33 27,725.10 6,333.21	9,017.63
23 64 16 16-0048	EA		650 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	662,752.55 27,725.10 6,333.21	11,074.82
23 64 16 16-0049	EA		510 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	589,600.01 31,990.50 6,657.99	9,974.91
23 64 16 16-0050	EA		800 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	759,672.03 31,990.50 6,657.99	12,774.88

**23 64 23 Scroll Water Chillers (23 64)****23 64 23 13 Air-Cooled Scroll Water Chillers (23 64 23)****23 64 23 13-0001 Packaged Air Cooled Scroll Water Chillers (23 64 23 13)**

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type. Includes scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment.

23 64 23 13-0002	EA		10 Ton Packaged Air Cooled Scroll Water Chiller.....	22,982.13	1,526.75
23 64 23 13-0003	EA		15 Ton Packaged Air Cooled Scroll Water Chiller.....	33,626.64	1,546.32
23 64 23 13-0004	EA		18 Ton Packaged Air Cooled Scroll Water Chiller.....	36,696.04	1,653.97
23 64 23 13-0005	EA		22 Ton Packaged Air Cooled Scroll Water Chiller.....	40,366.73	1,771.41
23 64 23 13-0006	EA		25 Ton Packaged Air Cooled Scroll Water Chiller.....	41,033.26	1,888.86
23 64 23 13-0007	EA		30 Ton Packaged Air Cooled Scroll Water Chiller.....	43,301.35	2,025.88
23 64 23 13-0008	EA		40 Ton Packaged Air Cooled Scroll Water Chiller.....	49,499.97	2,192.25
23 64 23 13-0009	EA		45 Ton Packaged Air Cooled Scroll Water Chiller.....	53,161.31	2,378.19
23 64 23 13-0010	EA		50 Ton Packaged Air Cooled Scroll Water Chiller.....	56,131.34	2,446.70
23 64 23 13-0011	EA		55 Ton Packaged Air Cooled Scroll Water Chiller.....	58,625.37	2,554.36
23 64 23 13-0012	EA		60 Ton Packaged Air Cooled Scroll Water Chiller.....	60,594.67	2,642.44
23 64 23 13-0013	EA		70 Ton Packaged Air Cooled Scroll Water Chiller.....	69,900.88	2,975.19
23 64 23 13-0014	EA		80 Ton Packaged Air Cooled Scroll Water Chiller.....	75,247.94	3,259.01
23 64 23 13-0015	EA		90 Ton Packaged Air Cooled Scroll Water Chiller.....	76,613.70	3,268.80
23 64 23 13-0016	EA		100 Ton Packaged Air Cooled Scroll Water Chiller.....	81,045.72	3,278.59
23 64 23 13-0017	EA		110 Ton Packaged Air Cooled Scroll Water Chiller.....	85,359.99	3,288.37
23 64 23 13-0018	EA		120 Ton Packaged Air Cooled Scroll Water Chiller.....	89,727.90	3,298.16
23 64 23 13-0019	EA		130 Ton Packaged Air Cooled Scroll Water Chiller.....	94,320.70	3,307.94

**23 64 23 16 Water-Cooled Scroll Water Chillers (23 64 23)****23 64 23 16-0001 Packaged Water Cooled Scroll Water Chillers (23 64 23 16)**

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 16-0002	EA		20 Ton Packaged Water Cooled Scroll Water Chiller .....	26,101.03	1,896.02
23 64 23 16-0003	EA		25 Ton Packaged Water Cooled Scroll Water Chiller .....	29,982.55	1,953.30
23 64 23 16-0004	EA		30 Ton Packaged Water Cooled Scroll Water Chiller .....	33,257.09	2,144.32
23 64 23 16-0005	EA		40 Ton Packaged Water Cooled Scroll Water Chiller .....	40,972.01	2,765.51
23 64 23 16-0006	EA		50 Ton Packaged Water Cooled Scroll Water Chiller .....	45,318.67	3,030.72
23 64 23 16-0007	EA		60 Ton Packaged Water Cooled Scroll Water Chiller .....	47,660.67	3,348.55

**23 64 26 Rotary-Screw Water Chillers (23 64)**





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers (23 64 26)**

**23 64 26 13-0001**

**Packaged Air Cooled Rotary-Screw Water Chillers (23 64 26 13)**

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 voltage motor rating, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment.

23 64 26 13-0002	EA	70 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	99,632.99		3,748.36
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,410.23		
		<i>For 208/230 Voltage Motor Rating, Add</i>	3,760.61		
23 64 26 13-0003	EA	80 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	107,074.02		4,071.32
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,514.65		
		<i>For 208/230 Voltage Motor Rating, Add</i>	4,039.07		
23 64 26 13-0004	EA	90 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	112,637.49		4,247.48
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,593.99		
		<i>For 208/230 Voltage Motor Rating, Add</i>	4,250.65		
23 64 26 13-0005	EA	100 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	116,776.41		4,570.45
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,648.88		
		<i>For 208/230 Voltage Motor Rating, Add</i>	4,397.03		
23 64 26 13-0006	EA	110 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	125,343.47		4,795.54
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,772.40		
		<i>For 208/230 Voltage Motor Rating, Add</i>	4,726.40		
23 64 26 13-0007	EA	120 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	133,228.12		4,893.41
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,888.32		
		<i>For 208/230 Voltage Motor Rating, Add</i>	5,035.52		
23 64 26 13-0008	EA	130 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	140,652.67		5,059.78
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,996.02		
		<i>For 208/230 Voltage Motor Rating, Add</i>	5,322.72		
23 64 26 13-0009	EA	140 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	145,158.21		5,167.44
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,061.11		
		<i>For 208/230 Voltage Motor Rating, Add</i>	5,496.28		
23 64 26 13-0010	EA	160 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	153,305.05		5,275.09
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,180.81		
		<i>For 208/230 Voltage Motor Rating, Add</i>	5,815.50		
23 64 26 13-0011	EA	170 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	160,033.16		5,441.47
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,278.06		
		<i>For 208/230 Voltage Motor Rating, Add</i>	6,074.84		
23 64 26 13-0012	EA	180 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	168,766.89		5,656.78
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,404.23		
		<i>For 208/230 Voltage Motor Rating, Add</i>	6,411.27		
23 64 26 13-0013	EA	200 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	176,432.79		5,774.22
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,516.72		
		<i>For 208/230 Voltage Motor Rating, Add</i>	6,711.25		
23 64 26 13-0014	EA	215 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	189,172.97		5,872.09
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,705.47		
		<i>For 208/230 Voltage Motor Rating, Add</i>	7,214.59		
23 64 26 13-0015	EA	225 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	197,640.33		5,930.82
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,831.31		
		<i>For 208/230 Voltage Motor Rating, Add</i>	7,550.16		
23 64 26 13-0016	EA	240 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	206,107.68		5,979.75
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,957.14		
		<i>For 208/230 Voltage Motor Rating, Add</i>	7,885.72		
23 64 26 13-0017	EA	260 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	231,451.03		6,097.19
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-3,334.65		
		<i>For 208/230 Voltage Motor Rating, Add</i>	8,892.41		
23 64 26 13-0018	EA	280 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	244,201.01		6,214.63
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-3,523.41		
		<i>For 208/230 Voltage Motor Rating, Add</i>	9,395.75		
23 64 26 13-0019	EA	300 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	261,135.71		6,312.50
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-3,775.08		
		<i>For 208/230 Voltage Motor Rating, Add</i>	10,066.87		
23 64 26 13-0020	EA	325 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	286,459.50		6,420.15
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-4,152.59		
		<i>For 208/230 Voltage Motor Rating, Add</i>	11,073.56		
23 64 26 13-0021	EA	350 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	312,364.02		6,498.44
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-4,539.25		
		<i>For 208/230 Voltage Motor Rating, Add</i>	12,104.65		

**23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers (23 64 26)**

**23 64 26 16-0001**

**Packaged Water Cooled Helical Rotary Water Chillers (23 64 26 16)**

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002	EA	70 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	73,189.19		4,678.76
23 64 26 16-0003	EA	80 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	79,501.57		4,860.70
23 64 26 16-0004	EA	90 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	84,980.38		4,990.68
23 64 26 16-0005	EA	100 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	89,728.02		5,201.22
23 64 26 16-0006	EA	110 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	94,460.74		5,344.18

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 60 Central Cooling Equipment**

**23 64 Packaged Water Chillers**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 16-0007	EA		125 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	100,228.92	5,494.21
23 64 26 16-0008	EA		130 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	120,959.66	5,647.78
23 64 26 16-0009	EA		150 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	111,380.85	5,800.62
23 64 26 16-0010	EA		175 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	119,720.21	5,944.21
23 64 26 16-0011	EA		190 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	123,806.67	6,241.46
23 64 26 16-0012	EA		200 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	135,076.05	6,542.47
23 64 26 16-0013	EA		210 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	136,904.64	6,682.51
23 64 26 16-0014	EA		235 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	148,814.25	6,828.69
23 64 26 16-0015	EA		255 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	158,112.10	7,141.23
23 64 26 16-0016	EA		275 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	166,909.00	7,430.29
23 64 26 16-0017	EA		300 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	177,151.23	7,724.63
23 64 26 16-0018	EA		350 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	194,471.54	8,409.28
23 64 26 16-0019	EA		400 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	208,638.95	9,249.38
23 64 26 16-0020	EA		450 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	219,668.84	10,174.74

**23 65 Cooling Towers (23 60)**

**23 65 13 Forced-Draft Cooling Towers (23 65)**

**23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13)**

**23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13 16)**

**23 65 13 16-0002 Blow-Thru Centrifugal Fan Type Galvanized Cooling Towers (23 65 13 16-0001)**

Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 16-0003	EA		50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	18,649.20	1,624.61
			<i>For Stainless Steel Cooling Tower, Add</i>	9,727.37	
23 65 13 16-0004	EA		75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	25,735.47	1,986.72
			<i>For Stainless Steel Cooling Tower, Add</i>	13,662.04	
23 65 13 16-0005	EA		100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	32,247.47	2,495.64
			<i>For Stainless Steel Cooling Tower, Add</i>	16,940.92	
23 65 13 16-0006	EA		125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	37,201.85	2,789.24
			<i>For Stainless Steel Cooling Tower, Add</i>	19,631.69	
23 65 13 16-0007	EA		150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	42,523.01	3,141.57
			<i>For Stainless Steel Cooling Tower, Add</i>	22,483.81	
23 65 13 16-0008	EA		175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	47,813.91	3,523.25
			<i>For Stainless Steel Cooling Tower, Add</i>	25,294.28	
23 65 13 16-0009	EA		200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	53,664.43	3,924.52
			<i>For Stainless Steel Cooling Tower, Add</i>	28,417.03	
23 65 13 16-0010	EA		225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	58,630.61	4,423.64
			<i>For Stainless Steel Cooling Tower, Add</i>	30,915.23	
23 65 13 16-0011	EA		250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	63,864.59	4,912.98
			<i>For Stainless Steel Cooling Tower, Add</i>	33,579.98	
23 65 13 16-0012	EA		275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	69,883.29	5,813.37
			<i>For Stainless Steel Cooling Tower, Add</i>	36,328.00	
23 65 13 16-0013	EA		300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	75,932.21	6,439.73
			<i>For Stainless Steel Cooling Tower, Add</i>	39,346.66	
23 65 13 16-0014	EA		325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	80,008.72	6,850.77
			<i>For Stainless Steel Cooling Tower, Add</i>	41,428.49	
23 65 13 16-0015	EA		350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	84,780.51	7,252.03
			<i>For Stainless Steel Cooling Tower, Add</i>	43,874.65	
23 65 13 16-0016	EA		375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	89,425.07	7,604.36
			<i>For Stainless Steel Cooling Tower, Add</i>	46,320.80	
23 65 13 16-0017	EA		400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	94,753.79	7,956.68
			<i>For Stainless Steel Cooling Tower, Add</i>	49,183.32	
23 65 13 16-0018	EA		425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	100,393.01	8,387.30
			<i>For Stainless Steel Cooling Tower, Add</i>	52,149.94	
23 65 13 16-0019	EA		450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	106,803.12	8,817.92
			<i>For Stainless Steel Cooling Tower, Add</i>	55,584.96	
23 65 13 16-0020	EA		475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	113,038.42	9,189.83
			<i>For Stainless Steel Cooling Tower, Add</i>	58,967.94	
23 65 13 16-0021	EA		500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	119,283.51	9,561.72
			<i>For Stainless Steel Cooling Tower, Add</i>	62,350.92	
23 65 13 16-0022	EA		550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	131,196.25	9,962.98
			<i>For Stainless Steel Cooling Tower, Add</i>	69,116.88	
23 65 13 16-0023	EA		600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	144,149.90	10,354.45
			<i>For Stainless Steel Cooling Tower, Add</i>	76,507.39	
23 65 13 16-0024	EA		650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	149,432.79	10,569.76
			<i>For Stainless Steel Cooling Tower, Add</i>	79,630.14	
23 65 13 16-0025	EA		700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	155,756.58	10,706.78
			<i>For Stainless Steel Cooling Tower, Add</i>	83,377.44	
23 65 13 16-0026	EA		750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	163,036.82	11,254.84
			<i>For Stainless Steel Cooling Tower, Add</i>	87,228.83	
23 65 13 16-0027	EA		800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	171,531.45	11,802.90
			<i>For Stainless Steel Cooling Tower, Add</i>	91,808.87	
23 65 13 16-0028	EA		850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	180,104.37	12,399.90
			<i>For Stainless Steel Cooling Tower, Add</i>	96,388.90	
23 65 13 16-0029	EA		900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	190,065.18	12,996.90
			<i>For Stainless Steel Cooling Tower, Add</i>	101,801.67	
23 65 13 16-0030	EA		950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	200,336.49	13,681.97
			<i>For Stainless Steel Cooling Tower, Add</i>	107,318.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 13 16-0031 EA 1,000 Ton Centrifugal Type Cooling Tower ..... <i>For Stainless Steel Cooling Tower, Add</i>	211,985.91 113,668.12	14,367.05
<b>23 65 14 Induced-Draft Cooling Towers (23 65)</b>		
<b>23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers (23 65 14)</b>		
<b>23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers</b> <small>(23 65 14 13)</small>		
<small>Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.</small>		
23 65 14 13-0002 EA 10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	9,477.09 1,174.94 2,349.87	1,096.13
23 65 14 13-0003 EA 20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	11,253.54 1,420.85 2,841.70	1,184.20
23 65 14 13-0004 EA 30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	13,472.62 1,721.42 3,442.83	1,331.01
23 65 14 13-0005 EA 40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	14,953.26 1,912.68 3,825.37	1,468.02
23 65 14 13-0006 EA 50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	17,738.40 2,295.22 4,590.44	1,624.61
23 65 14 13-0007 EA 60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	20,665.06 2,706.33 5,412.66	1,751.84
23 65 14 13-0008 EA 75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	23,731.70 3,114.94 6,229.89	1,986.72
23 65 14 13-0009 EA 100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	29,515.06 3,825.37 7,650.74	2,495.64
23 65 14 13-0010 EA 125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	32,170.75 4,153.26 8,306.52	2,789.24
23 65 14 13-0011 EA 150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	49,353.44 6,645.52 13,291.03	3,141.57
23 65 14 13-0012 EA 200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	59,697.41 8,009.21 16,018.41	3,924.52
23 65 14 13-0013 EA 300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	76,962.37 9,991.19 19,982.38	6,439.73
<b>23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers</b> <small>(23 65 14 13)</small>		
<small>Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.</small>		
23 65 14 13-0015 EA 100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	29,515.06 3,825.37 7,650.74	2,495.64
23 65 14 13-0016 EA 150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	39,356.88 5,146.03 10,292.06	3,141.57
23 65 14 13-0017 EA 200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	50,021.22 6,557.78 13,115.55	3,924.52
23 65 14 13-0018 EA 250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	59,301.90 7,710.59 15,421.18	4,912.98
23 65 14 13-0019 EA 300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	70,354.63 9,000.03 18,000.05	6,439.73
23 65 14 13-0020 EA 350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	78,404.89 10,012.32 20,024.64	7,252.03
23 65 14 13-0021 EA 400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	87,467.37 11,202.87 22,405.73	7,956.68
23 65 14 13-0022 EA 450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	99,169.73 12,751.23 25,502.46	8,817.92
23 65 14 13-0023 EA 500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	111,910.35 14,481.76 28,963.51	9,561.72
23 65 14 13-0024 EA 550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	119,919.65 15,587.73 31,175.46	10,080.42

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 60 Central Cooling Equipment****23 65 Cooling Towers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 13-0025 EA 600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower .....	128,582.99	10,354.45
For Polymer Coating Over Galvanized Components, Add	16,791.81	
For Stainless Steel Support Structure, Add	33,583.62	
23 65 14 13-0026 EA 700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower .....	146,128.10	10,706.78
For Polymer Coating Over Galvanized Components, Add	19,400.09	
For Stainless Steel Support Structure, Add	38,800.18	
23 65 14 13-0027 EA 800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower .....	160,254.85	11,802.90
For Polymer Coating Over Galvanized Components, Add	21,260.73	
For Stainless Steel Support Structure, Add	42,521.45	
23 65 14 13-0028 EA 900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower .....	177,053.71	12,996.90
For Polymer Coating Over Galvanized Components, Add	23,498.70	
For Stainless Steel Support Structure, Add	46,997.39	
<b>23 65 14 14 Open-Circuit, Induced-Draft Crossflow Cooling Towers (23 65 14)</b>		
<b>23 65 14 14-0001 Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers (23 65 14 14)</b>		
Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment.		
23 65 14 14-0002 EA 10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	8,024.17	1,096.13
For Polymer Coating Over Galvanized Components, Add	957.00	
For Stainless Steel Support Structure, Add	1,913.99	
23 65 14 14-0003 EA 15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	8,673.53	1,115.70
For Polymer Coating Over Galvanized Components, Add	1,051.47	
For Stainless Steel Support Structure, Add	2,102.93	
23 65 14 14-0004 EA 20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	9,432.52	1,213.57
For Polymer Coating Over Galvanized Components, Add	1,141.83	
For Stainless Steel Support Structure, Add	2,283.65	
23 65 14 14-0005 EA 25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	11,053.98	1,272.29
For Polymer Coating Over Galvanized Components, Add	1,371.83	
For Stainless Steel Support Structure, Add	2,743.67	
23 65 14 14-0006 EA 30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	12,538.54	1,331.01
For Polymer Coating Over Galvanized Components, Add	1,581.30	
For Stainless Steel Support Structure, Add	3,162.61	
23 65 14 14-0007 EA 35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	13,987.91	1,399.51
For Polymer Coating Over Galvanized Components, Add	1,782.56	
For Stainless Steel Support Structure, Add	3,565.12	
23 65 14 14-0008 EA 40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	15,317.96	1,468.02
For Polymer Coating Over Galvanized Components, Add	1,967.39	
For Stainless Steel Support Structure, Add	3,934.78	
23 65 14 14-0009 EA 45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	16,794.71	1,546.32
For Polymer Coating Over Galvanized Components, Add	2,172.75	
For Stainless Steel Support Structure, Add	4,345.51	
23 65 14 14-0010 EA 50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	18,236.28	1,624.61
For Polymer Coating Over Galvanized Components, Add	2,369.90	
For Stainless Steel Support Structure, Add	4,739.81	
23 65 14 14-0011 EA 60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	21,078.27	1,751.84
For Polymer Coating Over Galvanized Components, Add	2,768.31	
For Stainless Steel Support Structure, Add	5,536.62	
23 65 14 14-0012 EA 70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	24,158.89	1,888.86
For Polymer Coating Over Galvanized Components, Add	3,199.58	
For Stainless Steel Support Structure, Add	6,399.15	
23 65 14 14-0013 EA 75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	25,582.86	1,986.72
For Polymer Coating Over Galvanized Components, Add	3,392.62	
For Stainless Steel Support Structure, Add	6,785.24	
23 65 14 14-0014 EA 80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	27,124.26	2,153.10
For Polymer Coating Over Galvanized Components, Add	3,585.66	
For Stainless Steel Support Structure, Add	7,171.32	
23 65 14 14-0015 EA 90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	28,254.94	2,319.48
For Polymer Coating Over Galvanized Components, Add	3,717.09	
For Stainless Steel Support Structure, Add	7,434.19	
23 65 14 14-0016 EA 100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	30,353.99	2,495.64
For Polymer Coating Over Galvanized Components, Add	3,951.21	
For Stainless Steel Support Structure, Add	7,902.42	
23 65 14 14-0017 EA 125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	31,563.06	2,789.24
For Polymer Coating Over Galvanized Components, Add	4,062.11	
For Stainless Steel Support Structure, Add	8,124.21	
23 65 14 14-0018 EA 150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	36,676.09	3,141.57
For Polymer Coating Over Galvanized Components, Add	4,743.91	
For Stainless Steel Support Structure, Add	9,487.83	
23 65 14 14-0019 EA 175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	40,513.94	3,523.25
For Polymer Coating Over Galvanized Components, Add	5,228.57	
For Stainless Steel Support Structure, Add	10,457.15	
23 65 14 14-0020 EA 200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	42,611.11	3,924.52
For Polymer Coating Over Galvanized Components, Add	5,446.26	
For Stainless Steel Support Structure, Add	10,892.52	
23 65 14 14-0021 EA 225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	49,273.36	4,423.64
For Polymer Coating Over Galvanized Components, Add	6,325.22	
For Stainless Steel Support Structure, Add	12,650.44	
23 65 14 14-0022 EA 250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	54,009.08	4,912.98
For Polymer Coating Over Galvanized Components, Add	6,916.67	
For Stainless Steel Support Structure, Add	13,833.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0023 EA 275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	57,665.68 7,249.36 14,498.72	5,813.37
23 65 14 14-0024 EA 300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	62,188.39 7,775.09 15,550.18	6,439.73
23 65 14 14-0025 EA 350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	71,102.20 8,916.92 17,833.83	7,252.03
23 65 14 14-0026 EA 400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	78,388.62 9,841.05 19,682.11	7,956.68
23 65 14 14-0027 EA 450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	86,641.41 10,871.98 21,743.97	8,817.92
23 65 14 14-0028 EA 500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	94,416.86 11,857.73 23,715.47	9,561.72
23 65 14 14-0029 EA 600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	108,010.99 13,706.01 27,412.02	10,354.45
23 65 14 14-0030 EA 700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	121,338.27 15,681.61 31,363.23	10,706.78
23 65 14 14-0031 EA 800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	135,656.44 17,570.97 35,141.93	11,802.90
23 65 14 14-0032 EA 900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	149,528.77 19,369.96 38,739.91	12,996.90
23 65 14 14-0033 EA 1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	163,090.33 21,082.69 42,165.39	14,367.05
23 65 14 14-0034 EA 1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	178,606.92 23,247.23 46,494.47	15,061.92
23 65 14 14-0035 EA 1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	193,571.95 25,337.84 50,675.68	15,707.85
23 65 14 14-0036 EA 1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	205,844.57 26,861.64 53,723.29	17,058.42
23 65 14 14-0037 EA 1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	217,698.79 28,299.19 56,598.39	18,506.88
23 65 14 14-0038 EA 1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	229,105.22 29,650.49 59,300.98	20,033.61
23 65 14 14-0039 EA 1,600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	239,637.18 30,907.32 61,814.64	21,413.56
23 65 14 14-0040 EA 1,700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	249,889.70 32,073.79 64,147.58	22,989.24
23 65 14 14-0041 EA 1,800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	259,958.64 33,154.01 66,308.01	24,809.60
23 65 14 14-0042 EA 1,900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	269,388.08 34,139.75 68,279.51	26,629.93
23 65 14 14-0043 EA 2,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	279,279.89 35,039.25 70,078.50	29,115.80
<b>23 65 14 14-0044 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers <sup>(23 65</sup></b>		
<sup>14 14)</sup> Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment.		
23 65 14 14-0045 EA 100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	82,038.01 3,901.27	2,495.64
23 65 14 14-0046 EA 125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	92,990.14 4,425.39	2,769.67
23 65 14 14-0047 EA 150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	101,613.59 4,828.18	3,141.57
23 65 14 14-0048 EA 200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	112,895.22 5,329.63	3,924.52
23 65 14 14-0049 EA 250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	127,803.82 5,995.29	4,912.98
23 65 14 14-0050 EA 300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	146,612.96 6,812.93	6,439.73
23 65 14 14-0051 EA 350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	159,696.04 7,402.00	7,252.03
23 65 14 14-0052 EA 400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	172,602.96 7,991.07	7,956.68
23 65 14 14-0053 EA 500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	199,162.13 9,189.84	9,561.72

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 60 Central Cooling Equipment****23 65 Cooling Towers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0054	EA		600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	225,026.37 10,419.44	10,354.45
23 65 14 14-0055	EA		750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	278,870.00 13,013.75	11,254.84
23 65 14 14-0056	EA		1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	362,119.94 16,979.05	14,367.05

**23 65 14 16 Closed-Circuit, Induced-Draft Counterflow Cooling Towers (23 65 14)**

23 65 14 16-0001			<b>Stainless Steel Packaged Propeller Type Cooling Towers (23 65 14 16)</b> Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.		
23 65 14 16-0002			<b>Draw-Thru Stainless Steel Propeller Type Cooling Towers (23 65 14 16-0001)</b> Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment.		
23 65 14 16-0003	EA		50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	34,406.91	1,624.61
23 65 14 16-0004	EA		75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	48,947.30	1,986.72
23 65 14 16-0005	EA		100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	57,641.79	2,495.64
23 65 14 16-0006	EA		125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	65,350.35	2,789.24
23 65 14 16-0007	EA		150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	71,677.98	3,141.57
23 65 14 16-0008	EA		200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	85,929.48	3,924.52
23 65 14 16-0009	EA		250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	101,087.26	4,912.98
23 65 14 16-0010	EA		300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	119,745.26	6,439.73
23 65 14 16-0011	EA		350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	131,063.57	7,252.03
23 65 14 16-0012	EA		400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	148,631.59	7,956.68
23 65 14 16-0013	EA		500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	172,245.41	9,561.72
23 65 14 16-0014	EA		600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	194,511.01	10,354.45
23 65 14 16-0015	EA		750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	240,754.94	11,254.84
23 65 14 16-0016	EA		1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	306,759.87	14,210.47

23 65 14 16-0017			<b>Belt Driven Stainless Steel Propeller Type Cooling Towers (23 65 14 16-0001)</b> Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment.		
23 65 14 16-0018	EA		100 Ton Belt Driven Type Propeller Type Cooling Tower.....	60,056.09	2,495.64
23 65 14 16-0019	EA		125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	64,974.52	2,789.24
23 65 14 16-0020	EA		150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	69,994.92	3,141.57
23 65 14 16-0021	EA		200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	82,747.19	3,924.52
23 65 14 16-0022	EA		250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	91,123.70	4,912.98

23 65 14 16-0023			<b>Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers (23 65 14 16)</b> Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.		
23 65 14 16-0024	EA		5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	3,965.04	1,017.83
23 65 14 16-0025	EA		8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	4,173.72	1,066.77
23 65 14 16-0026	EA		10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	4,851.78	1,096.13
23 65 14 16-0027	EA		15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	5,484.19	1,115.70
23 65 14 16-0028	EA		20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	7,179.38	1,213.57
23 65 14 16-0029	EA		25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	7,593.43	1,272.29
23 65 14 16-0030	EA		30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	8,581.21	1,331.01
23 65 14 16-0031	EA		40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	9,895.04	1,468.02
23 65 14 16-0032	EA		50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	11,042.66	1,624.61
23 65 14 16-0033	EA		60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	12,376.04	1,751.84
23 65 14 16-0034	EA		70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	14,276.63	1,888.86
23 65 14 16-0035	EA		80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	15,541.72	2,153.10
23 65 14 16-0036	EA		100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	18,812.47	2,495.64
23 65 14 16-0037	EA		125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	23,258.52	2,789.24
23 65 14 16-0038	EA		150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	26,121.02	3,141.57
23 65 14 16-0039	EA		175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	31,721.74	3,523.25
23 65 14 16-0040	EA		200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	35,379.68	3,924.52
23 65 14 16-0041	EA		225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	39,102.94	4,423.64
23 65 14 16-0042	EA		250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	42,659.93	4,912.98
23 65 14 16-0043	EA		300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	51,101.33	6,439.73
23 65 14 16-0044	EA		350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	58,074.94	7,252.03
23 65 14 16-0045	EA		400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	64,546.42	7,956.68
23 65 14 16-0046	EA		500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	78,474.07	9,365.98
23 65 14 16-0047	EA		600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	89,655.99	10,354.45
23 65 14 16-0048	EA		700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	95,002.39	7,956.68
23 65 14 16-0049	EA		800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	108,694.39	11,802.90
23 65 14 16-0050	EA		1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	124,215.36	9,835.76

**23 65 43 Cooling Tower Basins and Accessories (23 65)**

23 65 43 00-0001			<b>Fiberglass Cooling Tower Remote Sump Basins (23 65 43)</b> Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment.		
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 43 00-0002 EA 30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	1,217.23	
<i>For Anti-Flotation Flanges, Add</i>	115.00	
<i>For Perforated Basins, Add</i>	80.00	
23 65 43 00-0003 EA 30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	1,376.72	
<i>For Anti-Flotation Flanges, Add</i>	115.00	
<i>For Perforated Basins, Add</i>	80.00	
23 65 43 00-0004 EA 36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	1,355.79	
<i>For Anti-Flotation Flanges, Add</i>	253.00	
<i>For Perforated Basins, Add</i>	80.00	
23 65 43 00-0005 EA 36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	1,586.62	
<i>For Anti-Flotation Flanges, Add</i>	253.00	
<i>For Perforated Basins, Add</i>	80.00	
23 65 43 00-0006 EA 42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	1,718.09	
<i>For Anti-Flotation Flanges, Add</i>	276.00	
<i>For Perforated Basins, Add</i>	100.00	
23 65 43 00-0007 EA 42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	1,908.39	
<i>For Anti-Flotation Flanges, Add</i>	276.00	
<i>For Perforated Basins, Add</i>	100.00	
23 65 43 00-0008 EA 42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	2,098.68	
<i>For Anti-Flotation Flanges, Add</i>	276.00	
<i>For Perforated Basins, Add</i>	100.00	
23 65 43 00-0009 EA 48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	2,130.97	
<i>For Anti-Flotation Flanges, Add</i>	294.00	
<i>For Perforated Basins, Add</i>	140.00	
23 65 43 00-0010 EA 48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	2,357.67	
<i>For Anti-Flotation Flanges, Add</i>	294.00	
<i>For Perforated Basins, Add</i>	140.00	
23 65 43 00-0011 EA 48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	2,685.05	
<i>For Anti-Flotation Flanges, Add</i>	294.00	
<i>For Perforated Basins, Add</i>	140.00	
23 65 43 00-0012 EA 48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	3,015.22	
<i>For Anti-Flotation Flanges, Add</i>	294.00	
<i>For Perforated Basins, Add</i>	140.00	
23 65 43 00-0013 EA 48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	3,236.34	
<i>For Anti-Flotation Flanges, Add</i>	294.00	
<i>For Perforated Basins, Add</i>	140.00	

## 23 70 Central HVAC Equipment <sup>(23)</sup>

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

### 23 71 Thermal Storage <sup>(23 70)</sup>

#### 23 71 13 Thermal Heat Storage <sup>(23 71)</sup>

##### 23 71 13 23 Pressurized-Water Thermal Storage Tanks <sup>(23 71 13)</sup>

##### 23 71 13 23-0001 Nickelshield Storage Tanks <sup>(23 71 13 23)</sup>

23 71 13 23-0002 EA 325 Gallon Nickelshield Storage Tank .....	28,823.93	185.43
23 71 13 23-0003 EA 490 Gallon Nickelshield Storage Tank .....	40,226.74	245.86
23 71 13 23-0004 EA 605 Gallon Nickelshield Storage Tank .....	46,049.85	297.37
23 71 13 23-0005 EA 740 Gallon Nickelshield Storage Tank .....	54,518.90	371.70
23 71 13 23-0006 EA 940 Gallon Nickelshield Storage Tank .....	63,414.15	494.12
23 71 13 23-0007 EA 1,505 Gallon Nickelshield Storage Tank .....	81,908.09	743.50
23 71 13 23-0008 EA 1,615 Gallon Nickelshield Storage Tank .....	92,495.96	837.42
23 71 13 23-0009 EA 2,275 Gallon Nickelshield Storage Tank .....	127,031.12	1,112.32
23 71 13 23-0010 EA 3,815 Gallon Nickelshield Storage Tank .....	164,403.95	1,293.12

### 23 72 Air-To-Air Energy Recovery Equipment <sup>(23 70)</sup>

#### 23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment <sup>(23 72)</sup>

##### 23 72 13 00-0001 Enthalpy Recovery Wheel <sup>(23 72 13)</sup>

23 72 13 00-0002 EA Up To 1,000 CFM Enthalpy Recovery Wheel .....	10,093.06	698.12
23 72 13 00-0003 EA >1,000 To 2,000 CFM Enthalpy Recovery Wheel .....	11,192.16	837.95
23 72 13 00-0004 EA >2,000 To 4,000 CFM Enthalpy Recovery Wheel .....	14,005.29	1,047.44
23 72 13 00-0005 EA >4,000 To 6,000 CFM Enthalpy Recovery Wheel .....	16,383.61	1,196.70
23 72 13 00-0006 EA >6,000 To 8,000 CFM Enthalpy Recovery Wheel .....	18,141.51	1,256.93
23 72 13 00-0007 EA >8,000 To 10,000 CFM Enthalpy Recovery Wheel .....	22,075.20	1,396.76
23 72 13 00-0008 EA >10,000 To 15,000 CFM Enthalpy Recovery Wheel .....	29,399.92	1,466.41
23 72 13 00-0009 EA >15,000 To 20,000 CFM Enthalpy Recovery Wheel .....	36,669.16	1,571.16
23 72 13 00-0010 EA >20,000 To 25,000 CFM Enthalpy Recovery Wheel .....	44,427.70	1,795.32
23 72 13 00-0011 EA >25,000 To 30,000 CFM Enthalpy Recovery Wheel .....	49,731.11	2,304.37
23 72 13 00-0012 EA >30,000 To 40,000 CFM Enthalpy Recovery Wheel .....	66,742.78	2,618.60
23 72 13 00-0013 EA >40,000 To 50,000 CFM Enthalpy Recovery Wheel .....	79,380.51	3,142.32

#### 23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment <sup>(23 72)</sup>

##### 23 72 16 00-0001 Glycol Heat Pipe Type, 50 Percent Efficient <sup>(23 72 16)</sup>

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 72 Air-To-Air Energy Recovery Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 72 16 00-0002	EA		100 MBH, 1,700 CFM Glycol Heat Recovery Unit .....	18,341.14	523.72
23 72 16 00-0003	EA		160 MBH, 2,700 CFM Glycol Heat Recovery Unit .....	28,863.04	698.33
23 72 16 00-0004	EA		620 MBH, 4,000 CFM Glycol Heat Recovery Unit .....	42,785.94	1,047.44

**23 73 Indoor Central-Station Air-Handling Units** <sup>(23 70)</sup>**23 73 13 Modular Indoor Central-Station Air-Handling Units** <sup>(23 73)</sup>

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

**23 73 13 00-0001 Single Zone Units** <sup>(23 73 13)</sup>

Note: Horizontal/vertical draw-thru fan, motor and cabinet.

23 73 13 00-0002	EA	300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	2,351.60	557.37
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	195.35	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	366.81	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	546.23	
		<i>For Manual Roll Filter, Add</i>	935.07	
		<i>For Automatic Roll Filter, Add</i>	1,012.84	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	468.46	
		<i>For Electric Heating Coil, Add</i>	779.53	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	779.53	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	701.77	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	624.00	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	506.42	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	935.07	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	857.30	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	624.00	
		<i>For Variable Air Volume, Add</i>	217.75	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,197.38	
		<i>For 2 Coils, Independent Circuits, Add</i>	266.27	
23 73 13 00-0003	EA	500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	3,706.50	668.84
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	322.91	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	617.19	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	921.00	
		<i>For Manual Roll Filter, Add</i>	1,608.95	
		<i>For Automatic Roll Filter, Add</i>	1,746.54	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	783.42	
		<i>For Electric Heating Coil, Add</i>	1,333.77	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,333.77	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,196.18	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	1,058.59	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	873.27	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	1,608.95	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	1,471.36	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	1,058.59	
		<i>For Variable Air Volume, Add</i>	385.25	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,308.31	
		<i>For 2 Coils, Independent Circuits, Add</i>	425.69	
23 73 13 00-0004	EA	800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	4,188.52	718.31
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	367.55	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	704.31	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,051.34	
		<i>For Manual Roll Filter, Add</i>	1,841.95	
		<i>For Automatic Roll Filter, Add</i>	2,000.07	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	893.22	
		<i>For Electric Heating Coil, Add</i>	1,525.70	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,525.70	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,367.58	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	1,209.46	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,000.03	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	1,841.95	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	1,683.82	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	1,209.46	
		<i>For Variable Air Volume, Add</i>	442.74	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,358.26	
		<i>For 2 Coils, Independent Circuits, Add</i>	482.10	
23 73 13 00-0005	EA	1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	4,724.43	771.86
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	417.30	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	801.52	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,196.76	
		<i>For Manual Roll Filter, Add</i>	2,102.16	
		<i>For Automatic Roll Filter, Add</i>	2,283.24	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,015.68	
		<i>For Electric Heating Coil, Add</i>	1,740.00	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,740.00	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,558.92	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	1,377.84	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,141.62	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	2,102.16	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	1,921.08	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	1,377.84	
		<i>For Variable Air Volume, Add</i>	507.02	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,411.98	
		<i>For 2 Coils, Independent Circuits, Add</i>	544.88	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0006 EA 1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	5,356.19	830.38
For Flat Filter Box And Throwaway Filters, Add	476.38	
For Medium Capacity Filter Box And Throwaway Filters, Add	917.20	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,369.88	
For Manual Roll Filter, Add	2,412.71	
For Automatic Roll Filter, Add	2,621.27	
For Hot Water Heating Coil, Aluminum Fins, Add	1,161.32	
For Electric Heating Coil, Add	1,995.58	
For Chilled Water Cooling Coil, Aluminum Fins, Add	1,995.58	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,787.01	
For Steam Heating Coil, Aluminum Fins, Add	1,578.45	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,310.64	
For Chilled Water Cooling Coil, Copper Fins, Add	2,412.71	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,204.14	
For Hot Water Heating Coil, Copper Fins, Add	1,578.45	
For Variable Air Volume, Add	583.98	
For Economizer, Panel, Controls And Damper(s), Add	1,469.42	
For 2 Coils, Independent Circuits, Add	619.05	
23 73 13 00-0007 EA 1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	6,092.83	892.39
For Flat Filter Box And Throwaway Filters, Add	545.54	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,052.84	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,572.89	
For Manual Roll Filter, Add	2,777.39	
For Automatic Roll Filter, Add	3,018.29	
For Hot Water Heating Coil, Aluminum Fins, Add	1,331.99	
For Electric Heating Coil, Add	2,295.59	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,295.59	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,054.69	
For Steam Heating Coil, Aluminum Fins, Add	1,813.79	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,509.15	
For Chilled Water Cooling Coil, Copper Fins, Add	2,777.39	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,536.49	
For Hot Water Heating Coil, Copper Fins, Add	1,813.79	
For Variable Air Volume, Add	674.52	
For Economizer, Panel, Controls And Damper(s), Add	1,532.37	
For 2 Coils, Independent Circuits, Add	705.64	
23 73 13 00-0008 EA 1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	6,670.70	959.38
For Flat Filter Box And Throwaway Filters, Add	598.69	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,156.35	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,727.68	
For Manual Roll Filter, Add	3,053.44	
For Automatic Roll Filter, Add	3,318.60	
For Hot Water Heating Coil, Aluminum Fins, Add	1,462.53	
For Electric Heating Coil, Add	2,523.14	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,523.14	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,257.99	
For Steam Heating Coil, Aluminum Fins, Add	1,992.83	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,659.30	
For Chilled Water Cooling Coil, Copper Fins, Add	3,053.44	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,788.29	
For Hot Water Heating Coil, Copper Fins, Add	1,992.83	
For Variable Air Volume, Add	742.43	
For Economizer, Panel, Controls And Damper(s), Add	1,597.36	
For 2 Coils, Independent Circuits, Add	773.13	
23 73 13 00-0009 EA 1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	7,297.15	1,033.93
For Flat Filter Box And Throwaway Filters, Add	655.88	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,267.46	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,893.80	
For Manual Roll Filter, Add	3,348.91	
For Automatic Roll Filter, Add	3,639.93	
For Hot Water Heating Coil, Aluminum Fins, Add	1,602.78	
For Electric Heating Coil, Add	2,766.87	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,766.87	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,475.84	
For Steam Heating Coil, Aluminum Fins, Add	2,184.82	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,819.97	
For Chilled Water Cooling Coil, Copper Fins, Add	3,348.91	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,057.89	
For Hot Water Heating Coil, Copper Fins, Add	2,184.82	
For Variable Air Volume, Add	814.86	
For Economizer, Panel, Controls And Damper(s), Add	1,562.20	
For 2 Coils, Independent Circuits, Add	846.12	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0010	EA		2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	7,986.09	1,108.48
			For Flat Filter Box And Throwaway Filters, Add	719.43	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,391.35	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,079.10	
			For Manual Roll Filter, Add	3,679.72	
			For Automatic Roll Filter, Add	3,999.84	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,758.98	
			For Electric Heating Coil, Add	3,039.47	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	3,039.47	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,719.35	
			For Steam Heating Coil, Aluminum Fins, Add	2,399.23	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,999.92	
			For Chilled Water Cooling Coil, Copper Fins, Add	3,679.72	
			For Direct Expansion Cooling Coil, Copper Fins, Add	3,359.60	
			For Hot Water Heating Coil, Copper Fins, Add	2,399.23	
			For Variable Air Volume, Add	896.35	
			For Economizer, Panel, Controls And Damper(s), Add	1,620.99	
			For 2 Coils, Independent Circuits, Add	926.66	
23 73 13 00-0011	EA		2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	8,621.94	1,191.48
			For Flat Filter Box And Throwaway Filters, Add	777.09	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,503.12	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,246.16	
			For Manual Roll Filter, Add	3,976.12	
			For Automatic Roll Filter, Add	4,322.11	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,900.17	
			For Electric Heating Coil, Add	3,284.14	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	3,284.14	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,938.15	
			For Steam Heating Coil, Aluminum Fins, Add	2,592.15	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,161.06	
			For Chilled Water Cooling Coil, Copper Fins, Add	3,976.12	
			For Direct Expansion Cooling Coil, Copper Fins, Add	3,630.13	
			For Hot Water Heating Coil, Copper Fins, Add	2,592.15	
			For Variable Air Volume, Add	968.78	
			For Economizer, Panel, Controls And Damper(s), Add	1,686.16	
			For 2 Coils, Independent Circuits, Add	1,000.59	
23 73 13 00-0012	EA		2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	9,300.84	1,282.06
			For Flat Filter Box And Throwaway Filters, Add	838.52	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,622.10	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,423.99	
			For Manual Roll Filter, Add	4,291.38	
			For Automatic Roll Filter, Add	4,664.86	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,050.52	
			For Electric Heating Coil, Add	3,544.43	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	3,544.43	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,170.95	
			For Steam Heating Coil, Aluminum Fins, Add	2,797.47	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,332.43	
			For Chilled Water Cooling Coil, Copper Fins, Add	4,291.38	
			For Direct Expansion Cooling Coil, Copper Fins, Add	3,917.90	
			For Hot Water Heating Coil, Copper Fins, Add	2,797.47	
			For Variable Air Volume, Add	1,045.74	
			For Economizer, Panel, Controls And Damper(s), Add	1,757.21	
			For 2 Coils, Independent Circuits, Add	1,079.48	
23 73 13 00-0013	EA		3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	10,818.23	1,484.00
			For Flat Filter Box And Throwaway Filters, Add	975.83	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,888.06	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,821.48	
			For Manual Roll Filter, Add	4,996.06	
			For Automatic Roll Filter, Add	5,430.97	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,386.57	
			For Electric Heating Coil, Add	4,126.23	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	4,126.23	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,691.31	
			For Steam Heating Coil, Aluminum Fins, Add	3,256.40	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,715.49	
			For Chilled Water Cooling Coil, Copper Fins, Add	4,996.06	
			For Direct Expansion Cooling Coil, Copper Fins, Add	4,561.14	
			For Hot Water Heating Coil, Copper Fins, Add	3,256.40	
			For Variable Air Volume, Add	1,217.76	
			For Economizer, Panel, Controls And Damper(s), Add	1,915.96	
			For 2 Coils, Independent Circuits, Add	1,255.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0014 EA 3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	11,332.89	1,594.78
For Flat Filter Box And Throwaway Filters, Add	1,019.34	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,970.32	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,944.09	
For Manual Roll Filter, Add	5,207.59	
For Automatic Roll Filter, Add	5,660.29	
For Hot Water Heating Coil, Aluminum Fins, Add	2,491.39	
For Electric Heating Coil, Add	4,302.19	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,302.19	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,849.49	
For Steam Heating Coil, Aluminum Fins, Add	3,396.79	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,830.14	
For Chilled Water Cooling Coil, Copper Fins, Add	5,207.59	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,754.89	
For Hot Water Heating Coil, Copper Fins, Add	3,396.79	
For Variable Air Volume, Add	1,267.56	
For Economizer, Panel, Controls And Damper(s), Add	2,003.39	
For 2 Coils, Independent Circuits, Add	1,314.37	
23 73 13 00-0015 EA 3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	11,858.16	1,713.92
For Flat Filter Box And Throwaway Filters, Add	1,063.39	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,053.33	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,067.75	
For Manual Roll Filter, Add	5,420.18	
For Automatic Roll Filter, Add	5,890.66	
For Hot Water Heating Coil, Aluminum Fins, Add	2,597.27	
For Electric Heating Coil, Add	4,479.21	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,479.21	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,008.72	
For Steam Heating Coil, Aluminum Fins, Add	3,538.24	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,945.33	
For Chilled Water Cooling Coil, Copper Fins, Add	5,420.18	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,949.69	
For Hot Water Heating Coil, Copper Fins, Add	3,538.24	
For Variable Air Volume, Add	1,317.36	
For Economizer, Panel, Controls And Damper(s), Add	2,096.66	
For 2 Coils, Independent Circuits, Add	1,374.01	
23 73 13 00-0016 EA 4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	13,013.31	1,978.66
For Flat Filter Box And Throwaway Filters, Add	1,159.95	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,235.08	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,338.48	
For Manual Roll Filter, Add	5,884.91	
For Automatic Roll Filter, Add	6,394.20	
For Hot Water Heating Coil, Aluminum Fins, Add	2,829.19	
For Electric Heating Coil, Add	4,866.34	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,866.34	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,357.05	
For Steam Heating Coil, Aluminum Fins, Add	3,847.77	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,197.10	
For Chilled Water Cooling Coil, Copper Fins, Add	5,884.91	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,375.63	
For Hot Water Heating Coil, Copper Fins, Add	3,847.77	
For Variable Air Volume, Add	1,426.00	
For Economizer, Panel, Controls And Damper(s), Add	2,071.03	
For 2 Coils, Independent Circuits, Add	1,505.05	
23 73 13 00-0017 EA 4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	13,013.31	1,978.66
For Flat Filter Box And Throwaway Filters, Add	1,159.95	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,235.08	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,338.48	
For Manual Roll Filter, Add	5,884.91	
For Automatic Roll Filter, Add	6,394.20	
For Hot Water Heating Coil, Aluminum Fins, Add	2,829.19	
For Electric Heating Coil, Add	4,866.34	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,866.34	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,357.05	
For Steam Heating Coil, Aluminum Fins, Add	3,847.77	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,197.10	
For Chilled Water Cooling Coil, Copper Fins, Add	5,884.91	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,375.63	
For Hot Water Heating Coil, Copper Fins, Add	3,847.77	
For Variable Air Volume, Add	1,426.00	
For Economizer, Panel, Controls And Damper(s), Add	2,071.03	
For 2 Coils, Independent Circuits, Add	1,505.05	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0018	EA		5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	14,273.79	2,272.68
			For Flat Filter Box And Throwaway Filters, Add	1,265.01	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,432.61	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,632.67	
			For Manual Roll Filter, Add	6,389.29	
			For Automatic Roll Filter, Add	6,940.61	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,081.35	
			For Electric Heating Coil, Add	5,286.64	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	5,286.64	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,735.32	
			For Steam Heating Coil, Aluminum Fins, Add	4,184.00	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,470.31	
			For Chilled Water Cooling Coil, Copper Fins, Add	6,389.29	
			For Direct Expansion Cooling Coil, Copper Fins, Add	5,837.97	
			For Hot Water Heating Coil, Copper Fins, Add	4,184.00	
			For Variable Air Volume, Add	1,543.71	
			For Economizer, Panel, Controls And Damper(s), Add	2,238.93	
			For 2 Coils, Independent Circuits, Add	1,647.91	
23 73 13 00-0019	EA		5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	15,002.38	2,465.67
			For Flat Filter Box And Throwaway Filters, Add	1,324.08	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,542.46	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,796.07	
			For Manual Roll Filter, Add	6,665.86	
			For Automatic Roll Filter, Add	7,239.82	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,222.11	
			For Electric Heating Coil, Add	5,517.95	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	5,517.95	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,943.99	
			For Steam Heating Coil, Aluminum Fins, Add	4,370.03	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,619.91	
			For Chilled Water Cooling Coil, Copper Fins, Add	6,665.86	
			For Direct Expansion Cooling Coil, Copper Fins, Add	6,091.91	
			For Hot Water Heating Coil, Copper Fins, Add	4,370.03	
			For Variable Air Volume, Add	1,607.08	
			For Economizer, Panel, Controls And Damper(s), Add	2,349.28	
			For 2 Coils, Independent Circuits, Add	1,729.82	
23 73 13 00-0020	EA		6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	15,716.30	2,648.90
			For Flat Filter Box And Throwaway Filters, Add	1,382.41	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,651.28	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,958.00	
			For Manual Roll Filter, Add	6,940.97	
			For Automatic Roll Filter, Add	7,537.57	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,361.41	
			For Electric Heating Coil, Add	5,747.78	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	5,747.78	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,151.19	
			For Steam Heating Coil, Aluminum Fins, Add	4,554.60	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,768.78	
			For Chilled Water Cooling Coil, Copper Fins, Add	6,940.97	
			For Direct Expansion Cooling Coil, Copper Fins, Add	6,344.38	
			For Hot Water Heating Coil, Copper Fins, Add	4,554.60	
			For Variable Air Volume, Add	1,670.46	
			For Economizer, Panel, Controls And Damper(s), Add	2,453.77	
			For 2 Coils, Independent Circuits, Add	1,810.27	
23 73 13 00-0021	EA		6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	16,434.64	2,835.63
			For Flat Filter Box And Throwaway Filters, Add	1,440.96	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,760.42	
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,120.38	
			For Manual Roll Filter, Add	7,216.52	
			For Automatic Roll Filter, Add	7,835.75	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,501.15	
			For Electric Heating Coil, Add	5,978.06	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	5,978.06	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,358.84	
			For Steam Heating Coil, Aluminum Fins, Add	4,739.61	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,917.87	
			For Chilled Water Cooling Coil, Copper Fins, Add	7,216.52	
			For Direct Expansion Cooling Coil, Copper Fins, Add	6,597.29	
			For Hot Water Heating Coil, Copper Fins, Add	4,739.61	
			For Variable Air Volume, Add	1,733.84	
			For Economizer, Panel, Controls And Damper(s), Add	2,560.03	
			For 2 Coils, Independent Circuits, Add	1,891.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0022 EA 7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	17,262.53	3,052.30
For Flat Filter Box And Throwaway Filters, Add	1,508.22	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,885.63	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,306.64	
For Manual Roll Filter, Add	7,532.13	
For Automatic Roll Filter, Add	8,177.22	
For Hot Water Heating Coil, Aluminum Fins, Add	3,661.54	
For Electric Heating Coil, Add	6,241.93	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,241.93	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,596.84	
For Steam Heating Coil, Aluminum Fins, Add	4,951.74	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,088.61	
For Chilled Water Cooling Coil, Copper Fins, Add	7,532.13	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,887.03	
For Hot Water Heating Coil, Copper Fins, Add	4,951.74	
For Variable Air Volume, Add	1,806.27	
For Economizer, Panel, Controls And Damper(s), Add	2,684.24	
For 2 Coils, Independent Circuits, Add	1,984.29	
23 73 13 00-0023 EA 7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	18,103.10	3,270.37
For Flat Filter Box And Throwaway Filters, Add	1,576.12	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,011.73	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,494.17	
For Manual Roll Filter, Add	7,849.00	
For Automatic Roll Filter, Add	8,519.97	
For Hot Water Heating Coil, Aluminum Fins, Add	3,823.21	
For Electric Heating Coil, Add	6,507.07	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,507.07	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,836.10	
For Steam Heating Coil, Aluminum Fins, Add	5,165.14	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,259.98	
For Chilled Water Cooling Coil, Copper Fins, Add	7,849.00	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,178.03	
For Hot Water Heating Coil, Copper Fins, Add	5,165.14	
For Variable Air Volume, Add	1,878.70	
For Economizer, Panel, Controls And Damper(s), Add	2,585.14	
For 2 Coils, Independent Circuits, Add	2,078.70	
23 73 13 00-0024 EA 8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	18,969.84	3,521.78
For Flat Filter Box And Throwaway Filters, Add	1,645.33	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,139.66	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,684.32	
For Manual Roll Filter, Add	8,168.49	
For Automatic Roll Filter, Add	8,865.33	
For Hot Water Heating Coil, Aluminum Fins, Add	3,987.49	
For Electric Heating Coil, Add	6,774.83	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,774.83	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,077.99	
For Steam Heating Coil, Aluminum Fins, Add	5,381.16	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,432.66	
For Chilled Water Cooling Coil, Copper Fins, Add	8,168.49	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,471.66	
For Hot Water Heating Coil, Copper Fins, Add	5,381.16	
For Variable Air Volume, Add	1,951.14	
For Economizer, Panel, Controls And Damper(s), Add	2,689.95	
For 2 Coils, Independent Circuits, Add	2,175.72	
23 73 13 00-0025 EA 9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	19,957.55	3,815.21
For Flat Filter Box And Throwaway Filters, Add	1,723.81	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,284.46	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,899.50	
For Manual Roll Filter, Add	8,529.18	
For Automatic Roll Filter, Add	9,255.12	
For Hot Water Heating Coil, Aluminum Fins, Add	4,173.56	
For Electric Heating Coil, Add	7,077.31	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,077.31	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,351.37	
For Steam Heating Coil, Aluminum Fins, Add	5,625.44	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,627.56	
For Chilled Water Cooling Coil, Copper Fins, Add	8,529.18	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,803.25	
For Hot Water Heating Coil, Copper Fins, Add	5,625.44	
For Variable Air Volume, Add	2,032.62	
For Economizer, Panel, Controls And Damper(s), Add	2,811.65	
For 2 Coils, Independent Circuits, Add	2,286.13	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0026 EA 10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 20,921.26	20,921.26	4,073.38
For Flat Filter Box And Throwaway Filters, Add	1,801.10	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,427.59	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,112.28	
For Manual Roll Filter, Add	8,887.47	
For Automatic Roll Filter, Add	9,642.51	
For Hot Water Heating Coil, Aluminum Fins, Add	4,357.24	
For Electric Heating Coil, Add	7,377.40	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,377.40	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,622.36	
For Steam Heating Coil, Aluminum Fins, Add	5,867.32	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,821.26	
For Chilled Water Cooling Coil, Copper Fins, Add	8,887.47	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,132.43	
For Hot Water Heating Coil, Copper Fins, Add	5,867.32	
For Variable Air Volume, Add	2,114.11	
For Economizer, Panel, Controls And Damper(s), Add	2,926.15	
For 2 Coils, Independent Circuits, Add	2,394.14	
23 73 13 00-0027 EA 11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 21,007.05	21,007.05	3,944.09
For Flat Filter Box And Throwaway Filters, Add	1,819.94	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,471.43	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,179.06	
For Manual Roll Filter, Add	9,027.01	
For Automatic Roll Filter, Add	9,796.60	
For Hot Water Heating Coil, Aluminum Fins, Add	4,409.47	
For Electric Heating Coil, Add	7,487.83	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,487.83	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,718.24	
For Steam Heating Coil, Aluminum Fins, Add	5,948.65	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,898.30	
For Chilled Water Cooling Coil, Copper Fins, Add	9,027.01	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,257.42	
For Hot Water Heating Coil, Copper Fins, Add	5,948.65	
For Variable Air Volume, Add	2,154.85	
For Economizer, Panel, Controls And Damper(s), Add	2,864.58	
For 2 Coils, Independent Circuits, Add	2,408.54	
23 73 13 00-0028 EA 12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 21,932.76	21,932.76	4,375.86
For Flat Filter Box And Throwaway Filters, Add	1,880.78	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,574.06	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,329.84	
For Manual Roll Filter, Add	9,250.54	
For Automatic Roll Filter, Add	10,034.68	
For Hot Water Heating Coil, Aluminum Fins, Add	4,545.70	
For Electric Heating Coil, Add	7,682.26	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,682.26	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,898.12	
For Steam Heating Coil, Aluminum Fins, Add	6,113.98	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,017.34	
For Chilled Water Cooling Coil, Copper Fins, Add	9,250.54	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,466.40	
For Hot Water Heating Coil, Copper Fins, Add	6,113.98	
For Variable Air Volume, Add	2,195.59	
For Economizer, Panel, Controls And Damper(s), Add	3,054.99	
For 2 Coils, Independent Circuits, Add	2,506.93	
23 73 13 00-0029 EA 13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 23,094.08	23,094.08	4,551.63
For Flat Filter Box And Throwaway Filters, Add	1,985.73	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,777.26	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,633.52	
For Manual Roll Filter, Add	9,788.66	
For Automatic Roll Filter, Add	10,619.68	
For Hot Water Heating Coil, Aluminum Fins, Add	4,802.49	
For Electric Heating Coil, Add	8,126.60	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,126.60	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,295.57	
For Steam Heating Coil, Aluminum Fins, Add	6,464.55	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,309.84	
For Chilled Water Cooling Coil, Copper Fins, Add	9,788.66	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,957.63	
For Hot Water Heating Coil, Copper Fins, Add	6,464.55	
For Variable Air Volume, Add	2,326.88	
For Economizer, Panel, Controls And Damper(s), Add	2,694.71	
For 2 Coils, Independent Circuits, Add	2,641.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0030 EA 15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	24,317.56 2,093.79 3,984.81 5,943.41 10,332.98 11,210.90 5,065.50 8,577.15 8,577.15 7,699.24 6,821.33 5,605.45 10,332.98 9,455.07 6,821.33 2,458.16 2,751.86 2,782.92	4,727.90
23 73 13 00-0031 EA 16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	25,612.68 2,211.90 4,214.18 6,286.34 10,942.68 11,873.95 5,355.07 9,080.14 9,080.14 8,148.88 7,217.61 5,936.97 10,942.68 10,011.41 7,217.61 2,607.55 2,797.46 2,933.78	4,909.74
23 73 13 00-0032 EA 17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	26,963.33 2,332.79 4,447.45 6,634.82 11,557.93 12,542.55 5,650.20 9,588.69 9,588.69 8,604.07 7,619.44 6,271.28 11,557.93 10,573.31 7,619.44 2,756.94 2,854.18 3,090.18	5,091.78
23 73 13 00-0033 EA 20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	30,049.87 2,614.84 4,995.60 8,566.73 12,348.71 13,016.12 5,229.68 5,674.62 9,679.08 8,566.73 7,454.38 5,951.89 11,903.77 10,791.42 8,566.73 3,114.57 3,100.51 3,449.93	5,458.75

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0034	EA		22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 33,333.28	33,333.28	5,883.05
			For Flat Filter Box And Throwaway Filters, Add	2,911.59	
			For Medium Capacity Filter Box And Throwaway Filters, Add	5,570.13	
			For Combination Filter Mixing Box And Throwaway Filters, Add	9,557.95	
			For Manual Roll Filter, Add	13,790.69	
			For Automatic Roll Filter, Add	14,537.65	
			For Hot Water Heating Coil, Aluminum Fins, Add	5,823.18	
			For Electric Heating Coil, Add	6,321.15	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	10,802.88	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,557.95	
			For Steam Heating Coil, Aluminum Fins, Add	8,313.03	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	6,646.36	
			For Chilled Water Cooling Coil, Copper Fins, Add	13,292.72	
			For Direct Expansion Cooling Coil, Copper Fins, Add	12,047.80	
			For Hot Water Heating Coil, Copper Fins, Add	9,557.95	
			For Variable Air Volume, Add	3,485.79	
			For Economizer, Panel, Controls And Damper(s), Add	3,211.09	
			For 2 Coils, Independent Circuits, Add	3,831.30	
23 73 13 00-0035	EA		25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 36,917.53	36,917.53	6,303.57
			For Flat Filter Box And Throwaway Filters, Add	3,241.16	
			For Medium Capacity Filter Box And Throwaway Filters, Add	6,211.97	
			For Combination Filter Mixing Box And Throwaway Filters, Add	10,668.18	
			For Manual Roll Filter, Add	15,412.15	
			For Automatic Roll Filter, Add	16,249.32	
			For Hot Water Heating Coil, Aluminum Fins, Add	6,482.32	
			For Electric Heating Coil, Add	7,040.44	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	12,063.47	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,668.18	
			For Steam Heating Coil, Aluminum Fins, Add	9,272.90	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	7,427.02	
			For Chilled Water Cooling Coil, Copper Fins, Add	14,854.04	
			For Direct Expansion Cooling Coil, Copper Fins, Add	13,458.75	
			For Hot Water Heating Coil, Copper Fins, Add	10,668.18	
			For Variable Air Volume, Add	3,906.80	
			For Economizer, Panel, Controls And Damper(s), Add	3,312.07	
			For 2 Coils, Independent Circuits, Add	4,249.87	
23 73 13 00-0036	EA		27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 45,393.14	45,393.14	6,788.77
			For Flat Filter Box And Throwaway Filters, Add	4,054.59	
			For Medium Capacity Filter Box And Throwaway Filters, Add	7,818.34	
			For Combination Filter Mixing Box And Throwaway Filters, Add	13,463.97	
			For Manual Roll Filter, Add	19,532.73	
			For Automatic Roll Filter, Add	20,603.69	
			For Hot Water Heating Coil, Aluminum Fins, Add	8,109.18	
			For Electric Heating Coil, Add	8,823.15	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	15,248.90	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	13,463.97	
			For Steam Heating Coil, Aluminum Fins, Add	11,679.04	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	9,409.38	
			For Chilled Water Cooling Coil, Copper Fins, Add	18,818.76	
			For Direct Expansion Cooling Coil, Copper Fins, Add	17,033.83	
			For Hot Water Heating Coil, Copper Fins, Add	13,463.97	
			For Variable Air Volume, Add	4,997.81	
			For Economizer, Panel, Controls And Damper(s), Add	3,431.54	
			For 2 Coils, Independent Circuits, Add	5,253.29	
23 73 13 00-0037	EA		30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 50,698.75	50,698.75	7,246.01
			For Flat Filter Box And Throwaway Filters, Add	4,552.69	
			For Medium Capacity Filter Box And Throwaway Filters, Add	8,795.06	
			For Combination Filter Mixing Box And Throwaway Filters, Add	15,158.61	
			For Manual Roll Filter, Add	22,018.95	
			For Automatic Roll Filter, Add	23,229.60	
			For Hot Water Heating Coil, Aluminum Fins, Add	9,105.37	
			For Electric Heating Coil, Add	9,912.47	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	17,176.36	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	15,158.61	
			For Steam Heating Coil, Aluminum Fins, Add	13,140.87	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	10,605.93	
			For Chilled Water Cooling Coil, Copper Fins, Add	21,211.86	
			For Direct Expansion Cooling Coil, Copper Fins, Add	19,194.11	
			For Hot Water Heating Coil, Copper Fins, Add	15,158.61	
			For Variable Air Volume, Add	5,649.69	
			For Economizer, Panel, Controls And Damper(s), Add	3,316.57	
			For 2 Coils, Independent Circuits, Add	5,876.97	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0038 EA 32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	55,538.35 4,996.76 9,659.28 16,653.06 24,200.54 25,532.44 9,993.53 10,881.46 18,872.91 16,653.06 14,433.22 11,656.30 23,312.60 21,092.75 16,653.06 6,215.57 3,436.22 6,441.77	7,802.89
23 73 13 00-0039 EA 35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	60,932.00 5,487.95 10,612.74 18,299.93 26,600.50 28,065.31 10,975.89 11,952.43 20,741.27 18,299.93 15,858.58 12,811.98 25,623.96 23,182.62 18,299.93 6,835.77 3,580.77 7,069.74	8,744.96
23 73 13 00-0040 EA 37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	65,572.98 5,915.63 11,446.25 19,742.18 28,707.90 30,290.08 11,831.25 12,886.04 22,379.15 19,742.18 17,105.20 13,826.55 27,653.11 25,016.13 19,742.18 7,383.53 3,690.02 7,612.09	8,987.70
23 73 13 00-0041 EA 40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	70,724.36 6,383.38 12,353.32 21,308.23 30,988.56 32,696.86 12,766.75 13,905.62 24,155.38 21,308.23 18,461.07 14,924.85 29,849.70 27,002.54 21,308.23 7,972.04 3,552.65 8,211.30	9,614.65

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0042 EA 45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	76,333.24 6,891.79 13,338.65 23,008.95 33,464.37 35,309.45 13,783.57 15,013.62 26,084.07 23,008.95 19,933.82 16,117.16 32,234.32 29,159.20 23,008.95 8,610.35 3,683.84 8,863.37	10,381.13
23 73 13 00-0043 EA 47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	79,522.47 7,177.36 13,889.78 23,958.42 34,842.61 36,763.35 14,354.72 15,635.21 27,159.65 23,958.42 20,757.18 16,781.06 33,562.12 30,360.89 23,958.42 8,963.46 3,767.22 9,232.74	10,868.73
23 73 13 00-0044 EA 50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	82,528.62 7,447.31 14,411.28 24,857.24 36,148.22 38,140.75 14,894.61 16,222.96 28,178.12 24,857.24 21,536.37 17,409.94 34,819.87 31,498.99 24,857.24 9,298.45 3,843.89 9,581.21	11,286.76
23 73 13 00-0045 EA 55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	88,979.35 8,036.61 15,556.43 26,836.16 39,034.16 41,186.74 16,073.23 17,508.28 30,423.81 26,836.16 23,248.52 18,799.55 37,599.10 34,011.45 26,836.16 10,045.41 3,983.31 10,332.99	12,053.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0046 EA 60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	97,330.66 8,811.49 17,070.03 29,457.84 42,870.69 45,237.66 17,622.98 19,200.96 33,402.80 29,457.84 25,512.89 20,646.35 41,292.71 37,347.75 29,457.84 11,045.87 3,743.16 11,311.05	12,889.20
23 73 13 00-0047 EA 65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .... <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	106,695.11 9,674.21 18,751.23 32,366.76 47,120.90 49,724.57 19,348.41 21,084.19 36,706.21 32,366.76 28,027.31 22,692.56 45,385.12 41,045.66 32,366.76 12,150.46 3,890.61 12,405.29	13,934.27
23 73 13 00-0048 EA 70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .... <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	117,124.35 10,630.58 20,612.06 35,584.27 51,817.11 54,681.73 21,261.17 23,170.91 40,358.63 35,584.27 30,809.90 24,953.68 49,907.36 45,133.00 35,584.27 13,368.22 4,063.70 13,622.18	15,118.68
<b>23 73 13 00-0049 Multi-Zone Units</b> <small>(23 73 13)</small> Note: Horizontal/vertical blow-thru fan, motor and cabinet.		
23 73 13 00-0050 EA 1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan ..... <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	6,964.63 1,893.64 606.92 1,160.11 1,472.52 3,024.63 3,024.63 696.46 799.94 2,507.26 2,507.26 3,024.63 3,024.63 799.94	1,253.89
23 73 13 00-0051 EA 1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan ..... <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	8,679.01 2,210.95 755.69 1,444.05 1,833.12 3,763.56 3,763.56 867.90 996.60 3,120.08 3,120.08 3,763.56 3,763.56 996.60	1,570.89

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0052	EA		1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	10,730.86	1,671.92
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,311.78	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	953.67	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,835.70	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,324.48	
			<i>For Manual Roll Filter, Add</i>	4,827.26	
			<i>For Automatic Roll Filter, Add</i>	4,827.26	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,073.09	
			<i>For Electric Heating Coil, Add</i>	1,239.94	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,993.00	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	3,993.00	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	4,827.26	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	4,827.26	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,239.94	
23 73 13 00-0053	EA		2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	11,158.29	1,790.35
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,429.89	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	987.98	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,899.25	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,406.02	
			<i>For Manual Roll Filter, Add</i>	4,986.41	
			<i>For Automatic Roll Filter, Add</i>	4,986.41	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,115.83	
			<i>For Electric Heating Coil, Add</i>	1,287.86	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	4,126.28	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	4,126.28	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	4,986.41	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	4,986.41	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,287.86	
23 73 13 00-0054	EA		2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	13,056.97	1,919.25
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,559.32	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,168.60	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	2,254.95	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,852.96	
			<i>For Manual Roll Filter, Add</i>	5,947.49	
			<i>For Automatic Roll Filter, Add</i>	5,947.49	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,305.70	
			<i>For Electric Heating Coil, Add</i>	1,512.00	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	4,915.98	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	4,915.98	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	5,947.49	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	5,947.49	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,512.00	
23 73 13 00-0055	EA		3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	13,768.46	2,055.30
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,695.20	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,230.05	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	2,372.01	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	3,001.72	
			<i>For Manual Roll Filter, Add</i>	6,251.45	
			<i>For Automatic Roll Filter, Add</i>	6,251.45	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,376.85	
			<i>For Electric Heating Coil, Add</i>	1,593.50	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	5,168.21	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	5,168.21	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	6,251.45	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	6,251.45	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,593.50	
23 73 13 00-0056	EA		3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	14,516.99	2,194.55
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,834.37	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,294.96	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	2,495.87	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	3,159.02	
			<i>For Manual Roll Filter, Add</i>	6,573.68	
			<i>For Automatic Roll Filter, Add</i>	6,573.68	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,451.70	
			<i>For Electric Heating Coil, Add</i>	1,679.34	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	5,435.46	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	5,435.46	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	6,573.68	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	6,573.68	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,679.34	
23 73 13 00-0057	EA		4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	16,194.12	2,354.89
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,596.27	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,451.57	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	2,802.43	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	3,545.00	
			<i>For Manual Roll Filter, Add</i>	7,396.18	
			<i>For Automatic Roll Filter, Add</i>	7,396.18	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,619.41	
			<i>For Electric Heating Coil, Add</i>	1,876.16	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	6,112.46	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	6,112.46	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	7,396.18	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	7,396.18	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,876.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0058 EA 4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	17,701.28	2,521.90
For Economizer, Panel, Controls And Damper(s), Add	2,731.61	
For Flat Filter Box And Throwaway Filters, Add	1,589.98	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,071.88	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,884.88	
For Manual Roll Filter, Add	8,114.39	
For Automatic Roll Filter, Add	8,114.39	
For Hot Water Heating Coil, Aluminum Fins, Add	1,770.13	
For Electric Heating Coil, Add	2,052.10	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,704.55	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,704.55	
For Chilled Water Cooling Coil, Copper Fins, Add	8,114.39	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,114.39	
For 2 Coils, Independent Circuits, Add	2,052.10	
23 73 13 00-0059 EA 5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	18,713.59	2,693.49
For Economizer, Panel, Controls And Damper(s), Add	2,861.54	
For Flat Filter Box And Throwaway Filters, Add	1,679.40	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,243.63	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,102.52	
For Manual Roll Filter, Add	8,564.85	
For Automatic Roll Filter, Add	8,564.85	
For Hot Water Heating Coil, Aluminum Fins, Add	1,871.36	
For Electric Heating Coil, Add	2,168.85	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,077.41	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,077.41	
For Chilled Water Cooling Coil, Copper Fins, Add	8,564.85	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,564.85	
For 2 Coils, Independent Circuits, Add	2,168.85	
23 73 13 00-0060 EA 5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	20,636.37	2,877.63
For Economizer, Panel, Controls And Damper(s), Add	3,012.06	
For Flat Filter Box And Throwaway Filters, Add	1,858.00	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,592.61	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,542.17	
For Manual Roll Filter, Add	9,499.23	
For Automatic Roll Filter, Add	9,499.23	
For Hot Water Heating Coil, Aluminum Fins, Add	2,063.64	
For Electric Heating Coil, Add	2,394.11	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,846.88	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,846.88	
For Chilled Water Cooling Coil, Copper Fins, Add	9,499.23	
For Direct Expansion Cooling Coil, Copper Fins, Add	9,499.23	
For 2 Coils, Independent Circuits, Add	2,394.11	
23 73 13 00-0061 EA 6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	21,957.42	3,079.67
For Economizer, Panel, Controls And Damper(s), Add	3,169.53	
For Flat Filter Box And Throwaway Filters, Add	1,975.79	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,819.60	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,829.48	
For Manual Roll Filter, Add	10,096.97	
For Automatic Roll Filter, Add	10,096.97	
For Hot Water Heating Coil, Aluminum Fins, Add	2,195.74	
For Electric Heating Coil, Add	2,546.91	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,341.14	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,341.14	
For Chilled Water Cooling Coil, Copper Fins, Add	10,096.97	
For Direct Expansion Cooling Coil, Copper Fins, Add	10,096.97	
For 2 Coils, Independent Circuits, Add	2,546.91	
23 73 13 00-0062 EA 6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	24,078.05	3,344.23
For Economizer, Panel, Controls And Damper(s), Add	3,375.50	
For Flat Filter Box And Throwaway Filters, Add	2,169.12	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,195.04	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,303.47	
For Manual Roll Filter, Add	11,094.79	
For Automatic Roll Filter, Add	11,094.79	
For Hot Water Heating Coil, Aluminum Fins, Add	2,407.81	
For Electric Heating Coil, Add	2,793.89	
For Chilled Water Cooling Coil, Aluminum Fins, Add	9,164.35	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,164.35	
For Chilled Water Cooling Coil, Copper Fins, Add	11,094.79	
For Direct Expansion Cooling Coil, Copper Fins, Add	11,094.79	
For 2 Coils, Independent Circuits, Add	2,793.89	
23 73 13 00-0063 EA 7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	25,870.87	3,602.11
For Economizer, Panel, Controls And Damper(s), Add	3,579.03	
For Flat Filter Box And Throwaway Filters, Add	2,329.90	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,505.49	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,696.16	
For Manual Roll Filter, Add	11,914.32	
For Automatic Roll Filter, Add	11,914.32	
For Hot Water Heating Coil, Aluminum Fins, Add	2,587.09	
For Electric Heating Coil, Add	3,001.63	
For Chilled Water Cooling Coil, Aluminum Fins, Add	9,841.60	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,841.60	
For Chilled Water Cooling Coil, Copper Fins, Add	11,914.32	
For Direct Expansion Cooling Coil, Copper Fins, Add	11,914.32	
For 2 Coils, Independent Circuits, Add	3,001.63	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0064 EA 7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	27,152.85	3,894.63
For Economizer, Panel, Controls And Damper(s), Add	3,161.04	
For Flat Filter Box And Throwaway Filters, Add	2,437.66	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,708.73	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,955.32	
For Manual Roll Filter, Add	12,435.40	
For Automatic Roll Filter, Add	12,435.40	
For Hot Water Heating Coil, Aluminum Fins, Add	2,715.29	
For Electric Heating Coil, Add	3,147.29	
For Chilled Water Cooling Coil, Aluminum Fins, Add	10,275.37	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,275.37	
For Chilled Water Cooling Coil, Copper Fins, Add	12,435.40	
For Direct Expansion Cooling Coil, Copper Fins, Add	12,435.40	
For 2 Coils, Independent Circuits, Add	3,147.29	
23 73 13 00-0065 EA 8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	30,127.29	4,200.99
For Economizer, Panel, Controls And Damper(s), Add	3,341.94	
For Flat Filter Box And Throwaway Filters, Add	2,712.49	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,244.83	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,631.09	
For Manual Roll Filter, Add	13,867.82	
For Automatic Roll Filter, Add	13,867.82	
For Hot Water Heating Coil, Aluminum Fins, Add	3,012.73	
For Electric Heating Coil, Add	3,495.18	
For Chilled Water Cooling Coil, Aluminum Fins, Add	11,455.58	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,455.58	
For Chilled Water Cooling Coil, Copper Fins, Add	13,867.82	
For Direct Expansion Cooling Coil, Copper Fins, Add	13,867.82	
For 2 Coils, Independent Circuits, Add	3,495.18	
23 73 13 00-0066 EA 8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	31,727.71	4,528.44
For Economizer, Panel, Controls And Damper(s), Add	3,529.41	
For Flat Filter Box And Throwaway Filters, Add	2,849.09	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,503.98	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,960.90	
For Manual Roll Filter, Add	14,537.15	
For Automatic Roll Filter, Add	14,537.15	
For Hot Water Heating Coil, Aluminum Fins, Add	3,172.77	
For Electric Heating Coil, Add	3,677.85	
For Chilled Water Cooling Coil, Aluminum Fins, Add	12,011.73	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,011.73	
For Chilled Water Cooling Coil, Copper Fins, Add	14,537.15	
For Direct Expansion Cooling Coil, Copper Fins, Add	14,537.15	
For 2 Coils, Independent Circuits, Add	3,677.85	
23 73 13 00-0067 EA 9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	33,499.87	4,904.86
For Economizer, Panel, Controls And Damper(s), Add	3,733.84	
For Flat Filter Box And Throwaway Filters, Add	3,000.76	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,791.98	
For Combination Filter Mixing Box And Throwaway Filters, Add	7,327.28	
For Manual Roll Filter, Add	15,281.86	
For Automatic Roll Filter, Add	15,281.86	
For Hot Water Heating Coil, Aluminum Fins, Add	3,349.99	
For Electric Heating Coil, Add	3,880.29	
For Chilled Water Cooling Coil, Aluminum Fins, Add	12,630.33	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,630.33	
For Chilled Water Cooling Coil, Copper Fins, Add	15,281.86	
For Direct Expansion Cooling Coil, Copper Fins, Add	15,281.86	
For 2 Coils, Independent Circuits, Add	3,880.29	
23 73 13 00-0068 EA 10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	35,409.90	5,294.72
For Economizer, Panel, Controls And Damper(s), Add	3,450.66	
For Flat Filter Box And Throwaway Filters, Add	3,162.55	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,098.03	
For Combination Filter Mixing Box And Throwaway Filters, Add	7,717.15	
For Manual Roll Filter, Add	16,069.46	
For Automatic Roll Filter, Add	16,069.46	
For Hot Water Heating Coil, Aluminum Fins, Add	3,540.99	
For Electric Heating Coil, Add	4,097.81	
For Chilled Water Cooling Coil, Aluminum Fins, Add	13,285.35	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	13,285.35	
For Chilled Water Cooling Coil, Copper Fins, Add	16,069.46	
For Direct Expansion Cooling Coil, Copper Fins, Add	16,069.46	
For 2 Coils, Independent Circuits, Add	4,097.81	
23 73 13 00-0069 EA 11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	36,407.72	5,497.07
For Economizer, Panel, Controls And Damper(s), Add	3,541.44	
For Flat Filter Box And Throwaway Filters, Add	3,247.20	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,258.25	
For Combination Filter Mixing Box And Throwaway Filters, Add	7,921.21	
For Manual Roll Filter, Add	16,482.08	
For Automatic Roll Filter, Add	16,482.08	
For Hot Water Heating Coil, Aluminum Fins, Add	3,640.77	
For Electric Heating Coil, Add	4,211.50	
For Chilled Water Cooling Coil, Aluminum Fins, Add	13,628.46	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	13,628.46	
For Chilled Water Cooling Coil, Copper Fins, Add	16,482.08	
For Direct Expansion Cooling Coil, Copper Fins, Add	16,482.08	
For 2 Coils, Independent Circuits, Add	4,211.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0070 EA 12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	37,360.10	5,693.24
For Economizer, Panel, Controls And Damper(s), Add	3,618.59	
For Flat Filter Box And Throwaway Filters, Add	3,329.58	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,415.30	
For Combination Filter Mixing Box And Throwaway Filters, Add	8,120.73	
For Manual Roll Filter, Add	16,890.17	
For Automatic Roll Filter, Add	16,890.17	
For Hot Water Heating Coil, Aluminum Fins, Add	3,736.01	
For Electric Heating Coil, Add	4,320.64	
For Chilled Water Cooling Coil, Aluminum Fins, Add	13,967.02	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	13,967.02	
For Chilled Water Cooling Coil, Copper Fins, Add	16,890.17	
For Direct Expansion Cooling Coil, Copper Fins, Add	16,890.17	
For 2 Coils, Independent Circuits, Add	4,320.64	
23 73 13 00-0071 EA 13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	42,241.19	5,922.07
For Economizer, Panel, Controls And Damper(s), Add	3,096.54	
For Flat Filter Box And Throwaway Filters, Add	3,799.98	
For Medium Capacity Filter Box And Throwaway Filters, Add	7,345.48	
For Combination Filter Mixing Box And Throwaway Filters, Add	9,287.89	
For Manual Roll Filter, Add	19,415.43	
For Automatic Roll Filter, Add	19,415.43	
For Hot Water Heating Coil, Aluminum Fins, Add	4,224.12	
For Electric Heating Coil, Add	4,899.29	
For Chilled Water Cooling Coil, Aluminum Fins, Add	16,039.58	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,039.58	
For Chilled Water Cooling Coil, Copper Fins, Add	19,415.43	
For Direct Expansion Cooling Coil, Copper Fins, Add	19,415.43	
For 2 Coils, Independent Circuits, Add	4,899.29	
23 73 13 00-0072 EA 15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	47,084.82	6,156.66
For Economizer, Panel, Controls And Damper(s), Add	3,274.89	
For Flat Filter Box And Throwaway Filters, Add	4,268.51	
For Medium Capacity Filter Box And Throwaway Filters, Add	8,273.05	
For Combination Filter Mixing Box And Throwaway Filters, Add	10,451.30	
For Manual Roll Filter, Add	21,936.94	
For Automatic Roll Filter, Add	21,936.94	
For Hot Water Heating Coil, Aluminum Fins, Add	4,708.48	
For Electric Heating Coil, Add	5,474.19	
For Chilled Water Cooling Coil, Aluminum Fins, Add	18,108.40	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	18,108.40	
For Chilled Water Cooling Coil, Copper Fins, Add	21,936.94	
For Direct Expansion Cooling Coil, Copper Fins, Add	21,936.94	
For 2 Coils, Independent Circuits, Add	5,474.19	
23 73 13 00-0073 EA 16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	54,149.40	6,388.86
For Economizer, Panel, Controls And Damper(s), Add	3,331.34	
For Flat Filter Box And Throwaway Filters, Add	4,958.84	
For Medium Capacity Filter Box And Throwaway Filters, Add	9,644.03	
For Combination Filter Mixing Box And Throwaway Filters, Add	12,169.06	
For Manual Roll Filter, Add	25,677.30	
For Automatic Roll Filter, Add	25,677.30	
For Hot Water Heating Coil, Aluminum Fins, Add	5,414.94	
For Electric Heating Coil, Add	6,315.49	
For Chilled Water Cooling Coil, Aluminum Fins, Add	21,174.55	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	21,174.55	
For Chilled Water Cooling Coil, Copper Fins, Add	25,677.30	
For Direct Expansion Cooling Coil, Copper Fins, Add	25,677.30	
For 2 Coils, Independent Circuits, Add	6,315.49	
23 73 13 00-0074 EA 17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	61,218.54	6,618.78
For Economizer, Panel, Controls And Damper(s), Add	3,388.59	
For Flat Filter Box And Throwaway Filters, Add	5,649.40	
For Medium Capacity Filter Box And Throwaway Filters, Add	11,015.33	
For Combination Filter Mixing Box And Throwaway Filters, Add	13,887.27	
For Manual Roll Filter, Add	29,418.11	
For Automatic Roll Filter, Add	29,418.11	
For Hot Water Heating Coil, Aluminum Fins, Add	6,121.85	
For Electric Heating Coil, Add	7,157.24	
For Chilled Water Cooling Coil, Aluminum Fins, Add	24,241.16	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	24,241.16	
For Chilled Water Cooling Coil, Copper Fins, Add	29,418.11	
For Direct Expansion Cooling Coil, Copper Fins, Add	29,418.11	
For 2 Coils, Independent Circuits, Add	7,157.24	
23 73 13 00-0075 EA 20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	68,744.43	7,176.15
For Economizer, Panel, Controls And Damper(s), Add	3,528.60	
For Flat Filter Box And Throwaway Filters, Add	6,361.99	
For Medium Capacity Filter Box And Throwaway Filters, Add	9,491.73	
For Combination Filter Mixing Box And Throwaway Filters, Add	15,648.74	
For Manual Roll Filter, Add	24,423.03	
For Automatic Roll Filter, Add	30,272.56	
For Hot Water Heating Coil, Aluminum Fins, Add	6,874.44	
For Electric Heating Coil, Add	8,044.35	
For Chilled Water Cooling Coil, Aluminum Fins, Add	24,423.03	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	24,423.03	
For Steam Heating Coil, Aluminum Fins, Add	12,723.97	
For Chilled Water Cooling Coil, Copper Fins, Add	30,272.56	
For Direct Expansion Cooling Coil, Copper Fins, Add	30,272.56	
For 2 Coils, Independent Circuits, Add	8,044.35	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 73 13 00-0076	EA	22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	74,140.91	7,803.20
		For Economizer, Panel, Controls And Damper(s), Add	3,427.95	
		For Flat Filter Box And Throwaway Filters, Add	6,859.78	
		For Medium Capacity Filter Box And Throwaway Filters, Add	10,234.23	
		For Combination Filter Mixing Box And Throwaway Filters, Add	16,872.28	
		For Manual Roll Filter, Add	26,330.47	
		For Automatic Roll Filter, Add	32,635.94	
		For Hot Water Heating Coil, Aluminum Fins, Add	7,414.09	
		For Electric Heating Coil, Add	8,675.18	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	26,330.47	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	26,330.47	
		For Steam Heating Coil, Aluminum Fins, Add	13,719.55	
		For Chilled Water Cooling Coil, Copper Fins, Add	32,635.94	
		For Direct Expansion Cooling Coil, Copper Fins, Add	32,635.94	
		For 2 Coils, Independent Circuits, Add	8,675.18	
23 73 13 00-0077	EA	25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	88,481.59	8,429.94
		For Economizer, Panel, Controls And Damper(s), Add	3,571.00	
		For Flat Filter Box And Throwaway Filters, Add	8,246.16	
		For Medium Capacity Filter Box And Throwaway Filters, Add	12,309.04	
		For Combination Filter Mixing Box And Throwaway Filters, Add	20,314.40	
		For Manual Roll Filter, Add	31,780.64	
		For Automatic Roll Filter, Add	39,424.80	
		For Hot Water Heating Coil, Aluminum Fins, Add	8,848.16	
		For Electric Heating Coil, Add	10,376.99	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	31,780.64	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	31,780.64	
		For Steam Heating Coil, Aluminum Fins, Add	16,492.32	
		For Chilled Water Cooling Coil, Copper Fins, Add	39,424.80	
		For Direct Expansion Cooling Coil, Copper Fins, Add	39,424.80	
		For 2 Coils, Independent Circuits, Add	10,376.99	
23 73 13 00-0078	EA	27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	100,035.34	9,126.95
		For Economizer, Panel, Controls And Damper(s), Add	3,718.00	
		For Flat Filter Box And Throwaway Filters, Add	9,352.54	
		For Medium Capacity Filter Box And Throwaway Filters, Add	13,963.70	
		For Combination Filter Mixing Box And Throwaway Filters, Add	23,055.84	
		For Manual Roll Filter, Add	36,108.14	
		For Automatic Roll Filter, Add	44,809.68	
		For Hot Water Heating Coil, Aluminum Fins, Add	10,003.53	
		For Electric Heating Coil, Add	11,743.84	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	36,108.14	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	36,108.14	
		For Steam Heating Coil, Aluminum Fins, Add	18,705.07	
		For Chilled Water Cooling Coil, Copper Fins, Add	44,809.68	
		For Direct Expansion Cooling Coil, Copper Fins, Add	44,809.68	
		For 2 Coils, Independent Circuits, Add	11,743.84	
23 73 13 00-0079	EA	30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	108,428.27	9,823.96
		For Economizer, Panel, Controls And Damper(s), Add	3,871.06	
		For Flat Filter Box And Throwaway Filters, Add	10,140.81	
		For Medium Capacity Filter Box And Throwaway Filters, Add	15,141.01	
		For Combination Filter Mixing Box And Throwaway Filters, Add	25,001.01	
		For Manual Roll Filter, Add	39,159.20	
		For Automatic Roll Filter, Add	48,597.99	
		For Hot Water Heating Coil, Aluminum Fins, Add	10,842.83	
		For Electric Heating Coil, Add	12,730.59	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	39,159.20	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	39,159.20	
		For Steam Heating Coil, Aluminum Fins, Add	20,281.62	
		For Chilled Water Cooling Coil, Copper Fins, Add	48,597.99	
		For Direct Expansion Cooling Coil, Copper Fins, Add	48,597.99	
		For 2 Coils, Independent Circuits, Add	12,730.59	
23 73 13 00-0080	EA	32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	121,173.77	11,495.47
		For Economizer, Panel, Controls And Damper(s), Add	3,880.76	
		For Flat Filter Box And Throwaway Filters, Add	11,297.07	
		For Medium Capacity Filter Box And Throwaway Filters, Add	16,863.58	
		For Combination Filter Mixing Box And Throwaway Filters, Add	27,832.53	
		For Manual Roll Filter, Add	43,547.68	
		For Automatic Roll Filter, Add	54,024.44	
		For Hot Water Heating Coil, Aluminum Fins, Add	12,117.38	
		For Electric Heating Coil, Add	14,212.73	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	43,547.68	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	43,547.68	
		For Steam Heating Coil, Aluminum Fins, Add	22,594.14	
		For Chilled Water Cooling Coil, Copper Fins, Add	54,024.44	
		For Direct Expansion Cooling Coil, Copper Fins, Add	54,024.44	
		For 2 Coils, Independent Circuits, Add	14,212.73	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0081 EA 35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	121,787.38	11,913.80
For Economizer, Panel, Controls And Damper(s), Add	3,957.47	
For Flat Filter Box And Throwaway Filters, Add	11,327.75	
For Medium Capacity Filter Box And Throwaway Filters, Add	16,906.53	
For Combination Filter Mixing Box And Throwaway Filters, Add	27,893.89	
For Manual Roll Filter, Add	43,609.04	
For Automatic Roll Filter, Add	54,085.80	
For Hot Water Heating Coil, Aluminum Fins, Add	12,178.74	
For Electric Heating Coil, Add	14,274.09	
For Chilled Water Cooling Coil, Aluminum Fins, Add	43,609.04	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	43,609.04	
For Steam Heating Coil, Aluminum Fins, Add	22,655.50	
For Chilled Water Cooling Coil, Copper Fins, Add	54,085.80	
For Direct Expansion Cooling Coil, Copper Fins, Add	54,085.80	
For 2 Coils, Independent Circuits, Add	14,274.09	
23 73 13 00-0082 EA 37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	127,380.68	12,331.43
For Economizer, Panel, Controls And Damper(s), Add	4,034.17	
For Flat Filter Box And Throwaway Filters, Add	11,856.40	
For Medium Capacity Filter Box And Throwaway Filters, Add	17,696.44	
For Combination Filter Mixing Box And Throwaway Filters, Add	29,200.17	
For Manual Roll Filter, Add	45,662.28	
For Automatic Roll Filter, Add	56,637.01	
For Hot Water Heating Coil, Aluminum Fins, Add	12,738.07	
For Electric Heating Coil, Add	14,933.02	
For Chilled Water Cooling Coil, Aluminum Fins, Add	45,662.28	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	45,662.28	
For Steam Heating Coil, Aluminum Fins, Add	23,712.80	
For Chilled Water Cooling Coil, Copper Fins, Add	56,637.01	
For Direct Expansion Cooling Coil, Copper Fins, Add	56,637.01	
For 2 Coils, Independent Circuits, Add	14,933.02	
23 73 13 00-0083 EA 40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	133,269.52	13,237.55
For Economizer, Panel, Controls And Damper(s), Add	4,192.27	
For Flat Filter Box And Throwaway Filters, Add	12,382.04	
For Medium Capacity Filter Box And Throwaway Filters, Add	18,478.58	
For Combination Filter Mixing Box And Throwaway Filters, Add	30,482.66	
For Manual Roll Filter, Add	47,638.36	
For Automatic Roll Filter, Add	59,075.50	
For Hot Water Heating Coil, Aluminum Fins, Add	13,326.95	
For Electric Heating Coil, Add	15,614.38	
For Chilled Water Cooling Coil, Aluminum Fins, Add	47,638.36	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	47,638.36	
For Steam Heating Coil, Aluminum Fins, Add	24,764.09	
For Chilled Water Cooling Coil, Copper Fins, Add	59,075.50	
For Direct Expansion Cooling Coil, Copper Fins, Add	59,075.50	
For 2 Coils, Independent Circuits, Add	15,614.38	
23 73 13 00-0084 EA 45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	143,631.41	13,934.27
For Economizer, Panel, Controls And Damper(s), Add	4,307.25	
For Flat Filter Box And Throwaway Filters, Add	13,372.24	
For Medium Capacity Filter Box And Throwaway Filters, Add	19,959.27	
For Combination Filter Mixing Box And Throwaway Filters, Add	32,935.15	
For Manual Roll Filter, Add	51,507.16	
For Automatic Roll Filter, Add	63,888.50	
For Hot Water Heating Coil, Aluminum Fins, Add	14,363.14	
For Electric Heating Coil, Add	16,839.41	
For Chilled Water Cooling Coil, Aluminum Fins, Add	51,507.16	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	51,507.16	
For Steam Heating Coil, Aluminum Fins, Add	26,744.48	
For Chilled Water Cooling Coil, Copper Fins, Add	63,888.50	
For Direct Expansion Cooling Coil, Copper Fins, Add	63,888.50	
For 2 Coils, Independent Circuits, Add	16,839.41	
23 73 13 00-0085 EA 50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	154,412.35	14,700.65
For Economizer, Panel, Controls And Damper(s), Add	4,002.76	
For Flat Filter Box And Throwaway Filters, Add	14,389.86	
For Medium Capacity Filter Box And Throwaway Filters, Add	21,479.64	
For Combination Filter Mixing Box And Throwaway Filters, Add	35,448.95	
For Manual Roll Filter, Add	55,456.66	
For Automatic Roll Filter, Add	68,795.14	
For Hot Water Heating Coil, Aluminum Fins, Add	15,441.24	
For Electric Heating Coil, Add	18,108.93	
For Chilled Water Cooling Coil, Aluminum Fins, Add	55,456.66	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	55,456.66	
For Steam Heating Coil, Aluminum Fins, Add	28,779.71	
For Chilled Water Cooling Coil, Copper Fins, Add	68,795.14	
For Direct Expansion Cooling Coil, Copper Fins, Add	68,795.14	
For 2 Coils, Independent Circuits, Add	18,108.93	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 73 Indoor Central-Station Air-Handling Units**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0086	EA		55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	166,338.52	15,606.38
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,128.30	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	15,519.70	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	23,168.14	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	38,242.18	
			<i>For Manual Roll Filter, Add</i>	59,850.51	
			<i>For Automatic Roll Filter, Add</i>	74,256.07	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	16,633.85	
			<i>For Electric Heating Coil, Add</i>	19,514.96	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	59,850.51	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	59,850.51	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	31,039.41	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	74,256.07	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	74,256.07	
			<i>For 2 Coils, Independent Circuits, Add</i>	19,514.96	
23 73 13 00-0087	EA		60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	178,450.78	16,024.41
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,185.14	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	16,702.51	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	24,939.51	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	41,184.99	
			<i>For Manual Roll Filter, Add</i>	64,524.89	
			<i>For Automatic Roll Filter, Add</i>	80,084.83	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	17,845.08	
			<i>For Electric Heating Coil, Add</i>	20,957.07	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	64,524.89	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	64,524.89	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	33,405.02	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	80,084.83	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	80,084.83	
			<i>For 2 Coils, Independent Circuits, Add</i>	20,957.07	

**23 73 13 00-0088 Return/Supply Air Fan (23 73 13)**

Note: Includes vibration mounts.

23 73 13 00-0089	EA		300 CFM Return Air Fan.....	3,162.88	557.27
23 73 13 00-0090	EA		500 CFM Return Air Fan.....	4,108.75	668.74
23 73 13 00-0091	EA		750 CFM Return Air Fan.....	4,292.02	696.62
23 73 13 00-0092	EA		1,000 CFM Return Air Fan.....	4,906.80	738.41
23 73 13 00-0093	EA		1,250 CFM Return Air Fan.....	5,054.49	773.26
23 73 13 00-0094	EA		1,500 CFM Return Air Fan.....	5,169.42	808.09
23 73 13 00-0095	EA		1,750 CFM Return Air Fan.....	5,425.13	849.90
23 73 13 00-0096	EA		2,000 CFM Return Air Fan.....	6,039.89	891.69
23 73 13 00-0097	EA		2,250 CFM Return Air Fan.....	6,328.14	933.50
23 73 13 00-0098	EA		2,500 CFM Return Air Fan.....	6,485.83	975.30
23 73 13 00-0099	EA		3,000 CFM Return Air Fan.....	6,863.35	1,079.80
23 73 13 00-0100	EA		3,500 CFM Return Air Fan.....	7,041.10	1,135.54
23 73 13 00-0101	EA		4,000 CFM Return Air Fan.....	7,208.67	1,184.32
23 73 13 00-0102	EA		4,500 CFM Return Air Fan.....	7,419.07	1,240.15
23 73 13 00-0103	EA		5,000 CFM Return Air Fan.....	7,606.46	1,302.85
23 73 13 00-0104	EA		5,500 CFM Return Air Fan.....	7,955.82	1,456.13
23 73 13 00-0105	EA		6,000 CFM Return Air Fan.....	9,029.49	1,727.85
23 73 13 00-0106	EA		6,500 CFM Return Air Fan.....	9,265.78	1,755.72
23 73 13 00-0107	EA		7,000 CFM Return Air Fan.....	9,373.23	1,762.69
23 73 13 00-0108	EA		8,000 CFM Return Air Fan.....	9,870.69	1,790.55
23 73 13 00-0109	EA		9,000 CFM Return Air Fan.....	10,093.13	1,811.45
23 73 13 00-0110	EA		10,000 CFM Return Air Fan.....	10,620.48	1,881.43
23 73 13 00-0111	EA		12,500 CFM Return Air Fan.....	11,321.38	1,915.87
23 73 13 00-0112	EA		15,000 CFM Return Air Fan.....	12,804.39	1,970.30
23 73 13 00-0113	EA		17,500 CFM Return Air Fan.....	13,967.37	2,076.11
23 73 13 00-0114	EA		20,000 CFM Return Air Fan.....	16,642.72	2,166.48
23 73 13 00-0115	EA		22,500 CFM Return Air Fan.....	17,443.08	2,242.02
23 73 13 00-0116	EA		25,000 CFM Return Air Fan.....	18,240.83	2,306.12
23 73 13 00-0117	EA		27,500 CFM Return Air Fan.....	19,323.94	2,536.04
23 73 13 00-0118	EA		30,000 CFM Return Air Fan.....	20,664.62	2,675.18
23 73 13 00-0119	EA		35,000 CFM Return Air Fan.....	23,338.61	2,786.56
23 73 13 00-0120	EA		40,000 CFM Return Air Fan.....	27,523.78	3,065.24
23 73 13 00-0121	EA		45,000 CFM Return Air Fan.....	33,898.36	3,483.27
23 73 13 00-0122	EA		50,000 CFM Return Air Fan.....	41,325.64	3,608.97
23 73 13 00-0123	EA		55,000 CFM Return Air Fan.....	43,265.21	3,713.19
23 73 13 00-0124	EA		60,000 CFM Return Air Fan.....	44,258.98	3,810.72
23 73 13 00-0125	EA		65,000 CFM Return Air Fan.....	46,418.00	3,977.83
23 73 13 00-0126	EA		70,000 CFM Return Air Fan.....	48,755.09	4,173.72
23 73 13 00-0127	EA		75,000 CFM Return Air Fan.....	52,449.85	4,378.44
23 73 13 00-0128	EA		80,000 CFM Return Air Fan.....	54,772.73	4,610.55
23 73 13 00-0129	EA		90,000 CFM Return Air Fan.....	56,545.14	4,873.11
23 73 13 00-0130	EA		100,000 CFM Return Air Fan.....	60,813.06	5,096.16
23 73 13 00-0131	EA		115,000 CFM Return Air Fan.....	65,437.89	5,339.91
23 73 13 00-0132	EA		130,000 CFM Return Air Fan.....	70,456.87	5,608.94
23 73 13 00-0133	EA		150,000 CFM Return Air Fan.....	77,115.99	5,907.73

**23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit (23 73 13)**

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0135 EA Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit.....	2,552.07	
23 73 13 00-0136 EA Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit .....	3,461.93	
23 73 13 00-0137 EA Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit .....	4,306.60	
23 73 13 00-0138 EA Removal And Reinstallation Of >22,000 CFM Air Handling Unit .....	7,857.67	

**23 74 Packaged Outdoor HVAC Equipment** (23 70)

**23 74 16 Packaged Rooftop Air-Conditioning Units** (23 74)

**23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units** (23 74 16)

**23 74 16 13-0001 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units** (23 74 16 13)

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0002 EA 2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	4,663.63	1,614.82
For Unit Without Heat, Deduct	-340.84	
For Unit Without Factory Installed Economizer, Deduct	-1,061.81	
For Unit Without Roof Curb, Deduct	-644.76	
23 74 16 13-0003 EA 3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	6,016.25	1,688.23
For Unit Without Heat, Deduct	-413.36	
For Unit Without Factory Installed Economizer, Deduct	-1,061.81	
For Unit Without Roof Curb, Deduct	-644.76	
23 74 16 13-0004 EA 4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	7,010.51	1,761.63
For Unit Without Heat, Deduct	-467.97	
For Unit Without Factory Installed Economizer, Deduct	-1,061.81	
For Unit Without Roof Curb, Deduct	-644.76	
23 74 16 13-0005 EA 5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	8,322.73	1,871.73
For Unit Without Heat, Deduct	-540.92	
For Unit Without Factory Installed Economizer, Deduct	-1,061.81	
For Unit Without Roof Curb, Deduct	-644.76	
23 74 16 13-0006 EA 6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	9,059.94	1,981.83
For Unit Without Heat, Deduct	-585.12	
For Unit Without Factory Installed Economizer, Deduct	-1,061.81	
For Unit Without Roof Curb, Deduct	-644.76	
23 74 16 13-0007 EA 7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	10,141.30	2,128.63
For Unit Without Heat, Deduct	-648.97	
For Unit Without Factory Installed Economizer, Deduct	-1,083.77	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0008 EA 8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	10,878.50	2,238.74
For Unit Without Heat, Deduct	-693.17	
For Unit Without Factory Installed Economizer, Deduct	-1,083.77	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0009 EA 10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	11,959.86	2,385.54
For Unit Without Heat, Deduct	-757.03	
For Unit Without Factory Installed Economizer, Deduct	-1,108.32	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0010 EA 12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	14,450.05	2,577.85
For Unit Without Heat, Deduct	-894.38	
For Unit Without Factory Installed Economizer, Deduct	-1,196.96	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0011 EA 15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	16,940.24	2,770.89
For Unit Without Heat, Deduct	-1,031.74	
For Unit Without Factory Installed Economizer, Deduct	-2,262.66	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0012 EA 17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	19,353.43	2,963.45
For Unit Without Heat, Deduct	-1,165.24	
For Unit Without Factory Installed Economizer, Deduct	-2,262.66	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0013 EA 20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	21,766.61	3,156.25
For Unit Without Heat, Deduct	-1,298.75	
For Unit Without Factory Installed Economizer, Deduct	-2,262.66	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0014 EA 22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	24,402.41	3,477.26
For Unit Without Heat, Deduct	-1,451.95	
For Unit Without Factory Installed Economizer, Deduct	-2,262.66	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0015 EA 25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	27,038.20	3,798.51
For Unit Without Heat, Deduct	-1,605.14	
For Unit Without Factory Installed Economizer, Deduct	-2,262.66	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0016 EA 27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	29,774.26	4,156.46
For Unit Without Heat, Deduct	-1,765.80	
For Unit Without Factory Installed Economizer, Deduct	-2,262.66	
For Unit Without Roof Curb, Deduct	-1,273.27	
23 74 16 13-0017 EA 30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	32,510.33	4,514.18
For Unit Without Heat, Deduct	-1,926.46	
For Unit Without Factory Installed Economizer, Deduct	-2,262.66	
For Unit Without Roof Curb, Deduct	-1,273.27	
23 74 16 13-0018 EA 35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	37,877.38	5,266.53
For Unit Without Heat, Deduct	-2,244.97	
For Unit Without Factory Installed Economizer, Deduct	-2,262.66	
For Unit Without Roof Curb, Deduct	-1,273.27	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0019 EA 40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	43,244.43	6,018.89
For Unit Without Heat, Deduct	-2,563.48	
For Unit Without Factory Installed Economizer, Deduct	-2,262.66	
For Unit Without Roof Curb, Deduct	-1,944.29	
23 74 16 13-0020 EA 45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	47,557.81	6,789.61
For Unit Without Heat, Deduct	-2,830.53	
For Unit Without Factory Installed Economizer, Deduct	-2,262.66	
For Unit Without Roof Curb, Deduct	-1,944.29	
23 74 16 13-0021 EA 50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	51,871.18	7,560.32
For Unit Without Heat, Deduct	-3,097.58	
For Unit Without Factory Installed Economizer, Deduct	-2,262.66	
For Unit Without Roof Curb, Deduct	-1,944.29	
23 74 16 13-0022 EA 55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	57,111.09	8,294.33
For Unit Without Heat, Deduct	-3,408.51	
For Unit Without Factory Installed Economizer, Deduct	-2,262.66	
For Unit Without Roof Curb, Deduct	-2,421.17	
23 74 16 13-0023 EA 60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	62,350.99	9,028.34
For Unit Without Heat, Deduct	-3,719.44	
For Unit Without Factory Installed Economizer, Deduct	-2,262.66	
For Unit Without Roof Curb, Deduct	-2,421.17	
23 74 16 13-0024 EA 65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	67,436.87	9,762.36
For Unit Without Heat, Deduct	-4,022.67	
For Unit Without Factory Installed Economizer, Deduct	-2,262.66	
For Unit Without Roof Curb, Deduct	-2,273.21	
23 74 16 13-0025 EA 70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	72,522.75	10,496.37
For Unit Without Heat, Deduct	-4,325.90	
For Unit Without Factory Installed Economizer, Deduct	-2,262.66	
For Unit Without Roof Curb, Deduct	-2,273.21	
23 74 16 13-0026 EA 75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	77,706.50	11,303.78
For Unit Without Heat, Deduct	-4,638.91	
For Unit Without Factory Installed Economizer, Deduct	-2,262.66	
For Unit Without Roof Curb, Deduct	-2,530.20	
<b>23 74 16 13-0027 Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units</b> <small>(23 74 16 13)</small>		
Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.		
23 74 16 13-0028 EA 2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit .....	4,712.44	1,468.02
For Unit Without Factory Installed Economizer, Deduct	-1,061.81	
For Unit Without Roof Curb, Deduct	-644.76	
23 74 16 13-0029 EA 3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit .....	5,371.95	1,688.23
For Unit Without Factory Installed Economizer, Deduct	-1,061.81	
For Unit Without Roof Curb, Deduct	-644.76	
23 74 16 13-0030 EA 4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit .....	6,629.25	1,945.13
For Unit Without Factory Installed Economizer, Deduct	-1,061.81	
For Unit Without Roof Curb, Deduct	-644.76	
23 74 16 13-0031 EA 5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit .....	7,605.24	2,091.93
For Unit Without Factory Installed Economizer, Deduct	-1,061.81	
For Unit Without Roof Curb, Deduct	-644.76	
23 74 16 13-0032 EA 6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit .....	8,524.97	2,257.09
For Unit Without Factory Installed Economizer, Deduct	-1,061.81	
For Unit Without Roof Curb, Deduct	-644.76	
23 74 16 13-0033 EA 7.5 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit .....	9,317.49	2,367.18
For Unit Without Factory Installed Economizer, Deduct	-1,083.77	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0034 EA 8.5 Ton Electric Cooling, 170 To 190 MBH Gas Heating, Self Contained Package Rooftop Unit .....	11,149.56	1,963.49
For Unit Without Factory Installed Economizer, Deduct	-1,083.77	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0035 EA 10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit .....	13,935.49	2,642.44
For Unit Without Factory Installed Economizer, Deduct	-1,108.32	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0036 EA 12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit .....	15,224.58	2,862.65
For Unit Without Factory Installed Economizer, Deduct	-1,196.96	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0037 EA 15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit .....	18,423.93	3,082.85
For Unit Without Factory Installed Economizer, Deduct	-2,262.66	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0038 EA 17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit .....	19,470.87	3,303.05
For Unit Without Factory Installed Economizer, Deduct	-2,262.66	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0039 EA 20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit .....	29,880.75	3,523.25
For Unit Without Factory Installed Economizer, Deduct	-2,262.66	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0040 EA 22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit .....	36,504.44	3,890.27
For Unit Without Factory Installed Economizer, Deduct	-2,262.66	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0041 EA 25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit .....	43,128.11	4,208.33
For Unit Without Factory Installed Economizer, Deduct	-2,262.66	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0042 EA 27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit .....	44,424.61	4,624.27
For Unit Without Factory Installed Economizer, Deduct	-2,262.66	
For Unit Without Roof Curb, Deduct	-1,273.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0043 EA 30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	45,721.10 -2,262.66 -1,273.27	4,991.27
23 74 16 13-0044 EA 35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	51,205.19 -2,262.66 -1,273.27	5,835.39
23 74 16 13-0045 EA 40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	56,689.29 -2,262.66 -1,944.29	6,679.50
23 74 16 13-0046 EA 45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	61,097.18 -2,262.66 -1,944.29	7,523.62
23 74 16 13-0047 EA 50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	65,505.07 -2,262.66 -1,944.29	8,367.73
23 74 16 13-0048 EA 55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	71,742.51 -2,262.66 -2,421.17	9,211.85
23 74 16 13-0049 EA 60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	77,979.94 -2,262.66 -2,421.17	10,055.96
23 74 16 13-0050 EA 65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	83,520.10 -2,262.66 -2,273.21	10,478.01
23 74 16 13-0051 EA 70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	89,035.81 -2,262.66 -2,273.21	10,881.72
23 74 16 13-0052 EA 75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	94,575.98 -2,262.66 -2,530.20	11,303.78
23 74 16 13-0053 EA 80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	100,140.61 -2,262.66 -2,530.20	11,744.19
23 74 16 13-0054 EA 90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	136,243.13 -2,262.66 -2,530.20	13,799.41
23 74 16 13-0055 EA 100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	156,936.82 -2,262.66 -2,530.20	16,808.86
<b>23 74 16 13-0056 AAON Rooftop Units</b> <small>(23 74 16 13)</small> Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
<b>23 74 16 13-0057 AAON RQ Rooftop Units</b> <small>(23 74 16 13-0056)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment.		
23 74 16 13-0058 EA 2 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-002) ..... <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	10,852.41 1,126.32 1,221.98 962.06 1,101.05 5,613.55 1,310.43	1,468.02
23 74 16 13-0059 EA 3 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-003) ..... <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	11,849.96 1,207.54 1,310.43 1,030.66 1,180.47 5,613.55 1,310.43	1,688.23
23 74 16 13-0060 EA 4 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-004) ..... <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	12,353.14 1,207.54 1,310.43 1,030.66 1,180.47 5,613.55 1,310.43	1,945.13
23 74 16 13-0061 EA 5 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-005) ..... <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	12,691.47 1,207.54 1,310.43 1,030.66 1,180.47 5,613.55 1,310.43	2,091.93
23 74 16 13-0062 EA 6 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-006) ..... <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	13,877.35 1,207.54 1,310.43 1,030.66 1,180.47 5,613.55 1,310.43	2,550.74

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 74 Packaged Outdoor HVAC Equipment**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>23 74 16 13-0063</b>		<b>AAON RNA Rooftop Units</b> <small>(23 74 16 13-0056)</small>		
<p>Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment.</p>				
23 74 16 13-0064	EA	6 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-006) .....	16,694.96	2,257.14
		<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	1,175.06	
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,805.00	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,203.94	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,111.88	
		<i>For Factory Installed Exhaust Fan, Add</i>	2,998.10	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,021.63	
23 74 16 13-0065	EA	7 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-007) .....	17,814.65	2,367.23
		<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	1,175.06	
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,805.00	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,203.94	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,111.88	
		<i>For Factory Installed Exhaust Fan, Add</i>	2,998.10	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,021.63	
23 74 16 13-0066	EA	8 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-008) .....	20,420.26	2,550.74
		<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	1,175.06	
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,805.00	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,203.94	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,111.88	
		<i>For Factory Installed Exhaust Fan, Add</i>	2,998.10	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,021.63	
23 74 16 13-0067	EA	10 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-010) .....	20,638.26	2,642.44
		<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	1,175.06	
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,805.00	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,203.94	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,111.88	
		<i>For Factory Installed Exhaust Fan, Add</i>	2,998.10	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,021.63	
<b>23 74 16 13-0068</b>		<b>AAON RNB Rooftop Units</b> <small>(23 74 16 13-0056)</small>		
<p>Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment.</p>				
23 74 16 13-0069	EA	9 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-009) .....	24,383.63	2,642.44
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,731.00	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,353.75	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,073.98	
		<i>For Factory Installed Exhaust Fan, Add</i>	2,859.12	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,027.04	
23 74 16 13-0070	EA	11 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-011) .....	24,551.11	2,569.04
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,731.00	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,353.75	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,073.98	
		<i>For Factory Installed Exhaust Fan, Add</i>	2,859.12	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,027.04	
23 74 16 13-0071	EA	13 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-013) .....	26,780.07	2,862.65
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,731.00	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,353.75	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,073.98	
		<i>For Factory Installed Exhaust Fan, Add</i>	2,859.12	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,027.04	
23 74 16 13-0072	EA	15 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-015) .....	27,492.44	3,082.85
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,731.00	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,353.75	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,073.98	
		<i>For Factory Installed Exhaust Fan, Add</i>	2,859.12	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,027.04	
<b>23 74 16 13-0073</b>		<b>AAON RNC Rooftop Units</b> <small>(23 74 16 13-0056)</small>		
<p>Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.</p>				
23 74 16 13-0074	EA	16 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-016) .....	35,239.50	3,082.85
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	2,555.88	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,805.00	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,073.98	
		<i>For Factory Installed Exhaust Fan, Add</i>	5,243.52	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	467.50	
23 74 16 13-0075	EA	18 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-018) .....	38,063.71	3,303.05
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	2,555.88	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,805.00	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,073.98	
		<i>For Factory Installed Exhaust Fan, Add</i>	5,243.52	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	467.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0076 EA 20 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-020).....	40,337.39	3,523.25
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	2,555.88	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,805.00	
For Factory Installed Non-Fused Disconnect, Add	1,073.98	
For Factory Installed Exhaust Fan, Add	5,243.52	
For Hot Water Coil In Lieu Of Gas Heat, Add	467.50	
23 74 16 13-0077 EA 25 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-025).....	43,729.36	4,257.27
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	2,555.88	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,805.00	
For Factory Installed Non-Fused Disconnect, Add	1,073.98	
For Factory Installed Exhaust Fan, Add	5,243.52	
For Hot Water Coil In Lieu Of Gas Heat, Add	467.50	
23 74 16 13-0078 EA 30 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-030).....	49,626.68	4,991.27
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	2,555.88	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,805.00	
For Factory Installed Non-Fused Disconnect, Add	1,073.98	
For Factory Installed Exhaust Fan, Add	5,243.52	
For Hot Water Coil In Lieu Of Gas Heat, Add	467.50	
<b>23 74 16 13-0079 AAON RND Rooftop Units</b> <small>(23 74 16 13-0056)</small>		
Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0080 EA 26 Ton, Air Cooled Packaged Rooftop Units (AAON RND-026).....	65,979.59	4,257.27
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,256.25	
For Factory Installed Non-Fused Disconnect, Add	2,443.97	
For Hot Water Coil In Lieu Of Gas Heat, Add	3,429.50	
23 74 16 13-0081 EA 31 Ton, Air Cooled Packaged Rooftop Units (AAON RND-031).....	75,208.94	4,991.27
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,256.25	
For Factory Installed Non-Fused Disconnect, Add	2,443.97	
For Hot Water Coil In Lieu Of Gas Heat, Add	3,429.50	
23 74 16 13-0082 EA 40 Ton, Air Cooled Packaged Rooftop Units (AAON RND-040).....	88,775.45	6,679.50
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,256.25	
For Factory Installed Non-Fused Disconnect, Add	2,443.97	
For Hot Water Coil In Lieu Of Gas Heat, Add	3,429.50	
23 74 16 13-0083 EA 50 Ton, Air Cooled Packaged Rooftop Units (AAON RND-050).....	104,220.97	8,367.73
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,256.25	
For Factory Installed Non-Fused Disconnect, Add	2,443.97	
For Hot Water Coil In Lieu Of Gas Heat, Add	3,429.50	
23 74 16 13-0084 EA 60 Ton, Air Cooled Packaged Rooftop Units (AAON RND-060).....	114,657.61	10,055.96
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,256.25	
For Factory Installed Non-Fused Disconnect, Add	2,443.97	
For Hot Water Coil In Lieu Of Gas Heat, Add	3,429.50	
23 74 16 13-0085 EA 70 Ton, Air Cooled Packaged Rooftop Units (AAON RND-070).....	120,716.96	10,881.77
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,256.25	
For Factory Installed Non-Fused Disconnect, Add	2,443.97	
For Hot Water Coil In Lieu Of Gas Heat, Add	3,429.50	
<b>23 74 16 13-0086 AAON RNE Rooftop Units</b> <small>(23 74 16 13-0056)</small>		
Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0087 EA 55 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-055).....	111,301.15	9,211.85
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,548.66	
For Factory Installed Non-Fused Disconnect, Add	3,660.54	
For Hot Water Coil In Lieu Of Gas Heat, Add	4,873.50	
23 74 16 13-0088 EA 65 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-065).....	122,673.20	10,478.06
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,548.66	
For Factory Installed Non-Fused Disconnect, Add	3,660.54	
For Hot Water Coil In Lieu Of Gas Heat, Add	4,873.50	
23 74 16 13-0089 EA 75 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-075).....	130,468.96	11,303.78
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,548.66	
For Factory Installed Non-Fused Disconnect, Add	3,660.54	
For Hot Water Coil In Lieu Of Gas Heat, Add	4,873.50	
23 74 16 13-0090 EA 95 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-090).....	158,246.15	15,304.14
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,548.66	
For Factory Installed Non-Fused Disconnect, Add	3,660.54	
For Hot Water Coil In Lieu Of Gas Heat, Add	4,873.50	
23 74 16 13-0091 EA 105 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-105).....	171,596.85	17,469.48
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,548.66	
For Factory Installed Non-Fused Disconnect, Add	3,660.54	
For Hot Water Coil In Lieu Of Gas Heat, Add	4,873.50	
23 74 16 13-0092 EA 120 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-120).....	199,854.64	19,231.10
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,548.66	
For Factory Installed Non-Fused Disconnect, Add	3,660.54	
For Hot Water Coil In Lieu Of Gas Heat, Add	4,873.50	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0093	EA		130 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-130) .....	204,898.76	20,405.52
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	2,548.66	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	3,660.54	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	4,873.50	
23 74 16 13-0094	EA		140 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-140) .....	215,057.82	22,827.76
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	2,548.66	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	3,660.54	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	4,873.50	
<b>23 74 16 13-0095</b>			<b>Heat Pump, Packaged Rooftop Heat Pump Units</b> <small>(23 74 16 13)</small>		
			See CSI section 01 22 23 00-0883 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
<b>23 74 16 13-0096</b>			<b>Packaged Rooftop Heat Pump Units</b> <small>(23 74 16 13-0095)</small>		
			Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.		
23 74 16 13-0097	EA		2 Ton Packaged Rooftop Heat Pump .....	6,064.90	1,321.22
			<i>For Economizer With Outside Air Control, Add</i>	1,784.50	
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	215.16	
			<i>For Unit Without Roof Curb, Deduct</i>	-644.76	
23 74 16 13-0098	EA		2.5 Ton Packaged Rooftop Heat Pump .....	6,386.17	1,420.37
			<i>For Economizer With Outside Air Control, Add</i>	1,890.28	
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	224.62	
			<i>For Unit Without Roof Curb, Deduct</i>	-644.76	
23 74 16 13-0099	EA		3 Ton Packaged Rooftop Heat Pump .....	6,754.75	1,519.40
			<i>For Economizer With Outside Air Control, Add</i>	2,006.00	
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	236.44	
			<i>For Unit Without Roof Curb, Deduct</i>	-644.76	
23 74 16 13-0100	EA		3.5 Ton Packaged Rooftop Heat Pump .....	7,248.58	1,634.99
			<i>For Economizer With Outside Air Control, Add</i>	1,951.66	
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	253.43	
			<i>For Unit Without Roof Curb, Deduct</i>	-644.76	
23 74 16 13-0101	EA		4 Ton Packaged Rooftop Heat Pump .....	7,742.64	1,750.66
			<i>For Economizer With Outside Air Control, Add</i>	2,086.52	
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	270.42	
			<i>For Unit Without Roof Curb, Deduct</i>	-644.76	
23 74 16 13-0102	EA		5 Ton Packaged Rooftop Heat Pump .....	8,298.66	1,882.79
			<i>For Economizer With Outside Air Control, Add</i>	2,239.18	
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	231.53	
			<i>For Unit Without Roof Curb, Deduct</i>	-644.76	
23 74 16 13-0103	EA		6 Ton Packaged Rooftop Heat Pump .....	9,335.44	2,031.35
			<i>For Economizer With Outside Air Control, Add</i>	2,480.83	
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	198.81	
			<i>For Unit Without Roof Curb, Deduct</i>	-644.76	
23 74 16 13-0104	EA		7.5 Ton Packaged Rooftop Heat Pump .....	11,998.82	2,130.50
			<i>For Economizer With Outside Air Control, Add</i>	2,519.30	
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	274.75	
			<i>For Unit Without Roof Curb, Deduct</i>	-773.73	
23 74 16 13-0105	EA		8.5 Ton Packaged Rooftop Heat Pump .....	13,419.88	2,295.59
			<i>For Economizer With Outside Air Control, Add</i>	2,669.91	
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	310.77	
			<i>For Unit Without Roof Curb, Deduct</i>	-773.73	
23 74 16 13-0106	EA		10 Ton Packaged Rooftop Heat Pump .....	14,427.83	2,378.19
			<i>For Economizer With Outside Air Control, Add</i>	2,711.16	
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	225.14	
			<i>For Unit Without Roof Curb, Deduct</i>	-773.73	
23 74 16 13-0107	EA		12.5 Ton Packaged Rooftop Heat Pump .....	16,735.11	2,576.38
			<i>For Economizer With Outside Air Control, Add</i>	3,047.58	
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	266.00	
			<i>For Unit Without Roof Curb, Deduct</i>	-773.73	
23 74 16 13-0108	EA		15 Ton Packaged Rooftop Heat Pump .....	19,042.40	2,774.56
			<i>For Economizer With Outside Air Control, Add</i>	3,384.01	
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	306.86	
			<i>For Unit Without Roof Curb, Deduct</i>	-773.73	
23 74 16 13-0109	EA		17.5 Ton Packaged Rooftop Heat Pump .....	21,325.46	2,972.74
			<i>For Economizer With Outside Air Control, Add</i>	3,718.01	
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	347.24	
			<i>For Unit Without Roof Curb, Deduct</i>	-773.73	
23 74 16 13-0110	EA		20 Ton Packaged Rooftop Heat Pump .....	23,608.51	3,170.93
			<i>For Economizer With Outside Air Control, Add</i>	4,052.02	
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	387.61	
			<i>For Unit Without Roof Curb, Deduct</i>	-773.73	
<b>23 74 16 13-0111</b>			<b>Heating Only Packaged Rooftop Units</b> <small>(23 74 16 13-0095)</small>		
			Note: Includes throwaway filters, filter rack, manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0112	EA		24 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	6,382.95	1,321.22
			<i>For Gas Heat, Add</i>	411.57	
			<i>For Unit Without Roof Curb, Deduct</i>	-644.76	
23 74 16 13-0113	EA		32 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	7,501.44	1,519.40
			<i>For Gas Heat, Add</i>	484.58	
			<i>For Unit Without Roof Curb, Deduct</i>	-644.76	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0114 EA 45 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	10,288.43	1,750.66
For Gas Heat, Add	673.51	
For Unit Without Roof Curb, Deduct	-644.76	
23 74 16 13-0115 EA 60 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	11,612.92	1,882.79
For Gas Heat, Add	762.70	
For Unit Without Roof Curb, Deduct	-644.76	
23 74 16 13-0116 EA 95 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	13,651.72	2,130.50
For Gas Heat, Add	898.81	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0117 EA 112 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	15,384.35	2,295.59
For Gas Heat, Add	1,015.69	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0118 EA 140 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	18,228.03	2,378.19
For Gas Heat, Add	1,212.54	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0119 EA 170 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	23,697.13	2,774.56
For Gas Heat, Add	1,584.81	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0120 EA 200 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	31,341.49	2,972.74
For Gas Heat, Add	2,114.63	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0121 EA 230 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	36,605.16	3,170.93
For Gas Heat, Add	2,477.80	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0122 EA 270 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	47,638.18	3,501.23
For Gas Heat, Add	3,241.31	
For Unit Without Roof Curb, Deduct	-773.73	
23 74 16 13-0123 EA 330 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	59,590.57	4,455.45
For Gas Heat, Add	4,060.36	
For Unit Without Roof Curb, Deduct	-1,273.27	
23 74 16 13-0124 EA 360 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	73,362.77	4,492.15
For Gas Heat, Add	5,015.60	
For Unit Without Roof Curb, Deduct	-1,273.27	
23 74 16 13-0125 EA 450 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	89,374.00	5,251.90
For Gas Heat, Add	6,116.13	
For Unit Without Roof Curb, Deduct	-1,273.27	
23 74 16 13-0126 EA 540 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	115,920.87	6,771.30
For Gas Heat, Add	7,933.89	
For Unit Without Roof Curb, Deduct	-1,944.29	

### 23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units (23 74)

#### 23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units (23 74 23)

##### 23 74 23 13-0001 Make-Up Air Units (23 74 23 13)

Note: Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant. Includes throwaway filters and start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment.

##### 23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units (23 74 23 13-0001)

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0884 for crane lifting equipment.

23 74 23 13-0003 EA 100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark .....	7,505.63	440.40
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,031.48	
For Equipment Base Roof Curb, Add	916.18	
23 74 23 13-0004 EA 300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark .....	9,723.96	499.13
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,665.18	
For Equipment Base Roof Curb, Add	1,190.29	
23 74 23 13-0005 EA 500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark .....	13,570.46	587.21
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,777.53	
For Equipment Base Roof Curb, Add	1,666.95	
23 74 23 13-0006 EA 670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark .....	13,668.72	626.35
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,784.99	
For Equipment Base Roof Curb, Add	1,677.03	
23 74 23 13-0007 EA 800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark .....	18,734.82	704.65
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,268.12	
For Equipment Base Roof Curb, Add	2,306.62	
23 74 23 13-0008 EA 1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark .....	28,472.70	880.82
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	8,101.40	
For Equipment Base Roof Curb, Add	3,515.05	

##### 23 74 23 13-0009 Electric Make-Up Air Units (23 74 23 13-0001)

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0884 for crane lifting equipment.

23 74 23 13-0010 EA 33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric .....	15,663.04	440.40
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,478.71	
For Equipment Base Roof Curb, Add	1,935.86	
23 74 23 13-0011 EA 100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric .....	22,454.97	499.13
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	6,484.48	
For Equipment Base Roof Curb, Add	2,781.67	
23 74 23 13-0012 EA 150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric .....	27,838.14	587.21
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	8,057.84	
For Equipment Base Roof Curb, Add	3,450.41	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 74 Packaged Outdoor HVAC Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 23 13-0013	EA		250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Equipment Base Roof Curb, Add</i>	36,039.36 10,459.48 4,469.69	704.65
23 74 23 13-0014	EA		400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Equipment Base Roof Curb, Add</i>	58,392.59 17,077.37 7,255.03	880.82

**23 76 Evaporative Air-Cooling Equipment (23 70)**

**23 76 13 Direct Evaporative Air Coolers (23 76)**

**23 76 13 00-0001 Residential Side Or Down Draft Evaporative Cooling Unit (23 76 13)**

Note: Includes motor, belt and pads.

23 76 13 00-0002	EA	3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit .....	1,369.36	312.35
23 76 13 00-0003	EA	4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit .....	1,618.27	364.40
23 76 13 00-0004	EA	4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit .....	2,104.27	416.47
23 76 13 00-0005	EA	5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit .....	2,287.94	468.52
23 76 13 00-0006	EA	6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit .....	2,630.74	520.58
23 76 13 00-0007	EA	7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit .....	2,830.32	572.64

**23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers (23 76 13)**

Note: Excludes motor starter, piping, power wiring and equipment rigging.

23 76 13 00-0009	EA	7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit .....	2,633.45	292.04
23 76 13 00-0010	EA	8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit .....	2,717.66	301.50
23 76 13 00-0011	EA	9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit .....	3,222.66	418.72
23 76 13 00-0012	EA	11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit .....	6,988.82	494.27
23 76 13 00-0013	EA	13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit .....	7,520.69	723.60
23 76 13 00-0014	EA	16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit .....	8,629.15	771.84
23 76 13 00-0015	EA	15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit .....	7,889.68	868.32
23 76 13 00-0016	EA	19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit .....	9,345.38	1,085.40
23 76 13 00-0017	EA	17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit .....	9,305.75	1,418.82
23 76 13 00-0018	EA	22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit .....	10,388.80	1,447.19
23 76 13 00-0019	EA	24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit .....	10,922.03	1,608.03
23 76 13 00-0020	EA	30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit .....	14,572.01	2,512.52
23 76 13 00-0021	EA	35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit .....	16,381.64	2,621.74
23 76 13 00-0022	EA	40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit .....	18,211.16	2,740.89

**23 80 Decentralized Unitary HVAC Equipment (23)**

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

**23 81 Decentralized Unitary HVAC Equipment (23 80)**

**23 81 13 Packaged Terminal Air-Conditioners (23 81)**

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

**23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units (23 81 13)**

**23 81 13 11-0001 Packaged Terminal Air-Conditioners (23 81 13 11)**

**23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 11-0001)**

23 81 13 11-0003	EA	7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner..... <i>For &gt;35 To 70, Deduct</i> <i>For &gt;70 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	1,937.67 -46.42 -77.36 -108.31	195.22
23 81 13 11-0004	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner..... <i>For &gt;35 To 70, Deduct</i> <i>For &gt;70 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	2,019.32 -47.21 -78.68 -110.15	223.11
23 81 13 11-0005	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner..... <i>For &gt;35 To 70, Deduct</i> <i>For &gt;70 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	2,136.91 -49.82 -83.04 -116.26	237.77
23 81 13 11-0006	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner..... <i>For &gt;35 To 70, Deduct</i> <i>For &gt;70 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	2,309.65 -53.96 -89.94 -125.91	255.58

**23 81 13 11-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 11-0001)**

23 81 13 11-0008	EA	7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner .....	2,049.81	197.97
		<i>For &gt;35 To 70, Deduct</i>	-49.64	
		<i>For &gt;70 To 100, Deduct</i>	-82.73	
		<i>For &gt;100, Deduct</i>	-115.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 11-0009 EA 9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner .....	2,159.25	223.11
<i>For &gt;35 To 70, Deduct</i>	-51.41	
<i>For &gt;70 To 100, Deduct</i>	-85.68	
<i>For &gt;100, Deduct</i>	-119.95	
23 81 13 11-0010 EA 11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner .....	2,238.30	237.77
<i>For &gt;35 To 70, Deduct</i>	-52.87	
<i>For &gt;70 To 100, Deduct</i>	-88.11	
<i>For &gt;100, Deduct</i>	-123.35	
23 81 13 11-0011 EA 14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner .....	2,443.49	255.58
<i>For &gt;35 To 70, Deduct</i>	-57.98	
<i>For &gt;70 To 100, Deduct</i>	-96.63	
<i>For &gt;100, Deduct</i>	-135.28	
<b>23 81 13 11-0012 Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve</b> <small>(23 81 13 11)</small>		
<small>Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.</small>		
23 81 13 11-0013 EA Up To 10,000 BTU Unit, Thru Wall A/C Sleeve .....	91.79	
23 81 13 11-0014 EA >10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve .....	103.61	
23 81 13 11-0015 EA >20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve .....	115.44	
<b>23 81 13 11-0016 Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units</b> <small>(23 81 13 11)</small>		
<small>Note: Includes storage and cleaning.</small>		
23 81 13 11-0017 EA Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units .....	208.23	
<b>23 81 13 13 Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units</b> <small>(23 81 13)</small>		
<b>23 81 13 13-0001 Single Package Vertical Wall Cooling Unit</b> <small>(23 81 13 13)</small>		
<small>Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0884 for crane lifting equipment.</small>		
23 81 13 13-0002 EA 1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	4,817.18	236.89
23 81 13 13-0003 EA 1 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	6,627.83	248.17
23 81 13 13-0004 EA 1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	8,661.26	259.46
23 81 13 13-0005 EA 2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	9,959.04	282.01
23 81 13 13-0006 EA 2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	12,488.71	327.13
23 81 13 13-0007 EA 3 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	13,404.82	406.10
23 81 13 13-0008 EA 3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	14,841.43	451.22
23 81 13 13-0009 EA 4 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	16,343.97	507.63
23 81 13 13-0010 EA 5 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	18,393.06	609.14
23 81 13 13-0011 EA 7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	23,774.25	755.79
23 81 13 13-0012 EA 10 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	28,369.53	1,015.25
23 81 13 13-0013 EA 15 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	39,759.93	1,240.85
23 81 13 13-0014 EA 20 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	45,809.99	1,477.75
23 81 13 13-0015 EA 25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	54,741.88	1,658.24
<b>23 81 16 Room Air-Conditioners</b> <small>(23 81)</small>		
<small>Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.</small>		
23 81 16 00-0001 Window Unit, Room Air-Conditioners <small>(23 81 16)</small>		
23 81 16 00-0002 Cooling Only, Window Unit, Room Air-Conditioners <small>(23 81 16 00-0001)</small>		
23 81 16 00-0003 Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) <small>(23 81 16 00-0002)</small>		
23 81 16 00-0004 EA 5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1) .....	497.51	109.32
<i>For &gt;10 To 50, Deduct</i>	-13.94	
<i>For &gt;50 To 75, Deduct</i>	-19.52	
<i>For &gt;75 To 100, Deduct</i>	-27.89	
<i>For &gt;100, Deduct</i>	-33.46	
23 81 16 00-0005 EA 6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1) .....	525.53	109.32
<i>For &gt;10 To 50, Deduct</i>	-15.34	
<i>For &gt;50 To 75, Deduct</i>	-21.48	
<i>For &gt;75 To 100, Deduct</i>	-30.69	
<i>For &gt;100, Deduct</i>	-36.83	
23 81 16 00-0006 EA 8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1) .....	595.60	109.32
<i>For &gt;10 To 50, Deduct</i>	-18.85	
<i>For &gt;50 To 75, Deduct</i>	-26.39	
<i>For &gt;75 To 100, Deduct</i>	-37.70	
<i>For &gt;100, Deduct</i>	-45.23	
23 81 16 00-0007 EA 10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1) .....	658.57	109.32
<i>For &gt;10 To 50, Deduct</i>	-22.00	
<i>For &gt;50 To 75, Deduct</i>	-30.79	
<i>For &gt;75 To 100, Deduct</i>	-43.99	
<i>For &gt;100, Deduct</i>	-52.79	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 81 Decentralized Unitary HVAC Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0008	EA		12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1) .....	819.81	109.32
			<i>For &gt;10 To 50, Deduct</i>	-30.06	
			<i>For &gt;50 To 75, Deduct</i>	-42.08	
			<i>For &gt;75 To 100, Deduct</i>	-60.12	
			<i>For &gt;100, Deduct</i>	-72.14	
23 81 16 00-0009	EA		15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1) .....	959.94	109.32
			<i>For &gt;10 To 50, Deduct</i>	-37.06	
			<i>For &gt;50 To 75, Deduct</i>	-51.89	
			<i>For &gt;75 To 100, Deduct</i>	-74.13	
			<i>For &gt;100, Deduct</i>	-88.95	
23 81 16 00-0010	EA		8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1) .....	903.89	109.32
			<i>For &gt;10 To 50, Deduct</i>	-34.26	
			<i>For &gt;50 To 75, Deduct</i>	-47.97	
			<i>For &gt;75 To 100, Deduct</i>	-68.52	
			<i>For &gt;100, Deduct</i>	-82.23	
23 81 16 00-0011	EA		10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1) .....	973.95	109.32
			<i>For &gt;10 To 50, Deduct</i>	-37.77	
			<i>For &gt;50 To 75, Deduct</i>	-52.87	
			<i>For &gt;75 To 100, Deduct</i>	-75.53	
			<i>For &gt;100, Deduct</i>	-90.64	
23 81 16 00-0012	EA		12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1) .....	1,030.00	109.32
			<i>For &gt;10 To 50, Deduct</i>	-40.57	
			<i>For &gt;50 To 75, Deduct</i>	-56.79	
			<i>For &gt;75 To 100, Deduct</i>	-81.14	
			<i>For &gt;100, Deduct</i>	-97.36	
23 81 16 00-0013	EA		18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRS1833Q2) .....	1,086.05	109.32
			<i>For &gt;10 To 50, Deduct</i>	-43.37	
			<i>For &gt;50 To 75, Deduct</i>	-60.72	
			<i>For &gt;75 To 100, Deduct</i>	-86.74	
			<i>For &gt;100, Deduct</i>	-104.09	
23 81 16 00-0014	EA		22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2) .....	1,198.16	109.32
			<i>For &gt;10 To 50, Deduct</i>	-48.98	
			<i>For &gt;50 To 75, Deduct</i>	-68.57	
			<i>For &gt;75 To 100, Deduct</i>	-97.95	
			<i>For &gt;100, Deduct</i>	-117.54	
23 81 16 00-0015	EA		25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2) .....	1,212.17	109.32
			<i>For &gt;10 To 50, Deduct</i>	-49.68	
			<i>For &gt;50 To 75, Deduct</i>	-69.55	
			<i>For &gt;75 To 100, Deduct</i>	-99.35	
			<i>For &gt;100, Deduct</i>	-119.22	
23 81 16 00-0016	EA		28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2) .....	1,831.64	109.32
			<i>For &gt;10 To 50, Deduct</i>	-80.65	
			<i>For &gt;50 To 75, Deduct</i>	-112.91	
			<i>For &gt;75 To 100, Deduct</i>	-161.30	
			<i>For &gt;100, Deduct</i>	-193.56	
23 81 16 00-0017			<b>Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl)</b> <small>(23 81 16 00-0002)</small>		
23 81 16 00-0018	EA		8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C) .....	1,945.84	109.32
23 81 16 00-0019	EA		10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C) .....	2,137.94	109.32
23 81 16 00-0020	EA		11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C) .....	2,225.26	109.32
23 81 16 00-0021	EA		12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C) .....	2,260.19	109.32
23 81 16 00-0022	EA		20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C) .....	2,574.54	109.32
23 81 16 00-0023	EA		24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C) .....	3,360.42	109.32
23 81 16 00-0024	EA		28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C) .....	3,622.38	109.32
23 81 16 00-0025	EA		36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B) .....	3,971.66	109.32
23 81 16 00-0026			<b>Heating And Cooling, Window Unit, Room Air-Conditioners</b> <small>(23 81 16 00-0001)</small>		
23 81 16 00-0027			<b>Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire)</b> <small>(23 81 16 00-0026)</small>		
23 81 16 00-0028	EA		8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1) .....	1,030.00	109.32
			<i>For &gt;10 To 50, Deduct</i>	-40.57	
			<i>For &gt;50 To 75, Deduct</i>	-56.79	
			<i>For &gt;75 To 100, Deduct</i>	-81.14	
			<i>For &gt;100, Deduct</i>	-97.36	
23 81 16 00-0029	EA		12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2) .....	1,184.15	109.32
			<i>For &gt;10 To 50, Deduct</i>	-48.28	
			<i>For &gt;50 To 75, Deduct</i>	-67.59	
			<i>For &gt;75 To 100, Deduct</i>	-96.55	
			<i>For &gt;100, Deduct</i>	-115.86	
23 81 16 00-0030	EA		18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2) .....	1,268.22	109.32
			<i>For &gt;10 To 50, Deduct</i>	-52.48	
			<i>For &gt;50 To 75, Deduct</i>	-73.47	
			<i>For &gt;75 To 100, Deduct</i>	-104.96	
			<i>For &gt;100, Deduct</i>	-125.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0031 EA 25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2) .....	1,576.51	109.32
<i>For &gt;10 To 50, Deduct</i>	-67.89	
<i>For &gt;50 To 75, Deduct</i>	-95.05	
<i>For &gt;75 To 100, Deduct</i>	-135.79	
<i>For &gt;100, Deduct</i>	-162.94	
<b>23 81 16 00-0032 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) (23 81 16 00-0026)</b>		
23 81 16 00-0033 EA 12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B) .....	2,347.51	109.32
<b>23 81 16 00-0034 Accessories (23 81 16 00-0001)</b>		
23 81 16 00-0035 SET Aluminum Air Conditioner Unit Frame And Bracket Assembly.....	572.88	57.61
<b>23 81 16 00-0036 Removal And Reinstallation Of Room Air-Conditioners (23 81 16)</b>		
Note: Includes storage and cleaning.		
23 81 16 00-0037 EA Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash .....	130.14	
23 81 16 00-0038 EA Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash .....	282.49	
<b>23 81 16 00-0039 Through-The-Wall, Room Air-Conditioners (23 81 16)</b>		
Note: Base unit excludes wall sleeve.		
<b>23 81 16 00-0040 Cooling Only, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0039)</b>		
<b>23 81 16 00-0041 Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 16 00-0040)</b>		
23 81 16 00-0042 EA 8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A).....	1,464.23	78.08
<i>For &gt;10 To 50, Deduct</i>	-65.40	
<i>For &gt;50 To 75, Deduct</i>	-91.56	
<i>For &gt;75 To 100, Deduct</i>	-130.81	
<i>For &gt;100, Deduct</i>	-156.97	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	275.07	
23 81 16 00-0043 EA 9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B).....	1,586.48	78.08
<i>For &gt;10 To 50, Deduct</i>	-71.52	
<i>For &gt;50 To 75, Deduct</i>	-100.12	
<i>For &gt;75 To 100, Deduct</i>	-143.03	
<i>For &gt;100, Deduct</i>	-171.64	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	275.07	
23 81 16 00-0044 EA 12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A).....	1,813.51	78.08
<i>For &gt;10 To 50, Deduct</i>	-82.87	
<i>For &gt;50 To 75, Deduct</i>	-116.01	
<i>For &gt;75 To 100, Deduct</i>	-165.73	
<i>For &gt;100, Deduct</i>	-198.88	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	275.07	
23 81 16 00-0045 EA 10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A).....	1,586.48	78.08
<i>For &gt;10 To 50, Deduct</i>	-71.52	
<i>For &gt;50 To 75, Deduct</i>	-100.12	
<i>For &gt;75 To 100, Deduct</i>	-143.03	
<i>For &gt;100, Deduct</i>	-171.64	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	275.07	
23 81 16 00-0046 EA 12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A).....	1,813.51	78.08
<i>For &gt;10 To 50, Deduct</i>	-82.87	
<i>For &gt;50 To 75, Deduct</i>	-116.01	
<i>For &gt;75 To 100, Deduct</i>	-165.73	
<i>For &gt;100, Deduct</i>	-198.88	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	275.07	
<b>23 81 16 00-0047 Heating And Cooling, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0039)</b>		
<b>23 81 16 00-0048 Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 16 00-0047)</b>		
23 81 16 00-0049 EA 10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33).....	1,865.91	78.08
<i>For &gt;10 To 50, Deduct</i>	-85.49	
<i>For &gt;50 To 75, Deduct</i>	-119.68	
<i>For &gt;75 To 100, Deduct</i>	-170.97	
<i>For &gt;100, Deduct</i>	-205.17	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	275.07	
23 81 16 00-0050 EA 12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33).....	2,005.62	78.08
<i>For &gt;10 To 50, Deduct</i>	-92.47	
<i>For &gt;50 To 75, Deduct</i>	-129.46	
<i>For &gt;75 To 100, Deduct</i>	-184.94	
<i>For &gt;100, Deduct</i>	-221.93	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	275.07	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**23 81 23 Computer-Room Air-Conditioners (23 81)**

Note: Includes equipment rigging. Indoor units include filters.

**23 81 23 12 Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units (23 81)**

23 81 23 12-0001	Floor Mounted Air Cooled Direct Expansion Type (23 81 23 12)		
	Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.		
23 81 23 12-0002	EA 3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	36,110.66	2,222.25
	Note: Includes interior unit and remote condenser. Excludes piping.		
	For Liebert Unit, Add	4,096.70	
23 81 23 12-0003	EA 5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	39,857.62	2,430.58
	Note: Includes interior unit and remote condenser. Excludes piping.		
	For Liebert Unit, Add	4,523.95	
23 81 23 12-0004	EA 6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	55,282.18	2,777.81
	Note: Includes interior unit and remote condenser. Excludes piping.		
	For Liebert Unit, Add	6,393.83	
23 81 23 12-0005	EA 8 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	60,526.81	2,951.42
	Note: Includes interior unit and remote condenser. Excludes piping.		
	For Liebert Unit, Add	7,017.13	
23 81 23 12-0006	EA 10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	65,771.44	3,125.04
	Note: Includes interior unit and remote condenser. Excludes piping.		
	For Liebert Unit, Add	7,640.43	
23 81 23 12-0007	EA 16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	73,637.90	3,750.04
	Note: Includes interior unit and remote condenser. Excludes piping.		
	For Liebert Unit, Add	8,497.43	
23 81 23 12-0008	EA 20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	83,224.93	4,166.71
	Note: Includes interior unit and remote condenser. Excludes piping.		
	For Liebert Unit, Add	9,628.45	
23 81 23 12-0009	EA 22 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	87,080.03	4,304.14
	Note: Includes interior unit and remote condenser. Excludes piping.		
	For Liebert Unit, Add	10,080.71	
23 81 23 12-0010	EA 24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	94,847.56	4,444.49
	Note: Includes interior unit and remote condenser. Excludes piping.		
	For Liebert Unit, Add	11,021.68	
23 81 23 12-0011	EA 30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	102,560.65	5,000.05
	Note: Includes interior unit and remote condenser. Excludes piping.		
	For Liebert Unit, Add	11,890.48	
23 81 23 12-0012	Floor Mounted Chilled Water Type (23 81 23 12)		
	Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.		
23 81 23 12-0013	EA 3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	21,583.78	1,522.70
	For Liebert Unit, Add	2,444.19	
23 81 23 12-0014	EA 5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	23,194.85	1,686.67
	For Liebert Unit, Add	2,618.25	
23 81 23 12-0015	EA 12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	28,692.52	2,569.05
	For Liebert Unit, Add	3,158.39	
23 81 23 12-0016	EA 16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	29,997.42	2,602.90
	For Liebert Unit, Add	3,315.91	
23 81 23 12-0017	EA 20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	31,150.62	2,707.01
	For Liebert Unit, Add	3,440.92	
23 81 23 12-0018	EA 22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	31,883.84	2,967.30
	For Liebert Unit, Add	3,490.93	
23 81 23 12-0019	EA 31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	33,822.40	3,227.59
	For Liebert Unit, Add	3,690.95	
23 81 23 12-0020	Floor Mounted Water Source (23 81 23 12)		
	Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes water source.		
23 81 23 12-0021	EA 3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	16,717.63	1,388.90
	For Liebert Unit, Add	1,830.25	
23 81 23 12-0022	EA 5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	18,398.77	1,458.35
	For Liebert Unit, Add	2,027.35	
23 81 23 12-0023	EA 6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	23,851.98	1,527.80
	For Liebert Unit, Add	2,696.09	
23 81 23 12-0024	EA 8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	25,704.66	1,666.69
	For Liebert Unit, Add	2,900.24	
23 81 23 12-0025	EA 10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	28,391.09	1,805.58
	For Liebert Unit, Add	3,209.97	
23 81 23 12-0026	EA 12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	29,505.40	1,944.46
	For Liebert Unit, Add	3,322.60	
23 81 23 12-0027	EA 15 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	30,805.78	2,083.35
	For Liebert Unit, Add	3,463.39	
23 81 23 12-0028	EA 20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	31,677.69	2,222.25
	For Liebert Unit, Add	3,547.86	
23 81 23 12-0029	EA 25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	36,231.19	2,638.91
	For Liebert Unit, Add	4,035.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 81 23 12-0030</b> <b>Floor Mounted Glycol System Type</b> <small>(23 81 23 12)</small>		
Note: Includes drycoolers, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.		
23 81 23 12-0031    EA    3 Ton Computer Room Air Conditioner, Glycol System Type.....	43,953.49	1,522.70
<i>For Liebert Unit, Add</i>		
	<i>5,240.41</i>	
23 81 23 12-0032    EA    5 Ton Computer Room Air Conditioner, Glycol System Type.....	47,291.58	1,686.67
<i>For Liebert Unit, Add</i>		
	<i>5,630.34</i>	
23 81 23 12-0033    EA    6 Ton Computer Room Air Conditioner, Glycol System Type.....	73,275.20	1,889.70
<i>For Liebert Unit, Add</i>		
	<i>8,844.45</i>	
23 81 23 12-0034    EA    9 Ton Computer Room Air Conditioner, Glycol System Type.....	75,547.39	2,092.73
<i>For Liebert Unit, Add</i>		
	<i>9,094.64</i>	
23 81 23 12-0035    EA    10 Ton Computer Room Air Conditioner, Glycol System Type.....	80,830.86	2,295.75
<i>For Liebert Unit, Add</i>		
	<i>9,721.23</i>	
23 81 23 12-0036    EA    16 Ton Computer Room Air Conditioner, Glycol System Type.....	96,800.88	2,602.90
<i>For Liebert Unit, Add</i>		
	<i>11,664.13</i>	
23 81 23 12-0037    EA    20 Ton Computer Room Air Conditioner, Glycol System Type.....	106,204.43	2,707.01
<i>For Liebert Unit, Add</i>		
	<i>12,822.65</i>	
23 81 23 12-0038    EA    22 Ton Computer Room Air Conditioner, Glycol System Type.....	110,071.80	2,967.30
<i>For Liebert Unit, Add</i>		
	<i>13,264.42</i>	
23 81 23 12-0039    EA    30 Ton Computer Room Air Conditioner, Glycol System Type.....	134,247.80	3,227.59
<i>For Liebert Unit, Add</i>		
	<i>16,244.13</i>	
<b>23 81 23 12-0040</b> <b>Removal And Reinstallation Of Computer Room Unit</b> <small>(23 81 23 12)</small>		
Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.		
23 81 23 12-0041    EA    Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit.....	2,082.32	
23 81 23 12-0042    EA    Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit .....	1,735.27	
<b>23 81 23 13</b> <b>Computer-Room Air-Conditioners, Ceiling Mounted Units</b> <small>(23 81 23)</small>		
<b>23 81 23 13-0001</b> <b>Ceiling Mounted Packaged Computer Room Air Conditioner</b> <small>(23 81 23 13)</small>		
Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand, and outdoor air cooled condenser complete with fan speed control.		
23 81 23 13-0002    EA    1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System .....	14,343.22	660.10
<i>For Liebert Unit, Add</i>		
	<i>1,669.19</i>	
23 81 23 13-0003    EA    1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System .....	15,854.12	792.74
<i>For Liebert Unit, Add</i>		
	<i>1,833.20</i>	
23 81 23 13-0004    EA    2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System .....	18,100.86	992.12
<i>For Liebert Unit, Add</i>		
	<i>2,076.69</i>	
23 81 23 13-0005    EA    3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System .....	22,244.65	1,157.46
<i>For Liebert Unit, Add</i>		
	<i>2,563.67</i>	
23 81 23 13-0006    EA    5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System .....	30,187.28	1,258.03
<i>For Liebert Unit, Add</i>		
	<i>3,537.64</i>	
<b>23 81 26</b> <b>Split-System Air-Conditioners</b> <small>(23 81)</small>		
<b>23 81 26 13</b> <b>Small-Capacity Split-System Air-Conditioners</b> <small>(23 81 26)</small>		
<b>23 81 26 13-0001</b> <b>Split System A/C Unit</b> <small>(23 81 26 13)</small>		
See CSI section 23 23 16 00-0001 for piping.		
<b>23 81 26 13-0002</b> <b>Ductless Split System Air Conditioners</b> <small>(23 81 26 13-0001)</small>		
Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0025 for ductless heat pumps.		
<b>23 81 26 13-0003</b> <b>Wall Mounted Ductless Split System Air Conditioners</b> <small>(23 81 26 13-0002)</small>		
23 81 26 13-0004    EA    9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners .....	2,135.57	343.58
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0005    EA    11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner.....	2,311.50	374.81
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0006    EA    17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners .....	2,892.31	416.47
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0007    EA    24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners .....	3,212.78	458.11
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0008    EA    25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners .....	4,962.15	499.76
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0009    EA    29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners .....	5,781.16	520.58
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0010    EA    31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners .....	6,344.03	554.93
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
<b>23 81 26 13-0011</b> <b>Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners</b> <small>(23 81 26 13-0002)</small>		
Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 26 13-0012    EA    7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners .....	919.20	166.59
Note: Includes indoor unit and wireless thermostat.		
23 81 26 13-0013    EA    9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners .....	971.27	177.00
Note: Includes indoor unit and wireless thermostat.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0014 EA 11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners.....	1,024.23	187.41
Note: Includes indoor unit and wireless thermostat.		
23 81 26 13-0015 EA 17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners.....	1,158.90	197.82
Note: Includes indoor unit and wireless thermostat.		
23 81 26 13-0016 EA 24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners.....	1,239.69	208.23
Note: Includes indoor unit and wireless thermostat.		
23 81 26 13-0017 EA 19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners.....	2,557.53	249.88
Note: Includes outdoor unit and refrigerant charge.		
23 81 26 13-0018 EA 25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners.....	2,829.53	270.70
Note: Includes outdoor unit and refrigerant charge.		
23 81 26 13-0019 EA 30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners.....	4,484.04	291.52
Note: Includes outdoor unit and refrigerant charge.		
<b>23 81 26 13-0020 Suspended Ceiling Mounted Ductless Split System Air Conditioners</b> (23 81 26 13-0002)		
Note: Excludes hangers.		
23 81 26 13-0021 EA 24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners.....	5,315.26	499.76
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0022 EA 31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners.....	6,477.50	596.59
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0023 EA 39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners.....	7,912.33	624.69
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
<b>23 81 26 13-0024 Recessed Ceiling Mounted Ductless Split System Air Conditioners</b> (23 81 26 13-0002)		
Note: Excludes hangers.		
23 81 26 13-0025 EA 11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners.....	3,255.89	416.47
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0026 EA 17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners.....	3,797.21	458.11
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0027 EA 24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners.....	5,284.71	541.40
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0028 EA 32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners.....	6,118.41	596.59
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0029 EA 39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners.....	7,732.78	624.69
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
<b>23 81 26 13-0030 Ductless Split System Accessories</b> (23 81 26 13-0002)		
23 81 26 13-0031 LF 3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	13.20	1.49
23 81 26 13-0032 LF 4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	17.13	1.64
23 81 26 13-0033 LF 6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	21.45	1.80
23 81 26 13-0034 EA 3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	22.01	2.80
23 81 26 13-0035 EA 4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	38.67	3.08
23 81 26 13-0036 EA 6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	44.12	3.38
23 81 26 13-0037 EA 3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	55.34	5.60
23 81 26 13-0038 EA 4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	93.17	6.15
23 81 26 13-0039 EA 6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	104.07	6.77
23 81 26 13-0040 EA 3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	74.54	5.97
23 81 26 13-0041 EA 4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	87.64	6.57
23 81 26 13-0042 EA 6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	137.07	7.22
23 81 26 13-0043 EA 3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	55.34	5.60
23 81 26 13-0044 EA 4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	93.17	6.15
23 81 26 13-0045 EA 6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	104.07	6.77
23 81 26 13-0046 EA 3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	71.16	9.33
23 81 26 13-0047 EA 4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	105.61	10.26
23 81 26 13-0048 EA 6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	126.79	11.28
23 81 26 13-0049 EA 2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	41.77	1.86
23 81 26 13-0050 EA 3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	44.05	5.60
23 81 26 13-0051 EA 4" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	72.84	6.15
23 81 26 13-0052 EA 3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	39.53	5.60
23 81 26 13-0053 EA 4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	54.77	6.15
23 81 26 13-0054 EA 6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	58.89	6.77
23 81 26 13-0055 EA 4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	201.05	7.46
23 81 26 13-0056 EA 6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	228.15	8.21
23 81 26 13-0057 EA 14" Condensing Unit Mounting Blocks With End Caps.....	116.37	27.98
23 81 26 13-0058 EA 17" Condensing Unit Mounting Blocks With End Caps.....	128.80	29.84
23 81 26 13-0059 EA 36" Condensing Unit Mounting Blocks With End Caps.....	179.64	31.70
23 81 26 13-0060 EA End Cap, Set of 4.....	22.57	
23 81 26 13-0061 EA 18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity.....	248.72	55.95
23 81 26 13-0062 EA 21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity.....	263.89	59.68
23 81 26 13-0063 LF 5/8" ID Condensate Drain Line.....	2.96	0.15
23 81 26 13-0064 LF 3/4" ID Condensate Drain Line.....	3.07	0.15
<b>23 81 26 13-0065 Cased A/C Evaporator Coils</b> (23 81 26 13-0001)		
<b>23 81 26 13-0066 Vertical Cased A/C Evaporator Coils</b> (23 81 26 13-0065)		
23 81 26 13-0067 EA 1-1/2 Ton Vertical Cased A/C Evaporator Coil.....	666.05	104.75
23 81 26 13-0068 EA 2 Ton Vertical Cased A/C Evaporator Coil.....	694.53	112.60
23 81 26 13-0069 EA 2-1/2 Ton Vertical Cased A/C Evaporator Coil.....	827.12	120.45
23 81 26 13-0070 EA 3 Ton Vertical Cased A/C Evaporator Coil.....	943.30	128.31





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				23 81 26 13-0071 EA 3-1/2 Ton Vertical Cased A/C Evaporator Coil.....	1,092.57	133.55
				23 81 26 13-0072 EA 4 Ton Vertical Cased A/C Evaporator Coil.....	1,219.92	138.78
				23 81 26 13-0073 EA 4-1/2 Ton Vertical Cased A/C Evaporator Coil.....	1,310.27	149.27
				23 81 26 13-0074 EA 5 Ton Vertical Cased A/C Evaporator Coil.....	1,318.70	157.12
<b>23 81 26 13-0075 "A" Style Horizontal Cased A/C Evaporator Coils (23 81 26 13-0065)</b>						
				23 81 26 13-0076 EA 2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	817.39	107.36
				23 81 26 13-0077 EA 2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	940.78	113.39
				23 81 26 13-0078 EA 3 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,078.11	120.45
				23 81 26 13-0079 EA 3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,117.08	124.80
				23 81 26 13-0080 EA 4 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,169.51	130.93
				23 81 26 13-0081 EA 4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,183.27	137.74
				23 81 26 13-0082 EA 5 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,196.75	144.54
<b>23 81 26 13-0083 Slab Style Horizontal Cased A/C Evaporator Coils (23 81 26 13-0065)</b>						
				23 81 26 13-0084 EA 2 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	713.29	107.36
				23 81 26 13-0085 EA 3 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	857.13	120.45
				23 81 26 13-0086 EA 4 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	990.54	130.93
				23 81 26 13-0087 EA 5 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	1,194.93	144.54
<b>23 81 26 16 Large-Capacity Split-System Air-Conditioners (23 81 26)</b>						
<b>23 81 26 16-0001 Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) (23 81 26 16)</b>						
<b>23 81 26 16-0002 Outdoor Units (23 81 26 16-0001)</b>						
				23 81 26 16-0003 EA 6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A).....	14,824.55	546.61
				23 81 26 16-0004 EA 8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A).....	16,075.32	650.72
				23 81 26 16-0005 EA 10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A).....	18,099.92	780.87
				23 81 26 16-0006 EA 12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A).....	22,277.61	806.90
				23 81 26 16-0007 EA 12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A).....	29,627.50	832.93
				23 81 26 16-0008 EA 14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A).....	30,722.11	858.95
				23 81 26 16-0009 EA 16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A).....	31,816.71	884.98
				23 81 26 16-0010 EA 18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A).....	33,685.14	937.04
				23 81 26 16-0011 EA 20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A).....	35,553.57	989.10
				23 81 26 16-0012 EA 22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A).....	39,783.32	1,041.16
				23 81 26 16-0013 EA 24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A).....	44,013.07	1,093.22
<b>23 81 26 16-0014 Indoor Units (23 81 26 16-0001)</b>						
				23 81 26 16-0015 EA 6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2).....	1,541.31	169.19
				23 81 26 16-0016 EA 8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2).....	1,620.80	182.21
				23 81 26 16-0017 EA 12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2).....	1,691.39	195.22
				23 81 26 16-0018 EA 15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2).....	1,775.35	208.23
				23 81 26 16-0019 EA 18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2).....	1,924.71	247.28
				23 81 26 16-0020 EA 24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2).....	2,150.90	299.33
				23 81 26 16-0021 EA 30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2).....	2,330.38	325.36
				23 81 26 16-0022 EA 6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3).....	2,230.08	186.11
				23 81 26 16-0023 EA 8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3).....	2,307.72	200.43
				23 81 26 16-0024 EA 12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3).....	2,434.38	214.74
				23 81 26 16-0025 EA 15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3).....	2,641.22	229.06
				23 81 26 16-0026 EA 18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3).....	2,789.49	272.00
				23 81 26 16-0027 EA 24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3).....	3,064.41	329.26
				23 81 26 16-0028 EA 27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3).....	3,222.25	343.58
				23 81 26 16-0029 EA 30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3).....	3,397.91	357.89
				23 81 26 16-0030 EA 36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3).....	3,768.00	393.69
				23 81 26 16-0031 EA 48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3).....	4,176.43	433.05
				23 81 26 16-0032 EA 54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3).....	4,521.45	476.36
				23 81 26 16-0033 EA 72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E).....	5,726.10	524.00
				23 81 26 16-0034 EA 96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E).....	6,499.20	576.40
				23 81 26 16-0035 EA 12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E).....	2,535.07	214.74
				23 81 26 16-0036 EA 15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E).....	2,673.30	229.06
				23 81 26 16-0037 EA 18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E).....	2,824.24	272.00
				23 81 26 16-0038 EA 24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E).....	3,167.77	329.26
				23 81 26 16-0039 EA 30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E).....	3,413.06	357.89
				23 81 26 16-0040 EA 36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E).....	4,173.43	393.69
				23 81 26 16-0041 EA 6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5).....	2,279.09	186.11
				23 81 26 16-0042 EA 8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5).....	2,396.83	200.43

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0043	EA		12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5) .....	2,576.95	214.74
23 81 26 16-0044	EA		15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5) .....	2,712.51	229.06
23 81 26 16-0045	EA		8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4) .....	2,111.69	200.43
23 81 26 16-0046	EA		12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4) .....	2,220.52	214.74
23 81 26 16-0047	EA		15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4) .....	2,333.80	229.06
<b>23 81 26 16-0048</b>			<b>Controllers For Outdoor Units</b> <small>(23 81 26 16-0001)</small>		
23 81 26 16-0049	EA		8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1) .....	8,020.07	156.18
23 81 26 16-0050	EA		10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1) .....	9,275.06	182.21
23 81 26 16-0051	EA		13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA) .....	10,249.38	208.23
23 81 26 16-0052	EA		16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA) .....	12,163.76	234.26
23 81 26 16-0053	EA		4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB) .....	4,471.98	104.11
23 81 26 16-0054	EA		8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB) .....	6,888.42	156.18
23 81 26 16-0055	EA		16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB) .....	10,528.66	234.26
<b>23 81 26 16-0056</b>			<b>Energy Recovery Units</b> <small>(23 81 26 16-0001)</small>		
23 81 26 16-0057	EA		36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMU-E2-AU) .....	5,676.57	156.18
23 81 26 16-0058	EA		39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMU-E-BU) .....	10,737.82	156.18
23 81 26 16-0059	EA		112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR) .....	10,892.34	182.21
23 81 26 16-0060	EA		Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E) .....	2,265.19	130.14
23 81 26 16-0061	EA		Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E) .....	2,885.98	135.35
23 81 26 16-0062	EA		Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E) .....	3,439.94	140.56
23 81 26 16-0063	EA		Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1) .....	6,269.13	156.18
<b>23 81 26 16-0064</b>			<b>Piping Specialties</b> <small>(23 81 26 16-0001)</small>		
23 81 26 16-0065	EA		Maintenance Tool Interface (Mitsubishi CMS-MNG-E) .....	793.05	
23 81 26 16-0066	EA		Branch Joint (Mitsubishi CMY-Y102SS-G2) .....	212.18	39.78
23 81 26 16-0067	EA		Branch Joint (Mitsubishi CMY-Y102LS-G2) .....	212.18	39.78
23 81 26 16-0068	EA		Branch Joint (Mitsubishi CMY-Y202S-G2) .....	235.23	41.88
23 81 26 16-0069	EA		Branch Joint (Mitsubishi CMY-Y302S-G2) .....	294.71	47.12
23 81 26 16-0070	EA		Header - 4 Branch (Mitsubishi CMY-Y64-G-E) .....	385.61	68.05
23 81 26 16-0071	EA		Header - 8 Branch (Mitsubishi CMY-Y68-G-E) .....	655.37	136.11
23 81 26 16-0072	EA		Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI) .....	118.15	16.75
23 81 26 16-0073	EA		Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI) .....	133.39	23.03
<b>23 81 26 16-0074</b>			<b>Split System Air Conditioners (Daikin VRV)</b> <small>(23 81 26 16)</small>		
<b>23 81 26 16-0075</b>			<b>Heat Pump Outdoor Units</b> <small>(23 81 26 16-0074)</small>		
23 81 26 16-0076	EA		6 Ton Heat Pump Outdoor Unit (Daikin RXYQ72PBTJ) .....	24,410.99	546.61
23 81 26 16-0077	EA		8 Ton Heat Pump Outdoor Unit (Daikin RXYQ96PBTJ) .....	27,278.26	650.72
23 81 26 16-0078	EA		10 Ton Heat Pump Outdoor Unit (Daikin RXYQ120PBTJ) .....	30,402.14	780.87
23 81 26 16-0079	EA		12 Ton Heat Pump Outdoor Unit (Daikin RXYQ144PBTJ) .....	38,022.24	806.90
23 81 26 16-0080	EA		14 Ton Heat Pump Outdoor Unit (Daikin RXYQ168PBTJ) .....	51,012.49	858.95
23 81 26 16-0081	EA		16 Ton Heat Pump Outdoor Unit (Daikin RXYQ192PBTJ) .....	53,928.13	884.98
23 81 26 16-0082	EA		18 Ton Heat Pump Outdoor Unit (Daikin RXYQ216PBTJ) .....	56,691.29	937.04
23 81 26 16-0083	EA		20 Ton Heat Pump Outdoor Unit (Daikin RXYQ240PBTJ) .....	59,659.00	989.10
23 81 26 16-0084	EA		22 Ton Heat Pump Outdoor Unit (Daikin RXYQ264PBTJ) .....	77,353.72	1,041.16
23 81 26 16-0085	EA		24 Ton Heat Pump Outdoor Unit (Daikin RXYQ288PBTJ) .....	80,321.41	1,093.22
23 81 26 16-0086	EA		26 Ton Heat Pump Outdoor Unit (Daikin RXYQ312PBTJ) .....	83,289.11	1,145.27
23 81 26 16-0087	EA		28 Ton Heat Pump Outdoor Unit (Daikin RXYQ336PBTJ) .....	86,052.27	1,197.33
23 81 26 16-0088	EA		30 Ton Heat Pump Outdoor Unit (Daikin RXYQ360PBTJ) .....	89,019.98	1,249.39
<b>23 81 26 16-0089</b>			<b>Heat Recovery Heat Pump Outdoor Units</b> <small>(23 81 26 16-0074)</small>		
23 81 26 16-0090	EA		6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ72PBTJ) .....	31,259.20	710.59
23 81 26 16-0091	EA		8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ96PBTJ) .....	34,075.10	845.94
23 81 26 16-0092	EA		10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ120PBTJ) .....	37,415.99	1,015.13
23 81 26 16-0093	EA		12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ144PBTJ) .....	47,097.14	1,048.97
23 81 26 16-0094	EA		14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ168PBTJ) .....	63,800.37	1,116.64
23 81 26 16-0095	EA		16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ192PBTJ) .....	68,777.05	1,150.48
23 81 26 16-0096	EA		18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ216PBTJ) .....	71,366.91	1,218.15
23 81 26 16-0097	EA		20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ240PBTJ) .....	73,956.75	1,285.83
23 81 26 16-0098	EA		22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ264PBTJ) .....	97,512.15	1,353.51
23 81 26 16-0099	EA		24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ288PBTJ) .....	100,102.00	1,421.18
23 81 26 16-0100	EA		26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ312PBTJ) .....	105,146.36	1,488.85
23 81 26 16-0101	EA		28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ336PBTJ) .....	107,736.21	1,556.53
<b>23 81 26 16-0102</b>			<b>Indoor Units</b> <small>(23 81 26 16-0074)</small>		
23 81 26 16-0103	EA		7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ07PVJU) .....	2,757.15	182.21
23 81 26 16-0104	EA		9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ09PVJU) .....	2,881.41	187.41
23 81 26 16-0105	EA		12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ12PVJU) .....	3,265.59	195.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0106 EA 18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ18PVJU) .....	3,651.44	247.28
23 81 26 16-0107 EA 24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ24PVJU) .....	3,998.69	299.33
23 81 26 16-0108 EA 7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ07PVJU) .....	4,059.44	200.43
23 81 26 16-0109 EA 9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ09PVJU) .....	4,196.32	206.15
23 81 26 16-0110 EA 12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ12PVJU) .....	4,408.40	114.52
23 81 26 16-0111 EA 18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ18PVJU) .....	4,667.64	272.00
23 81 26 16-0112 EA 24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ24PVJU) .....	5,528.94	329.26
23 81 26 16-0113 EA 30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ30PVJU) .....	6,329.12	357.89
23 81 26 16-0114 EA 36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ36PVJU) .....	6,759.62	393.69
23 81 26 16-0115 EA 48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ48PVJU) .....	6,983.08	433.05
23 81 26 16-0116 EA 7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ07M7VJU) .....	4,549.57	200.43
23 81 26 16-0117 EA 9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ09M7VJU) .....	4,657.51	206.15
23 81 26 16-0118 EA 12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ12M7VJU) .....	4,954.49	214.74
23 81 26 16-0119 EA 18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ18M7VJU) .....	5,271.62	272.00
<b>23 81 26 16-0120 Branch Selector Boxes</b> <small>(23 81 26 16-0074)</small>		
23 81 26 16-0121 EA 144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin BSV4Q36PVJU) .....	13,968.28	234.26
23 81 26 16-0122 EA 216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin BSV6Q36PVJU) .....	20,669.79	312.35
23 81 26 16-0123 EA 36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin BSVQ36PVJU) .....	2,736.06	104.11
23 81 26 16-0124 EA 60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ60PVJU) .....	3,683.43	156.18
23 81 26 16-0125 EA 96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ96PVJU) .....	4,559.36	234.26
<b>23 81 26 16-0126 Controllers</b> <small>(23 81 26 16-0074)</small>		
23 81 26 16-0127 EA Up To 16 Units, Navigation Controller (Daikin BRC1E71) .....	835.36	20.82
23 81 26 16-0128 EA Individual Zone Controller (Daikin BRC2A71) .....	596.09	20.82
23 81 26 16-0129 EA Up To 16 Groups, Unified ON/OFF Controller (Daikin DCS301C71) .....	1,180.77	20.82
23 81 26 16-0130 EA Up To 64 Units, Multizone Controller (Daikin DCS302C71) .....	1,665.11	20.82
23 81 26 16-0131 EA I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin DCM601A71) .....	15,427.37	249.88
23 81 26 16-0132 EA I-Touch Manager D3net Plus Adapter (Daikin DCM601A72) .....	2,909.73	20.82
23 81 26 16-0133 EA 24 Volt AC, Wired Thermostat For Split A/C Systems (Daikin DACA-TS1-1) .....	636.07	36.74
<b>23 81 26 16-0134 Energy Recovery Units</b> <small>(23 81 26 16-0074)</small>		
23 81 26 16-0135 EA 300 CFM Energy Recovery Unit (Daikin VAM300GVJU) .....	4,812.31	130.14
23 81 26 16-0136 EA 470 CFM Energy Recovery Unit (Daikin VAM470GVJU) .....	6,254.51	135.35
23 81 26 16-0137 EA 600 CFM Energy Recovery Unit (Daikin VAM600GVJU) .....	7,492.17	140.56
23 81 26 16-0138 EA 1,200 CFM Energy Recovery Unit (Daikin VAM1200GVJU) .....	14,016.65	156.18
<b>23 81 43 Air-Source Unitary Heat Pumps</b> <small>(23 81)</small>		
<b>23 81 43 00-0001 Single Package Thru-Wall Heat Pumps</b> <small>(23 81 43)</small>		
Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-0884 for crane lifting equipment.		
23 81 43 00-0002 EA 1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat .....	1,985.96	169.21
For Unit Economizer, Add	264.95	
For >35 To 70, Deduct	-49.76	
For >70 To 100, Deduct	-82.94	
For >100, Deduct	-116.12	
For Low Ambient Protection, 0 Degree F, Add	231.08	
23 81 43 00-0003 EA 1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat .....	2,192.85	180.49
For Unit Economizer, Add	293.01	
For >35 To 70, Deduct	-55.29	
For >70 To 100, Deduct	-92.16	
For >100, Deduct	-129.02	
For Low Ambient Protection, 0 Degree F, Add	253.31	
23 81 43 00-0004 EA 1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat .....	3,741.09	180.49
For Unit Economizer, Add	509.76	
For >35 To 70, Deduct	-101.74	
For >70 To 100, Deduct	-169.57	
For >100, Deduct	-237.40	
For Low Ambient Protection, 0 Degree F, Add	392.65	
23 81 43 00-0005 EA 2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat .....	4,095.41	180.49
For Unit Economizer, Add	558.47	
For >35 To 70, Deduct	-111.69	
For >70 To 100, Deduct	-186.16	
For >100, Deduct	-260.62	
For Low Ambient Protection, 0 Degree F, Add	204.76	
23 81 43 00-0006 EA 2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat .....	4,634.06	191.77
For Unit Economizer, Add	632.98	
For >35 To 70, Deduct	-127.18	
For >70 To 100, Deduct	-211.96	
For >100, Deduct	-296.75	
For Low Ambient Protection, 0 Degree F, Add	225.88	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 81 Decentralized Unitary HVAC Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0007	EA		3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,855.24	203.05
			<i>For Unit Economizer, Add</i>	663.94	
			<i>For &gt;35 To 70, Deduct</i>	-133.81	
			<i>For &gt;70 To 100, Deduct</i>	-223.02	
			<i>For &gt;100, Deduct</i>	-312.23	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	678.56	
23 81 43 00-0008	EA		3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,467.61	203.05
			<i>For Unit Economizer, Add</i>	748.77	
			<i>For &gt;35 To 70, Deduct</i>	-151.51	
			<i>For &gt;70 To 100, Deduct</i>	-252.51	
			<i>For &gt;100, Deduct</i>	-353.52	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	760.87	
23 81 43 00-0009	EA		4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	6,031.83	214.33
			<i>For Unit Economizer, Add</i>	827.31	
			<i>For &gt;35 To 70, Deduct</i>	-168.10	
			<i>For &gt;70 To 100, Deduct</i>	-280.16	
			<i>For &gt;100, Deduct</i>	-392.22	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	835.58	
23 81 43 00-0010	EA		5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	6,947.36	248.17
			<i>For Unit Economizer, Add</i>	952.78	
			<i>For &gt;35 To 70, Deduct</i>	-193.53	
			<i>For &gt;70 To 100, Deduct</i>	-322.55	
			<i>For &gt;100, Deduct</i>	-451.57	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	962.72	
23 81 43 00-0011	EA		7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	12,725.78	293.29
			<i>For Unit Economizer, Add</i>	1,757.69	
			<i>For &gt;35 To 70, Deduct</i>	-363.84	
			<i>For &gt;70 To 100, Deduct</i>	-606.40	
			<i>For &gt;100, Deduct</i>	-848.95	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,726.10	
23 81 43 00-0012	EA		10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	16,385.68	372.25
			<i>For Unit Economizer, Add</i>	2,263.76	
			<i>For &gt;35 To 70, Deduct</i>	-468.90	
			<i>For &gt;70 To 100, Deduct</i>	-781.49	
			<i>For &gt;100, Deduct</i>	-1,094.09	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	345.25	
23 81 43 00-0013	EA		12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	20,003.50	417.38
			<i>For Unit Economizer, Add</i>	2,767.10	
			<i>For &gt;35 To 70, Deduct</i>	-575.06	
			<i>For &gt;70 To 100, Deduct</i>	-958.44	
			<i>For &gt;100, Deduct</i>	-1,341.81	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	400.38	
23 81 43 00-0014	EA		15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	24,676.04	473.78
			<i>For Unit Economizer, Add</i>	3,417.19	
			<i>For &gt;35 To 70, Deduct</i>	-712.19	
			<i>For &gt;70 To 100, Deduct</i>	-1,186.99	
			<i>For &gt;100, Deduct</i>	-1,661.78	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	471.47	
23 81 43 00-0015	EA		20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	32,864.85	507.63
			<i>For Unit Economizer, Add</i>	4,560.47	
			<i>For &gt;35 To 70, Deduct</i>	-955.49	
			<i>For &gt;70 To 100, Deduct</i>	-1,592.48	
			<i>For &gt;100, Deduct</i>	-2,229.47	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	572.31	
23 81 43 00-0016	EA		25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	39,590.42	552.75
			<i>For Unit Economizer, Add</i>	5,498.44	
			<i>For &gt;35 To 70, Deduct</i>	-1,154.55	
			<i>For &gt;70 To 100, Deduct</i>	-1,924.25	
			<i>For &gt;100, Deduct</i>	-2,693.95	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	661.22	

**23 81 43 00-0017 Single Package Vertical Wall Heat Pumps (23 81 43)**

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0884 for crane lifting equipment.

23 81 43 00-0018	EA		1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	3,050.95	225.61
23 81 43 00-0019	EA		1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	3,700.39	248.17
23 81 43 00-0020	EA		1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	4,781.68	259.46
23 81 43 00-0021	EA		2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	5,481.54	282.01
23 81 43 00-0022	EA		2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	6,853.41	327.13
23 81 43 00-0023	EA		3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	7,322.43	372.25
23 81 43 00-0024	EA		3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	7,953.32	417.38
23 81 43 00-0025	EA		4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	8,949.05	462.50
23 81 43 00-0026	EA		5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	10,090.76	552.75

**23 81 43 00-0027 Heat Pump, Room Air-Conditioners (23 81 43)**

Note: Includes throwaway filters and supplemental heat.

**23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners (23 81 43 00-0027)**

**23 81 43 00-0029 Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) (23 81 43 00-0028)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0030 EA 10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C) .....	2,399.90	109.32
<i>For &gt;10 To 50, Deduct</i>	-109.06	
<i>For &gt;50 To 75, Deduct</i>	-152.69	
<i>For &gt;75 To 100, Deduct</i>	-218.13	
<i>For &gt;100, Deduct</i>	-261.75	
23 81 43 00-0031 EA 12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C) .....	2,714.26	109.32
<i>For &gt;10 To 50, Deduct</i>	-124.78	
<i>For &gt;50 To 75, Deduct</i>	-174.69	
<i>For &gt;75 To 100, Deduct</i>	-249.56	
<i>For &gt;100, Deduct</i>	-299.47	
23 81 43 00-0032 EA 17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A) .....	3,185.78	109.32
<i>For &gt;10 To 50, Deduct</i>	-148.36	
<i>For &gt;50 To 75, Deduct</i>	-207.70	
<i>For &gt;75 To 100, Deduct</i>	-296.71	
<i>For &gt;100, Deduct</i>	-356.06	
23 81 43 00-0033 EA 24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D) .....	3,709.70	109.32
<i>For &gt;10 To 50, Deduct</i>	-174.55	
<i>For &gt;50 To 75, Deduct</i>	-244.37	
<i>For &gt;75 To 100, Deduct</i>	-349.11	
<i>For &gt;100, Deduct</i>	-418.93	
<b>23 81 43 00-0034 Heat Pump, Through-The-Wall, Room Air-Conditioners</b> <small>(23 81 43 00-0027)</small>		
Note: Base unit excludes wall sleeve.		
<b>23 81 43 00-0035 Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich)</b> <small>(23 81 43 00-0034)</small>		
23 81 43 00-0036 EA 9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D) .....	2,424.75	78.08
<i>For &gt;10 To 50, Deduct</i>	-113.43	
<i>For &gt;50 To 75, Deduct</i>	-158.80	
<i>For &gt;75 To 100, Deduct</i>	-226.86	
<i>For &gt;100, Deduct</i>	-272.23	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	275.07	
23 81 43 00-0037 EA 11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A) .....	2,424.75	78.08
<i>For &gt;10 To 50, Deduct</i>	-113.43	
<i>For &gt;50 To 75, Deduct</i>	-158.80	
<i>For &gt;75 To 100, Deduct</i>	-226.86	
<i>For &gt;100, Deduct</i>	-272.23	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	275.07	
<b>23 81 46 Water-Source Unitary Heat Pumps</b> <small>(23 81)</small>		
<b>23 81 46 00-0001 Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps</b> <small>(23 81 46)</small>		
Note: R410a. Includes rubber isolator hanger brackets. McQuay CCW Series.		
23 81 46 00-0002 EA 7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	3,292.79	209.49
23 81 46 00-0003 EA 9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	3,398.36	209.49
23 81 46 00-0004 EA 12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	3,930.56	230.44
23 81 46 00-0005 EA 19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	4,139.03	251.38
23 81 46 00-0006 EA 24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	4,438.98	272.33
23 81 46 00-0007 EA 30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	5,231.59	293.28
23 81 46 00-0008 EA 36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	5,343.86	314.24
23 81 46 00-0009 EA 42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	5,831.49	335.18
23 81 46 00-0010 EA 48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	6,225.29	356.13
23 81 46 00-0011 EA 60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	6,325.84	377.08
<b>23 81 49 Split System Heat Pumps</b> <small>(23 81)</small>		
<b>23 81 49 00-0001 Split System Heat Pump</b> <small>(23 81 49)</small>		
See CSI section 23 23 16 00-0001 for piping.		
<b>23 81 49 00-0002 Air Cooled, Outdoor Section</b> <small>(23 81 49 00-0001)</small>		
Note: Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping.		
23 81 49 00-0003 EA 1.5 Ton, 14 SEER, Outdoor Heat Pump Unit .....	4,031.79	335.03
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For Low Ambient Protection, 0 Degree F, Add</i>	726.01	
<i>For Winterstart Control, Add</i>	191.73	
<i>For 15 SEER, Add</i>	634.35	
<i>For 16 SEER, Add</i>	1,022.01	
<i>For 18 SEER, Add</i>	1,550.63	
23 81 49 00-0004 EA 2 Ton, 14 SEER, Outdoor Heat Pump Unit .....	4,156.86	372.25
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For Low Ambient Protection, 0 Degree F, Add</i>	751.79	
<i>For Winterstart Control, Add</i>	200.12	
<i>For 15 SEER, Add</i>	646.71	
<i>For 16 SEER, Add</i>	1,041.92	
<i>For 18 SEER, Add</i>	1,580.85	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81	49 00-0005	EA	2.5 Ton, 14 SEER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i> <i>For 15 SEER, Add</i> <i>For 16 SEER, Add</i> <i>For 18 SEER, Add</i>	4,540.79 824.28 220.89 699.57 1,127.09 1,710.07	432.04
23 81	49 00-0006	EA	3 Ton, 14 SEER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i> <i>For 15 SEER, Add</i> <i>For 16 SEER, Add</i> <i>For 18 SEER, Add</i>	4,955.96 692.48 243.36 756.70 1,219.13 1,849.71	496.34
23 81	49 00-0007	EA	3.5 Ton, 14 SEER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i> <i>For 15 SEER, Add</i> <i>For 16 SEER, Add</i> <i>For 18 SEER, Add</i>	5,112.71 715.05 251.36 779.72 1,256.22 1,905.98	515.52
23 81	49 00-0008	EA	4 Ton, 14 SEER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i> <i>For 15 SEER, Add</i> <i>For 16 SEER, Add</i> <i>For 18 SEER, Add</i>	5,679.92 791.58 277.96 870.10 1,401.83 2,126.91	592.23
23 81	49 00-0009	EA	5 Ton, 14 SEER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i> <i>For 15 SEER, Add</i> <i>For 16 SEER, Add</i> <i>For 18 SEER, Add</i>	6,467.94 509.53 148.44 996.71 1,605.82 2,436.41	651.45
23 81	49 00-0010	EA	7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i>	6,746.05 545.53 161.16	728.81
23 81	49 00-0011	EA	10 Ton, 11.1 EER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i>	9,327.58 393.45 205.90	874.57
23 81	49 00-0012	EA	15 Ton, 10.9 EER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i>	12,264.58 444.13 253.52	1,020.34
23 81	49 00-0013	EA	20 Ton, 10.3 EER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i>	22,014.89 470.96 360.68	1,093.22
23 81	49 00-0014		<b>Indoor Section, Horizontal Upflow</b> (23 81 49 00-0001) Note: Electric heat. Includes throwaway filters.		
23 81	49 00-0015	EA	2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	1,167.96 105.60	111.40
23 81	49 00-0016	EA	2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	1,288.42 114.96	138.78
23 81	49 00-0017	EA	3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	1,346.63 117.87	167.62
23 81	49 00-0018	EA	3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	1,813.24 161.68	196.26
23 81	49 00-0019	EA	4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	1,863.40 164.19	221.25
23 81	49 00-0020	EA	5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	2,067.45 181.35	254.04
23 81	49 00-0021	EA	7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	4,404.04 398.76	416.47
23 81	49 00-0022	EA	10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	6,484.24 601.58	468.52
23 81	49 00-0023	EA	15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	9,088.47 856.79	520.58
23 81	49 00-0024	EA	20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	10,331.67 970.69	624.69
23 81	49 00-0025		<b>Ductless Split System Heat Pumps</b> (23 81 49 00-0001) Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.		
23 81	49 00-0026		<b>Wall Mounted Ductless Split System Heat Pumps</b> (23 81 49 00-0025)		
23 81	49 00-0027	EA	9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,315.12	343.58
23 81	49 00-0028	EA	11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,557.48	374.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0029 EA 17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps .....3,122.13	3,122.13	416.47
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0030 EA 24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps .....3,594.32	3,594.32	458.11
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0031 EA 25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps .....5,105.19	5,105.19	499.76
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0032 EA 29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps .....5,917.62	5,917.62	520.58
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0033 EA 31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps .....6,492.16	6,492.16	554.93
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
<b>23 81 49 00-0034 Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps (23 81 49 00-0025)</b>		
Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0035 EA 7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....958.70	958.70	166.59
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0036 EA 9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....1,011.67	1,011.67	177.00
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0037 EA 11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....1,065.53	1,065.53	187.41
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0038 EA 17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....1,213.66	1,213.66	197.82
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0039 EA 24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....1,293.55	1,293.55	208.23
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0040 EA 19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps .....2,889.69	2,889.69	249.88
Note: Includes outdoor unit and refrigerant charge.		
23 81 49 00-0041 EA 23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps .....3,426.52	3,426.52	270.70
Note: Includes outdoor unit and refrigerant charge.		
23 81 49 00-0042 EA 30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps .....5,567.60	5,567.60	291.52
Note: Includes outdoor unit and refrigerant charge.		
<b>23 81 49 00-0043 Suspended Ceiling Mounted Ductless Split System Heat Pumps (23 81 49 00-0025)</b>		
Note: Excludes hangers.		
23 81 49 00-0044 EA 24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps .....5,458.90	5,458.90	499.76
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0045 EA 31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps .....6,625.63	6,625.63	596.59
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0046 EA 39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps .....8,002.10	8,002.10	624.69
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
<b>23 81 49 00-0047 Recessed Ceiling Mounted Ductless Split System Heat Pumps (23 81 49 00-0025)</b>		
Note: Excludes hangers.		
23 81 49 00-0048 EA 11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps .....3,614.99	3,614.99	416.47
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0049 EA 17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps .....4,099.74	4,099.74	458.11
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0050 EA 24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps .....5,428.35	5,428.35	541.40
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0051 EA 32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps .....6,266.54	6,266.54	596.59
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0052 EA 39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps .....7,822.56	7,822.56	624.69
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
<b>23 82 Convection Heating and Cooling Units (23 80)</b>		
<b>23 82 16 Air Coils (23 82)</b>		
<b>23 82 16 11 Hydronic Air Coils (23 82 16)</b>		
<b>23 82 16 11-0001 Chilled Water Cooling Coils (23 82 16 11)</b>		
Note: Flanged construction, 16 gauge galvanized steel casing.		
<b>23 82 16 11-0002 2 Row Chilled Water Cooling Coils (23 82 16 11-0001)</b>		
23 82 16 11-0003 EA 12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted .....1,771.76	1,771.76	52.37
23 82 16 11-0004 EA 12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted .....2,950.31	2,950.31	71.23
23 82 16 11-0005 EA 24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted .....3,961.72	3,961.72	112.08
23 82 16 11-0006 EA 24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted .....4,769.88	4,769.88	160.26
23 82 16 11-0007 EA 30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted .....5,046.40	5,046.40	196.92
23 82 16 11-0008 EA 30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted .....5,636.99	5,636.99	238.81
23 82 16 11-0009 EA 30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted .....6,027.13	6,027.13	276.52

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0010	EA	30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,506.73	488.52
23 82 16 11-0011	EA	34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,070.95	185.71
23 82 16 11-0012	EA	34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,200.39	316.22
23 82 16 11-0013	EA	34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,812.65	392.79
23 82 16 11-0014	EA	34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,353.42	474.39
23 82 16 11-0015	EA	34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,926.73	552.42
<b>23 82 16 11-0016</b>		<b>4 Row Chilled Water Cooling Coils</b> <small>(23 82 16 11-0001)</small>		
23 82 16 11-0017	EA	12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,194.85	108.93
23 82 16 11-0018	EA	12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,541.17	157.12
23 82 16 11-0019	EA	24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,806.42	261.86
23 82 16 11-0020	EA	24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,849.24	388.60
23 82 16 11-0021	EA	30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,750.34	476.59
23 82 16 11-0022	EA	30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,016.15	582.37
23 82 16 11-0023	EA	30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,907.78	698.64
23 82 16 11-0024	EA	30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,652.15	813.23
23 82 16 11-0025	EA	34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,511.44	351.00
23 82 16 11-0026	EA	34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,994.15	527.91
23 82 16 11-0027	EA	34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,736.75	654.65
23 82 16 11-0028	EA	34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,603.55	788.73
23 82 16 11-0029	EA	34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,412.46	922.06
<b>23 82 16 11-0030</b>		<b>6 Row Chilled Water Cooling Coils</b> <small>(23 82 16 11-0001)</small>		
23 82 16 11-0031	EA	12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,108.82	138.27
23 82 16 11-0032	EA	12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,639.26	205.29
23 82 16 11-0033	EA	24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,915.11	349.84
23 82 16 11-0034	EA	24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,647.90	523.72
23 82 16 11-0035	EA	30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,754.62	654.65
23 82 16 11-0036	EA	30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,913.30	805.48
23 82 16 11-0037	EA	30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	11,524.05	952.12
23 82 16 11-0038	EA	30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	10,866.20	1,109.55
23 82 16 11-0039	EA	34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,878.41	479.62
23 82 16 11-0040	EA	34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,747.37	719.38
23 82 16 11-0041	EA	34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,796.88	900.80
23 82 16 11-0042	EA	34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	10,811.57	1,082.12
23 82 16 11-0043	EA	34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	11,832.75	1,258.92
<b>23 82 16 11-0044</b>		<b>8 Row Chilled Water Cooling Coils</b> <small>(23 82 16 11-0001)</small>		
23 82 16 11-0045	EA	12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,890.46	166.54
23 82 16 11-0046	EA	12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,727.77	255.58
23 82 16 11-0047	EA	24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,005.43	455.64
23 82 16 11-0048	EA	24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,237.22	698.64
23 82 16 11-0049	EA	30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	11,068.86	873.57





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0050 EA 30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,834.60	1,047.44
23 82 16 11-0051 EA 30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,780.44	1,163.71
23 82 16 11-0052 EA 30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,427.51	1,349.84
23 82 16 11-0053 EA 34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,828.18	584.47
23 82 16 11-0054 EA 34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,979.62	878.70
23 82 16 11-0055 EA 34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,195.03	1,094.57
23 82 16 11-0056 EA 34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,346.97	1,309.30
23 82 16 11-0057 EA 34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,560.02	1,540.36
<b>23 82 16 11-0058 Hot Water Heating Coils</b> <small>(23 82 16 11)</small> Note: Flanged construction.		
<b>23 82 16 11-0059 1 Row Hot Water Heating Coils</b> <small>(23 82 16 11-0058)</small>		
23 82 16 11-0060 EA 12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction	1,375.37	141.40
<i>For 10 Fins Per Inch, Add</i>	21.85	
<i>For 12 Fins Per Inch, Add</i>	54.61	
<i>For 230 PSIG Heavy Duty, Add</i>	303.38	
23 82 16 11-0061 EA 12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction	2,049.23	181.21
<i>For 10 Fins Per Inch, Add</i>	33.76	
<i>For 12 Fins Per Inch, Add</i>	84.40	
<i>For 230 PSIG Heavy Duty, Add</i>	445.96	
23 82 16 11-0062 EA 24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction	2,484.72	249.29
<i>For 10 Fins Per Inch, Add</i>	39.72	
<i>For 12 Fins Per Inch, Add</i>	99.30	
<i>For 230 PSIG Heavy Duty, Add</i>	546.82	
23 82 16 11-0063 EA 24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	2,932.48	349.84
<i>For 10 Fins Per Inch, Add</i>	44.68	
<i>For 12 Fins Per Inch, Add</i>	111.71	
<i>For 230 PSIG Heavy Duty, Add</i>	656.33	
23 82 16 11-0064 EA 30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,320.38	418.98
<i>For 10 Fins Per Inch, Add</i>	49.65	
<i>For 12 Fins Per Inch, Add</i>	124.12	
<i>For 230 PSIG Heavy Duty, Add</i>	747.87	
23 82 16 11-0065 EA 30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction	3,877.41	523.72
<i>For 10 Fins Per Inch, Add</i>	56.60	
<i>For 12 Fins Per Inch, Add</i>	141.50	
<i>For 230 PSIG Heavy Duty, Add</i>	880.23	
23 82 16 11-0066 EA 30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	4,341.33	581.33
<i>For 10 Fins Per Inch, Add</i>	63.55	
<i>For 12 Fins Per Inch, Add</i>	158.88	
<i>For 230 PSIG Heavy Duty, Add</i>	984.65	
23 82 16 11-0067 EA 30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	5,384.42	675.91
<i>For 10 Fins Per Inch, Add</i>	80.55	
<i>For 12 Fins Per Inch, Add</i>	201.38	
<i>For 230 PSIG Heavy Duty, Add</i>	1,212.56	
23 82 16 11-0068 EA 34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction	2,324.76	292.87
<i>For 10 Fins Per Inch, Add</i>	34.78	
<i>For 12 Fins Per Inch, Add</i>	86.95	
<i>For 230 PSIG Heavy Duty, Add</i>	523.53	
23 82 16 11-0069 EA 34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,487.11	439.40
<i>For 10 Fins Per Inch, Add</i>	52.17	
<i>For 12 Fins Per Inch, Add</i>	130.42	
<i>For 230 PSIG Heavy Duty, Add</i>	785.30	
23 82 16 11-0070 EA 34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	5,241.84	664.60
<i>For 10 Fins Per Inch, Add</i>	78.25	
<i>For 12 Fins Per Inch, Add</i>	195.63	
<i>For 230 PSIG Heavy Duty, Add</i>	1,181.29	
23 82 16 11-0071 EA 34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	6,105.01	770.19
<i>For 10 Fins Per Inch, Add</i>	91.29	
<i>For 12 Fins Per Inch, Add</i>	228.23	
<i>For 230 PSIG Heavy Duty, Add</i>	1,375.04	
23 82 16 11-0072 SF >15 SF Hot Water Heating Coil, 1 Row, Flanged Construction	277.40	38.75
<i>For 10 Fins Per Inch, Add</i>	4.00	
<i>For 12 Fins Per Inch, Add</i>	9.99	
<i>For 230 PSIG Heavy Duty, Add</i>	63.23	
<b>23 82 16 11-0073 2 Row Hot Water Heating Coils</b> <small>(23 82 16 11-0058)</small>		
23 82 16 11-0074 EA 12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction	2,235.80	174.92
<i>For 10 Fins Per Inch, Add</i>	37.73	
<i>For 12 Fins Per Inch, Add</i>	94.33	
<i>For 230 PSIG Heavy Duty, Add</i>	482.08	
23 82 16 11-0075 EA 12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction	2,401.83	232.53
<i>For 10 Fins Per Inch, Add</i>	38.73	
<i>For 12 Fins Per Inch, Add</i>	96.82	
<i>For 230 PSIG Heavy Duty, Add</i>	526.92	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 82 Convection Heating and Cooling Units**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0076	EA		24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,230.37	349.84
			<i>For 10 Fins Per Inch, Add</i>	50.64	
			<i>For 12 Fins Per Inch, Add</i>	126.60	
			<i>For 230 PSIG Heavy Duty, Add</i>	715.90	
23 82 16 11-0077	EA		24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,877.18	498.58
			<i>For 10 Fins Per Inch, Add</i>	57.59	
			<i>For 12 Fins Per Inch, Add</i>	143.98	
			<i>For 230 PSIG Heavy Duty, Add</i>	875.19	
23 82 16 11-0078	EA		30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,459.45	615.89
			<i>For 10 Fins Per Inch, Add</i>	64.54	
			<i>For 12 Fins Per Inch, Add</i>	161.36	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,015.12	
23 82 16 11-0079	EA		30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,723.50	747.87
			<i>For 10 Fins Per Inch, Add</i>	64.54	
			<i>For 12 Fins Per Inch, Add</i>	161.36	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,094.33	
23 82 16 11-0080	EA		30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	5,320.44	873.57
			<i>For 10 Fins Per Inch, Add</i>	71.49	
			<i>For 12 Fins Per Inch, Add</i>	178.74	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,238.66	
23 82 16 11-0081	EA		30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	6,561.04	1,014.97
			<i>For 10 Fins Per Inch, Add</i>	90.62	
			<i>For 12 Fins Per Inch, Add</i>	226.56	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,515.20	
23 82 16 11-0082	EA		34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,832.05	437.94
			<i>For 10 Fins Per Inch, Add</i>	39.13	
			<i>For 12 Fins Per Inch, Add</i>	97.81	
			<i>For 230 PSIG Heavy Duty, Add</i>	653.99	
23 82 16 11-0083	EA		34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,250.29	657.90
			<i>For 10 Fins Per Inch, Add</i>	58.69	
			<i>For 12 Fins Per Inch, Add</i>	146.72	
			<i>For 230 PSIG Heavy Duty, Add</i>	981.65	
23 82 16 11-0084	EA		34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	6,385.41	991.92
			<i>For 10 Fins Per Inch, Add</i>	88.03	
			<i>For 12 Fins Per Inch, Add</i>	220.08	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,475.46	
23 82 16 11-0085	EA		34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	7,452.62	1,158.68
			<i>For 10 Fins Per Inch, Add</i>	102.71	
			<i>For 12 Fins Per Inch, Add</i>	256.76	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,722.26	
<b>23 82 16 11-0086</b>			<b>Hot Water Preheat Coils For Multi-Zone Air Handling Units</b> <small>(23 82 16 11)</small>		
			Note: 2 Row coils. Coils are sized by air handling unit capacity.		
23 82 16 11-0087	EA		3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,819.17	133.03
23 82 16 11-0088	EA		4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,335.52	131.98
23 82 16 11-0089	EA		5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,869.79	141.40
23 82 16 11-0090	EA		6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,336.63	153.97
23 82 16 11-0091	EA		7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,350.85	161.30
23 82 16 11-0092	EA		9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,061.53	169.69
23 82 16 11-0093	EA		11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,203.83	190.64
23 82 16 11-0094	EA		13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,647.65	213.68
23 82 16 11-0095	EA		16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	5,227.57	255.58
23 82 16 11-0096	EA		19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	5,700.60	268.15
23 82 16 11-0097	EA		22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	7,318.39	283.85
23 82 16 11-0098	EA		27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	9,315.44	388.60
23 82 16 11-0099	EA		34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	11,706.11	476.59
23 82 16 11-0100	EA		40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	13,649.10	498.58
23 82 16 11-0101	EA		47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	16,033.57	581.33
<b>23 82 16 12</b>			<b>Steam Air Coils</b> <small>(23 82 16)</small>		
<b>23 82 16 12-0001</b>			<b>Steam Heating Coils</b> <small>(23 82 16 12)</small>		
			Note: Flanged construction.		
23 82 16 12-0002	EA		12" x 12" Steam Heating Coils, 1 Row Flanged Construction.....	2,164.35	98.46
			<i>For 2 Row Coil, Add</i>	688.46	
			<i>For 4 Row Coil, Add</i>	1,815.67	
23 82 16 12-0003	EA		12" x 24" Steam Heating Coils, 1 Row Flanged Construction.....	2,381.23	136.17
			<i>For 2 Row Coil, Add</i>	768.78	
			<i>For 4 Row Coil, Add</i>	2,021.97	
23 82 16 12-0004	EA		24" x 30" Steam Heating Coils, 1 Row Flanged Construction.....	3,088.49	244.05
			<i>For 2 Row Coil, Add</i>	1,023.98	
			<i>For 4 Row Coil, Add</i>	2,680.28	
23 82 16 12-0005	EA		24" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	3,862.05	349.84
			<i>For 2 Row Coil, Add</i>	1,298.27	
			<i>For 4 Row Coil, Add</i>	3,389.90	
23 82 16 12-0006	EA		30" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	4,282.93	418.98
			<i>For 2 Row Coil, Add</i>	1,452.47	
			<i>For 4 Row Coil, Add</i>	3,786.66	
23 82 16 12-0007	EA		30" x 60" Steam Heating Coils, 1 Row Flanged Construction.....	4,773.64	523.72
			<i>For 2 Row Coil, Add</i>	1,641.58	
			<i>For 4 Row Coil, Add</i>	4,269.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 12-0008 EA 30" x 72" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	5,241.55 1,805.23 4,693.68	581.33
23 82 16 12-0009 EA 30" x 84" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	6,525.46 2,228.99 5,803.78	678.42
23 82 16 12-0010 EA 34" x 32" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	2,817.40 962.38 2,505.82	292.87
23 82 16 12-0011 EA 34" x 48" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	4,226.10 1,443.58 3,758.73	439.40
23 82 16 12-0012 EA 34" x 72" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	6,336.89 2,164.24 5,635.34	657.90
23 82 16 12-0013 EA 34" x 84" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	7,398.22 2,527.54 6,580.93	770.19

**23 82 16 13 Refrigerant Air Coils** (23 82 16)

**23 82 16 13-0001 Direct Expansion Cooling Coils** (23 82 16 13)

Note: Flanged construction 16 gauge galvanized steel casing.

**23 82 16 13-0002 2 Row Direct Expansion Cooling Coils** (23 82 16 13-0001)

23 82 16 13-0003 EA 12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	1,699.77 30.85 77.11	78.56
23 82 16 13-0004 EA 12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	3,300.49 61.69 154.23	107.88
23 82 16 13-0005 EA 24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	4,537.11 83.98 209.96	169.69
23 82 16 13-0006 EA 24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	5,449.90 99.25 248.14	244.05
23 82 16 13-0007 EA 30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	6,324.74 114.52 286.31	298.52
23 82 16 13-0008 EA 30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	7,059.38 126.74 316.85	361.36
23 82 16 13-0009 EA 30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	8,091.15 145.06 362.66	418.98
23 82 16 13-0010 EA 30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	10,170.86 183.88 459.69	488.52
23 82 16 13-0011 EA 34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	3,906.05 70.69 176.73	185.71
23 82 16 13-0012 EA 34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	4,996.76 87.29 218.21	316.22
23 82 16 13-0013 EA 34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	6,112.52 103.28 258.19	474.39
23 82 16 13-0014 EA 34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	6,667.06 111.24 278.11	552.42

**23 82 16 13-0015 4 Row Direct Expansion Cooling Coils** (23 82 16 13-0001)

23 82 16 13-0016 EA 12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	2,837.01 52.38 130.94	108.93
23 82 16 13-0017 EA 12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	4,053.80 74.82 187.06	157.12
23 82 16 13-0018 EA 24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	5,486.44 99.25 248.14	261.86
23 82 16 13-0019 EA 24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	6,654.79 117.58 293.95	388.60
23 82 16 13-0020 EA 30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	7,670.98 134.38 335.94	476.59
23 82 16 13-0021 EA 30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	9,104.17 158.81 397.02	582.37

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0022	EA		30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	10,100.42	698.64
			<i>For 10 Fins Per Inch, Add</i>	174.08	
			<i>For 12 Fins Per Inch, Add</i>	435.19	
23 82 16 13-0023	EA		30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	9,767.70	813.23
			<i>For 10 Fins Per Inch, Add</i>	162.82	
			<i>For 12 Fins Per Inch, Add</i>	407.06	
23 82 16 13-0024	EA		34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,275.08	351.00
			<i>For 10 Fins Per Inch, Add</i>	111.46	
			<i>For 12 Fins Per Inch, Add</i>	278.65	
23 82 16 13-0025	EA		34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,937.04	527.91
			<i>For 10 Fins Per Inch, Add</i>	137.62	
			<i>For 12 Fins Per Inch, Add</i>	344.06	
23 82 16 13-0026	EA		34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,884.36	928.56
			<i>For 10 Fins Per Inch, Add</i>	200.54	
			<i>For 12 Fins Per Inch, Add</i>	501.36	
23 82 16 13-0027	EA		34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,592.62	1,082.12
			<i>For 10 Fins Per Inch, Add</i>	228.57	
			<i>For 12 Fins Per Inch, Add</i>	571.42	
<b>23 82 16 13-0028</b>			<b>6 Row Direct Expansion Cooling Coils</b> <small>(23 82 16 13-0001)</small>		
23 82 16 13-0029	EA		12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,635.03	137.22
			<i>For 10 Fins Per Inch, Add</i>	67.19	
			<i>For 12 Fins Per Inch, Add</i>	167.97	
23 82 16 13-0030	EA		12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,151.89	205.29
			<i>For 10 Fins Per Inch, Add</i>	74.82	
			<i>For 12 Fins Per Inch, Add</i>	187.06	
23 82 16 13-0031	EA		24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,966.41	349.84
			<i>For 10 Fins Per Inch, Add</i>	105.36	
			<i>For 12 Fins Per Inch, Add</i>	263.41	
23 82 16 13-0032	EA		24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,537.15	523.72
			<i>For 10 Fins Per Inch, Add</i>	129.79	
			<i>For 12 Fins Per Inch, Add</i>	324.49	
23 82 16 13-0033	EA		30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	9,936.79	654.65
			<i>For 10 Fins Per Inch, Add</i>	172.55	
			<i>For 12 Fins Per Inch, Add</i>	431.37	
23 82 16 13-0034	EA		30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,231.48	805.48
			<i>For 10 Fins Per Inch, Add</i>	192.40	
			<i>For 12 Fins Per Inch, Add</i>	481.00	
23 82 16 13-0035	EA		30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,051.47	952.12
			<i>For 10 Fins Per Inch, Add</i>	222.94	
			<i>For 12 Fins Per Inch, Add</i>	557.35	
23 82 16 13-0036	EA		30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	12,239.19	1,109.55
			<i>For 10 Fins Per Inch, Add</i>	200.40	
			<i>For 12 Fins Per Inch, Add</i>	501.00	
23 82 16 13-0037	EA		34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,818.27	479.62
			<i>For 10 Fins Per Inch, Add</i>	137.18	
			<i>For 12 Fins Per Inch, Add</i>	342.95	
23 82 16 13-0038	EA		34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	9,907.84	719.38
			<i>For 10 Fins Per Inch, Add</i>	169.38	
			<i>For 12 Fins Per Inch, Add</i>	423.45	
23 82 16 13-0039	EA		34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	12,166.89	1,073.20
			<i>For 10 Fins Per Inch, Add</i>	200.41	
			<i>For 12 Fins Per Inch, Add</i>	501.02	
23 82 16 13-0040	EA		34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,311.78	1,258.92
			<i>For 10 Fins Per Inch, Add</i>	215.88	
			<i>For 12 Fins Per Inch, Add</i>	539.70	
<b>23 82 16 13-0041</b>			<b>8 Row Direct Expansion Cooling Coils</b> <small>(23 82 16 13-0001)</small>		
23 82 16 13-0042	EA		12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,531.74	165.50
			<i>For 10 Fins Per Inch, Add</i>	83.98	
			<i>For 12 Fins Per Inch, Add</i>	209.96	
23 82 16 13-0043	EA		12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,397.32	255.58
			<i>For 10 Fins Per Inch, Add</i>	97.73	
			<i>For 12 Fins Per Inch, Add</i>	244.32	
23 82 16 13-0044	EA		24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,973.14	455.64
			<i>For 10 Fins Per Inch, Add</i>	141.25	
			<i>For 12 Fins Per Inch, Add</i>	353.12	
23 82 16 13-0045	EA		24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	10,482.17	698.64
			<i>For 10 Fins Per Inch, Add</i>	181.71	
			<i>For 12 Fins Per Inch, Add</i>	454.28	
23 82 16 13-0046	EA		30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	12,549.20	873.57
			<i>For 10 Fins Per Inch, Add</i>	216.07	
			<i>For 12 Fins Per Inch, Add</i>	540.17	
23 82 16 13-0047	EA		30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	14,539.86	1,047.44
			<i>For 10 Fins Per Inch, Add</i>	248.90	
			<i>For 12 Fins Per Inch, Add</i>	622.25	
23 82 16 13-0048	EA		30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	16,757.71	1,163.71
			<i>For 10 Fins Per Inch, Add</i>	288.60	
			<i>For 12 Fins Per Inch, Add</i>	721.50	
23 82 16 13-0049	EA		30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,972.12	1,349.84
			<i>For 10 Fins Per Inch, Add</i>	225.45	
			<i>For 12 Fins Per Inch, Add</i>	563.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0050 EA 34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,885.53	584.47
<i>For 10 Fins Per Inch, Add</i>	154.33	
<i>For 12 Fins Per Inch, Add</i>	385.83	
23 82 16 13-0051 EA 34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,285.15	878.70
<i>For 10 Fins Per Inch, Add</i>	190.55	
<i>For 12 Fins Per Inch, Add</i>	476.39	
23 82 16 13-0052 EA 34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,918.10	1,322.50
<i>For 10 Fins Per Inch, Add</i>	225.46	
<i>For 12 Fins Per Inch, Add</i>	563.65	
23 82 16 13-0053 EA 34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	15,223.94	1,540.36
<i>For 10 Fins Per Inch, Add</i>	242.86	
<i>For 12 Fins Per Inch, Add</i>	607.16	

**23 82 16 14 Electric-Resistance Air Coils (23 82 16)**

23 82 16 14-0001	Standard Electric Slip-In Blast Coil Heater (23 82 16 14)		
23 82 16 14-0002	Electric Slip-In Blast Coil Heater With Open Coil Element (23 82 16 14-0001)		
23 82 16 14-0003	EA 1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	500.55	80.17
23 82 16 14-0004	EA 1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	513.90	86.42
23 82 16 14-0005	EA 2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	529.67	94.74
23 82 16 14-0006	EA 3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	534.98	97.87
23 82 16 14-0007	EA 4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	548.60	104.11
23 82 16 14-0008	EA 5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	564.28	112.45
23 82 16 14-0009	EA 6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	650.29	125.98
23 82 16 14-0010	EA 7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	662.99	132.23
23 82 16 14-0011	EA 8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	673.40	136.39
23 82 16 14-0012	EA 9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	688.62	144.72
23 82 16 14-0013	EA 10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	754.26	153.05
23 82 16 14-0014	EA 12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	783.89	167.62
23 82 16 14-0015	EA 15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	813.36	182.21
23 82 16 14-0016	EA 20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	844.40	196.78
23 82 16 14-0017	EA 30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,166.67	274.86
23 82 16 14-0018	EA 40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,106.70	292.57
23 82 16 14-0019	EA 50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,313.93	335.25
23 82 16 14-0020	EA 60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,736.98	371.69
23 82 16 14-0021	EA 70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,870.01	403.97
23 82 16 14-0022	EA 80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,144.62	443.53
23 82 16 14-0023	EA 90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,871.68	473.73
23 82 16 14-0024	EA 100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	4,254.81	509.13
23 82 16 14-0025	EA 125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	5,174.39	549.73
23 82 16 14-0026	EA 150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	5,830.30	597.62

**23 82 16 14-0027 Electric Slip-In Blast Coil Heater With Finned Tubular Element (23 82 16 14-0001)**

23 82 16 14-0028	EA 1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	832.26	114.52
23 82 16 14-0029	EA 2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	857.76	124.93
23 82 16 14-0030	EA 3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	867.65	124.93
23 82 16 14-0031	EA 4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	937.93	137.43
23 82 16 14-0032	EA 5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	979.44	137.43
23 82 16 14-0033	EA 6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,001.52	137.43
23 82 16 14-0034	EA 8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,051.94	153.05
23 82 16 14-0035	EA 9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,097.79	171.79
23 82 16 14-0036	EA 10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,119.88	171.79
23 82 16 14-0037	EA 15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,260.99	196.78
23 82 16 14-0038	EA 20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,613.99	196.78
23 82 16 14-0039	EA 25 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,714.32	213.44
23 82 16 14-0040	EA 30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,017.18	229.06
23 82 16 14-0041	EA 40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,397.06	229.06
23 82 16 14-0042	EA 45 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,616.08	239.47
23 82 16 14-0043	EA 50 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,747.80	239.47

**23 82 19 Fan Coil Units (23 82)**

23 82 19 00-0001	Ceiling Suspended Horizontal Fan Coil Units (23 82 19)		
Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.			
23 82 19 00-0002	Horizontal Fan Coil Units With Electric Heating Coil (23 82 19 00-0001)		
23 82 19 00-0003	EA 200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,021.39	169.69
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>		-51.89	
23 82 19 00-0004	EA 300 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,221.50	197.97
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>		-54.76	
23 82 19 00-0005	EA 400 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,458.60	223.11
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>		-57.29	
23 82 19 00-0006	EA 600 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,853.21	255.58
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>		-60.55	
23 82 19 00-0007	EA 800 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,208.79	268.15
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>		-105.29	
23 82 19 00-0008	EA 1,000 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,408.95	283.85
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>		-107.46	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 82 Convection Heating and Cooling Units**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0009	EA		1,200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet ..... <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	5,373.85 -111.21	307.95
<b>23 82 19 00-0010</b>			<b>Horizontal Fan Coil Units With Hot Water Heating Coil</b> <small>(23 82 19 00-0001)</small>		
23 82 19 00-0011	EA		200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet..... <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	1,079.00 -51.89	169.69
23 82 19 00-0012	EA		300 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet..... <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	1,317.53 -54.76	197.97
23 82 19 00-0013	EA		400 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet..... <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	1,569.27 -57.29	223.11
23 82 19 00-0014	EA		600 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet..... <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,072.80 -60.55	255.58
23 82 19 00-0015	EA		800 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet..... <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,464.97 -105.29	269.20
23 82 19 00-0016	EA		1,000 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet..... <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	4,774.93 -107.46	283.85
23 82 19 00-0017	EA		1,200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet..... <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	6,069.21 -111.21	307.95
<b>23 82 19 00-0018</b>			<b>Floor Mounted Vertical Fan Coil Units</b> <small>(23 82 19)</small> Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.		
<b>23 82 19 00-0019</b>			<b>Vertical Fan Coil Units With Electric Heating Coil</b> <small>(23 82 19 00-0018)</small>		
23 82 19 00-0020	EA		200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	1,948.19 -258.44 122.58 -51.89	168.64
23 82 19 00-0021	EA		300 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,225.16 -294.25 134.05 -54.76	197.97
23 82 19 00-0022	EA		400 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,641.59 -351.67 144.14 -57.29	223.11
23 82 19 00-0023	EA		600 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,036.20 -404.34 157.19 -60.55	255.58
23 82 19 00-0024	EA		800 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,428.38 -460.54 162.43 -105.29	269.20
23 82 19 00-0025	EA		1,000 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	4,408.95 -604.72 168.24 -107.46	283.85
23 82 19 00-0026	EA		1,200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	5,190.87 -717.02 178.23 -111.21	307.95
<b>23 82 19 00-0027</b>			<b>Vertical Fan Coil Units With Hot Water Heating Coil</b> <small>(23 82 19 00-0018)</small>		
23 82 19 00-0028	EA		200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,167.78 -291.38 122.58 -51.89	168.64
23 82 19 00-0029	EA		300 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,444.75 -327.19 134.05 -54.76	197.97
23 82 19 00-0030	EA		400 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,007.57 -406.56 144.14 -57.29	223.11
23 82 19 00-0031	EA		600 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,438.77 -464.72 157.19 -60.55	255.58
23 82 19 00-0032	EA		800 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,830.95 -520.93 162.43 -105.29	269.20
23 82 19 00-0033	EA		1,000 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	4,591.94 -632.17 168.24 -107.46	283.85
23 82 19 00-0034	EA		1,200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	5,373.85 -744.46 178.23 -111.21	307.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 82 19 00-0035</b> <b>Hi-Wall Chilled Water Fan Coil Units</b> <small>(23 82 19)</small>		
23 82 19 00-0036    EA    9,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-9) .....	1,966.34	197.97
Note: Includes LCD remote and wall bracket.		
23 82 19 00-0037    EA    12,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-12) .....	2,213.18	223.11
Note: Includes LCD remote and wall bracket.		
23 82 19 00-0038    EA    18,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-18) .....	3,136.29	255.58
Note: Includes LCD remote and wall bracket.		
23 82 19 00-0039    EA    24,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-24) .....	3,462.24	269.20
Note: Includes LCD remote and wall bracket.		
23 82 19 00-0040    EA    36,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-36) .....	3,697.99	283.85
Note: Includes LCD remote and wall bracket.		
<b>23 82 19 00-0041</b> <b>Removal And Reinstallation Of Fan Coil Units</b> <small>(23 82 19)</small>		
Note: Includes storage and cleaning. Excludes supports.		
23 82 19 00-0042    EA    Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical .....	445.34	
<b>23 82 29</b> <b>Radiators</b> <small>(23 82)</small>		
<b>23 82 29 00-0001</b> <b>Demolish Cast Iron Radiators</b> <small>(23 82 29)</small>		
23 82 29 00-0002    LF    Demolish Cast Iron Radiator .....	31.41	
23 82 29 00-0003    EA    Cap Radiator .....	52.43	
<b>23 82 29 00-0004</b> <b>Cast Iron Radiator</b> <small>(23 82 29)</small>		
23 82 29 00-0005    EA    19" High Cast Iron Radiator Section, Free Standing .....	70.49	
<i>For Wall Support Bracket, Add</i> .....		
	27.54	
23 82 29 00-0006    EA    25" High Cast Iron Radiator Section, Free Standing .....	103.87	
<i>For Wall Support Bracket, Add</i> .....		
	28.91	
23 82 29 00-0007    EA    30" High Cast Iron Radiator Section, Free Standing .....	122.19	
23 82 29 00-0008    EA    36" High Cast Iron Radiator Section, Free Standing .....	156.38	
23 82 29 00-0009    EA    20" High Cast Iron Radiator Section, Recessed With Grille .....	95.36	
<b>23 82 29 00-0010</b> <b>Radiator Covers</b> <small>(23 82 29)</small>		
Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.		
23 82 29 00-0011    SF    14 Gauge Stainless Steel Radiator Cover .....	127.18	5.65
23 82 29 00-0012    SF    Primed And Painted, Galvanized Steel Radiator Cover .....	78.90	5.65
<b>23 82 29 00-0013</b> <b>Radiator Shields</b> <small>(23 82 29)</small>		
23 82 29 00-0014    SF    Stainless Steel Radiator Shield .....	75.01	5.65
23 82 29 00-0015    SF    Primed And Painted, Galvanized Steel Radiator Shield .....	46.75	5.65
<b>23 82 29 00-0016</b> <b>Removal And Reinstallation Of Radiator</b> <small>(23 82 29)</small>		
Note: Includes storage and cleaning.		
23 82 29 00-0017    LF    Removal And Reinstallation Of Cast Iron Radiator .....	78.56	
23 82 29 00-0018    LF    Removal And Reinstallation Of Electric Radiator .....	52.37	
<b>23 82 33</b> <b>Convectors</b> <small>(23 82)</small>		
<b>23 82 33 00-0001</b> <b>Multi-Fin Convectors For Two-Pipe System</b> <small>(23 82 33)</small>		
Note: Complete with 6-1/4" deep cabinet enclosure.		
<b>23 82 33 00-0002</b> <b>20" High Multi-Fin Convectors For Two-Pipe System</b> <small>(23 82 33 00-0001)</small>		
23 82 33 00-0003    EA    20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	485.20	115.22
<i>For Snap-On Inlet Grille, Add</i> .....		
	44.92	
<i>For Access Doors Hinged, Add</i> .....		
	15.00	
<i>For Air Chamber, Auto-vent, Add</i> .....		
	18.00	
<i>For 3 Tubes System, Add</i> .....		
	108.72	
<i>For Knob Operated Damper, Add</i> .....		
	15.00	
<i>For Metal Trim Strips, Add</i> .....		
	58.37	
23 82 33 00-0004    EA    20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	570.09	125.70
<i>For Snap-On Inlet Grille, Add</i> .....		
	48.09	
<i>For Access Doors Hinged, Add</i> .....		
	15.00	
<i>For Air Chamber, Auto-vent, Add</i> .....		
	18.00	
<i>For 3 Tubes System, Add</i> .....		
	132.88	
<i>For Knob Operated Damper, Add</i> .....		
	15.00	
<i>For Metal Trim Strips, Add</i> .....		
	63.13	
23 82 33 00-0005    EA    20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	656.58	148.74
<i>For Snap-On Inlet Grille, Add</i> .....		
	55.03	
<i>For Access Doors Hinged, Add</i> .....		
	15.00	
<i>For Air Chamber, Auto-vent, Add</i> .....		
	18.00	
<i>For 3 Tubes System, Add</i> .....		
	151.00	
<i>For Knob Operated Damper, Add</i> .....		
	15.00	
<i>For Metal Trim Strips, Add</i> .....		
	73.55	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0006	EA		20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	785.39	172.82
			<i>For Snap-On Inlet Grille, Add</i>	62.37	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	183.24	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	84.55	
23 82 33 00-0007	EA		20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	936.77	207.39
			<i>For Snap-On Inlet Grille, Add</i>	72.83	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	217.91	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	100.25	
23 82 33 00-0008	EA		20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,053.06	228.14
			<i>For Snap-On Inlet Grille, Add</i>	79.11	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	247.63	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	109.67	
23 82 33 00-0009	EA		20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,225.39	276.52
			<i>For Snap-On Inlet Grille, Add</i>	93.77	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	282.29	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	131.65	
23 82 33 00-0010	EA		20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,336.48	293.80
			<i>For Snap-On Inlet Grille, Add</i>	99.01	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	312.01	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	139.51	
23 82 33 00-0011	EA		20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,459.56	328.37
			<i>For Snap-On Inlet Grille, Add</i>	109.47	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	336.77	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	155.21	
23 82 33 00-0012	EA		20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,611.02	362.94
			<i>For Snap-On Inlet Grille, Add</i>	119.96	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	371.43	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	170.93	
23 82 33 00-0013	EA		20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,734.10	397.50
			<i>For Snap-On Inlet Grille, Add</i>	130.42	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	396.20	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	186.63	
<b>23 82 33 00-0014</b>			<b>26" High Multi-Fin Convectors For Two-Pipe System</b> <small>(23 82 33 00-0001)</small>		
23 82 33 00-0015	EA		26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	572.45	151.56
			<i>For Snap-On Inlet Grille, Add</i>	55.46	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	120.80	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	74.19	
23 82 33 00-0016	EA		26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	671.86	176.07
			<i>For Snap-On Inlet Grille, Add</i>	62.79	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	142.76	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	85.19	
23 82 33 00-0017	EA		26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	811.91	206.77
			<i>For Snap-On Inlet Grille, Add</i>	71.98	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	175.71	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	98.97	
23 82 33 00-0018	EA		26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	949.93	230.55
			<i>For Snap-On Inlet Grille, Add</i>	79.09	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	211.56	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	109.64	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0019 EA 26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,107.34	259.25
<i>For Snap-On Inlet Grille, Add</i>	87.70	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	251.59	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	122.56	
23 82 33 00-0020 EA 26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,237.84	280.82
<i>For Snap-On Inlet Grille, Add</i>	94.20	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	285.89	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	132.30	
23 82 33 00-0021 EA 26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,411.68	319.99
<i>For Snap-On Inlet Grille, Add</i>	106.10	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	325.92	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	150.14	
23 82 33 00-0022 EA 26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,538.68	339.58
<i>For Snap-On Inlet Grille, Add</i>	111.89	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	360.23	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	158.84	
23 82 33 00-0023 EA 26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,665.70	370.27
<i>For Snap-On Inlet Grille, Add</i>	120.96	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	388.82	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	172.44	
23 82 33 00-0024 EA 26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,825.87	400.34
<i>For Snap-On Inlet Grille, Add</i>	130.12	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	428.84	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	186.18	
23 82 33 00-0025 EA 26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,948.76	427.88
<i>For Snap-On Inlet Grille, Add</i>	138.36	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	457.43	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	198.54	
<b>23 82 33 00-0026 32" High Multi-Fin Convectors For Two-Pipe System</b> <small>(23 82 33 00-0001)</small>		
23 82 33 00-0027 EA 32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	658.82	184.35
<i>For Snap-On Inlet Grille, Add</i>	65.83	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	132.88	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	89.75	
23 82 33 00-0028 EA 32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	786.57	223.11
<i>For Snap-On Inlet Grille, Add</i>	77.58	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	157.04	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	107.37	
23 82 33 00-0029 EA 32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	947.18	260.81
<i>For Snap-On Inlet Grille, Add</i>	88.99	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	193.28	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	124.49	
23 82 33 00-0030 EA 32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,094.33	283.44
<i>For Snap-On Inlet Grille, Add</i>	95.88	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	232.72	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	134.83	
23 82 33 00-0031 EA 32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,254.33	306.27
<i>For Snap-On Inlet Grille, Add</i>	102.73	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	276.75	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	145.09	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0032	EA		32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,395.88	328.37
			<i>For Snap-On Inlet Grille, Add</i>	109.47	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	314.48	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	155.21	
23 82 33 00-0033	EA		32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,563.78	356.02
			<i>For Snap-On Inlet Grille, Add</i>	117.89	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	358.51	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	167.84	
23 82 33 00-0034	EA		32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,706.40	378.86
			<i>For Snap-On Inlet Grille, Add</i>	124.85	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	396.25	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	178.28	
23 82 33 00-0035	EA		32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,833.96	404.42
			<i>For Snap-On Inlet Grille, Add</i>	132.39	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	427.70	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	189.59	
23 82 33 00-0036	EA		32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,997.39	428.61
			<i>For Snap-On Inlet Grille, Add</i>	139.92	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	471.72	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	200.88	
23 82 33 00-0037	EA		32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	2,118.14	449.35
			<i>For Snap-On Inlet Grille, Add</i>	146.10	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	503.17	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	210.15	
23 82 33 00-0038			<b>Electric Convectors, Floor Standing Units</b> <small>(23 82 33)</small>		
23 82 33 00-0039			<b>4" Deep Electric Convectors</b> <small>(23 82 33 00-0038)</small>		
23 82 33 00-0040	EA		38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units.....	509.48	111.68
23 82 33 00-0041	EA		50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units.....	560.91	111.68
23 82 33 00-0042			<b>6" Deep Electric Convectors</b> <small>(23 82 33 00-0038)</small>		
23 82 33 00-0043	EA		38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units.....	584.65	111.68
23 82 33 00-0044	EA		50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units.....	663.78	111.68
23 82 33 00-0045	EA		62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units.....	733.02	111.68
23 82 33 00-0046	EA		74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units.....	841.83	111.68
23 82 36			<b>Finned-Tube Radiation Heaters</b> <small>(23 82)</small>		
23 82 36 00-0001			<b>Finned Tube Baseboard Units</b> <small>(23 82 36)</small>		
			Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0002			<b>3/4" IPS Steel Tube With Steel Fins</b> <small>(23 82 36 00-0001)</small>		
23 82 36 00-0003	EA		4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	318.42	40.85
			<i>For 90 Degree Corner, Add</i>	49.53	
			<i>For Valve Enclosure, Add</i>	49.53	
			<i>For Filler Piece, Add</i>	42.53	
			<i>For End Cap, Add</i>	33.69	
			<i>For Copper Tube With Aluminum Fins, Add</i>	6.64	
23 82 36 00-0004	EA		6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	419.25	61.79
			<i>For 90 Degree Corner, Add</i>	57.61	
			<i>For Valve Enclosure, Add</i>	57.61	
			<i>For Filler Piece, Add</i>	50.61	
			<i>For End Cap, Add</i>	38.95	
			<i>For Copper Tube With Aluminum Fins, Add</i>	9.97	
23 82 36 00-0005	EA		8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	503.44	81.70
			<i>For 90 Degree Corner, Add</i>	62.37	
			<i>For Valve Enclosure, Add</i>	62.37	
			<i>For Filler Piece, Add</i>	55.37	
			<i>For End Cap, Add</i>	42.04	
			<i>For Copper Tube With Aluminum Fins, Add</i>	13.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0006 EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	627.20	114.38
<i>For 90 Degree Corner, Add</i>	75.36	
<i>For Valve Enclosure, Add</i>	75.36	
<i>For Filler Piece, Add</i>	68.36	
<i>For End Cap, Add</i>	50.48	
<i>For Copper Tube With Aluminum Fins, Add</i>	16.52	
23 82 36 00-0007 EA 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	750.39	137.42
<i>For 90 Degree Corner, Add</i>	88.56	
<i>For Valve Enclosure, Add</i>	88.56	
<i>For Filler Piece, Add</i>	81.56	
<i>For End Cap, Add</i>	59.06	
<i>For Copper Tube With Aluminum Fins, Add</i>	19.67	
23 82 36 00-0008 EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	848.12	146.64
<i>For 90 Degree Corner, Add</i>	93.80	
<i>For Valve Enclosure, Add</i>	93.80	
<i>For Filler Piece, Add</i>	86.80	
<i>For End Cap, Add</i>	62.47	
<i>For Copper Tube With Aluminum Fins, Add</i>	23.60	
23 82 36 00-0009 EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	935.03	162.04
<i>For 90 Degree Corner, Add</i>	102.60	
<i>For Valve Enclosure, Add</i>	102.60	
<i>For Filler Piece, Add</i>	95.60	
<i>For End Cap, Add</i>	68.19	
<i>For Copper Tube With Aluminum Fins, Add</i>	25.96	
23 82 36 00-0010 EA 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	1,067.29	183.30
<i>For 90 Degree Corner, Add</i>	114.74	
<i>For Valve Enclosure, Add</i>	114.74	
<i>For Filler Piece, Add</i>	107.74	
<i>For End Cap, Add</i>	76.08	
<i>For Copper Tube With Aluminum Fins, Add</i>	29.90	
23 82 36 00-0011 EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	1,176.94	201.63
<i>For 90 Degree Corner, Add</i>	125.23	
<i>For Valve Enclosure, Add</i>	125.23	
<i>For Filler Piece, Add</i>	118.23	
<i>For End Cap, Add</i>	82.90	
<i>For Copper Tube With Aluminum Fins, Add</i>	33.04	
<b>23 82 36 00-0012 1" IPS Steel Tube With Steel Fins <small>(23 82 36 00-0001)</small></b>		
23 82 36 00-0013 EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	370.20	40.85
<i>For 90 Degree Corner, Add</i>	49.53	
<i>For Valve Enclosure, Add</i>	49.53	
<i>For Filler Piece, Add</i>	42.53	
<i>For End Cap, Add</i>	33.69	
<i>For Copper Tube With Aluminum Fins, Add</i>	9.49	
23 82 36 00-0014 EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	496.91	61.79
<i>For 90 Degree Corner, Add</i>	57.61	
<i>For Valve Enclosure, Add</i>	57.61	
<i>For Filler Piece, Add</i>	50.61	
<i>For End Cap, Add</i>	38.95	
<i>For Copper Tube With Aluminum Fins, Add</i>	14.24	
23 82 36 00-0015 EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	606.99	81.70
<i>For 90 Degree Corner, Add</i>	62.37	
<i>For Valve Enclosure, Add</i>	62.37	
<i>For Filler Piece, Add</i>	55.37	
<i>For End Cap, Add</i>	42.04	
<i>For Copper Tube With Aluminum Fins, Add</i>	18.98	
23 82 36 00-0016 EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	756.07	114.38
<i>For 90 Degree Corner, Add</i>	75.38	
<i>For Valve Enclosure, Add</i>	75.38	
<i>For Filler Piece, Add</i>	68.38	
<i>For End Cap, Add</i>	50.50	
<i>For Copper Tube With Aluminum Fins, Add</i>	23.60	
23 82 36 00-0017 EA 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	903.48	137.42
<i>For 90 Degree Corner, Add</i>	88.52	
<i>For Valve Enclosure, Add</i>	88.52	
<i>For Filler Piece, Add</i>	81.52	
<i>For End Cap, Add</i>	59.04	
<i>For Copper Tube With Aluminum Fins, Add</i>	28.10	
23 82 36 00-0018 EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	1,032.05	146.64
<i>For 90 Degree Corner, Add</i>	93.80	
<i>For Valve Enclosure, Add</i>	93.80	
<i>For Filler Piece, Add</i>	86.80	
<i>For End Cap, Add</i>	62.47	
<i>For Copper Tube With Aluminum Fins, Add</i>	33.72	
23 82 36 00-0019 EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	1,137.02	162.04
<i>For 90 Degree Corner, Add</i>	102.53	
<i>For Valve Enclosure, Add</i>	102.53	
<i>For Filler Piece, Add</i>	95.53	
<i>For End Cap, Add</i>	68.14	
<i>For Copper Tube With Aluminum Fins, Add</i>	37.09	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0020	EA		18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	1,300.27	183.30
			<i>For 90 Degree Corner, Add</i>	114.74	
			<i>For Valve Enclosure, Add</i>	114.74	
			<i>For Filler Piece, Add</i>	107.74	
			<i>For End Cap, Add</i>	76.08	
			<i>For Copper Tube With Aluminum Fins, Add</i>	42.71	
23 82 36 00-0021	EA		20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	1,433.81	201.63
			<i>For 90 Degree Corner, Add</i>	125.10	
			<i>For Valve Enclosure, Add</i>	125.10	
			<i>For Filler Piece, Add</i>	118.10	
			<i>For End Cap, Add</i>	82.82	
			<i>For Copper Tube With Aluminum Fins, Add</i>	47.21	
<b>23 82 36 00-0022</b>			<b>1-1/4" IPS Steel Tube With Steel Fins <small>(23 82 36 00-0001)</small></b>		
23 82 36 00-0023	EA		4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	421.97	40.85
			<i>For 90 Degree Corner, Add</i>	49.53	
			<i>For Valve Enclosure, Add</i>	49.53	
			<i>For Filler Piece, Add</i>	42.53	
			<i>For End Cap, Add</i>	33.69	
			<i>For Copper Tube With Aluminum Fins, Add</i>	12.34	
23 82 36 00-0024	EA		6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	574.57	61.79
			<i>For 90 Degree Corner, Add</i>	57.61	
			<i>For Valve Enclosure, Add</i>	57.61	
			<i>For Filler Piece, Add</i>	50.61	
			<i>For End Cap, Add</i>	38.95	
			<i>For Copper Tube With Aluminum Fins, Add</i>	18.51	
23 82 36 00-0025	EA		8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	710.53	81.70
			<i>For 90 Degree Corner, Add</i>	62.37	
			<i>For Valve Enclosure, Add</i>	62.37	
			<i>For Filler Piece, Add</i>	55.37	
			<i>For End Cap, Add</i>	42.04	
			<i>For Copper Tube With Aluminum Fins, Add</i>	24.68	
23 82 36 00-0026	EA		10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	884.81	114.38
			<i>For 90 Degree Corner, Add</i>	75.38	
			<i>For Valve Enclosure, Add</i>	75.38	
			<i>For Filler Piece, Add</i>	68.38	
			<i>For End Cap, Add</i>	50.50	
			<i>For Copper Tube With Aluminum Fins, Add</i>	30.68	
23 82 36 00-0027	EA		12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	1,056.74	137.42
			<i>For 90 Degree Corner, Add</i>	88.52	
			<i>For Valve Enclosure, Add</i>	88.52	
			<i>For Filler Piece, Add</i>	81.52	
			<i>For End Cap, Add</i>	59.04	
			<i>For Copper Tube With Aluminum Fins, Add</i>	36.53	
23 82 36 00-0028	EA		14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	1,215.96	146.64
			<i>For 90 Degree Corner, Add</i>	93.80	
			<i>For Valve Enclosure, Add</i>	93.80	
			<i>For Filler Piece, Add</i>	86.80	
			<i>For End Cap, Add</i>	62.47	
			<i>For Copper Tube With Aluminum Fins, Add</i>	43.83	
23 82 36 00-0029	EA		16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	1,339.33	162.04
			<i>For 90 Degree Corner, Add</i>	102.53	
			<i>For Valve Enclosure, Add</i>	102.53	
			<i>For Filler Piece, Add</i>	95.53	
			<i>For End Cap, Add</i>	68.14	
			<i>For Copper Tube With Aluminum Fins, Add</i>	48.22	
23 82 36 00-0030	EA		18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	1,533.23	183.30
			<i>For 90 Degree Corner, Add</i>	114.74	
			<i>For Valve Enclosure, Add</i>	114.74	
			<i>For Filler Piece, Add</i>	107.74	
			<i>For End Cap, Add</i>	76.08	
			<i>For Copper Tube With Aluminum Fins, Add</i>	55.52	
23 82 36 00-0031	EA		20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	1,691.30	201.63
			<i>For 90 Degree Corner, Add</i>	125.10	
			<i>For Valve Enclosure, Add</i>	125.10	
			<i>For Filler Piece, Add</i>	118.10	
			<i>For End Cap, Add</i>	82.82	
			<i>For Copper Tube With Aluminum Fins, Add</i>	61.37	
<b>23 82 36 00-0032</b>			<b>Electric Baseboard Heating <small>(23 82 36)</small></b>		
			Note: Includes 24 gauge steel enclosure and heating element		
<b>23 82 36 00-0033</b>			<b>Electric Wall Heating 10" Enclosure <small>(23 82 36 00-0032)</small></b>		
23 82 36 00-0034	LF		Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT.....	128.24	62.05
23 82 36 00-0035	LF		Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT.....	130.61	62.05
<b>23 82 36 00-0036</b>			<b>Electric Wall Heating 16" Enclosure <small>(23 82 36 00-0032)</small></b>		
23 82 36 00-0037	LF		Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT.....	151.97	62.05
23 82 36 00-0038	LF		Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT.....	157.91	62.05

**23 82 39 Unit Heaters (23 82)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 82 39 13 Cabinet Unit Heaters</b> <small>(23 82 39)</small>		
<b>23 82 39 13-0001 Electric Cabinet Unit Heaters</b> <small>(23 82 39 13)</small>		
<small>Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.</small>		
<b>23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length</b> <small>(23 82 39 13-0001)</small>		
23 82 39 13-0003 EA 2 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,444.36	141.01
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0004 EA 3 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,463.33	141.01
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0005 EA 4 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,482.31	141.01
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0006 EA 5 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,501.28	141.01
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0007 EA 6 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,520.25	141.01
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0008 EA 7 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,539.23	141.01
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0009 EA 8 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,558.97	141.01
23 82 39 13-0010 EA For Ceiling Installation of 35" Cabinet Unit Heater, Add.....	188.38	93.63
<b>23 82 39 13-0011 Electric Cabinet Unit Heaters, 45" Cabinet Length</b> <small>(23 82 39 13-0001)</small>		
23 82 39 13-0012 EA 4 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,603.23	169.21
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0013 EA 6 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,641.18	169.21
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0014 EA 8 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,679.12	169.21
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0015 EA 10 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,717.08	169.21
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0016 EA 12 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,755.02	169.21
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0017 EA 14 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,792.98	169.21
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0018 EA 16 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,830.92	169.21
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0019 EA For Ceiling Installation of 45" Cabinet Unit Heater, Add.....	225.61	112.81
<b>23 82 39 13-0020 Electric Cabinet Unit Heaters, 58" Cabinet Length</b> <small>(23 82 39 13-0001)</small>		
23 82 39 13-0021 EA 6 KW, 750 CFM, 58" Electric Cabinet Unit Heater.....	3,272.37	225.61
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0022 EA 8 KW, 750 CFM, 58" Electric Cabinet Unit Heater.....	3,310.31	225.61
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0023 EA 10 KW, 750 CFM, 58" Electric Cabinet Unit Heater.....	3,348.27	225.61
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0024 EA 12 KW, 750 CFM, 58" Electric Cabinet Unit Heater.....	3,386.21	225.61
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0025 EA 14 KW, 750 CFM, 58" Electric Cabinet Unit Heater.....	3,424.16	225.61
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0026 EA 16 KW, 750 CFM, 58" Electric Cabinet Unit Heater.....	3,462.11	225.61
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0027 EA For Ceiling Installation of 58" Cabinet Unit Heater, Add.....	282.01	141.01
<b>23 82 39 13-0028 Electric Cabinet Unit Heaters, 68" Cabinet Length</b> <small>(23 82 39 13-0001)</small>		
23 82 39 13-0029 EA 6 KW, 750 CFM, 68" Electric Cabinet Unit Heater.....	3,865.61	282.01
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0030 EA 9 KW, 750 CFM, 68" Electric Cabinet Unit Heater.....	3,922.53	282.01
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0031 EA 12 KW, 750 CFM, 68" Electric Cabinet Unit Heater.....	3,979.45	282.01
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0032 EA 15 KW, 750 CFM, 68" Electric Cabinet Unit Heater.....	4,036.37	282.01
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0033 EA 18 KW, 750 CFM, 68" Electric Cabinet Unit Heater.....	4,093.31	282.01
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0034 EA 21 KW, 750 CFM, 68" Electric Cabinet Unit Heater.....	4,150.23	282.01
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0035 EA 24 KW, 750 CFM, 68" Electric Cabinet Unit Heater.....	4,207.15	282.01
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0036 EA For Ceiling Installation of 68" Cabinet Unit Heater, Add.....	376.77	188.38
<b>23 82 39 13-0037 Electric Cabinet Unit Heaters, 78" Cabinet Length</b> <small>(23 82 39 13-0001)</small>		
23 82 39 13-0038 EA 8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater.....	4,534.75	338.42
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0039 EA 12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater.....	4,610.65	338.42
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0040 EA 16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater.....	4,686.55	338.42
<small>Note: Wall or floor mounted.</small>		
23 82 39 13-0041 EA 20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater.....	4,762.45	338.42
<small>Note: Wall or floor mounted.</small>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0042 EA 24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	4,838.34	338.42
23 82 39 13-0043 EA 28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	4,914.24	338.42
23 82 39 13-0044 EA 32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	4,990.14	338.42
23 82 39 13-0045 EA For Ceiling Installation of 78" Cabinet Unit Heater, Add.....	451.22	225.61
<b>23 82 39 13-0046 Removal and Reinstallation of Cabinet Unit Heaters (23 82 39 13)</b> Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047 EA Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall.....	288.05	
23 82 39 13-0048 EA Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall .....	497.55	
23 82 39 13-0049 EA Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling .....	593.90	
23 82 39 13-0050 EA Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling .....	803.38	
<b>23 82 39 16 Propeller Unit Heaters (23 82 39)</b>		
<b>23 82 39 16-0001 Hydronic Unit Heaters Using Steam Or Hot Water (23 82 39 16)</b> Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
<b>23 82 39 16-0002 Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)</b>		
23 82 39 16-0003 EA 18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	814.31	104.75
23 82 39 16-0004 EA 24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	815.96	104.75
23 82 39 16-0005 EA 36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	910.79	104.75
23 82 39 16-0006 EA 48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,114.24	157.12
23 82 39 16-0007 EA 60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,162.75	157.12
23 82 39 16-0008 EA 72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,235.00	157.12
23 82 39 16-0009 EA 84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,481.96	209.49
23 82 39 16-0010 EA 96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,627.52	209.49
23 82 39 16-0011 EA 108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,720.14	209.49
23 82 39 16-0012 EA 120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,795.12	209.49
23 82 39 16-0013 EA 132 MBH Steam, 95.8 MBH Hot Water, 2,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,025.57	261.86
23 82 39 16-0014 EA 144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,050.94	261.86
23 82 39 16-0015 EA 156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,075.20	261.86
23 82 39 16-0016 EA 180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,209.65	314.24
23 82 39 16-0017 EA 204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,399.31	314.24
23 82 39 16-0018 EA 240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,736.87	366.61
23 82 39 16-0019 EA 280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,423.82	366.61
23 82 39 16-0020 EA 300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	3,640.96	418.98
23 82 39 16-0021 EA 360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,346.67	418.98
23 82 39 16-0022 EA Fan Guard For Fan Propelled Steam Unit Heater, Horizontal.....	220.51	26.19
Note: Required only for unit heaters located within 7' of a working surface.		
<b>23 82 39 16-0023 Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)</b>		
23 82 39 16-0024 EA 41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,179.31	104.75
23 82 39 16-0025 EA 65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,231.68	157.12
23 82 39 16-0026 EA 80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,327.07	157.12
23 82 39 16-0027 EA 101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,630.83	209.49
23 82 39 16-0028 EA 124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,724.55	209.49
23 82 39 16-0029 EA 152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,039.84	314.24
23 82 39 16-0030 EA 173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,183.19	314.24
23 82 39 16-0031 EA 210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,303.39	314.24
23 82 39 16-0032 EA 249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,572.56	366.61
23 82 39 16-0033 EA 283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,714.81	366.61
23 82 39 16-0034 EA 333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,002.60	366.61
23 82 39 16-0035 EA 386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,474.45	471.34
23 82 39 16-0036 EA 496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,431.57	471.34
23 82 39 16-0037 EA 585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,724.89	471.34
23 82 39 16-0038 EA 705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	5,378.76	523.72
23 82 39 16-0039 EA Fan Guard For Fan Propelled Steam Unit Heater, Vertical.....	302.11	26.19
Note: Required only for unit heaters located within 7' of a working surface.		
<b>23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters (23 82 39 16)</b> Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 16-0041 EA Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	628.46	
23 82 39 16-0042 EA Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	837.95	
<b>23 82 39 19 Wall and Ceiling Unit Heaters (23 82 39)</b>		
<b>23 82 39 19-0001 Electric Unit Heaters (23 82 39 19)</b> Note: May be mounted both vertically and horizontally.		
23 82 39 19-0002 EA 3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	732.13	112.81
23 82 39 19-0003 EA 5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	732.13	112.81
23 82 39 19-0004 EA 7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	979.21	141.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 19-0005 EA 10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	1,125.17	169.21
23 82 39 19-0006 EA 15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	1,635.93	225.61
23 82 39 19-0007 EA 20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt .....	2,370.17	282.01
23 82 39 19-0008 EA 30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	3,257.49	338.42
23 82 39 19-0009 EA 50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	4,734.17	394.82
23 82 39 19-0010 EA 3 KW, 350 CFM Electric Unit Heater - 480 Volt .....	896.79	112.81
23 82 39 19-0011 EA 5 KW, 350 CFM Electric Unit Heater - 480 Volt .....	864.65	112.81
23 82 39 19-0012 EA 7.5 KW, 650 CFM Electric Unit Heater - 480 Volt .....	1,026.28	141.01
23 82 39 19-0013 EA 10 KW, 650 CFM Electric Unit Heater - 480 Volt .....	1,186.39	169.21
23 82 39 19-0014 EA 15 KW, 910 CFM Electric Unit Heater - 480 Volt .....	1,758.38	225.61
<b>23 82 39 19-0015 Electric Ceiling and Wall Heaters</b> <small>(23 82 39 19)</small>		
Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.		
23 82 39 19-0016 EA 1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater .....	368.39	70.51
23 82 39 19-0017 EA 1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater .....	430.88	78.96
23 82 39 19-0018 EA 3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater .....	672.03	78.96
23 82 39 19-0019 EA 1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater .....	417.92	70.51
23 82 39 19-0020 EA 1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater .....	509.04	78.96
23 82 39 19-0021 EA 3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater .....	763.85	78.96
23 82 39 19-0022 EA 1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater .....	549.65	93.06
23 82 39 19-0023 EA 3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater .....	1,021.46	98.70
23 82 39 19-0024 EA 4,800/3,600 Watt Recessed Electric Ceiling Heater .....	1,148.91	98.70
23 82 39 19-0025 EA 4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater .....	1,333.21	104.35
23 82 39 19-0026 EA 5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater .....	1,445.11	104.35
23 82 39 19-0027 EA 1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater .....	615.85	93.06
23 82 39 19-0028 EA 3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater .....	1,125.74	98.70
23 82 39 19-0029 EA 4,800/3,600 Watt Surface Mounted Electric Ceiling Heater .....	1,253.18	98.70
23 82 39 19-0030 EA Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522T2DWB) .....	627.14	70.51
<b>23 82 39 19-0031 Removal And Reinstallation Of Electric Unit Heaters</b> <small>(23 82 39 19)</small>		
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 19-0032 EA Removal And Reinstallation Of Up To 15KW Electric Unit Heater .....	377.10	
23 82 39 19-0033 EA Removal And Reinstallation Of >15 KW Electric Unit Heater .....	775.20	
<b>23 83 Radiant Heating Units</b> <small>(23 80)</small>		
<b>23 83 13 Radiant-Heating Electric Cables</b> <small>(23 83)</small>		
<b>23 83 13 13 Radiant-Heating Electric Cables</b> <small>(23 83 13)</small>		
<b>23 83 13 13-0001 Self Regulating Heating Cable</b> <small>(23 83 13 13)</small>		
23 83 13 13-0002 LF 3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable .....	8.67	0.67
Note: Tinned copper braid, at 50 Degrees F.		
23 83 13 13-0003 LF 5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable .....	9.27	0.67
Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0004 LF 8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable .....	9.69	0.67
Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0005 LF 3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable .....	8.67	0.67
Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0006 LF 5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable .....	10.29	0.67
Note: Tinned copper braid, at 50 degrees F		
23 83 13 13-0007 LF 8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable .....	10.89	0.67
Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0008 LF 3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions .....	10.88	0.67
Note: Tinned copper braid, at 50 Degrees F.		
23 83 13 13-0009 LF 5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions .....	11.15	0.67
Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0010 LF 8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions .....	11.43	0.67
Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0011 LF 3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions .....	10.88	0.67
Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0012 LF 5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions .....	11.15	0.67
Note: Tinned copper braid, at 50 degrees F		
23 83 13 13-0013 LF 8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions .....	11.43	0.67
Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0014 LF 3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments.....	13.65	0.67
Note: Tinned copper braid, at 50 Degrees F.		
23 83 13 13-0015 LF 5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments.....	14.21	0.67
Note: Tinned copper braid, at 50 degrees F.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 83 Radiant Heating Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 83 13 13-0016 LF 8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments.....	14.48	0.67
Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0017 LF 3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments.....	13.65	0.67
Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0018 LF 5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments.....	14.21	0.67
Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0019 LF 8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments.....	14.48	0.67
Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0020 EA Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable.....	289.63	52.94
23 83 13 13-0021 EA Splice And Tee Kit For Self Regulating Low Temperature Heating Cable.....	289.63	52.94
23 83 13 13-0022 EA End Seal Kit For Self Regulating Low Temperature Heating Cable.....	203.01	9.63
23 83 13 13-0023 EA Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable.....	551.34	24.06
23 83 13 13-0024 EA Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable.....	608.51	24.06

**23 84 Humidity Control Equipment (23 80)****23 84 13 Humidifiers (23 84)****23 84 13 16 Wetted-Element Humidifiers (23 84 13)****23 84 13 16-0001 Electric Steam Humidifiers, Self-Steam Producing (23 84 13 16)**

Note: Electronic modulating duct or air handling unit installation 208V-108V with 12"-72" manifolds included.

23 84 13 16-0002 EA 1-96 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	12,468.53	431.55
23 84 13 16-0003 EA 20-168 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	15,831.14	432.59

**23 84 13 23 Direct-Steam-Injection Humidifiers (23 84 13)****23 84 13 23-0001 Steam Type Pneumatically Controlled (23 84 13 23)**

Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.

23 84 13 23-0002 EA 3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls.....	1,975.10	276.52
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	606.50	
23 84 13 23-0003 EA 3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls.....	1,975.10	276.52
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	606.50	
23 84 13 23-0004 EA 65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls.....	2,859.81	276.52
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	871.91	
23 84 13 23-0005 EA 65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls.....	2,964.55	345.66
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	906.82	
23 84 13 23-0006 EA 100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls.....	4,314.51	276.52
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	1,308.32	
23 84 13 23-0007 EA 100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls.....	4,419.25	345.66
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	1,343.23	
23 84 13 23-0008 EA 220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls.....	6,692.23	345.66
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	2,025.13	
23 84 13 23-0009 EA 220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls.....	6,823.16	432.59
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	2,068.77	

**23 84 13 29 Self-Contained Steam Humidifiers (23 84 13)****23 84 13 29-0001 Residential Humidifiers (23 84 13 29)**

Note: Includes solenoid valve and flow through water supply.

23 84 13 29-0002 EA Duct Or Furnace Mounted Humidifier, Residential Type.....	559.18	52.37
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**23 84 16 Mechanical Dehumidification Units (23 84)****23 84 16 16 Indoor, Mechanical Dehumidification Units (23 84 16)****23 84 16 16-0001 Mechanical Dehumidification Units (23 84 16 16)**

Note: Sized by moisture removal per 24 hours.

23 84 16 16-0002 EA 65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier.....	2,218.41	56.40
23 84 16 16-0003 EA 90 Pint Per Day, 235 CFM, 10" Duct Connection, Refrigerant Dehumidifier.....	2,792.80	65.80
23 84 16 16-0004 EA 120 Pint Per Day, 350 CFM, 10" Duct Connection, Refrigerant Dehumidifier.....	3,747.93	75.20

**23 84 16 33 Portable Dehumidifiers (23 84 16)****23 84 16 33-0001 Self Contained Free Standing Unit (23 84 16 33)**

Note: Sized by moisture removal per 24 hours.

23 84 16 33-0002 EA 30 Pint/24 Hour Dehumidifier.....	492.88	122.08
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<b>Heating, Ventilating, and Air-Conditioning (HVAC)</b>	<b>23</b>	<b>23</b>
Decentralized Unitary HVAC Equipment	23 80	
Humidity Control Equipment	23 84	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 84 16 33-0003 EA 50 Pint/24 Hour Dehumidifier.....	596.10	122.08
23 84 16 33-0004 EA 70 Pint/24 Hour Dehumidifier.....	658.03	122.08

**END OF SECTION 23**

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

23 80 Decentralized Unitary HVAC Equipment

23 84 Humidity Control Equipment



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MINOR	TOTAL DIRECT	DEMOLITION
CSI	UNIT COST	UNIT COST
UOM		
DESCRIPTION		

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<b>Integrated Automation</b>	<b>25</b>	<b>25</b>
Integrated Automation Facility Controls	25 50	
Integrated Automation Control of HVAC	25 55	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 25 Integrated Automation

25 50 Integrated Automation Facility Controls <sup>(25)</sup>

25 55 Integrated Automation Control of HVAC <sup>(25 50)</sup>  
See CSI section 23 09 00 00-0000 for Instrumentation And Control For HVAC.

**END OF SECTION 25**

25	<b>25</b>	<b>Integrated Automation</b>
	25 50	Integrated Automation Facility Controls
	25 55	Integrated Automation Control of HVAC



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels. Electrical equipment and lighting shall conform to California Title 24.

### 26 01 Operation and Maintenance of Electrical Systems <sup>(26)</sup>

#### 26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution <sup>(26 01)</sup>

##### 26 01 10 91 Medium-Voltage Electrical Distribution Restoration <sup>(26 01 10)</sup>

26 01 10 91-0001	<b>Retrofit Distribution Enclosures <sup>(26 01 10 91)</sup></b> Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.	
26 01 10 91-0002	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C) .....	512.90
	Note: 2mm thick, aluminum frame, hinged cover.	
	<i>For Up To 20, Add</i>	113.34
	<i>For &gt;20 To 50, Add</i>	90.67
	<i>For &gt;50 To 100, Add</i>	45.34
26 01 10 91-0003	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C) .....	675.40
	Note: 2mm thick, aluminum frame, hinged cover.	
	<i>For Up To 20, Add</i>	153.97
	<i>For &gt;20 To 50, Add</i>	123.17
	<i>For &gt;50 To 100, Add</i>	61.59
26 01 10 91-0004	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C) .....	1,032.89
	Note: 4mm thick, aluminum frame, hinged cover.	
	<i>For Up To 20, Add</i>	243.34
	<i>For &gt;20 To 50, Add</i>	194.67
	<i>For &gt;50 To 100, Add</i>	97.34
26 01 10 91-0005	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO) .....	508.27
	Note: 2mm thick, aluminum frame, twist cover.	
	<i>For Up To 20, Add</i>	112.18
	<i>For &gt;20 To 50, Add</i>	89.75
	<i>For &gt;50 To 100, Add</i>	44.87
26 01 10 91-0006	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2) .....	511.13
	Note: 2mm thick, aluminum frame, twist cover.	
	<i>For Up To 20, Add</i>	112.90
	<i>For &gt;20 To 50, Add</i>	90.32
	<i>For &gt;50 To 100, Add</i>	45.16
26 01 10 91-0007	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3) .....	662.17
	Note: 2mm thick, aluminum frame, twist cover.	
	<i>For Up To 20, Add</i>	150.66
	<i>For &gt;20 To 50, Add</i>	120.53
	<i>For &gt;50 To 100, Add</i>	60.26
26 01 10 91-0008	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4) .....	1,003.51
	Note: 4mm thick, aluminum frame, twist cover.	
	<i>For Up To 20, Add</i>	235.99
	<i>For &gt;20 To 50, Add</i>	188.79
	<i>For &gt;50 To 100, Add</i>	94.40
26 01 10 91-0009	EA 2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR) .....	395.91
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
	<i>For Up To 20, Add</i>	84.09
	<i>For &gt;20 To 50, Add</i>	67.27
	<i>For &gt;50 To 100, Add</i>	33.64
26 01 10 91-0010	EA 3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR) .....	571.40
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
	<i>For Up To 20, Add</i>	127.97
	<i>For &gt;20 To 50, Add</i>	102.37
	<i>For &gt;50 To 100, Add</i>	51.19
26 01 10 91-0011	EA 4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR) .....	827.33
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
	<i>For Up To 20, Add</i>	191.95
	<i>For &gt;20 To 50, Add</i>	153.56
	<i>For &gt;50 To 100, Add</i>	76.78
26 01 10 91-0012	EA 2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	751.40
	Note: 4mm thick, aluminum frame, magnetic cover.	
	<i>For Up To 20, Add</i>	172.97
	<i>For &gt;20 To 50, Add</i>	138.37
	<i>For &gt;50 To 100, Add</i>	69.19
26 01 10 91-0013	EA 3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	1,045.01
	Note: 4mm thick, aluminum frame, magnetic cover.	
	<i>For Up To 20, Add</i>	246.37
	<i>For &gt;20 To 50, Add</i>	197.09
	<i>For &gt;50 To 100, Add</i>	98.55

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 01 10 91-0014	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	1,941.80
		Note: 4mm thick, aluminum frame, magnetic cover.	
		For Up To 20, Add	470.57
		For >20 To 50, Add	376.45
		For >50 To 100, Add	188.23
26 01 10 91-0015	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	868.10
		Note: 4mm thick, aluminum frame, magnetic cover.	
		For Up To 20, Add	202.14
		For >20 To 50, Add	161.71
		For >50 To 100, Add	80.86
26 01 10 91-0016	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	1,293.24
		Note: 4mm thick, aluminum frame, magnetic cover.	
		For Up To 20, Add	308.43
		For >20 To 50, Add	246.74
		For >50 To 100, Add	123.37

## 26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution (26 01)

### 26 01 20 91 Low-Voltage Electrical Distribution Restoration (26 01 20)

26 01 20 91-0001		Lock Out/Tag Out Devices <small>(26 01 20 91)</small> Note: Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.	
26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect .....	34.65
		Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter .....	34.65
		Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	
26 01 20 91-0004	EA	Lock Out Padlock Device .....	9.63
		Note: Includes the installation and removal of pad lock when required	
26 01 20 91-0005	EA	Lock Out Tags .....	4.19
		Note: Includes filling out tag information, installation and removal of identifying tags.	
26 01 20 91-0006		Existing Circuit Tracing <small>(26 01 20 91)</small>	
26 01 20 91-0007	EA	Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device .....	20.01
26 01 20 91-0008	EA	Lighting, Existing Circuit Tracing Per Circuit .....	20.01

## 26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment (26 01)

### 26 01 30 91 Facility Electrical Power Generating and Storing Equipment Restoration (26 01 30)

26 01 30 91-0001		Emergency Generator Permits <small>(26 01 30 91)</small>	
26 01 30 91-0002		Air Pollution Control Board <small>(26 01 30 91-0001)</small>	
26 01 30 91-0003	EA	APCD Permit To Construct And Operate Emergency Generator .....	4,719.83

## 26 01 50 Operation and Maintenance of Lighting (26 01)

### 26 01 50 51 Luminaire Relamping (26 01 50)

26 01 50 51-0001		Replace Lamps In Existing Fixtures <small>(26 01 50 51)</small> Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0382 for disposal of hazardous lamps.	
26 01 50 51-0002		Halogen Lamps <small>(26 01 50 51-0001)</small>	
26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp .....	42.73
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp .....	55.14
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp .....	82.35
26 01 50 51-0006	EA	90 Watt, PAR38, Halogen Lamp .....	19.87
26 01 50 51-0007	EA	100 Watt, PAR38, Halogen Lamp .....	19.87
26 01 50 51-0008	EA	60 Watt, PAR38, Halogen IR Reflective Lamp .....	37.63
26 01 50 51-0009	EA	67 Watt, PAR38, Halogen IR Reflective Lamp .....	41.92
26 01 50 51-0010	EA	70 Watt, PAR38, Halogen IR Reflective Lamp .....	40.81
26 01 50 51-0011	EA	90 Watt, PAR38, Halogen IR Reflective Lamp .....	44.09
26 01 50 51-0012	EA	100 Watt, PAR38, Halogen IR Reflective Lamp .....	44.78
26 01 50 51-0013	EA	75 Watt, PAR38, Halogen Lamp .....	20.97
26 01 50 51-0014	EA	60 Watt, PAR38, Halogen Lamp .....	20.97
26 01 50 51-0015	EA	12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-65-B01-12-830-10) .....	22.21
26 01 50 51-0016	EA	12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-20) .....	22.21
26 01 50 51-0017	EA	12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-25) .....	24.68
26 01 50 51-0018	EA	12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-36) .....	24.68

### 26 01 50 51-0019 Incandescent Lamps (26 01 50 51-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0020 EA 100 Watt, Frosted, Interior Incandescent Lamp .....	5.51	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.59	
26 01 50 51-0021 EA 150 Watt, Frosted, Interior Incandescent Lamp .....	6.90	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.59	
26 01 50 51-0022 EA 200 Watt, Frosted, Interior Incandescent Lamp .....	8.48	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.59	
26 01 50 51-0023 EA 300 Watt, PS25, Interior Incandescent Lamp .....	10.46	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.59	
26 01 50 51-0024 EA 60 Watt, G25, Clear, Interior Incandescent Lamp .....	7.79	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.59	
26 01 50 51-0025 EA 75 Watt, R20, Interior Incandescent Lamp .....	12.42	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0026 EA 75 Watt, PAR38, Exterior Incandescent Lamp .....	15.19	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0027 EA 100 Watt, PAR38, Exterior Incandescent Lamp .....	14.09	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0028 EA 150 Watt, PAR38, Exterior Incandescent Lamp .....	24.59	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0029 EA 250 Watt, PAR38, Exterior Incandescent Lamp .....	51.00	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.23	
26 01 50 51-0030 EA 300 Watt, PAR56, Exterior Incandescent Lamp .....	58.71	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.23	
 <b>26 01 50 51-0031 Exit Light Lamps (26 01 50 51-0001)</b>		
26 01 50 51-0032 EA Convert Exit Light Lamps To Red LED Lamps .....	92.27	
<i>For Green LED Lamps, Add</i>	25.00	
26 01 50 51-0033 EA Fluorescent Lamp For Exit Light .....	26.26	
<i>For Multiple Lamps In Fixture, Deduct</i>	-6.37	
26 01 50 51-0034 EA Lamp Replacement For Emergency Lights On Exit Sign .....	34.81	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.19	
 <b>26 01 50 51-0035 Fluorescent Lamps (26 01 50 51-0001)</b>		
26 01 50 51-0036 EA 18", 15 Watt, T8 Fluorescent Lamp .....	10.67	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0037 EA 2', 17 Watt, T8 Fluorescent Lamp .....	13.22	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0038 EA 3', 25 Watt, T8 Fluorescent Lamp .....	15.24	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0039 EA 4', 28 Watt, Rapid Start T8 Fluorescent Lamp .....	14.89	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0040 EA 4', 32 Watt, T8 Fluorescent Lamp .....	14.37	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0041 EA 4', 30 Watt, T8 Fluorescent Lamp .....	19.64	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0042 EA 4', 28 Watt, T8 Fluorescent Lamp .....	16.96	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0043 EA 4', 25 Watt, T8 Fluorescent Lamp .....	16.85	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0044 EA 4', 44 Watt, T8HO Fluorescent Lamp .....	28.39	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0045 EA 8', 59 Watt, T8 Fluorescent Lamp .....	21.14	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0046 EA 18", 15 Watt, T12 Fluorescent Lamp .....	17.10	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0047 EA 2', 20 Watt, T12 Fluorescent Lamp .....	12.49	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0048 EA 3', 30 Watt, T12 Fluorescent Lamp .....	14.03	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0049 EA 4', 34 Watt, T12 Fluorescent Lamp .....	14.11	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0050 EA 4', 40 Watt, T12 Fluorescent Lamp .....	13.78	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0051 EA 8', 60 Watt, T12 Fluorescent Lamp .....	21.73	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0052 EA 8', 75 Watt, T12 Fluorescent Lamp .....	18.03	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0053 EA 8', 95 Watt, Instant Start T12 Fluorescent Lamp .....	29.44	
26 01 50 51-0054 EA 6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp .....	17.33	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0055 EA 8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp .....	13.92	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0056 EA 12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp .....	13.39	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0057 EA 16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp .....	15.02	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0058 EA 6", 4 Watt, T5 Fluorescent Lamp .....	12.05	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0059 EA 9", 6 Watt, T5 Fluorescent Lamp .....	11.82	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0060 EA 12", 8 Watt, T5 Fluorescent Lamp .....	12.26	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0061 EA 21", 13 Watt, T5 Fluorescent Lamp .....	12.91	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0062 EA 24", 14 Watt, T5 Fluorescent Lamp .....	15.17	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0063 EA 34", 21 Watt, T5 Fluorescent Lamp .....	16.43	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0064 EA 46", 28 Watt, T5 Fluorescent Lamp .....	15.85	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0065 EA 46", 54 Watt, T5HO Fluorescent Lamp .....	17.54	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0066 EA 46", 54 Watt T5 Fluorescent Lamp .....	14.18	
26 01 50 51-0067 EA 32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp .....	25.61	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.19	
26 01 50 51-0068 EA 40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp .....	24.60	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.19	
26 01 50 51-0069 EA 27-55 Watt, 4-Pin Compact Fluorescent Lamp .....	23.94	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.59	
26 01 50 51-0070 EA 5-13 Watt, 2-Pin Compact Fluorescent Lamp .....	9.85	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.59	
26 01 50 51-0071 EA 9-26 Watt, 4-Pin Compact Fluorescent Lamp .....	11.03	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.59	
26 01 50 51-0072 EA Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux .....	30.86	
26 01 50 51-0073 EA Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux .....	30.86	
26 01 50 51-0074 EA 32 Watt 2D (DoubleD) Fluorescent Lamp .....	60.61	
26 01 50 51-0075 EA 26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp .....	21.20	
26 01 50 51-0076 EA <9 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	9.62	
26 01 50 51-0077 EA 9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	8.24	
26 01 50 51-0078 EA 29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	8.67	
26 01 50 51-0079 EA 33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	37.34	
26 01 50 51-0080 EA 43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	40.78	
26 01 50 51-0081 EA 85 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	78.14	
26 01 50 51-0082 EA 105 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	93.70	
26 01 50 51-0083 EA 200 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	96.87	
26 01 50 51-0084 EA 11 Watt, Screw-In, Compact Fluorescent Reflector Lamps .....	34.70	
26 01 50 51-0085 EA 15 Watt, Screw-In, Compact Fluorescent Reflector Lamps .....	36.22	
26 01 50 51-0086 EA 20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps .....	41.92	
<b>26 01 50 51-0087 Metal Halide Lamps</b> <small>(26 01 50 51-0001)</small>		
26 01 50 51-0088 EA 50 Watt, Pulse Start Metal Halide Lamp .....	44.34	
26 01 50 51-0089 EA 70 Watt, Pulse Start Metal Halide Lamp .....	42.25	
26 01 50 51-0090 EA 100 Watt, Pulse Start Metal Halide Lamp .....	48.85	
26 01 50 51-0091 EA 150 Watt, Pulse Start Metal Halide Lamp .....	47.35	
26 01 50 51-0092 EA 175 Watt, Pulse Start Metal Halide Lamp .....	46.92	
26 01 50 51-0093 EA 250 Watt, Pulse Start Metal Halide Lamp .....	47.22	
26 01 50 51-0094 EA 400 Watt, Pulse Start Metal Halide Lamp .....	57.74	
26 01 50 51-0095 EA 1,000 Watt, Pulse Start Metal Halide Lamp .....	67.83	
26 01 50 51-0096 EA 1,500 Watt, Pulse Start Metal Halide Lamp .....	67.41	
<b>26 01 50 51-0097 High Pressure Sodium Lamps</b> <small>(26 01 50 51-0001)</small>		
26 01 50 51-0098 EA 35 Watt, High Pressure Sodium Lamp .....	35.83	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.45	
26 01 50 51-0099 EA 50 Watt, High Pressure Sodium Lamp .....	35.83	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.45	
26 01 50 51-0100 EA 70 Watt, High Pressure Sodium Lamp .....	36.73	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.45	
26 01 50 51-0101 EA 100 Watt, High Pressure Sodium Lamp .....	38.45	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.45	
26 01 50 51-0102 EA 150 Watt, High Pressure Sodium Lamp .....	36.73	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.45	
26 01 50 51-0103 EA 250 Watt, High Pressure Sodium Lamp .....	36.73	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.45	
26 01 50 51-0104 EA 400 Watt, High Pressure Sodium Lamp .....	34.18	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.45	
26 01 50 51-0105 EA 1,000 Watt, High Pressure Sodium Lamp .....	84.19	
<b>26 01 50 51-0106 Low Pressure Sodium Lamps</b> <small>(26 01 50 51-0001)</small>		
26 01 50 51-0107 EA 35 Watt, Low Pressure Sodium Lamp .....	97.81	
26 01 50 51-0108 EA 55 Watt, Low Pressure Sodium Lamp .....	109.65	
26 01 50 51-0109 EA 70 Watt, Low Pressure Sodium Lamp .....	112.31	
26 01 50 51-0110 EA 90 Watt, Low Pressure Sodium Lamp .....	114.98	
26 01 50 51-0111 EA 135 Watt, Low Pressure Sodium Lamp .....	125.64	
26 01 50 51-0112 EA 180 Watt, Low Pressure Sodium Lamp .....	173.63	
<b>26 01 50 51-0113 LED Lamps</b> <small>(26 01 50 51-0001)</small>		
<b>26 01 50 51-0114 LED Lamps, Candelabra Base, CA10</b> <small>(26 01 50 51-0113)</small>		
26 01 50 51-0115 EA 3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star) .....	14.57	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 01 50 51-0116</b>				<b>LED Lamps, Medium Base, A19 Or A21</b> <small>(26 01 50 51-0113)</small>		
	EA			6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star) .....	19.80	
	EA			11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star) .....	19.80	
	EA			14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star) .....	33.86	
	EA			17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star) .....	23.35	
	EA			18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star) .....	42.64	
	EA			16.5 Watt, Medium Base, A21 LED Lamp (Green Creative 58239 16.5A21/840/277V) .....	45.13	
				<i>For &gt;25 To 50, Deduct</i>	-2.26	
				<i>For &gt;50 To 100, Deduct</i>	-3.67	
				<i>For &gt;100, Deduct</i>	-5.67	
	EA			14 Watt, Medium Base, A19, LED Lamp (Sylvania LED14A19/F/835/10YV/RP) .....	13.60	
				<i>For &gt;25 To 50, Deduct</i>	-0.68	
				<i>For &gt;50 To 100, Deduct</i>	-1.17	
				<i>For &gt;100, Deduct</i>	-1.94	
	EA			16.5 Watt, Medium Base, A21, LED Lamp (GreenCreative 16.5A21/840/277V/R).....	29.57	
				<i>For &gt;25 To 50, Deduct</i>	-1.48	
				<i>For &gt;50 To 100, Deduct</i>	-2.36	
				<i>For &gt;100, Deduct</i>	-3.54	
<b>26 01 50 51-0125</b>				<b>LED Lamps, Medium Base, BR30 Or BR40</b> <small>(26 01 50 51-0113)</small>		
	EA			9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	26.58	
	EA			14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	23.61	
	EA			11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	31.50	
	EA			14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	26.24	
	EA			14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	35.01	
	EA			18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	26.24	
<b>26 01 50 51-0132</b>				<b>LED Lamps, Medium Base, PAR</b> <small>(26 01 50 51-0113)</small>		
	EA			7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star) .....	29.39	
	EA			12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star) .....	40.30	
	EA			16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	40.30	
	EA			15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	38.54	
	EA			12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	36.78	
	EA			15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star) .....	36.78	
	EA			18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star) .....	72.28	
	EA			15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star) .....	40.30	
	EA			18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star) .....	38.54	
	EA			19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star) .....	40.30	
	EA			24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star) .....	40.30	
<b>26 01 50 51-0144</b>				<b>LED Lamps, GU Base, MR16</b> <small>(26 01 50 51-0113)</small>		
	EA			4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star).....	20.09	
	EA			6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star).....	26.58	
	EA			8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star).....	29.39	
<b>26 01 50 51-0148</b>				<b>LED Lamps, PL Series</b> <small>(26 01 50 51-0113)</small>		
	EA			3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23).....	16.60	
	EA			26 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/827/DIR).....	21.61	
	EA			26 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/830/DIR).....	17.90	
	EA			26 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/835/DIR).....	20.22	
	EA			26 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/840/DIR).....	20.22	
	EA			26 Watt, 3000K CCT, High CRI, PL EDGE DiRect Series (Green Creative 10.5PLH/930/DIR) .....	24.38	
	EA			13-18 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/827/DIR) .....	20.22	
	EA			13-18 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/830/DIR) .....	20.22	
	EA			13-18 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/835/DIR) .....	20.22	
	EA			13-18 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/840/DIR) .....	20.22	
	EA			26 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 10PLV/827/DIR).....	22.99	
	EA			26 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 10PLV/830/DIR).....	22.99	
	EA			26 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 10PLV/835/DIR).....	22.99	
	EA			26 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 10PLV/840/DIR).....	22.99	
	EA			26 Watt, 3000K CCT, High CRI, PL EDGE DiRect Series (Green Creative 11PLV/930/DIR) .....	21.61	
	EA			13-18 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/827/DIR).....	21.61	
	EA			13-18 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/830/DIR).....	21.61	
	EA			13-18 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/835/DIR).....	22.53	
	EA			13-18 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/840/DIR).....	22.53	
	EA			26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP).....	22.74	
	EA			26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP).....	22.74	
	EA			26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP).....	22.74	
	EA			26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP).....	22.74	
	EA			13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP).....	23.46	
	EA			13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP).....	23.46	
	EA			13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26) .....	23.46	
	EA			13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26) .....	23.46	
	EA			13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26) .....	23.46	
	EA			13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24) .....	23.46	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 01 50 51-0178	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24).....	23.46
26 01 50 51-0179	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24).....	23.46
26 01 50 51-0180	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP).....	30.69
26 01 50 51-0181	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP).....	30.69
26 01 50 51-0182	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP).....	30.69
26 01 50 51-0183	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP).....	29.02
26 01 50 51-0184	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP).....	29.02
26 01 50 51-0185	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP).....	29.02
26 01 50 51-0186	EA	4 Pin, 6 Watt, 560 Lumens 4000K CCT, Horizontal Mount LED PL Lamp (Green Creative 57898).....	24.10

**26 01 50 51-0187****HID LED Lamps, Medium Base E26** (26 01 50 51-0113)

26 01 50 51-0188	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26).....	60.97
26 01 50 51-0189	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26).....	60.97
26 01 50 51-0190	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26).....	78.09
26 01 50 51-0191	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26).....	78.09
26 01 50 51-0192	EA	10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026).....	50.58
26 01 50 51-0193	EA	10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026).....	50.58
26 01 50 51-0194	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026).....	50.58
26 01 50 51-0195	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026).....	50.58
26 01 50 51-0196	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026).....	52.43
26 01 50 51-0197	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026).....	52.43
26 01 50 51-0198	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026).....	52.43
26 01 50 51-0199	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026).....	52.43
26 01 50 51-0200	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026).....	59.84
26 01 50 51-0201	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026).....	59.84
26 01 50 51-0202	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026).....	59.84
26 01 50 51-0203	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026).....	59.84
26 01 50 51-0204	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026).....	69.10
26 01 50 51-0205	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026).....	69.10
26 01 50 51-0206	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026).....	69.10
26 01 50 51-0207	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026).....	69.10
26 01 50 51-0208	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026).....	89.47
26 01 50 51-0209	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026).....	89.47
26 01 50 51-0210	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026).....	89.47
26 01 50 51-0211	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026).....	89.47
26 01 50 51-0212	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026).....	107.06
26 01 50 51-0213	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026).....	107.06
26 01 50 51-0214	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026).....	107.06
26 01 50 51-0215	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026).....	107.06
26 01 50 51-0216	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026).....	119.10
26 01 50 51-0217	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026).....	119.10
26 01 50 51-0218	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026).....	119.10
26 01 50 51-0219	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026).....	119.10
26 01 50 51-0220	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026).....	162.62
26 01 50 51-0221	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026).....	162.62
26 01 50 51-0222	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026).....	162.62
26 01 50 51-0223	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026).....	162.62
26 01 50 51-0224	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026).....	168.18
26 01 50 51-0225	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026).....	168.18
26 01 50 51-0226	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026).....	168.18
26 01 50 51-0227	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026).....	168.18
26 01 50 51-0228	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026).....	200.59
26 01 50 51-0229	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026).....	200.59
26 01 50 51-0230	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026).....	200.59
26 01 50 51-0231	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026).....	200.59
26 01 50 51-0232	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026).....	239.48
26 01 50 51-0233	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026).....	239.48
26 01 50 51-0234	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026).....	239.48
26 01 50 51-0235	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026).....	239.48
26 01 50 51-0236	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED20WPT40KMED-G6).....	76.21
26 01 50 51-0237	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED20WPT50KMED-G6).....	82.69
26 01 50 51-0238	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED27WPT40KMED-G5).....	82.69
26 01 50 51-0239	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED27WPT50KMED-G5).....	76.21
26 01 50 51-0240	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED36WPT40KMED-G5).....	96.58
26 01 50 51-0241	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED36WPT50KMED-G5).....	88.25
26 01 50 51-0242	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED45WPT40KMED-G5).....	106.77
26 01 50 51-0243	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED45WPT50KMED-G5).....	105.68
26 01 50 51-0244	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED54WPT40KMED-G5).....	108.16
26 01 50 51-0245	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED54WPT50KMED-G5).....	108.16
26 01 50 51-0246	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED27WPT40KMED-G7).....	64.20
26 01 50 51-0247	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED27WPT50KMED-G7).....	64.20
26 01 50 51-0248	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED36WPT40KMED-G7).....	72.77
26 01 50 51-0249	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED36WPT50KMED-G7).....	72.77
26 01 50 51-0250	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED45WPT40KMED-G7).....	78.46
26 01 50 51-0251	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED45WPT50KMED-G7).....	78.46
26 01 50 51-0252	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED54WPT40KMED-G7).....	87.02
26 01 50 51-0253	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED54WPT50KMED-G7).....	87.02
26 01 50 51-0254	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26).....	87.46
26 01 50 51-0255	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26).....	95.06
26 01 50 51-0256	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26).....	119.04



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0257	EA			50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26) .....	131.45	
26 01 50 51-0258	EA			10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26) .....	49.68	
26 01 50 51-0259	EA			15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26) .....	56.35	
26 01 50 51-0260	EA			20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26) .....	59.68	
26 01 50 51-0261	EA			25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26) .....	65.89	
26 01 50 51-0262	EA			15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148015-UNV) .....	79.89	
26 01 50 51-0263	EA			20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148020-UNV) .....	94.14	
26 01 50 51-0264	EA			25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148025-UNV) .....	129.75	
26 01 50 51-0265	EA			30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148030-UNV) .....	136.87	
26 01 50 51-0266	EA			35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148035-UNV) .....	148.27	
26 01 50 51-0267	EA			40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148040-UNV) .....	155.39	
26 01 50 51-0268	EA			60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148060-UNV) .....	225.21	
26 01 50 51-0269	EA			20 Watt, 5000K CCT, 120-277 Volt, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-IOD-20W-E26-50K) .....	63.36	
<b>26 01 50 51-0270 HID LED Lamps, Mogul Base E39 Or EX39 <small>(26 01 50 51-0113)</small></b>						
26 01 50 51-0271	EA			120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39) .....	214.11	
26 01 50 51-0272	EA			120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39) .....	214.11	
26 01 50 51-0273	EA			120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39) .....	214.11	
26 01 50 51-0274	EA			27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39) .....	60.97	
26 01 50 51-0275	EA			27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R) .....	60.97	
26 01 50 51-0276	EA			27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39) .....	60.97	
26 01 50 51-0277	EA			45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39) .....	78.09	
26 01 50 51-0278	EA			45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R) .....	78.09	
26 01 50 51-0279	EA			45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39) .....	78.09	
26 01 50 51-0280	EA			80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39) .....	147.54	
26 01 50 51-0281	EA			80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039) .....	162.62	
26 01 50 51-0282	EA			80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039) .....	162.62	
26 01 50 51-0283	EA			80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039) .....	162.62	
26 01 50 51-0284	EA			80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039) .....	162.62	
26 01 50 51-0285	EA			100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039) .....	168.18	
26 01 50 51-0286	EA			100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039) .....	168.18	
26 01 50 51-0287	EA			100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039) .....	168.18	
26 01 50 51-0288	EA			100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039) .....	168.18	
26 01 50 51-0289	EA			120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039) .....	200.59	
26 01 50 51-0290	EA			120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039) .....	200.59	
26 01 50 51-0291	EA			120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039) .....	200.59	
26 01 50 51-0292	EA			120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039) .....	200.59	
26 01 50 51-0293	EA			150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039) .....	239.48	
26 01 50 51-0294	EA			150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039) .....	239.48	
26 01 50 51-0295	EA			150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039) .....	239.48	
26 01 50 51-0296	EA			150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039) .....	239.48	
26 01 50 51-0297	EA			27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5) .....	82.69	
26 01 50 51-0298	EA			27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5) .....	82.69	
26 01 50 51-0299	EA			36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5) .....	96.58	
26 01 50 51-0300	EA			36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5) .....	96.58	
26 01 50 51-0301	EA			45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5) .....	106.77	
26 01 50 51-0302	EA			45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5) .....	106.77	
26 01 50 51-0303	EA			54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5) .....	108.16	
26 01 50 51-0304	EA			54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5) .....	108.16	
26 01 50 51-0305	EA			100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5) .....	230.85	
26 01 50 51-0306	EA			20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT180/40KMOG-G7) .....	82.67	
26 01 50 51-0307	EA			20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT180/50KMOG-G7) .....	82.67	
26 01 50 51-0308	EA			30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT180/40KMOG-G7) .....	94.19	
26 01 50 51-0309	EA			30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT180/50KMOG-G7) .....	94.19	
26 01 50 51-0310	EA			40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT180/40KMOG-G7) .....	101.11	
26 01 50 51-0311	EA			40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT180/50KMOG-G7) .....	101.11	
26 01 50 51-0312	EA			27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7) .....	64.09	
26 01 50 51-0313	EA			27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7) .....	64.09	
26 01 50 51-0314	EA			36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7) .....	72.77	
26 01 50 51-0315	EA			36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7) .....	72.77	
26 01 50 51-0316	EA			45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7) .....	78.46	
26 01 50 51-0317	EA			45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7) .....	78.46	
26 01 50 51-0318	EA			54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7) .....	87.02	
26 01 50 51-0319	EA			54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7) .....	87.02	
26 01 50 51-0320	EA			65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39) .....	159.14	
26 01 50 51-0321	EA			80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39) .....	184.51	
26 01 50 51-0322	EA			100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39) .....	220.62	
26 01 50 51-0323	EA			120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39) .....	433.29	
26 01 50 51-0324	EA			150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39) .....	409.00	
26 01 50 51-0325	EA			200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39) .....	433.29	
26 01 50 51-0326	EA			250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39) .....	435.18	
26 01 50 51-0327	EA			24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A) .....	63.66	
26 01 50 51-0328	EA			24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A) .....	63.66	
26 01 50 51-0329	EA			24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A) .....	63.66	
26 01 50 51-0330	EA			100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50) .....	191.24	
26 01 50 51-0331	EA			115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D) .....	392.22	
26 01 50 51-0332	EA			40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K) .....	175.31	
26 01 50 51-0333	EA			100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K) .....	207.31	
26 01 50 51-0334	EA			45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K) .....	88.95	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0335	EA		40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K) .....	272.02	
<b>26 01 50 51-0336</b>			<b>LED Lamps, 2G11 Base</b> (26 01 50 51-0113)		
26 01 50 51-0337	EA		19 Watt, 1550 Lumens, 3500K CCT, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR) .....	45.06	
<b>26 01 50 51-0338</b>			<b>LED Lamps, GX23 Or G23 Base</b> (26 01 50 51-0113)		
26 01 50 51-0339	EA		5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4) .....	21.50	
26 01 50 51-0340	EA		5.5 Watt, GX23 Base, LED Lamp (GreenCreative 5.5PLS/840/HYB/GX23) .....	17.67	
			For >25 To 50, Deduct	-0.88	
			For >50 To 100, Deduct	-1.47	
			For >100, Deduct	-2.35	
26 01 50 51-0341	EA		5.5 Watt, GX23 Base, LED Lamp (GreenCreative 5.5PLSH/840/HYB/GX23) .....	19.63	
			For >25 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-1.62	
			For >100, Deduct	-2.54	
26 01 50 51-0342	EA		5.5 Watt, GX23 Base, LED Lamp (GreenCreative 5.5PLSH/835/HYB/GX23) .....	19.63	
			For >25 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-1.62	
			For >100, Deduct	-2.54	
26 01 50 51-0343	EA		3.5 Watt, G23 Base, LED Lamp (GreenCreative 3.5PLS/835/HYB/G23) .....	17.67	
			For >25 To 50, Deduct	-0.88	
			For >50 To 100, Deduct	-1.47	
			For >100, Deduct	-2.35	
26 01 50 51-0344	EA		3.5 Watt, G23 Base, LED Lamp (GreenCreative 3.5PLS/840/HYB/G23) .....	17.67	
			For >25 To 50, Deduct	-0.88	
			For >50 To 100, Deduct	-1.47	
			For >100, Deduct	-2.35	
<b>26 01 50 51-0345</b>			<b>LED Lamps, G24 Base</b> (26 01 50 51-0113)		
26 01 50 51-0346	EA		5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R) .....	28.33	
<b>26 01 50 51-0347</b>			<b>LED Tubes (Fluorescent Lamp Replacement)</b> (26 01 50 51-0113)		
26 01 50 51-0348	EA		2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K) .....	38.88	
			For Multiple Lamps In Fixture, Deduct	-2.55	
26 01 50 51-0349	EA		2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K) .....	51.13	
			For Multiple Lamps In Fixture, Deduct	-2.55	
26 01 50 51-0350	EA		3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K) .....	41.92	
			For Multiple Lamps In Fixture, Deduct	-2.71	
26 01 50 51-0351	EA		4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K) .....	45.97	
			For Multiple Lamps In Fixture, Deduct	-2.87	
26 01 50 51-0352	EA		4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K) .....	50.57	
			For Multiple Lamps In Fixture, Deduct	-2.87	
26 01 50 51-0353	EA		4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN) .....	31.02	
			For Multiple Lamps In Fixture, Deduct	-2.87	
26 01 50 51-0354	EA		2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN) .....	30.05	
			For Multiple Lamps In Fixture, Deduct	-2.55	
26 01 50 51-0355	EA		2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF) .....	27.20	
			For Multiple Lamps In Fixture, Deduct	-2.55	
26 01 50 51-0356	EA		3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF) .....	27.60	
			For Multiple Lamps In Fixture, Deduct	-2.71	
26 01 50 51-0357	EA		4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF) .....	27.49	
			For Multiple Lamps In Fixture, Deduct	-2.87	
26 01 50 51-0358	EA		4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF) .....	28.57	
			For Multiple Lamps In Fixture, Deduct	-2.87	
26 01 50 51-0359	EA		4' LED Lamp Replacement For T8 Fluorescents (Philips 14T8 PRO LED/48-3500) .....	18.03	
			For Multiple Lamps In Fixture, Deduct	-2.87	
			For >25 To 50, Deduct	-0.90	
			For >50 To 100, Deduct	-1.57	
			For >100, Deduct	-2.67	
<b>26 01 50 51-0360</b>			<b>Filament LED Lamps</b> (26 01 50 51-0113)		
26 01 50 51-0361	EA		7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827) .....	18.75	
26 01 50 51-0362	EA		4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R) .....	18.75	
26 01 50 51-0363	EA		4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827) .....	17.83	
26 01 50 51-0364	EA		4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A) .....	17.83	
26 01 50 51-0365	EA		4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827) .....	19.31	
26 01 50 51-0366	EA		4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A) .....	19.31	
26 01 50 51-0367	EA		3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827) .....	15.98	
26 01 50 51-0368	EA		3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26) .....	15.98	
26 01 50 51-0369	EA		3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A) .....	16.53	
26 01 50 51-0370	EA		3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A) .....	20.61	
26 01 50 51-0371	EA		4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521) .....	20.80	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	<b>26 01 50 51-0372</b>	<b>Other Lamps</b> <small>(26 01 50 51-0113)</small>		
	26 01 50 51-0373	EA 8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1).....	17.68	
	26 01 50 51-0374	EA 8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM).....	17.68	
	26 01 50 51-0375	EA 11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM).....	17.68	
	26 01 50 51-0376	EA 12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1).....	18.61	
	26 01 50 51-0377	EA 13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1).....	18.61	
	26 01 50 51-0378	EA 8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1).....	18.61	
	<b>26 01 50 51-0379</b>	<b>LED Lamps, Light Engines, Round, LER Series</b> <small>(26 01 50 51-0113)</small>		
	26 01 50 51-0380	EA 5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730).....	49.83	
	26 01 50 51-0381	EA 9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U).....	27.11	
	<b>26 01 50 51-0382</b>	<b>Recycle Hazardous Lamps</b> <small>(26 01 50 51)</small>		
		Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.		
	26 01 50 51-0383	EA Recycle 2' Length Linear Fluorescent Lamps.....	0.45	
	26 01 50 51-0384	EA Recycle 3' Length Linear Fluorescent Lamps.....	0.68	
	26 01 50 51-0385	EA Recycle 4' Length Linear Fluorescent Lamps.....	0.90	
	26 01 50 51-0386	EA Recycle 6' Length Linear Fluorescent Lamps.....	1.36	
	26 01 50 51-0387	EA Recycle 8' Length Linear Fluorescent Lamps.....	1.81	
	26 01 50 51-0388	EA Recycle Compact Fluorescent Lamps.....	0.81	
	26 01 50 51-0389	EA Recycle U-Shaped Or Circular Fluorescent Lamps.....	0.81	
	26 01 50 51-0390	EA Recycle High Intensity Discharge (HID) Lamps.....	2.82	
	<b>26 01 50 52</b>	<b>Ballasts Replacement</b> <small>(26 01 50)</small>		
	<b>26 01 50 52-0001</b>	<b>Lighting Ballasts</b> <small>(26 01 50 52)</small>		
		Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.		
	<b>26 01 50 52-0002</b>	<b>Fluorescent Ballasts</b> <small>(26 01 50 52-0001)</small>		
	<b>26 01 50 52-0003</b>	<b>T5 Fluorescent Ballasts</b> <small>(26 01 50 52-0002)</small>		
	<b>26 01 50 52-0004</b>	<b>T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0003)</small>		
		Note: Includes 120/277 Volt and normal ballast factor.		
	<b>26 01 50 52-0005</b>	<b>14 Watt, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0004)</small>		
	26 01 50 52-0006	EA 1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	114.49	19.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
		For High Ballast Factor, Add	6.68	
	26 01 50 52-0007	EA 2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	119.31	24.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.24	
		For High Ballast Factor, Add	6.68	
	<b>26 01 50 52-0008</b>	<b>21 Watt, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0004)</small>		
	26 01 50 52-0009	EA 1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	114.49	19.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
		For High Ballast Factor, Add	6.68	
	26 01 50 52-0010	EA 2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	119.31	24.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.24	
		For High Ballast Factor, Add	6.68	
	<b>26 01 50 52-0011</b>	<b>28 Watt, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0004)</small>		
	26 01 50 52-0012	EA 1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	114.49	19.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
		For High Ballast Factor, Add	6.68	
	26 01 50 52-0013	EA 2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	119.31	24.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.24	
		For High Ballast Factor, Add	6.68	
	<b>26 01 50 52-0014</b>	<b>35 Watt, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0004)</small>		
	26 01 50 52-0015	EA 1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	114.49	19.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
	26 01 50 52-0016	EA 2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	119.31	24.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.24	
	<b>26 01 50 52-0017</b>	<b>54 Watt, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0004)</small>		
	26 01 50 52-0018	EA 1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	114.36	19.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
	26 01 50 52-0019	EA 2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	119.18	24.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.24	
	26 01 50 52-0020	EA 3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	163.98	28.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.69	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0021 EA 4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.81 10.14	33.79
<b>26 01 50 52-0022 High-Output, T5HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0003) Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0023 12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0022)		
26 01 50 52-0024 EA 1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.51 5.79	19.31
26 01 50 52-0025 EA 2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.33 7.24	24.13
<b>26 01 50 52-0026 24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0022)		
26 01 50 52-0027 EA 1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.86 5.79	19.31
26 01 50 52-0028 EA 2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.68 7.24	24.13
<b>26 01 50 52-0029 39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0022)		
26 01 50 52-0030 EA 1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.86 5.79	19.31
26 01 50 52-0031 EA 2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.68 7.24	24.13
<b>26 01 50 52-0032 54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0022)		
26 01 50 52-0033 EA 1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.51 5.79	19.31
26 01 50 52-0034 EA 2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.33 7.24	24.13
<b>26 01 50 52-0035 Dimming, T5 Fluorescent Electronic Ballasts</b> (26 01 50 52-0003)		
<b>26 01 50 52-0036 Step Dimming, T5 Fluorescent Electronic Ballasts</b> (26 01 50 52-0035) Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0037 28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast</b> (26 01 50 52-0036)		
26 01 50 52-0038 EA 2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.28 7.24	24.13
<b>26 01 50 52-0039 Dimming To 5%, T5 Fluorescent Electronic Ballasts</b> (26 01 50 52-0035) Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0040 54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0039)		
26 01 50 52-0041 EA 1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	413.34 5.79	19.31
26 01 50 52-0042 EA 2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	406.69 7.24	24.13
<b>26 01 50 52-0043 T8 Fluorescent Ballasts</b> (26 01 50 52-0002)		
<b>26 01 50 52-0044 T8 Fluorescent Electronic Ballasts</b> (26 01 50 52-0043) Note: Includes 120/277 Volt and low or normal ballast factor.		
<b>26 01 50 52-0045 17 Watt, T8 Fluorescent Electronic Ballasts</b> (26 01 50 52-0044)		
26 01 50 52-0046 EA 1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	48.37 5.79 16.26	19.31
26 01 50 52-0047 EA 1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	87.49 5.79 10.69	19.31
26 01 50 52-0048 EA 2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	53.19 7.24 16.26	24.13
26 01 50 52-0049 EA 2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	92.31 7.24 10.69	24.13
26 01 50 52-0050 EA 3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	64.89 8.69 15.83	28.96
26 01 50 52-0051 EA 3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	103.16 8.69 9.09	28.96
26 01 50 52-0052 EA 4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	74.19 10.14 40.08	33.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0053 EA 4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	112.66	33.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
<i>For High Ballast Factor, Add</i>	23.40	
<b>26 01 50 52-0054 25 Watt, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0044)</small>		
26 01 50 52-0055 EA 1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	48.37	19.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
<i>For High Ballast Factor, Add</i>	16.26	
26 01 50 52-0056 EA 1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	87.49	19.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
<i>For High Ballast Factor, Add</i>	10.69	
26 01 50 52-0057 EA 2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	53.19	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
<i>For High Ballast Factor, Add</i>	16.26	
26 01 50 52-0058 EA 2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	92.31	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
<i>For High Ballast Factor, Add</i>	10.69	
26 01 50 52-0059 EA 3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	64.89	28.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.69	
<i>For High Ballast Factor, Add</i>	15.83	
26 01 50 52-0060 EA 3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	103.16	28.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.69	
<i>For High Ballast Factor, Add</i>	9.09	
26 01 50 52-0061 EA 4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	74.19	33.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
<i>For High Ballast Factor, Add</i>	40.08	
26 01 50 52-0062 EA 4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	112.66	33.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
<i>For High Ballast Factor, Add</i>	23.40	
<b>26 01 50 52-0063 28 Watt, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0044)</small>		
26 01 50 52-0064 EA 1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	48.37	19.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
<i>For High Ballast Factor, Add</i>	16.26	
26 01 50 52-0065 EA 1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	87.49	19.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
<i>For High Ballast Factor, Add</i>	10.69	
26 01 50 52-0066 EA 2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	53.19	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
<i>For High Ballast Factor, Add</i>	16.26	
26 01 50 52-0067 EA 2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	92.31	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
<i>For High Ballast Factor, Add</i>	10.69	
26 01 50 52-0068 EA 3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	64.89	28.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.69	
<i>For High Ballast Factor, Add</i>	15.83	
26 01 50 52-0069 EA 3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	103.16	28.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.69	
<i>For High Ballast Factor, Add</i>	9.09	
26 01 50 52-0070 EA 4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	74.19	33.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
<i>For High Ballast Factor, Add</i>	40.08	
26 01 50 52-0071 EA 4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	112.66	33.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
<i>For High Ballast Factor, Add</i>	23.40	
<b>26 01 50 52-0072 32 Watt, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0044)</small>		
26 01 50 52-0073 EA 1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	48.37	19.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
<i>For High Ballast Factor, Add</i>	16.26	
26 01 50 52-0074 EA 1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	87.49	19.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
<i>For High Ballast Factor, Add</i>	10.69	
26 01 50 52-0075 EA 2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	53.19	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
<i>For High Ballast Factor, Add</i>	16.26	
26 01 50 52-0076 EA 2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	92.31	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
<i>For High Ballast Factor, Add</i>	10.69	
26 01 50 52-0077 EA 3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	64.89	28.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.69	
<i>For High Ballast Factor, Add</i>	15.83	
26 01 50 52-0078 EA 3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	103.16	28.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.69	
<i>For High Ballast Factor, Add</i>	9.09	
26 01 50 52-0079 EA 4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	74.19	33.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
<i>For High Ballast Factor, Add</i>	40.08	
26 01 50 52-0080 EA 4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	112.66	33.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
<i>For High Ballast Factor, Add</i>	23.40	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0081			<b>40 Watt, T8 Fluorescent Electronic Ballasts</b> (26 01 50 52-0044)		
26 01 50 52-0082	EA		1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	79.20	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
			<i>For High Ballast Factor, Add</i>	6.95	
26 01 50 52-0083	EA		1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	87.49	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
			<i>For High Ballast Factor, Add</i>	10.69	
26 01 50 52-0084	EA		2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	84.02	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
			<i>For High Ballast Factor, Add</i>	6.95	
26 01 50 52-0085	EA		2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	92.31	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
			<i>For High Ballast Factor, Add</i>	10.69	
26 01 50 52-0086	EA		3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	105.16	28.96
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.69	
			<i>For High Ballast Factor, Add</i>	4.28	
26 01 50 52-0087	EA		3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	103.16	28.96
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.69	
26 01 50 52-0088	EA		4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	109.99	33.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
			<i>For High Ballast Factor, Add</i>	4.28	
26 01 50 52-0089	EA		4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	112.66	33.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0090			<b>96 Watt, T8 Fluorescent Electronic Ballasts</b> (26 01 50 52-0044)		
26 01 50 52-0091	EA		1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	95.51	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
			<i>For High Ballast Factor, Add</i>	14.89	
26 01 50 52-0092	EA		2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	100.33	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
			<i>For High Ballast Factor, Add</i>	14.89	
26 01 50 52-0093			<b>High-Output, T8HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0043)		
			Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0094			<b>48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0093)		
26 01 50 52-0095	EA		1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	116.50	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0096	EA		1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	152.76	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0097	EA		2 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	121.32	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0098	EA		2 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	157.58	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0099			<b>60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0093)		
26 01 50 52-0100	EA		1 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	116.50	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0101	EA		1 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	152.76	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0102	EA		2 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	121.32	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0103	EA		2 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	157.58	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0104			<b>72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0093)		
26 01 50 52-0105	EA		1 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	116.50	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0106	EA		1 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	152.76	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0107	EA		2 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	121.32	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0108	EA		2 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	157.58	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0109			<b>96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0093)		
26 01 50 52-0110	EA		1 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	116.50	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0111	EA		1 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	152.76	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0112	EA		2 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	121.32	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0113	EA		2 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	157.58	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	









MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0189 EA 1 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 144.31	144.31	19.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0190 EA 2 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 149.13	149.13	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0191 EA 3 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 178.15	178.15	28.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.69	
26 01 50 52-0192 EA 4 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 182.98	182.98	33.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
<b>26 01 50 52-0193 25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)</b>		
26 01 50 52-0194 EA 1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 144.31	144.31	19.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0195 EA 2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 149.13	149.13	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0196 EA 3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 178.15	178.15	28.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.69	
26 01 50 52-0197 EA 4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 182.98	182.98	33.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
<b>26 01 50 52-0198 28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)</b>		
26 01 50 52-0199 EA 1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 144.31	144.31	19.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0200 EA 2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 149.13	149.13	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0201 EA 3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 178.15	178.15	28.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.69	
26 01 50 52-0202 EA 4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 182.98	182.98	33.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
<b>26 01 50 52-0203 32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)</b>		
26 01 50 52-0204 EA 1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 144.31	144.31	19.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0205 EA 2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 149.13	149.13	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0206 EA 3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 178.15	178.15	28.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.69	
26 01 50 52-0207 EA 4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 182.98	182.98	33.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
<b>26 01 50 52-0208 T10 Fluorescent Ballasts (26 01 50 52-0002)</b>		
<b>26 01 50 52-0209 T10 Fluorescent Electronic Ballasts (26 01 50 52-0208)</b>		
Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0210 40 Watt, T10 Fluorescent Electronic Ballasts (26 01 50 52-0209)</b>		
26 01 50 52-0211 EA 1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast ..... 69.84	69.84	19.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0212 EA 2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast ..... 74.66	74.66	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0213 EA 3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast ..... 91.66	91.66	28.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.69	
<b>26 01 50 52-0214 T12 Fluorescent Ballasts (26 01 50 52-0002)</b>		
<b>26 01 50 52-0215 T12 Fluorescent Electronic Ballasts (26 01 50 52-0214)</b>		
Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0216 25 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)</b>		
26 01 50 52-0217 EA 1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast ..... 48.37	48.37	19.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0218 EA 1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast ..... 69.84	69.84	19.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0219 EA 2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast ..... 53.19	53.19	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0220 EA 2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast ..... 74.66	74.66	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0221 EA 3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast ..... 64.89	64.89	28.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.69	
26 01 50 52-0222 EA 4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast ..... 74.19	74.19	33.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
<b>26 01 50 52-0223 30 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)</b>		
26 01 50 52-0224 EA 1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast ..... 69.84	69.84	19.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0225 EA 2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast ..... 74.66	74.66	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0226 EA 3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast ..... 91.66	91.66	28.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.69	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0227			<b>34 Watt, T12 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0215)</small>		
26 01 50 52-0228	EA		1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	69.84	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0229	EA		2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	74.66	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0230	EA		3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	91.66	28.96
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.69	
26 01 50 52-0231			<b>40 Watt, T12 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0215)</small>		
26 01 50 52-0232	EA		1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	69.84	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0233	EA		2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	74.66	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0234	EA		3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	91.66	28.96
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.69	
26 01 50 52-0235			<b>96 Watt, T12 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0215)</small>		
26 01 50 52-0236	EA		1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	88.43	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0237	EA		2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	100.33	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0238			<b>High-Output, T12HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0214)</small>		
			Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0239			<b>48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0238)</small>		
26 01 50 52-0240	EA		1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	116.90	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0241	EA		2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	121.72	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0242			<b>60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0238)</small>		
26 01 50 52-0243	EA		1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	116.90	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0244	EA		2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	121.72	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0245			<b>72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0238)</small>		
26 01 50 52-0246	EA		1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	116.90	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0247	EA		2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	121.72	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0248			<b>96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0238)</small>		
26 01 50 52-0249	EA		2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	116.90	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0250	EA		2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	121.72	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0251			<b>Emergency Fluorescent Ballasts</b> <small>(26 01 50 52-0002)</small>		
			Note: 120/277 Volt.		
26 01 50 52-0252	EA		350 To 450 Lumens, One Lamp, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100).....	181.45	19.31
			<i>For Factory Installation In New Fixtures, Deduct</i>	-38.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.59	
26 01 50 52-0253	EA		600 To 700 Lumens, Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60).....	304.26	24.13
			<i>For Factory Installation In New Fixtures, Deduct</i>	-40.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.17	
26 01 50 52-0254	EA		1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50).....	380.49	24.13
			<i>For Factory Installation In New Fixtures, Deduct</i>	-40.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.17	
26 01 50 52-0255	EA		600 To 700 Lumens, One Or Two Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A).....	278.78	24.13
			<i>For Factory Installation In New Fixtures, Deduct</i>	-40.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.17	
26 01 50 52-0256	EA		2,700 To 3,400 Lumens, Two Or Three Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33).....	1,344.10	28.96
			<i>For Factory Installation In New Fixtures, Deduct</i>	-42.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.74	
26 01 50 52-0257	EA		225 To 450 Lumens, One Lamp, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54).....	386.58	19.31
			<i>For Factory Installation In New Fixtures, Deduct</i>	-38.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0258 EA 325 To 1,000 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG) .....	653.90	24.13
<i>For Factory Installation In New Fixtures, Deduct</i>	-40.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.17	
26 01 50 52-0259 EA 300 To 750 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG) .....	355.38	24.13
<i>For Factory Installation In New Fixtures, Deduct</i>	-40.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.17	
26 01 50 52-0260 EA 200 To 625 Lumens, One Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413) .....	488.74	19.31
<i>For Factory Installation In New Fixtures, Deduct</i>	-38.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.59	
26 01 50 52-0261 EA 300 To 650 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463) .....	376.85	19.31
<i>For Factory Installation In New Fixtures, Deduct</i>	-38.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.59	
26 01 50 52-0262 EA 450 To 950 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426) .....	426.39	24.13
<i>For Factory Installation In New Fixtures, Deduct</i>	-40.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.17	
26 01 50 52-0263 EA 1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500) .....	462.25	24.13
<i>For Factory Installation In New Fixtures, Deduct</i>	-40.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.17	
26 01 50 52-0264 EA 600 To 700 Lumens, Two Lamp, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600) .....	387.47	24.13
<i>For Factory Installation In New Fixtures, Deduct</i>	-40.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.17	
26 01 50 52-0265 EA 600 To 700 Lumens, One Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700) .....	394.01	19.31
<i>For Factory Installation In New Fixtures, Deduct</i>	-38.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.59	
26 01 50 52-0266 EA 500 To 600 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900) .....	342.17	19.31
<i>For Factory Installation In New Fixtures, Deduct</i>	-38.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.59	
26 01 50 52-0267 EA 300 To 750 Lumens, One Or Two Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C) .....	355.38	24.13
<i>For Factory Installation In New Fixtures, Deduct</i>	-40.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.17	
26 01 50 52-0268 EA 450 Lumens, One Lamp, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400) .....	347.76	19.31
<i>For Factory Installation In New Fixtures, Deduct</i>	-38.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.59	
26 01 50 52-0269 EA 1,100 To 1,400 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST) .....	643.47	24.13
<i>For Factory Installation In New Fixtures, Deduct</i>	-40.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.17	
26 01 50 52-0270 EA 1,800 To 3,500 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST) .....	807.03	24.13
<i>For Factory Installation In New Fixtures, Deduct</i>	-40.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.17	
26 01 50 52-0271 EA 1,450 To 3,500 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT) .....	1,518.45	24.13
<i>For Factory Installation In New Fixtures, Deduct</i>	-40.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.17	
26 01 50 52-0272 EA 1,100 To 1,400 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT) .....	1,051.88	24.13
<i>For Factory Installation In New Fixtures, Deduct</i>	-40.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.17	
26 01 50 52-0273 EA 1,100 To 3,100 Lumens, One Or Two Lamp, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48) .....	530.24	24.13
<i>For Factory Installation In New Fixtures, Deduct</i>	-40.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.17	
26 01 50 52-0274 EA 1,050 To 3,200 Lumens, One Lamp, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1) .....	690.69	19.31
<i>For Factory Installation In New Fixtures, Deduct</i>	-38.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.59	
26 01 50 52-0275 EA 250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD) .....	3,906.02	24.13
<i>For Factory Installation In New Fixtures, Deduct</i>	-38.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.59	
<b>26 01 50 52-0276 LED Emergency Ballasts (26 01 50 52-0001)</b>		
26 01 50 52-0277 EA Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L) .....	130.20	19.31
<i>For Factory Installation In New Fixtures, Deduct</i>	-38.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.59	
26 01 50 52-0278 EA Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST) .....	198.13	19.31
<i>For Factory Installation In New Fixtures, Deduct</i>	-38.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.59	
26 01 50 52-0279 EA Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C) .....	238.88	19.31
<i>For Factory Installation In New Fixtures, Deduct</i>	-38.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.59	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0280	EA		Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310).....	267.96	19.31
			<i>For Factory Installation In New Fixtures, Deduct</i>	-38.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.59	
26 01 50 52-0281	EA		Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718).....	275.32	19.31
			<i>For Factory Installation In New Fixtures, Deduct</i>	-38.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.59	
26 01 50 52-0282	EA		Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV).....	360.46	19.31
			<i>For Factory Installation In New Fixtures, Deduct</i>	-38.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.59	
26 01 50 52-0283	EA		Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ).....	428.77	19.31
			<i>For Factory Installation In New Fixtures, Deduct</i>	-38.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.59	
26 01 50 52-0284			<b>Compact Fluorescent Ballasts</b> (26 01 50 52-0001)		
26 01 50 52-0285			<b>Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0284)		
			Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0286			<b>18 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0287	EA		1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	108.08	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0288	EA		2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	112.90	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0289			<b>26 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0290	EA		1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	108.08	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0291	EA		2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	112.90	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0292			<b>32 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0293	EA		1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	134.95	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0294	EA		2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	139.77	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0295			<b>40 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0296	EA		1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	104.87	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0297	EA		1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	134.95	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0298	EA		2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	199.96	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0299	EA		2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	139.77	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0300	EA		3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	236.24	28.96
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.69	
26 01 50 52-0301			<b>42 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0302	EA		1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	134.95	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0303	EA		2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	139.77	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0304			<b>55 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0305	EA		1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	134.95	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0306	EA		2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	139.77	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0307			<b>Dimming, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0284)		
26 01 50 52-0308			<b>Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0307)		
			Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0309			<b>18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0308)		
26 01 50 52-0310	EA		1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	203.66	19.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0311	EA		2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	208.48	24.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 01 50 52-0312</b> <b>26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0308)</small>		
26 01 50 52-0313     EA   1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.66 5.79	19.31
26 01 50 52-0314     EA   2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	208.48 7.24	24.13
<b>26 01 50 52-0315</b> <b>32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0308)</small>		
26 01 50 52-0316     EA   1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.66 5.79	19.31
26 01 50 52-0317     EA   2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	223.32 7.24	24.13
<b>26 01 50 52-0318</b> <b>40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0308)</small>		
26 01 50 52-0319     EA   2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	223.32 7.24	24.13
<b>26 01 50 52-0320</b> <b>42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0308)</small>		
26 01 50 52-0321     EA   1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.66 5.79	19.31
26 01 50 52-0322     EA   2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	223.32 7.24	24.13
<b>26 01 50 52-0323</b> <b>55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0308)</small>		
26 01 50 52-0324     EA   1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	327.99 5.79	19.31
26 01 50 52-0325     EA   2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	367.70 7.24	24.13
<b>26 01 50 52-0326</b> <b>High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0001)</small>		
<b>26 01 50 52-0327</b> <b>Magnetic High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0326)</small>		
<b>26 01 50 52-0328</b> <b>Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
<b>26 01 50 52-0329</b> <b>Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0328)</small>		
26 01 50 52-0330     EA   1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	165.47 10.14	24.13
26 01 50 52-0331     EA   1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.73 10.14	24.13
26 01 50 52-0332     EA   1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.73 10.14	24.13
26 01 50 52-0333     EA   1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.61 10.14	24.13
26 01 50 52-0334     EA   1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.61 10.14	24.13
26 01 50 52-0335     EA   1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	238.85 10.14	24.13
26 01 50 52-0336     EA   1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	238.85 10.14	24.13
26 01 50 52-0337     EA   1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	310.41 10.14	24.13
26 01 50 52-0338     EA   1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	346.92 10.14	24.13
<b>26 01 50 52-0339</b> <b>High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0328)</small>		
26 01 50 52-0340     EA   1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.64 10.14	24.13
26 01 50 52-0341     EA   1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.16 10.14	24.13
26 01 50 52-0342     EA   1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.05 10.14	24.13
26 01 50 52-0343     EA   1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.67 10.14	24.13
26 01 50 52-0344     EA   1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	178.58 10.14	24.13
26 01 50 52-0345     EA   1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.14 10.14	24.13
26 01 50 52-0346     EA   1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.14 10.14	24.13
26 01 50 52-0347     EA   1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	249.31 10.14	24.13

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0348 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	249.31	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0349 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	404.29	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0350 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	404.29	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
<b>26 01 50 52-0351 Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0328)</small>		
26 01 50 52-0352 EA Single Mounting Bracket For Core And Coil Type.....	15.32	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 01 50 52-0353 EA Double Mounting Bracket For Core And Coil Type.....	25.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.35	
<b>26 01 50 52-0354 F-Can High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
<b>26 01 50 52-0355 Metal Halide, F-Can High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0354)</small>		
26 01 50 52-0356 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	212.37	24.13
<i>For Pulse Start Ballast, Add</i>	17.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0357 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	224.18	24.13
<i>For Pulse Start Ballast, Add</i>	19.04	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0358 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	203.43	24.13
<i>For Pulse Start Ballast, Add</i>	16.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0359 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	237.53	24.13
<i>For Pulse Start Ballast, Add</i>	20.37	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0360 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	333.12	24.13
<i>For Pulse Start Ballast, Add</i>	29.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
<b>26 01 50 52-0361 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0354)</small>		
26 01 50 52-0362 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	257.13	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0363 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	275.55	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
<b>26 01 50 52-0364 Postline High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
<b>26 01 50 52-0365 Metal Halide, Postline High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0364)</small>		
26 01 50 52-0366 EA 1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	433.65	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
<b>26 01 50 52-0367 High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0364)</small>		
26 01 50 52-0368 EA 1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	672.69	24.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.10	
26 01 50 52-0369 EA 1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	751.19	24.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.10	
26 01 50 52-0370 EA 1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	724.03	24.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.10	
<b>26 01 50 52-0371 Indoor Enclosed High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
<b>26 01 50 52-0372 Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0371)</small>		
26 01 50 52-0373 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	535.90	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0374 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	609.40	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0375 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	807.62	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0376 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	803.35	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0377 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,128.50	26.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.72	
26 01 50 52-0378 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,128.50	26.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.72	
26 01 50 52-0379 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	774.19	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0380 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	912.34	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	





	MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0381		<b>High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0371)</small>		
26 01 50 52-0382	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,007.33	24.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0383	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	958.64	24.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0384	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,234.69	24.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0385	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,234.69	24.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0386		<b>Outdoor Weatherproof High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
26 01 50 52-0387		<b>Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0386)</small>		
26 01 50 52-0388	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	603.25	24.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0389	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	652.31	24.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0390	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	647.48	24.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0391	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	680.34	24.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0392	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	1,085.64	26.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.72	
26 01 50 52-0393	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	1,336.61	26.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.72	
26 01 50 52-0394	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	1,013.04	24.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0395	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	921.53	24.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0396		<b>High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0386)</small>		
26 01 50 52-0397	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	781.26	24.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0398	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	843.13	24.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0399	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	1,263.25	24.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0400	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	1,085.75	24.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0401		<b>Electronic High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0326)</small>		
26 01 50 52-0402		<b>Electronic Low Frequency High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0401)</small>		
26 01 50 52-0403	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	235.90	24.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0404	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	235.90	24.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0405	EA	1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	266.91	24.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0406	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	701.50	24.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0407	EA	1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	701.50	24.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0408	EA	1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	701.50	24.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0409	EA	1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	701.50	24.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0410	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	701.50	24.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 01 50 52-0411		<b>Owner Supplied Ballasts</b> <small>(26 01 50 52-0001)</small>		
26 01 50 52-0412	EA	Install Owner Supplied, 1 Lamp Fluorescent Ballast.....	19.31	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 01 50 52-0413	EA	Install Owner Supplied, 2 Lamp Fluorescent Ballast.....	24.13	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 01 50 52-0414	EA	Install Owner Supplied, 3 Lamp Fluorescent Ballast.....	28.00	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.40	
26 01 50 52-0415	EA	Install Owner Supplied, 4 Lamp Fluorescent Ballast.....	29.93	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.98	
26 01 50 52-0416	EA	Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast.....	33.79	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 01 50 52-0417 EA Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast ..... 35.73  
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 10.72

**26 01 50 53 Lens and Accessory Replacement (26 01 50)**

**26 01 50 53-0001 Lens and Accessory Replacement (26 01 50 53)**

26 01 50 53-0002 EA Removal And Replacement Of Parabolic Aluminum Louver ..... 77.23  
26 01 50 53-0003 EA Removal And Replacement Of Visor For Fixtures ..... 161.35  
26 01 50 53-0004 EA Removal And Replacement Of Globe On Pole ..... 190.11  
26 01 50 53-0005 EA Removal And Replacement Of Lenses For Flat Top Pole Fixtures ..... 76.28  
26 01 50 53-0006 EA Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser ..... 25.61  
26 01 50 53-0007 EA Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser ..... 26.64  
26 01 50 53-0008 EA Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser ..... 31.08  
26 01 50 53-0009 EA Removal And Replacement Of Slide-On Lampholder ..... 11.23  
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 2.89  
26 01 50 53-0010 EA Removal And Replacement Of Screw Mount Lampholder ..... 11.39  
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 2.89  
26 01 50 53-0011 EA Removal And Replacement Of Medium Bi-Pin Lampholder ..... 12.75  
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 2.89  
26 01 50 53-0012 EA Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type ..... 14.83  
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 2.89  
26 01 50 53-0013 EA Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type ..... 16.19  
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 2.89  
26 01 50 53-0014 EA Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in ..... 12.54  
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 2.89  
26 01 50 53-0015 EA Removal And Replacement Of Exterior Light Globes ..... 51.58

**26 01 50 81 Luminaire Replacement (26 01 50)**

**26 01 50 81-0001 Retrofit Lighting Fixtures (26 01 50 81)**

**26 01 50 81-0002 LED Lighting Retrofits For Existing Fixtures (26 01 50 81-0001)**

**26 01 50 81-0003 LED Lighting Retrofits For Existing Downlight Fixtures (GreenCreative) (26 01 50 81-0002)**

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0382 for disposal of hazardous lamps.

26 01 50 81-0004 EA 7" Round Downlight, 15 Watt, 2700K CCT, LED Retrofit (GreenCreative 15SMRP7DIM/927) ..... 99.84  
26 01 50 81-0005 EA 7" Round Downlight, 15 Watt, 3000K CCT, LED Retrofit (GreenCreative 15SMRP7DIM/930) ..... 99.84  
26 01 50 81-0006 EA 7" Round Downlight, 15 Watt, 4000K CCT, LED Retrofit (GreenCreative 15SMRP7DIM/940) ..... 99.84  
26 01 50 81-0007 EA 4" Diameter, 8.5 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/827) ..... 79.93  
26 01 50 81-0008 EA 4" Diameter, 8.5 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/830) ..... 79.93  
26 01 50 81-0009 EA 4" Diameter, 8.5 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/840) ..... 79.93  
26 01 50 81-0010 EA 6" Diameter, 11.6 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/827) ..... 88.32  
26 01 50 81-0011 EA 6" Diameter, 11.6 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/830) ..... 88.32  
26 01 50 81-0012 EA 6" Diameter, 11.6 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/840) ..... 88.32

**26 01 50 81-0013 LED Lighting Retrofits For Existing Site Fixtures (Daylight Technology) (26 01 50 81-0002)**

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0382 for disposal of hazardous lamps.

26 01 50 81-0014 EA 2,300 Lumens, 23 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-20w) ..... 306.74  
26 01 50 81-0015 EA 3,300 Lumens, 33 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-30w) ..... 319.32  
26 01 50 81-0016 EA 4,400 Lumens, 44 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-40w) ..... 331.89  
26 01 50 81-0017 EA 5,400 Lumens, 54 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-50w) ..... 346.39  
26 01 50 81-0018 EA 6,500 Lumens, 65 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-60w) ..... 383.06  
26 01 50 81-0019 EA 7,600 Lumens, 75 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-70w) ..... 397.57  
26 01 50 81-0020 EA 8,600 Lumens, 86 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-80w) ..... 432.15  
26 01 50 81-0021 EA 9,600 Lumens, 96 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-90w) ..... 444.72  
26 01 50 81-0022 EA 10,700 Lumens, 107 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-100w) ..... 459.22  
26 01 50 81-0023 EA 11,700 Lumens, 117 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-110w) ..... 482.27  
26 01 50 81-0024 EA 12,800 Lumens, 128 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-120w) ..... 506.21  
26 01 50 81-0025 EA 13,800 Lumens, 138 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-130w) ..... 530.31  
26 01 50 81-0026 EA 14,900 Lumens, 149 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-140w) ..... 542.89  
26 01 50 81-0027 EA 16,100 Lumens, 161 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-150w) ..... 563.84  
26 01 50 81-0028 EA 17,200 Lumens, 172 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-160w) ..... 587.68  
26 01 50 81-0029 EA 18,200 Lumens, 182 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-170w) ..... 613.88  
26 01 50 81-0030 EA 19,300 Lumens, 193 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-180w) ..... 653.70  
26 01 50 81-0031 EA 20,300 Lumens, 203 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-190w) ..... 671.51  
26 01 50 81-0032 EA 21,400 Lumens, 214 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-200w) ..... 701.74  
26 01 50 81-0033 EA 22,400 Lumens, 224 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-210w) ..... 742.61  
26 01 50 81-0034 EA 23,500 Lumens, 235 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-220w) ..... 763.56  
26 01 50 81-0035 EA 24,500 Lumens, 245 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-230w) ..... 812.55  
26 01 50 81-0036 EA 25,600 Lumens, 256 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-240w) ..... 858.66  
26 01 50 81-0037 EA 26,600 Lumens, 266 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-250w) ..... 889.92  
26 01 50 81-0038 EA 27,700 Lumens, 277 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-260w) ..... 934.98  
26 01 50 81-0039 EA 28,700 Lumens, 287 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-270w) ..... 1,021.79  
26 01 50 81-0040 EA 29,800 Lumens, 298 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-280w) ..... 1,032.27



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 01 50 81-0041	EA		31,900 Lumens, 319 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-300w) .....	1,058.21	
	<b>26 01 50 81-0042 LED Lighting Retrofits For Existing Fixtures (Optilumen) <small>(26 01 50 81-0002)</small></b>					
	Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0382 for disposal of hazardous lamps.					
	26 01 50 81-0043	EA		20 Watt, 1 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT1418M-35).....	125.66	
				Note: Fits 1' x 4' Troffer/Strip		
	26 01 50 81-0044	EA		20 Watt, 1 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT1418M-40).....	125.66	
				Note: Fits 1' x 4' Troffer/Strip		
	26 01 50 81-0045	EA		20 Watt, 1 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT1418M-50).....	125.66	
				Note: Fits 1' x 4' Troffer/Strip		
	26 01 50 81-0046	EA		30 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2415M-35).....	130.90	
				Note: Fits 2' x 4' Troffer/Strip		
	26 01 50 81-0047	EA		2 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2415M-40) .....	130.90	
				Note: Fits 2' x 4' Troffer/Strip		
	26 01 50 81-0048	EA		2 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2415M-50) .....	130.90	
				Note: Fits 2' x 4' Troffer/Strip		
	26 01 50 81-0049	EA		2 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2418M-35) .....	141.38	
				Note: Fits 2' x 4' Troffer/Strip		
	26 01 50 81-0050	EA		2 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2418M-40) .....	141.38	
				Note: Fits 2' x 4' Troffer/Strip		
	26 01 50 81-0051	EA		2 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2418M-50) .....	141.38	
				Note: Fits 2' x 4' Troffer/Strip		
	26 01 50 81-0052	EA		3 x 42", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3415M-35) .....	130.90	
				Note: Fits 2' x 4' Troffer/Strip		
	26 01 50 81-0053	EA		3 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3415M-40) .....	130.90	
				Note: Fits 2' x 4' Troffer/Strip		
	26 01 50 81-0054	EA		3 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3415M-50) .....	130.90	
				Note: Fits 2' x 4' Troffer/Strip		
	26 01 50 81-0055	EA		3 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3418M-35) .....	141.38	
				Note: Fits 2' x 4' Troffer/Strip		
	26 01 50 81-0056	EA		3 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3418M-40) .....	141.38	
				Note: Fits 2' x 4' Troffer/Strip		
	26 01 50 81-0057	EA		3 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3418M-50) .....	141.38	
				Note: Fits 2' x 4' Troffer/Strip		
	26 01 50 81-0058	EA		3 x 42", 60 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3424M-35) .....	162.34	
				Note: Fits 2' x 4' Troffer/Strip		
	26 01 50 81-0059	EA		3 x 42", 60 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3424M-40) .....	162.34	
				Note: Fits 2' x 4' Troffer/Strip		
	26 01 50 81-0060	EA		3 x 42", 60 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3424M-50) .....	162.34	
				Note: Fits 2' x 4' Troffer/Strip		
	26 01 50 81-0061	EA		1 x 21", 10 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT1209M-35) .....	125.66	
				Note: Fits 1' x 2' Troffer/Strip		
	26 01 50 81-0062	EA		1 x 21", 10 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT1209M-40) .....	125.66	
				Note: Fits 1' x 2' Troffer/Strip		
	26 01 50 81-0063	EA		1 x 21", 10 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT1209M-50) .....	125.66	
				Note: Fits 1' x 2' Troffer/Strip		
	26 01 50 81-0064	EA		2 x 21", 22 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2209M-35) .....	125.66	
				Note: Fits 2' x 2' Troffer/Strip		
	26 01 50 81-0065	EA		2 x 21", 22 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2209M-40) .....	125.66	
				Note: Fits 2' x 2' Troffer/Strip		
	26 01 50 81-0066	EA		2 x 21", 22 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2209M-50) .....	125.66	
				Note: Fits 2' x 2' Troffer/Strip		
	26 01 50 81-0067	EA		3 x 21", 20 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3209M-35) .....	130.90	
				Note: Fits 2' x 2' Troffer/Strip		
	26 01 50 81-0068	EA		3 x 21", 20 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3209M-40) .....	130.90	
				Note: Fits 2' x 2' Troffer/Strip		
	26 01 50 81-0069	EA		3 x 21", 20 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3209M-50) .....	130.90	
				Note: Fits 2' x 2' Troffer/Strip		
	26 01 50 81-0070	EA		3 x 21", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3210M-35) .....	137.19	
				Note: Fits 2' x 2' Troffer/Strip		
	26 01 50 81-0071	EA		3 x 21", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3210M-40) .....	137.19	
				Note: Fits 2' x 2' Troffer/Strip		
	26 01 50 81-0072	EA		3 x 21", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3210M-50) .....	137.19	
				Note: Fits 2' x 2' Troffer/Strip		
	<b>26 01 50 81-0073 LED Lighting Retrofits For Existing Lay-In/Troffer Fixtures (LG) <small>(26 01 50 81-0002)</small></b>					
	Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0382 for disposal of hazardous lamps.					
	26 01 50 81-0074	EA		34 Watt, 3500K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-35-4400-R(W)-SN).....	300.58	
	26 01 50 81-0075	EA		34 Watt, 4000K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-40-4500-R(W)-SN).....	300.58	
	26 01 50 81-0076	EA		26 Watt, 3500K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-35-3400-R(W)-SN).....	270.20	
	26 01 50 81-0077	EA		26 Watt, 4000K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-40-3400-R(W)-SN).....	270.20	
	26 01 50 81-0078	EA		25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-35-3200-RV) .....	129.24	
				Note: No sensor, ZigBee ready driver		
	26 01 50 81-0079	EA		25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-40-3200-RV) .....	129.24	
				Note: No sensor, ZigBee ready driver		
	26 01 50 81-0080	EA		31 Watt, 4,050 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-35-3200-RV) .....	149.15	
				Note: No sensor, ZigBee ready driver		

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0081	EA		31 Watt, 4,050 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-40-3200-RV) .....149.15 Note: No sensor, ZigBee ready driver	149.15	
26 01 50 81-0082	EA		25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-RV) .....163.82 Note: Factory installed sensor and ZigBee dongle	163.82	
26 01 50 81-0083	EA		25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-RV) .....163.82 Note: Factory installed sensor and ZigBee dongle	163.82	
26 01 50 81-0084	EA		31 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-35-3200-RV) .....169.06 Note: Factory installed sensor and ZigBee dongle	169.06	
26 01 50 81-0085	EA		31 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-40-3200-RV) .....169.06 Note: Factory installed sensor and ZigBee dongle	169.06	
26 01 50 81-0086	EA		2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-2BDK-25-35-3120) .....98.85 Note: No sensor, ZigBee ready driver	98.85	
26 01 50 81-0087	EA		2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-2BDK-25-40-3120) .....98.85 Note: No sensor, ZigBee ready driver	98.85	
26 01 50 81-0088	EA		2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-4BDK-31-35-3880) .....111.42 Note: No sensor, ZigBee ready driver	111.42	
26 01 50 81-0089	EA		2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-4BDK-31-40-3880) .....111.42 Note: No sensor, ZigBee ready driver	111.42	
26 01 50 81-0090	EA		2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-35-3120-L) .....101.99 Note: No sensor, ZigBee ready driver	101.99	
26 01 50 81-0091	EA		2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-40-3120-L) .....101.99 Note: No sensor, ZigBee ready driver	101.99	
26 01 50 81-0092	EA		2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-35-3880-L) .....114.57 Note: No sensor, ZigBee ready driver	114.57	
26 01 50 81-0093	EA		2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-40-3880-L) .....114.57 Note: No sensor, ZigBee ready driver	114.57	
26 01 50 81-0094	EA		6" Diameter, 16 Watt, 1,450 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-35-1450) .....100.94 Note: No sensor, ZigBee ready driver	100.94	
26 01 50 81-0095	EA		6" Diameter, 16 Watt, 1,450 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-40-1450) .....100.94 Note: No sensor, ZigBee ready driver	100.94	
26 01 50 81-0096	EA		8" Diameter, 22 Watt, 2,000 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-35-2000) .....110.38 Note: No sensor, ZigBee ready driver	110.38	
26 01 50 81-0097	EA		8" Diameter, 22 Watt, 2,000 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-40-2000) .....110.38 Note: No sensor, ZigBee ready driver	110.38	
<b>26 01 50 81-0098</b>			<b>LED Lighting Retrofit Accessories (LG)</b> <small>(26 01 50 81-0002)</small> See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0382 for disposal of hazardous lamps.		
26 01 50 81-0099	EA		Dongle (LG LGE-DONGLE) .....23.15	23.15	
26 01 50 81-0100	EA		1-group On/Off/Dim, 2-Button, Wireless Switch (LG LGE-SWITCH-BAT-2B) .....127.02	127.02	10.97
26 01 50 81-0101	EA		2-group On/Off/Dim, 4-Button, Wireless Switch (LG LGE-SWITCH-BAT-4B) .....131.40	131.40	13.16
26 01 50 81-0102	EA		1-group On/Off/Dim, 2-Button, AC Powered Switch (LG LGE-SWITCH-AC-2B) .....164.55	164.55	10.97
26 01 50 81-0103	EA		2-group On/Off/Dim, 4-Button, AC Powered Switch (LG LGE-SWITCH-AC-4B) .....168.93	168.93	13.16
26 01 50 81-0104	EA		Photo, Motion Sensor With ZigBee Dongle plugin (LG LGE-MULTI-SENSOR) .....83.23	83.23	8.77
26 01 50 81-0105	EA		Tube Clip For Multi Sensor (LG LGE-TUBE-CLIP) .....25.28	25.28	8.77
26 01 50 81-0106	EA		Ceiling Plate For Multi Sensor (LG LGE-CEILING-PLATE) .....27.48	27.48	8.77
26 01 50 81-0107	EA		Wireless Interface Module (LG PIHN-W005A) .....76.04 Note: includes dongle	76.04	13.16
<b>26 01 50 81-0108</b>			<b>Retrofit Existing (T12) Fluorescent Fixtures</b> <small>(26 01 50 81-0001)</small> Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal, 26 01 50 51-0382 for hazardous lamp recycling.		
<b>26 01 50 81-0109</b>			<b>Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector</b> <small>(26 01 50 81-0108)</small> Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0110	EA		Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp .....94.61 <i>For Specular Ballast Cover, Add</i> .....12.19	94.61	
26 01 50 81-0111	EA		Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps .....100.67 <i>For Specular Ballast Cover, Add</i> .....13.40	100.67	
26 01 50 81-0112	EA		Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps .....140.55 <i>For Specular Ballast Cover, Add</i> .....21.37	140.55	
26 01 50 81-0113	EA		Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps .....161.67 <i>For Specular Ballast Cover, Add</i> .....25.60	161.67	
<b>26 01 50 81-0114</b>			<b>Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector</b> <small>(26 01 50 81-0108)</small> Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0115	EA		Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp .....100.48 <i>For Specular Reflector, Add</i> .....17.05	100.48	
26 01 50 81-0116	EA		Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps .....107.24 <i>For Specular Reflector, Add</i> .....17.05	107.24	
26 01 50 81-0117	EA		Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps .....148.77 <i>For Specular Reflector, Add</i> .....17.05	148.77	
26 01 50 81-0118	EA		Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps .....190.54 <i>For Specular Reflector, Add</i> .....17.05	190.54	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0119				<b>Retrofit Existing (T12) Troffer Style Fluorescent Fixtures</b> <small>(26 01 50 81-0108)</small> Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0120	EA			Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps ..... 125.35 <i>For Specular Reflector, Add</i> ..... 17.05		
26 01 50 81-0121	EA			Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps ..... 131.42 <i>For Specular Reflector, Add</i> ..... 17.05		
26 01 50 81-0122	EA			Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps ..... 134.99 <i>For Specular Reflector, Add</i> ..... 17.05		
26 01 50 81-0123	EA			Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps ..... 152.06 <i>For Specular Reflector, Add</i> ..... 17.05		
26 01 50 81-0124	EA			Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps ..... 186.22 <i>For Specular Reflector, Add</i> ..... 17.05		
26 01 50 81-0125	EA			Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps ..... 138.45 <i>For Specular Reflector, Add</i> ..... 17.05		
26 01 50 81-0126	EA			Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps ..... 152.56 <i>For Specular Reflector, Add</i> ..... 17.05		
26 01 50 81-0127	EA			Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps ..... 164.26 <i>For Specular Reflector, Add</i> ..... 17.05		
26 01 50 81-0128				<b>Retrofit Existing Recessed Lay-In/Troffer Fixtures</b> <small>(26 01 50 81-0001)</small>		
26 01 50 81-0129				<b>Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia)</b> <small>(26 01 50 81-0128)</small> Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0382 for disposal of hazardous lamps.		
26 01 50 81-0130	EA			2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)..... 148.80		
26 01 50 81-0131	EA			2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)..... 148.80		
26 01 50 81-0132	EA			2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)..... 148.80		
26 01 50 81-0133	EA			2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)..... 162.32		
26 01 50 81-0134	EA			2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT) ..... 148.80		
26 01 50 81-0135	EA			2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT) ..... 148.80		
26 01 50 81-0136	EA			2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT) ..... 148.80		
26 01 50 81-0137	EA			2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)..... 162.32		
26 01 50 81-0138	EA			2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)..... 149.66		
26 01 50 81-0139	EA			2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)..... 149.66		
26 01 50 81-0140	EA			2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)..... 149.66		
26 01 50 81-0141	EA			2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)..... 163.17		
26 01 50 81-0142	EA			2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT) ..... 149.66		
26 01 50 81-0143	EA			2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT) ..... 149.66		
26 01 50 81-0144	EA			2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT) ..... 149.66		
26 01 50 81-0145	EA			2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)..... 163.17		
26 01 50 81-0146				<b>LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED)</b> <small>(26 01 50 81-0128)</small> Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0382 for disposal of hazardous lamps.		
26 01 50 81-0147	EA			2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025)..... 208.82		
26 01 50 81-0148	EA			4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045)..... 218.01		
26 01 50 81-0149				<b>LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™)</b> <small>(26 01 50 81-0128)</small> Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0382 for disposal of hazardous lamps.		
26 01 50 81-0150	EA			1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L)..... 329.33		
26 01 50 81-0151	EA			2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L)..... 337.50		

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0152 EA 2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L).....	329.33	
26 01 50 81-0153 EA 3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L).....	337.50	
26 01 50 81-0154 EA 3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L).....	378.36	
26 01 50 81-0155 EA 4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L).....	390.62	
26 01 50 81-0156 EA 5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L).....	419.22	
<b>26 01 50 81-0157 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) <small>(26 01 50 81-0128)</small></b> Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0382 for disposal of hazardous lamps.		
26 01 50 81-0158 EA 3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST).....	304.32	
26 01 50 81-0159 EA 3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST).....	315.72	
26 01 50 81-0160 EA 3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST).....	319.13	
26 01 50 81-0161 EA 3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST).....	330.53	
26 01 50 81-0162 EA 2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDX84022MST).....	227.38	
26 01 50 81-0163 EA 4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDX84022MST).....	232.80	
26 01 50 81-0164 EA 3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDX84024MST).....	241.46	
26 01 50 81-0165 EA 4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDX84024MST).....	246.87	
26 01 50 81-0166 EA 6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDX84024MST).....	307.51	
26 01 50 81-0167 EA 8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDX84024MST).....	368.14	
<b>26 01 50 81-0168 Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) <small>(26 01 50 81-0128)</small></b> Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0382 for disposal of hazardous lamps.		
26 01 50 81-0169 EA 1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	271.66	
26 01 50 81-0170 EA 1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	198.89	
26 01 50 81-0171 EA 2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	278.75	
26 01 50 81-0172 EA 2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	205.87	
26 01 50 81-0173 EA 3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	291.99	
26 01 50 81-0174 EA 3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	224.83	
26 01 50 81-0175 EA 1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	322.79	
26 01 50 81-0176 EA 1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	249.82	
26 01 50 81-0177 EA 2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	329.47	
26 01 50 81-0178 EA 2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	256.50	
26 01 50 81-0179 EA 3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	342.61	
26 01 50 81-0180 EA 3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	275.42	
<b>26 01 50 81-0181 LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) <small>(26 01 50 81-0128)</small></b> Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0382 for disposal of hazardous lamps.		
26 01 50 81-0182 EA 3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT).....	616.69	
26 01 50 81-0183 EA 4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT).....	686.37	
<b>26 01 50 81-0184 Retrofit Existing HID Fixtures <small>(26 01 50 81-0001)</small></b>		
26 01 50 81-0185 EA Tear Drop LED Retrofit Kit (Holophane LTDRL2 P35S 40K AS BK TDRD 3 P).....	1,402.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 01 50 81-0186</b> <b>Retrofit Existing Recessed Can Fixtures</b> <small>(26 01 50 81-0001)</small>		
26 01 50 81-0187    EA    8" LED Can Retrokit, 2400 Lumens, 3500K, 277 Volt, 0-10 Volt, Open Reflector, Haze Trim (Juno Lighting JCLR8L 24LM 35K 80CRI MVOLT ZT HZWH).....	234.86	26.31
<i>For &gt;25 To 50, Deduct</i>	-11.74	
<i>For &gt;50 To 100, Deduct</i>	-18.60	
<i>For &gt;100, Deduct</i>	-27.43	
26 01 50 81-0188    EA    6" Round, 1,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN6RV 35/15 LR 6 AR LD MVOLT EZ1 LH NLTAIR2).....	248.88	
<i>For &gt;25 To 50, Deduct</i>	-12.44	
<i>For &gt;50 To 100, Deduct</i>	-19.87	
<i>For &gt;100, Deduct</i>	-29.69	
26 01 50 81-0189    EA    6" Round, 1,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN6RV 35/15 LRW 6 AR LD MVOLT EZ1 LH).....	248.88	
<i>For &gt;25 To 50, Deduct</i>	-12.44	
<i>For &gt;50 To 100, Deduct</i>	-19.87	
<i>For &gt;100, Deduct</i>	-29.69	
26 01 50 81-0190    EA    6" Round, 1,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN6RV 35/15 LR6 LD MVOLT EZ1 NLTAIR2).....	217.16	
<i>For &gt;25 To 50, Deduct</i>	-10.86	
<i>For &gt;50 To 100, Deduct</i>	-17.49	
<i>For &gt;100, Deduct</i>	-26.52	
26 01 50 81-0191    EA    6" Round, 800 Lumens, 3500K CCT, Recessed Can LED Retrofit Kit (Acuity Lighting LRT6-08LM35K277G4-80CRI-ZT-F-P-PF).....	262.38	
<i>For &gt;25 To 50, Deduct</i>	-13.12	
<i>For &gt;50 To 100, Deduct</i>	-20.67	
<i>For &gt;100, Deduct</i>	-30.19	
26 01 50 81-0192    EA    8" Round, 1,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN8RV 35/15 LR 8 AR LD MVOLT EZ1 LH NLTAIR2).....	246.83	
<i>For &gt;25 To 50, Deduct</i>	-12.34	
<i>For &gt;50 To 100, Deduct</i>	-19.71	
<i>For &gt;100, Deduct</i>	-29.49	
26 01 50 81-0193    EA    8" Round, 1,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN8RV 35/15 LR 8 AR LD MVOLT EZ1 LH).....	289.49	
<i>For &gt;25 To 50, Deduct</i>	-14.47	
<i>For &gt;50 To 100, Deduct</i>	-22.91	
<i>For &gt;100, Deduct</i>	-33.75	
26 01 50 81-0194    EA    8" Round, 1,500 Lumens, 4000K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN8RV 40/15 LR 8 AR LD MVOLT EZ1 LH).....	289.49	
<i>For &gt;25 To 50, Deduct</i>	-14.47	
<i>For &gt;50 To 100, Deduct</i>	-22.91	
<i>For &gt;100, Deduct</i>	-33.75	
26 01 50 81-0195    EA    8" Round, 1,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN8RV 35/15 LRW 8 AR LD MVOLT EZ1 LH NLTAIR2).....	248.88	
<i>For &gt;25 To 50, Deduct</i>	-12.44	
<i>For &gt;50 To 100, Deduct</i>	-19.87	
<i>For &gt;100, Deduct</i>	-29.69	
26 01 50 81-0196    EA    8" Round, 2,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN8RV 35/25 LRW 8 AR LD MVOLT GZ1 LH).....	235.54	
<i>For &gt;25 To 50, Deduct</i>	-11.78	
<i>For &gt;50 To 100, Deduct</i>	-18.87	
<i>For &gt;100, Deduct</i>	-28.36	
26 01 50 81-0197    EA    8" Round, 1,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN8RV 35/15 LR8 LD MVOLT EZ1 NLTAIR2).....	248.88	
<i>For &gt;25 To 50, Deduct</i>	-12.44	
<i>For &gt;50 To 100, Deduct</i>	-19.87	
<i>For &gt;100, Deduct</i>	-29.69	
26 01 50 81-0198    EA    8" Round, 1,500 Lumens, 4000K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN8RV 40/15 LR8 LD MVOLT EZ1 NLTAIR2).....	289.49	
<i>For &gt;25 To 50, Deduct</i>	-14.47	
<i>For &gt;50 To 100, Deduct</i>	-22.91	
<i>For &gt;100, Deduct</i>	-33.75	
26 01 50 81-0199    EA    12" Round, 1,300 Lumens, 4000K CCT, Recessed Can LED Retrofit Kit (Lithonia LRT12 13LM 40K MVOLT 80CRI ZT HN CD PF).....	407.84	
<i>For &gt;25 To 50, Deduct</i>	-20.39	
<i>For &gt;50 To 100, Deduct</i>	-31.79	
<i>For &gt;100, Deduct</i>	-45.60	
<b>26 01 50 81-0200</b> <b>LED Lighting Retrofits For Existing Fluorescent Fixtures</b> <small>(26 01 50 81-0001)</small>		
<small>Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 26 01 50 51-0382 for disposal of hazardous lamps.</small>		
<b>26 01 50 81-0201</b> <b>LED Lightbar Retrofit For Existing Fluorescent Fixtures (Lithonia)</b> <small>(26 01 50 81-0200)</small>		
26 01 50 81-0202    EA    2' Length, 2 Bar, 2,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 2 2000LMHE 80CRI 35K MIN10 GZT MVOLT).....	97.69	
<i>For &gt;25 To 50, Deduct</i>	-4.88	
<i>For &gt;50 To 100, Deduct</i>	-8.41	
<i>For &gt;100, Deduct</i>	-14.10	
26 01 50 81-0203    EA    2' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 4 8000LMHE 80CRI MIN10 GZT MVOLT).....	144.30	
<i>For &gt;25 To 50, Deduct</i>	-7.22	
<i>For &gt;50 To 100, Deduct</i>	-11.91	
<i>For &gt;100, Deduct</i>	-18.76	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0204	EA	3'	Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	106.41	
			<i>For &gt;25 To 50, Deduct</i>	-5.32	
			<i>For &gt;50 To 100, Deduct</i>	-9.12	
			<i>For &gt;100, Deduct</i>	-15.21	
26 01 50 81-0205	EA	3'	Length, 1 Bar, 1,600 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 1 1600LMHE 80CRI 35K MIN10 GZT MVOLT).....	97.32	
			<i>For &gt;25 To 50, Deduct</i>	-4.87	
			<i>For &gt;50 To 100, Deduct</i>	-8.44	
			<i>For &gt;100, Deduct</i>	-14.30	
26 01 50 81-0206	EA	4'	Length, 2 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 6000LMHE 80CRI 35K MIN10 GZT MVOLT).....	128.91	
			<i>For &gt;25 To 50, Deduct</i>	-6.45	
			<i>For &gt;50 To 100, Deduct</i>	-10.87	
			<i>For &gt;100, Deduct</i>	-17.70	
26 01 50 81-0207	EA	4'	Length, 4 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 6000LMHE 80CRI 35K MIN10 GZT MVOLT).....	169.31	
			<i>For &gt;25 To 50, Deduct</i>	-8.47	
			<i>For &gt;50 To 100, Deduct</i>	-13.90	
			<i>For &gt;100, Deduct</i>	-21.74	
26 01 50 81-0208	EA	4'	Length, 1 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 3000LMHE 80CRI 35K MIN10 GZT MVOLT).....	105.34	
			<i>For &gt;25 To 50, Deduct</i>	-5.27	
			<i>For &gt;50 To 100, Deduct</i>	-9.10	
			<i>For &gt;100, Deduct</i>	-15.35	
26 01 50 81-0209	EA	4'	Length, 1 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	105.34	
			<i>For &gt;25 To 50, Deduct</i>	-5.27	
			<i>For &gt;50 To 100, Deduct</i>	-9.10	
			<i>For &gt;100, Deduct</i>	-15.35	
26 01 50 81-0210	EA	4'	Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 8000LMHE 80CRI 35K MIN10 GZT MVOLT).....	136.99	
			<i>For &gt;25 To 50, Deduct</i>	-6.85	
			<i>For &gt;50 To 100, Deduct</i>	-11.48	
			<i>For &gt;100, Deduct</i>	-18.51	
26 01 50 81-0211	EA	4'	Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	115.44	
			<i>For &gt;25 To 50, Deduct</i>	-5.77	
			<i>For &gt;50 To 100, Deduct</i>	-9.86	
			<i>For &gt;100, Deduct</i>	-16.36	
26 01 50 81-0212	EA	4'	Length, 2 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 3000LMHE 80CRI 35K MIN10 GZT MVOLT).....	115.44	
			<i>For &gt;25 To 50, Deduct</i>	-5.77	
			<i>For &gt;50 To 100, Deduct</i>	-9.86	
			<i>For &gt;100, Deduct</i>	-16.36	
<b>26 01 50 81-0213</b>			<b>LED Retrofit For Existing Fluorescent Fixtures (Lithonia) <small>(26 01 50 81-0200)</small></b>		
26 01 50 81-0214	EA	1'x 4'	4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	239.03	
			<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	161.11	
			<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	104.73	
			<i>For &gt;25 To 50, Deduct</i>	-11.95	
			<i>For &gt;50 To 100, Deduct</i>	-19.13	
			<i>For &gt;100, Deduct</i>	-28.72	
26 01 50 81-0215	EA	1'x 4'	4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2).....	258.13	
			<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	161.11	
			<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	104.73	
			<i>For &gt;25 To 50, Deduct</i>	-12.91	
			<i>For &gt;50 To 100, Deduct</i>	-20.56	
			<i>For &gt;100, Deduct</i>	-30.63	
26 01 50 81-0216	EA	2'x 2'	3,300 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R 33LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	272.42	
			<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	161.11	
			<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	104.73	
			<i>For &gt;25 To 50, Deduct</i>	-13.62	
			<i>For &gt;50 To 100, Deduct</i>	-21.63	
			<i>For &gt;100, Deduct</i>	-32.05	
26 01 50 81-0217	EA	2'x 2'	4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	294.73	
			<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	161.11	
			<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	104.73	
			<i>For &gt;25 To 50, Deduct</i>	-14.74	
			<i>For &gt;50 To 100, Deduct</i>	-23.31	
			<i>For &gt;100, Deduct</i>	-34.29	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0218 EA 2'x 4', 4,000 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 40LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO).....	315.35	
For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	161.11	
For nLight AIR radio module without sensor (nLight RIO), Add	104.73	
For >25 To 50, Deduct	-15.77	
For >50 To 100, Deduct	-25.09	
For >100, Deduct	-37.31	
26 01 50 81-0219 EA 2'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO).....	341.26	
For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	161.11	
For nLight AIR radio module without sensor (nLight RIO), Add	104.73	
For >25 To 50, Deduct	-17.06	
For >50 To 100, Deduct	-27.04	
For >100, Deduct	-39.90	
<b>26 01 50 81-0220 LED Lighting Retrofits For Existing Fluorescent Fixtures (ELED Lights) <small>(26 01 50 81-0220)</small></b>		
Note: Includes removal of existing fluorescent lamps, installing LED strip lighting and trim. Excludes recycling or disposal of lamps. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0382 for disposal of hazardous lamps.		
26 01 50 81-0221 EA 2' Dimmable, 20 Watts, 2900 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W40).....	92.77	
Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-6.64	
For >50 To 100, Deduct	-8.04	
For >100, Deduct	-13.61	
26 01 50 81-0222 EA 2' Dimmable, 20 Watts, 2900 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W50).....	92.77	
Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-6.64	
For >50 To 100, Deduct	-8.04	
For >100, Deduct	-13.61	
26 01 50 81-0223 EA 4' Dimmable, 32 Watts, 5000 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W40).....	124.08	
Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-6.20	
For >50 To 100, Deduct	-10.51	
For >100, Deduct	-17.22	
26 01 50 81-0224 EA 4' Dimmable, 32 Watts, 5000 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W50).....	124.08	
Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-6.20	
For >50 To 100, Deduct	-10.51	
For >100, Deduct	-17.22	
26 01 50 81-0225 EA 4' Dimmable, 35 Watts, 5500 Lumens, 3000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30).....	124.19	
Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-6.21	
For >50 To 100, Deduct	-10.52	
For >100, Deduct	-17.23	
26 01 50 81-0226 EA 4' Dimmable, 35 Watts, 5500 Lumens, 3000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30F).....	136.37	
Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-6.82	
For >50 To 100, Deduct	-11.43	
For >100, Deduct	-18.45	
26 01 50 81-0227 EA 4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35).....	124.19	
Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-6.21	
For >50 To 100, Deduct	-10.52	
For >100, Deduct	-17.23	
26 01 50 81-0228 EA 4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35F).....	136.37	
Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-6.82	
For >50 To 100, Deduct	-11.43	
For >100, Deduct	-18.45	
26 01 50 81-0229 EA 4' Dimmable, 35 Watts, 5500 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40).....	124.19	
Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-6.21	
For >50 To 100, Deduct	-10.52	
For >100, Deduct	-17.23	
26 01 50 81-0230 EA 4' Dimmable, 35 Watts, 5500 Lumens, 4000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40F).....	136.37	
Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-6.82	
For >50 To 100, Deduct	-11.43	
For >100, Deduct	-18.45	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0231	EA	4'	Dimmable, 35 Watts, 5500 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50).....	124.19	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-6.21	
			For >50 To 100, Deduct	-10.52	
			For >100, Deduct	-17.23	
26 01 50 81-0232	EA	4'	Dimmable, 35 Watts, 5500 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50F).....	136.37	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-6.82	
			For >50 To 100, Deduct	-11.43	
			For >100, Deduct	-18.45	
26 01 50 81-0233	EA	4'	Dimmable, 46 Watts, 6800 Lumens, 5000K, Ultra High Lumen Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD46W50).....	136.27	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-6.81	
			For >50 To 100, Deduct	-11.42	
			For >100, Deduct	-18.44	
26 01 50 81-0234	EA	4'	Dimmable, 31 Watts, 5730 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40).....	162.34	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-8.12	
			For >50 To 100, Deduct	-13.38	
			For >100, Deduct	-21.05	
26 01 50 81-0235	EA	4'	Dimmable, 31 Watts, 5730 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F).....	177.57	
			Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-8.88	
			For >50 To 100, Deduct	-14.52	
			For >100, Deduct	-22.57	
26 01 50 81-0236	EA	4'	Dimmable, 31 Watts, 5730 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50).....	162.34	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-8.12	
			For >50 To 100, Deduct	-13.38	
			For >100, Deduct	-21.05	
26 01 50 81-0237	EA	4'	Dimmable, 31 Watts, 5730 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F).....	177.57	
			Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-8.88	
			For >50 To 100, Deduct	-14.52	
			For >100, Deduct	-22.57	
26 01 50 81-0238	EA	20 Watts,	Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS BLD-AM20D-480800).....	184.76	
			Note: 90-minute emergency battery with DIP switch-selectable power output of 10 Watts, 15 Watts, or 20 Watts		
			For >25 To 50, Deduct	-9.24	
			For >50 To 100, Deduct	-14.10	
			For >100, Deduct	-19.44	
26 01 50 81-0239	EA	20 Watts,	Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS EM-HM-20W).....	169.35	
			Note: 90-minute emergency battery with power output of 20 Watts		
			For >25 To 50, Deduct	-8.47	
			For >50 To 100, Deduct	-12.94	
			For >100, Deduct	-17.90	
26 01 50 81-0240	EA	8'	Dimmable, 46 Watts, 7400 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD46W50).....	161.36	
			Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-8.07	
			For >50 To 100, Deduct	-13.67	
			For >100, Deduct	-22.39	
26 01 50 81-0241	EA	8'	Dimmable, 49 Watts, 6680 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD49W50F).....	168.97	
			Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-8.45	
			For >50 To 100, Deduct	-14.24	
			For >100, Deduct	-23.15	
26 01 50 81-0242	EA	8'	Dimmable, 64 Watts, 11850 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40).....	243.78	
			Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-12.19	
			For >50 To 100, Deduct	-19.85	
			For >100, Deduct	-30.63	
26 01 50 81-0243	EA	8'	Dimmable, 64 Watts, 11850 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F).....	274.23	
			Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-13.71	
			For >50 To 100, Deduct	-22.13	
			For >100, Deduct	-33.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0244 EA 8' Dimmable, 64 Watts, 11850 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50).....	243.78	
Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-12.19	
For >50 To 100, Deduct	-19.85	
For >100, Deduct	-30.63	
26 01 50 81-0245 EA 8' Dimmable, 64 Watts, 11850 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F) .....	274.23	
Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-13.71	
For >50 To 100, Deduct	-22.13	
For >100, Deduct	-33.68	

## 26 05 Common Work Results for Electrical <sup>(26)</sup>

### 26 05 13 Medium-Voltage Cables <sup>(26 05)</sup>

#### 26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables <sup>(26 05 13)</sup>

26 05 13 16-0001	Wire And Cable <sup>(26 05 13 16)</sup>		
	Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.		
26 05 13 16-0002	5 KV Cable <sup>(26 05 13 16-0001)</sup>		
26 05 13 16-0003	Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct <sup>(26 05 13 16-0002)</sup>		
26 05 13 16-0004	MLF #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	3,517.79	791.97
26 05 13 16-0005	MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,240.98	864.76
26 05 13 16-0006	MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,119.84	977.05
26 05 13 16-0007	MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,711.86	1,203.77
26 05 13 16-0008	MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,661.03	1,355.54
26 05 13 16-0009	MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,571.78	1,504.62
26 05 13 16-0010	MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,777.21	1,690.59
26 05 13 16-0011	MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,927.38	1,880.86
26 05 13 16-0012	MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	15,013.14	2,245.70
26 05 13 16-0013	MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	19,131.05	2,639.77
26 05 13 16-0014	MLF 750 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	29,378.55	3,111.26
26 05 13 16-0015	MLF 1,000 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	39,630.98	3,582.52

#### 26 05 13 16-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial <sup>(26 05 13 16-0002)</sup>

26 05 13 16-0017	MLF #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial .....	3,418.80	
26 05 13 16-0018	MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial .....	3,959.95	
26 05 13 16-0019	MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial .....	4,558.06	
26 05 13 16-0020	MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial .....	5,769.38	
26 05 13 16-0021	MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial .....	6,339.00	
26 05 13 16-0022	MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial .....	8,062.62	
26 05 13 16-0023	MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial .....	8,803.13	
26 05 13 16-0024	MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,667.96	
26 05 13 16-0025	MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	11,940.41	
26 05 13 16-0026	MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	15,162.19	

#### 26 05 13 16-0027 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) <sup>(26 05 13 16-0002)</sup>

26 05 13 16-0028	MLF #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) .....	2,847.11	490.89
26 05 13 16-0029	MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) .....	3,483.02	526.34
26 05 13 16-0030	MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) .....	4,452.31	665.61
26 05 13 16-0031	MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) .....	5,857.49	808.03
26 05 13 16-0032	MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) .....	6,801.88	948.55
26 05 13 16-0033	MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) .....	8,703.24	1,084.77
26 05 13 16-0034	MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) .....	9,907.40	1,258.63
26 05 13 16-0035	MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	12,448.34	1,583.45
26 05 13 16-0036	MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	14,742.16	2,003.55
26 05 13 16-0037	MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	19,245.16	2,517.28

#### 26 05 13 16-0038 5 KV Non-Shielded Single Copper Conductor <sup>(26 05 13 16-0002)</sup>

26 05 13 16-0039	MLF 1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,789.73	1,578.31
26 05 13 16-0040	MLF 2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,191.88	1,600.99
26 05 13 16-0041	MLF 3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,594.03	1,623.68
26 05 13 16-0042	MLF 4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,067.97	1,659.56
26 05 13 16-0043	MLF 350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	13,505.66	1,722.87
26 05 13 16-0044	MLF 500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	19,889.76	1,805.59
26 05 13 16-0045	MLF 750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	31,268.77	2,256.98
26 05 13 16-0046	MLF 1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	35,712.21	3,009.36



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 05 13 16-0047</b>	<b>Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct</b> <small>(26 05 13 16-0002)</small>				
26 05 13 16-0048	MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	3,794.62		791.97	
26 05 13 16-0049	MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,615.22		864.76	
26 05 13 16-0050	MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	5,601.74		977.05	
26 05 13 16-0051	MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	6,489.88		1,090.35	
26 05 13 16-0052	MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	7,378.32		1,203.77	
26 05 13 16-0053	MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	8,430.02		1,355.54	
26 05 13 16-0054	MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	10,617.60		1,504.62	
26 05 13 16-0055	MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	11,956.32		1,690.59	
26 05 13 16-0056	MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	14,407.94		1,880.86	
26 05 13 16-0057	MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	16,704.92		2,245.70	
26 05 13 16-0058	MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	21,386.75		2,639.77	
26 05 13 16-0059	MLF 750 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	33,267.13		3,111.26	
26 05 13 16-0060	MLF 1,000 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	45,152.42		3,582.52	
<b>26 05 13 16-0061</b>	<b>Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial</b> <small>(26 05 13 16-0002)</small>				
	Note: Excludes excavation.				
26 05 13 16-0062	MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,695.64			
26 05 13 16-0063	MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,334.19			
26 05 13 16-0064	MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,039.96			
26 05 13 16-0065	MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,738.32			
26 05 13 16-0066	MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,435.83			
26 05 13 16-0067	MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,107.99			
26 05 13 16-0068	MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,108.44			
26 05 13 16-0069	MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,982.24			
26 05 13 16-0070	MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,148.52			
26 05 13 16-0071	MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	13,632.18			
26 05 13 16-0072	MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	17,417.89			
<b>26 05 13 16-0073</b>	<b>Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial)</b> <small>(26 05 13 16-0002)</small>				
26 05 13 16-0074	MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,123.94		490.89	
26 05 13 16-0075	MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,857.26		526.34	
26 05 13 16-0076	MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,934.21		665.61	
26 05 13 16-0077	MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,727.75		736.29	
26 05 13 16-0078	MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,523.95		808.03	
26 05 13 16-0079	MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,570.87		948.55	
26 05 13 16-0080	MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,749.06		1,084.77	
26 05 13 16-0081	MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,086.51		1,258.63	
26 05 13 16-0082	MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,928.90		1,583.45	
26 05 13 16-0083	MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	16,433.93		2,003.55	
26 05 13 16-0084	MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	21,500.86		2,517.28	
<b>26 05 13 16-0085</b>	<b>15 KV Cable</b> <small>(26 05 13 16-0001)</small>				
<b>26 05 13 16-0086</b>	<b>Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable</b> <small>(26 05 13 16-0085)</small>				
<b>26 05 13 16-0087</b>	<b>Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct</b> <small>(26 05 13 16-0086)</small>				
26 05 13 16-0088	MLF #4 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	7,741.29		1,578.31	
26 05 13 16-0089	MLF #2 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,513.41		1,578.31	
26 05 13 16-0090	MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,807.92		1,578.31	
26 05 13 16-0091	MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	9,767.34		1,578.31	
26 05 13 16-0092	MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	10,677.98		1,578.31	
26 05 13 16-0093	MLF 3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	12,379.36		1,647.49	
26 05 13 16-0094	MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	12,737.10		1,647.49	
26 05 13 16-0095	MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	14,877.11		1,722.87	
26 05 13 16-0096	MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	17,075.76		1,763.27	
26 05 13 16-0097	MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	21,259.24		1,986.15	
<b>26 05 13 16-0098</b>	<b>Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial</b> <small>(26 05 13 16-0086)</small>				
	Note: Excludes excavation.				
26 05 13 16-0099	MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,110.15			
26 05 13 16-0100	MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,069.56			
26 05 13 16-0101	MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,980.19			
26 05 13 16-0102	MLF 3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,703.39			
26 05 13 16-0103	MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,061.12			
26 05 13 16-0104	MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	13,294.00			
26 05 13 16-0105	MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	15,495.88			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0106 MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	19,453.66	
<b>26 05 13 16-0107 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) <small>(26 05 13 16-0086)</small></b>		
26 05 13 16-0108 MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,732.34	701.26
26 05 13 16-0109 MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,976.51	808.03
26 05 13 16-0110 MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,261.91	948.55
26 05 13 16-0111 MLF 3/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	11,153.87	1,084.77
26 05 13 16-0112 MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	11,975.25	1,258.63
26 05 13 16-0113 MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	14,477.74	1,465.22
26 05 13 16-0114 MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	17,221.08	1,707.35
26 05 13 16-0115 MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	21,583.30	1,983.25
<b>26 05 13 16-0116 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 16-0085)</small></b>		
<b>26 05 13 16-0117 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct <small>(26 05 13 16-0116)</small></b>		
26 05 13 16-0118 MLF #4 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,424.48	1,578.31
26 05 13 16-0119 MLF #2 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,335.58	1,578.31
26 05 13 16-0120 MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,683.11	1,578.31
26 05 13 16-0121 MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	10,815.23	1,578.31
26 05 13 16-0122 MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	11,889.77	1,578.31
26 05 13 16-0123 MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	13,866.29	1,647.49
26 05 13 16-0124 MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	14,288.44	1,647.49
26 05 13 16-0125 MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	16,779.69	1,722.87
26 05 13 16-0126 MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	19,355.93	1,763.27
26 05 13 16-0127 MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	24,192.14	1,986.15
<b>26 05 13 16-0128 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial <small>(26 05 13 16-0116)</small></b>		
Note: Excludes excavation.		
26 05 13 16-0129 MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,985.33	
26 05 13 16-0130 MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,117.44	
26 05 13 16-0131 MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,191.99	
26 05 13 16-0132 MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	12,190.32	
26 05 13 16-0133 MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	12,612.45	
26 05 13 16-0134 MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	15,191.04	
26 05 13 16-0135 MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	17,768.98	
26 05 13 16-0136 MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	22,386.56	
<b>26 05 13 16-0137 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) <small>(26 05 13 16-0116)</small></b>		
26 05 13 16-0138 MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,607.52	701.26
26 05 13 16-0139 MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,024.39	808.03
26 05 13 16-0140 MLF 2/0 AWG, EPEPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	10,473.71	948.55
26 05 13 16-0141 MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	12,640.80	1,084.77
26 05 13 16-0142 MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	13,526.58	1,258.63
26 05 13 16-0143 MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	16,380.32	1,465.22
26 05 13 16-0144 MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	19,501.25	1,707.35
26 05 13 16-0145 MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	24,516.20	1,983.25
<b>26 05 13 16-0146 15 KV Non-Shielded Single Copper Conductor <small>(26 05 13 16-0085)</small></b>		
26 05 13 16-0147 MLF 1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,860.58	1,583.84
26 05 13 16-0148 MLF 2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,979.97	1,621.70
26 05 13 16-0149 MLF 3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	15,854.00	1,659.56
26 05 13 16-0150 MLF 350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	22,354.80	1,770.16
<b>26 05 13 16-0151 Shielded, Armored Copper, 15 KV, 3 Conductor Cable <small>(26 05 13 16-0085)</small></b>		
Note: Laid in cable tray or hung in vertical cable shaft.		
<b>26 05 13 16-0152 Galvanized Steel Interlocked Armor Cable <small>(26 05 13 16-0151)</small></b>		
26 05 13 16-0153 LF 3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	51.36	12.07
26 05 13 16-0154 LF 3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	63.04	12.87
<b>26 05 13 16-0155 Aluminum Interlocked Armor Cable <small>(26 05 13 16-0151)</small></b>		
26 05 13 16-0156 LF 3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	51.36	12.07
26 05 13 16-0157 LF 3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	63.04	12.87
<b>26 05 13 16-0158 Type URD, 15 KV Primary Concentric UD Cable <small>(26 05 13 16-0085)</small></b>		
Note: 0.175" XLPE insulation, copper conductor.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0159	MLF		#4 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	3,820.72	791.97
26 05 13 16-0160	MLF		#2 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	4,650.49	864.76
26 05 13 16-0161	MLF		#1 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	5,647.16	977.05
26 05 13 16-0162	MLF		1/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	7,433.13	1,200.49
26 05 13 16-0163	MLF		2/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	8,492.36	1,351.49
26 05 13 16-0164	MLF		3/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	10,716.18	1,504.62
26 05 13 16-0165	MLF		4/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	12,051.69	1,684.28
<b>26 05 13 16-0166</b>			<b>15 KV, URD Copper Cable, Direct Burial</b> <small>(26 05 13 16-0085)</small>		
26 05 13 16-0167	MLF		3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial .....	21,758.60	
<b>26 05 13 16-0168</b>			<b>Wire Connections</b> <small>(26 05 13 16-0001)</small>		
<b>26 05 13 16-0169</b>			<b>Medium Voltage Up To 5 KV</b> <small>(26 05 13 16-0168)</small>		
<b>26 05 13 16-0170</b>			<b>Shielded One Conductor Cable Splice</b> <small>(26 05 13 16-0169)</small>		
26 05 13 16-0171	EA		#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	321.11	96.04
26 05 13 16-0172	EA		#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	448.58	96.04
26 05 13 16-0173	EA		1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	448.58	96.04
26 05 13 16-0174	EA		2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	477.16	115.25
26 05 13 16-0175	EA		3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	477.16	115.25
26 05 13 16-0176	EA		4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	477.16	115.25
26 05 13 16-0177	EA		250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	515.27	134.46
26 05 13 16-0178	EA		350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	515.27	134.46
26 05 13 16-0179	EA		500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	515.27	134.46
<b>26 05 13 16-0180</b>			<b>Cable Termination Without Stress Cone</b> <small>(26 05 13 16-0169)</small>		
26 05 13 16-0181	EA		#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV .....	499.23	115.25
26 05 13 16-0182	EA		250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV .....	575.34	134.46
<b>26 05 13 16-0183</b>			<b>Cable Termination With Stress Cone</b> <small>(26 05 13 16-0169)</small>		
26 05 13 16-0184	EA		#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV .....	1,552.80	230.50
26 05 13 16-0185	EA		250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV .....	2,131.22	316.93
<b>26 05 13 16-0186</b>			<b>Connect To Pothead, Pothead Included</b> <small>(26 05 13 16-0169)</small>		
26 05 13 16-0187	EA		#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV .....	1,629.79	230.50
26 05 13 16-0188	EA		250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV .....	2,101.52	264.12
<b>26 05 13 16-0189</b>			<b>Two Conductor Pothead</b> <small>(26 05 13 16-0169)</small>		
			Note: Includes 5 KV pothead.		
26 05 13 16-0190	EA		#6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	1,104.07	316.93
26 05 13 16-0191	EA		250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	1,496.03	403.38
26 05 13 16-0192	EA		400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	2,373.66	457.35
26 05 13 16-0193	EA		750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	3,985.10	533.60
26 05 13 16-0194	EA		1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	7,436.65	800.31
<b>26 05 13 16-0195</b>			<b>Three Conductor Pothead</b> <small>(26 05 13 16-0169)</small>		
			Note: Includes 5 KV pothead.		
26 05 13 16-0196	EA		#6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	4,978.04	461.00
26 05 13 16-0197	EA		250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	5,431.47	537.83
<b>26 05 13 16-0198</b>			<b>Copper Cable Splice, Crimp Compression Connection</b> <small>(26 05 13 16-0169)</small>		
			Note: For bare wire.		
26 05 13 16-0199	EA		#6 AWG Crimp Compression Connection For Bare Copper Wire .....	67.30	
26 05 13 16-0200	EA		#4 AWG Crimp Compression Connection For Bare Copper Wire .....	74.62	
26 05 13 16-0201	EA		#3 AWG Crimp Compression Connection For Bare Copper Wire .....	86.99	
26 05 13 16-0202	EA		#2 AWG Crimp Compression Connection For Bare Copper Wire .....	98.27	
26 05 13 16-0203	EA		#1 AWG Crimp Compression Connection For Bare Copper Wire .....	111.08	
26 05 13 16-0204	EA		1/0 AWG Crimp Compression Connection For Bare Copper Wire .....	123.28	
26 05 13 16-0205	EA		2/0 AWG Crimp Compression Connection For Bare Copper Wire .....	135.24	
26 05 13 16-0206	EA		3/0 AWG Crimp Compression Connection For Bare Copper Wire .....	148.21	
26 05 13 16-0207	EA		4/0 AWG Crimp Compression Connection For Bare Copper Wire .....	160.58	
26 05 13 16-0208	EA		250 MCM Crimp Compression Connection For Bare Copper Wire .....	173.40	
26 05 13 16-0209	EA		300 MCM Crimp Compression Connection For Bare Copper Wire .....	186.83	
26 05 13 16-0210	EA		350 MCM Crimp Compression Connection For Bare Copper Wire .....	198.83	
26 05 13 16-0211	EA		400 MCM Crimp Compression Connection For Bare Copper Wire .....	225.30	
26 05 13 16-0212	EA		500 MCM Crimp Compression Connection For Bare Copper Wire .....	253.19	
<b>26 05 13 16-0213</b>			<b>Aluminum Cable Splice, Crimp Compression Connection</b> <small>(26 05 13 16-0169)</small>		
			Note: For bare wire.		
26 05 13 16-0214	EA		#6 AWG Crimp Compression Connection For Bare Aluminum Wire .....	70.05	
26 05 13 16-0215	EA		#4 AWG Crimp Compression Connection For Bare Aluminum Wire .....	76.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0216 EA #2 AWG Crimp Compression Connection For Bare Aluminum Wire .....	103.28	
26 05 13 16-0217 EA #1 AWG Crimp Compression Connection For Bare Aluminum Wire .....	123.82	
26 05 13 16-0218 EA 1/0 AWG Crimp Compression Connection For Bare Aluminum Wire .....	135.30	
26 05 13 16-0219 EA 2/0 AWG Crimp Compression Connection For Bare Aluminum Wire .....	146.72	
26 05 13 16-0220 EA 3/0 AWG Crimp Compression Connection For Bare Aluminum Wire .....	161.55	
26 05 13 16-0221 EA 4/0 AWG Crimp Compression Connection For Bare Aluminum Wire .....	174.69	
26 05 13 16-0222 EA 250 MCM Crimp Compression Connection For Bare Aluminum Wire .....	187.17	
26 05 13 16-0223 EA 300 MCM Crimp Compression Connection For Bare Aluminum Wire .....	200.29	
26 05 13 16-0224 EA 350 MCM Crimp Compression Connection For Bare Aluminum Wire .....	212.95	
26 05 13 16-0225 EA 400 MCM Crimp Compression Connection For Bare Aluminum Wire .....	245.54	
26 05 13 16-0226 EA 500 MCM Crimp Compression Connection For Bare Aluminum Wire .....	278.44	
<b>26 05 13 16-0227 15 KV</b> <small>(26 05 13 16-0168)</small>		
<b>26 05 13 16-0228 Single Conductor Pothead On Racks</b> <small>(26 05 13 16-0227)</small>		
Note: Includes pothead.		
26 05 13 16-0229 EA #2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks .....	1,335.19	403.38
26 05 13 16-0230 EA 250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks .....	1,709.37	499.41
<b>26 05 13 16-0231 Two Conductor Pothead On Rack</b> <small>(26 05 13 16-0227)</small>		
Note: Includes pothead.		
26 05 13 16-0232 EA #2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks .....	1,952.64	614.66
26 05 13 16-0233 EA 250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks .....	2,355.26	729.91
<b>26 05 13 16-0234 Three Conductor Pothead On Rack</b> <small>(26 05 13 16-0227)</small>		
Note: Includes pothead.		
26 05 13 16-0235 EA #2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks .....	2,485.19	797.14
26 05 13 16-0236 EA 250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks .....	3,094.07	998.83
<b>26 05 13 16-0237 Stress Relief Cone On Rack</b> <small>(26 05 13 16-0227)</small>		
26 05 13 16-0238 EA #2 To 4/0 AWG Stress Relief Cone, On Rack .....	1,242.17	403.38
26 05 13 16-0239 EA 250 To 500 MCM Stress Relief Cone, On Rack .....	1,604.79	499.41
<b>26 05 13 16-0240 Grounded, Shielded Cable Splice</b> <small>(26 05 13 16-0227)</small>		
26 05 13 16-0241 EA #2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV .....	843.94	297.73
26 05 13 16-0242 EA 250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV .....	1,079.80	384.16
26 05 13 16-0243 EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way .....	5,627.46	1,056.45
26 05 13 16-0244 EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way .....	7,339.28	1,152.50
<b>26 05 13 16-0245 Cable Termination</b> <small>(26 05 13 16-0227)</small>		
26 05 13 16-0246 EA #2 To 3/0 AWG Cable Termination 15 KV .....	576.24	168.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	100.85	
26 05 13 16-0247 EA 4/0 To 250 MCM Cable Termination 15 KV .....	725.95	216.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	129.66	
26 05 13 16-0248 EA 350 To 500 MCM Cable Termination 15 KV .....	902.07	264.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	158.47	
26 05 13 16-0249 EA #2 To 3/0 AWG Cable Elbow Termination 15 KV .....	373.20	96.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	57.63	
<b>26 05 13 16-0250 Stress Cones, 5-15 KV, 4 Skirted</b> <small>(26 05 13 16-0227)</small>		
26 05 13 16-0251 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted .....	785.39	124.85
26 05 13 16-0252 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted .....	897.04	137.99
26 05 13 16-0253 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted .....	1,072.48	151.01
26 05 13 16-0254 EA 400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted .....	1,390.64	173.99
<b>26 05 13 16-0255 Stress Cones, 5-15 KV, 6 Skirted</b> <small>(26 05 13 16-0227)</small>		
26 05 13 16-0256 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted .....	1,570.81	250.13
26 05 13 16-0257 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted .....	1,794.31	275.98
26 05 13 16-0258 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted .....	2,133.75	296.42
26 05 13 16-0259 EA 400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted .....	2,781.29	347.97
<b>26 05 13 16-0260 35 KV</b> <small>(26 05 13 16-0168)</small>		
<b>26 05 13 16-0261 35 KV One Conductor Splice</b> <small>(26 05 13 16-0260)</small>		
26 05 13 16-0262 EA #1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing .....	2,112.89	
<b>26 05 13 16-0263 Cable Termination</b> <small>(26 05 13 16-0260)</small>		
26 05 13 16-0264 EA #2 To 3/0 AWG Cable Termination, 35 KV .....	520.39	115.34
26 05 13 16-0265 EA 3/0 AWG To 250 MCM, 35 KV, Cable Termination .....	702.47	174.03
26 05 13 16-0266 EA 350 To 500 MCM Cable Termination 35 KV .....	823.42	186.13



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0267	EA	#2 To 3/0 AWG Cable Elbow Termination 35 KV .....	410.65	96.04
26 05 13 16-0268		<b>70 KV</b> <small>(26 05 13 16-0168)</small>		
26 05 13 16-0269		<b>Cable Splice</b> <small>(26 05 13 16-0268)</small>		
26 05 13 16-0270	EA	350 MCM, 70 KV, Cable Splicing.....	12,750.75	
26 05 13 16-0271	EA	#2 To 4/0, 70 KV, Cable Splicing .....	2,206.99	

## 26 05 19 Low-Voltage Electrical Power Conductors and Cables (26 05)

### 26 05 19 13 Undercarpet Electrical Power Cables (26 05 19)

26 05 19 13-0001	<b>Under Carpet Power System</b> <small>(26 05 19 13)</small>			
		Note: Includes laying out, floor prep, taping, testing, drill floor, folds.		
26 05 19 13-0002	LF	3-Conductor, #12 Flat Cable With Attached Bottom Shield .....	8.39	0.44
26 05 19 13-0003	LF	Steel, Top Shield.....	12.14	0.44
26 05 19 13-0004	EA	3-Conductor, Splice .....	39.19	7.45
26 05 19 13-0005	EA	Splice Top Shield For 3 Conductor .....	9.02	3.51
26 05 19 13-0006	EA	3-Conductor, Tap.....	49.75	8.77
26 05 19 13-0007	EA	Insulating Patch, Splice Tap And End.....	88.14	7.45
26 05 19 13-0008	EA	3-Conductor, Transition Block Assembly .....	58.30	4.38
26 05 19 13-0009	EA	Single, Direct Connected, Receptacle With Box .....	174.50	14.03
26 05 19 13-0010	EA	Dual, Direct Connected, Receptacle With Box.....	293.30	21.93
26 05 19 13-0011	EA	Floor Mounted Box With Cover.....	299.59	17.55
26 05 19 13-0012	LF	5-Conductor, #12 Cable With Attached Bottom Shield .....	13.79	0.44
26 05 19 13-0013	LF	Steel, Top Shield For 5-Conductor Cable .....	13.68	0.44
26 05 19 13-0014	EA	5-Conductor, Splice .....	39.88	7.45
26 05 19 13-0015	EA	5-Conductor, Transition Block Assembly .....	79.55	4.38
26 05 19 13-0016	EA	Box, Wall, Flush With Cover .....	118.07	17.55
26 05 19 13-0017	EA	Telephone, Transition Fitting Wall Box .....	72.88	14.48
26 05 19 13-0018	EA	RJ-45, Telephone Fitting With Duplex Jack And Cover .....	99.96	16.67
26 05 19 13-0019	EA	Miniature Telephone With Duplex RJ-45 .....	44.03	6.58
26 05 19 13-0020	LF	4-Pair, Level 5, Under Carpet Telephone Wire .....	2.45	0.44
26 05 19 13-0021	EA	BNC, Coax Plug, Connector .....	29.14	8.77
26 05 19 13-0022	EA	TNC, Coax Plug, Connector .....	29.14	8.77
26 05 19 13-0023	CLF	Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm.....	157.07	43.86

### 26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables (26 05 19)

26 05 19 16-0001	<b>Cable Installation Methods</b> <small>(26 05 19 16)</small>			
26 05 19 16-0002		<b>Pull Cord</b> <small>(26 05 19 16-0001)</small>		
		Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.		
26 05 19 16-0003	LF	Pull String Installed To Remain In Place, In Existing Conduit .....	0.31	
26 05 19 16-0004	LF	Pull String Installed To Remain In Place, In New Conduits.....	0.16	
26 05 19 16-0005	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit .....	0.55	
26 05 19 16-0006	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits.....	0.36	

26 05 19 16-0007	<b>Bore Conduit Into Dirt Or Sand</b> <small>(26 05 19 16-0001)</small>			
		Note: For installation under roads, driveways or other structures up to 20'.		
26 05 19 16-0008	LF	Bore 1" To 4" Conduit Into Dirt Or Sand .....	2.99	
26 05 19 16-0009	LF	Bore 5" To 8" Conduit Into Dirt Or Sand .....	3.82	
26 05 19 16-0010	EA	Boring Minimum Set-Up Charge .....	419.34	
		Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.		

26 05 19 16-0011	<b>Wire and Cable</b> <small>(26 05 19 16)</small>			
		Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0057 for various conduit types.		

26 05 19 16-0012	<b>600 Volt Wire</b> <small>(26 05 19 16-0011)</small>			
26 05 19 16-0013		<b>Single Solid Conductor, Copper</b> <small>(26 05 19 16-0012)</small>		
26 05 19 16-0014	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	575.48	212.92
26 05 19 16-0015	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	731.86	250.47
26 05 19 16-0016	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	924.39	306.26
26 05 19 16-0017	MLF	#14 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	778.15	212.92
26 05 19 16-0018	MLF	#12 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	954.83	250.47
26 05 19 16-0019	MLF	#10 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,168.11	306.26
26 05 19 16-0020		<b>Power Cable, Stranded Conductor, Copper</b> <small>(26 05 19 16-0012)</small>		
26 05 19 16-0021		<b>Power Cable, Stranded, Single Conductor, XHHW-2</b> <small>(26 05 19 16-0020)</small>		
26 05 19 16-0022	MLF	#16 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	618.63	175.46





		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0023	MLF	#14 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	725.36	210.55
26 05 19 16-0024	MLF	#12 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	912.44	245.65
26 05 19 16-0025	MLF	#10 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,153.74	280.74
26 05 19 16-0026	MLF	#8 AWG, XLP (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,571.38	350.92
26 05 19 16-0027	MLF	#6 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	2,200.33	421.11
26 05 19 16-0028	MLF	#4 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	3,085.59	526.38
26 05 19 16-0029	MLF	#3 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	3,689.12	596.56
26 05 19 16-0030	MLF	#2 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	4,426.15	666.75
26 05 19 16-0031	MLF	#1 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	5,618.09	736.93
26 05 19 16-0032	MLF	1/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	6,801.84	842.21
26 05 19 16-0033	MLF	2/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	8,237.85	947.49
26 05 19 16-0034	MLF	3/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	9,979.42	1,052.76
26 05 19 16-0035	MLF	4/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	12,110.27	1,158.04
26 05 19 16-0036	MLF	250 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	12,781.23	1,263.32
26 05 19 16-0037	MLF	300 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	15,344.63	1,368.60
26 05 19 16-0038	MLF	350 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	16,348.89	1,473.87
26 05 19 16-0039	MLF	400 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	18,389.01	1,579.14
26 05 19 16-0040	MLF	500 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	21,504.49	1,684.42
26 05 19 16-0041	MLF	600 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	24,934.02	1,824.79
26 05 19 16-0042	MLF	750 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	38,982.57	2,035.34
26 05 19 16-0043	MLF	1,000 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	55,694.40	2,386.27
26 05 19 16-0044		<b>Power Cable, Stranded, Multi Conductor, XHHW-2</b> <small>(26 05 19 16-0020)</small>		
26 05 19 16-0045	MLF	2 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	1,450.73	421.02
26 05 19 16-0046	MLF	3 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	1,825.18	491.38
26 05 19 16-0047	MLF	4 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	2,287.45	596.56
26 05 19 16-0048	MLF	6 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	2,816.22	648.94
26 05 19 16-0049	MLF	7 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	3,103.45	684.21
26 05 19 16-0050	MLF	9 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	3,676.56	754.31
26 05 19 16-0051	MLF	10 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	2,164.48	786.24
26 05 19 16-0052	MLF	12 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	4,537.24	859.76
26 05 19 16-0053	MLF	14 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	5,067.15	912.58
26 05 19 16-0054	MLF	24 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	7,670.96	1,158.13
26 05 19 16-0055	MLF	37 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	11,661.28	1,719.51
26 05 19 16-0056	MLF	2 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	1,825.10	491.38
26 05 19 16-0057	MLF	3 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	2,386.50	596.56
26 05 19 16-0058	MLF	4 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	2,947.92	701.84
26 05 19 16-0059	MLF	2 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	2,482.26	631.39
26 05 19 16-0060	MLF	3 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	3,284.10	771.32
26 05 19 16-0061	MLF	4 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	4,264.47	982.76
26 05 19 16-0062	MLF	6 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	5,870.76	1,263.75
26 05 19 16-0063	MLF	9 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	8,102.85	1,614.32
26 05 19 16-0064	MLF	2 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	3,186.64	719.39
26 05 19 16-0065	MLF	3 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	4,187.76	842.21
26 05 19 16-0066	MLF	4 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	5,452.09	1,070.31
26 05 19 16-0067	MLF	2 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	4,313.02	807.12
26 05 19 16-0068	MLF	3 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	5,943.01	1,000.13
26 05 19 16-0069	MLF	4 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	7,673.98	1,233.48
26 05 19 16-0070	MLF	2 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	5,987.31	979.25
26 05 19 16-0071	MLF	3 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	8,109.05	1,120.05
26 05 19 16-0072	MLF	4 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	10,572.74	1,397.72
26 05 19 16-0073	MLF	2 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	8,500.49	1,192.78
26 05 19 16-0074	MLF	3 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	11,612.44	1,333.86
26 05 19 16-0075	MLF	4 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	15,423.62	1,754.60
26 05 19 16-0076	MLF	3 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	15,537.60	1,684.16
26 05 19 16-0077	MLF	4 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	20,364.58	2,104.65
26 05 19 16-0078	MLF	3 Conductors, 1/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	18,651.70	1,825.14
26 05 19 16-0079	MLF	3 Conductors, 2/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	22,868.98	2,104.65
26 05 19 16-0080	MLF	3 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	28,180.98	2,455.40
26 05 19 16-0081	MLF	4 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	37,282.33	3,156.98
26 05 19 16-0082	MLF	3 Conductors, 4/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	34,669.96	2,809.74
26 05 19 16-0083	MLF	3 Conductors, 250 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	36,761.13	3,156.98
26 05 19 16-0084	MLF	3 Conductors, 350 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	46,765.64	3,509.22
26 05 19 16-0085	MLF	3 Conductors, 500 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	61,522.34	3,856.80
26 05 19 16-0086		<b>Underground Feeder And Branch Circuit Suitable, Single Stranded Copper</b>		
		<small>(26 05 19 16-0012)</small>		
		Note: Direct bury.		
26 05 19 16-0087	MLF	#14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,044.34	
26 05 19 16-0088	MLF	#12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,234.99	
26 05 19 16-0089	MLF	#10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,622.71	
26 05 19 16-0090	MLF	#8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,185.57	
26 05 19 16-0091	MLF	#6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,250.98	
26 05 19 16-0092	MLF	#4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,359.95	
26 05 19 16-0093	MLF	#2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,558.80	
26 05 19 16-0094	MLF	#1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,409.20	
26 05 19 16-0095	MLF	1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,481.66	
26 05 19 16-0096	MLF	2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,897.69	
26 05 19 16-0097	MLF	3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	15,789.17	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 19 16-0098	MLF	4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	17,920.55	
26 05 19 16-0099	MLF	250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	19,381.46	
26 05 19 16-0100	MLF	300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	23,591.60	
26 05 19 16-0101	MLF	350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	26,528.21	
26 05 19 16-0102	MLF	400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	30,011.25	
26 05 19 16-0103	MLF	500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	36,046.36	
26 05 19 16-0104	MLF	600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	42,921.76	
26 05 19 16-0105	MLF	750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	70,700.48	
26 05 19 16-0106	MLF	#14 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	717.30	
26 05 19 16-0107	MLF	#12 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	869.66	
26 05 19 16-0108	MLF	#10 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,060.35	
26 05 19 16-0109	MLF	#8 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,291.27	
26 05 19 16-0110	MLF	#6 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,703.93	
26 05 19 16-0111	MLF	#4 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,313.79	
26 05 19 16-0112	MLF	#2 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,209.81	
26 05 19 16-0113	MLF	#1 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,871.91	
26 05 19 16-0114	MLF	1/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,371.38	
26 05 19 16-0115	MLF	2/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,929.27	
26 05 19 16-0116	MLF	3/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,797.00	
26 05 19 16-0117	MLF	4/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,877.45	
26 05 19 16-0118	MLF	250 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,872.63	
26 05 19 16-0119	MLF	300 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,930.59	
26 05 19 16-0120	MLF	350 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,091.69	
26 05 19 16-0121	MLF	400 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,297.70	
26 05 19 16-0122	MLF	500 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,379.20	
26 05 19 16-0123	MLF	750 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	23,489.47	
26 05 19 16-0124	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	599.96	
26 05 19 16-0125	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	757.15	
26 05 19 16-0126	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	960.78	
26 05 19 16-0127	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,393.02	
26 05 19 16-0128	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,962.76	
26 05 19 16-0129	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,678.18	
26 05 19 16-0130	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,911.28	
26 05 19 16-0131	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,727.12	
26 05 19 16-0132	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,504.97	
26 05 19 16-0133	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,300.68	
26 05 19 16-0134	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,610.21	
26 05 19 16-0135	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,176.06	
26 05 19 16-0136	MLF	250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,883.46	
26 05 19 16-0137	MLF	300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,669.29	
26 05 19 16-0138	MLF	350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	14,601.07	
26 05 19 16-0139	MLF	400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	16,459.21	
26 05 19 16-0140	MLF	500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	19,799.22	
26 05 19 16-0141	MLF	600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	24,014.19	
26 05 19 16-0142	MLF	750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	39,224.70	
26 05 19 16-0143	MLF	#2 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,288.08	
26 05 19 16-0144	MLF	1/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,207.48	
26 05 19 16-0145	MLF	2/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,203.50	
26 05 19 16-0146	MLF	3/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,626.15	
26 05 19 16-0147	MLF	4/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,939.88	
26 05 19 16-0148	MLF	250 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,920.94	
26 05 19 16-0149	MLF	350 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	20,488.08	
26 05 19 16-0150	MLF	400 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	22,309.47	
26 05 19 16-0151	MLF	500 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	25,625.93	

**26 05 19 16-0152 600 Volt, Armored Cable, Copper Conductors** (26 05 19 16-0012)**26 05 19 16-0153 ACTHH, Solid** (26 05 19 16-0152)

26 05 19 16-0154	MLF	1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable.....	2,308.42	576.25
26 05 19 16-0155	MLF	1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable.....	2,674.06	653.08
26 05 19 16-0156	MLF	1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable.....	3,116.39	691.50
26 05 19 16-0157	MLF	2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	3,197.89	960.41
26 05 19 16-0158	MLF	2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	3,379.18	1,075.47
26 05 19 16-0159	MLF	2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	4,450.60	1,191.58
26 05 19 16-0160	MLF	2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	6,071.25	1,306.64
26 05 19 16-0161	MLF	3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	3,953.94	1,075.47
26 05 19 16-0162	MLF	3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	4,076.49	1,191.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0163 MLF 3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	5,393.77	1,345.15
26 05 19 16-0164 MLF 3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	7,298.13	1,459.63
26 05 19 16-0165 MLF 4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	4,806.82	1,191.58
26 05 19 16-0166 MLF 4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	5,227.32	1,345.15
26 05 19 16-0167 MLF 4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	6,867.74	1,498.33
26 05 19 16-0168 MLF 4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	9,242.69	1,614.16
<b>26 05 19 16-0169 ACTHH, Stranded</b> <small>(26 05 19 16-0152)</small>		
26 05 19 16-0170 MLF 2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	6,264.25	1,383.85
26 05 19 16-0171 MLF 2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	7,756.17	1,574.40
26 05 19 16-0172 MLF 3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	7,490.80	1,536.66
26 05 19 16-0173 MLF 3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	9,602.32	1,727.39
26 05 19 16-0174 MLF 3 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable.....	12,427.74	1,920.82
26 05 19 16-0175 MLF 3 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable.....	14,389.85	2,110.79
26 05 19 16-0176 MLF 3 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable.....	16,609.85	2,303.15
26 05 19 16-0177 MLF 4 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	9,815.84	1,843.41
26 05 19 16-0178 MLF 4 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	12,089.97	2,034.73
26 05 19 16-0179 MLF 4 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable.....	15,960.01	2,228.35
26 05 19 16-0180 MLF 4 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable.....	17,514.75	2,419.18
26 05 19 16-0181 MLF 4 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable.....	21,053.52	2,609.82
<b>26 05 19 16-0182 HCFC, Solid</b> <small>(26 05 19 16-0152)</small>		
26 05 19 16-0183 MLF 2 Conductors, #14 AWG, Type HCF, Solid, Armored Cable.....	3,698.43	960.41
26 05 19 16-0184 MLF 2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable.....	4,020.69	1,079.12
26 05 19 16-0185 MLF 2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable.....	4,515.53	1,185.72
26 05 19 16-0186 MLF 3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable.....	4,572.29	1,079.12
26 05 19 16-0187 MLF 3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable.....	4,876.47	1,185.72
26 05 19 16-0188 MLF 3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable.....	6,584.70	1,352.73
26 05 19 16-0189 MLF 4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable.....	5,764.36	1,185.72
26 05 19 16-0190 MLF 4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable.....	6,238.44	1,352.73
26 05 19 16-0191 MLF 4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable.....	8,892.38	1,500.64
<b>26 05 19 16-0192 MC, Solid Or Stranded, Galvanized Steel Armor</b> <small>(26 05 19 16-0152)</small>		
26 05 19 16-0193 MLF 2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	3,120.53	960.41
26 05 19 16-0194 MLF 2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	3,480.34	1,079.12
26 05 19 16-0195 MLF 2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	4,272.78	1,185.72
26 05 19 16-0196 MLF 2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	5,663.81	1,267.06
26 05 19 16-0197 MLF 2 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	7,239.61	1,343.23
26 05 19 16-0198 MLF 3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	3,628.35	1,079.12
26 05 19 16-0199 MLF 3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	4,119.29	1,185.72
26 05 19 16-0200 MLF 3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	5,357.98	1,352.73
26 05 19 16-0201 MLF 3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	7,202.40	1,459.63
26 05 19 16-0202 MLF 3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	8,529.47	1,574.40
26 05 19 16-0203 MLF 3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	10,762.24	1,690.90
26 05 19 16-0204 MLF 3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	15,317.13	1,805.29
26 05 19 16-0205 MLF 4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	4,259.35	1,185.72
26 05 19 16-0206 MLF 4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	4,884.06	1,352.73
26 05 19 16-0207 MLF 4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	7,819.85	1,500.64
26 05 19 16-0208 MLF 4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	10,916.55	1,653.05
26 05 19 16-0209 MLF 4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	13,546.57	1,768.69
26 05 19 16-0210 MLF 4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	18,242.94	1,883.17
26 05 19 16-0211 MLF 4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	23,923.83	1,996.69
<b>26 05 19 16-0212 MC, Solid Or Stranded, Aluminum Armor</b> <small>(26 05 19 16-0152)</small>		
26 05 19 16-0213 MLF 2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	3,088.68	960.41
26 05 19 16-0214 MLF 2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	3,397.75	1,079.12
26 05 19 16-0215 MLF 2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	4,199.74	1,185.72
26 05 19 16-0216 MLF 3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	3,761.37	1,079.12
26 05 19 16-0217 MLF 3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	4,045.91	1,185.72
26 05 19 16-0218 MLF 3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	5,299.95	1,352.73
26 05 19 16-0219 MLF 4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	4,891.76	1,185.72
26 05 19 16-0220 MLF 4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	5,342.41	1,352.73
26 05 19 16-0221 MLF 4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	7,819.85	1,500.64
<b>26 05 19 16-0222 BX, Solid</b> <small>(26 05 19 16-0152)</small>		
26 05 19 16-0223 MLF #14 AWG Cable - Type BX, 2 Conductors, Solid Copper, Armored Cable.....	4,237.46	1,280.51
26 05 19 16-0224 MLF #12 AWG Cable - Type BX, 2 Conductors, Solid Copper, Armored Cable.....	4,711.02	1,455.21
26 05 19 16-0225 MLF #10 AWG Cable - Type BX, 2 Conductors, Solid Copper, Armored Cable.....	6,174.72	1,715.00
26 05 19 16-0226 MLF #14 AWG Cable - Type BX, 3 Conductors, Solid Copper, Armored Cable.....	4,824.21	1,391.92
26 05 19 16-0227 MLF #12 AWG Cable - Type BX, 3 Conductors, Solid Copper, Armored Cable.....	5,854.02	1,715.00
26 05 19 16-0228 MLF #10 AWG Cable - Type BX, 3 Conductors, Solid Copper, Armored Cable.....	7,575.46	2,043.46
26 05 19 16-0229 MLF #14 AWG Cable - Type BX, 4 Conductors, Solid Copper, Armored Cable.....	5,624.32	1,524.45
26 05 19 16-0230 MLF #12 AWG Cable - Type BX, 4 Conductors, Solid Copper, Armored Cable.....	6,483.08	1,715.00
26 05 19 16-0231 MLF #10 AWG Cable - Type BX, 4 Conductors, Solid Copper, Armored Cable.....	9,181.89	2,182.72

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0232			<b>FPLP Solid TFN Red Armored Cable</b> (26 05 19 16-0152) Note: Color coded red.		
26 05 19 16-0233	MLF		#18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	3,461.16	729.91
26 05 19 16-0234	MLF		#18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	3,915.07	845.16
26 05 19 16-0235	MLF		#18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	4,936.03	960.41
26 05 19 16-0236	MLF		#18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	5,686.22	1,075.66
26 05 19 16-0237	MLF		#16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	3,925.87	845.16
26 05 19 16-0238	MLF		#16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	4,677.04	960.41
26 05 19 16-0239	MLF		#16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	5,997.21	1,075.66
26 05 19 16-0240	MLF		#16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	6,853.37	1,190.91
26 05 19 16-0241			<b>FPLP Solid THHN Red Armored Cable</b> (26 05 19 16-0152) Note: Color coded red.		
26 05 19 16-0242	MLF		#14/2 With #14 Ground Type THHN FPLP Red Armored Cable.....	4,340.54	960.41
26 05 19 16-0243	MLF		#14/4 With #14 Ground Type THHN FPLP Red Armored Cable.....	5,500.81	1,075.66
26 05 19 16-0244	MLF		#14/6 With #14 Ground Type THHN FPLP Red Armored Cable.....	7,546.96	1,190.91
26 05 19 16-0245	MLF		#14/8 With #14 Ground Type THHN FPLP Red Armored Cable.....	8,821.03	1,306.15
26 05 19 16-0246	MLF		#12/2 With #12 Ground Type THHN FPLP Red Armored Cable.....	5,604.80	1,075.66
26 05 19 16-0247	MLF		#12/4 With #12 Ground Type THHN FPLP Red Armored Cable.....	6,976.98	1,190.91
26 05 19 16-0248			<b>FPLP Twisted Shielded Pair Red Armored Cable</b> (26 05 19 16-0152) Note: Color coded red.		
26 05 19 16-0249	MLF		#18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	3,814.33	729.91
26 05 19 16-0250	MLF		#18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	6,201.27	1,075.66
26 05 19 16-0251	MLF		#16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	4,741.11	845.16
26 05 19 16-0252	MLF		#16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable.....	5,636.50	960.41
26 05 19 16-0253	MLF		#16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	7,975.68	1,190.91
26 05 19 16-0254	MLF		#14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	5,545.17	998.83
26 05 19 16-0255	MLF		#14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	6,928.03	1,152.50
26 05 19 16-0256			<b>Armored Cable Connectors</b> (26 05 19 16-0152)		
26 05 19 16-0257	EA		3/4" Armored Cable Connector.....	6.00	2.11
			<i>For Work In Restricted Working Space, Add</i>	1.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.05	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.32	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.11	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.64	
			<i>For Elevated Installation &gt;40', Add</i>	2.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.58	
26 05 19 16-0258	EA		1" Armored Cable Connector.....	8.01	2.81
			<i>For Work In Restricted Working Space, Add</i>	2.11	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.70	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.40	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.76	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.46	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.81	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.51	
			<i>For Elevated Installation &gt;40', Add</i>	3.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.11	
26 05 19 16-0259	EA		1-1/4" Armored Cable Connector.....	10.07	3.51
			<i>For Work In Restricted Working Space, Add</i>	2.63	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.88	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.75	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.07	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.51	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.39	
			<i>For Elevated Installation &gt;40', Add</i>	4.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.63	
26 05 19 16-0260			<b>600 Volt, Feeder Wire, Single Stranded Copper</b> (26 05 19 16-0012)		
26 05 19 16-0261	MLF		#14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	849.04	140.63
			<i>For EPR Insulation, Add</i>	48.40	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	112.93	
26 05 19 16-0262	MLF		#12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	943.03	155.72
			<i>For EPR Insulation, Add</i>	49.34	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	115.12	
26 05 19 16-0263	MLF		#10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,182.06	194.67
			<i>For EPR Insulation, Add</i>	72.03	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	168.08	
26 05 19 16-0264	MLF		#8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,666.78	309.69
			<i>For EPR Insulation, Add</i>	118.42	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	276.32	
26 05 19 16-0265	MLF		#6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,379.39	371.62
			<i>For EPR Insulation, Add</i>	198.99	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	464.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0266 MLF #4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,322.99	431.45
For EPR Insulation, Add	301.05	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	702.46	
26 05 19 16-0267 MLF #3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,797.98	493.83
For EPR Insulation, Add	345.99	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	807.30	
26 05 19 16-0268 MLF #2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,926.55	556.21
For EPR Insulation, Add	488.95	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,140.89	
26 05 19 16-0269 MLF #1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	6,246.71	619.47
For EPR Insulation, Add	660.66	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,541.53	
26 05 19 16-0270 MLF 1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	7,606.29	698.86
For EPR Insulation, Add	825.11	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,925.27	
26 05 19 16-0271 MLF 2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	9,283.30	775.01
For EPR Insulation, Add	1,037.19	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	2,420.10	
26 05 19 16-0272 MLF 3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	11,272.52	865.19
For EPR Insulation, Add	1,296.09	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	3,024.21	
26 05 19 16-0273 MLF 4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	12,762.63	961.96
For EPR Insulation, Add	1,480.13	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	3,453.64	
26 05 19 16-0274 MLF 250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	13,542.73	1,055.04
For EPR Insulation, Add	1,557.67	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	3,634.55	
26 05 19 16-0275 MLF 300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	16,177.08	1,159.80
For EPR Insulation, Add	1,913.34	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	4,464.46	
26 05 19 16-0276 MLF 350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	18,130.93	1,229.54
For EPR Insulation, Add	2,166.94	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	5,056.19	
26 05 19 16-0277 MLF 400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	20,430.32	1,374.21
For EPR Insulation, Add	2,472.37	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	5,768.86	
26 05 19 16-0278 MLF 500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	23,538.33	1,528.35
For EPR Insulation, Add	2,899.09	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	6,764.54	
26 05 19 16-0279 MLF 600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	27,797.04	1,590.12
For EPR Insulation, Add	3,485.26	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	8,132.27	
26 05 19 16-0280 MLF 750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	46,581.32	1,651.78
For EPR Insulation, Add	6,223.94	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	14,522.54	
26 05 19 16-0281 MLF 1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	59,274.93	1,764.96
For EPR Insulation, Add	8,075.35	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	18,842.47	
26 05 19 16-0282 MLF #16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,512.88	315.65
26 05 19 16-0283 MLF #14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,951.70	350.92
26 05 19 16-0284 MLF #12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,475.85	421.46
26 05 19 16-0285 MLF #10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,946.11	491.11
26 05 19 16-0286 MLF #8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,668.74	525.86
26 05 19 16-0287 MLF #18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	448.26	175.46
26 05 19 16-0288 MLF #16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	558.46	193.01
26 05 19 16-0289 MLF #14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	592.28	140.72
26 05 19 16-0290 MLF #12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	746.16	167.74
26 05 19 16-0291 MLF #10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	944.31	211.00
26 05 19 16-0292 MLF #8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,364.28	278.10
26 05 19 16-0293 MLF #6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,915.25	335.84
26 05 19 16-0294 MLF #4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,604.96	396.89
26 05 19 16-0295 MLF #3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,139.00	449.27
26 05 19 16-0296 MLF #2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,796.05	503.13
26 05 19 16-0297 MLF #1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,581.40	567.79
26 05 19 16-0298 MLF 1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,334.74	621.74
26 05 19 16-0299 MLF 2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	6,100.91	687.10
26 05 19 16-0300 MLF 3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	7,356.44	726.76
26 05 19 16-0301 MLF 4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	8,860.26	817.65
26 05 19 16-0302 MLF 250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	10,498.89	869.85
26 05 19 16-0303 MLF 300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	12,212.21	985.13
26 05 19 16-0304 MLF 350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	14,064.54	1,090.22
26 05 19 16-0305 MLF 400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	15,846.73	1,120.05
26 05 19 16-0306 MLF 500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	19,040.22	1,184.98
26 05 19 16-0307 MLF 600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	23,926.46	1,394.47
26 05 19 16-0308 MLF 750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	37,582.43	1,651.78
26 05 19 16-0309 MLF 1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	45,155.36	1,994.28
26 05 19 16-0310 MLF #16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,291.40	421.46
26 05 19 16-0311 MLF #14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,540.99	491.11
26 05 19 16-0312 MLF #12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,946.33	561.91
26 05 19 16-0313 MLF #10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,852.96	631.39
26 05 19 16-0314 MLF #8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,369.51	701.84
26 05 19 16-0315 MLF #6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,602.99	771.32

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0316			<b>600 Volt, Feeder Wire, Single Stranded Aluminum</b> <small>(26 05 19 16-0012)</small>		
26 05 19 16-0317	MLF	#6 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	993.37	275.25	
26 05 19 16-0318	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,176.40	320.06	
26 05 19 16-0319	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,537.79	410.84	
26 05 19 16-0320	MLF	#1 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,894.86	458.78	
26 05 19 16-0321	MLF	1/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,189.82	516.87	
26 05 19 16-0322	MLF	2/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,486.94	570.49	
26 05 19 16-0323	MLF	3/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,927.31	643.83	
26 05 19 16-0324	MLF	4/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,240.03	710.31	
26 05 19 16-0325	MLF	250 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,739.73	780.86	
26 05 19 16-0326	MLF	300 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,592.03	849.18	
26 05 19 16-0327	MLF	350 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,803.64	917.47	
26 05 19 16-0328	MLF	400 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,485.69	1,020.48	
26 05 19 16-0329	MLF	500 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,045.39	1,123.45	
26 05 19 16-0330	MLF	600 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,372.70	1,308.69	
26 05 19 16-0331	MLF	700 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,321.00	1,434.69	
26 05 19 16-0332	MLF	750 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,502.14	1,487.88	
26 05 19 16-0333	MLF	1,000 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,632.47	1,804.88	
26 05 19 16-0334	MLF	#8 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,105.87	311.53	
26 05 19 16-0335	MLF	#6 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,243.75	350.92	
26 05 19 16-0336	MLF	#4 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,530.96	431.72	
26 05 19 16-0337	MLF	#2 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,936.18	529.19	
26 05 19 16-0338	MLF	#1 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,455.37	622.98	
26 05 19 16-0339	MLF	#1/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,832.90	702.11	
26 05 19 16-0340	MLF	2/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,223.02	779.84	
26 05 19 16-0341	MLF	3/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,708.92	850.81	
26 05 19 16-0342	MLF	4/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,021.51	905.46	
26 05 19 16-0343	MLF	250 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,567.96	968.81	
26 05 19 16-0344	MLF	300 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,559.85	1,038.29	
26 05 19 16-0345	MLF	350 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,817.13	1,121.64	
26 05 19 16-0346	MLF	400 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,580.65	1,223.14	
26 05 19 16-0347	MLF	500 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,394.91	1,403.69	
26 05 19 16-0348	MLF	600 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,616.39	1,477.21	
26 05 19 16-0349	MLF	700 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,576.96	1,557.39	
26 05 19 16-0350	MLF	750 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,879.35	1,655.13	
26 05 19 16-0351	MLF	1,000 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	14,346.71	2,319.60	
26 05 19 16-0352	MLF	#6 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,323.43	350.92	
26 05 19 16-0353	MLF	#4 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,652.58	431.63	
26 05 19 16-0354	MLF	#2 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,064.08	529.89	
26 05 19 16-0355	MLF	#1 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,606.54	619.47	
26 05 19 16-0356	MLF	1/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,945.30	698.86	
26 05 19 16-0357	MLF	2/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,339.68	775.01	
26 05 19 16-0358	MLF	3/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,886.11	850.81	
26 05 19 16-0359	MLF	4/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,252.18	905.46	
26 05 19 16-0360	MLF	250 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,842.37	968.19	
26 05 19 16-0361	MLF	300 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,913.13	1,039.60	
26 05 19 16-0362	MLF	350 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,249.45	1,123.12	
26 05 19 16-0363	MLF	400 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,925.90	1,220.33	
26 05 19 16-0364	MLF	500 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,970.55	1,403.69	
26 05 19 16-0365	MLF	600 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,164.16	1,473.25	
26 05 19 16-0366	MLF	700 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,190.41	1,557.39	
26 05 19 16-0367	MLF	750 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,575.16	1,650.12	
26 05 19 16-0368			<b>Non-Metallic Sheathed Cable</b> <small>(26 05 19 16-0012)</small>		
26 05 19 16-0369			<b>Indoor Installation</b> <small>(26 05 19 16-0368)</small>		
			Note: For NM, NM-B, NMC-B and NMS-B.		
26 05 19 16-0370	MLF	#14 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	1,945.02	666.67	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	249.99		
26 05 19 16-0371	MLF	#14 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	2,399.57	807.12	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	302.68		
26 05 19 16-0372	MLF	#14 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,122.88	893.09	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	334.91		
26 05 19 16-0373	MLF	#12 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	2,279.04	757.99	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	269.77		
26 05 19 16-0374	MLF	#12 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,013.32	842.04	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	315.78		
26 05 19 16-0375	MLF	#12 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,755.70	940.46	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	352.68		
26 05 19 16-0376	MLF	#10 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	2,769.28	842.47	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	315.94		
26 05 19 16-0377	MLF	#10 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,903.60	982.76	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	368.53		
26 05 19 16-0378	MLF	#10 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	4,586.69	1,122.95	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	421.11		
26 05 19 16-0379	MLF	#8 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	4,345.63	1,008.90	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	359.26		
26 05 19 16-0380	MLF	#8 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	5,460.01	1,219.45	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	434.27		
26 05 19 16-0381	MLF	#6 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	5,464.93	1,149.26	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	407.95		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0382 MLF #6 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	7,108.95 493.48	1,386.14
26 05 19 16-0383 MLF #4 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	14,240.77 542.83	1,526.51
26 05 19 16-0384 MLF #2 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	16,462.94 592.18	1,658.11
<b>26 05 19 16-0385 Direct Burial Cable</b> <small>(26 05 19 16-0368)</small> Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.		
26 05 19 16-0386 MLF #14 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	2,122.51	
26 05 19 16-0387 MLF #14 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	2,823.81	
26 05 19 16-0388 MLF #12 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	2,728.99	
26 05 19 16-0389 MLF #12 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,687.88	
26 05 19 16-0390 MLF #10 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,062.93	
26 05 19 16-0391 MLF #10 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,642.32	
26 05 19 16-0392 MLF #8 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	5,242.59	
26 05 19 16-0393 MLF #8 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	6,816.11	
26 05 19 16-0394 MLF #6 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	6,742.09	
26 05 19 16-0395 MLF #6 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	9,113.81	
<b>26 05 19 16-0396 SEU Cable Copper, 3 Conductor</b> <small>(26 05 19 16-0368)</small>		
26 05 19 16-0397 MLF 12-12-12 Cable SEU Copper	2,924.78	845.45
26 05 19 16-0398 MLF 10-10-10 Cable SEU Copper	3,851.17	960.41
26 05 19 16-0399 MLF 8-8-8 Cable SEU Copper	5,006.66	1,075.47
26 05 19 16-0400 MLF 6-6-8 Cable SEU Copper	6,308.76	1,152.97
26 05 19 16-0401 MLF 6-6-6 Cable SEU Copper	6,874.13	1,191.58
26 05 19 16-0402 MLF 4-4-6 Cable SEU Copper	8,642.75	1,306.64
26 05 19 16-0403 MLF 4-4-4 Cable SEU Copper	9,426.10	1,345.15
26 05 19 16-0404 MLF 3-3-5 Cable SEU Copper	11,167.78	1,459.63
26 05 19 16-0405 MLF 3-3-3 Cable SEU Copper	11,886.85	1,536.66
26 05 19 16-0406 MLF 2-2-4 Cable SEU Copper	12,748.05	1,614.16
26 05 19 16-0407 MLF 2-2-2 Cable SEU Copper	13,692.65	1,690.90
26 05 19 16-0408 MLF 1-1-1 Cable SEU Copper	17,030.78	1,920.82
26 05 19 16-0409 MLF 1/0-1/0-1/0 Cable SEU Copper	20,508.82	2,153.43
26 05 19 16-0410 MLF 2/0-2/0-2/0 Cable SEU Copper	25,001.86	2,425.33
26 05 19 16-0411 MLF 3/0-3/0-3/0 Cable SEU Copper	30,480.87	2,697.79
26 05 19 16-0412 MLF 4/0-4/0-4/0 Cable SEU Copper	34,071.74	3,010.69
<b>26 05 19 16-0413 SEU Cable Aluminum, 3 Conductor</b> <small>(26 05 19 16-0368)</small>		
26 05 19 16-0414 MLF 8-8-8 Cable SEU Aluminum	3,500.13	1,079.12
26 05 19 16-0415 MLF 6-6-6 Cable SEU Aluminum	3,995.80	1,185.72
26 05 19 16-0416 MLF 4-4-6 Cable SEU Aluminum	4,491.85	1,297.90
26 05 19 16-0417 MLF 4-4-4 Cable SEU Aluminum	4,704.31	1,352.73
26 05 19 16-0418 MLF 2-2-4 Cable SEU Aluminum	5,630.90	1,600.72
26 05 19 16-0419 MLF 2-2-2 Cable SEU Aluminum	5,979.24	1,684.94
26 05 19 16-0420 MLF 1-1-1 Cable SEU Aluminum	7,196.48	1,920.82
26 05 19 16-0421 MLF 1/0-1/0-2 Cable SEU Aluminum	7,619.41	2,021.95
26 05 19 16-0422 MLF 1/0-1/0-1/0 Cable SEU Aluminum	9,305.66	2,134.22
26 05 19 16-0423 MLF 2/0-2/0-1 Cable SEU Aluminum	8,602.25	2,286.74
26 05 19 16-0424 MLF 2/0-2/0-2/0 Cable SEU Aluminum	9,089.45	2,401.02
26 05 19 16-0425 MLF 3/0-3/0-1/0 Cable SEU Aluminum	9,915.77	2,514.16
26 05 19 16-0426 MLF 3/0-3/0-3/0 Cable SEU Aluminum	10,611.29	2,667.82
26 05 19 16-0427 MLF 4/0-4/0-2/0 Cable SEU Aluminum	11,193.64	2,884.11
26 05 19 16-0428 MLF 4/0-4/0-4/0 Cable SEU Aluminum	11,828.24	3,001.28
<b>26 05 19 16-0429 SER Cable Copper, 4 Conductor</b> <small>(26 05 19 16-0368)</small>		
26 05 19 16-0430 MLF 6-6-6-6 Cable SER Copper	11,042.93	1,383.85
26 05 19 16-0431 MLF 4-4-4-6 Cable SER Copper	12,138.73	1,498.33
26 05 19 16-0432 MLF 3-3-3-5 Cable SER Copper	15,297.83	1,690.90
26 05 19 16-0433 MLF 2-2-2-4 Cable SER Copper	17,655.25	1,843.41
26 05 19 16-0434 MLF 1-1-1-3 Cable SER Copper	20,635.89	2,110.79
26 05 19 16-0435 MLF 1/0-1/0-1/0-2 Cable SER Copper	25,366.78	2,419.18
26 05 19 16-0436 MLF 2/0-2/0-2/0-1 Cable SER Copper	32,429.78	2,609.82
26 05 19 16-0437 MLF 3/0-3/0-3/0-1/0 Cable SER Copper	37,604.57	2,919.16
<b>26 05 19 16-0438 SER Cable Aluminum, 4 Conductor</b> <small>(26 05 19 16-0368)</small>		
26 05 19 16-0439 MLF 8-8-8-8 Cable SER Aluminum	4,703.22	1,291.65
26 05 19 16-0440 MLF 6-6-6-6 Cable SER Aluminum	5,148.96	1,383.85
26 05 19 16-0441 MLF 4-4-4-6 Cable SER Aluminum	5,808.39	1,498.33
26 05 19 16-0442 MLF 2-2-2-4 Cable SER Aluminum	7,355.54	1,843.41

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0443 MLF 1-1-1-3 Cable SER Aluminum.....	8,951.28	2,110.79
26 05 19 16-0444 MLF 1/0-1/0-1/0-2 Cable SER Aluminum.....	10,082.00	2,419.18
26 05 19 16-0445 MLF 2/0-2/0-2/0-1 Cable SER Aluminum.....	11,366.02	2,609.82
26 05 19 16-0446 MLF 3/0-3/0-3/0-1/0 Cable SER Aluminum.....	12,985.95	2,919.16
26 05 19 16-0447 MLF 4/0-4/0-4/0-2/0 Cable SER Aluminum.....	14,801.63	3,252.81
<b>26 05 19 16-0448 Control Tray Cable, Low Voltage</b> <small>(26 05 19 16-0011)</small>		
Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.		
26 05 19 16-0449 MLF 2 Conductor #18 AWG, Stranded, Type TC Control Cable.....	908.01	425.58
<i>For Work In Restricted Working Space, Add</i>	212.79	
26 05 19 16-0450 MLF 3 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,048.91	476.06
<i>For Work In Restricted Working Space, Add</i>	238.03	
26 05 19 16-0451 MLF 4 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,100.96	476.03
<i>For Work In Restricted Working Space, Add</i>	238.03	
26 05 19 16-0452 MLF 5 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,378.36	597.07
<i>For Work In Restricted Working Space, Add</i>	298.54	
26 05 19 16-0453 MLF 7 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,737.82	727.59
<i>For Work In Restricted Working Space, Add</i>	363.80	
26 05 19 16-0454 MLF 9 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,986.41	800.10
<i>For Work In Restricted Working Space, Add</i>	400.05	
26 05 19 16-0455 MLF 12 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,366.81	909.11
<i>For Work In Restricted Working Space, Add</i>	454.56	
26 05 19 16-0456 MLF 15 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,996.94	1,111.19
<i>For Work In Restricted Working Space, Add</i>	555.60	
26 05 19 16-0457 MLF 19 Conductor #18 AWG, Stranded, Type TC Control Cable.....	3,430.33	1,212.26
<i>For Work In Restricted Working Space, Add</i>	606.13	
26 05 19 16-0458 MLF 25 Conductor #18 AWG, Stranded, Type TC Control Cable.....	4,080.17	1,250.16
<i>For Work In Restricted Working Space, Add</i>	625.08	
26 05 19 16-0459 MLF 30 Conductor #18 AWG, Stranded, Type TC Control Cable.....	5,001.68	1,561.78
<i>For Work In Restricted Working Space, Add</i>	780.89	
26 05 19 16-0460 MLF 37 Conductor #18 AWG, Stranded, Type TC Control Cable.....	6,003.78	1,825.23
<i>For Work In Restricted Working Space, Add</i>	912.62	
26 05 19 16-0461 MLF 2 Conductor #16 AWG, Stranded, Type TC Control Cable.....	994.97	448.31
<i>For Work In Restricted Working Space, Add</i>	223.97	
26 05 19 16-0462 MLF 3 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,154.56	501.12
<i>For Work In Restricted Working Space, Add</i>	250.56	
26 05 19 16-0463 MLF 4 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,345.93	576.92
<i>For Work In Restricted Working Space, Add</i>	288.46	
26 05 19 16-0464 MLF 5 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,526.53	628.50
<i>For Work In Restricted Working Space, Add</i>	314.25	
26 05 19 16-0465 MLF 7 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,932.92	765.89
<i>For Work In Restricted Working Space, Add</i>	382.94	
26 05 19 16-0466 MLF 9 Conductor #16 AWG, Stranded, Type TC Control Cable.....	2,219.82	842.21
<i>For Work In Restricted Working Space, Add</i>	421.11	
26 05 19 16-0467 MLF 12 Conductor #16 AWG, Stranded, Type TC Control Cable.....	2,659.46	956.97
<i>For Work In Restricted Working Space, Add</i>	478.48	
26 05 19 16-0468 MLF 15 Conductor #16 AWG, Stranded, Type TC Control Cable.....	3,380.56	1,169.62
<i>For Work In Restricted Working Space, Add</i>	584.81	
26 05 19 16-0469 MLF 19 Conductor #16 AWG, Stranded, Type TC Control Cable.....	3,888.96	1,275.95
<i>For Work In Restricted Working Space, Add</i>	637.98	
26 05 19 16-0470 MLF 25 Conductor #16 AWG, Stranded, Type TC Control Cable.....	4,688.97	1,315.96
<i>For Work In Restricted Working Space, Add</i>	657.98	
26 05 19 16-0471 MLF 30 Conductor #16 AWG, Stranded, Type TC Control Cable.....	5,738.22	1,643.89
<i>For Work In Restricted Working Space, Add</i>	821.95	
26 05 19 16-0472 MLF 37 Conductor #16 AWG, Stranded, Type TC Control Cable.....	6,904.31	1,921.30
<i>For Work In Restricted Working Space, Add</i>	960.65	
26 05 19 16-0473 MLF 2 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,081.53	467.95
<i>For Work In Restricted Working Space, Add</i>	233.98	
26 05 19 16-0474 MLF 3 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,297.19	526.38
<i>For Work In Restricted Working Space, Add</i>	263.19	
26 05 19 16-0475 MLF 4 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,523.18	601.66
<i>For Work In Restricted Working Space, Add</i>	300.83	
26 05 19 16-0476 MLF 5 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,718.67	647.98
<i>For Work In Restricted Working Space, Add</i>	323.99	
26 05 19 16-0477 MLF 7 Conductor #14 AWG, Stranded, Type TC Control Cable.....	2,299.66	794.31
<i>For Work In Restricted Working Space, Add</i>	397.16	
26 05 19 16-0478 MLF 9 Conductor #14 AWG, Stranded, Type TC Control Cable.....	2,657.10	877.30
<i>For Work In Restricted Working Space, Add</i>	438.74	
26 05 19 16-0479 MLF 12 Conductor #14 AWG, Stranded, Type TC Control Cable.....	3,275.87	979.07
<i>For Work In Restricted Working Space, Add</i>	489.53	
26 05 19 16-0480 MLF 15 Conductor #14 AWG, Stranded, Type TC Control Cable.....	3,912.82	1,169.45
<i>For Work In Restricted Working Space, Add</i>	584.81	
26 05 19 16-0481 MLF 19 Conductor #14 AWG, Stranded, Type TC Control Cable.....	6,711.65	1,358.95
<i>For Work In Restricted Working Space, Add</i>	679.30	
26 05 19 16-0482 MLF 25 Conductor #14 AWG, Stranded, Type TC Control Cable.....	5,889.45	1,588.79
<i>For Work In Restricted Working Space, Add</i>	794.57	
26 05 19 16-0483 MLF 30 Conductor #14 AWG, Stranded, Type TC Control Cable.....	6,857.07	1,775.49
<i>For Work In Restricted Working Space, Add</i>	887.75	
26 05 19 16-0484 MLF 37 Conductor #14 AWG, Stranded, Type TC Control Cable.....	8,271.14	2,075.00
<i>For Work In Restricted Working Space, Add</i>	1,037.50	
26 05 19 16-0485 MLF 2 Conductor #12 AWG, Stranded, Type TC Control Cable.....	1,266.92	501.12
<i>For Work In Restricted Working Space, Add</i>	250.56	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0486 MLF 3 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,521.11 277.14	554.46
26 05 19 16-0487 MLF 4 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,855.77 318.99	637.98
26 05 19 16-0488 MLF 5 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,107.53 339.52	679.04
26 05 19 16-0489 MLF 7 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,792.32 404.79	809.58
26 05 19 16-0490 MLF 9 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,451.94 478.48	956.97
26 05 19 16-0491 MLF 12 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,212.26 539.81	1,079.61
26 05 19 16-0492 MLF 15 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,021.30 619.29	1,238.58
26 05 19 16-0493 MLF 19 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,947.31 701.93	1,403.86
26 05 19 16-0494 MLF 25 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,643.18 820.37	1,640.73
26 05 19 16-0495 MLF 30 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	8,451.99 958.80	1,917.61
26 05 19 16-0496 MLF 37 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	10,714.13 1,120.67	2,241.33
26 05 19 16-0497 MLF 2 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,521.93 263.19	526.38
26 05 19 16-0498 MLF 3 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,913.67 288.46	577.27
26 05 19 16-0499 MLF 4 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,338.57 328.99	657.98
26 05 19 16-0500 MLF 5 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,727.26 356.89	713.78
26 05 19 16-0501 MLF 7 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,705.01 447.95	895.90
26 05 19 16-0502 MLF 9 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,403.54 501.38	1,002.75
26 05 19 16-0503 MLF 12 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,131.10 584.81	1,169.62
26 05 19 16-0504 MLF 15 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,073.33 668.77	1,337.54
26 05 19 16-0505 MLF 19 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,216.44 757.99	1,515.98
26 05 19 16-0506 MLF 25 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	9,334.22 885.90	1,771.80
26 05 19 16-0507 MLF 30 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	10,798.88 1,035.39	2,070.79
26 05 19 16-0508 MLF 37 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	13,106.87 1,210.42	2,420.83
<b>26 05 19 16-0509 ACSR (Aluminum Conductor Steel Reinforced)</b> <small>(26 05 19 16-0011)</small> Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.		
<b>26 05 19 16-0510 ACSR Cable</b> <small>(26 05 19 16-0509)</small>		
26 05 19 16-0511 MLF #4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial) .....	1,299.73	455.23
26 05 19 16-0512 MLF #4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial) .....	1,363.78	472.70
26 05 19 16-0513 MLF #2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial) .....	1,442.15	490.89
26 05 19 16-0514 MLF #2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial) .....	1,506.79	508.68
26 05 19 16-0515 MLF 1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial) .....	1,614.61	525.92
26 05 19 16-0516 MLF 2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial) .....	1,855.22	596.19
26 05 19 16-0517 MLF 3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial) .....	2,106.92	664.87
26 05 19 16-0518 MLF 4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial) .....	2,375.87	734.50
26 05 19 16-0519 MLF 336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial) .....	2,914.40	943.92
26 05 19 16-0520 MLF 477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial) .....	3,329.25	1,082.77
<b>26 05 19 16-0521 All Aluminum Conductors</b> <small>(26 05 19 16-0509)</small>		
26 05 19 16-0522 MLF 795.0 ACSR Conductor Aluminum .....	24,696.12	9,027.94
<b>26 05 19 16-0523 Single Conductor Installed On Poles</b> <small>(26 05 19 16-0011)</small>		
<b>26 05 19 16-0524 Bare Stranded Conductor</b> <small>(26 05 19 16-0523)</small>		
26 05 19 16-0525 MLF #12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,217.07	385.71
26 05 19 16-0526 MLF #10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,454.43	420.42
26 05 19 16-0527 MLF #8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,692.92	455.56
26 05 19 16-0528 MLF #6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	2,134.69	490.89
26 05 19 16-0529 MLF #4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	2,659.13	526.34
26 05 19 16-0530 MLF #2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	3,919.05	631.32
26 05 19 16-0531 MLF #1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	4,525.49	701.26
26 05 19 16-0532 MLF 1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	5,191.63	769.95
26 05 19 16-0533 MLF 2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	7,070.30	913.21
26 05 19 16-0534 MLF 3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	8,632.29	1,049.95
26 05 19 16-0535 MLF 4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	9,208.44	1,189.95
26 05 19 16-0536 MLF 250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	11,749.73	1,402.43

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0537 MLF 300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	11,981.61	1,476.27
26 05 19 16-0538 MLF 350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	15,227.25	1,546.00
26 05 19 16-0539 MLF 400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	16,917.00	1,609.42
26 05 19 16-0540 MLF 500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	19,900.58	1,678.11
<b>26 05 19 16-0541 Insulated Stranded Conductor</b> <small>(26 05 19 16-0523)</small>		
26 05 19 16-0542 MLF #12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,344.14	385.71
26 05 19 16-0543 MLF #10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,618.38	420.42
26 05 19 16-0544 MLF #8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,016.58	455.56
26 05 19 16-0545 MLF #6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,195.95	490.89
26 05 19 16-0546 MLF #4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,752.60	526.34
26 05 19 16-0547 MLF #2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	3,784.07	631.32
26 05 19 16-0548 MLF #1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	4,512.02	701.26
26 05 19 16-0549 MLF 1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	5,379.57	769.95
26 05 19 16-0550 MLF 2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	6,493.14	913.21
26 05 19 16-0551 MLF 3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	7,827.79	1,049.95
26 05 19 16-0552 MLF 4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	9,271.20	1,189.95
26 05 19 16-0553 MLF 250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	11,365.73	1,402.43
26 05 19 16-0554 MLF 300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	12,998.06	1,476.27
26 05 19 16-0555 MLF 350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	14,320.54	1,546.00
26 05 19 16-0556 MLF 400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	16,165.21	1,609.42
26 05 19 16-0557 MLF 500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	18,301.55	1,678.11
<b>26 05 19 16-0558 Bare Solid Conductor</b> <small>(26 05 19 16-0523)</small>		
26 05 19 16-0559 MLF #12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	1,217.07	385.71
26 05 19 16-0560 MLF #8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	1,692.92	455.56
26 05 19 16-0561 MLF #6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	2,134.69	490.89
26 05 19 16-0562 MLF #4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	2,620.51	526.34
<b>26 05 19 16-0563 Multi-Conductor Cords, Cables And Associated Equipment</b> <small>(26 05 19 16-0011)</small>		
<b>26 05 19 16-0564 Multi-Conductor Cords</b> <small>(26 05 19 16-0563)</small>		
Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
<b>26 05 19 16-0565 Multi-Conductor Type SOOW And SJOOW Cord</b> <small>(26 05 19 16-0564)</small>		
Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
<b>26 05 19 16-0566 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0565)</small>		
<b>26 05 19 16-0567 #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0566)</small>		
26 05 19 16-0568 LF 2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.09	0.38
26 05 19 16-0569 LF 3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.16	0.38
26 05 19 16-0570 LF 4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.34	0.38
<b>26 05 19 16-0571 #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0566)</small>		
26 05 19 16-0572 LF 2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.28	0.38
26 05 19 16-0573 LF 3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.39	0.38
26 05 19 16-0574 LF 4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.55	0.38
<b>26 05 19 16-0575 #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0566)</small>		
26 05 19 16-0576 LF 2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.48	0.38
26 05 19 16-0577 LF 3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.66	0.38
26 05 19 16-0578 LF 4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.00	0.38
<b>26 05 19 16-0579 #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0566)</small>		
26 05 19 16-0580 LF 2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.78	0.38
26 05 19 16-0581 LF 3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.99	0.38
26 05 19 16-0582 LF 4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.28	0.38
<b>26 05 19 16-0583 #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0566)</small>		
26 05 19 16-0584 LF 2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.39	0.48
26 05 19 16-0585 LF 3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.53	0.48
26 05 19 16-0586 LF 4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.75	0.48
<b>26 05 19 16-0587 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0565)</small>		



**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0638			<b>#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0587)</small>		
26 05 19 16-0639	LF		2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.00	0.38
26 05 19 16-0640	LF		3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.24	0.38
26 05 19 16-0641	LF		4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.47	0.38
26 05 19 16-0642	LF		5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.41	0.52
26 05 19 16-0643	LF		6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.18	0.53
26 05 19 16-0644	LF		7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.95	0.55
26 05 19 16-0645	LF		8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.80	0.56
26 05 19 16-0646	LF		9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.40	0.57
26 05 19 16-0647	LF		10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.43	0.59
26 05 19 16-0648	LF		12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.66	0.60
26 05 19 16-0649	LF		14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.79	0.62
26 05 19 16-0650	LF		16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.92	0.63
26 05 19 16-0651	LF		18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.47	0.65
26 05 19 16-0652	LF		20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	14.44	0.66
26 05 19 16-0653	LF		24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	16.47	0.68
26 05 19 16-0654	LF		26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	18.50	0.69
26 05 19 16-0655	LF		28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	19.14	0.70
26 05 19 16-0656	LF		30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	19.86	0.72
26 05 19 16-0657			<b>#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0587)</small>		
26 05 19 16-0658	LF		2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.33	0.48
26 05 19 16-0659	LF		3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.53	0.48
26 05 19 16-0660	LF		4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.74	0.48
26 05 19 16-0661	LF		5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.76	0.52
26 05 19 16-0662	LF		6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.43	0.53
26 05 19 16-0663	LF		7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.63	0.55
26 05 19 16-0664	LF		10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.92	0.59
26 05 19 16-0665	LF		12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.43	0.60
26 05 19 16-0666	LF		16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	14.69	0.63
26 05 19 16-0667	LF		20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	21.60	0.66
26 05 19 16-0668			<b>#8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0587)</small>		
26 05 19 16-0669	LF		3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	4.92	0.57
26 05 19 16-0670	LF		4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.38	0.67
26 05 19 16-0671	LF		5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.52	0.67
26 05 19 16-0672			<b>#6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0587)</small>		
26 05 19 16-0673	LF		3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.25	0.67
26 05 19 16-0674	LF		4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	8.78	0.77
26 05 19 16-0675	LF		5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	10.55	0.96
26 05 19 16-0676			<b>#4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0587)</small>		
26 05 19 16-0677	LF		3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	11.72	0.96
26 05 19 16-0678	LF		4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	12.89	1.05
26 05 19 16-0679	LF		5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	15.64	1.15
26 05 19 16-0680			<b>#2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0587)</small>		
26 05 19 16-0681	LF		3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	17.11	1.93
26 05 19 16-0682	LF		4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	21.82	2.40
26 05 19 16-0683	LF		5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	26.12	3.17
26 05 19 16-0684			<b>300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0585)</small>		
26 05 19 16-0685			<b>#18 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0684)</small>		
26 05 19 16-0686	LF		2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.55	0.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0687 LF 3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.74	0.38
26 05 19 16-0688 LF 4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.13	0.38
<b>26 05 19 16-0689 #16 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0684)</small>		
26 05 19 16-0690 LF 2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.67	0.38
26 05 19 16-0691 LF 3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.98	0.38
26 05 19 16-0692 LF 4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.13	0.38
<b>26 05 19 16-0693 #14 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0684)</small>		
26 05 19 16-0694 LF 2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.45	0.38
26 05 19 16-0695 LF 3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	3.72	0.38
26 05 19 16-0696 LF 4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	4.83	0.48
<b>26 05 19 16-0697 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0565)</small>		
<b>26 05 19 16-0698 #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0697)</small>		
26 05 19 16-0699 LF 2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.35	0.38
26 05 19 16-0700 LF 3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.89	0.38
26 05 19 16-0701 LF 4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.44	0.38
<b>26 05 19 16-0702 #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0697)</small>		
26 05 19 16-0703 LF 2 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.54	0.38
26 05 19 16-0704 LF 3 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.09	0.38
26 05 19 16-0705 LF 4 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.95	0.38
26 05 19 16-0706 LF 5 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.26	0.48
<b>26 05 19 16-0707 #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0697)</small>		
26 05 19 16-0708 LF 3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.21	0.38
26 05 19 16-0709 LF 4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.91	0.38
26 05 19 16-0710 LF 5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.38	0.48
<b>26 05 19 16-0711 #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0697)</small>		
26 05 19 16-0712 LF 3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.88	0.38
26 05 19 16-0713 LF 4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.49	0.38
26 05 19 16-0714 LF 5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	5.02	0.48
<b>26 05 19 16-0715 #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0697)</small>		
26 05 19 16-0716 LF 3 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.46	0.48
26 05 19 16-0717 LF 4 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	5.01	0.48
26 05 19 16-0718 LF 5 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	5.54	0.48
<b>26 05 19 16-0719 Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0564)</small>		
Note: Includes thermoplastic elastomeric (TPE) insulation.		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0720	600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0719)</small>	
26 05 19 16-0721	#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0720)</small>	
26 05 19 16-0722 LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.70 0.38
26 05 19 16-0723 LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.91 0.38
26 05 19 16-0724 LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.05 0.48
26 05 19 16-0725	#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0720)</small>	
26 05 19 16-0726 LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.34 0.38
26 05 19 16-0727 LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.75 0.38
26 05 19 16-0728 LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	4.06 0.48
26 05 19 16-0729	#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0720)</small>	
26 05 19 16-0730 LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.00 0.38
26 05 19 16-0731 LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.53 0.38
26 05 19 16-0732 LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	4.50 0.48
26 05 19 16-0733	#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0720)</small>	
26 05 19 16-0734 LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.87 0.48
26 05 19 16-0735 LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	4.50 0.48
26 05 19 16-0736 LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	4.83 0.48
26 05 19 16-0737	Multi-Conductor Type W Cord <small>(26 05 19 16-0564)</small> Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.	
26 05 19 16-0738	2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0737)</small>	
26 05 19 16-0739	#8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0738)</small>	
26 05 19 16-0740 LF	3 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.45 0.57
26 05 19 16-0741 LF	4 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.88 0.67
26 05 19 16-0742 LF	5 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	7.02 0.67
26 05 19 16-0743	#6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0738)</small>	
26 05 19 16-0744 LF	3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.83 0.67
26 05 19 16-0745 LF	4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.97 0.77
26 05 19 16-0746 LF	5 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	8.70 0.96
26 05 19 16-0747	#4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0738)</small>	
26 05 19 16-0748 LF	3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	8.16 0.67
26 05 19 16-0749 LF	4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	9.65 0.77
26 05 19 16-0750 LF	5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	12.47 0.96
26 05 19 16-0751	Cord Grips, Cable Reels, Extension Cords, And Accessories <small>(26 05 19 16-0563)</small>	
26 05 19 16-0752	Cord Grips <small>(26 05 19 16-0751)</small>	
26 05 19 16-0753 EA	Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel.....	61.73
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>17.46</i>
26 05 19 16-0754 EA	Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel.....	62.12
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>17.46</i>
26 05 19 16-0755	Cable Reels <small>(26 05 19 16-0751)</small> Note: Includes handling, mounting, electrical connections and installing cord.	
26 05 19 16-0756 EA	30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A).....	920.80 48.02
26 05 19 16-0757 EA	50', 10-4, SEOW, Extension Cord Reel (Reelcraft L 7050 104 X 1).....	2,692.87 48.02
26 05 19 16-0758 EA	50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K).....	1,992.38 48.02
26 05 19 16-0759	Extension Cords For Cable Reel <small>(26 05 19 16-0751)</small>	
26 05 19 16-0760 EA	100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord.....	192.53
26 05 19 16-0761 EA	100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord.....	276.69
26 05 19 16-0762	Plugs And Connector Bodies <small>(26 05 19 16-0751)</small> Note: Up to 277 volt	
26 05 19 16-0763	NEMA Twist-Lock Plugs <small>(26 05 19 16-0762)</small>	
26 05 19 16-0764 EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C).....	69.40
26 05 19 16-0765 EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK).....	71.04
26 05 19 16-0766 EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C).....	64.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0767 EA 20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331) .....	69.19	
26 05 19 16-0768 EA 20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411) .....	92.96	
26 05 19 16-0769 EA 20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441) .....	99.40	
26 05 19 16-0770 EA 20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK) .....	105.71	
26 05 19 16-0771 EA 30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK) .....	93.92	
26 05 19 16-0772 EA 30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK) .....	109.40	
26 05 19 16-0773 EA 30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761) .....	112.42	
26 05 19 16-0774 EA 30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK) .....	116.26	
<b>26 05 19 16-0775 NEMA Twist-Lock Connector Bodies</b> <small>(26 05 19 16-0762)</small>		
26 05 19 16-0776 EA 15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C) .....	74.05	
26 05 19 16-0777 EA 15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C) .....	79.88	
26 05 19 16-0778 EA 20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C) .....	67.61	
26 05 19 16-0779 EA 20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK) .....	93.92	
26 05 19 16-0780 EA 20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK) .....	110.91	
26 05 19 16-0781 EA 20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443) .....	119.13	
26 05 19 16-0782 EA 20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK) .....	146.81	
26 05 19 16-0783 EA 30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK) .....	139.82	
26 05 19 16-0784 EA 30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK) .....	174.49	
26 05 19 16-0785 EA 30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753) .....	183.67	
26 05 19 16-0786 EA 30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK) .....	173.67	
<b>26 05 19 16-0787 Watertight Pin And Sleeve Plug</b> <small>(26 05 19 16-0762)</small>		
26 05 19 16-0788 EA 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W) .....	254.96	28.81
26 05 19 16-0789 EA 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W) .....	257.82	28.81
26 05 19 16-0790 EA 20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W) .....	280.04	28.81
26 05 19 16-0791 EA 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W) .....	279.11	31.70
26 05 19 16-0792 EA 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W) .....	274.80	31.70
26 05 19 16-0793 EA 20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W) .....	276.08	31.70
26 05 19 16-0794 EA 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W) .....	393.11	35.44
26 05 19 16-0795 EA 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W) .....	382.37	35.44
26 05 19 16-0796 EA 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W) .....	428.48	35.44
26 05 19 16-0797 EA 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W) .....	418.98	38.90
26 05 19 16-0798 EA 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W) .....	400.34	38.90
26 05 19 16-0799 EA 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W) .....	413.16	38.90
26 05 19 16-0800 EA 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W) .....	535.13	46.10
26 05 19 16-0801 EA 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W) .....	545.35	46.10
26 05 19 16-0802 EA 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W) .....	521.11	46.10
26 05 19 16-0803 EA 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W) .....	594.07	51.28
26 05 19 16-0804 EA 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W) .....	578.16	51.28
26 05 19 16-0805 EA 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W) .....	585.04	51.28
26 05 19 16-0806 EA 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W) .....	737.15	57.62
26 05 19 16-0807 EA 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W) .....	776.64	57.62
26 05 19 16-0808 EA 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W) .....	753.64	63.39
26 05 19 16-0809 EA 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W) .....	740.16	63.39
26 05 19 16-0810 EA 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W) .....	747.44	63.39
<b>26 05 19 16-0811 Watertight Pin And Sleeve Connector</b> <small>(26 05 19 16-0762)</small>		
26 05 19 16-0812 EA 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W) .....	271.42	28.81
26 05 19 16-0813 EA 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W) .....	273.40	28.81
26 05 19 16-0814 EA 20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W) .....	324.58	28.81
26 05 19 16-0815 EA 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W) .....	320.58	31.70
26 05 19 16-0816 EA 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W) .....	315.39	31.70
26 05 19 16-0817 EA 20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W) .....	320.09	31.70
26 05 19 16-0818 EA 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W) .....	402.94	35.44
26 05 19 16-0819 EA 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W) .....	402.83	35.44
26 05 19 16-0820 EA 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W) .....	420.48	35.44
26 05 19 16-0821 EA 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W) .....	414.19	38.90
26 05 19 16-0822 EA 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W) .....	417.83	38.90
26 05 19 16-0823 EA 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W) .....	413.99	38.90
26 05 19 16-0824 EA 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W) .....	636.00	46.10
26 05 19 16-0825 EA 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W) .....	614.39	46.10
26 05 19 16-0826 EA 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W) .....	601.50	46.10
26 05 19 16-0827 EA 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W) .....	654.11	51.28
26 05 19 16-0828 EA 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W) .....	672.90	51.28
26 05 19 16-0829 EA 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W) .....	674.27	51.28
26 05 19 16-0830 EA 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W) .....	847.80	57.62
26 05 19 16-0831 EA 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W) .....	872.59	57.62
26 05 19 16-0832 EA 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W) .....	942.35	63.39
26 05 19 16-0833 EA 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W) .....	908.30	63.39
26 05 19 16-0834 EA 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W) .....	919.91	63.39
<b>26 05 19 16-0835 Accessories</b> <small>(26 05 19 16-0751)</small>		
26 05 19 16-0836 EA 1/2" Straight Steel Cord Connector.....	56.02	9.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>5.76</i>	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0837	EA		1/2" Straight Nylon Cord Connector.....	32.82	7.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.32	
26 05 19 16-0838	EA		1/2" 90 Degree Steel Cord Connector.....	63.58	12.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.20	
26 05 19 16-0839	EA		1/2" 90 Degree Nylon Cord Connector.....	38.99	9.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.76	
26 05 19 16-0840	EA		1/2" Straight Steel Cord Connector With Strain Relief Mesh.....	62.67	12.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.20	
26 05 19 16-0841	EA		1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	111.91	14.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.64	
26 05 19 16-0842	EA		1/2" Straight Nylon Cord Connector With Strain Relief Mesh.....	38.29	9.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.76	
26 05 19 16-0843	EA		1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	66.95	12.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.21	
26 05 19 16-0844	EA		3/4" Straight Steel Cord Connector.....	58.61	9.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.76	
26 05 19 16-0845	EA		3/4" Straight Nylon Cord Connector.....	34.12	7.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.32	
26 05 19 16-0846	EA		3/4" 90 Degree Steel Cord Connector.....	71.68	12.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.20	
26 05 19 16-0847	EA		3/4" 90 Degree Nylon Cord Connector.....	43.04	9.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.76	
26 05 19 16-0848	EA		3/4" Straight Steel Cord Connector With Strain Relief Mesh.....	70.20	14.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.64	
26 05 19 16-0849	EA		3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	83.66	16.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.08	
26 05 19 16-0850	EA		3/4" Straight Nylon Cord Connector With Strain Relief Mesh.....	45.82	12.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.21	
26 05 19 16-0851	EA		3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	55.38	14.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.64	
26 05 19 16-0852	EA		1" Straight Steel Cord Connector.....	75.24	9.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.76	
26 05 19 16-0853	EA		1" Straight Nylon Cord Connector.....	42.43	7.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.32	
26 05 19 16-0854	EA		1" 90 Degree Steel Cord Connector.....	82.66	12.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.20	
26 05 19 16-0855	EA		1" 90 Degree Nylon Cord Connector.....	48.54	9.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.76	
26 05 19 16-0856	EA		1" Straight Steel Cord Connector With Strain Relief Mesh.....	87.65	14.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.64	
26 05 19 16-0857	EA		1" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	95.19	16.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.08	
26 05 19 16-0858	EA		1" Straight Nylon Cord Connector With Strain Relief Mesh.....	54.68	12.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.21	
26 05 19 16-0859	EA		1" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	62.88	14.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.64	

**26 05 23 Control-Voltage Electrical Power Cables** (26 05)**26 05 23 00-0001 Cable For HVAC System Controls** (26 05 23)**26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt** (26 05 23 00-0001)

Note: For surface or conduit installation.

26 05 23 00-0003	MLF		#20/2 Conductor, Low Volt Thermostat Cable.....	423.37	111.86
26 05 23 00-0004	MLF		#20/3 Conductor, Low Volt Thermostat Cable.....	493.82	117.82
26 05 23 00-0005	MLF		#20/4 Conductor, Low Volt Thermostat Cable.....	538.60	124.58
26 05 23 00-0006	MLF		#20/5 Conductor, Low Volt Thermostat Cable.....	667.38	129.84
26 05 23 00-0007	MLF		#20/6 Conductor, Low Volt Thermostat Cable.....	701.81	135.99
26 05 23 00-0008	MLF		#20/7 Conductor, Low Volt Thermostat Cable.....	778.94	141.64
26 05 23 00-0009	MLF		#20/8 Conductor, Low Volt Thermostat Cable.....	844.90	147.30
26 05 23 00-0010	MLF		#20/9 Conductor, Low Volt Thermostat Cable.....	924.54	153.18
26 05 23 00-0011	MLF		#20/10 Conductor, Low Volt Thermostat Cable.....	1,002.18	157.78
26 05 23 00-0012	MLF		#18/2 Conductor, Low Volt Thermostat Cable.....	470.10	111.86
26 05 23 00-0013	MLF		#18/3 Conductor, Low Volt Thermostat Cable.....	577.19	117.82
26 05 23 00-0014	MLF		#18/4 Conductor, Low Volt Thermostat Cable.....	670.86	124.58
26 05 23 00-0015	MLF		#18/5 Conductor, Low Volt Thermostat Cable.....	721.98	129.84
26 05 23 00-0016	MLF		#18/6 Conductor, Low Volt Thermostat Cable.....	811.48	135.99
26 05 23 00-0017	MLF		#18/7 Conductor, Low Volt Thermostat Cable.....	829.29	141.64
26 05 23 00-0018	MLF		#18/8 Conductor, Low Volt Thermostat Cable.....	921.75	147.30
26 05 23 00-0019	MLF		#18/9 Conductor, Low Volt Thermostat Cable.....	1,108.93	153.18
26 05 23 00-0020	MLF		#18/10 Conductor, Low Volt Thermostat Cable.....	1,229.61	157.78

**26 05 26 Grounding and Bonding for Electrical Systems** (26 05)**26 05 26 00-0001 Conductors, Straps And Conduit Jumpers** (26 05 26)**26 05 26 00-0002 Single Conductor** (26 05 26 00-0001)**26 05 26 00-0003 Copper Bare Stranded Conductors** (26 05 26 00-0002)

26 05 26 00-0004	MLF		12 AWG Copper Bare Single Stranded Conductor.....	574.99	186.32
26 05 26 00-0005	MLF		10 AWG Copper Bare Single Stranded Conductor.....	793.24	186.32
26 05 26 00-0006	MLF		8 AWG Copper Bare Single Stranded Conductor.....	1,012.23	224.44





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0007 MLF 6 AWG Copper Bare Single Stranded Conductor .....	1,458.92	224.44
26 05 26 00-0008 MLF 4 AWG Copper Bare Single Stranded Conductor .....	2,017.10	271.01
26 05 26 00-0009 MLF 2 AWG Copper Bare Single Stranded Conductor .....	3,276.31	271.01
26 05 26 00-0010 MLF 1 AWG Copper Bare Single Stranded Conductor .....	3,819.06	326.07
26 05 26 00-0011 MLF 1/0 AWG Copper Bare Single Stranded Conductor .....	4,489.09	326.07
26 05 26 00-0012 MLF 2/0 AWG Copper Bare Single Stranded Conductor .....	6,385.10	410.76
26 05 26 00-0013 MLF 3/0 AWG Copper Bare Single Stranded Conductor .....	7,918.94	410.76
26 05 26 00-0014 MLF 4/0 AWG Copper Bare Single Stranded Conductor .....	8,340.61	546.27
26 05 26 00-0015 MLF 250 MCM Copper Bare Single Stranded Conductor .....	10,813.84	546.27
26 05 26 00-0016 MLF 300 MCM Copper Bare Single Stranded Conductor .....	10,807.74	630.96
26 05 26 00-0017 MLF 350 MCM Copper Bare Single Stranded Conductor .....	14,729.49	630.96
26 05 26 00-0018 MLF 500 MCM Copper Bare Single Stranded Conductor .....	20,212.90	779.17
<b>26 05 26 00-0019 Copper Insulated Single Stranded Conductors</b> <small>(26 05 26 00-0002)</small>		
26 05 26 00-0020 MLF 12 AWG Copper Insulated Single Stranded Conductor .....	1,194.05	254.08
26 05 26 00-0021 MLF 10 AWG Copper Insulated Single Stranded Conductor .....	1,238.51	254.08
26 05 26 00-0022 MLF 8 AWG Copper Insulated Single Stranded Conductor .....	1,619.43	254.08
26 05 26 00-0023 MLF 6 AWG Copper Insulated Single Stranded Conductor .....	1,806.34	440.40
26 05 26 00-0024 MLF 4 AWG Copper Insulated Single Stranded Conductor .....	2,504.65	440.40
26 05 26 00-0025 MLF 2 AWG Copper Insulated Single Stranded Conductor .....	3,619.07	440.40
26 05 26 00-0026 MLF 1 AWG Copper Insulated Single Stranded Conductor .....	4,417.82	770.70
26 05 26 00-0027 MLF 1/0 AWG Copper Insulated Single Stranded Conductor .....	5,433.35	770.70
26 05 26 00-0028 MLF 2/0 AWG Copper Insulated Single Stranded Conductor .....	6,435.51	770.70
26 05 26 00-0029 MLF 3/0 AWG Copper Insulated Single Stranded Conductor .....	7,747.39	770.70
26 05 26 00-0030 MLF 4/0 AWG Copper Insulated Single Stranded Conductor .....	9,208.09	1,007.84
26 05 26 00-0031 MLF 250 MCM Copper Insulated Single Stranded Conductor .....	11,239.95	1,007.84
26 05 26 00-0032 MLF 300 MCM Copper Insulated Single Stranded Conductor .....	13,167.10	1,007.84
26 05 26 00-0033 MLF 350 MCM Copper Insulated Single Stranded Conductor .....	15,243.16	1,566.81
26 05 26 00-0034 MLF 500 MCM Copper Insulated Single Stranded Conductor .....	20,116.26	1,566.81
<b>26 05 26 00-0035 Copper Bare Single Solid Conductors</b> <small>(26 05 26 00-0002)</small>		
26 05 26 00-0036 MLF 12 AWG Copper Bare Single Solid Conductor .....	574.99	186.32
26 05 26 00-0037 MLF 10 AWG Copper Bare Single Solid Conductor .....	793.24	186.32
26 05 26 00-0038 MLF 8 AWG Copper Bare Single Solid Conductor .....	1,012.23	224.44
26 05 26 00-0039 MLF 6 AWG Copper Bare Single Solid Conductor .....	1,458.92	224.44
26 05 26 00-0040 MLF 4 AWG Copper Bare Single Solid Conductor .....	2,017.10	271.01
26 05 26 00-0041 MLF 2 AWG Copper Bare Single Solid Conductor .....	3,276.31	271.01
26 05 26 00-0042 MLF 1/0 AWG Copper Bare Single Solid Conductor .....	4,489.09	326.07
26 05 26 00-0043 MLF 4/0 AWG Copper Bare Single Solid Conductor .....	8,340.61	431.93
<b>26 05 26 00-0044 Aluminum Bare Single Stranded Conductors</b> <small>(26 05 26 00-0002)</small>		
26 05 26 00-0045 MLF 8 AWG Aluminum Bare Single Stranded Conductor .....	491.60	224.44
26 05 26 00-0046 MLF 6 AWG Aluminum Bare Single Stranded Conductor .....	530.76	224.44
26 05 26 00-0047 MLF 4 AWG Aluminum Bare Single Stranded Conductor .....	590.75	271.01
26 05 26 00-0048 MLF 2 AWG Aluminum Bare Single Stranded Conductor .....	709.64	271.01
26 05 26 00-0049 MLF 1 AWG Aluminum Bare Single Stranded Conductor .....	788.25	326.07
26 05 26 00-0050 MLF 1/0 AWG Aluminum Bare Single Stranded Conductor .....	902.36	326.07
26 05 26 00-0051 MLF 2/0 AWG Aluminum Bare Single Stranded Conductor .....	1,022.56	410.76
26 05 26 00-0052 MLF 3/0 AWG Aluminum Bare Single Stranded Conductor .....	1,158.71	410.76
26 05 26 00-0053 MLF 4/0 AWG Aluminum Bare Single Stranded Conductor .....	1,386.11	546.27
26 05 26 00-0054 MLF 250 MCM Aluminum Bare Single Stranded Conductor .....	1,530.80	546.27
26 05 26 00-0055 MLF 300 MCM Aluminum Bare Single Stranded Conductor .....	1,750.93	630.96
26 05 26 00-0056 MLF 350 MCM Aluminum Bare Single Stranded Conductor .....	1,944.11	630.96
26 05 26 00-0057 MLF 500 MCM Aluminum Bare Single Stranded Conductor .....	2,304.21	779.17
<b>26 05 26 00-0058 Aluminum Bare Single Solid Conductors</b> <small>(26 05 26 00-0002)</small>		
26 05 26 00-0059 MLF 8 AWG Aluminum Bare Single Solid Conductor .....	491.60	224.44
26 05 26 00-0060 MLF 6 AWG Aluminum Bare Single Solid Conductor .....	530.76	224.44
26 05 26 00-0061 MLF 4 AWG Aluminum Bare Single Solid Conductor .....	590.75	271.01
26 05 26 00-0062 MLF 2 AWG Aluminum Bare Single Solid Conductor .....	709.64	271.01
26 05 26 00-0063 MLF 1 AWG Aluminum Bare Single Solid Conductor .....	754.06	431.93
26 05 26 00-0064 MLF 1/0 AWG Aluminum Bare Single Solid Conductor .....	902.36	431.93
26 05 26 00-0065 MLF 2/0 AWG Aluminum Bare Single Solid Conductor .....	937.89	410.76
26 05 26 00-0066 MLF 3/0 AWG Aluminum Bare Single Solid Conductor .....	988.23	410.76
26 05 26 00-0067 MLF 4/0 AWG Aluminum Bare Single Solid Conductor .....	1,386.11	546.27
26 05 26 00-0068 MLF 250 MCM Aluminum Bare Single Solid Conductor .....	1,530.80	546.27
26 05 26 00-0069 MLF 300 MCM Aluminum Bare Single Solid Conductor .....	1,750.93	630.96
26 05 26 00-0070 MLF 350 MCM Aluminum Bare Single Solid Conductor .....	1,944.11	630.96
26 05 26 00-0071 MLF 500 MCM Aluminum Bare Single Solid Conductor .....	2,304.21	779.17
<b>26 05 26 00-0072 Aluminum Smooth Woven Conductors</b> <small>(26 05 26 00-0002)</small>		
26 05 26 00-0073 LF 10 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	2.45	0.66
26 05 26 00-0074 LF 16 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	2.71	0.73
26 05 26 00-0075 LF 24 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	3.24	0.83
26 05 26 00-0076 LF 26 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	3.25	0.85

**26 Electrical****26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0077 LF 28 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	3.41	0.89
<b>26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap</b> <small>(26 05 26 00-0001)</small>		
Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.		
26 05 26 00-0079 EA 100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	121.85	24.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.41	
26 05 26 00-0080 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	214.52	28.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.29	
26 05 26 00-0081 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length.....	277.34	28.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.29	
26 05 26 00-0082 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length.....	339.30	28.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.29	
26 05 26 00-0083 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	289.75	31.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.61	
26 05 26 00-0084 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length.....	380.12	31.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.61	
26 05 26 00-0085 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length.....	458.64	31.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.61	
26 05 26 00-0086 EA 600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	379.61	39.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.77	
26 05 26 00-0087 EA 800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	456.38	48.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.81	
<b>26 05 26 00-0088 Bonding Jumper For Metallic Conduit</b> <small>(26 05 26 00-0001)</small>		
26 05 26 00-0089 EA 1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit.....	156.39	52.83
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.01	
26 05 26 00-0090 EA 1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit.....	192.69	52.83
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.94	
26 05 26 00-0091 EA 2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit.....	288.38	81.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.66	
26 05 26 00-0092 EA 5" To 6" Conductor, Bonding Jumper, Metallic Conduit.....	432.79	81.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.36	
<b>26 05 26 00-0093 Ground Rods</b> <small>(26 05 26)</small>		
<b>26 05 26 00-0094 Copper-Clad Ground Rods</b> <small>(26 05 26 00-0093)</small>		
26 05 26 00-0095 EA 1/2" Diameter x 8' Long Copper-Clad Ground Rods .....	85.51	72.03
26 05 26 00-0096 EA 5/8" Diameter x 8' Long Copper-Clad Ground Rods .....	89.64	72.03
26 05 26 00-0097 EA 3/4" Diameter x 8' Long Copper-Clad Ground Rods .....	106.28	72.03
26 05 26 00-0098 EA 1/2" Diameter x 10' Long Copper-Clad Ground Rods .....	100.90	72.03
26 05 26 00-0099 EA 5/8" Diameter x 10' Long Copper-Clad Ground Rods .....	106.06	72.03
26 05 26 00-0100 EA 3/4" Diameter x 10' Long Copper-Clad Ground Rods .....	126.87	72.03
<b>26 05 26 00-0101 Copper Grounding Shaft</b> <small>(26 05 26 00-0093)</small>		
26 05 26 00-0102 EA 2-1/8" Diameter x 10' Long Copper Grounding Shaft.....	322.65	72.03
26 05 26 00-0103 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft.....	404.08	72.03
26 05 26 00-0104 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft.....	640.29	72.03
<b>26 05 26 00-0105 Ground Access Wells</b> <small>(26 05 26 00-0093)</small>		
<b>26 05 26 00-0106 Precast Ground Access Wells</b> <small>(26 05 26 00-0105)</small>		
26 05 26 00-0107 EA 8" Diameter x 24" Deep Precast Ground Access Well .....	267.48	
Note: With cast iron grate.		
26 05 26 00-0108 EA 10" Diameter x 24" Deep Precast Ground Access Well .....	276.71	
Note: With cast iron grate.		
26 05 26 00-0109 EA 12" Diameter x 24" Deep Precast Ground Access Well .....	823.08	
Note: With cast iron grate.		
26 05 26 00-0110 EA 18" Diameter x 24" Deep Precast Ground Access Well .....	832.31	
Note: With cast iron grate.		
<b>26 05 26 00-0111 Polyvinyl Chloride (PVC) Ground Access Well</b> <small>(26 05 26 00-0105)</small>		
26 05 26 00-0112 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	446.51	
Note: Schedule 40 with cast iron grated cover.		
26 05 26 00-0113 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	524.37	
Note: Schedule 40 with cast iron grated cover.		
26 05 26 00-0114 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	971.53	
Note: Schedule 40 with cast iron grated cover.		
26 05 26 00-0115 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	426.91	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0116 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	500.32	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0117 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	931.83	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0118 EA 8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well .....	240.17	
Note: Schedule 40 with flat steel cover.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0119 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	256.90	
26 05 26 00-0120 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	271.35	
26 05 26 00-0121 EA 8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	185.33	
26 05 26 00-0122 EA 10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	272.71	
26 05 26 00-0123 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	479.28	
26 05 26 00-0124 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	635.84	
26 05 26 00-0125 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	386.41	
26 05 26 00-0126 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	559.94	
26 05 26 00-0127 EA 10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	591.74	
26 05 26 00-0128 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	720.78	
26 05 26 00-0129 EA 12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	320.30	
26 05 26 00-0130 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	557.53	
26 05 26 00-0131 EA 12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	600.06	
<b>26 05 26 00-0132 Polymer Concrete Ground Access Well</b> <small>(26 05 26 00-0105)</small>		
26 05 26 00-0133 EA 12" x 12" x 12" Polymer Concrete Ground Access Well.....	517.82	
26 05 26 00-0134 EA 12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well.....	568.72	
26 05 26 00-0135 EA 12" x 12" x 18" Polymer Concrete Ground Access Well.....	571.03	
26 05 26 00-0136 EA 12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	627.04	
26 05 26 00-0137 EA 12" x 12" x 24" Polymer Concrete Ground Access Well.....	626.28	
26 05 26 00-0138 EA 12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well.....	687.92	
26 05 26 00-0139 EA 13" x 24" x 18" Polymer Concrete Ground Access Well.....	838.06	
26 05 26 00-0140 EA 13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	922.21	
<b>26 05 26 00-0141 High Density Polyethylene (HDPE) Ground Access Well</b> <small>(26 05 26 00-0105)</small>		
26 05 26 00-0142 EA 9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well..... Note: With cover.	185.07	
26 05 26 00-0143 EA 14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well..... Note: With cover.	258.90	
<b>26 05 26 00-0144 Clay Tile Ground Access Wells</b> <small>(26 05 26 00-0105)</small>		
26 05 26 00-0145 EA 8" Diameter x 24" Deep Clay Tile Ground Access Well With Concrete Cover.....	293.17	
26 05 26 00-0146 EA 8" Diameter x 24" Deep Clay Tile Ground Access Well With Cast Iron Grated Cover.....	308.83	
26 05 26 00-0147 EA Concrete Cover For 8" Diameter x 24" Deep Clay Tile Ground Access Well.....	95.12	
<b>26 05 26 00-0148 Ground Rod Clamps And Fittings</b> <small>(26 05 26)</small>		
<b>26 05 26 00-0149 Bronze Ground Rod Clamp</b> <small>(26 05 26 00-0148)</small>		
26 05 26 00-0150 EA 1/2" Bronze Ground Rod Clamp.....	20.24	10.85
26 05 26 00-0151 EA 5/8" Bronze Ground Rod Clamp.....	21.28	10.85
26 05 26 00-0152 EA 3/4" Bronze Ground Rod Clamp.....	22.77	10.85
<b>26 05 26 00-0153 Bronze Pipe Clamps</b> <small>(26 05 26 00-0148)</small>		
26 05 26 00-0154 EA 1/2" To 1" Bronze Pipe Ground Clamps.....	26.78	18.06
26 05 26 00-0155 EA 1-1/4" To 2" Bronze Ground Clamps For Pipe.....	34.95	21.61
26 05 26 00-0156 EA 2-1/2" To 3" Bronze Ground Clamps For Pipe.....	56.68	25.26
26 05 26 00-0157 EA 2-1/2" To 4" Bronze Ground Clamps For Pipe.....	68.26	32.46
26 05 26 00-0158 EA 4" To 6" Bronze Ground Clamps For Pipe.....	106.37	46.87
<b>26 05 26 00-0159 Grounding Fittings</b> <small>(26 05 26 00-0148)</small>		
<b>26 05 26 00-0160 Embedded Fittings</b> <small>(26 05 26 00-0159)</small>		
26 05 26 00-0161 EA Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded.....	136.49	
26 05 26 00-0162 EA Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded.....	145.91	
26 05 26 00-0163 EA Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded.....	162.63	
26 05 26 00-0164 EA #8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice.....	128.24	
26 05 26 00-0165 EA 1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice.....	153.62	
26 05 26 00-0166 EA 4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice.....	180.36	
26 05 26 00-0167 EA 350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice.....	203.66	
<b>26 05 26 00-0168 Ground Rod Receptacle</b> <small>(26 05 26 00-0159)</small>		
26 05 26 00-0169 EA 1/2" Ground Rod Receptacle.....	295.75	99.88
26 05 26 00-0170 EA 5/8" Ground Rod Receptacle.....	309.75	102.70

**26 Electrical****26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0171 EA 3/4" Ground Rod Receptacle .....	324.05	105.49
<b>26 05 26 00-0172 Ground Kits For Circuit Breaker Panels</b> <small>(26 05 26 00-0159)</small>		
26 05 26 00-0173 EA 14-8 AWG Copper Ground Kit .....	65.77	24.01
26 05 26 00-0174 EA 12-8 AWG Aluminum Ground Kit .....	72.53	24.01
26 05 26 00-0175 EA 14-4 AWG Copper Ground Kit .....	73.69	24.01
26 05 26 00-0176 EA 12-4 AWG Aluminum Ground Kit .....	89.68	24.01
<b>26 05 26 00-0177 Insulated Grounding Bars</b> <small>(26 05 26 00-0148)</small>		
26 05 26 00-0178 EA 1/2" x 4" x 10" Insulated Ground Bar .....	283.45	24.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.22	
26 05 26 00-0179 EA Insulated Ground Bar SK 9560 1/2" x 4" x 20" .....	298.75	24.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.22	
<b>26 05 26 00-0180 Ground Conductor Bonding</b> <small>(26 05 26)</small>		
<b>26 05 26 00-0181 Ground Conductor Bonding</b> <small>(26 05 26 00-0180)</small>		
<b>26 05 26 00-0182 Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld</b> <small>(26 05 26 00-0181)</small>		
26 05 26 00-0183 EA Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel .....	115.16	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0184 EA #4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel .....	124.76	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0185 EA 1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel .....	134.37	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0186 EA 250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel .....	191.99	
Note: Includes molds, materials and all necessary tools to make connections.		
<b>26 05 26 00-0187 Tee, Wye Or Cross Cadweld</b> <small>(26 05 26 00-0181)</small>		
26 05 26 00-0188 EA Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross .....	129.57	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0189 EA #4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross .....	148.77	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0190 EA 1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross .....	182.39	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0191 EA 250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross .....	220.80	
Note: Includes molds, materials and all necessary tools to make connections.		
<b>26 05 26 00-0192 Grounding Equipment</b> <small>(26 05 26)</small>		
<b>26 05 26 00-0193 Special Grounding Equipment</b> <small>(26 05 26 00-0192)</small>		
<b>26 05 26 00-0194 Ground Reels And Ground Bus</b> <small>(26 05 26 00-0193)</small>		
26 05 26 00-0195 EA Ground Reel With 50' Of Galvanized Steel Cable .....	690.32	
<b>26 05 26 00-0196 Copper Bars</b> <small>(26 05 26 00-0193)</small>		
26 05 26 00-0197 LF 1/4" x 2" Copper Bar .....	39.43	
<b>26 05 26 00-0198 Phenolic Insulators</b> <small>(26 05 26 00-0193)</small>		
26 05 26 00-0199 EA 2" x 2" x 1" Long Phenolic Insulators .....	26.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.76	
<b>26 05 26 00-0200 Grounding Studs</b> <small>(26 05 26 00-0193)</small>		
26 05 26 00-0201 EA Ball Grounding Stud .....	37.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.60	
<b>26 05 26 00-0202 Equipment Ground Bar Kits</b> <small>(26 05 26 00-0193)</small>		
26 05 26 00-0203 EA Switch Rating 30 Ground Bar Kit .....	29.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.76	
26 05 26 00-0204 EA Switch Rating 60 Ground Bar Kit .....	38.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 26 00-0205 EA Switch Rating 100 Ground Bar Kit .....	45.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.20	
26 05 26 00-0206 EA Switch Rating 200 Ground Bar Kit .....	80.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.64	
<b>26 05 26 00-0207 Panelboard Ground Bar Kits</b> <small>(26 05 26 00-0193)</small>		
26 05 26 00-0208 EA Panelboard Ground Bar Kit .....	119.05	7.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 26 00-0209    Circuit Breaker Ground Bar Kits <small>(26 05 26 00-0193)</small></b>		
26 05 26 00-0210    EA    3 Circuit, Ground Bar Kit.....	25.06	4.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.32	
26 05 26 00-0211    EA    4 Circuit, Ground Bar Kit.....	24.57	4.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.32	
26 05 26 00-0212    EA    7 Circuit, Ground Bar Kit.....	25.39	4.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.32	
26 05 26 00-0213    EA    12 Circuit, Ground Bar Kit.....	28.78	4.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.90	
26 05 26 00-0214    EA    20 Circuit, Ground Bar Kit.....	32.83	5.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.48	
26 05 26 00-0215    EA    24 Circuit, Ground Bar Kit.....	36.23	6.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.05	
26 05 26 00-0216    EA    30 Circuit, Ground Bar Kit.....	40.42	6.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.92	
26 05 26 00-0217    EA    54 Circuit, Ground Bar Kit.....	46.73	8.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.07	
26 05 26 00-0218    EA    24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....	52.78	6.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.05	
26 05 26 00-0219    EA    30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....	58.28	6.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.92	
26 05 26 00-0220    EA    54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....	64.75	8.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.07	
 <b>26 05 29    Hangers and Supports for Electrical Systems <small>(26 05)</small></b>		
<b>26 05 29 00-0001    Metal Framing Channel And Fittings <small>(26 05 29)</small></b>		
<b>26 05 29 00-0002    Metal Framing Channel <small>(26 05 29 00-0001)</small></b>		
Note: Excludes fasteners and accessories.		
<b>26 05 29 00-0003    14 Gauge Metal Framing Channels <small>(26 05 29 00-0002)</small></b>		
<b>26 05 29 00-0004    14 Gauge, Steel Unistrut Channel <small>(26 05 29 00-0003)</small></b>		
26 05 29 00-0005    EA    Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	18.24	5.27
26 05 29 00-0006    EA    >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	21.57	5.27
26 05 29 00-0007    LF    >2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	9.92	1.98
 <b>26 05 29 00-0008    14 Gauge, 304 Stainless Steel Unistrut Channel <small>(26 05 29 00-0003)</small></b>		
26 05 29 00-0009    EA    Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	31.88	5.27
26 05 29 00-0010    EA    Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	35.48	5.27
26 05 29 00-0011    EA    >1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	48.85	5.27
26 05 29 00-0012    EA    >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	56.04	5.27
26 05 29 00-0013    LF    >2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	23.55	1.99
26 05 29 00-0014    LF    >2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	27.15	1.99
 <b>26 05 29 00-0015    14 Gauge, 316 Stainless Steel Unistrut Channel <small>(26 05 29 00-0003)</small></b>		
26 05 29 00-0016    EA    Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	47.41	5.27
26 05 29 00-0017    EA    >1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	79.92	5.27
26 05 29 00-0018    LF    >2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	39.08	1.99
 <b>26 05 29 00-0019    12 Gauge Metal Framing Channels <small>(26 05 29 00-0002)</small></b>		
<b>26 05 29 00-0020    12 Gauge, Steel Unistrut Channel <small>(26 05 29 00-0019)</small></b>		
26 05 29 00-0021    EA    Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	19.70	5.27
26 05 29 00-0022    EA    Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	19.20	5.27
26 05 29 00-0023    EA    Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	18.88	5.27
26 05 29 00-0024    EA    >1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	24.48	5.27
26 05 29 00-0025    EA    >1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	23.50	5.27
26 05 29 00-0026    EA    >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	22.86	5.27
26 05 29 00-0027    LF    >2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	11.38	1.98
26 05 29 00-0028    LF    >2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	10.88	1.98
26 05 29 00-0029    LF    >2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	10.56	1.98
 <b>26 05 29 00-0030    12 Gauge, 304 Stainless Steel Unistrut Channel <small>(26 05 29 00-0019)</small></b>		
26 05 29 00-0031    EA    Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	36.67	5.27
26 05 29 00-0032    EA    Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	42.87	5.27
26 05 29 00-0033    EA    >1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	58.43	5.27
26 05 29 00-0034    EA    >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	70.84	5.27
26 05 29 00-0035    LF    >2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	28.35	1.98
26 05 29 00-0036    LF    >2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	34.55	1.98
 <b>26 05 29 00-0037    Metal Framing Channel Fittings <small>(26 05 29 00-0001)</small></b>		
<b>26 05 29 00-0038    Unistrut Channel Closure Strips And Caps <small>(26 05 29 00-0037)</small></b>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 29 00-0039 Steel Unistrut Channel Closure Strips And Caps</b> (26 05 29 00-0038)		
26 05 29 00-0040 LF Steel Raceway Closure Strip, Unistrut Channel Fittings .....	5.93	0.48
26 05 29 00-0041 EA Steel End Cap, Unistrut Channel Fittings.....	11.59	4.81
<b>26 05 29 00-0042 Stainless Steel Unistrut Channel Closure Strips And Caps</b> (26 05 29 00-0038)		
26 05 29 00-0043 EA Stainless Steel End Cap For Unistrut Channel .....	18.92	4.81
<b>26 05 29 00-0044 Flat Splice Plate, Unistrut Channel Fittings</b> (26 05 29 00-0037)		
<b>26 05 29 00-0045 Steel Flat Splice Plate, Unistrut Channel Fittings</b> (26 05 29 00-0044)		
26 05 29 00-0046 EA 2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	5.78	
26 05 29 00-0047 EA 3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	5.74	
26 05 29 00-0048 EA 4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	7.02	
<b>26 05 29 00-0049 Stainless Steel Flat Splice Plate, Unistrut Channel Fittings</b> (26 05 29 00-0044)		
26 05 29 00-0050 EA 2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting .....	17.02	
26 05 29 00-0051 EA 3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting .....	25.46	
26 05 29 00-0052 EA 4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting .....	32.60	
<b>26 05 29 00-0053 90 Degree Angle, Unistrut Channel Fittings</b> (26 05 29 00-0037)		
<b>26 05 29 00-0054 Steel 90 Degree Angle, Unistrut Channel Fittings</b> (26 05 29 00-0053)		
26 05 29 00-0055 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting.....	5.58	
26 05 29 00-0056 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting .....	4.64	
26 05 29 00-0057 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting .....	8.15	
26 05 29 00-0058 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting .....	8.04	
<b>26 05 29 00-0059 Stainless Steel 90 Degree Angle, Unistrut Channel Fittings</b> (26 05 29 00-0053)		
26 05 29 00-0060 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....	9.62	
26 05 29 00-0061 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting .....	12.10	
26 05 29 00-0062 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....	10.22	
26 05 29 00-0063 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting .....	14.63	
26 05 29 00-0064 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....	13.35	
26 05 29 00-0065 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	24.87	
26 05 29 00-0066 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....	14.05	
26 05 29 00-0067 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting .....	20.50	
<b>26 05 29 00-0068 60 Degree Angle, Unistrut Channel Fittings</b> (26 05 29 00-0037)		
<b>26 05 29 00-0069 Steel 60 Degree Angle, Unistrut Channel Fittings</b> (26 05 29 00-0068)		
26 05 29 00-0070 EA 2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting .....	11.74	
<b>26 05 29 00-0071 U-Connector, Unistrut Channel Fittings</b> (26 05 29 00-0037)		
<b>26 05 29 00-0072 Steel, U-Connector, Unistrut Channel Fittings</b> (26 05 29 00-0071)		
26 05 29 00-0073 EA 3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting .....	4.03	
26 05 29 00-0074 EA 5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting.....	4.52	
<b>26 05 29 00-0075 Stainless Steel, U-Connector, Unistrut Channel Fittings</b> (26 05 29 00-0071)		
26 05 29 00-0076 EA 5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting.....	20.35	
<b>26 05 29 00-0077 Z-Bracket, Unistrut Channel Fittings</b> (26 05 29 00-0037)		
<b>26 05 29 00-0078 Steel Z-Bracket, Unistrut Channel Fittings</b> (26 05 29 00-0077)		
26 05 29 00-0079 EA 3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting .....	12.05	
<b>26 05 29 00-0080 Stainless Steel Z-Bracket, Unistrut Channel Fittings</b> (26 05 29 00-0077)		
26 05 29 00-0081 EA 3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting.....	39.86	
<b>26 05 29 00-0082 Standard Pipe And Rigid Conduit Clamps For Unistrut Channel</b> (26 05 29 00-0037)		
Note: Includes hex screw and nut.		
<b>26 05 29 00-0083 Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel</b> (26 05 29 00-0082)		
Note: Includes hex screw and nut.		
26 05 29 00-0084 EA 1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	4.26	1.45
26 05 29 00-0085 EA 3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	4.28	1.45
26 05 29 00-0086 EA 1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	4.39	1.45
26 05 29 00-0087 EA 1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	5.51	1.93
26 05 29 00-0088 EA 1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	6.07	1.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0089 EA 2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	6.13	1.93
26 05 29 00-0090 EA 2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	7.49	2.40
26 05 29 00-0091 EA 3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	7.99	2.40
26 05 29 00-0092 EA 3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	8.47	2.40
26 05 29 00-0093 EA 4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	8.64	2.40
<b>26 05 29 00-0094</b> <b>304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel</b> <small>(26 05 29 00-0082)</small>		
Note: Includes hex screw and nut.		
26 05 29 00-0095 EA 1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	7.41	1.45
26 05 29 00-0096 EA 3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	8.35	1.45
26 05 29 00-0097 EA 1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	9.29	1.45
26 05 29 00-0098 EA 1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	11.50	1.93
26 05 29 00-0099 EA 1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	14.11	1.93
26 05 29 00-0100 EA 2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	14.80	1.93
26 05 29 00-0101 EA 2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	17.72	2.40
26 05 29 00-0102 EA 3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	20.05	2.40
26 05 29 00-0103 EA 3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	21.05	2.40
26 05 29 00-0104 EA 4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	24.74	2.40
<b>26 05 29 00-0105</b> <b>316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel</b> <small>(26 05 29 00-0082)</small>		
Note: Includes hex screw and nut.		
26 05 29 00-0106 EA 1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	7.98	1.45
26 05 29 00-0107 EA 3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	9.31	1.45
26 05 29 00-0108 EA 1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	9.69	1.45
26 05 29 00-0109 EA 1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	11.68	1.93
26 05 29 00-0110 EA 1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	16.26	1.93
26 05 29 00-0111 EA 2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	16.49	1.93
26 05 29 00-0112 EA 2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	19.49	2.40
26 05 29 00-0113 EA 3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	20.67	2.40
26 05 29 00-0114 EA 3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	29.10	2.40
26 05 29 00-0115 EA 4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	34.25	2.40
<b>26 05 29 00-0116</b> <b>Beam Clamps, Unistrut Channel Fittings</b> <small>(26 05 29 00-0037)</small>		
<b>26 05 29 00-0117</b> <b>Steel Beam Clamps, Unistrut Channel Fittings</b> <small>(26 05 29 00-0116)</small>		
26 05 29 00-0118 EA Set Screw Beam Clamp, Steel Unistrut Channel Fitting .....	32.04	8.77
26 05 29 00-0119 EA "C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings .....	20.88	8.77
26 05 29 00-0120 EA "U" Bolt Beam Clamp, Steel Unistrut Channel Fitting .....	30.91	8.77
<b>26 05 29 00-0121</b> <b>304 Stainless Steel Beam Clamps, Unistrut Channel Fittings</b> <small>(26 05 29 00-0116)</small>		
26 05 29 00-0122 EA "U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting .....	45.42	8.77
<b>26 05 29 00-0123</b> <b>Square Washers For Unistrut Channel</b> <small>(26 05 29 00-0037)</small>		
<b>26 05 29 00-0124</b> <b>Steel Square Washers For Unistrut Channel</b> <small>(26 05 29 00-0123)</small>		
26 05 29 00-0125 EA 1/2" Bolt Size, Steel, Square Washer For Unistrut Channel .....	4.06	
<b>26 05 29 00-0126</b> <b>Stainless Steel Square Washers For Unistrut Channel</b> <small>(26 05 29 00-0123)</small>		
26 05 29 00-0127 EA 1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel .....	4.68	
26 05 29 00-0128 EA 1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel .....	5.97	
<b>26 05 29 00-0129</b> <b>Strut Braces, Unistrut Channel Fittings</b> <small>(26 05 29 00-0037)</small>		
26 05 29 00-0130 EA 16" Diagonal Steel Bar Brace For Unistrut Channel .....	33.42	
<b>26 05 29 00-0131</b> <b>Trolley Hangers, Unistrut Channel Fittings</b> <small>(26 05 29 00-0037)</small>		
26 05 29 00-0132 EA Steel Trolley Track Hanger For Unistrut Channel .....	41.43	
<b>26 05 29 00-0133</b> <b>Lock Nuts With Spring For Unistrut Channel</b> <small>(26 05 29 00-0037)</small>		
Note: Includes hex bolt.		
<b>26 05 29 00-0134</b> <b>Steel Lock Nuts With Spring For Unistrut Channel</b> <small>(26 05 29 00-0133)</small>		
Note: Includes hex bolt.		
26 05 29 00-0135 EA 1/4-20, Steel Lock Nut With Spring For Unistrut Channel .....	6.73	
26 05 29 00-0136 EA 3/8-16, Steel Lock Nut With Spring For Unistrut Channel .....	7.41	
26 05 29 00-0137 EA 1/2-13, Steel Lock Nut With Spring For Unistrut Channel .....	7.92	
26 05 29 00-0138 EA 5/8-11, Steel Lock Nut With Spring For Unistrut Channel .....	10.68	

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 MINOR  
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 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 29 00-0139	<b>Stainless Steel Lock Nuts With Spring For Unistrut Channel</b> <small>(26 05 29 00-0133)</small>			
	Note: Includes hex bolt.			
26 05 29 00-0140	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	14.17	
26 05 29 00-0141	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	15.04	
26 05 29 00-0142	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	21.07	
26 05 29 00-0143	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	35.65	
26 05 29 00-0144	<b>Lock Nuts Without Spring For Unistrut Channel</b> <small>(26 05 29 00-0037)</small>			
	Note: Includes hex bolt.			
26 05 29 00-0145	<b>Steel Lock Nuts Without Spring For Unistrut Channel</b> <small>(26 05 29 00-0144)</small>			
	Note: Includes hex bolt.			
26 05 29 00-0146	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel.....	6.75	
26 05 29 00-0147	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel.....	7.51	
26 05 29 00-0148	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel.....	7.96	
26 05 29 00-0149	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel.....	11.48	
26 05 29 00-0150	<b>Stainless Steel Lock Nuts Without Spring For Unistrut Channel</b> <small>(26 05 29 00-0144)</small>			
	Note: Includes hex bolt.			
26 05 29 00-0151	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	10.31	
26 05 29 00-0152	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	12.31	
26 05 29 00-0153	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	13.37	
26 05 29 00-0154	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	34.75	
26 05 29 00-0155	<b>Mounting Assemblies</b> <small>(26 05 29)</small>			
26 05 29 00-0156	<b>Galvanized Steel Mounting Assemblies</b> <small>(26 05 29 00-0155)</small>			
26 05 29 00-0157	<b>Galvanized Steel Back Plate</b> <small>(26 05 29 00-0156)</small>			
26 05 29 00-0158	EA	1/4" x 4' x 4', Galvanized Steel Back Plate, Painted.....	504.59	57.62
26 05 29 00-0159	EA	3/8" x 14" x 16", Galvanized Steel Back Plate, Painted.....	121.47	19.20
26 05 29 00-0160	EA	3/16" x 30" x 48", Galvanized Steel Back Plate, Painted.....	307.99	48.02
26 05 29 00-0161	<b>Aluminum Mounting Assemblies</b> <small>(26 05 29 00-0155)</small>			
26 05 29 00-0162	<b>Aluminum Back Plate</b> <small>(26 05 29 00-0161)</small>			
26 05 29 00-0163	EA	3/16" x 2' x 2' Aluminum Back Plate.....	408.29	72.03
26 05 29 00-0164	EA	3/16" x 4' x 4' Aluminum Back Plate.....	1,211.85	72.03
26 05 29 00-0165	<b>Supports</b> <small>(26 05 29)</small>			
26 05 29 00-0166	<b>One Hole Steel Conduit Straps</b> <small>(26 05 29 00-0165)</small>			
26 05 29 00-0167	EA	1/2", One Hole Steel Conduit Strap.....	3.58	
		<i>For Work In Restricted Working Space, Add</i>	0.92	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
		<i>For &gt;50 To 100, Deduct</i>	-0.17	
		<i>For &gt;100 To 250, Deduct</i>	-0.33	
		<i>For &gt;250 To 500, Deduct</i>	-0.65	
		<i>For &gt;500, Deduct</i>	-0.97	
26 05 29 00-0168	EA	3/4", One Hole Steel Conduit Strap.....	3.63	
		<i>For Work In Restricted Working Space, Add</i>	0.92	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
		<i>For &gt;50 To 100, Deduct</i>	-0.17	
		<i>For &gt;100 To 250, Deduct</i>	-0.34	
		<i>For &gt;250 To 500, Deduct</i>	-0.66	
		<i>For &gt;500, Deduct</i>	-0.98	
26 05 29 00-0169	EA	1", One Hole Steel Conduit Strap.....	3.87	
		<i>For Work In Restricted Working Space, Add</i>	0.92	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
		<i>For &gt;50 To 100, Deduct</i>	-0.17	
		<i>For &gt;100 To 250, Deduct</i>	-0.35	
		<i>For &gt;250 To 500, Deduct</i>	-0.67	
		<i>For &gt;500, Deduct</i>	-1.00	
26 05 29 00-0170	EA	1-1/4", One Hole Steel Conduit Strap.....	4.05	
		<i>For Work In Restricted Working Space, Add</i>	0.92	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
		<i>For &gt;50 To 100, Deduct</i>	-0.18	
		<i>For &gt;100 To 250, Deduct</i>	-0.36	
		<i>For &gt;250 To 500, Deduct</i>	-0.69	
		<i>For &gt;500, Deduct</i>	-1.02	
26 05 29 00-0171	EA	1-1/2", One Hole Steel Conduit Strap.....	4.17	
		<i>For Work In Restricted Working Space, Add</i>	0.92	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
		<i>For &gt;50 To 100, Deduct</i>	-0.18	
		<i>For &gt;100 To 250, Deduct</i>	-0.36	
		<i>For &gt;250 To 500, Deduct</i>	-0.70	
		<i>For &gt;500, Deduct</i>	-1.03	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0172 EA 2", One Hole Steel Conduit Strap ..... 4.90		
<i>For Work In Restricted Working Space, Add</i>	0.92	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
<i>For &gt;50 To 100, Deduct</i>	-0.20	
<i>For &gt;100 To 250, Deduct</i>	-0.40	
<i>For &gt;250 To 500, Deduct</i>	-0.75	
<i>For &gt;500, Deduct</i>	-1.10	
26 05 29 00-0173 EA 2-1/2", One Hole Steel Conduit Strap ..... 5.64		
<i>For Work In Restricted Working Space, Add</i>	0.92	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
<i>For &gt;50 To 100, Deduct</i>	-0.22	
<i>For &gt;100 To 250, Deduct</i>	-0.44	
<i>For &gt;250 To 500, Deduct</i>	-0.81	
<i>For &gt;500, Deduct</i>	-1.18	
26 05 29 00-0174 EA 3", One Hole Steel Conduit Strap ..... 5.89		
<i>For Work In Restricted Working Space, Add</i>	0.92	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
<i>For &gt;50 To 100, Deduct</i>	-0.22	
<i>For &gt;100 To 250, Deduct</i>	-0.45	
<i>For &gt;250 To 500, Deduct</i>	-0.83	
<i>For &gt;500, Deduct</i>	-1.20	
26 05 29 00-0175 EA 3-1/2", One Hole Steel Conduit Strap ..... 7.12		
<i>For Work In Restricted Working Space, Add</i>	0.92	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
<i>For &gt;50 To 100, Deduct</i>	-0.25	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.92	
<i>For &gt;500, Deduct</i>	-1.33	
26 05 29 00-0176 EA 4", One Hole Steel Conduit Strap ..... 8.09		
<i>For Work In Restricted Working Space, Add</i>	0.92	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
<i>For &gt;50 To 100, Deduct</i>	-0.28	
<i>For &gt;100 To 250, Deduct</i>	-0.56	
<i>For &gt;250 To 500, Deduct</i>	-0.99	
<i>For &gt;500, Deduct</i>	-1.42	
<b>26 05 29 00-0177 One Hole Iron Conduit Straps (26 05 29 00-0165) ..... 3.70</b>		
26 05 29 00-0178 EA 1/2", One Hole Iron Conduit Strap ..... 3.70		
<i>For Work In Restricted Working Space, Add</i>	0.92	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
<i>For &gt;50 To 100, Deduct</i>	-0.17	
<i>For &gt;100 To 250, Deduct</i>	-0.34	
<i>For &gt;250 To 500, Deduct</i>	-0.66	
<i>For &gt;500, Deduct</i>	-0.98	
26 05 29 00-0179 EA 3/4", One Hole Iron Conduit Strap ..... 3.82		
<i>For Work In Restricted Working Space, Add</i>	0.92	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
<i>For &gt;50 To 100, Deduct</i>	-0.17	
<i>For &gt;100 To 250, Deduct</i>	-0.34	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-1.00	
26 05 29 00-0180 EA 1", One Hole Iron Conduit Strap ..... 4.03		
<i>For Work In Restricted Working Space, Add</i>	0.92	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
<i>For &gt;50 To 100, Deduct</i>	-0.18	
<i>For &gt;100 To 250, Deduct</i>	-0.36	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-1.02	
26 05 29 00-0181 EA 1-1/4", One Hole Iron Conduit Strap ..... 4.54		
<i>For Work In Restricted Working Space, Add</i>	0.92	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
<i>For &gt;50 To 100, Deduct</i>	-0.19	
<i>For &gt;100 To 250, Deduct</i>	-0.38	
<i>For &gt;250 To 500, Deduct</i>	-0.72	
<i>For &gt;500, Deduct</i>	-1.07	
26 05 29 00-0182 EA 1-1/2", One Hole Iron Conduit Strap ..... 4.74		
<i>For Work In Restricted Working Space, Add</i>	0.92	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
<i>For &gt;50 To 100, Deduct</i>	-0.20	
<i>For &gt;100 To 250, Deduct</i>	-0.39	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-1.09	
26 05 29 00-0183 EA 2", One Hole Iron Conduit Strap ..... 6.03		
<i>For Work In Restricted Working Space, Add</i>	0.92	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
<i>For &gt;50 To 100, Deduct</i>	-0.23	
<i>For &gt;100 To 250, Deduct</i>	-0.46	
<i>For &gt;250 To 500, Deduct</i>	-0.84	
<i>For &gt;500, Deduct</i>	-1.22	
26 05 29 00-0184 EA 2-1/2", One Hole Iron Conduit Strap ..... 8.81		
<i>For Work In Restricted Working Space, Add</i>	0.92	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
<i>For &gt;50 To 100, Deduct</i>	-0.30	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-1.04	
<i>For &gt;500, Deduct</i>	-1.50	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0185	EA	3"	One Hole Iron Conduit Strap .....	11.12	
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For &gt;50 To 100, Deduct</i>	-0.35	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-1.22	
			<i>For &gt;500, Deduct</i>	-1.73	
26 05 29 00-0186	EA	3-1/2"	One Hole Iron Conduit Strap .....	14.50	
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For &gt;50 To 100, Deduct</i>	-0.44	
			<i>For &gt;100 To 250, Deduct</i>	-0.88	
			<i>For &gt;250 To 500, Deduct</i>	-1.47	
			<i>For &gt;500, Deduct</i>	-2.06	
26 05 29 00-0187	EA	4"	One Hole Iron Conduit Strap .....	28.03	
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For &gt;50 To 100, Deduct</i>	-0.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.56	
			<i>For &gt;250 To 500, Deduct</i>	-2.49	
			<i>For &gt;500, Deduct</i>	-3.42	
26 05 29 00-0188	EA	5"	One Hole Iron Conduit Strap .....	35.31	
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For &gt;50 To 100, Deduct</i>	-0.96	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-3.03	
			<i>For &gt;500, Deduct</i>	-4.15	
<b>26 05 29 00-0189</b>			<b>Two Hole Steel Conduit Straps</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0190	EA	1/2"	Two Hole Steel Conduit Strap .....	4.20	
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For &gt;50 To 100, Deduct</i>	-0.19	
			<i>For &gt;100 To 250, Deduct</i>	-0.38	
			<i>For &gt;250 To 500, Deduct</i>	-0.75	
			<i>For &gt;500, Deduct</i>	-1.11	
26 05 29 00-0191	EA	3/4"	Two Hole Steel Conduit Strap .....	4.28	
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For &gt;50 To 100, Deduct</i>	-0.19	
			<i>For &gt;100 To 250, Deduct</i>	-0.39	
			<i>For &gt;250 To 500, Deduct</i>	-0.75	
			<i>For &gt;500, Deduct</i>	-1.12	
26 05 29 00-0192	EA	1"	Two Hole Steel Conduit Strap .....	4.32	
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For &gt;50 To 100, Deduct</i>	-0.19	
			<i>For &gt;100 To 250, Deduct</i>	-0.39	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-1.12	
26 05 29 00-0193	EA	1-1/4"	Two Hole Steel Conduit Strap .....	4.38	
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For &gt;50 To 100, Deduct</i>	-0.20	
			<i>For &gt;100 To 250, Deduct</i>	-0.39	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-1.13	
26 05 29 00-0194	EA	1-1/2"	Two Hole Steel Conduit Strap .....	4.42	
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For &gt;50 To 100, Deduct</i>	-0.20	
			<i>For &gt;100 To 250, Deduct</i>	-0.39	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-1.13	
26 05 29 00-0195	EA	2"	Two Hole Steel Conduit Strap .....	4.51	
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For &gt;50 To 100, Deduct</i>	-0.20	
			<i>For &gt;100 To 250, Deduct</i>	-0.40	
			<i>For &gt;250 To 500, Deduct</i>	-0.77	
			<i>For &gt;500, Deduct</i>	-1.14	
26 05 29 00-0196	EA	2-1/2"	Two Hole Steel Conduit Strap .....	5.07	
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For &gt;50 To 100, Deduct</i>	-0.21	
			<i>For &gt;100 To 250, Deduct</i>	-0.43	
			<i>For &gt;250 To 500, Deduct</i>	-0.81	
			<i>For &gt;500, Deduct</i>	-1.20	
26 05 29 00-0197	EA	3"	Two Hole Steel Conduit Strap .....	5.19	
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For &gt;50 To 100, Deduct</i>	-0.22	
			<i>For &gt;100 To 250, Deduct</i>	-0.43	
			<i>For &gt;250 To 500, Deduct</i>	-0.82	
			<i>For &gt;500, Deduct</i>	-1.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0198 EA 3-1/2", Two Hole Steel Conduit Strap .....5.63		
<i>For Work In Restricted Working Space, Add</i>	1.04	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
<i>For &gt;50 To 100, Deduct</i>	-0.23	
<i>For &gt;100 To 250, Deduct</i>	-0.45	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;500, Deduct</i>	-1.26	
26 05 29 00-0199 EA 4", Two Hole Steel Conduit Strap .....5.93		
<i>For Work In Restricted Working Space, Add</i>	1.04	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
<i>For &gt;50 To 100, Deduct</i>	-0.23	
<i>For &gt;100 To 250, Deduct</i>	-0.47	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.29	
26 05 29 00-0200 EA 5", Two Hole Steel Conduit Strap .....6.33		
<i>For Work In Restricted Working Space, Add</i>	1.04	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
<i>For &gt;50 To 100, Deduct</i>	-0.24	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.91	
<i>For &gt;500, Deduct</i>	-1.33	
<b>26 05 29 00-0201 Clamp Back Spacers (26 05 29 00-0165)</b>		
26 05 29 00-0202 EA 1/2" Conduit, Clamp Back Spacer.....3.35		
<i>For Work In Restricted Working Space, Add</i>	0.72	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
<i>For &gt;50 To 100, Deduct</i>	-0.14	
<i>For &gt;100 To 250, Deduct</i>	-0.29	
<i>For &gt;250 To 500, Deduct</i>	-0.55	
<i>For &gt;500, Deduct</i>	-0.82	
26 05 29 00-0203 EA 3/4" Conduit, Clamp Back Spacer.....3.65		
<i>For Work In Restricted Working Space, Add</i>	0.72	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
<i>For &gt;50 To 100, Deduct</i>	-0.15	
<i>For &gt;100 To 250, Deduct</i>	-0.30	
<i>For &gt;250 To 500, Deduct</i>	-0.57	
<i>For &gt;500, Deduct</i>	-0.85	
26 05 29 00-0204 EA 1" Conduit, Clamp Back Spacer.....3.92		
<i>For Work In Restricted Working Space, Add</i>	0.72	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
<i>For &gt;50 To 100, Deduct</i>	-0.16	
<i>For &gt;100 To 250, Deduct</i>	-0.32	
<i>For &gt;250 To 500, Deduct</i>	-0.59	
<i>For &gt;500, Deduct</i>	-0.87	
26 05 29 00-0205 EA 1-1/4" Conduit, Clamp Back Spacer .....5.01		
<i>For Work In Restricted Working Space, Add</i>	0.72	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
<i>For &gt;50 To 100, Deduct</i>	-0.19	
<i>For &gt;100 To 250, Deduct</i>	-0.37	
<i>For &gt;250 To 500, Deduct</i>	-0.68	
<i>For &gt;500, Deduct</i>	-0.98	
26 05 29 00-0206 EA 1-1/2" Conduit, Clamp Back Spacer .....5.88		
<i>For Work In Restricted Working Space, Add</i>	0.72	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
<i>For &gt;50 To 100, Deduct</i>	-0.21	
<i>For &gt;100 To 250, Deduct</i>	-0.41	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-1.07	
26 05 29 00-0207 EA 2" Conduit, Clamp Back Spacer.....6.80		
<i>For Work In Restricted Working Space, Add</i>	0.72	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
<i>For &gt;50 To 100, Deduct</i>	-0.23	
<i>For &gt;100 To 250, Deduct</i>	-0.46	
<i>For &gt;250 To 500, Deduct</i>	-0.81	
<i>For &gt;500, Deduct</i>	-1.16	
26 05 29 00-0208 EA 2-1/2" Conduit, Clamp Back Spacer .....10.53		
<i>For Work In Restricted Working Space, Add</i>	0.72	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
<i>For &gt;50 To 100, Deduct</i>	-0.32	
<i>For &gt;100 To 250, Deduct</i>	-0.65	
<i>For &gt;250 To 500, Deduct</i>	-1.09	
<i>For &gt;500, Deduct</i>	-1.53	
26 05 29 00-0209 EA 3" Conduit, Clamp Back Spacer.....14.98		
<i>For Work In Restricted Working Space, Add</i>	0.72	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
<i>For &gt;50 To 100, Deduct</i>	-0.43	
<i>For &gt;100 To 250, Deduct</i>	-0.87	
<i>For &gt;250 To 500, Deduct</i>	-1.42	
<i>For &gt;500, Deduct</i>	-1.98	
26 05 29 00-0210 EA 3-1/2" Conduit, Clamp Back Spacer .....19.30		
<i>For Work In Restricted Working Space, Add</i>	0.72	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
<i>For &gt;50 To 100, Deduct</i>	-0.54	
<i>For &gt;100 To 250, Deduct</i>	-1.09	
<i>For &gt;250 To 500, Deduct</i>	-1.75	
<i>For &gt;500, Deduct</i>	-2.41	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0211	EA		4" Conduit, Clamp Back Spacer.....	39.60	
			<i>For Work In Restricted Working Space, Add</i>	0.72	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
			<i>For &gt;50 To 100, Deduct</i>	-1.05	
			<i>For &gt;100 To 250, Deduct</i>	-2.10	
			<i>For &gt;250 To 500, Deduct</i>	-3.27	
			<i>For &gt;500, Deduct</i>	-4.44	
26 05 29 00-0212	EA		5" Conduit, Clamp Back Spacer.....	73.87	
			<i>For Work In Restricted Working Space, Add</i>	0.72	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
			<i>For &gt;50 To 100, Deduct</i>	-1.91	
			<i>For &gt;100 To 250, Deduct</i>	-3.81	
			<i>For &gt;250 To 500, Deduct</i>	-5.84	
			<i>For &gt;500, Deduct</i>	-7.87	
<b>26 05 29 00-0213</b>			<b>Conduit Clips</b> <small>(26 05 29 00-0165)</small>		
			Note: Push in or clip.		
26 05 29 00-0214	EA		1/2" Conduit Clip.....	4.19	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For &gt;50 To 100, Deduct</i>	-0.18	
			<i>For &gt;100 To 250, Deduct</i>	-0.36	
			<i>For &gt;250 To 500, Deduct</i>	-0.70	
			<i>For &gt;500, Deduct</i>	-1.03	
26 05 29 00-0215	EA		3/4" Conduit Clip.....	4.19	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For &gt;50 To 100, Deduct</i>	-0.18	
			<i>For &gt;100 To 250, Deduct</i>	-0.36	
			<i>For &gt;250 To 500, Deduct</i>	-0.70	
			<i>For &gt;500, Deduct</i>	-1.03	
26 05 29 00-0216	EA		1" Conduit Clip.....	4.10	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For &gt;50 To 100, Deduct</i>	-0.18	
			<i>For &gt;100 To 250, Deduct</i>	-0.36	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;500, Deduct</i>	-1.02	
26 05 29 00-0217	EA		1-1/4" Conduit Clip.....	4.32	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For &gt;50 To 100, Deduct</i>	-0.18	
			<i>For &gt;100 To 250, Deduct</i>	-0.37	
			<i>For &gt;250 To 500, Deduct</i>	-0.71	
			<i>For &gt;500, Deduct</i>	-1.05	
<b>26 05 29 00-0218</b>			<b>Bolt And Nut Conduit Clips</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0219	EA		3/4" Bolt And Nut Conduit Clip (Minerallac 1B).....	5.20	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.06	
			<i>For &gt;50 To 100, Deduct</i>	-0.23	
			<i>For &gt;100 To 250, Deduct</i>	-0.45	
			<i>For &gt;250 To 500, Deduct</i>	-0.87	
			<i>For &gt;500, Deduct</i>	-1.29	
26 05 29 00-0220	EA		1" Bolt And Nut Conduit Clip (Minerallac 2B).....	5.42	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.06	
			<i>For &gt;50 To 100, Deduct</i>	-0.23	
			<i>For &gt;100 To 250, Deduct</i>	-0.46	
			<i>For &gt;250 To 500, Deduct</i>	-0.89	
			<i>For &gt;500, Deduct</i>	-1.31	
26 05 29 00-0221	EA		1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B).....	5.78	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.12	
			<i>For &gt;50 To 100, Deduct</i>	-0.25	
			<i>For &gt;100 To 250, Deduct</i>	-0.49	
			<i>For &gt;250 To 500, Deduct</i>	-0.94	
			<i>For &gt;500, Deduct</i>	-1.39	
26 05 29 00-0222	EA		1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B).....	5.90	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.12	
			<i>For &gt;50 To 100, Deduct</i>	-0.25	
			<i>For &gt;100 To 250, Deduct</i>	-0.50	
			<i>For &gt;250 To 500, Deduct</i>	-0.95	
			<i>For &gt;500, Deduct</i>	-1.41	
26 05 29 00-0223	EA		2" Bolt And Nut Conduit Clip (Minerallac 5B).....	6.73	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.12	
			<i>For &gt;50 To 100, Deduct</i>	-0.27	
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-1.01	
			<i>For &gt;500, Deduct</i>	-1.49	
26 05 29 00-0224	EA		2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B).....	7.32	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
			<i>For &gt;50 To 100, Deduct</i>	-0.29	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.09	
			<i>For &gt;500, Deduct</i>	-1.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0225 EA 3" Bolt And Nut Conduit Clip (Minerallac 7B).....	8.06	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
For >50 To 100, Deduct	-0.31	
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-1.14	
For >500, Deduct	-1.67	
26 05 29 00-0226 EA 4" Bolt And Nut Conduit Clip (Minerallac 9B).....	15.46	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.30	
For >50 To 100, Deduct	-0.51	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.76	
For >500, Deduct	-2.51	
<b>26 05 29 00-0227 Conduit Hanger From Flange, Wire Or Rod</b> <small>(26 05 29 00-0165)</small>		
Note: Bat wing.		
26 05 29 00-0228 EA 1/2", Conduit Hanger From Flange, Wire Or Rod.....	3.01	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.68	
For >50 To 100, Deduct	-0.13	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.51	
For >500, Deduct	-0.76	
26 05 29 00-0229 EA 3/4", Conduit Hanger From Flange, Wire Or Rod.....	3.07	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.68	
For >50 To 100, Deduct	-0.13	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.52	
For >500, Deduct	-0.77	
26 05 29 00-0230 EA 1", Conduit Hanger From Flange, Wire Or Rod.....	3.23	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.68	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.53	
For >500, Deduct	-0.79	
26 05 29 00-0231 EA 1-1/4", Conduit Hanger From Flange, Wire Or Rod.....	3.65	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.68	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.56	
For >500, Deduct	-0.83	
<b>26 05 29 00-0232 Beam Flange Clamps</b> <small>(26 05 29 00-0165)</small>		
Note: For threaded rod, nut not required.		
26 05 29 00-0233 EA 1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24).....	4.72	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.65	
For >500, Deduct	-0.95	
26 05 29 00-0234 EA 5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58).....	4.62	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.65	
For >500, Deduct	-0.94	
26 05 29 00-0235 EA 9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912).....	5.26	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.69	
For >500, Deduct	-1.01	
<b>26 05 29 00-0236 T-Bar Support Clips</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0237 EA 9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95).....	7.62	
For >50 To 100, Deduct	-0.31	
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-1.17	
For >500, Deduct	-1.72	
26 05 29 00-0238 EA 15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS).....	7.12	
For >50 To 100, Deduct	-0.30	
For >100 To 250, Deduct	-0.60	
For >250 To 500, Deduct	-1.13	
For >500, Deduct	-1.67	
26 05 29 00-0239 EA 15/16" Grid Size, Twist On T-Bar Support Clip (Caddy 4G16).....	2.93	
For >50 To 100, Deduct	-0.10	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.37	
For >500, Deduct	-0.53	
26 05 29 00-0240 EA 24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512).....	26.78	
For >50 To 100, Deduct	-0.72	
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-2.25	
For >500, Deduct	-3.06	
<b>26 05 29 00-0241 Switch And Outlet Box Type Supports</b> <small>(26 05 29 00-0165)</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0242	EA		1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS) .....	6.17	
			<i>For &gt;50 To 100, Deduct</i>	-0.20	
			<i>For &gt;100 To 250, Deduct</i>	-0.41	
			<i>For &gt;250 To 500, Deduct</i>	-0.70	
			<i>For &gt;500, Deduct</i>	-1.00	
26 05 29 00-0243	EA		1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500) .....	5.13	
			<i>For &gt;50 To 100, Deduct</i>	-0.18	
			<i>For &gt;100 To 250, Deduct</i>	-0.35	
			<i>For &gt;250 To 500, Deduct</i>	-0.63	
			<i>For &gt;500, Deduct</i>	-0.90	
26 05 29 00-0244	EA		Flush, Riveted Switch And Outlet Box Support (Caddy MFO) .....	6.02	
			<i>For &gt;50 To 100, Deduct</i>	-0.20	
			<i>For &gt;100 To 250, Deduct</i>	-0.40	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;500, Deduct</i>	-0.99	
26 05 29 00-0245	EA		Snap On, Switch And Outlet Box Support (Caddy MSF) .....	3.64	
			<i>For &gt;50 To 100, Deduct</i>	-0.14	
			<i>For &gt;100 To 250, Deduct</i>	-0.28	
			<i>For &gt;250 To 500, Deduct</i>	-0.51	
			<i>For &gt;500, Deduct</i>	-0.75	
26 05 29 00-0246	EA		1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI) .....	3.83	
			<i>For &gt;50 To 100, Deduct</i>	-0.14	
			<i>For &gt;100 To 250, Deduct</i>	-0.29	
			<i>For &gt;250 To 500, Deduct</i>	-0.53	
			<i>For &gt;500, Deduct</i>	-0.77	
<b>26 05 29 00-0247</b>			<b>Lighting Fixture Hanger</b> <small>(26 05 29 00-0165)</small>		
			Note: For existing or owner furnished fixtures.		
26 05 29 00-0248	EA		Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515) .....	4.86	
			<i>For &gt;50 To 100, Deduct</i>	-0.22	
			<i>For &gt;100 To 250, Deduct</i>	-0.44	
			<i>For &gt;250 To 500, Deduct</i>	-0.84	
			<i>For &gt;500, Deduct</i>	-1.25	
26 05 29 00-0249	PR		Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517) .....	20.37	
			<i>For &gt;50 To 100, Deduct</i>	-0.61	
			<i>For &gt;100 To 250, Deduct</i>	-1.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.81	
26 05 29 00-0250	PR		Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520) .....	28.52	
			<i>For &gt;50 To 100, Deduct</i>	-0.81	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.62	
			<i>For &gt;500, Deduct</i>	-3.62	
<b>26 05 29 00-0251</b>			<b>Rigid Steel Conduit Clamps For Unistrut Channel</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0252	EA		1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	4.26	
			<i>For &gt;50 To 100, Deduct</i>	-0.18	
			<i>For &gt;100 To 250, Deduct</i>	-0.36	
			<i>For &gt;250 To 500, Deduct</i>	-0.68	
			<i>For &gt;500, Deduct</i>	-1.00	
			<i>For Work In Restricted Working Space, Add</i>	0.86	
26 05 29 00-0253	EA		3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	4.28	
			<i>For &gt;50 To 100, Deduct</i>	-0.18	
			<i>For &gt;100 To 250, Deduct</i>	-0.36	
			<i>For &gt;250 To 500, Deduct</i>	-0.68	
			<i>For &gt;500, Deduct</i>	-1.00	
			<i>For Work In Restricted Working Space, Add</i>	0.86	
26 05 29 00-0254	EA		1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	4.39	
			<i>For &gt;50 To 100, Deduct</i>	-0.18	
			<i>For &gt;100 To 250, Deduct</i>	-0.36	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;500, Deduct</i>	-1.02	
			<i>For Work In Restricted Working Space, Add</i>	0.86	
26 05 29 00-0255	EA		1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	5.50	
			<i>For &gt;50 To 100, Deduct</i>	-0.23	
			<i>For &gt;100 To 250, Deduct</i>	-0.47	
			<i>For &gt;250 To 500, Deduct</i>	-0.89	
			<i>For &gt;500, Deduct</i>	-1.32	
			<i>For Work In Restricted Working Space, Add</i>	1.15	
26 05 29 00-0256	EA		1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	6.06	
			<i>For &gt;50 To 100, Deduct</i>	-0.25	
			<i>For &gt;100 To 250, Deduct</i>	-0.50	
			<i>For &gt;250 To 500, Deduct</i>	-0.93	
			<i>For &gt;500, Deduct</i>	-1.37	
			<i>For Work In Restricted Working Space, Add</i>	1.15	
26 05 29 00-0257	EA		2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	6.12	
			<i>For &gt;50 To 100, Deduct</i>	-0.25	
			<i>For &gt;100 To 250, Deduct</i>	-0.50	
			<i>For &gt;250 To 500, Deduct</i>	-0.94	
			<i>For &gt;500, Deduct</i>	-1.38	
			<i>For Work In Restricted Working Space, Add</i>	1.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0258 EA 2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	7.48	
For >50 To 100, Deduct	-0.31	
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-1.16	
For >500, Deduct	-1.71	
For Work In Restricted Working Space, Add	1.44	
26 05 29 00-0259 EA 3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	7.98	
For >50 To 100, Deduct	-0.32	
For >100 To 250, Deduct	-0.64	
For >250 To 500, Deduct	-1.20	
For >500, Deduct	-1.76	
For Work In Restricted Working Space, Add	1.44	
26 05 29 00-0260 EA 3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	8.46	
For >50 To 100, Deduct	-0.33	
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.81	
For Work In Restricted Working Space, Add	1.44	
26 05 29 00-0261 EA 4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	8.63	
For >50 To 100, Deduct	-0.34	
For >100 To 250, Deduct	-0.67	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.82	
For Work In Restricted Working Space, Add	1.44	
<b>26 05 29 00-0262 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0263 EA 1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	4.63	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.71	
For >500, Deduct	-1.04	
For Work In Restricted Working Space, Add	0.86	
26 05 29 00-0264 EA 3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	4.58	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.70	
For >500, Deduct	-1.03	
For Work In Restricted Working Space, Add	0.86	
26 05 29 00-0265 EA 1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	4.53	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.70	
For >500, Deduct	-1.03	
For Work In Restricted Working Space, Add	0.86	
26 05 29 00-0266 EA 1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	5.95	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.93	
For >500, Deduct	-1.36	
For Work In Restricted Working Space, Add	1.15	
26 05 29 00-0267 EA 1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	6.93	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-1.00	
For >500, Deduct	-1.46	
For Work In Restricted Working Space, Add	1.15	
26 05 29 00-0268 EA 2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	6.98	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-1.00	
For >500, Deduct	-1.47	
For Work In Restricted Working Space, Add	1.15	
<b>26 05 29 00-0269 "J" Type Conduit Hangers</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0270 EA 1/2", "J" Type Conduit Hanger (Unistrut J1205).....	23.82	
For >50 To 100, Deduct	-0.76	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-2.63	
For >500, Deduct	-3.73	
For Work In Restricted Working Space, Add	2.02	
26 05 29 00-0271 EA 3/4", "J" Type Conduit Hanger (Unistrut J1207).....	24.12	
For >50 To 100, Deduct	-0.77	
For >100 To 250, Deduct	-1.54	
For >250 To 500, Deduct	-2.65	
For >500, Deduct	-3.76	
For Work In Restricted Working Space, Add	2.02	
26 05 29 00-0272 EA 1", "J" Type Conduit Hanger (Unistrut J1210).....	25.36	
For >50 To 100, Deduct	-0.83	
For >100 To 250, Deduct	-1.65	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-4.07	
For Work In Restricted Working Space, Add	2.30	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0273	EA		1-1/4", "J" Type Conduit Hanger (Unistrut J1212).....	25.68	
			<i>For &gt;50 To 100, Deduct</i>	-0.83	
			<i>For &gt;100 To 250, Deduct</i>	-1.67	
			<i>For &gt;250 To 500, Deduct</i>	-2.89	
			<i>For &gt;500, Deduct</i>	-4.10	
			<i>For Work In Restricted Working Space, Add</i>	2.30	
26 05 29 00-0274	EA		1-1/2", "J" Type Conduit Hanger (Unistrut J1215).....	26.85	
			<i>For &gt;50 To 100, Deduct</i>	-0.89	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-3.09	
			<i>For &gt;500, Deduct</i>	-4.41	
			<i>For Work In Restricted Working Space, Add</i>	2.59	
26 05 29 00-0275	EA		2", "J" Type Conduit Hanger (Unistrut J1220).....	28.07	
			<i>For &gt;50 To 100, Deduct</i>	-0.92	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-3.19	
			<i>For &gt;500, Deduct</i>	-4.54	
			<i>For Work In Restricted Working Space, Add</i>	2.59	
26 05 29 00-0276	EA		2-1/2", "J" Type Conduit Hanger (Unistrut J1225).....	46.40	
			<i>For &gt;50 To 100, Deduct</i>	-1.40	
			<i>For &gt;100 To 250, Deduct</i>	-2.80	
			<i>For &gt;250 To 500, Deduct</i>	-4.68	
			<i>For &gt;500, Deduct</i>	-6.56	
			<i>For Work In Restricted Working Space, Add</i>	2.88	
26 05 29 00-0277	EA		3", "J" Type Conduit Hanger (Unistrut J1230).....	49.19	
			<i>For &gt;50 To 100, Deduct</i>	-1.49	
			<i>For &gt;100 To 250, Deduct</i>	-2.99	
			<i>For &gt;250 To 500, Deduct</i>	-5.01	
			<i>For &gt;500, Deduct</i>	-7.03	
			<i>For Work In Restricted Working Space, Add</i>	3.17	
26 05 29 00-0278	EA		3-1/2", "J" Type Conduit Hanger (Unistrut J1235).....	52.89	
			<i>For &gt;50 To 100, Deduct</i>	-1.61	
			<i>For &gt;100 To 250, Deduct</i>	-3.22	
			<i>For &gt;250 To 500, Deduct</i>	-5.41	
			<i>For &gt;500, Deduct</i>	-7.59	
			<i>For Work In Restricted Working Space, Add</i>	3.46	
26 05 29 00-0279	EA		4", "J" Type Conduit Hanger (Unistrut J1240).....	71.73	
			<i>For &gt;50 To 100, Deduct</i>	-2.08	
			<i>For &gt;100 To 250, Deduct</i>	-4.16	
			<i>For &gt;250 To 500, Deduct</i>	-6.82	
			<i>For &gt;500, Deduct</i>	-9.48	
			<i>For Work In Restricted Working Space, Add</i>	3.46	
26 05 29 00-0280	EA		5", "J" Type Conduit Hanger (Unistrut J1250).....	78.87	
			<i>For &gt;50 To 100, Deduct</i>	-2.28	
			<i>For &gt;100 To 250, Deduct</i>	-4.57	
			<i>For &gt;250 To 500, Deduct</i>	-7.48	
			<i>For &gt;500, Deduct</i>	-10.38	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
26 05 29 00-0281	EA		6", "J" Type Conduit Hanger (Unistrut J1260).....	112.36	
			<i>For &gt;50 To 100, Deduct</i>	-3.17	
			<i>For &gt;100 To 250, Deduct</i>	-6.34	
			<i>For &gt;250 To 500, Deduct</i>	-10.23	
			<i>For &gt;500, Deduct</i>	-14.12	
			<i>For Work In Restricted Working Space, Add</i>	4.32	
26 05 29 00-0282			<b>Between Studs Box Brackets</b> <small>(26 05 29 00-0165)</small> .....	8.42	
26 05 29 00-0283	EA		16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A) .....	8.42	
			<i>For &gt;50 To 100, Deduct</i>	-0.28	
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-0.99	
			<i>For &gt;500, Deduct</i>	-1.42	
			<i>For Work In Restricted Working Space, Add</i>	0.86	
26 05 29 00-0284	EA		24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A) .....	10.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.33	
			<i>For &gt;100 To 250, Deduct</i>	-0.66	
			<i>For &gt;250 To 500, Deduct</i>	-1.14	
			<i>For &gt;500, Deduct</i>	-1.61	
			<i>For Work In Restricted Working Space, Add</i>	0.86	
26 05 29 00-0285			<b>Hangers And Brackets</b> <small>(26 05 29 00-0165)</small> .....	2.66	
26 05 29 00-0286	EA		Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI) .....	2.66	
			<i>For &gt;50 To 100, Deduct</i>	-0.11	
			<i>For &gt;100 To 250, Deduct</i>	-0.23	
			<i>For &gt;250 To 500, Deduct</i>	-0.44	
			<i>For &gt;500, Deduct</i>	-0.65	
26 05 29 00-0287	EA		Angle Bracket Only With 1/4" Hole (Caddy AB) .....	2.55	
			<i>For &gt;50 To 100, Deduct</i>	-0.11	
			<i>For &gt;100 To 250, Deduct</i>	-0.22	
			<i>For &gt;250 To 500, Deduct</i>	-0.43	
			<i>For &gt;500, Deduct</i>	-0.64	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0288 EA Offset Bracket Only With 1/4" Hole (Caddy AO).....	2.55	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.43	
For >500, Deduct	-0.64	
26 05 29 00-0289 EA Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	3.70	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.52	
For >500, Deduct	-0.76	
26 05 29 00-0290 EA Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	3.72	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.52	
For >500, Deduct	-0.76	
26 05 29 00-0291 EA Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB).....	3.59	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.51	
For >500, Deduct	-0.75	
26 05 29 00-0292 EA Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	3.70	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.52	
For >500, Deduct	-0.76	
26 05 29 00-0293 EA Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	3.72	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.52	
For >500, Deduct	-0.76	
<b>26 05 29 00-0294 Clips And Accessories</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0295 EA 1/2" Diameter Center, Bridle Ring (Caddy 2BR).....	1.84	
For >50 To 100, Deduct	-0.08	
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.29	
For >500, Deduct	-0.42	
26 05 29 00-0296 EA 3/4" Diameter Center, Bridle Ring (Caddy 2BR12).....	1.88	
For >50 To 100, Deduct	-0.08	
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.29	
For >500, Deduct	-0.43	
26 05 29 00-0297 EA 1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20).....	2.05	
For >50 To 100, Deduct	-0.08	
For >100 To 250, Deduct	-0.16	
For >250 To 500, Deduct	-0.30	
For >500, Deduct	-0.45	
26 05 29 00-0298 EA 2" Diameter Center, Bridle Ring (Caddy 2BR32).....	2.42	
For >50 To 100, Deduct	-0.09	
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.33	
For >500, Deduct	-0.48	
<b>26 05 29 00-0299 Wire Ties</b> <small>(26 05 29 00-0165)</small>		
Note: Per hundred (C).		
26 05 29 00-0300 C 3" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	25.55	
For Up To 0.1, Add	20.05	
For >0.1 To 0.25, Add	10.03	
For >0.25 To 0.75, Add	5.01	
For >2.0, Deduct	-2.01	
For UV Black, Add	0.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 05 29 00-0301 C 4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	25.77	
For Up To 0.1, Add	20.05	
For >0.1 To 0.25, Add	10.03	
For >0.25 To 0.75, Add	5.01	
For >2.0, Deduct	-2.01	
For UV Black, Add	0.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 05 29 00-0302 C 4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	25.91	
For Up To 0.1, Add	20.05	
For >0.1 To 0.25, Add	10.03	
For >0.25 To 0.75, Add	5.01	
For >2.0, Deduct	-2.01	
For UV Black, Add	0.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 05 29 00-0303 C 5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	25.98	
For Up To 0.1, Add	20.05	
For >0.1 To 0.25, Add	10.03	
For >0.25 To 0.75, Add	5.01	
For >2.0, Deduct	-2.01	
For UV Black, Add	0.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0304 C 6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	26.91	
For Up To 0.1, Add	20.92	
For >0.1 To 0.25, Add	10.46	
For >0.25 To 0.75, Add	5.23	
For >2.0, Deduct	-2.09	
For UV Black, Add	0.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.28	
26 05 29 00-0305 C 8" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	32.52	
For Up To 0.1, Add	21.88	
For >0.1 To 0.25, Add	10.94	
For >0.25 To 0.75, Add	5.47	
For >2.0, Deduct	-2.19	
For UV Black, Add	1.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.56	
26 05 29 00-0306 C 4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	31.46	
For Up To 0.1, Add	20.05	
For >0.1 To 0.25, Add	10.03	
For >0.25 To 0.75, Add	5.01	
For >2.0, Deduct	-2.01	
For UV Black, Add	1.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 05 29 00-0307 C 6" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	32.42	
For Up To 0.1, Add	20.92	
For >0.1 To 0.25, Add	10.46	
For >0.25 To 0.75, Add	5.23	
For >2.0, Deduct	-2.09	
For UV Black, Add	1.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.28	
26 05 29 00-0308 C 8" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	33.44	
For Up To 0.1, Add	21.88	
For >0.1 To 0.25, Add	10.94	
For >0.25 To 0.75, Add	5.47	
For >2.0, Deduct	-2.19	
For UV Black, Add	1.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.56	
26 05 29 00-0309 C 10" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	50.24	
For Up To 0.1, Add	23.58	
For >0.1 To 0.25, Add	11.79	
For >0.25 To 0.75, Add	5.90	
For >2.0, Deduct	-2.36	
For UV Black, Add	4.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
26 05 29 00-0310 C 11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	52.65	
For Up To 0.1, Add	23.58	
For >0.1 To 0.25, Add	11.79	
For >0.25 To 0.75, Add	5.90	
For >2.0, Deduct	-2.36	
For UV Black, Add	4.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
26 05 29 00-0311 C 7" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	35.12	
For Up To 0.1, Add	21.88	
For >0.1 To 0.25, Add	10.94	
For >0.25 To 0.75, Add	5.47	
For >2.0, Deduct	-2.19	
For UV Black, Add	1.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.56	
26 05 29 00-0312 C 8" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	32.99	
For Up To 0.1, Add	21.88	
For >0.1 To 0.25, Add	10.94	
For >0.25 To 0.75, Add	5.47	
For >2.0, Deduct	-2.19	
For UV Black, Add	1.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.56	
26 05 29 00-0313 C 11" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	50.90	
For Up To 0.1, Add	23.58	
For >0.1 To 0.25, Add	11.79	
For >0.25 To 0.75, Add	5.90	
For >2.0, Deduct	-2.36	
For UV Black, Add	4.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
26 05 29 00-0314 C 14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	58.65	
For Up To 0.1, Add	25.06	
For >0.1 To 0.25, Add	12.53	
For >0.25 To 0.75, Add	6.27	
For >2.0, Deduct	-2.51	
For UV Black, Add	5.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.52	
26 05 29 00-0315 C 8" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	57.92	
For Up To 0.1, Add	21.88	
For >0.1 To 0.25, Add	10.94	
For >0.25 To 0.75, Add	5.47	
For >2.0, Deduct	-2.19	
For UV Black, Add	5.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0316 C 11" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	63.48	
For Up To 0.1, Add	23.58	
For >0.1 To 0.25, Add	11.79	
For >0.25 To 0.75, Add	5.90	
For >2.0, Deduct	-2.36	
For UV Black, Add	5.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
26 05 29 00-0317 C 15" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	77.55	
For Up To 0.1, Add	25.06	
For >0.1 To 0.25, Add	12.53	
For >0.25 To 0.75, Add	6.27	
For >2.0, Deduct	-2.51	
For UV Black, Add	7.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.52	
26 05 29 00-0318 C 17" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	112.72	
For Up To 0.1, Add	26.73	
For >0.1 To 0.25, Add	13.37	
For >0.25 To 0.75, Add	6.68	
For >2.0, Deduct	-2.67	
For UV Black, Add	12.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.02	
26 05 29 00-0319 C 17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	109.05	
For Up To 0.1, Add	26.73	
For >0.1 To 0.25, Add	13.37	
For >0.25 To 0.75, Add	6.68	
For >2.0, Deduct	-2.67	
For UV Black, Add	12.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.02	
26 05 29 00-0320 C 21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	133.76	
For Up To 0.1, Add	27.98	
For >0.1 To 0.25, Add	13.99	
For >0.25 To 0.75, Add	7.00	
For >2.0, Deduct	-2.80	
For UV Black, Add	15.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.39	
26 05 29 00-0321 C 30" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	155.43	
For Up To 0.1, Add	29.34	
For >0.1 To 0.25, Add	14.67	
For >0.25 To 0.75, Add	7.34	
For >2.0, Deduct	-2.93	
For UV Black, Add	18.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.80	
26 05 29 00-0322 C 46" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	214.85	
For Up To 0.1, Add	31.65	
For >0.1 To 0.25, Add	15.83	
For >0.25 To 0.75, Add	7.91	
For >2.0, Deduct	-3.17	
For UV Black, Add	27.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.50	
26 05 29 00-0323 C 3/4" x 3/4" Self Adhesive Tie Mounts.....	32.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.02	
26 05 29 00-0324 C 1.1" x 1.1" Tie Mounts With Screw.....	64.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.05	
26 05 29 00-0325 EA 6" Length x 1/2" Width, Velcro Grip Cable Tie.....	2.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.14	
26 05 29 00-0326 EA 8" Length x 1/2" Width, Velcro Grip Cable Tie.....	2.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.12	
26 05 29 00-0327 EA 12" Length x 1/2" Width, Velcro Grip Cable Tie.....	2.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.12	
26 05 29 00-0328 EA 15" Length x 3/4" Width, Velcro Grip Cable Tie.....	3.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.12	
26 05 29 00-0329 EA 180" Length x 3/4" Width, Velcro Grip Cable Tie Roll.....	102.28	
Note: Cut to length.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.90	
<b>26 05 29 00-0330 Fastening Devices For Wireway And Conduit</b> <small>(26 05 29)</small>		
Note: Includes drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports for bolts.		
<b>26 05 29 00-0331 Toggle Bolts</b> <small>(26 05 29 00-0330)</small>		
Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0332 EA 1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	7.44	
For >50 To 100, Deduct	-0.71	
For >100 To 250, Deduct	-1.43	
For >250 To 500, Deduct	-2.49	
For >500, Deduct	-3.55	
26 05 29 00-0333 EA 1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	7.63	
For >50 To 100, Deduct	-0.73	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-2.55	
For >500, Deduct	-3.64	
26 05 29 00-0334 EA 3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	8.04	
For >50 To 100, Deduct	-0.75	
For >100 To 250, Deduct	-1.51	
For >250 To 500, Deduct	-2.63	
For >500, Deduct	-3.75	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0335 EA 3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	8.23	
For >50 To 100, Deduct	-0.77	
For >100 To 250, Deduct	-1.54	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.84	
26 05 29 00-0336 EA 1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	8.43	
For >50 To 100, Deduct	-0.79	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-2.76	
For >500, Deduct	-3.93	
26 05 29 00-0337 EA 5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	9.49	
For >50 To 100, Deduct	-0.83	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.88	
For >500, Deduct	-4.11	
26 05 29 00-0338 EA 3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	9.88	
For >50 To 100, Deduct	-0.85	
For >100 To 250, Deduct	-1.71	
For >250 To 500, Deduct	-2.96	
For >500, Deduct	-4.22	
<b>26 05 29 00-0339 Machine Screws</b> (26 05 29 00-0330)		
Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0340 EA #8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.20	
For >50 To 100, Deduct	-0.21	
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.75	
For >500, Deduct	-1.07	
26 05 29 00-0341 EA #10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.23	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.75	
For >500, Deduct	-1.08	
26 05 29 00-0342 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.80	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-0.94	
For >500, Deduct	-1.35	
26 05 29 00-0343 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.92	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.95	
For >500, Deduct	-1.36	
26 05 29 00-0344 EA 3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.59	
For >50 To 100, Deduct	-0.33	
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-1.15	
For >500, Deduct	-1.64	
<b>26 05 29 00-0345 Hex Lag Bolts With Lag Shield Expansion Anchors</b> (26 05 29 00-0330)		
Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0346 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	3.54	
For >50 To 100, Deduct	-0.29	
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-1.00	
For >500, Deduct	-1.42	
26 05 29 00-0347 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	3.50	
For >50 To 100, Deduct	-0.29	
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-1.00	
For >500, Deduct	-1.42	
26 05 29 00-0348 EA 3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	4.92	
For >50 To 100, Deduct	-0.36	
For >100 To 250, Deduct	-0.72	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.77	
26 05 29 00-0349 EA 1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	6.26	
For >50 To 100, Deduct	-0.43	
For >100 To 250, Deduct	-0.87	
For >250 To 500, Deduct	-1.49	
For >500, Deduct	-2.11	
<b>26 05 29 00-0350 Hanger Lag Bolts With Hex Nuts</b> (26 05 29 00-0330)		
Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0351 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	2.66	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.79	
For >500, Deduct	-1.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0352 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	2.70	
<i>For &gt;50 To 100, Deduct</i>	-0.23	
<i>For &gt;100 To 250, Deduct</i>	-0.45	
<i>For &gt;250 To 500, Deduct</i>	-0.79	
<i>For &gt;500, Deduct</i>	-1.12	
26 05 29 00-0353 EA 3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	3.19	
<i>For &gt;50 To 100, Deduct</i>	-0.26	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.89	
<i>For &gt;500, Deduct</i>	-1.27	
<b>26 05 29 00-0354 Hollow Wall Screw Anchors</b> <small>(26 05 29 00-0330)</small>		
26 05 29 00-0355 EA 6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.57	
<i>For &gt;50 To 100, Deduct</i>	-0.14	
<i>For &gt;100 To 250, Deduct</i>	-0.27	
<i>For &gt;250 To 500, Deduct</i>	-0.47	
<i>For &gt;500, Deduct</i>	-0.67	
26 05 29 00-0356 EA 6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.61	
<i>For &gt;50 To 100, Deduct</i>	-0.14	
<i>For &gt;100 To 250, Deduct</i>	-0.27	
<i>For &gt;250 To 500, Deduct</i>	-0.47	
<i>For &gt;500, Deduct</i>	-0.67	
26 05 29 00-0357 EA 6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.69	
<i>For &gt;50 To 100, Deduct</i>	-0.14	
<i>For &gt;100 To 250, Deduct</i>	-0.28	
<i>For &gt;250 To 500, Deduct</i>	-0.48	
<i>For &gt;500, Deduct</i>	-0.68	
26 05 29 00-0358 EA 10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.12	
<i>For &gt;50 To 100, Deduct</i>	-0.16	
<i>For &gt;100 To 250, Deduct</i>	-0.33	
<i>For &gt;250 To 500, Deduct</i>	-0.57	
<i>For &gt;500, Deduct</i>	-0.80	
26 05 29 00-0359 EA 10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.22	
<i>For &gt;50 To 100, Deduct</i>	-0.17	
<i>For &gt;100 To 250, Deduct</i>	-0.33	
<i>For &gt;250 To 500, Deduct</i>	-0.57	
<i>For &gt;500, Deduct</i>	-0.81	
26 05 29 00-0360 EA 10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.25	
<i>For &gt;50 To 100, Deduct</i>	-0.17	
<i>For &gt;100 To 250, Deduct</i>	-0.33	
<i>For &gt;250 To 500, Deduct</i>	-0.58	
<i>For &gt;500, Deduct</i>	-0.82	
26 05 29 00-0361 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.27	
<i>For &gt;50 To 100, Deduct</i>	-0.17	
<i>For &gt;100 To 250, Deduct</i>	-0.34	
<i>For &gt;250 To 500, Deduct</i>	-0.58	
<i>For &gt;500, Deduct</i>	-0.82	
26 05 29 00-0362 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.41	
<i>For &gt;50 To 100, Deduct</i>	-0.17	
<i>For &gt;100 To 250, Deduct</i>	-0.34	
<i>For &gt;250 To 500, Deduct</i>	-0.59	
<i>For &gt;500, Deduct</i>	-0.83	
26 05 29 00-0363 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.47	
<i>For &gt;50 To 100, Deduct</i>	-0.17	
<i>For &gt;100 To 250, Deduct</i>	-0.35	
<i>For &gt;250 To 500, Deduct</i>	-0.59	
<i>For &gt;500, Deduct</i>	-0.84	
<b>26 05 29 00-0364 Lead Screw Anchors</b> <small>(26 05 29 00-0330)</small>		
Note: Includes screw.		
26 05 29 00-0365 EA #6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw .....	3.65	
<i>For &gt;50 To 100, Deduct</i>	-0.34	
<i>For &gt;100 To 250, Deduct</i>	-0.67	
<i>For &gt;250 To 500, Deduct</i>	-1.17	
<i>For &gt;500, Deduct</i>	-1.67	
26 05 29 00-0366 EA #10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw .....	4.33	
<i>For &gt;50 To 100, Deduct</i>	-0.39	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;250 To 500, Deduct</i>	-1.36	
<i>For &gt;500, Deduct</i>	-1.95	
26 05 29 00-0367 EA #16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw .....	5.85	
<i>For &gt;50 To 100, Deduct</i>	-0.51	
<i>For &gt;100 To 250, Deduct</i>	-1.01	
<i>For &gt;250 To 500, Deduct</i>	-1.76	
<i>For &gt;500, Deduct</i>	-2.51	
<b>26 05 29 00-0368 Acoustical T-Bar Clips</b> <small>(26 05 29 00-0330)</small>		
Note: For conduit installation above suspended ceilings up to 15' height.		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0369	EA		1/2" Conduit, Push-In Acoustical T-Bar Clip.....	6.24	
			<i>For &gt;50 To 100, Deduct</i>	-0.46	
			<i>For &gt;100 To 250, Deduct</i>	-0.93	
			<i>For &gt;250 To 500, Deduct</i>	-1.59	
			<i>For &gt;500, Deduct</i>	-2.26	
26 05 29 00-0370	EA		3/4" Conduit, Push-In Acoustical T-Bar Clip.....	6.54	
			<i>For &gt;50 To 100, Deduct</i>	-0.49	
			<i>For &gt;100 To 250, Deduct</i>	-0.97	
			<i>For &gt;250 To 500, Deduct</i>	-1.67	
			<i>For &gt;500, Deduct</i>	-2.37	
26 05 29 00-0371	EA		1" Conduit, Push-In Acoustical T-Bar Clip.....	7.14	
			<i>For &gt;50 To 100, Deduct</i>	-0.52	
			<i>For &gt;100 To 250, Deduct</i>	-1.04	
			<i>For &gt;250 To 500, Deduct</i>	-1.78	
			<i>For &gt;500, Deduct</i>	-2.53	
26 05 29 00-0372			<b>Threaded Rod, Accessories And Attachments</b> (26 05 29)		
26 05 29 00-0373			<b>Threaded Rod And Rod Accessories</b> (26 05 29 00-0372)		
26 05 29 00-0374			<b>Carbon Steel Threaded Rod</b> (26 05 29 00-0373)		
			Note: Includes plain finish.		
26 05 29 00-0375	LF		3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	2.98	0.60
			<i>For Galvanized, Add</i>	0.71	
			<i>For Zinc Coated, Add</i>	0.50	
26 05 29 00-0376	LF		1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	4.10	0.64
			<i>For Galvanized, Add</i>	1.13	
			<i>For Zinc Coated, Add</i>	0.80	
26 05 29 00-0377	LF		5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	5.69	0.66
			<i>For Galvanized, Add</i>	1.74	
			<i>For Zinc Coated, Add</i>	1.24	
26 05 29 00-0378	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	9.30	0.68
			<i>For Galvanized, Add</i>	3.17	
			<i>For Zinc Coated, Add</i>	2.26	
26 05 29 00-0379	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	10.13	0.70
			<i>For Galvanized, Add</i>	3.48	
			<i>For Zinc Coated, Add</i>	2.48	
26 05 29 00-0380	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	13.84	0.79
			<i>For Galvanized, Add</i>	4.89	
			<i>For Zinc Coated, Add</i>	3.49	
26 05 29 00-0381	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	17.21	0.89
			<i>For Galvanized, Add</i>	6.17	
			<i>For Zinc Coated, Add</i>	4.40	
26 05 29 00-0382			<b>Threaded Rod Couplings</b> (26 05 29 00-0373)		
26 05 29 00-0383	EA		3/8" Diameter, Threaded Rod Coupling Nut.....	7.62	
26 05 29 00-0384	EA		1/2" Diameter, Threaded Rod Coupling Nut.....	8.64	
26 05 29 00-0385	EA		5/8" Diameter, Threaded Rod Coupling Nut.....	10.71	
26 05 29 00-0386	EA		3/4" Diameter, Threaded Rod Coupling Nut.....	12.97	
26 05 29 00-0387	EA		7/8" Diameter, Threaded Rod Coupling Nut.....	18.72	
26 05 29 00-0388	EA		1" Diameter, Threaded Rod Coupling Nut.....	22.19	
26 05 29 00-0389	EA		1-1/8" Diameter, Threaded Rod Coupling Nut .....	41.65	
26 05 29 00-0390			<b>Flat Washers</b> (26 05 29 00-0373)		
26 05 29 00-0391	EA		3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.65	0.24
			<i>For Galvanized, Add</i>	0.03	
26 05 29 00-0392	EA		1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.83	0.24
			<i>For Galvanized, Add</i>	0.06	
26 05 29 00-0393	EA		5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	1.07	0.24
			<i>For Galvanized, Add</i>	0.11	
26 05 29 00-0394	EA		3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	1.31	0.48
			<i>For Galvanized, Add</i>	0.16	
26 05 29 00-0395	EA		7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	1.46	0.48
			<i>For Galvanized, Add</i>	0.19	
26 05 29 00-0396	EA		1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	1.74	0.48
			<i>For Galvanized, Add</i>	0.24	
26 05 29 00-0397	EA		1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	1.95	0.48
			<i>For Galvanized, Add</i>	0.27	
26 05 29 00-0398			<b>Malleable Iron Eye Sockets</b> (26 05 29 00-0373)		
			Note: Type 16.		
26 05 29 00-0399	EA		3/8" Rod Size, Malleable Iron Eye Socket.....	10.56	
26 05 29 00-0400	EA		1/2" Rod Size, Malleable Iron Eye Socket.....	12.72	
26 05 29 00-0401	EA		5/8" Rod Size, Malleable Iron Eye Socket.....	22.79	
26 05 29 00-0402	EA		3/4" Rod Size, Malleable Iron Eye Socket.....	32.82	
26 05 29 00-0403	EA		7/8" Rod Size, Malleable Iron Eye Socket.....	34.89	
26 05 29 00-0404			<b>Hex Nuts</b> (26 05 29 00-0373)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0405 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut ..... <i>For Galvanized, Add</i>	0.63 0.02	0.24
26 05 29 00-0406 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut ..... <i>For Galvanized, Add</i>	0.80 0.05	0.24
26 05 29 00-0407 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut ..... <i>For Galvanized, Add</i>	1.08 0.11	0.24
26 05 29 00-0408 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut ..... <i>For Galvanized, Add</i>	1.27 0.15	0.48
26 05 29 00-0409 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut ..... <i>For Galvanized, Add</i>	1.83 0.28	0.48
26 05 29 00-0410 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut ..... <i>For Galvanized, Add</i>	2.33 0.38	0.48
26 05 29 00-0411 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut ..... <i>For Galvanized, Add</i>	3.78 0.72	0.48
<b>26 05 29 00-0412 Forged Steel Turnbuckles</b> <small>(26 05 29 00-0373)</small>		
<i>Note: Type 13.</i>		
26 05 29 00-0413 EA 3/8" Thread Diameter, Forged Steel Turnbuckle Body .....	25.46	
26 05 29 00-0414 EA 1/2" Thread Diameter, Forged Steel Turnbuckle Body .....	31.71	
26 05 29 00-0415 EA 5/8" Thread Diameter, Forged Steel Turnbuckle Body .....	43.00	
26 05 29 00-0416 EA 3/4" Thread Diameter, Forged Steel Turnbuckle Body .....	53.48	
26 05 29 00-0417 EA 7/8" Thread Diameter, Forged Steel Turnbuckle Body .....	135.75	
26 05 29 00-0418 EA 1" Thread Diameter, Forged Steel Turnbuckle Body .....	88.36	
26 05 29 00-0419 EA 1-1/4" Thread Diameter, Forged Steel Turnbuckle Body .....	181.07	
<b>26 05 29 00-0420 Attachments</b> <small>(26 05 29 00-0372)</small>		
<b>26 05 29 00-0421 Welded Beam Attachments</b> <small>(26 05 29 00-0420)</small>		
<i>Note: Type 22.</i>		
26 05 29 00-0422 EA 3/8" Rod Size, Welded Beam Attachment .....	46.36	9.61
26 05 29 00-0423 EA 1/2" Rod Size, Welded Beam Attachment .....	49.51	10.09
26 05 29 00-0424 EA 5/8" Rod Size, Welded Beam Attachment .....	52.74	10.66
26 05 29 00-0425 EA 3/4" Rod Size, Welded Beam Attachment .....	68.07	11.33
26 05 29 00-0426 EA 7/8" Rod Size, Welded Beam Attachment .....	82.20	12.00
26 05 29 00-0427 EA 1" Rod Size, Welded Beam Attachment .....	116.29	13.74
26 05 29 00-0428 EA 1-1/8" Rod Size, Welded Beam Attachment .....	166.37	14.41
<b>26 05 29 00-0429 C-Clamp Style Beam Clamps</b> <small>(26 05 29 00-0420)</small>		
<i>Note: Type 23. Top or bottom flange mount.</i>		
26 05 29 00-0430 EA 3/8" Rod Size, C-Clamp Style Beam Clamp .....	15.35	7.22
26 05 29 00-0431 EA 1/2" Rod Size, C-Clamp Style Beam Clamp .....	18.58	7.70
26 05 29 00-0432 EA 5/8" Rod Size, C-Clamp Style Beam Clamp .....	21.23	8.25
26 05 29 00-0433 EA 3/4" Rod Size, C-Clamp Style Beam Clamp .....	27.77	8.88
26 05 29 00-0434 EA 7/8" Rod Size, C-Clamp Style Beam Clamp .....	41.24	9.63
<b>26 05 29 00-0435 Bottom Mount I-Beam Clamps</b> <small>(26 05 29 00-0420)</small>		
<i>Note: Type 21. For attaching threaded rod centered under beam flanges.</i>		
26 05 29 00-0436 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp .....	45.20	9.63
26 05 29 00-0437 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp .....	67.46	10.50
26 05 29 00-0438 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp .....	97.37	11.55
26 05 29 00-0439 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp .....	116.83	12.83
26 05 29 00-0440 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp .....	287.62	14.44
<b>26 05 29 00-0441 Steel U-Bolts</b> <small>(26 05 29 00-0420)</small>		
<i>Note: Type 24. Includes plate and nuts.</i>		
26 05 29 00-0442 EA 1/2" Pipe Size, Zinc Plated Steel, U-Bolt .....	12.55	5.78
26 05 29 00-0443 EA 3/4" Pipe Size, Zinc Plated Steel, U-Bolt .....	13.67	6.08
26 05 29 00-0444 EA 1" Pipe Size, Zinc Plated Steel, U-Bolt .....	14.74	6.41
26 05 29 00-0445 EA 1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt .....	16.90	6.79
26 05 29 00-0446 EA 1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt .....	17.40	7.22
26 05 29 00-0447 EA 2" Pipe Size, Zinc Plated Steel, U-Bolt .....	18.62	7.70
26 05 29 00-0448 EA 2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt .....	27.64	8.25
26 05 29 00-0449 EA 3" Pipe Size, Zinc Plated Steel, U-Bolt .....	30.52	8.88
26 05 29 00-0450 EA 4" Pipe Size, Zinc Plated Steel, U-Bolt .....	37.19	9.63
<b>26 05 29 00-0451 Stainless Steel Threaded Rod</b> <small>(26 05 29 00-0372)</small>		
26 05 29 00-0452 LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod ..... <i>For 316 Stainless Steel, Add</i>	2.96 0.81	0.48
26 05 29 00-0453 LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod ..... <i>For 316 Stainless Steel, Add</i>	4.48 1.39	0.53
26 05 29 00-0454 LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod ..... <i>For 316 Stainless Steel, Add</i>	5.77 1.85	0.60
26 05 29 00-0455 LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod ..... <i>For 316 Stainless Steel, Add</i>	8.03 2.75	0.62
26 05 29 00-0456 LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod ..... <i>For 316 Stainless Steel, Add</i>	9.64 3.39	0.64

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0457 LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	14.48	0.65
For 316 Stainless Steel, Add	5.33	
26 05 29 00-0458 LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	20.28	0.66
For 316 Stainless Steel, Add	7.67	
26 05 29 00-0459 LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	27.92	0.68
For 316 Stainless Steel, Add	10.75	
26 05 29 00-0460 LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	35.89	0.79
For 316 Stainless Steel, Add	13.88	
26 05 29 00-0461 LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	76.03	0.96
For 316 Stainless Steel, Add	29.98	
<b>26 05 29 00-0462 Polyvinyl Chloride (PVC) Coated Supports (26 05 29)</b>		
Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
<b>26 05 29 00-0463 Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0462)</b>		
<b>26 05 29 00-0464 Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)</b>		
26 05 29 00-0465 EA 1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	62.21	19.20
26 05 29 00-0466 EA 3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	67.54	20.94
26 05 29 00-0467 EA 1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	71.42	23.05
26 05 29 00-0468 EA 1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	87.55	25.64
26 05 29 00-0469 EA 1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	101.85	28.81
26 05 29 00-0470 EA 2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	124.38	31.70
26 05 29 00-0471 EA 2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	136.10	34.58
26 05 29 00-0472 EA 3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	150.46	37.45
26 05 29 00-0473 EA 3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	158.18	40.33
26 05 29 00-0474 EA 4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	171.31	43.22
<b>26 05 29 00-0475 Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)</b>		
26 05 29 00-0476 EA 1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	68.04	19.20
26 05 29 00-0477 EA 3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	71.49	20.94
26 05 29 00-0478 EA 1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	83.25	23.05
26 05 29 00-0479 EA 1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	91.75	25.64
26 05 29 00-0480 EA 1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	103.48	28.81
26 05 29 00-0481 EA 2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	121.59	31.70
26 05 29 00-0482 EA 2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	141.37	34.58
26 05 29 00-0483 EA 3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	157.44	37.45
26 05 29 00-0484 EA 3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	166.96	40.33
26 05 29 00-0485 EA 4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	172.49	43.22
<b>26 05 29 00-0486 Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)</b>		
26 05 29 00-0487 EA 1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	63.46	19.01
26 05 29 00-0488 EA 3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	67.97	20.75
26 05 29 00-0489 EA 1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	77.36	23.05
26 05 29 00-0490 EA 1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	92.31	25.35
26 05 29 00-0491 EA 1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	124.14	28.81
26 05 29 00-0492 EA 2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	136.01	31.70
<b>26 05 29 00-0493 Polyvinyl Chloride (PVC) Coated Conduit Straps (26 05 29 00-0462)</b>		
<b>26 05 29 00-0494 One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)</b>		
26 05 29 00-0495 EA 1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	9.26	0.57
26 05 29 00-0496 EA 3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	10.10	0.57
26 05 29 00-0497 EA 1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	15.09	0.57
26 05 29 00-0498 EA 1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	18.46	0.57
26 05 29 00-0499 EA 1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	24.45	0.57
26 05 29 00-0500 EA 2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	36.99	0.57
26 05 29 00-0501 EA 2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	49.44	0.57
26 05 29 00-0502 EA 3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	66.40	0.57
26 05 29 00-0503 EA 3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	117.90	0.57
26 05 29 00-0504 EA 4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	125.33	0.57
<b>26 05 29 00-0505 Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)</b>		
26 05 29 00-0506 EA 1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	18.25	1.15
26 05 29 00-0507 EA 3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	18.33	1.15
26 05 29 00-0508 EA 1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	18.84	1.15
26 05 29 00-0509 EA 1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	23.97	1.15
26 05 29 00-0510 EA 1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	24.67	1.15
26 05 29 00-0511 EA 2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	28.45	1.15
26 05 29 00-0512 EA 2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	32.13	1.15
26 05 29 00-0513 EA 3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	33.64	1.15
26 05 29 00-0514 EA 3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	35.99	1.15
26 05 29 00-0515 EA 4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	39.13	1.15
<b>26 05 29 00-0516 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0462)</b>		





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 29 00-0517</b>				<b>Polyvinyl Chloride (PVC) Coated Clamp Back Spacer</b> <small>(26 05 29 00-0516)</small>		
			EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	16.45	1.15
			EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	19.31	1.15
			EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	24.56	1.15
			EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	28.90	1.15
			EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	39.05	1.15
			EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	48.10	1.15
			EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	97.42	1.15
			EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	133.42	1.15
			EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	234.33	1.15
			EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	234.33	1.15
<b>26 05 29 00-0528</b>				<b>Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories</b> <small>(26 05 29 00-0462)</small>		
<b>26 05 29 00-0529</b>				<b>Polyvinyl Chloride (PVC) Coated Threaded Rod</b> <small>(26 05 29 00-0528)</small>		
			LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod .....	11.42	0.77
			LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod .....	14.11	0.86
<b>26 05 29 00-0532</b>				<b>Attachments</b> <small>(26 05 29 00-0462)</small>		
<b>26 05 29 00-0533</b>				<b>Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts</b> <small>(26 05 29 00-0532)</small>		
			EA	1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	18.27	5.78
			EA	3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	18.77	6.06
			EA	1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	19.75	6.45
			EA	1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts .....	21.05	6.83
			EA	1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts .....	22.43	7.22
			EA	2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	25.59	7.70
			EA	2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts .....	39.52	8.28
			EA	3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	41.24	8.85
			EA	4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	43.82	9.63
			EA	5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	75.76	10.97
			EA	6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	94.71	12.70
<b>26 05 29 00-0545</b>				<b>Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps</b> <small>(26 05 29 00-0532)</small>		
			EA	1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp .....	64.32	19.01
			EA	5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp .....	78.20	19.01
			EA	3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp .....	83.92	19.01
			EA	1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp .....	93.33	20.17
			EA	1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp .....	109.80	23.05
<b>26 05 29 00-0551</b>				<b>Polyvinyl Chloride (PVC) Coated Pipe Straps</b> <small>(26 05 29 00-0532)</small>		
				Note: Includes stainless steel nuts and bolts.		
			EA	1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap .....	19.82	6.34
			EA	3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap .....	20.79	6.92
			EA	1" Polyvinyl Chloride (PVC) Coated Pipe Strap .....	22.66	7.49
			EA	1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap .....	25.48	8.64
			EA	1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap .....	29.18	9.80
			EA	2" Polyvinyl Chloride (PVC) Coated Pipe Strap .....	32.53	10.37
			EA	2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap .....	35.93	11.52
			EA	3" Polyvinyl Chloride (PVC) Coated Pipe Strap .....	42.92	12.68
			EA	3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap .....	47.03	13.26
			EA	4" Polyvinyl Chloride (PVC) Coated Pipe Strap .....	49.33	14.41
			EA	5" Polyvinyl Chloride (PVC) Coated Pipe Strap .....	52.59	16.13
<b>26 05 29 00-0563</b>				<b>Polyvinyl Chloride (PVC) Coated Channel</b> <small>(26 05 29 00-0462)</small>		
			LF	A12, Polyvinyl Chloride (PVC) Coated Channel .....	21.15	2.88
			LF	A12A, Polyvinyl Chloride (PVC) Coated Channel .....	37.63	4.03
			LF	A12P, Polyvinyl Chloride (PVC) Coated Channel .....	22.62	2.88
			LF	C14, Polyvinyl Chloride (PVC) Coated Channel .....	16.65	2.88
			LF	C14P, Polyvinyl Chloride (PVC) Coated Channel.....	17.56	2.88
<b>26 05 29 00-0569</b>				<b>Right-Angle Wall Brackets</b> <small>(26 05 29)</small>		
			EA	Right Angle Wall Mount (Oberon 1029-00).....	337.69	96.24
<b>26 05 29 00-0571</b>				<b>Polymer Concrete Pads</b> <small>(26 05 29)</small>		
				Note: Excludes excavation and backfill.		
<b>26 05 29 00-0572</b>				<b>Polymer Concrete, Box Pads</b> <small>(26 05 29 00-0571)</small>		
			EA	24" x 36", 18" Depth, Polymer Concrete, Box Pad.....	1,309.77	115.73
			EA	25" x 25", 24" Depth, Polymer Concrete, Box Pad.....	1,354.33	115.73
			EA	40" x 44", 15" Depth, Polymer Concrete, Box Pad.....	1,763.78	115.73
			EA	40" x 44", 24" Depth, Polymer Concrete, Box Pad.....	1,831.67	115.73
			EA	52" x 36", 18" Depth, Polymer Concrete, Box Pad.....	1,700.59	115.73

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 29 Hangers and Supports for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0578 EA 44" x 44", 32" Depth, Polymer Concrete, Box Pad.....	2,021.19	115.73
26 05 29 00-0579 EA 40" x 58", 24" Depth, Polymer Concrete, Box Pad.....	2,267.01	115.73
26 05 29 00-0580 EA 52" x 50", 18" Depth, Polymer Concrete, Box Pad.....	2,164.11	144.66
26 05 29 00-0581 EA 74" x 76", 36" Depth, Polymer Concrete, Box Pad.....	3,312.71	144.66
26 05 29 00-0582 EA 93" x 93", 36" Depth, Polymer Concrete, Box Pad.....	4,466.99	144.66

**26 05 29 00-0583 Polymer Concrete, Telecommunications Equipment Pads (26 05 29 00-0571)**

26 05 29 00-0584 EA 42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	623.01	59.46
26 05 29 00-0585 EA 48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	744.73	59.46
26 05 29 00-0586 EA 60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	971.56	86.80
26 05 29 00-0587 EA 54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,016.80	86.80
26 05 29 00-0588 EA 57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,477.32	86.80
26 05 29 00-0589 EA 72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,541.32	86.80
26 05 29 00-0590 EA 64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,660.58	86.80
26 05 29 00-0591 EA 72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,660.58	86.80
26 05 29 00-0592 EA 76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	3,158.88	86.80
26 05 29 00-0593 EA 96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	3,586.40	86.80

**26 05 29 00-0594 Polymer Concrete, Electrical Equipment Pads (26 05 29 00-0571)**

26 05 29 00-0595 EA 24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	365.21	59.46
26 05 29 00-0596 EA 24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	396.50	59.46
26 05 29 00-0597 EA 24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	425.00	59.46
26 05 29 00-0598 EA 24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	519.69	59.46
26 05 29 00-0599 EA 40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	477.43	59.46
26 05 29 00-0600 EA 42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	497.34	59.46
26 05 29 00-0601 EA 48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	548.96	59.46
26 05 29 00-0602 EA 48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	579.07	59.46
26 05 29 00-0603 EA 54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	679.63	59.46
26 05 29 00-0604 EA 56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	845.27	59.46
26 05 29 00-0605 EA 64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	1,255.45	86.80
26 05 29 00-0606 EA 66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	1,316.00	86.80
26 05 29 00-0607 EA 75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	1,335.09	86.80
26 05 29 00-0608 EA 90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	1,462.36	86.80
26 05 29 00-0609 EA 84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	3,164.63	86.80
26 05 29 00-0610 EA 96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	3,734.81	86.80

**26 05 33 Raceway and Boxes for Electrical Systems (26 05)**

**26 05 33 13 Conduit for Electrical Systems (26 05 33)**

**26 05 33 13-0001 Conduit Assemblies With Wire (26 05 33 13)**

Note: Includes conduit, fittings and wire. Excludes hangers or supports.

**26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies (26 05 33 13-0001)**

Note: Includes conduit, field bends, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0260 for larger copper conductor, 26 05 33 13-0598 for larger EMT conduit.

26 05 33 13-0003 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	774.86	214.42
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	183.81	
For 2 #12 THWN Conductor Instead Of THHN, Add	2.20	
26 05 33 13-0004 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	849.48	232.84
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	199.60	
For 3 #12 THWN Conductor Instead Of THHN, Add	3.30	
26 05 33 13-0005 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	924.09	251.26
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	215.39	
For 4 #12 THWN Conductor Instead Of THHN, Add	4.40	
26 05 33 13-0006 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	823.27	223.63
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	191.71	
For 2 #10 THWN Conductor Instead Of THHN, Add	3.29	
26 05 33 13-0007 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	917.70	245.12
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	210.13	
For 3 #10 THWN Conductor Instead Of THHN, Add	4.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0008 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... 935.85	935.85	242.05
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	207.50	
<i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	5.75	
26 05 33 13-0009 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... 873.99	873.99	231.17
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	198.13	
<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	2.20	
26 05 33 13-0010 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... 948.61	948.61	249.59
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	213.92	
<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	3.30	
26 05 33 13-0011 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... 1,023.22	1,023.22	268.02
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	229.71	
26 05 33 13-0012 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... 1,097.83	1,097.83	286.44
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	245.51	
<i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	5.49	
26 05 33 13-0013 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... 922.38	922.38	240.38
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	206.03	
<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	3.29	
26 05 33 13-0014 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... 1,016.82	1,016.82	261.88
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	224.45	
<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	4.94	
26 05 33 13-0015 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... 1,111.25	1,111.25	283.37
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	242.87	
<i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	6.59	
26 05 33 13-0016 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... 1,205.68	1,205.68	304.87
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	261.30	
<i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	8.24	
26 05 33 13-0017 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... 1,171.40	1,171.40	286.44
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	245.51	
<i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	8.62	
26 05 33 13-0018 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... 1,307.83	1,307.83	314.08
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	269.19	
<i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	11.49	
26 05 33 13-0019 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... 1,187.16	1,187.16	277.23
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	237.61	
<i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	9.50	
26 05 33 13-0020 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... 1,378.68	1,378.68	311.01
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	266.56	
<i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	14.25	
26 05 33 13-0021 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... 1,020.83	1,020.83	248.81
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	213.29	
<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	2.20	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0022 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,095.45 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 229.08 <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i> 3.30		267.23
26 05 33 13-0023 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,170.07 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 244.88		285.65
26 05 33 13-0024 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,244.69 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 260.67 <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i> 5.49		304.07
26 05 33 13-0025 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,069.22 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 221.18 <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i> 3.29		258.02
26 05 33 13-0026 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,163.66 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 239.61 <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i> 4.94		279.51
26 05 33 13-0027 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,258.09 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 258.03 <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i> 6.59		301.00
26 05 33 13-0028 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,352.52 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 276.46 <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i> 8.24		322.49
26 05 33 13-0029 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor .....1,318.25 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 260.67 <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i> 8.62		304.07
26 05 33 13-0030 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor .....1,525.54 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 281.72 <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i> 14.25		328.63
26 05 33 13-0031 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor .....1,717.06 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 310.67 <i>For 4 #6 THWN Conductor Instead Of THHN, Add</i> 19.00		362.41
<b>26 05 33 13-0032 Rigid Galvanized Steel (RGS) Conduit Assemblies</b> <small>(26 05 33 13-0001)</small> Note: Includes conduit, field bends, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0260 for larger copper conductor, 26 05 33 13-0059 for larger RGS conduit.		
26 05 33 13-0033 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,078.63 Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 209.19 <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i> 2.20		244.06
26 05 33 13-0034 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,153.24 Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 224.98 <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i> 3.30		262.49
26 05 33 13-0035 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,127.02 Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 217.08 <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i> 3.29		253.28
26 05 33 13-0036 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,221.45 Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 235.50 <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i> 4.94		274.77



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0037	CLF			1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	1,239.61  232.87 5.75	271.70
26 05 33 13-0038	CLF			3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,198.74  223.08 2.20	260.29
26 05 33 13-0039	CLF			3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,273.36  238.87 3.30	278.72
26 05 33 13-0040	CLF			3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,347.98  254.66	297.14
26 05 33 13-0041	CLF			3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,247.14  230.98 3.29	269.50
26 05 33 13-0042	CLF			3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,341.57  249.40 4.94	291.00
26 05 33 13-0043	CLF			3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,436.00  267.82 6.59	312.49
26 05 33 13-0044	CLF			3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,496.16  270.46 8.62	315.56
26 05 33 13-0045	CLF			3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,632.58  294.14 11.49	343.20
26 05 33 13-0046	CLF			3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,511.92  262.56 9.50	306.35
26 05 33 13-0047	CLF			3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,703.45  291.51 14.25	340.13
26 05 33 13-0048	CLF			1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,577.99  266.43 3.30	310.83
26 05 33 13-0049	CLF			1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,652.61  282.22	329.26
26 05 33 13-0050	CLF			1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,727.22  298.01 5.49	347.67
26 05 33 13-0051	CLF			1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,646.20  276.96 4.94	323.12
26 05 33 13-0052	CLF			1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,740.63  295.38 6.59	344.60
26 05 33 13-0053	CLF			1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,835.06  313.80 8.24	366.10

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0054	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor .....1,800.78	347.67	
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	298.01	
			For 3 #8 THWN Conductor Instead Of THHN, Add	8.62	
26 05 33 13-0055	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor .....2,008.08	372.24	
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	319.07	
			For 3 #6 THWN Conductor Instead Of THHN, Add	14.25	
26 05 33 13-0056	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor .....2,199.60	406.01	
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	348.02	
			For 4 #6 THWN Conductor Instead Of THHN, Add	19.00	
26 05 33 13-0057			<b>Conduit</b> <sup>(26 05 33 13)</sup>		
			Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0058			<b>Conduit Installed Above Grade</b> <sup>(26 05 33 13-0057)</sup>		
26 05 33 13-0059			<b>Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit</b> <sup>(26 05 33 13-0058)</sup>		
			Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0060			<b>Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling</b> <sup>(26 05 33 13-0059)</sup>		
			Note: Includes field bending for conduit up to 1".		
26 05 33 13-0061	LF		1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....7.87	1.93	
			For >250 To 500, Deduct	-0.15	
			For >500 To 1,000, Deduct	-0.47	
			For >1,000, Deduct	-0.67	
			For Installation In Metal Stud Wall, Add	0.48	
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.21	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.72	
			For Work In Restricted Working Space, Add	1.45	
			For Elevated Installation >10' To 15', Add	0.48	
			For Elevated Installation >15' To 20', Add	0.97	
			For Elevated Installation >20' To 25', Add	1.21	
			For Elevated Installation >25' To 30', Add	1.69	
			For Elevated Installation >30' To 35', Add	1.93	
			For Elevated Installation >35' To 40', Add	2.42	
			For Elevated Installation >40', Add	2.66	
26 05 33 13-0062	LF		3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....9.37	2.11	
			For >250 To 500, Deduct	-0.19	
			For >500 To 1,000, Deduct	-0.56	
			For >1,000, Deduct	-0.80	
			For Installation In Metal Stud Wall, Add	0.56	
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.41	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.84	
			For Work In Restricted Working Space, Add	1.69	
			For Elevated Installation >10' To 15', Add	0.56	
			For Elevated Installation >15' To 20', Add	1.12	
			For Elevated Installation >20' To 25', Add	1.41	
			For Elevated Installation >25' To 30', Add	1.97	
			For Elevated Installation >30' To 35', Add	2.25	
			For Elevated Installation >35' To 40', Add	2.81	
			For Elevated Installation >40', Add	3.09	
26 05 33 13-0063	LF		1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....13.34	2.46	
			For >250 To 500, Deduct	-0.29	
			For >500 To 1,000, Deduct	-0.81	
			For >1,000, Deduct	-1.15	
			For Installation In Metal Stud Wall, Add	0.75	
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.89	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.13	
			For Work In Restricted Working Space, Add	2.26	
			For Elevated Installation >10' To 15', Add	0.75	
			For Elevated Installation >15' To 20', Add	1.51	
			For Elevated Installation >20' To 25', Add	1.89	
			For Elevated Installation >25' To 30', Add	2.64	
			For Elevated Installation >30' To 35', Add	3.02	
			For Elevated Installation >35' To 40', Add	3.77	
			For Elevated Installation >40', Add	4.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0064    LF    1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	15.72	2.81
For >250 To 500, Deduct	-0.39	
For >500 To 1,000, Deduct	-0.98	
For >1,000, Deduct	-1.37	
For Installation In Metal Stud Wall, Add	0.80	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.00	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.20	
For Work In Restricted Working Space, Add	2.40	
For Elevated Installation >10' To 15', Add	0.80	
For Elevated Installation >15' To 20', Add	1.60	
For Elevated Installation >20' To 25', Add	2.00	
For Elevated Installation >25' To 30', Add	2.80	
For Elevated Installation >30' To 35', Add	3.20	
For Elevated Installation >35' To 40', Add	4.00	
For Elevated Installation >40', Add	4.39	
26 05 33 13-0065    LF    1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	18.23	3.16
For >250 To 500, Deduct	-0.47	
For >500 To 1,000, Deduct	-1.15	
For >1,000, Deduct	-1.60	
For Installation In Metal Stud Wall, Add	0.88	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.19	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.32	
For Work In Restricted Working Space, Add	2.63	
For Elevated Installation >10' To 15', Add	0.88	
For Elevated Installation >15' To 20', Add	1.75	
For Elevated Installation >20' To 25', Add	2.19	
For Elevated Installation >25' To 30', Add	3.07	
For Elevated Installation >30' To 35', Add	3.51	
For Elevated Installation >35' To 40', Add	4.39	
For Elevated Installation >40', Add	4.82	
26 05 33 13-0066    LF    2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	23.45	3.86
For >250 To 500, Deduct	-0.63	
For >500 To 1,000, Deduct	-1.49	
For >1,000, Deduct	-2.08	
For Installation In Metal Stud Wall, Add	1.08	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.70	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.62	
For Work In Restricted Working Space, Add	3.24	
For Elevated Installation >10' To 15', Add	1.08	
For Elevated Installation >15' To 20', Add	2.16	
For Elevated Installation >20' To 25', Add	2.70	
For Elevated Installation >25' To 30', Add	3.78	
For Elevated Installation >30' To 35', Add	4.32	
For Elevated Installation >35' To 40', Add	5.40	
For Elevated Installation >40', Add	5.93	
26 05 33 13-0067    LF    2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	35.63	5.27
For >250 To 500, Deduct	-1.05	
For >500 To 1,000, Deduct	-2.31	
For >1,000, Deduct	-3.20	
For Installation In Metal Stud Wall, Add	1.47	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.66	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.20	
For Work In Restricted Working Space, Add	4.40	
For Elevated Installation >10' To 15', Add	1.47	
For Elevated Installation >15' To 20', Add	2.93	
For Elevated Installation >20' To 25', Add	3.66	
For Elevated Installation >25' To 30', Add	5.13	
For Elevated Installation >30' To 35', Add	5.86	
For Elevated Installation >35' To 40', Add	7.33	
For Elevated Installation >40', Add	8.06	
26 05 33 13-0068    LF    3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	46.43	7.02
For >250 To 500, Deduct	-1.33	
For >500 To 1,000, Deduct	-2.99	
For >1,000, Deduct	-4.15	
For Installation In Metal Stud Wall, Add	1.97	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.94	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.96	
For Work In Restricted Working Space, Add	5.92	
For Elevated Installation >10' To 15', Add	1.97	
For Elevated Installation >15' To 20', Add	3.95	
For Elevated Installation >20' To 25', Add	4.94	
For Elevated Installation >25' To 30', Add	6.91	
For Elevated Installation >30' To 35', Add	7.90	
For Elevated Installation >35' To 40', Add	9.87	
For Elevated Installation >40', Add	10.86	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0069 LF 3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	56.00	8.77
For >250 To 500, Deduct	-1.63	
For >500 To 1,000, Deduct	-3.61	
For >1,000, Deduct	-5.01	
For Installation In Metal Stud Wall, Add	2.34	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.86	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.51	
For Work In Restricted Working Space, Add	7.03	
For Elevated Installation >10' To 15', Add	2.34	
For Elevated Installation >15' To 20', Add	4.69	
For Elevated Installation >20' To 25', Add	5.86	
For Elevated Installation >25' To 30', Add	8.20	
For Elevated Installation >30' To 35', Add	9.37	
For Elevated Installation >35' To 40', Add	11.72	
For Elevated Installation >40', Add	12.89	
26 05 33 13-0070 LF 4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	66.81	10.52
For >250 To 500, Deduct	-1.99	
For >500 To 1,000, Deduct	-4.34	
For >1,000, Deduct	-6.01	
For Installation In Metal Stud Wall, Add	2.70	
For Installation In Wood Stud Wall (Includes Drilling), Add	6.76	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.05	
For Work In Restricted Working Space, Add	8.11	
For Elevated Installation >10' To 15', Add	2.70	
For Elevated Installation >15' To 20', Add	5.40	
For Elevated Installation >20' To 25', Add	6.76	
For Elevated Installation >25' To 30', Add	9.46	
For Elevated Installation >30' To 35', Add	10.81	
For Elevated Installation >35' To 40', Add	13.51	
For Elevated Installation >40', Add	14.86	
26 05 33 13-0071 LF 5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	110.15	13.33
For >250 To 500, Deduct	-3.84	
For >500 To 1,000, Deduct	-7.43	
For >1,000, Deduct	-10.18	
For Installation In Metal Stud Wall, Add	3.33	
For Installation In Wood Stud Wall (Includes Drilling), Add	8.34	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	5.00	
For Work In Restricted Working Space, Add	10.00	
For Elevated Installation >10' To 15', Add	3.33	
For Elevated Installation >15' To 20', Add	6.67	
For Elevated Installation >20' To 25', Add	8.34	
For Elevated Installation >25' To 30', Add	11.67	
For Elevated Installation >30' To 35', Add	13.34	
For Elevated Installation >35' To 40', Add	16.67	
For Elevated Installation >40', Add	18.34	
26 05 33 13-0072 LF 6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	150.08	16.84
For >250 To 500, Deduct	-5.40	
For >500 To 1,000, Deduct	-10.20	
For >1,000, Deduct	-13.96	
For Installation In Metal Stud Wall, Add	4.21	
For Installation In Wood Stud Wall (Includes Drilling), Add	10.53	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	6.32	
For Work In Restricted Working Space, Add	12.64	
For Elevated Installation >10' To 15', Add	4.21	
For Elevated Installation >15' To 20', Add	8.42	
For Elevated Installation >20' To 25', Add	10.53	
For Elevated Installation >25' To 30', Add	14.74	
For Elevated Installation >30' To 35', Add	16.85	
For Elevated Installation >35' To 40', Add	21.06	
For Elevated Installation >40', Add	23.17	
<b>26 05 33 13-0073 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2248 for conduit field bending.		
26 05 33 13-0074 EA 1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	26.22	8.69
For Work In Restricted Working Space, Add	6.53	
For Elevated Installation >10' To 15', Add	2.18	
For Elevated Installation >15' To 20', Add	4.36	
For Elevated Installation >20' To 25', Add	5.45	
For Elevated Installation >25' To 30', Add	7.62	
For Elevated Installation >30' To 35', Add	8.71	
For Elevated Installation >35' To 40', Add	10.89	
For Elevated Installation >40', Add	11.98	
26 05 33 13-0075 EA 3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	32.94	10.79
For Work In Restricted Working Space, Add	8.12	
For Elevated Installation >10' To 15', Add	2.71	
For Elevated Installation >15' To 20', Add	5.42	
For Elevated Installation >20' To 25', Add	6.77	
For Elevated Installation >25' To 30', Add	9.48	
For Elevated Installation >30' To 35', Add	10.83	
For Elevated Installation >35' To 40', Add	13.54	
For Elevated Installation >40', Add	14.89	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0076 EA 1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	42.05	13.24
For Work In Restricted Working Space, Add	9.91	
For Elevated Installation >10' To 15', Add	3.30	
For Elevated Installation >15' To 20', Add	6.61	
For Elevated Installation >20' To 25', Add	8.26	
For Elevated Installation >25' To 30', Add	11.56	
For Elevated Installation >30' To 35', Add	13.21	
For Elevated Installation >35' To 40', Add	16.52	
For Elevated Installation >40', Add	18.17	
26 05 33 13-0077 EA 1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	53.77	15.35
For Work In Restricted Working Space, Add	11.51	
For Elevated Installation >10' To 15', Add	3.84	
For Elevated Installation >15' To 20', Add	7.67	
For Elevated Installation >20' To 25', Add	9.59	
For Elevated Installation >25' To 30', Add	13.42	
For Elevated Installation >30' To 35', Add	15.34	
For Elevated Installation >35' To 40', Add	19.18	
For Elevated Installation >40', Add	21.09	
26 05 33 13-0078 EA 1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	62.42	17.64
For Work In Restricted Working Space, Add	13.21	
For Elevated Installation >10' To 15', Add	4.40	
For Elevated Installation >15' To 20', Add	8.80	
For Elevated Installation >20' To 25', Add	11.01	
For Elevated Installation >25' To 30', Add	15.41	
For Elevated Installation >30' To 35', Add	17.61	
For Elevated Installation >35' To 40', Add	22.01	
For Elevated Installation >40', Add	24.21	
26 05 33 13-0079 EA 2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	73.71	19.39
For Work In Restricted Working Space, Add	14.53	
For Elevated Installation >10' To 15', Add	4.84	
For Elevated Installation >15' To 20', Add	9.68	
For Elevated Installation >20' To 25', Add	12.11	
For Elevated Installation >25' To 30', Add	16.95	
For Elevated Installation >30' To 35', Add	19.37	
For Elevated Installation >35' To 40', Add	24.21	
For Elevated Installation >40', Add	26.63	
26 05 33 13-0080 EA 2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	105.60	24.22
For Work In Restricted Working Space, Add	18.16	
For Elevated Installation >10' To 15', Add	6.05	
For Elevated Installation >15' To 20', Add	12.11	
For Elevated Installation >20' To 25', Add	15.13	
For Elevated Installation >25' To 30', Add	21.19	
For Elevated Installation >30' To 35', Add	24.21	
For Elevated Installation >35' To 40', Add	30.27	
For Elevated Installation >40', Add	33.29	
26 05 33 13-0081 EA 3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	149.54	32.99
For Work In Restricted Working Space, Add	24.74	
For Elevated Installation >10' To 15', Add	8.25	
For Elevated Installation >15' To 20', Add	16.49	
For Elevated Installation >20' To 25', Add	20.61	
For Elevated Installation >25' To 30', Add	28.86	
For Elevated Installation >30' To 35', Add	32.98	
For Elevated Installation >35' To 40', Add	41.23	
For Elevated Installation >40', Add	45.35	
26 05 33 13-0082 EA 3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	197.90	37.20
For Work In Restricted Working Space, Add	27.90	
For Elevated Installation >10' To 15', Add	9.30	
For Elevated Installation >15' To 20', Add	18.60	
For Elevated Installation >20' To 25', Add	23.25	
For Elevated Installation >25' To 30', Add	32.55	
For Elevated Installation >30' To 35', Add	37.20	
For Elevated Installation >35' To 40', Add	46.51	
For Elevated Installation >40', Add	51.16	
26 05 33 13-0083 EA 4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	241.93	48.43
For Work In Restricted Working Space, Add	36.32	
For Elevated Installation >10' To 15', Add	12.11	
For Elevated Installation >15' To 20', Add	24.21	
For Elevated Installation >20' To 25', Add	30.26	
For Elevated Installation >25' To 30', Add	42.37	
For Elevated Installation >30' To 35', Add	48.42	
For Elevated Installation >35' To 40', Add	60.53	
For Elevated Installation >40', Add	66.58	
26 05 33 13-0084 EA 5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	395.74	78.95
For Work In Restricted Working Space, Add	59.22	
For Elevated Installation >10' To 15', Add	19.74	
For Elevated Installation >15' To 20', Add	39.48	
For Elevated Installation >20' To 25', Add	49.35	
For Elevated Installation >25' To 30', Add	69.09	
For Elevated Installation >30' To 35', Add	78.96	
For Elevated Installation >35' To 40', Add	98.70	
For Elevated Installation >40', Add	108.57	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0085	EA 6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	594.96 88.95 29.65 59.30 74.13 103.78 118.60 148.26 163.08	118.61
26 05 33 13-0086	<b>Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow</b> (26 05 33 13-0059) See CSI section 26 05 33 13-2248 for conduit field bending.		
26 05 33 13-0087	EA 1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	26.22 6.53 2.18 4.36 5.45 7.62 8.71 10.89 11.98	8.69
26 05 33 13-0088	EA 3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	32.94 8.12 2.71 5.42 6.77 9.48 10.83 13.54 14.89	10.79
26 05 33 13-0089	EA 1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	42.05 9.91 3.30 6.61 8.26 11.56 13.21 16.52 18.17	13.24
26 05 33 13-0090	EA 1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	53.77 11.51 3.84 7.67 9.59 13.42 15.34 19.18 21.09	15.35
26 05 33 13-0091	EA 1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	62.42 13.21 4.40 8.80 11.01 15.41 17.61 22.01 24.21	17.64
26 05 33 13-0092	EA 2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	73.71 14.53 4.84 9.68 12.11 16.95 19.37 24.21 26.63	19.39
26 05 33 13-0093	EA 2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	103.77 18.16 6.05 12.11 15.13 21.19 24.21 30.27 33.29	24.22
26 05 33 13-0094	EA 3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	142.42 24.74 8.25 16.49 20.61 28.86 32.98 41.23 45.35	32.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0095 EA 3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	187.88	37.20
<i>For Work In Restricted Working Space, Add</i>	27.90	
<i>For Elevated Installation &gt;10' To 15', Add</i>	9.30	
<i>For Elevated Installation &gt;15' To 20', Add</i>	18.60	
<i>For Elevated Installation &gt;20' To 25', Add</i>	23.25	
<i>For Elevated Installation &gt;25' To 30', Add</i>	32.55	
<i>For Elevated Installation &gt;30' To 35', Add</i>	37.20	
<i>For Elevated Installation &gt;35' To 40', Add</i>	46.51	
<i>For Elevated Installation &gt;40', Add</i>	51.16	
26 05 33 13-0096 EA 4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	228.60	48.43
<i>For Work In Restricted Working Space, Add</i>	36.32	
<i>For Elevated Installation &gt;10' To 15', Add</i>	12.11	
<i>For Elevated Installation &gt;15' To 20', Add</i>	24.21	
<i>For Elevated Installation &gt;20' To 25', Add</i>	30.26	
<i>For Elevated Installation &gt;25' To 30', Add</i>	42.37	
<i>For Elevated Installation &gt;30' To 35', Add</i>	48.42	
<i>For Elevated Installation &gt;35' To 40', Add</i>	60.53	
<i>For Elevated Installation &gt;40', Add</i>	66.58	
26 05 33 13-0097 EA 5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	395.74	78.95
<i>For Work In Restricted Working Space, Add</i>	59.22	
<i>For Elevated Installation &gt;10' To 15', Add</i>	19.74	
<i>For Elevated Installation &gt;15' To 20', Add</i>	39.48	
<i>For Elevated Installation &gt;20' To 25', Add</i>	49.35	
<i>For Elevated Installation &gt;25' To 30', Add</i>	69.09	
<i>For Elevated Installation &gt;30' To 35', Add</i>	78.96	
<i>For Elevated Installation &gt;35' To 40', Add</i>	98.70	
<i>For Elevated Installation &gt;40', Add</i>	108.57	
26 05 33 13-0098 EA 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	594.96	118.61
<i>For Work In Restricted Working Space, Add</i>	88.95	
<i>For Elevated Installation &gt;10' To 15', Add</i>	29.65	
<i>For Elevated Installation &gt;15' To 20', Add</i>	59.30	
<i>For Elevated Installation &gt;20' To 25', Add</i>	74.13	
<i>For Elevated Installation &gt;25' To 30', Add</i>	103.78	
<i>For Elevated Installation &gt;30' To 35', Add</i>	118.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	148.26	
<i>For Elevated Installation &gt;40', Add</i>	163.08	
<b>26 05 33 13-0099 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2248 for conduit field bending.		
26 05 33 13-0100 EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	64.82	21.67
<i>For Work In Restricted Working Space, Add</i>	13.00	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.33	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.67	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.84	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.17	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.34	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.67	
<i>For Elevated Installation &gt;40', Add</i>	23.84	
26 05 33 13-0101 EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	74.70	25.09
<i>For Work In Restricted Working Space, Add</i>	15.05	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.02	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.04	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.55	
<i>For Elevated Installation &gt;25' To 30', Add</i>	17.56	
<i>For Elevated Installation &gt;30' To 35', Add</i>	20.07	
<i>For Elevated Installation &gt;35' To 40', Add</i>	25.09	
<i>For Elevated Installation &gt;40', Add</i>	27.60	
26 05 33 13-0102 EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	86.39	28.51
<i>For Work In Restricted Working Space, Add</i>	17.11	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.70	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.40	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.26	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	22.81	
<i>For Elevated Installation &gt;35' To 40', Add</i>	28.51	
<i>For Elevated Installation &gt;40', Add</i>	31.36	
26 05 33 13-0103 EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	97.34	31.36
<i>For Work In Restricted Working Space, Add</i>	18.82	
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
<i>For Elevated Installation &gt;40', Add</i>	34.50	

**26 05 33 13-0104 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow** (26 05 33 13-0059)  
 See CSI section 26 05 33 13-2248 for conduit field bending.

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0105	EA	1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	70.39	21.67
			<i>For Work In Restricted Working Space, Add</i>	13.00	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.84	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.17	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.67	
			<i>For Elevated Installation &gt;40', Add</i>	23.84	
26 05 33	13-0106	EA	1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	81.86	25.09
			<i>For Work In Restricted Working Space, Add</i>	15.05	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.02	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.56	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	25.09	
			<i>For Elevated Installation &gt;40', Add</i>	27.60	
26 05 33	13-0107	EA	1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	89.65	28.51
			<i>For Work In Restricted Working Space, Add</i>	17.11	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.70	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.40	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.26	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.81	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.51	
			<i>For Elevated Installation &gt;40', Add</i>	31.36	
26 05 33	13-0108	EA	2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	100.98	31.36
			<i>For Work In Restricted Working Space, Add</i>	18.82	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
			<i>For Elevated Installation &gt;40', Add</i>	34.50	
26 05 33	13-0109	EA	2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	134.20	39.35
			<i>For Work In Restricted Working Space, Add</i>	23.61	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.87	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.67	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.48	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.35	
			<i>For Elevated Installation &gt;40', Add</i>	43.28	
26 05 33	13-0110	EA	3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	180.62	53.60
			<i>For Work In Restricted Working Space, Add</i>	32.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	37.52	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.88	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	53.60	
			<i>For Elevated Installation &gt;40', Add</i>	58.96	
26 05 33	13-0111		<b>Rigid Galvanized Steel (RGS) 18" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
			See CSI section 26 05 33 13-2248 for conduit field bending.		
26 05 33	13-0112	EA	1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	70.65	21.67
			<i>For Work In Restricted Working Space, Add</i>	13.00	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.84	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.17	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.67	
			<i>For Elevated Installation &gt;40', Add</i>	23.84	
26 05 33	13-0113	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	81.15	25.09
			<i>For Work In Restricted Working Space, Add</i>	15.05	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.02	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.56	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	25.09	
			<i>For Elevated Installation &gt;40', Add</i>	27.60	
26 05 33	13-0114	EA	1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	93.18	28.51
			<i>For Work In Restricted Working Space, Add</i>	17.11	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.70	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.40	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.26	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.81	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.51	
			<i>For Elevated Installation &gt;40', Add</i>	31.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0115 EA 2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	108.87	31.36
<i>For Work In Restricted Working Space, Add</i>	18.82	
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
<i>For Elevated Installation &gt;40', Add</i>	34.50	
26 05 33 13-0116 EA 2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	141.56	39.35
<i>For Work In Restricted Working Space, Add</i>	23.61	
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.67	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.54	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.48	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.35	
<i>For Elevated Installation &gt;40', Add</i>	43.28	
26 05 33 13-0117 EA 3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	186.55	53.60
<i>For Work In Restricted Working Space, Add</i>	32.16	
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	21.44	
<i>For Elevated Installation &gt;20' To 25', Add</i>	26.80	
<i>For Elevated Installation &gt;25' To 30', Add</i>	37.52	
<i>For Elevated Installation &gt;30' To 35', Add</i>	42.88	
<i>For Elevated Installation &gt;35' To 40', Add</i>	53.60	
<i>For Elevated Installation &gt;40', Add</i>	58.96	
26 05 33 13-0118 EA 3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	233.06	60.44
<i>For Work In Restricted Working Space, Add</i>	36.27	
<i>For Elevated Installation &gt;10' To 15', Add</i>	12.09	
<i>For Elevated Installation &gt;15' To 20', Add</i>	24.18	
<i>For Elevated Installation &gt;20' To 25', Add</i>	30.23	
<i>For Elevated Installation &gt;25' To 30', Add</i>	42.32	
<i>For Elevated Installation &gt;30' To 35', Add</i>	48.36	
<i>For Elevated Installation &gt;35' To 40', Add</i>	60.45	
<i>For Elevated Installation &gt;40', Add</i>	66.50	
26 05 33 13-0119 EA 4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	282.71	78.69
<i>For Work In Restricted Working Space, Add</i>	47.21	
<i>For Elevated Installation &gt;10' To 15', Add</i>	15.74	
<i>For Elevated Installation &gt;15' To 20', Add</i>	31.48	
<i>For Elevated Installation &gt;20' To 25', Add</i>	39.35	
<i>For Elevated Installation &gt;25' To 30', Add</i>	55.08	
<i>For Elevated Installation &gt;30' To 35', Add</i>	62.95	
<i>For Elevated Installation &gt;35' To 40', Add</i>	78.69	
<i>For Elevated Installation &gt;40', Add</i>	86.56	
<b>26 05 33 13-0120 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
<i>See CSI section 26 05 33 13-2248 for conduit field bending.</i>		
26 05 33 13-0121 EA 1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	79.54	21.67
<i>For Work In Restricted Working Space, Add</i>	13.00	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.33	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.67	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.84	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.17	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.34	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.67	
<i>For Elevated Installation &gt;40', Add</i>	23.84	
26 05 33 13-0122 EA 1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	89.87	25.09
<i>For Work In Restricted Working Space, Add</i>	15.05	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.02	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.04	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.55	
<i>For Elevated Installation &gt;25' To 30', Add</i>	17.56	
<i>For Elevated Installation &gt;30' To 35', Add</i>	20.07	
<i>For Elevated Installation &gt;35' To 40', Add</i>	25.09	
<i>For Elevated Installation &gt;40', Add</i>	27.60	
26 05 33 13-0123 EA 1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	99.71	28.51
<i>For Work In Restricted Working Space, Add</i>	17.11	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.70	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.40	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.26	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	22.81	
<i>For Elevated Installation &gt;35' To 40', Add</i>	28.51	
<i>For Elevated Installation &gt;40', Add</i>	31.36	
26 05 33 13-0124 EA 2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	118.50	31.36
<i>For Work In Restricted Working Space, Add</i>	18.82	
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
<i>For Elevated Installation &gt;40', Add</i>	34.50	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0125 EA 2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	154.68	39.35
For Work In Restricted Working Space, Add	23.61	
For Elevated Installation >10' To 15', Add	7.87	
For Elevated Installation >15' To 20', Add	15.74	
For Elevated Installation >20' To 25', Add	19.67	
For Elevated Installation >25' To 30', Add	27.54	
For Elevated Installation >30' To 35', Add	31.48	
For Elevated Installation >35' To 40', Add	39.35	
For Elevated Installation >40', Add	43.28	
26 05 33 13-0126 EA 3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	207.12	53.60
For Work In Restricted Working Space, Add	32.16	
For Elevated Installation >10' To 15', Add	10.72	
For Elevated Installation >15' To 20', Add	21.44	
For Elevated Installation >20' To 25', Add	26.80	
For Elevated Installation >25' To 30', Add	37.52	
For Elevated Installation >30' To 35', Add	42.88	
For Elevated Installation >35' To 40', Add	53.60	
For Elevated Installation >40', Add	58.96	
26 05 33 13-0127 EA 3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	253.06	60.44
For Work In Restricted Working Space, Add	36.27	
For Elevated Installation >10' To 15', Add	12.09	
For Elevated Installation >15' To 20', Add	24.18	
For Elevated Installation >20' To 25', Add	30.23	
For Elevated Installation >25' To 30', Add	42.32	
For Elevated Installation >30' To 35', Add	48.36	
For Elevated Installation >35' To 40', Add	60.45	
For Elevated Installation >40', Add	66.50	
26 05 33 13-0128 EA 4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	298.65	78.69
For Work In Restricted Working Space, Add	47.21	
For Elevated Installation >10' To 15', Add	15.74	
For Elevated Installation >15' To 20', Add	31.48	
For Elevated Installation >20' To 25', Add	39.35	
For Elevated Installation >25' To 30', Add	55.08	
For Elevated Installation >30' To 35', Add	62.95	
For Elevated Installation >35' To 40', Add	78.69	
For Elevated Installation >40', Add	86.56	
<b>26 05 33 13-0129 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2248 for conduit field bending.		
26 05 33 13-0130 EA 1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	79.00	21.67
For Work In Restricted Working Space, Add	13.00	
For Elevated Installation >10' To 15', Add	4.33	
For Elevated Installation >15' To 20', Add	8.67	
For Elevated Installation >20' To 25', Add	10.84	
For Elevated Installation >25' To 30', Add	15.17	
For Elevated Installation >30' To 35', Add	17.34	
For Elevated Installation >35' To 40', Add	21.67	
For Elevated Installation >40', Add	23.84	
26 05 33 13-0131 EA 1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	96.35	25.09
For Work In Restricted Working Space, Add	15.05	
For Elevated Installation >10' To 15', Add	5.02	
For Elevated Installation >15' To 20', Add	10.04	
For Elevated Installation >20' To 25', Add	12.55	
For Elevated Installation >25' To 30', Add	17.56	
For Elevated Installation >30' To 35', Add	20.07	
For Elevated Installation >35' To 40', Add	25.09	
For Elevated Installation >40', Add	27.60	
26 05 33 13-0132 EA 1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	106.72	28.51
For Work In Restricted Working Space, Add	17.11	
For Elevated Installation >10' To 15', Add	5.70	
For Elevated Installation >15' To 20', Add	11.40	
For Elevated Installation >20' To 25', Add	14.26	
For Elevated Installation >25' To 30', Add	19.96	
For Elevated Installation >30' To 35', Add	22.81	
For Elevated Installation >35' To 40', Add	28.51	
For Elevated Installation >40', Add	31.36	
26 05 33 13-0133 EA 2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	127.66	31.36
For Work In Restricted Working Space, Add	18.82	
For Elevated Installation >10' To 15', Add	6.27	
For Elevated Installation >15' To 20', Add	12.55	
For Elevated Installation >20' To 25', Add	15.68	
For Elevated Installation >25' To 30', Add	21.96	
For Elevated Installation >30' To 35', Add	25.09	
For Elevated Installation >35' To 40', Add	31.37	
For Elevated Installation >40', Add	34.50	
26 05 33 13-0134 EA 2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	167.27	39.35
For Work In Restricted Working Space, Add	23.61	
For Elevated Installation >10' To 15', Add	7.87	
For Elevated Installation >15' To 20', Add	15.74	
For Elevated Installation >20' To 25', Add	19.67	
For Elevated Installation >25' To 30', Add	27.54	
For Elevated Installation >30' To 35', Add	31.48	
For Elevated Installation >35' To 40', Add	39.35	
For Elevated Installation >40', Add	43.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0135 EA 3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	223.37	53.60
For Work In Restricted Working Space, Add	32.16	
For Elevated Installation >10' To 15', Add	10.72	
For Elevated Installation >15' To 20', Add	21.44	
For Elevated Installation >20' To 25', Add	26.80	
For Elevated Installation >25' To 30', Add	37.52	
For Elevated Installation >30' To 35', Add	42.88	
For Elevated Installation >35' To 40', Add	53.60	
For Elevated Installation >40', Add	58.96	
26 05 33 13-0136 EA 3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	272.84	60.44
For Work In Restricted Working Space, Add	36.27	
For Elevated Installation >10' To 15', Add	12.09	
For Elevated Installation >15' To 20', Add	24.18	
For Elevated Installation >20' To 25', Add	30.23	
For Elevated Installation >25' To 30', Add	42.32	
For Elevated Installation >30' To 35', Add	48.36	
For Elevated Installation >35' To 40', Add	60.45	
For Elevated Installation >40', Add	66.50	
26 05 33 13-0137 EA 4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	327.92	78.69
For Work In Restricted Working Space, Add	47.21	
For Elevated Installation >10' To 15', Add	15.74	
For Elevated Installation >15' To 20', Add	31.48	
For Elevated Installation >20' To 25', Add	39.35	
For Elevated Installation >25' To 30', Add	55.08	
For Elevated Installation >30' To 35', Add	62.95	
For Elevated Installation >35' To 40', Add	78.69	
For Elevated Installation >40', Add	86.56	
26 05 33 13-0138 EA 5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	475.66	128.30
For Work In Restricted Working Space, Add	76.98	
For Elevated Installation >10' To 15', Add	25.66	
For Elevated Installation >15' To 20', Add	51.32	
For Elevated Installation >20' To 25', Add	64.15	
For Elevated Installation >25' To 30', Add	89.81	
For Elevated Installation >30' To 35', Add	102.64	
For Elevated Installation >35' To 40', Add	128.31	
For Elevated Installation >40', Add	141.14	
<b>26 05 33 13-0139 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2248 for conduit field bending.		
26 05 33 13-0140 EA 1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	83.74	21.67
For Work In Restricted Working Space, Add	13.00	
For Elevated Installation >10' To 15', Add	4.33	
For Elevated Installation >15' To 20', Add	8.67	
For Elevated Installation >20' To 25', Add	10.84	
For Elevated Installation >25' To 30', Add	15.17	
For Elevated Installation >30' To 35', Add	17.34	
For Elevated Installation >35' To 40', Add	21.67	
For Elevated Installation >40', Add	23.84	
26 05 33 13-0141 EA 1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	99.54	25.09
For Work In Restricted Working Space, Add	15.05	
For Elevated Installation >10' To 15', Add	5.02	
For Elevated Installation >15' To 20', Add	10.04	
For Elevated Installation >20' To 25', Add	12.55	
For Elevated Installation >25' To 30', Add	17.56	
For Elevated Installation >30' To 35', Add	20.07	
For Elevated Installation >35' To 40', Add	25.09	
For Elevated Installation >40', Add	27.60	
26 05 33 13-0142 EA 1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	119.01	28.51
For Work In Restricted Working Space, Add	17.11	
For Elevated Installation >10' To 15', Add	5.70	
For Elevated Installation >15' To 20', Add	11.40	
For Elevated Installation >20' To 25', Add	14.26	
For Elevated Installation >25' To 30', Add	19.96	
For Elevated Installation >30' To 35', Add	22.81	
For Elevated Installation >35' To 40', Add	28.51	
For Elevated Installation >40', Add	31.36	
26 05 33 13-0143 EA 2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	134.82	31.36
For Work In Restricted Working Space, Add	18.82	
For Elevated Installation >10' To 15', Add	6.27	
For Elevated Installation >15' To 20', Add	12.55	
For Elevated Installation >20' To 25', Add	15.68	
For Elevated Installation >25' To 30', Add	21.96	
For Elevated Installation >30' To 35', Add	25.09	
For Elevated Installation >35' To 40', Add	31.37	
For Elevated Installation >40', Add	34.50	
26 05 33 13-0144 EA 2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	182.20	39.35
For Work In Restricted Working Space, Add	23.61	
For Elevated Installation >10' To 15', Add	7.87	
For Elevated Installation >15' To 20', Add	15.74	
For Elevated Installation >20' To 25', Add	19.67	
For Elevated Installation >25' To 30', Add	27.54	
For Elevated Installation >30' To 35', Add	31.48	
For Elevated Installation >35' To 40', Add	39.35	
For Elevated Installation >40', Add	43.28	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0145 EA 3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	237.26	53.60
For Work In Restricted Working Space, Add	32.16	
For Elevated Installation >10' To 15', Add	10.72	
For Elevated Installation >15' To 20', Add	21.44	
For Elevated Installation >20' To 25', Add	26.80	
For Elevated Installation >25' To 30', Add	37.52	
For Elevated Installation >30' To 35', Add	42.88	
For Elevated Installation >35' To 40', Add	53.60	
For Elevated Installation >40', Add	58.96	
26 05 33 13-0146 EA 3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	298.37	60.44
For Work In Restricted Working Space, Add	36.27	
For Elevated Installation >10' To 15', Add	12.09	
For Elevated Installation >15' To 20', Add	24.18	
For Elevated Installation >20' To 25', Add	30.23	
For Elevated Installation >25' To 30', Add	42.32	
For Elevated Installation >30' To 35', Add	48.36	
For Elevated Installation >35' To 40', Add	60.45	
For Elevated Installation >40', Add	66.50	
26 05 33 13-0147 EA 4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	341.69	78.69
For Work In Restricted Working Space, Add	47.21	
For Elevated Installation >10' To 15', Add	15.74	
For Elevated Installation >15' To 20', Add	31.48	
For Elevated Installation >20' To 25', Add	39.35	
For Elevated Installation >25' To 30', Add	55.08	
For Elevated Installation >30' To 35', Add	62.95	
For Elevated Installation >35' To 40', Add	78.69	
For Elevated Installation >40', Add	86.56	
26 05 33 13-0148 EA 5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	587.99	128.30
For Work In Restricted Working Space, Add	76.98	
For Elevated Installation >10' To 15', Add	25.66	
For Elevated Installation >15' To 20', Add	51.32	
For Elevated Installation >20' To 25', Add	64.15	
For Elevated Installation >25' To 30', Add	89.81	
For Elevated Installation >30' To 35', Add	102.64	
For Elevated Installation >35' To 40', Add	128.31	
For Elevated Installation >40', Add	141.14	
26 05 33 13-0149 EA 6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	749.55	192.75
For Work In Restricted Working Space, Add	115.65	
For Elevated Installation >10' To 15', Add	38.55	
For Elevated Installation >15' To 20', Add	77.10	
For Elevated Installation >20' To 25', Add	96.37	
For Elevated Installation >25' To 30', Add	134.92	
For Elevated Installation >30' To 35', Add	154.20	
For Elevated Installation >35' To 40', Add	192.75	
For Elevated Installation >40', Add	212.02	
<b>26 05 33 13-0150 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2248 for conduit field bending.		
26 05 33 13-0151 EA 1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	90.69	21.67
For Work In Restricted Working Space, Add	13.00	
For Elevated Installation >10' To 15', Add	4.33	
For Elevated Installation >15' To 20', Add	8.67	
For Elevated Installation >20' To 25', Add	10.84	
For Elevated Installation >25' To 30', Add	15.17	
For Elevated Installation >30' To 35', Add	17.34	
For Elevated Installation >35' To 40', Add	21.67	
For Elevated Installation >40', Add	23.84	
26 05 33 13-0152 EA 1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	108.03	25.09
For Work In Restricted Working Space, Add	15.05	
For Elevated Installation >10' To 15', Add	5.02	
For Elevated Installation >15' To 20', Add	10.04	
For Elevated Installation >20' To 25', Add	12.55	
For Elevated Installation >25' To 30', Add	17.56	
For Elevated Installation >30' To 35', Add	20.07	
For Elevated Installation >35' To 40', Add	25.09	
For Elevated Installation >40', Add	27.60	
26 05 33 13-0153 EA 1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	128.04	28.51
For Work In Restricted Working Space, Add	17.11	
For Elevated Installation >10' To 15', Add	5.70	
For Elevated Installation >15' To 20', Add	11.40	
For Elevated Installation >20' To 25', Add	14.26	
For Elevated Installation >25' To 30', Add	19.96	
For Elevated Installation >30' To 35', Add	22.81	
For Elevated Installation >35' To 40', Add	28.51	
For Elevated Installation >40', Add	31.36	
26 05 33 13-0154 EA 2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	144.26	31.36
For Work In Restricted Working Space, Add	18.82	
For Elevated Installation >10' To 15', Add	6.27	
For Elevated Installation >15' To 20', Add	12.55	
For Elevated Installation >20' To 25', Add	15.68	
For Elevated Installation >25' To 30', Add	21.96	
For Elevated Installation >30' To 35', Add	25.09	
For Elevated Installation >35' To 40', Add	31.37	
For Elevated Installation >40', Add	34.50	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0155 EA 2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	193.62	39.35
For Work In Restricted Working Space, Add	23.61	
For Elevated Installation >10' To 15', Add	7.87	
For Elevated Installation >15' To 20', Add	15.74	
For Elevated Installation >20' To 25', Add	19.67	
For Elevated Installation >25' To 30', Add	27.54	
For Elevated Installation >30' To 35', Add	31.48	
For Elevated Installation >35' To 40', Add	39.35	
For Elevated Installation >40', Add	43.28	
26 05 33 13-0156 EA 3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	257.62	53.60
For Work In Restricted Working Space, Add	32.16	
For Elevated Installation >10' To 15', Add	10.72	
For Elevated Installation >15' To 20', Add	21.44	
For Elevated Installation >20' To 25', Add	26.80	
For Elevated Installation >25' To 30', Add	37.52	
For Elevated Installation >30' To 35', Add	42.88	
For Elevated Installation >35' To 40', Add	53.60	
For Elevated Installation >40', Add	58.96	
26 05 33 13-0157 EA 3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	318.79	60.44
For Work In Restricted Working Space, Add	36.27	
For Elevated Installation >10' To 15', Add	12.09	
For Elevated Installation >15' To 20', Add	24.18	
For Elevated Installation >20' To 25', Add	30.23	
For Elevated Installation >25' To 30', Add	42.32	
For Elevated Installation >30' To 35', Add	48.36	
For Elevated Installation >35' To 40', Add	60.45	
For Elevated Installation >40', Add	66.50	
26 05 33 13-0158 EA 4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	400.43	78.69
For Work In Restricted Working Space, Add	47.21	
For Elevated Installation >10' To 15', Add	15.74	
For Elevated Installation >15' To 20', Add	31.48	
For Elevated Installation >20' To 25', Add	39.35	
For Elevated Installation >25' To 30', Add	55.08	
For Elevated Installation >30' To 35', Add	62.95	
For Elevated Installation >35' To 40', Add	78.69	
For Elevated Installation >40', Add	86.56	
26 05 33 13-0159 EA 5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	669.02	128.30
For Work In Restricted Working Space, Add	76.98	
For Elevated Installation >10' To 15', Add	25.66	
For Elevated Installation >15' To 20', Add	51.32	
For Elevated Installation >20' To 25', Add	64.15	
For Elevated Installation >25' To 30', Add	89.81	
For Elevated Installation >30' To 35', Add	102.64	
For Elevated Installation >35' To 40', Add	128.31	
For Elevated Installation >40', Add	141.14	
26 05 33 13-0160 EA 6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	819.72	192.75
For Work In Restricted Working Space, Add	115.65	
For Elevated Installation >10' To 15', Add	38.55	
For Elevated Installation >15' To 20', Add	77.10	
For Elevated Installation >20' To 25', Add	96.37	
For Elevated Installation >25' To 30', Add	134.92	
For Elevated Installation >30' To 35', Add	154.20	
For Elevated Installation >35' To 40', Add	192.75	
For Elevated Installation >40', Add	212.02	
<b>26 05 33 13-0161 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2248 for conduit field bending.		
26 05 33 13-0162 EA 1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	96.48	21.67
For Work In Restricted Working Space, Add	13.00	
For Elevated Installation >10' To 15', Add	4.33	
For Elevated Installation >15' To 20', Add	8.67	
For Elevated Installation >20' To 25', Add	10.84	
For Elevated Installation >25' To 30', Add	15.17	
For Elevated Installation >30' To 35', Add	17.34	
For Elevated Installation >35' To 40', Add	21.67	
For Elevated Installation >40', Add	23.84	
26 05 33 13-0163 EA 1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	114.56	25.09
For Work In Restricted Working Space, Add	15.05	
For Elevated Installation >10' To 15', Add	5.02	
For Elevated Installation >15' To 20', Add	10.04	
For Elevated Installation >20' To 25', Add	12.55	
For Elevated Installation >25' To 30', Add	17.56	
For Elevated Installation >30' To 35', Add	20.07	
For Elevated Installation >35' To 40', Add	25.09	
For Elevated Installation >40', Add	27.60	
26 05 33 13-0164 EA 1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	133.74	28.51
For Work In Restricted Working Space, Add	17.11	
For Elevated Installation >10' To 15', Add	5.70	
For Elevated Installation >15' To 20', Add	11.40	
For Elevated Installation >20' To 25', Add	14.26	
For Elevated Installation >25' To 30', Add	19.96	
For Elevated Installation >30' To 35', Add	22.81	
For Elevated Installation >35' To 40', Add	28.51	
For Elevated Installation >40', Add	31.36	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0165 EA 2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	161.88	31.36
For Work In Restricted Working Space, Add	18.82	
For Elevated Installation >10' To 15', Add	6.27	
For Elevated Installation >15' To 20', Add	12.55	
For Elevated Installation >20' To 25', Add	15.68	
For Elevated Installation >25' To 30', Add	21.96	
For Elevated Installation >30' To 35', Add	25.09	
For Elevated Installation >35' To 40', Add	31.37	
For Elevated Installation >40', Add	34.50	
26 05 33 13-0166 EA 2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	214.68	39.35
For Work In Restricted Working Space, Add	23.61	
For Elevated Installation >10' To 15', Add	7.87	
For Elevated Installation >15' To 20', Add	15.74	
For Elevated Installation >20' To 25', Add	19.67	
For Elevated Installation >25' To 30', Add	27.54	
For Elevated Installation >30' To 35', Add	31.48	
For Elevated Installation >35' To 40', Add	39.35	
For Elevated Installation >40', Add	43.28	
26 05 33 13-0167 EA 3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	278.13	53.60
For Work In Restricted Working Space, Add	32.16	
For Elevated Installation >10' To 15', Add	10.72	
For Elevated Installation >15' To 20', Add	21.44	
For Elevated Installation >20' To 25', Add	26.80	
For Elevated Installation >25' To 30', Add	37.52	
For Elevated Installation >30' To 35', Add	42.88	
For Elevated Installation >35' To 40', Add	53.60	
For Elevated Installation >40', Add	58.96	
26 05 33 13-0168 EA 3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	344.45	60.44
For Work In Restricted Working Space, Add	36.27	
For Elevated Installation >10' To 15', Add	12.09	
For Elevated Installation >15' To 20', Add	24.18	
For Elevated Installation >20' To 25', Add	30.23	
For Elevated Installation >25' To 30', Add	42.32	
For Elevated Installation >30' To 35', Add	48.36	
For Elevated Installation >35' To 40', Add	60.45	
For Elevated Installation >40', Add	66.50	
26 05 33 13-0169 EA 4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	431.60	78.69
For Work In Restricted Working Space, Add	47.21	
For Elevated Installation >10' To 15', Add	15.74	
For Elevated Installation >15' To 20', Add	31.48	
For Elevated Installation >20' To 25', Add	39.35	
For Elevated Installation >25' To 30', Add	55.08	
For Elevated Installation >30' To 35', Add	62.95	
For Elevated Installation >35' To 40', Add	78.69	
For Elevated Installation >40', Add	86.56	
26 05 33 13-0170 EA 5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	694.40	128.30
For Work In Restricted Working Space, Add	76.98	
For Elevated Installation >10' To 15', Add	25.66	
For Elevated Installation >15' To 20', Add	51.32	
For Elevated Installation >20' To 25', Add	64.15	
For Elevated Installation >25' To 30', Add	89.81	
For Elevated Installation >30' To 35', Add	102.64	
For Elevated Installation >35' To 40', Add	128.31	
For Elevated Installation >40', Add	141.14	
26 05 33 13-0171 EA 6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	833.92	192.75
For Work In Restricted Working Space, Add	115.65	
For Elevated Installation >10' To 15', Add	38.55	
For Elevated Installation >15' To 20', Add	77.10	
For Elevated Installation >20' To 25', Add	96.37	
For Elevated Installation >25' To 30', Add	134.92	
For Elevated Installation >30' To 35', Add	154.20	
For Elevated Installation >35' To 40', Add	192.75	
For Elevated Installation >40', Add	212.02	
<b>26 05 33 13-0172 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing</b> (26 05 33 13-0059)		
26 05 33 13-0173 EA 1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	11.50	5.59
For Work In Restricted Working Space, Add	3.36	
For Elevated Installation >10' To 15', Add	1.12	
For Elevated Installation >15' To 20', Add	2.24	
For Elevated Installation >20' To 25', Add	2.80	
For Elevated Installation >25' To 30', Add	3.92	
For Elevated Installation >30' To 35', Add	4.48	
For Elevated Installation >35' To 40', Add	5.60	
For Elevated Installation >40', Add	6.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.36	
26 05 33 13-0174 EA 3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	12.34	5.97
For Work In Restricted Working Space, Add	3.58	
For Elevated Installation >10' To 15', Add	1.19	
For Elevated Installation >15' To 20', Add	2.39	
For Elevated Installation >20' To 25', Add	2.98	
For Elevated Installation >25' To 30', Add	4.18	
For Elevated Installation >30' To 35', Add	4.77	
For Elevated Installation >35' To 40', Add	5.97	
For Elevated Installation >40', Add	6.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0175 EA 1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	14.05	6.71
<i>For Work In Restricted Working Space, Add</i>	4.03	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.34	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.68	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.36	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.70	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.37	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.71	
<i>For Elevated Installation &gt;40', Add</i>	7.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.03	
26 05 33 13-0176 EA 1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	15.83	7.45
<i>For Work In Restricted Working Space, Add</i>	4.48	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.98	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.73	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.22	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.97	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.46	
<i>For Elevated Installation &gt;40', Add</i>	8.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 05 33 13-0177 EA 1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	19.88	9.32
<i>For Work In Restricted Working Space, Add</i>	5.59	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.86	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.73	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.66	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.52	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.46	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.32	
<i>For Elevated Installation &gt;40', Add</i>	10.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.59	
26 05 33 13-0178 EA 2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	24.67	11.19
<i>For Work In Restricted Working Space, Add</i>	6.71	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.24	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.47	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.59	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.83	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.95	
<i>For Elevated Installation &gt;35' To 40', Add</i>	11.19	
<i>For Elevated Installation &gt;40', Add</i>	12.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.71	
26 05 33 13-0179 EA 2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	31.19	13.05
<i>For Work In Restricted Working Space, Add</i>	7.83	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.61	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.22	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.53	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.14	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.44	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.05	
<i>For Elevated Installation &gt;40', Add</i>	14.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.83	
26 05 33 13-0180 EA 3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	35.20	14.92
<i>For Work In Restricted Working Space, Add</i>	8.95	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.98	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.97	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.46	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.44	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.93	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.92	
<i>For Elevated Installation &gt;40', Add</i>	16.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.95	
26 05 33 13-0181 EA 3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	41.02	14.03
<i>For Work In Restricted Working Space, Add</i>	10.07	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.36	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.71	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.39	
<i>For Elevated Installation &gt;25' To 30', Add</i>	11.75	
<i>For Elevated Installation &gt;30' To 35', Add</i>	13.42	
<i>For Elevated Installation &gt;35' To 40', Add</i>	16.78	
<i>For Elevated Installation &gt;40', Add</i>	18.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.07	
26 05 33 13-0182 EA 4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	45.50	18.64
<i>For Work In Restricted Working Space, Add</i>	11.19	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.73	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.46	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.32	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.05	
<i>For Elevated Installation &gt;30' To 35', Add</i>	14.92	
<i>For Elevated Installation &gt;35' To 40', Add</i>	18.65	
<i>For Elevated Installation &gt;40', Add</i>	20.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.19	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0183	EA		5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	55.01	20.51
			<i>For Work In Restricted Working Space, Add</i>	12.30	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.25	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.51	
			<i>For Elevated Installation &gt;40', Add</i>	22.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.30	
26 05 33 13-0184	EA		6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	80.19	22.37
			<i>For Work In Restricted Working Space, Add</i>	13.42	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.47	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.66	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	22.37	
			<i>For Elevated Installation &gt;40', Add</i>	24.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.42	
<b>26 05 33 13-0185 Rigid Galvanized Steel (RGS) Steel Bushing (26 05 33 13-0059)</b>					
26 05 33 13-0186	EA		1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	13.94	6.58
			<i>For Work In Restricted Working Space, Add</i>	3.95	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.32	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.61	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.26	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.58	
			<i>For Elevated Installation &gt;40', Add</i>	7.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 05 33 13-0187	EA		3/4" Rigid Galvanized Steel (RGS) Steel Bushing.....	15.17	7.02
			<i>For Work In Restricted Working Space, Add</i>	4.21	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.81	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.51	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.91	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.61	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.02	
			<i>For Elevated Installation &gt;40', Add</i>	7.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.21	
26 05 33 13-0188	EA		1" Rigid Galvanized Steel (RGS) Steel Bushing.....	17.76	7.90
			<i>For Work In Restricted Working Space, Add</i>	4.74	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.58	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.95	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.53	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.90	
			<i>For Elevated Installation &gt;40', Add</i>	8.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.74	
26 05 33 13-0189	EA		1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing.....	19.99	8.77
			<i>For Work In Restricted Working Space, Add</i>	5.27	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.76	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.51	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.39	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.14	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.02	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.78	
			<i>For Elevated Installation &gt;40', Add</i>	9.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 05 33 13-0190	EA		1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	25.54	10.97
			<i>For Work In Restricted Working Space, Add</i>	6.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.97	
			<i>For Elevated Installation &gt;40', Add</i>	12.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-0191	EA		2" Rigid Galvanized Steel (RGS) Steel Bushing.....	30.19	13.16
			<i>For Work In Restricted Working Space, Add</i>	7.89	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.63	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.26	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.52	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.16	
			<i>For Elevated Installation &gt;40', Add</i>	14.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0192 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	42.90	15.35
<i>For Work In Restricted Working Space, Add</i>	9.21	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.07	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.14	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.75	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.28	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.36	
<i>For Elevated Installation &gt;40', Add</i>	16.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.21	
26 05 33 13-0193 EA 3" Rigid Galvanized Steel (RGS) Steel Bushing.....	51.08	17.55
<i>For Work In Restricted Working Space, Add</i>	10.53	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.51	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.02	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.77	
<i>For Elevated Installation &gt;25' To 30', Add</i>	12.28	
<i>For Elevated Installation &gt;30' To 35', Add</i>	14.04	
<i>For Elevated Installation &gt;35' To 40', Add</i>	17.55	
<i>For Elevated Installation &gt;40', Add</i>	19.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.53	
26 05 33 13-0194 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	76.83	19.74
<i>For Work In Restricted Working Space, Add</i>	11.84	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.95	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.90	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.87	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.82	
<i>For Elevated Installation &gt;30' To 35', Add</i>	15.79	
<i>For Elevated Installation &gt;35' To 40', Add</i>	19.74	
<i>For Elevated Installation &gt;40', Add</i>	21.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.84	
26 05 33 13-0195 EA 4" Rigid Galvanized Steel (RGS) Steel Bushing.....	104.43	21.93
<i>For Work In Restricted Working Space, Add</i>	13.16	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.39	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.77	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.97	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.54	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.93	
<i>For Elevated Installation &gt;40', Add</i>	24.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.16	
26 05 33 13-0196 EA 5" Rigid Galvanized Steel (RGS) Steel Bushing.....	140.12	24.13
<i>For Work In Restricted Working Space, Add</i>	14.48	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.83	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.65	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.06	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.89	
<i>For Elevated Installation &gt;30' To 35', Add</i>	19.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	24.13	
<i>For Elevated Installation &gt;40', Add</i>	26.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.48	
26 05 33 13-0197 EA 6" Rigid Galvanized Steel (RGS) Steel Bushing.....	207.70	26.31
<i>For Work In Restricted Working Space, Add</i>	15.79	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.26	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.53	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.16	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.42	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.06	
<i>For Elevated Installation &gt;35' To 40', Add</i>	26.32	
<i>For Elevated Installation &gt;40', Add</i>	28.95	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.79	
<b>26 05 33 13-0198 Rigid Galvanized Steel (RGS) Steel Insulated Bushing</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0199 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	14.86	6.58
<i>For Work In Restricted Working Space, Add</i>	3.95	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.32	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.63	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.29	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.61	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.26	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.58	
<i>For Elevated Installation &gt;40', Add</i>	7.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 05 33 13-0200 EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	16.55	7.02
<i>For Work In Restricted Working Space, Add</i>	4.21	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.40	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.81	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.51	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.91	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.61	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.02	
<i>For Elevated Installation &gt;40', Add</i>	7.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.21	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0201	EA		1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	19.51	7.90
			<i>For Work In Restricted Working Space, Add</i>	4.74	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.58	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.95	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.53	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.90	
			<i>For Elevated Installation &gt;40', Add</i>	8.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.74	
26 05 33 13-0202	EA		1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	22.93	8.77
			<i>For Work In Restricted Working Space, Add</i>	5.27	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.76	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.51	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.39	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.14	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.02	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.78	
			<i>For Elevated Installation &gt;40', Add</i>	9.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 05 33 13-0203	EA		1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	28.60	10.97
			<i>For Work In Restricted Working Space, Add</i>	6.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.97	
			<i>For Elevated Installation &gt;40', Add</i>	12.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-0204	EA		2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	35.63	13.16
			<i>For Work In Restricted Working Space, Add</i>	7.89	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.63	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.26	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.52	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.16	
			<i>For Elevated Installation &gt;40', Add</i>	14.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.89	
26 05 33 13-0205	EA		2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	50.27	15.35
			<i>For Work In Restricted Working Space, Add</i>	9.21	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.07	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.14	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.75	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.28	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.36	
			<i>For Elevated Installation &gt;40', Add</i>	16.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.21	
26 05 33 13-0206	EA		3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	59.73	17.55
			<i>For Work In Restricted Working Space, Add</i>	10.53	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.51	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.02	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.77	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.28	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.55	
			<i>For Elevated Installation &gt;40', Add</i>	19.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.53	
26 05 33 13-0207	EA		3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	78.44	19.74
			<i>For Work In Restricted Working Space, Add</i>	11.84	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.82	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.79	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.74	
			<i>For Elevated Installation &gt;40', Add</i>	21.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.84	
26 05 33 13-0208	EA		4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	111.64	21.93
			<i>For Work In Restricted Working Space, Add</i>	13.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.97	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.54	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.93	
			<i>For Elevated Installation &gt;40', Add</i>	24.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0209 EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	147.97	24.13
For Work In Restricted Working Space, Add	14.48	
For Elevated Installation >10' To 15', Add	4.83	
For Elevated Installation >15' To 20', Add	9.65	
For Elevated Installation >20' To 25', Add	12.06	
For Elevated Installation >25' To 30', Add	16.89	
For Elevated Installation >30' To 35', Add	19.30	
For Elevated Installation >35' To 40', Add	24.13	
For Elevated Installation >40', Add	26.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.48	
26 05 33 13-0210 EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	210.47	26.31
For Work In Restricted Working Space, Add	15.79	
For Elevated Installation >10' To 15', Add	5.26	
For Elevated Installation >15' To 20', Add	10.53	
For Elevated Installation >20' To 25', Add	13.16	
For Elevated Installation >25' To 30', Add	18.42	
For Elevated Installation >30' To 35', Add	21.06	
For Elevated Installation >35' To 40', Add	26.32	
For Elevated Installation >40', Add	28.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.79	
<b>26 05 33 13-0211 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing</b> (26 05 33 13-0059)		
26 05 33 13-0212 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	22.63	7.90
For Work In Restricted Working Space, Add	4.74	
For Elevated Installation >10' To 15', Add	1.58	
For Elevated Installation >15' To 20', Add	3.16	
For Elevated Installation >20' To 25', Add	3.95	
For Elevated Installation >25' To 30', Add	5.53	
For Elevated Installation >30' To 35', Add	6.32	
For Elevated Installation >35' To 40', Add	7.90	
For Elevated Installation >40', Add	8.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.74	
26 05 33 13-0213 EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	25.36	8.77
For Work In Restricted Working Space, Add	5.27	
For Elevated Installation >10' To 15', Add	1.76	
For Elevated Installation >15' To 20', Add	3.51	
For Elevated Installation >20' To 25', Add	4.39	
For Elevated Installation >25' To 30', Add	6.14	
For Elevated Installation >30' To 35', Add	7.02	
For Elevated Installation >35' To 40', Add	8.78	
For Elevated Installation >40', Add	9.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
26 05 33 13-0214 EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	29.04	9.65
For Work In Restricted Working Space, Add	5.79	
For Elevated Installation >10' To 15', Add	1.93	
For Elevated Installation >15' To 20', Add	3.86	
For Elevated Installation >20' To 25', Add	4.83	
For Elevated Installation >25' To 30', Add	6.76	
For Elevated Installation >30' To 35', Add	7.72	
For Elevated Installation >35' To 40', Add	9.65	
For Elevated Installation >40', Add	10.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-0215 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	34.54	10.97
For Work In Restricted Working Space, Add	6.58	
For Elevated Installation >10' To 15', Add	2.19	
For Elevated Installation >15' To 20', Add	4.39	
For Elevated Installation >20' To 25', Add	5.48	
For Elevated Installation >25' To 30', Add	7.68	
For Elevated Installation >30' To 35', Add	8.77	
For Elevated Installation >35' To 40', Add	10.97	
For Elevated Installation >40', Add	12.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.58	
26 05 33 13-0216 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	41.75	13.59
For Work In Restricted Working Space, Add	8.16	
For Elevated Installation >10' To 15', Add	2.72	
For Elevated Installation >15' To 20', Add	5.44	
For Elevated Installation >20' To 25', Add	6.80	
For Elevated Installation >25' To 30', Add	9.52	
For Elevated Installation >30' To 35', Add	10.88	
For Elevated Installation >35' To 40', Add	13.60	
For Elevated Installation >40', Add	14.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.16	
26 05 33 13-0217 EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	52.68	16.23
For Work In Restricted Working Space, Add	9.74	
For Elevated Installation >10' To 15', Add	3.25	
For Elevated Installation >15' To 20', Add	6.49	
For Elevated Installation >20' To 25', Add	8.12	
For Elevated Installation >25' To 30', Add	11.36	
For Elevated Installation >30' To 35', Add	12.98	
For Elevated Installation >35' To 40', Add	16.23	
For Elevated Installation >40', Add	17.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.74	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0218	EA		2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	70.74	18.86
			<i>For Work In Restricted Working Space, Add</i>	11.32	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.77	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.54	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.43	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.09	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	18.86	
			<i>For Elevated Installation &gt;40', Add</i>	20.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.32	
26 05 33 13-0219	EA		3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	77.93	21.93
			<i>For Work In Restricted Working Space, Add</i>	13.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.97	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.54	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.93	
			<i>For Elevated Installation &gt;40', Add</i>	24.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.16	
26 05 33 13-0220	EA		3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	88.15	24.57
			<i>For Work In Restricted Working Space, Add</i>	14.74	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.91	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.83	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.28	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.65	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.57	
			<i>For Elevated Installation &gt;40', Add</i>	27.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.74	
26 05 33 13-0221	EA		4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	114.11	27.20
			<i>For Work In Restricted Working Space, Add</i>	16.32	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.44	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.88	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.04	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.76	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	27.20	
			<i>For Elevated Installation &gt;40', Add</i>	29.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.32	
26 05 33 13-0222	EA		5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	162.46	29.83
			<i>For Work In Restricted Working Space, Add</i>	17.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.97	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.93	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.92	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.88	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	23.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	29.83	
			<i>For Elevated Installation &gt;40', Add</i>	32.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.90	
26 05 33 13-0223	EA		6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	224.26	32.90
			<i>For Work In Restricted Working Space, Add</i>	19.74	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.58	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.45	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.03	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	32.90	
			<i>For Elevated Installation &gt;40', Add</i>	36.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.74	
<b>26 05 33 13-0224</b>			<b>Rigid Galvanized Steel (RGS) Box Connectors With Set Screw</b> (26 05 33 13-0059)		
26 05 33 13-0225	EA		1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	14.88	4.03
			<i>For Work In Restricted Working Space, Add</i>	3.00	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.00	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.00	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.50	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.00	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.01	
			<i>For Elevated Installation &gt;40', Add</i>	5.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.00	
26 05 33 13-0226	EA		3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	18.36	4.64
			<i>For Work In Restricted Working Space, Add</i>	3.48	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.16	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.32	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.90	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.06	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.64	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.80	
			<i>For Elevated Installation &gt;40', Add</i>	6.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.48	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0227 EA 1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw .....	24.76	5.62
<i>For Work In Restricted Working Space, Add</i>	4.19	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.40	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.79	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.49	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.89	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.59	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.99	
<i>For Elevated Installation &gt;40', Add</i>	7.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.19	
26 05 33 13-0228 EA 1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	38.54	6.93
<i>For Work In Restricted Working Space, Add</i>	5.22	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.74	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.48	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.35	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.09	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.96	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.70	
<i>For Elevated Installation &gt;40', Add</i>	9.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.22	
26 05 33 13-0229 EA 1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	52.32	9.30
<i>For Work In Restricted Working Space, Add</i>	6.98	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.33	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.65	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.82	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.14	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.31	
<i>For Elevated Installation &gt;35' To 40', Add</i>	11.64	
<i>For Elevated Installation &gt;40', Add</i>	12.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.98	
26 05 33 13-0230 EA 2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	91.81	13.94
<i>For Work In Restricted Working Space, Add</i>	10.46	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.49	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.97	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.71	
<i>For Elevated Installation &gt;25' To 30', Add</i>	12.20	
<i>For Elevated Installation &gt;30' To 35', Add</i>	13.94	
<i>For Elevated Installation &gt;35' To 40', Add</i>	17.43	
<i>For Elevated Installation &gt;40', Add</i>	19.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.46	
26 05 33 13-0231 EA 2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	179.57	15.44
<i>For Work In Restricted Working Space, Add</i>	11.58	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.86	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.65	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.51	
<i>For Elevated Installation &gt;30' To 35', Add</i>	15.44	
<i>For Elevated Installation &gt;35' To 40', Add</i>	19.30	
<i>For Elevated Installation &gt;40', Add</i>	21.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
26 05 33 13-0232 EA 3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	213.61	18.69
<i>For Work In Restricted Working Space, Add</i>	14.03	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.68	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.35	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.69	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.36	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.70	
<i>For Elevated Installation &gt;35' To 40', Add</i>	23.38	
<i>For Elevated Installation &gt;40', Add</i>	25.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 05 33 13-0233 EA 3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	291.56	23.43
<i>For Work In Restricted Working Space, Add</i>	17.56	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.85	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.71	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.63	
<i>For Elevated Installation &gt;25' To 30', Add</i>	20.49	
<i>For Elevated Installation &gt;30' To 35', Add</i>	23.41	
<i>For Elevated Installation &gt;35' To 40', Add</i>	29.27	
<i>For Elevated Installation &gt;40', Add</i>	32.19	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.56	
26 05 33 13-0234 EA 4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	340.61	28.07
<i>For Work In Restricted Working Space, Add</i>	21.05	
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.02	
<i>For Elevated Installation &gt;15' To 20', Add</i>	14.04	
<i>For Elevated Installation &gt;20' To 25', Add</i>	17.55	
<i>For Elevated Installation &gt;25' To 30', Add</i>	24.56	
<i>For Elevated Installation &gt;30' To 35', Add</i>	28.07	
<i>For Elevated Installation &gt;35' To 40', Add</i>	35.09	
<i>For Elevated Installation &gt;40', Add</i>	38.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.05	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0235	EA		5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	624.60	31.23
			<i>For Work In Restricted Working Space, Add</i>	23.40	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.80	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.30	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.00	
			<i>For Elevated Installation &gt;40', Add</i>	42.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.40	
26 05 33 13-0236	EA		6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	749.39	35.09
			<i>For Work In Restricted Working Space, Add</i>	26.31	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.77	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.54	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.93	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	30.70	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	35.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	43.86	
			<i>For Elevated Installation &gt;40', Add</i>	48.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.31	
<b>26 05 33 13-0237</b>			<b>Rigid Galvanized Steel (RGS) Nipples</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0238	EA		1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	13.17	5.70
			<i>For Work In Restricted Working Space, Add</i>	3.42	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.14	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.85	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.99	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.56	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.71	
			<i>For Elevated Installation &gt;40', Add</i>	6.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.42	
26 05 33 13-0239	EA		3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	15.14	6.58
			<i>For Work In Restricted Working Space, Add</i>	3.95	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.32	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.61	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.26	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.58	
			<i>For Elevated Installation &gt;40', Add</i>	7.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 05 33 13-0240	EA		1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	19.42	8.34
			<i>For Work In Restricted Working Space, Add</i>	5.00	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.67	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.33	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.17	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.83	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.66	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.33	
			<i>For Elevated Installation &gt;40', Add</i>	9.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.00	
26 05 33 13-0241	EA		1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	22.81	9.65
			<i>For Work In Restricted Working Space, Add</i>	5.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.93	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.83	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.65	
			<i>For Elevated Installation &gt;40', Add</i>	10.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 05 33 13-0242	EA		1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	26.09	10.97
			<i>For Work In Restricted Working Space, Add</i>	6.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.97	
			<i>For Elevated Installation &gt;40', Add</i>	12.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-0243	EA		1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	13.31	5.70
			<i>For Work In Restricted Working Space, Add</i>	3.42	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.14	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.85	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.99	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.56	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.71	
			<i>For Elevated Installation &gt;40', Add</i>	6.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0244 EA 3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	15.36	6.58
For Work In Restricted Working Space, Add	3.95	
For Elevated Installation >10' To 15', Add	1.32	
For Elevated Installation >15' To 20', Add	2.63	
For Elevated Installation >20' To 25', Add	3.29	
For Elevated Installation >25' To 30', Add	4.61	
For Elevated Installation >30' To 35', Add	5.26	
For Elevated Installation >35' To 40', Add	6.58	
For Elevated Installation >40', Add	7.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 05 33 13-0245 EA 1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	19.66	8.34
For Work In Restricted Working Space, Add	5.00	
For Elevated Installation >10' To 15', Add	1.67	
For Elevated Installation >15' To 20', Add	3.33	
For Elevated Installation >20' To 25', Add	4.17	
For Elevated Installation >25' To 30', Add	5.83	
For Elevated Installation >30' To 35', Add	6.66	
For Elevated Installation >35' To 40', Add	8.33	
For Elevated Installation >40', Add	9.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.00	
26 05 33 13-0246 EA 1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	23.15	9.65
For Work In Restricted Working Space, Add	5.79	
For Elevated Installation >10' To 15', Add	1.93	
For Elevated Installation >15' To 20', Add	3.86	
For Elevated Installation >20' To 25', Add	4.83	
For Elevated Installation >25' To 30', Add	6.76	
For Elevated Installation >30' To 35', Add	7.72	
For Elevated Installation >35' To 40', Add	9.65	
For Elevated Installation >40', Add	10.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-0247 EA 1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	26.62	10.97
For Work In Restricted Working Space, Add	6.58	
For Elevated Installation >10' To 15', Add	2.19	
For Elevated Installation >15' To 20', Add	4.39	
For Elevated Installation >20' To 25', Add	5.48	
For Elevated Installation >25' To 30', Add	7.68	
For Elevated Installation >30' To 35', Add	8.77	
For Elevated Installation >35' To 40', Add	10.97	
For Elevated Installation >40', Add	12.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.58	
26 05 33 13-0248 EA 2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	30.24	12.28
For Work In Restricted Working Space, Add	7.37	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.91	
For Elevated Installation >20' To 25', Add	6.14	
For Elevated Installation >25' To 30', Add	8.60	
For Elevated Installation >30' To 35', Add	9.83	
For Elevated Installation >35' To 40', Add	12.29	
For Elevated Installation >40', Add	13.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 05 33 13-0249 EA 1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	13.46	5.70
For Work In Restricted Working Space, Add	3.42	
For Elevated Installation >10' To 15', Add	1.14	
For Elevated Installation >15' To 20', Add	2.28	
For Elevated Installation >20' To 25', Add	2.85	
For Elevated Installation >25' To 30', Add	3.99	
For Elevated Installation >30' To 35', Add	4.56	
For Elevated Installation >35' To 40', Add	5.71	
For Elevated Installation >40', Add	6.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.42	
26 05 33 13-0250 EA 3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	15.56	6.58
For Work In Restricted Working Space, Add	3.95	
For Elevated Installation >10' To 15', Add	1.32	
For Elevated Installation >15' To 20', Add	2.63	
For Elevated Installation >20' To 25', Add	3.29	
For Elevated Installation >25' To 30', Add	4.61	
For Elevated Installation >30' To 35', Add	5.26	
For Elevated Installation >35' To 40', Add	6.58	
For Elevated Installation >40', Add	7.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 05 33 13-0251 EA 1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	20.00	8.34
For Work In Restricted Working Space, Add	5.00	
For Elevated Installation >10' To 15', Add	1.67	
For Elevated Installation >15' To 20', Add	3.33	
For Elevated Installation >20' To 25', Add	4.17	
For Elevated Installation >25' To 30', Add	5.83	
For Elevated Installation >30' To 35', Add	6.66	
For Elevated Installation >35' To 40', Add	8.33	
For Elevated Installation >40', Add	9.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.00	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0252	EA	1-1/4" x 3"	Long, Rigid Galvanized Steel (RGS) Nipple.....	23.44	9.65
			<i>For Work In Restricted Working Space, Add</i>	5.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.93	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.83	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.65	
			<i>For Elevated Installation &gt;40', Add</i>	10.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 05 33 13-0253	EA	1-1/2" x 3"	Long, Rigid Galvanized Steel (RGS) Nipple.....	26.98	10.97
			<i>For Work In Restricted Working Space, Add</i>	6.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.97	
			<i>For Elevated Installation &gt;40', Add</i>	12.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-0254	EA	2" x 3"	Long, Rigid Galvanized Steel (RGS) Nipple .....	31.12	12.28
			<i>For Work In Restricted Working Space, Add</i>	7.37	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.46	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.91	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.14	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.60	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.82	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.28	
			<i>For Elevated Installation &gt;40', Add</i>	13.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.37	
26 05 33 13-0255	EA	2-1/2" x 3"	Long, Rigid Galvanized Steel (RGS) Nipple.....	43.38	14.92
			<i>For Work In Restricted Working Space, Add</i>	8.95	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.98	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.46	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.44	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.93	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.92	
			<i>For Elevated Installation &gt;40', Add</i>	16.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.95	
26 05 33 13-0256	EA	3" x 3"	Long, Rigid Galvanized Steel (RGS) Nipple .....	57.88	20.62
			<i>For Work In Restricted Working Space, Add</i>	12.37	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.12	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.31	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.43	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.49	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.62	
			<i>For Elevated Installation &gt;40', Add</i>	22.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.37	
26 05 33 13-0257	EA	1/2" x 3-1/2"	Long, Rigid Galvanized Steel (RGS) Nipple.....	13.66	5.70
			<i>For Work In Restricted Working Space, Add</i>	3.42	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.14	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.85	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.99	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.56	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.71	
			<i>For Elevated Installation &gt;40', Add</i>	6.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.42	
26 05 33 13-0258	EA	3/4" x 3-1/2"	Long, Rigid Galvanized Steel (RGS) Nipple.....	15.66	6.58
			<i>For Work In Restricted Working Space, Add</i>	3.95	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.32	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.61	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.26	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.58	
			<i>For Elevated Installation &gt;40', Add</i>	7.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 05 33 13-0259	EA	1" x 3-1/2"	Long, Rigid Galvanized Steel (RGS) Nipple.....	20.45	8.34
			<i>For Work In Restricted Working Space, Add</i>	5.00	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.67	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.33	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.17	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.83	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.66	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.33	
			<i>For Elevated Installation &gt;40', Add</i>	9.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0260 EA 1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	24.01	9.65
For Work In Restricted Working Space, Add	5.79	
For Elevated Installation >10' To 15', Add	1.93	
For Elevated Installation >15' To 20', Add	3.86	
For Elevated Installation >20' To 25', Add	4.83	
For Elevated Installation >25' To 30', Add	6.76	
For Elevated Installation >30' To 35', Add	7.72	
For Elevated Installation >35' To 40', Add	9.65	
For Elevated Installation >40', Add	10.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-0261 EA 1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	27.74	10.97
For Work In Restricted Working Space, Add	6.58	
For Elevated Installation >10' To 15', Add	2.19	
For Elevated Installation >15' To 20', Add	4.39	
For Elevated Installation >20' To 25', Add	5.48	
For Elevated Installation >25' To 30', Add	7.68	
For Elevated Installation >30' To 35', Add	8.77	
For Elevated Installation >35' To 40', Add	10.97	
For Elevated Installation >40', Add	12.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.58	
26 05 33 13-0262 EA 2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple.....	32.03	12.28
For Work In Restricted Working Space, Add	7.37	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.91	
For Elevated Installation >20' To 25', Add	6.14	
For Elevated Installation >25' To 30', Add	8.60	
For Elevated Installation >30' To 35', Add	9.82	
For Elevated Installation >35' To 40', Add	12.28	
For Elevated Installation >40', Add	13.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 05 33 13-0263 EA 2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	45.84	14.92
For Work In Restricted Working Space, Add	8.95	
For Elevated Installation >10' To 15', Add	2.98	
For Elevated Installation >15' To 20', Add	5.97	
For Elevated Installation >20' To 25', Add	7.46	
For Elevated Installation >25' To 30', Add	10.44	
For Elevated Installation >30' To 35', Add	11.93	
For Elevated Installation >35' To 40', Add	14.92	
For Elevated Installation >40', Add	16.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.95	
26 05 33 13-0264 EA 3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	60.02	20.62
For Work In Restricted Working Space, Add	12.37	
For Elevated Installation >10' To 15', Add	4.12	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.31	
For Elevated Installation >25' To 30', Add	14.43	
For Elevated Installation >30' To 35', Add	16.49	
For Elevated Installation >35' To 40', Add	20.62	
For Elevated Installation >40', Add	22.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.37	
26 05 33 13-0265 EA 1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	13.85	5.70
For Work In Restricted Working Space, Add	3.42	
For Elevated Installation >10' To 15', Add	1.14	
For Elevated Installation >15' To 20', Add	2.28	
For Elevated Installation >20' To 25', Add	2.85	
For Elevated Installation >25' To 30', Add	3.99	
For Elevated Installation >30' To 35', Add	4.56	
For Elevated Installation >35' To 40', Add	5.71	
For Elevated Installation >40', Add	6.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.42	
26 05 33 13-0266 EA 3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	16.00	6.58
For Work In Restricted Working Space, Add	3.95	
For Elevated Installation >10' To 15', Add	1.32	
For Elevated Installation >15' To 20', Add	2.63	
For Elevated Installation >20' To 25', Add	3.29	
For Elevated Installation >25' To 30', Add	4.61	
For Elevated Installation >30' To 35', Add	5.26	
For Elevated Installation >35' To 40', Add	6.58	
For Elevated Installation >40', Add	7.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 05 33 13-0267 EA 1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	20.73	8.34
For Work In Restricted Working Space, Add	5.00	
For Elevated Installation >10' To 15', Add	1.67	
For Elevated Installation >15' To 20', Add	3.33	
For Elevated Installation >20' To 25', Add	4.17	
For Elevated Installation >25' To 30', Add	5.83	
For Elevated Installation >30' To 35', Add	6.66	
For Elevated Installation >35' To 40', Add	8.33	
For Elevated Installation >40', Add	9.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.00	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0268	EA	1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	24.29	9.65
		<i>For Work In Restricted Working Space, Add</i>		5.79	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		1.93	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		3.86	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		4.83	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		6.76	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		7.72	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		9.65	
		<i>For Elevated Installation &gt;40', Add</i>		10.62	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		5.79	
26 05 33 13-0269	EA	1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	28.25	10.97
		<i>For Work In Restricted Working Space, Add</i>		6.58	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		2.19	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		4.39	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		5.48	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		7.68	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		8.77	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		10.97	
		<i>For Elevated Installation &gt;40', Add</i>		12.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.58	
26 05 33 13-0270	EA	2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	32.81	12.28
		<i>For Work In Restricted Working Space, Add</i>		7.37	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		2.46	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		4.91	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		6.14	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		8.60	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		9.82	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		12.28	
		<i>For Elevated Installation &gt;40', Add</i>		13.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		7.37	
26 05 33 13-0271	EA	2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	46.60	14.92
		<i>For Work In Restricted Working Space, Add</i>		8.95	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		2.98	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		5.97	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		7.46	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		10.44	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		11.93	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		14.92	
		<i>For Elevated Installation &gt;40', Add</i>		16.41	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		8.95	
26 05 33 13-0272	EA	3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	61.60	20.62
		<i>For Work In Restricted Working Space, Add</i>		12.37	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		4.12	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		8.25	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		10.31	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		14.43	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		16.49	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		20.62	
		<i>For Elevated Installation &gt;40', Add</i>		22.68	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		12.37	
26 05 33 13-0273	EA	3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	71.28	23.24
		<i>For Work In Restricted Working Space, Add</i>		13.95	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		4.65	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		9.30	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		11.62	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		16.27	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		18.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		23.25	
		<i>For Elevated Installation &gt;40', Add</i>		25.57	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		13.95	
26 05 33 13-0274	EA	4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	88.36	30.27
		<i>For Work In Restricted Working Space, Add</i>		18.16	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		6.05	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		12.11	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		15.13	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		21.19	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		24.21	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		30.27	
		<i>For Elevated Installation &gt;40', Add</i>		33.29	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		18.16	
26 05 33 13-0275	EA	1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	14.14	5.70
		<i>For Work In Restricted Working Space, Add</i>		3.42	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		1.14	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		2.28	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		2.85	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		3.99	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		4.56	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		5.71	
		<i>For Elevated Installation &gt;40', Add</i>		6.28	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0276 EA 3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	16.42	6.58
For Work In Restricted Working Space, Add	3.95	
For Elevated Installation >10' To 15', Add	1.32	
For Elevated Installation >15' To 20', Add	2.63	
For Elevated Installation >20' To 25', Add	3.29	
For Elevated Installation >25' To 30', Add	4.61	
For Elevated Installation >30' To 35', Add	5.26	
For Elevated Installation >35' To 40', Add	6.58	
For Elevated Installation >40', Add	7.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 05 33 13-0277 EA 1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	21.27	8.34
For Work In Restricted Working Space, Add	5.00	
For Elevated Installation >10' To 15', Add	1.67	
For Elevated Installation >15' To 20', Add	3.33	
For Elevated Installation >20' To 25', Add	4.17	
For Elevated Installation >25' To 30', Add	5.83	
For Elevated Installation >30' To 35', Add	6.66	
For Elevated Installation >35' To 40', Add	8.33	
For Elevated Installation >40', Add	9.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.00	
26 05 33 13-0278 EA 1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	25.08	9.65
For Work In Restricted Working Space, Add	5.79	
For Elevated Installation >10' To 15', Add	1.93	
For Elevated Installation >15' To 20', Add	3.86	
For Elevated Installation >20' To 25', Add	4.83	
For Elevated Installation >25' To 30', Add	6.76	
For Elevated Installation >30' To 35', Add	7.72	
For Elevated Installation >35' To 40', Add	9.65	
For Elevated Installation >40', Add	10.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-0279 EA 1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	29.02	10.97
For Work In Restricted Working Space, Add	6.58	
For Elevated Installation >10' To 15', Add	2.19	
For Elevated Installation >15' To 20', Add	4.39	
For Elevated Installation >20' To 25', Add	5.48	
For Elevated Installation >25' To 30', Add	7.68	
For Elevated Installation >30' To 35', Add	8.77	
For Elevated Installation >35' To 40', Add	10.97	
For Elevated Installation >40', Add	12.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.58	
26 05 33 13-0280 EA 2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	34.18	12.28
For Work In Restricted Working Space, Add	7.37	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.91	
For Elevated Installation >20' To 25', Add	6.14	
For Elevated Installation >25' To 30', Add	8.60	
For Elevated Installation >30' To 35', Add	9.82	
For Elevated Installation >35' To 40', Add	12.28	
For Elevated Installation >40', Add	13.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 05 33 13-0281 EA 2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	49.65	14.92
For Work In Restricted Working Space, Add	8.95	
For Elevated Installation >10' To 15', Add	2.98	
For Elevated Installation >15' To 20', Add	5.97	
For Elevated Installation >20' To 25', Add	7.46	
For Elevated Installation >25' To 30', Add	10.44	
For Elevated Installation >30' To 35', Add	11.93	
For Elevated Installation >35' To 40', Add	14.92	
For Elevated Installation >40', Add	16.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.95	
26 05 33 13-0282 EA 3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	64.91	20.62
For Work In Restricted Working Space, Add	12.37	
For Elevated Installation >10' To 15', Add	4.12	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.31	
For Elevated Installation >25' To 30', Add	14.43	
For Elevated Installation >30' To 35', Add	16.49	
For Elevated Installation >35' To 40', Add	20.62	
For Elevated Installation >40', Add	22.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.37	
26 05 33 13-0283 EA 3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	74.57	23.24
For Work In Restricted Working Space, Add	13.95	
For Elevated Installation >10' To 15', Add	4.65	
For Elevated Installation >15' To 20', Add	9.30	
For Elevated Installation >20' To 25', Add	11.62	
For Elevated Installation >25' To 30', Add	16.27	
For Elevated Installation >30' To 35', Add	18.60	
For Elevated Installation >35' To 40', Add	23.25	
For Elevated Installation >40', Add	25.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.95	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0284	EA		4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	93.17	30.27
			<i>For Work In Restricted Working Space, Add</i>	18.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.05	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.19	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.21	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.27	
			<i>For Elevated Installation &gt;40', Add</i>	33.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.16	
26 05 33 13-0285	EA		5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	146.69	41.67
			<i>For Work In Restricted Working Space, Add</i>	25.00	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.84	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.17	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	41.67	
			<i>For Elevated Installation &gt;40', Add</i>	45.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.00	
26 05 33 13-0286	EA		6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	185.87	53.43
			<i>For Work In Restricted Working Space, Add</i>	32.08	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.38	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.73	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	37.42	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	53.46	
			<i>For Elevated Installation &gt;40', Add</i>	58.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.08	
26 05 33 13-0287	EA		1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	14.67	5.70
			<i>For Work In Restricted Working Space, Add</i>	3.42	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.14	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.85	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.99	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.56	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.71	
			<i>For Elevated Installation &gt;40', Add</i>	6.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.42	
26 05 33 13-0288	EA		3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	16.97	6.58
			<i>For Work In Restricted Working Space, Add</i>	3.95	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.32	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.61	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.26	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.58	
			<i>For Elevated Installation &gt;40', Add</i>	7.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 05 33 13-0289	EA		1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	21.70	8.34
			<i>For Work In Restricted Working Space, Add</i>	5.00	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.67	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.33	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.17	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.83	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.66	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.33	
			<i>For Elevated Installation &gt;40', Add</i>	9.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.00	
26 05 33 13-0290	EA		1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	25.80	9.65
			<i>For Work In Restricted Working Space, Add</i>	5.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.93	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.83	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.65	
			<i>For Elevated Installation &gt;40', Add</i>	10.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 05 33 13-0291	EA		1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	30.65	10.97
			<i>For Work In Restricted Working Space, Add</i>	6.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.97	
			<i>For Elevated Installation &gt;40', Add</i>	12.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0292 EA 2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	35.56	12.28
For Work In Restricted Working Space, Add	7.37	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.91	
For Elevated Installation >20' To 25', Add	6.14	
For Elevated Installation >25' To 30', Add	8.60	
For Elevated Installation >30' To 35', Add	9.82	
For Elevated Installation >35' To 40', Add	12.28	
For Elevated Installation >40', Add	13.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 05 33 13-0293 EA 2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	52.32	14.92
For Work In Restricted Working Space, Add	8.95	
For Elevated Installation >10' To 15', Add	2.98	
For Elevated Installation >15' To 20', Add	5.97	
For Elevated Installation >20' To 25', Add	7.46	
For Elevated Installation >25' To 30', Add	10.44	
For Elevated Installation >30' To 35', Add	11.93	
For Elevated Installation >35' To 40', Add	14.92	
For Elevated Installation >40', Add	16.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.95	
26 05 33 13-0294 EA 3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	68.27	20.62
For Work In Restricted Working Space, Add	12.37	
For Elevated Installation >10' To 15', Add	4.12	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.31	
For Elevated Installation >25' To 30', Add	14.43	
For Elevated Installation >30' To 35', Add	16.49	
For Elevated Installation >35' To 40', Add	20.62	
For Elevated Installation >40', Add	22.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.37	
26 05 33 13-0295 EA 3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	78.58	23.24
For Work In Restricted Working Space, Add	13.95	
For Elevated Installation >10' To 15', Add	4.65	
For Elevated Installation >15' To 20', Add	9.30	
For Elevated Installation >20' To 25', Add	11.62	
For Elevated Installation >25' To 30', Add	16.27	
For Elevated Installation >30' To 35', Add	18.60	
For Elevated Installation >35' To 40', Add	23.25	
For Elevated Installation >40', Add	25.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.95	
26 05 33 13-0296 EA 4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	96.98	30.27
For Work In Restricted Working Space, Add	18.16	
For Elevated Installation >10' To 15', Add	6.05	
For Elevated Installation >15' To 20', Add	12.11	
For Elevated Installation >20' To 25', Add	15.13	
For Elevated Installation >25' To 30', Add	21.19	
For Elevated Installation >30' To 35', Add	24.21	
For Elevated Installation >35' To 40', Add	30.27	
For Elevated Installation >40', Add	33.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 05 33 13-0297 EA 5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	152.27	41.67
For Work In Restricted Working Space, Add	25.00	
For Elevated Installation >10' To 15', Add	8.33	
For Elevated Installation >15' To 20', Add	16.67	
For Elevated Installation >20' To 25', Add	20.84	
For Elevated Installation >25' To 30', Add	29.17	
For Elevated Installation >30' To 35', Add	33.34	
For Elevated Installation >35' To 40', Add	41.67	
For Elevated Installation >40', Add	45.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.00	
26 05 33 13-0298 EA 6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	194.04	53.43
For Work In Restricted Working Space, Add	32.08	
For Elevated Installation >10' To 15', Add	10.69	
For Elevated Installation >15' To 20', Add	21.38	
For Elevated Installation >20' To 25', Add	26.73	
For Elevated Installation >25' To 30', Add	37.42	
For Elevated Installation >30' To 35', Add	42.77	
For Elevated Installation >35' To 40', Add	53.46	
For Elevated Installation >40', Add	58.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.08	
26 05 33 13-0299 EA 1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	16.60	5.70
For Work In Restricted Working Space, Add	3.42	
For Elevated Installation >10' To 15', Add	1.14	
For Elevated Installation >15' To 20', Add	2.28	
For Elevated Installation >20' To 25', Add	2.85	
For Elevated Installation >25' To 30', Add	3.99	
For Elevated Installation >30' To 35', Add	4.56	
For Elevated Installation >35' To 40', Add	5.71	
For Elevated Installation >40', Add	6.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.42	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0300	EA	3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	19.44	6.58
			<i>For Work In Restricted Working Space, Add</i>	3.95	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.32	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.61	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.26	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.58	
			<i>For Elevated Installation &gt;40', Add</i>	7.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 05 33	13-0301	EA	1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	24.61	8.34
			<i>For Work In Restricted Working Space, Add</i>	5.00	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.67	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.33	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.17	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.83	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.66	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.33	
			<i>For Elevated Installation &gt;40', Add</i>	9.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.00	
26 05 33	13-0302	EA	1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	29.95	9.65
			<i>For Work In Restricted Working Space, Add</i>	5.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.93	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.83	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.65	
			<i>For Elevated Installation &gt;40', Add</i>	10.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 05 33	13-0303	EA	1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	35.27	10.97
			<i>For Work In Restricted Working Space, Add</i>	6.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.97	
			<i>For Elevated Installation &gt;40', Add</i>	12.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33	13-0304	EA	2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	40.43	12.28
			<i>For Work In Restricted Working Space, Add</i>	7.37	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.46	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.91	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.14	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.60	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.82	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.28	
			<i>For Elevated Installation &gt;40', Add</i>	13.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.37	
26 05 33	13-0305	EA	2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	59.42	14.92
			<i>For Work In Restricted Working Space, Add</i>	8.95	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.98	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.46	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.44	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.93	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.92	
			<i>For Elevated Installation &gt;40', Add</i>	16.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.95	
26 05 33	13-0306	EA	3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	76.41	20.62
			<i>For Work In Restricted Working Space, Add</i>	12.37	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.12	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.31	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.43	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.49	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.62	
			<i>For Elevated Installation &gt;40', Add</i>	22.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.37	
26 05 33	13-0307	EA	3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	86.70	23.24
			<i>For Work In Restricted Working Space, Add</i>	13.95	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.65	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.30	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.62	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.27	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.25	
			<i>For Elevated Installation &gt;40', Add</i>	25.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0308 EA 4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	105.95	30.27
For Work In Restricted Working Space, Add	18.16	
For Elevated Installation >10' To 15', Add	6.05	
For Elevated Installation >15' To 20', Add	12.11	
For Elevated Installation >20' To 25', Add	15.13	
For Elevated Installation >25' To 30', Add	21.19	
For Elevated Installation >30' To 35', Add	24.21	
For Elevated Installation >35' To 40', Add	30.27	
For Elevated Installation >40', Add	33.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 05 33 13-0309 EA 5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	165.21	41.67
For Work In Restricted Working Space, Add	25.00	
For Elevated Installation >10' To 15', Add	8.33	
For Elevated Installation >15' To 20', Add	16.67	
For Elevated Installation >20' To 25', Add	20.84	
For Elevated Installation >25' To 30', Add	29.17	
For Elevated Installation >30' To 35', Add	33.34	
For Elevated Installation >35' To 40', Add	41.67	
For Elevated Installation >40', Add	45.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.00	
26 05 33 13-0310 EA 6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	208.57	53.43
For Work In Restricted Working Space, Add	32.08	
For Elevated Installation >10' To 15', Add	10.69	
For Elevated Installation >15' To 20', Add	21.38	
For Elevated Installation >20' To 25', Add	26.73	
For Elevated Installation >25' To 30', Add	37.42	
For Elevated Installation >30' To 35', Add	42.77	
For Elevated Installation >35' To 40', Add	53.46	
For Elevated Installation >40', Add	58.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.08	
26 05 33 13-0311 EA 1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	17.90	5.70
For Work In Restricted Working Space, Add	3.42	
For Elevated Installation >10' To 15', Add	1.14	
For Elevated Installation >15' To 20', Add	2.28	
For Elevated Installation >20' To 25', Add	2.85	
For Elevated Installation >25' To 30', Add	3.99	
For Elevated Installation >30' To 35', Add	4.56	
For Elevated Installation >35' To 40', Add	5.71	
For Elevated Installation >40', Add	6.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.42	
26 05 33 13-0312 EA 3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	20.70	6.58
For Work In Restricted Working Space, Add	3.95	
For Elevated Installation >10' To 15', Add	1.32	
For Elevated Installation >15' To 20', Add	2.63	
For Elevated Installation >20' To 25', Add	3.29	
For Elevated Installation >25' To 30', Add	4.61	
For Elevated Installation >30' To 35', Add	5.26	
For Elevated Installation >35' To 40', Add	6.58	
For Elevated Installation >40', Add	7.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 05 33 13-0313 EA 1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	26.93	8.34
For Work In Restricted Working Space, Add	5.00	
For Elevated Installation >10' To 15', Add	1.67	
For Elevated Installation >15' To 20', Add	3.33	
For Elevated Installation >20' To 25', Add	4.17	
For Elevated Installation >25' To 30', Add	5.83	
For Elevated Installation >30' To 35', Add	6.66	
For Elevated Installation >35' To 40', Add	8.33	
For Elevated Installation >40', Add	9.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.00	
26 05 33 13-0314 EA 1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	32.70	9.65
For Work In Restricted Working Space, Add	5.79	
For Elevated Installation >10' To 15', Add	1.93	
For Elevated Installation >15' To 20', Add	3.86	
For Elevated Installation >20' To 25', Add	4.83	
For Elevated Installation >25' To 30', Add	6.76	
For Elevated Installation >30' To 35', Add	7.72	
For Elevated Installation >35' To 40', Add	9.65	
For Elevated Installation >40', Add	10.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-0315 EA 1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	37.97	10.97
For Work In Restricted Working Space, Add	6.58	
For Elevated Installation >10' To 15', Add	2.19	
For Elevated Installation >15' To 20', Add	4.39	
For Elevated Installation >20' To 25', Add	5.48	
For Elevated Installation >25' To 30', Add	7.68	
For Elevated Installation >30' To 35', Add	8.77	
For Elevated Installation >35' To 40', Add	10.97	
For Elevated Installation >40', Add	12.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.58	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0316	EA		2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple .....	43.57	12.28
			<i>For Work In Restricted Working Space, Add</i>	7.37	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.46	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.91	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.14	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.60	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.82	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.28	
			<i>For Elevated Installation &gt;40', Add</i>	13.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.37	
26 05 33 13-0317	EA		2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple .....	64.18	14.92
			<i>For Work In Restricted Working Space, Add</i>	8.95	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.98	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.46	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.44	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.93	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.92	
			<i>For Elevated Installation &gt;40', Add</i>	16.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.95	
26 05 33 13-0318	EA		3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple .....	82.81	20.62
			<i>For Work In Restricted Working Space, Add</i>	12.37	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.12	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.31	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.43	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.49	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.62	
			<i>For Elevated Installation &gt;40', Add</i>	22.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.37	
26 05 33 13-0319	EA		3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple .....	95.13	23.24
			<i>For Work In Restricted Working Space, Add</i>	13.95	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.65	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.30	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.62	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.27	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.25	
			<i>For Elevated Installation &gt;40', Add</i>	25.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.95	
26 05 33 13-0320	EA		4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple .....	116.63	30.27
			<i>For Work In Restricted Working Space, Add</i>	18.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.05	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.19	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.21	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.27	
			<i>For Elevated Installation &gt;40', Add</i>	33.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.16	
26 05 33 13-0321	EA		5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple .....	179.33	41.67
			<i>For Work In Restricted Working Space, Add</i>	25.00	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.84	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.17	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	41.67	
			<i>For Elevated Installation &gt;40', Add</i>	45.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.00	
26 05 33 13-0322	EA		6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple .....	233.97	53.43
			<i>For Work In Restricted Working Space, Add</i>	32.08	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.38	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.73	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	37.42	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	53.46	
			<i>For Elevated Installation &gt;40', Add</i>	58.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.08	
26 05 33 13-0323	EA		1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	18.90	5.70
			<i>For Work In Restricted Working Space, Add</i>	3.42	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.14	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.85	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.99	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.56	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.71	
			<i>For Elevated Installation &gt;40', Add</i>	6.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0324 EA 3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	21.64	6.58
For Work In Restricted Working Space, Add	3.95	
For Elevated Installation >10' To 15', Add	1.32	
For Elevated Installation >15' To 20', Add	2.63	
For Elevated Installation >20' To 25', Add	3.29	
For Elevated Installation >25' To 30', Add	4.61	
For Elevated Installation >30' To 35', Add	5.26	
For Elevated Installation >35' To 40', Add	6.58	
For Elevated Installation >40', Add	7.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 05 33 13-0325 EA 1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	28.32	8.34
For Work In Restricted Working Space, Add	5.00	
For Elevated Installation >10' To 15', Add	1.67	
For Elevated Installation >15' To 20', Add	3.33	
For Elevated Installation >20' To 25', Add	4.17	
For Elevated Installation >25' To 30', Add	5.83	
For Elevated Installation >30' To 35', Add	6.66	
For Elevated Installation >35' To 40', Add	8.33	
For Elevated Installation >40', Add	9.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.00	
26 05 33 13-0326 EA 1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	34.90	9.65
For Work In Restricted Working Space, Add	5.79	
For Elevated Installation >10' To 15', Add	1.93	
For Elevated Installation >15' To 20', Add	3.86	
For Elevated Installation >20' To 25', Add	4.83	
For Elevated Installation >25' To 30', Add	6.76	
For Elevated Installation >30' To 35', Add	7.72	
For Elevated Installation >35' To 40', Add	9.65	
For Elevated Installation >40', Add	10.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-0327 EA 1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	39.33	10.97
For Work In Restricted Working Space, Add	6.58	
For Elevated Installation >10' To 15', Add	2.19	
For Elevated Installation >15' To 20', Add	4.39	
For Elevated Installation >20' To 25', Add	5.48	
For Elevated Installation >25' To 30', Add	7.68	
For Elevated Installation >30' To 35', Add	8.77	
For Elevated Installation >35' To 40', Add	10.97	
For Elevated Installation >40', Add	12.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.58	
26 05 33 13-0328 EA 2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	46.21	12.28
For Work In Restricted Working Space, Add	7.37	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.91	
For Elevated Installation >20' To 25', Add	6.14	
For Elevated Installation >25' To 30', Add	8.60	
For Elevated Installation >30' To 35', Add	9.82	
For Elevated Installation >35' To 40', Add	12.28	
For Elevated Installation >40', Add	13.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 05 33 13-0329 EA 2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	69.79	14.92
For Work In Restricted Working Space, Add	8.95	
For Elevated Installation >10' To 15', Add	2.98	
For Elevated Installation >15' To 20', Add	5.97	
For Elevated Installation >20' To 25', Add	7.46	
For Elevated Installation >25' To 30', Add	10.44	
For Elevated Installation >30' To 35', Add	11.93	
For Elevated Installation >35' To 40', Add	14.92	
For Elevated Installation >40', Add	16.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.95	
26 05 33 13-0330 EA 3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	91.72	20.62
For Work In Restricted Working Space, Add	12.37	
For Elevated Installation >10' To 15', Add	4.12	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.31	
For Elevated Installation >25' To 30', Add	14.43	
For Elevated Installation >30' To 35', Add	16.49	
For Elevated Installation >35' To 40', Add	20.62	
For Elevated Installation >40', Add	22.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.37	
26 05 33 13-0331 EA 3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	103.34	23.24
For Work In Restricted Working Space, Add	13.95	
For Elevated Installation >10' To 15', Add	4.65	
For Elevated Installation >15' To 20', Add	9.30	
For Elevated Installation >20' To 25', Add	11.62	
For Elevated Installation >25' To 30', Add	16.27	
For Elevated Installation >30' To 35', Add	18.60	
For Elevated Installation >35' To 40', Add	23.25	
For Elevated Installation >40', Add	25.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.95	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0332	EA		4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	127.32	30.27
			<i>For Work In Restricted Working Space, Add</i>	18.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.05	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.19	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.21	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.27	
			<i>For Elevated Installation &gt;40', Add</i>	33.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.16	
26 05 33 13-0333	EA		5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	199.61	41.67
			<i>For Work In Restricted Working Space, Add</i>	25.00	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.84	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.17	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	41.67	
			<i>For Elevated Installation &gt;40', Add</i>	45.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.00	
26 05 33 13-0334	EA		6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	248.08	53.43
			<i>For Work In Restricted Working Space, Add</i>	32.08	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.38	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.73	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	37.42	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	53.46	
			<i>For Elevated Installation &gt;40', Add</i>	58.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.08	
<b>26 05 33 13-0335</b>			<b>Rigid Galvanized Steel (RGS) Off-Set Nipples <small>(26 05 33 13-0059)</small></b>		
26 05 33 13-0336	EA		1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	14.09	4.56
			<i>For Work In Restricted Working Space, Add</i>	3.45	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.30	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.02	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.75	
			<i>For Elevated Installation &gt;40', Add</i>	6.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.45	
26 05 33 13-0337	EA		3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	17.05	5.27
			<i>For Work In Restricted Working Space, Add</i>	3.92	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.31	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.62	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.27	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.58	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.23	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.54	
			<i>For Elevated Installation &gt;40', Add</i>	7.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92	
26 05 33 13-0338	EA		1" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	21.27	6.67
			<i>For Work In Restricted Working Space, Add</i>	5.02	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.67	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.35	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.18	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.86	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.69	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.37	
			<i>For Elevated Installation &gt;40', Add</i>	9.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.02	
26 05 33 13-0339	EA		1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	27.38	7.99
			<i>For Work In Restricted Working Space, Add</i>	6.02	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.01	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.01	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.01	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.02	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.02	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.03	
			<i>For Elevated Installation &gt;40', Add</i>	11.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.02	
26 05 33 13-0340	EA		1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	29.99	8.77
			<i>For Work In Restricted Working Space, Add</i>	6.59	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.20	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.49	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.78	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.98	
			<i>For Elevated Installation &gt;40', Add</i>	12.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0341 EA 2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	39.82	10.79
For Work In Restricted Working Space, Add	8.11	
For Elevated Installation >10' To 15', Add	2.70	
For Elevated Installation >15' To 20', Add	5.41	
For Elevated Installation >20' To 25', Add	6.76	
For Elevated Installation >25' To 30', Add	9.46	
For Elevated Installation >30' To 35', Add	10.82	
For Elevated Installation >35' To 40', Add	13.52	
For Elevated Installation >40', Add	14.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.11	
26 05 33 13-0342 EA 2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	65.15	17.55
For Work In Restricted Working Space, Add	13.16	
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.77	
For Elevated Installation >20' To 25', Add	10.97	
For Elevated Installation >25' To 30', Add	15.35	
For Elevated Installation >30' To 35', Add	17.54	
For Elevated Installation >35' To 40', Add	21.93	
For Elevated Installation >40', Add	24.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.16	
26 05 33 13-0343 EA 3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	108.89	24.22
For Work In Restricted Working Space, Add	18.16	
For Elevated Installation >10' To 15', Add	6.05	
For Elevated Installation >15' To 20', Add	12.11	
For Elevated Installation >20' To 25', Add	15.13	
For Elevated Installation >25' To 30', Add	21.19	
For Elevated Installation >30' To 35', Add	24.21	
For Elevated Installation >35' To 40', Add	30.27	
For Elevated Installation >40', Add	33.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 05 33 13-0344 EA 3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	136.41	28.60
For Work In Restricted Working Space, Add	21.33	
For Elevated Installation >10' To 15', Add	7.11	
For Elevated Installation >15' To 20', Add	14.22	
For Elevated Installation >20' To 25', Add	17.78	
For Elevated Installation >25' To 30', Add	24.89	
For Elevated Installation >30' To 35', Add	28.44	
For Elevated Installation >35' To 40', Add	35.56	
For Elevated Installation >40', Add	39.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.33	
26 05 33 13-0345 EA 4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	164.61	32.99
For Work In Restricted Working Space, Add	24.74	
For Elevated Installation >10' To 15', Add	8.25	
For Elevated Installation >15' To 20', Add	16.49	
For Elevated Installation >20' To 25', Add	20.62	
For Elevated Installation >25' To 30', Add	28.86	
For Elevated Installation >30' To 35', Add	32.99	
For Elevated Installation >35' To 40', Add	41.24	
For Elevated Installation >40', Add	45.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.74	
<b>26 05 33 13-0346 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling</b> <small>(26 05 33 13-0059)</small>		
Note: Erickson fittings.		
26 05 33 13-0347 EA 1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	37.27	14.03
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.78	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.05	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.54	
26 05 33 13-0348 EA 3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	41.95	15.70
For Work In Restricted Working Space, Add	11.76	
For Elevated Installation >10' To 15', Add	3.92	
For Elevated Installation >15' To 20', Add	7.84	
For Elevated Installation >20' To 25', Add	9.80	
For Elevated Installation >25' To 30', Add	13.72	
For Elevated Installation >30' To 35', Add	15.68	
For Elevated Installation >35' To 40', Add	19.61	
For Elevated Installation >40', Add	21.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.76	
26 05 33 13-0349 EA 1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	48.74	17.46
For Work In Restricted Working Space, Add	13.10	
For Elevated Installation >10' To 15', Add	4.37	
For Elevated Installation >15' To 20', Add	8.74	
For Elevated Installation >20' To 25', Add	10.92	
For Elevated Installation >25' To 30', Add	15.29	
For Elevated Installation >30' To 35', Add	17.47	
For Elevated Installation >35' To 40', Add	21.84	
For Elevated Installation >40', Add	24.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.10	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0350	EA	1-1/4"	Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	58.58	19.12
			<i>For Work In Restricted Working Space, Add</i>	14.34	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.78	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.56	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.95	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.73	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.90	
			<i>For Elevated Installation &gt;40', Add</i>	26.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.34	
26 05 33 13-0351	EA	1-1/2"	Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	65.21	20.88
			<i>For Work In Restricted Working Space, Add</i>	15.69	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.23	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.46	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.07	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.30	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.92	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.15	
			<i>For Elevated Installation &gt;40', Add</i>	28.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.69	
26 05 33 13-0352	EA	2"	Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	82.51	22.63
			<i>For Work In Restricted Working Space, Add</i>	16.99	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.66	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.33	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.82	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.65	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.32	
			<i>For Elevated Installation &gt;40', Add</i>	31.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.99	
26 05 33 13-0353	EA	2-1/2"	Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	130.13	28.07
			<i>For Work In Restricted Working Space, Add</i>	21.05	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.02	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.56	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.09	
			<i>For Elevated Installation &gt;40', Add</i>	38.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.05	
26 05 33 13-0354	EA	3"	Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	178.73	35.09
			<i>For Work In Restricted Working Space, Add</i>	26.32	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.77	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.93	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	30.71	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	35.09	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	43.87	
			<i>For Elevated Installation &gt;40', Add</i>	48.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.32	
26 05 33 13-0355	EA	3-1/2"	Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	256.88	42.12
			<i>For Work In Restricted Working Space, Add</i>	31.60	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.06	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.33	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	36.86	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.13	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	52.66	
			<i>For Elevated Installation &gt;40', Add</i>	57.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.60	
26 05 33 13-0356	EA	4"	Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	292.28	45.62
			<i>For Work In Restricted Working Space, Add</i>	34.21	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.81	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.51	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	39.91	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.62	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	57.02	
			<i>For Elevated Installation &gt;40', Add</i>	62.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.21	
26 05 33 13-0357	EA	5"	Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	506.15	56.15
			<i>For Work In Restricted Working Space, Add</i>	42.11	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	28.07	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	35.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	49.12	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	56.14	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	70.18	
			<i>For Elevated Installation &gt;40', Add</i>	77.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.11	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0358 EA 6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	649.87	64.92
<i>For Work In Restricted Working Space, Add</i>	48.68	
<i>For Elevated Installation &gt;10' To 15', Add</i>	16.23	
<i>For Elevated Installation &gt;15' To 20', Add</i>	32.46	
<i>For Elevated Installation &gt;20' To 25', Add</i>	40.57	
<i>For Elevated Installation &gt;25' To 30', Add</i>	56.80	
<i>For Elevated Installation &gt;30' To 35', Add</i>	64.91	
<i>For Elevated Installation &gt;35' To 40', Add</i>	81.14	
<i>For Elevated Installation &gt;40', Add</i>	89.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.68	
<b>26 05 33 13-0359 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0059)</small></b>		
26 05 33 13-0360 EA 1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	24.52	7.02
<i>For Work In Restricted Working Space, Add</i>	5.27	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.76	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.51	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.39	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.14	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.02	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.78	
<i>For Elevated Installation &gt;40', Add</i>	9.65	
26 05 33 13-0361 EA 3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	27.55	7.72
<i>For Work In Restricted Working Space, Add</i>	5.79	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.93	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.86	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.83	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.76	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.72	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.65	
<i>For Elevated Installation &gt;40', Add</i>	10.62	
26 05 33 13-0362 EA 1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	31.75	8.77
<i>For Work In Restricted Working Space, Add</i>	6.58	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.19	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.39	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.48	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.77	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.97	
<i>For Elevated Installation &gt;40', Add</i>	12.06	
26 05 33 13-0363 EA 1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	36.66	9.47
<i>For Work In Restricted Working Space, Add</i>	7.11	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.37	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.92	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.29	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.48	
<i>For Elevated Installation &gt;35' To 40', Add</i>	11.85	
<i>For Elevated Installation &gt;40', Add</i>	13.03	
26 05 33 13-0364 EA 1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	44.39	10.52
<i>For Work In Restricted Working Space, Add</i>	7.90	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.63	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.26	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.58	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.21	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.53	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.16	
<i>For Elevated Installation &gt;40', Add</i>	14.48	
26 05 33 13-0365 EA 2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	55.67	11.58
<i>For Work In Restricted Working Space, Add</i>	8.69	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.90	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.79	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.24	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.13	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.58	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.48	
<i>For Elevated Installation &gt;40', Add</i>	15.92	
26 05 33 13-0366 EA 2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	77.92	14.03
<i>For Work In Restricted Working Space, Add</i>	10.53	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.51	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.02	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.77	
<i>For Elevated Installation &gt;25' To 30', Add</i>	12.28	
<i>For Elevated Installation &gt;30' To 35', Add</i>	14.04	
<i>For Elevated Installation &gt;35' To 40', Add</i>	17.55	
<i>For Elevated Installation &gt;40', Add</i>	19.30	
26 05 33 13-0367 EA 3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	96.12	17.55
<i>For Work In Restricted Working Space, Add</i>	13.16	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.39	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.77	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.97	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.54	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.93	
<i>For Elevated Installation &gt;40', Add</i>	24.12	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0368 EA 3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	115.51	21.06
For Work In Restricted Working Space, Add	15.79	
For Elevated Installation >10' To 15', Add	5.26	
For Elevated Installation >15' To 20', Add	10.53	
For Elevated Installation >20' To 25', Add	13.16	
For Elevated Installation >25' To 30', Add	18.42	
For Elevated Installation >30' To 35', Add	21.06	
For Elevated Installation >35' To 40', Add	26.32	
For Elevated Installation >40', Add	28.95	
26 05 33 13-0369 EA 4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	131.67	22.81
For Work In Restricted Working Space, Add	17.11	
For Elevated Installation >10' To 15', Add	5.70	
For Elevated Installation >15' To 20', Add	11.40	
For Elevated Installation >20' To 25', Add	14.26	
For Elevated Installation >25' To 30', Add	19.96	
For Elevated Installation >30' To 35', Add	22.81	
For Elevated Installation >35' To 40', Add	28.51	
For Elevated Installation >40', Add	31.36	
<b>26 05 33 13-0370 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <small>(26 05 33 13-0059)</small></b>		
26 05 33 13-0371 EA 1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	19.56	7.90
For Work In Restricted Working Space, Add	4.74	
For Elevated Installation >10' To 15', Add	1.58	
For Elevated Installation >15' To 20', Add	3.16	
For Elevated Installation >20' To 25', Add	3.95	
For Elevated Installation >25' To 30', Add	5.53	
For Elevated Installation >30' To 35', Add	6.32	
For Elevated Installation >35' To 40', Add	7.90	
For Elevated Installation >40', Add	8.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.74	
26 05 33 13-0372 EA 3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	21.80	8.77
For Work In Restricted Working Space, Add	5.27	
For Elevated Installation >10' To 15', Add	1.76	
For Elevated Installation >15' To 20', Add	3.51	
For Elevated Installation >20' To 25', Add	4.39	
For Elevated Installation >25' To 30', Add	6.14	
For Elevated Installation >30' To 35', Add	7.02	
For Elevated Installation >35' To 40', Add	8.78	
For Elevated Installation >40', Add	9.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
26 05 33 13-0373 EA 1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	26.91	10.97
For Work In Restricted Working Space, Add	6.58	
For Elevated Installation >10' To 15', Add	2.19	
For Elevated Installation >15' To 20', Add	4.39	
For Elevated Installation >20' To 25', Add	5.48	
For Elevated Installation >25' To 30', Add	7.68	
For Elevated Installation >30' To 35', Add	8.77	
For Elevated Installation >35' To 40', Add	10.97	
For Elevated Installation >40', Add	12.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.58	
26 05 33 13-0374 EA 1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	33.08	13.16
For Work In Restricted Working Space, Add	7.89	
For Elevated Installation >10' To 15', Add	2.63	
For Elevated Installation >15' To 20', Add	5.26	
For Elevated Installation >20' To 25', Add	6.58	
For Elevated Installation >25' To 30', Add	9.21	
For Elevated Installation >30' To 35', Add	10.52	
For Elevated Installation >35' To 40', Add	13.16	
For Elevated Installation >40', Add	14.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.89	
26 05 33 13-0375 EA 1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	42.53	17.55
For Work In Restricted Working Space, Add	10.53	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.02	
For Elevated Installation >20' To 25', Add	8.77	
For Elevated Installation >25' To 30', Add	12.28	
For Elevated Installation >30' To 35', Add	14.04	
For Elevated Installation >35' To 40', Add	17.55	
For Elevated Installation >40', Add	19.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 05 33 13-0376 EA 2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	49.43	19.74
For Work In Restricted Working Space, Add	11.84	
For Elevated Installation >10' To 15', Add	3.95	
For Elevated Installation >15' To 20', Add	7.90	
For Elevated Installation >20' To 25', Add	9.87	
For Elevated Installation >25' To 30', Add	13.82	
For Elevated Installation >30' To 35', Add	15.79	
For Elevated Installation >35' To 40', Add	19.74	
For Elevated Installation >40', Add	21.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0377 EA 2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	60.75	21.93
For Work In Restricted Working Space, Add	13.16	
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.77	
For Elevated Installation >20' To 25', Add	10.97	
For Elevated Installation >25' To 30', Add	15.35	
For Elevated Installation >30' To 35', Add	17.54	
For Elevated Installation >35' To 40', Add	21.93	
For Elevated Installation >40', Add	24.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.16	
26 05 33 13-0378 EA 3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	81.74	27.64
For Work In Restricted Working Space, Add	16.58	
For Elevated Installation >10' To 15', Add	5.53	
For Elevated Installation >15' To 20', Add	11.05	
For Elevated Installation >20' To 25', Add	13.82	
For Elevated Installation >25' To 30', Add	19.34	
For Elevated Installation >30' To 35', Add	22.11	
For Elevated Installation >35' To 40', Add	27.64	
For Elevated Installation >40', Add	30.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.58	
26 05 33 13-0379 EA 3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	97.07	33.34
For Work In Restricted Working Space, Add	20.00	
For Elevated Installation >10' To 15', Add	6.67	
For Elevated Installation >15' To 20', Add	13.33	
For Elevated Installation >20' To 25', Add	16.67	
For Elevated Installation >25' To 30', Add	23.33	
For Elevated Installation >30' To 35', Add	26.67	
For Elevated Installation >35' To 40', Add	33.34	
For Elevated Installation >40', Add	36.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.00	
26 05 33 13-0380 EA 4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	119.03	39.48
For Work In Restricted Working Space, Add	23.69	
For Elevated Installation >10' To 15', Add	7.90	
For Elevated Installation >15' To 20', Add	15.79	
For Elevated Installation >20' To 25', Add	19.74	
For Elevated Installation >25' To 30', Add	27.63	
For Elevated Installation >30' To 35', Add	31.58	
For Elevated Installation >35' To 40', Add	39.48	
For Elevated Installation >40', Add	43.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.69	
<b>26 05 33 13-0381 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement</b> <sup>(26 05</sup>		
<sup>33 13-0059)</sup>		
Note: Type AX		
26 05 33 13-0382 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	90.44	14.03
For Work In Restricted Working Space, Add	10.53	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.02	
For Elevated Installation >20' To 25', Add	8.78	
For Elevated Installation >25' To 30', Add	12.29	
For Elevated Installation >30' To 35', Add	14.04	
For Elevated Installation >35' To 40', Add	17.55	
For Elevated Installation >40', Add	19.31	
26 05 33 13-0383 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	102.65	15.79
For Work In Restricted Working Space, Add	11.84	
For Elevated Installation >10' To 15', Add	3.95	
For Elevated Installation >15' To 20', Add	7.90	
For Elevated Installation >20' To 25', Add	9.87	
For Elevated Installation >25' To 30', Add	13.82	
For Elevated Installation >30' To 35', Add	15.79	
For Elevated Installation >35' To 40', Add	19.74	
For Elevated Installation >40', Add	21.71	
26 05 33 13-0384 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	121.58	17.55
For Work In Restricted Working Space, Add	13.16	
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.77	
For Elevated Installation >20' To 25', Add	10.97	
For Elevated Installation >25' To 30', Add	15.35	
For Elevated Installation >30' To 35', Add	17.55	
For Elevated Installation >35' To 40', Add	21.94	
For Elevated Installation >40', Add	24.13	
26 05 33 13-0385 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	148.91	19.30
For Work In Restricted Working Space, Add	14.48	
For Elevated Installation >10' To 15', Add	4.83	
For Elevated Installation >15' To 20', Add	9.65	
For Elevated Installation >20' To 25', Add	12.06	
For Elevated Installation >25' To 30', Add	16.89	
For Elevated Installation >30' To 35', Add	19.30	
For Elevated Installation >35' To 40', Add	24.13	
For Elevated Installation >40', Add	26.54	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0386	EA		1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	187.17	21.06
			<i>For Work In Restricted Working Space, Add</i>	15.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.26	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.42	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.32	
			<i>For Elevated Installation &gt;40', Add</i>	28.95	
26 05 33 13-0387	EA		2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	258.81	22.81
			<i>For Work In Restricted Working Space, Add</i>	17.11	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.70	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.40	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.26	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.81	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.51	
			<i>For Elevated Installation &gt;40', Add</i>	31.36	
26 05 33 13-0388	EA		2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	396.38	28.07
			<i>For Work In Restricted Working Space, Add</i>	21.05	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.02	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.56	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.09	
			<i>For Elevated Installation &gt;40', Add</i>	38.60	
26 05 33 13-0389	EA		3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	507.86	35.09
			<i>For Work In Restricted Working Space, Add</i>	26.32	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.77	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.93	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	30.71	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	35.09	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	43.87	
			<i>For Elevated Installation &gt;40', Add</i>	48.25	
26 05 33 13-0390	EA		3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	741.51	42.12
			<i>For Work In Restricted Working Space, Add</i>	31.59	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.06	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.32	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	36.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	52.65	
			<i>For Elevated Installation &gt;40', Add</i>	57.91	
26 05 33 13-0391	EA		4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	790.43	45.62
			<i>For Work In Restricted Working Space, Add</i>	34.21	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.81	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.51	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	39.91	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.62	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	57.02	
			<i>For Elevated Installation &gt;40', Add</i>	62.72	
26 05 33 13-0392	EA		5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	1,210.86	56.15
			<i>For Work In Restricted Working Space, Add</i>	42.11	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	28.07	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	35.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	49.13	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	56.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	70.19	
			<i>For Elevated Installation &gt;40', Add</i>	77.20	
26 05 33 13-0393	EA		6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	1,487.52	62.29
			<i>For Work In Restricted Working Space, Add</i>	46.74	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.58	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	31.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	38.95	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	54.53	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	62.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	77.91	
			<i>For Elevated Installation &gt;40', Add</i>	85.70	
26 05 33 13-0394			<b>Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement</b> <small>(26 05 33 13-0399)</small>		
			Note: Type AX-8		
26 05 33 13-0395	EA		1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	99.69	14.03
			<i>For Work In Restricted Working Space, Add</i>	10.53	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.51	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.02	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.78	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.29	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.55	
			<i>For Elevated Installation &gt;40', Add</i>	19.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0396 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	110.85	15.79
For Work In Restricted Working Space, Add	11.84	
For Elevated Installation >10' To 15', Add	3.95	
For Elevated Installation >15' To 20', Add	7.90	
For Elevated Installation >20' To 25', Add	9.87	
For Elevated Installation >25' To 30', Add	13.82	
For Elevated Installation >30' To 35', Add	15.79	
For Elevated Installation >35' To 40', Add	19.74	
For Elevated Installation >40', Add	21.71	
26 05 33 13-0397 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	134.45	17.55
For Work In Restricted Working Space, Add	13.16	
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.77	
For Elevated Installation >20' To 25', Add	10.97	
For Elevated Installation >25' To 30', Add	15.35	
For Elevated Installation >30' To 35', Add	17.55	
For Elevated Installation >35' To 40', Add	21.94	
For Elevated Installation >40', Add	24.13	
26 05 33 13-0398 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	169.17	19.30
For Work In Restricted Working Space, Add	14.48	
For Elevated Installation >10' To 15', Add	4.83	
For Elevated Installation >15' To 20', Add	9.65	
For Elevated Installation >20' To 25', Add	12.06	
For Elevated Installation >25' To 30', Add	16.89	
For Elevated Installation >30' To 35', Add	19.30	
For Elevated Installation >35' To 40', Add	24.13	
For Elevated Installation >40', Add	26.54	
26 05 33 13-0399 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	227.42	21.06
For Work In Restricted Working Space, Add	15.79	
For Elevated Installation >10' To 15', Add	5.26	
For Elevated Installation >15' To 20', Add	10.53	
For Elevated Installation >20' To 25', Add	13.16	
For Elevated Installation >25' To 30', Add	18.42	
For Elevated Installation >30' To 35', Add	21.06	
For Elevated Installation >35' To 40', Add	26.32	
For Elevated Installation >40', Add	28.95	
26 05 33 13-0400 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	278.04	22.81
For Work In Restricted Working Space, Add	17.11	
For Elevated Installation >10' To 15', Add	5.70	
For Elevated Installation >15' To 20', Add	11.40	
For Elevated Installation >20' To 25', Add	14.26	
For Elevated Installation >25' To 30', Add	19.96	
For Elevated Installation >30' To 35', Add	22.81	
For Elevated Installation >35' To 40', Add	28.51	
For Elevated Installation >40', Add	31.36	
26 05 33 13-0401 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	521.06	28.07
For Work In Restricted Working Space, Add	21.05	
For Elevated Installation >10' To 15', Add	7.02	
For Elevated Installation >15' To 20', Add	14.04	
For Elevated Installation >20' To 25', Add	17.55	
For Elevated Installation >25' To 30', Add	24.56	
For Elevated Installation >30' To 35', Add	28.07	
For Elevated Installation >35' To 40', Add	35.09	
For Elevated Installation >40', Add	38.60	
26 05 33 13-0402 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	593.00	35.09
For Work In Restricted Working Space, Add	26.32	
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.55	
For Elevated Installation >20' To 25', Add	21.93	
For Elevated Installation >25' To 30', Add	30.71	
For Elevated Installation >30' To 35', Add	35.09	
For Elevated Installation >35' To 40', Add	43.87	
For Elevated Installation >40', Add	48.25	
26 05 33 13-0403 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	909.75	42.12
For Work In Restricted Working Space, Add	31.59	
For Elevated Installation >10' To 15', Add	10.53	
For Elevated Installation >15' To 20', Add	21.06	
For Elevated Installation >20' To 25', Add	26.32	
For Elevated Installation >25' To 30', Add	36.85	
For Elevated Installation >30' To 35', Add	42.12	
For Elevated Installation >35' To 40', Add	52.65	
For Elevated Installation >40', Add	57.91	
26 05 33 13-0404 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	984.89	45.62
For Work In Restricted Working Space, Add	34.21	
For Elevated Installation >10' To 15', Add	11.40	
For Elevated Installation >15' To 20', Add	22.81	
For Elevated Installation >20' To 25', Add	28.51	
For Elevated Installation >25' To 30', Add	39.91	
For Elevated Installation >30' To 35', Add	45.62	
For Elevated Installation >35' To 40', Add	57.02	
For Elevated Installation >40', Add	62.72	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0405	EA		5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,374.78	56.15
			<i>For Work In Restricted Working Space, Add</i>	42.11	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	28.07	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	35.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	49.13	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	56.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	70.19	
			<i>For Elevated Installation &gt;40', Add</i>	77.20	
26 05 33 13-0406	EA		6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,698.42	62.29
			<i>For Work In Restricted Working Space, Add</i>	46.74	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.58	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	31.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	38.95	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	54.53	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	62.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	77.91	
			<i>For Elevated Installation &gt;40', Add</i>	85.70	
26 05 33 13-0407			<b>Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement</b> <small>(26 05 33 13-0059)</small>		
			Note: Type EX		
26 05 33 13-0408	EA		1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	113.23	14.03
			<i>For Work In Restricted Working Space, Add</i>	10.53	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.51	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.02	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.78	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.29	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.55	
			<i>For Elevated Installation &gt;40', Add</i>	19.31	
26 05 33 13-0409	EA		3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	142.77	15.79
			<i>For Work In Restricted Working Space, Add</i>	11.84	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.82	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.79	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.74	
			<i>For Elevated Installation &gt;40', Add</i>	21.71	
26 05 33 13-0410	EA		1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	177.57	17.55
			<i>For Work In Restricted Working Space, Add</i>	13.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.97	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.94	
			<i>For Elevated Installation &gt;40', Add</i>	24.13	
26 05 33 13-0411	EA		1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	215.86	19.30
			<i>For Work In Restricted Working Space, Add</i>	14.48	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.83	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.65	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.06	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.89	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.13	
			<i>For Elevated Installation &gt;40', Add</i>	26.54	
26 05 33 13-0412	EA		1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	290.64	21.06
			<i>For Work In Restricted Working Space, Add</i>	15.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.26	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.42	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.32	
			<i>For Elevated Installation &gt;40', Add</i>	28.95	
26 05 33 13-0413	EA		2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	400.22	22.81
			<i>For Work In Restricted Working Space, Add</i>	17.11	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.70	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.40	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.26	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.81	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.51	
			<i>For Elevated Installation &gt;40', Add</i>	31.36	
26 05 33 13-0414	EA		2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	621.65	28.07
			<i>For Work In Restricted Working Space, Add</i>	21.05	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.02	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.56	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.09	
			<i>For Elevated Installation &gt;40', Add</i>	38.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0415 EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	837.92	35.09
For Work In Restricted Working Space, Add	26.32	
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.55	
For Elevated Installation >20' To 25', Add	21.93	
For Elevated Installation >25' To 30', Add	30.71	
For Elevated Installation >30' To 35', Add	35.09	
For Elevated Installation >35' To 40', Add	43.87	
For Elevated Installation >40', Add	48.25	
26 05 33 13-0416 EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,258.11	42.12
For Work In Restricted Working Space, Add	31.59	
For Elevated Installation >10' To 15', Add	10.53	
For Elevated Installation >15' To 20', Add	21.06	
For Elevated Installation >20' To 25', Add	26.32	
For Elevated Installation >25' To 30', Add	36.85	
For Elevated Installation >30' To 35', Add	42.12	
For Elevated Installation >35' To 40', Add	52.65	
For Elevated Installation >40', Add	57.91	
26 05 33 13-0417 EA 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,302.19	45.62
For Work In Restricted Working Space, Add	34.21	
For Elevated Installation >10' To 15', Add	11.40	
For Elevated Installation >15' To 20', Add	22.81	
For Elevated Installation >20' To 25', Add	28.51	
For Elevated Installation >25' To 30', Add	39.91	
For Elevated Installation >30' To 35', Add	45.62	
For Elevated Installation >35' To 40', Add	57.02	
For Elevated Installation >40', Add	62.72	
26 05 33 13-0418 EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,959.68	56.15
For Work In Restricted Working Space, Add	42.11	
For Elevated Installation >10' To 15', Add	14.04	
For Elevated Installation >15' To 20', Add	28.07	
For Elevated Installation >20' To 25', Add	35.09	
For Elevated Installation >25' To 30', Add	49.13	
For Elevated Installation >30' To 35', Add	56.15	
For Elevated Installation >35' To 40', Add	70.19	
For Elevated Installation >40', Add	77.20	
26 05 33 13-0419 EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,429.36	62.29
For Work In Restricted Working Space, Add	46.74	
For Elevated Installation >10' To 15', Add	15.58	
For Elevated Installation >15' To 20', Add	31.16	
For Elevated Installation >20' To 25', Add	38.95	
For Elevated Installation >25' To 30', Add	54.53	
For Elevated Installation >30' To 35', Add	62.32	
For Elevated Installation >35' To 40', Add	77.91	
For Elevated Installation >40', Add	85.70	
<b>26 05 33 13-0420 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings</b> <small>(26 05 33 13-0059)</small>		
Note: Type DX		
26 05 33 13-0421 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	196.72	14.03
For Work In Restricted Working Space, Add	10.53	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.02	
For Elevated Installation >20' To 25', Add	8.78	
For Elevated Installation >25' To 30', Add	12.29	
For Elevated Installation >30' To 35', Add	14.04	
For Elevated Installation >35' To 40', Add	17.55	
For Elevated Installation >40', Add	19.31	
26 05 33 13-0422 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	234.33	15.79
For Work In Restricted Working Space, Add	11.84	
For Elevated Installation >10' To 15', Add	3.95	
For Elevated Installation >15' To 20', Add	7.90	
For Elevated Installation >20' To 25', Add	9.87	
For Elevated Installation >25' To 30', Add	13.82	
For Elevated Installation >30' To 35', Add	15.79	
For Elevated Installation >35' To 40', Add	19.74	
For Elevated Installation >40', Add	21.71	
26 05 33 13-0423 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	283.23	17.55
For Work In Restricted Working Space, Add	13.16	
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.77	
For Elevated Installation >20' To 25', Add	10.97	
For Elevated Installation >25' To 30', Add	15.35	
For Elevated Installation >30' To 35', Add	17.55	
For Elevated Installation >35' To 40', Add	21.94	
For Elevated Installation >40', Add	24.13	
26 05 33 13-0424 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	332.94	19.30
For Work In Restricted Working Space, Add	14.48	
For Elevated Installation >10' To 15', Add	4.83	
For Elevated Installation >15' To 20', Add	9.65	
For Elevated Installation >20' To 25', Add	12.06	
For Elevated Installation >25' To 30', Add	16.89	
For Elevated Installation >30' To 35', Add	19.30	
For Elevated Installation >35' To 40', Add	24.13	
For Elevated Installation >40', Add	26.54	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0425 EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	368.18	21.06
For Work In Restricted Working Space, Add	15.79	
For Elevated Installation >10' To 15', Add	5.26	
For Elevated Installation >15' To 20', Add	10.53	
For Elevated Installation >20' To 25', Add	13.16	
For Elevated Installation >25' To 30', Add	18.42	
For Elevated Installation >30' To 35', Add	21.06	
For Elevated Installation >35' To 40', Add	26.32	
For Elevated Installation >40', Add	28.95	
26 05 33 13-0426 EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	454.98	22.81
For Work In Restricted Working Space, Add	17.11	
For Elevated Installation >10' To 15', Add	5.70	
For Elevated Installation >15' To 20', Add	11.40	
For Elevated Installation >20' To 25', Add	14.26	
For Elevated Installation >25' To 30', Add	19.96	
For Elevated Installation >30' To 35', Add	22.81	
For Elevated Installation >35' To 40', Add	28.51	
For Elevated Installation >40', Add	31.36	
26 05 33 13-0427 EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	601.32	28.07
For Work In Restricted Working Space, Add	21.05	
For Elevated Installation >10' To 15', Add	7.02	
For Elevated Installation >15' To 20', Add	14.04	
For Elevated Installation >20' To 25', Add	17.55	
For Elevated Installation >25' To 30', Add	24.56	
For Elevated Installation >30' To 35', Add	28.07	
For Elevated Installation >35' To 40', Add	35.09	
For Elevated Installation >40', Add	38.60	
26 05 33 13-0428 EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	762.59	35.09
For Work In Restricted Working Space, Add	26.32	
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.55	
For Elevated Installation >20' To 25', Add	21.93	
For Elevated Installation >25' To 30', Add	30.71	
For Elevated Installation >30' To 35', Add	35.09	
For Elevated Installation >35' To 40', Add	43.87	
For Elevated Installation >40', Add	48.25	
26 05 33 13-0429 EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	858.11	42.12
For Work In Restricted Working Space, Add	31.59	
For Elevated Installation >10' To 15', Add	10.53	
For Elevated Installation >15' To 20', Add	21.06	
For Elevated Installation >20' To 25', Add	26.32	
For Elevated Installation >25' To 30', Add	36.85	
For Elevated Installation >30' To 35', Add	42.12	
For Elevated Installation >35' To 40', Add	52.65	
For Elevated Installation >40', Add	57.91	
26 05 33 13-0430 EA 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	1,040.46	45.62
For Work In Restricted Working Space, Add	34.21	
For Elevated Installation >10' To 15', Add	11.40	
For Elevated Installation >15' To 20', Add	22.81	
For Elevated Installation >20' To 25', Add	28.51	
For Elevated Installation >25' To 30', Add	39.91	
For Elevated Installation >30' To 35', Add	45.62	
For Elevated Installation >35' To 40', Add	57.02	
For Elevated Installation >40', Add	62.72	
26 05 33 13-0431 EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	1,779.19	56.15
For Work In Restricted Working Space, Add	42.11	
For Elevated Installation >10' To 15', Add	14.04	
For Elevated Installation >15' To 20', Add	28.07	
For Elevated Installation >20' To 25', Add	35.09	
For Elevated Installation >25' To 30', Add	49.13	
For Elevated Installation >30' To 35', Add	56.15	
For Elevated Installation >35' To 40', Add	70.19	
For Elevated Installation >40', Add	77.20	
26 05 33 13-0432 EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	2,828.50	62.29
For Work In Restricted Working Space, Add	46.74	
For Elevated Installation >10' To 15', Add	15.58	
For Elevated Installation >15' To 20', Add	31.16	
For Elevated Installation >20' To 25', Add	38.95	
For Elevated Installation >25' To 30', Add	54.53	
For Elevated Installation >30' To 35', Add	62.32	
For Elevated Installation >35' To 40', Add	77.91	
For Elevated Installation >40', Add	85.70	
<b>26 05 33 13-0433 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0434 EA 1/2" To 3/4" Conduit, 14" Bonding Jumper.....	50.87	7.02
For Work In Restricted Working Space, Add	5.27	
For Elevated Installation >10' To 15', Add	1.76	
For Elevated Installation >15' To 20', Add	3.51	
For Elevated Installation >20' To 25', Add	4.39	
For Elevated Installation >25' To 30', Add	6.14	
For Elevated Installation >30' To 35', Add	7.02	
For Elevated Installation >35' To 40', Add	8.78	
For Elevated Installation >40', Add	9.65	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0435 EA 1" To 1-1/4" Conduit, 14" Bonding Jumper .....	58.62	8.77
For Work In Restricted Working Space, Add	6.58	
For Elevated Installation >10' To 15', Add	2.19	
For Elevated Installation >15' To 20', Add	4.39	
For Elevated Installation >20' To 25', Add	5.48	
For Elevated Installation >25' To 30', Add	7.68	
For Elevated Installation >30' To 35', Add	8.77	
For Elevated Installation >35' To 40', Add	10.97	
For Elevated Installation >40', Add	12.06	
26 05 33 13-0436 EA 1-1/2" To 2" Conduit, 14" Bonding Jumper .....	72.26	10.52
For Work In Restricted Working Space, Add	7.89	
For Elevated Installation >10' To 15', Add	2.63	
For Elevated Installation >15' To 20', Add	5.26	
For Elevated Installation >20' To 25', Add	6.58	
For Elevated Installation >25' To 30', Add	9.21	
For Elevated Installation >30' To 35', Add	10.52	
For Elevated Installation >35' To 40', Add	13.16	
For Elevated Installation >40', Add	14.47	
26 05 33 13-0437 EA 2-1/2" To 3" Conduit, 14" Bonding Jumper .....	101.49	14.03
For Work In Restricted Working Space, Add	10.53	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.02	
For Elevated Installation >20' To 25', Add	8.77	
For Elevated Installation >25' To 30', Add	12.28	
For Elevated Installation >30' To 35', Add	14.04	
For Elevated Installation >35' To 40', Add	17.55	
For Elevated Installation >40', Add	19.30	
26 05 33 13-0438 EA 3-1/2" To 4" Conduit, 14" Bonding Jumper .....	153.76	21.06
For Work In Restricted Working Space, Add	15.79	
For Elevated Installation >10' To 15', Add	5.26	
For Elevated Installation >15' To 20', Add	10.53	
For Elevated Installation >20' To 25', Add	13.16	
For Elevated Installation >25' To 30', Add	18.42	
For Elevated Installation >30' To 35', Add	21.06	
For Elevated Installation >35' To 40', Add	26.32	
For Elevated Installation >40', Add	28.95	
26 05 33 13-0439 EA 5" To 6" Conduit, 14" Bonding Jumper .....	262.30	28.07
For Work In Restricted Working Space, Add	21.05	
For Elevated Installation >10' To 15', Add	7.02	
For Elevated Installation >15' To 20', Add	14.04	
For Elevated Installation >20' To 25', Add	17.55	
For Elevated Installation >25' To 30', Add	24.56	
For Elevated Installation >30' To 35', Add	28.07	
For Elevated Installation >35' To 40', Add	35.09	
For Elevated Installation >40', Add	38.60	
26 05 33 13-0440 EA 1/2" To 3/4" Conduit, 24" Bonding Jumper .....	56.58	7.02
For Work In Restricted Working Space, Add	5.27	
For Elevated Installation >10' To 15', Add	1.76	
For Elevated Installation >15' To 20', Add	3.51	
For Elevated Installation >20' To 25', Add	4.39	
For Elevated Installation >25' To 30', Add	6.14	
For Elevated Installation >30' To 35', Add	7.02	
For Elevated Installation >35' To 40', Add	8.78	
For Elevated Installation >40', Add	9.65	
26 05 33 13-0441 EA 1" To 1-1/4" Conduit, 24" Bonding Jumper .....	65.83	8.77
For Work In Restricted Working Space, Add	6.58	
For Elevated Installation >10' To 15', Add	2.19	
For Elevated Installation >15' To 20', Add	4.39	
For Elevated Installation >20' To 25', Add	5.48	
For Elevated Installation >25' To 30', Add	7.68	
For Elevated Installation >30' To 35', Add	8.77	
For Elevated Installation >35' To 40', Add	10.97	
For Elevated Installation >40', Add	12.06	
26 05 33 13-0442 EA 1-1/2" To 2" Conduit, 24" Bonding Jumper .....	78.86	10.52
For Work In Restricted Working Space, Add	7.89	
For Elevated Installation >10' To 15', Add	2.63	
For Elevated Installation >15' To 20', Add	5.26	
For Elevated Installation >20' To 25', Add	6.58	
For Elevated Installation >25' To 30', Add	9.21	
For Elevated Installation >30' To 35', Add	10.52	
For Elevated Installation >35' To 40', Add	13.16	
For Elevated Installation >40', Add	14.47	
26 05 33 13-0443 EA 2-1/2" To 3" Conduit, 24" Bonding Jumper .....	110.26	14.03
For Work In Restricted Working Space, Add	10.53	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.02	
For Elevated Installation >20' To 25', Add	8.77	
For Elevated Installation >25' To 30', Add	12.28	
For Elevated Installation >30' To 35', Add	14.04	
For Elevated Installation >35' To 40', Add	17.55	
For Elevated Installation >40', Add	19.30	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0444	EA		3-1/2" To 4" Conduit, 24" Bonding Jumper .....	165.39	21.06
			<i>For Work In Restricted Working Space, Add</i>	15.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.26	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.42	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.32	
			<i>For Elevated Installation &gt;40', Add</i>	28.95	
26 05 33 13-0445	EA		5" To 6" Conduit, 24" Bonding Jumper.....	299.81	28.07
			<i>For Work In Restricted Working Space, Add</i>	21.05	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.02	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.56	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.09	
			<i>For Elevated Installation &gt;40', Add</i>	38.60	
<b>26 05 33 13-0446</b>			<b>Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0447	EA		1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	92.24	21.93
			<i>For Work In Restricted Working Space, Add</i>	13.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.97	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.54	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.93	
			<i>For Elevated Installation &gt;40', Add</i>	24.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.16	
26 05 33 13-0448	EA		3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	109.46	26.31
			<i>For Work In Restricted Working Space, Add</i>	15.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.26	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.42	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.32	
			<i>For Elevated Installation &gt;40', Add</i>	28.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.79	
26 05 33 13-0449	EA		1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	134.44	30.71
			<i>For Work In Restricted Working Space, Add</i>	18.42	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.14	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.35	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.49	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.56	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.71	
			<i>For Elevated Installation &gt;40', Add</i>	33.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.42	
26 05 33 13-0450	EA		1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal .....	158.86	35.09
			<i>For Work In Restricted Working Space, Add</i>	21.05	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.02	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.56	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.09	
			<i>For Elevated Installation &gt;40', Add</i>	38.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.05	
26 05 33 13-0451	EA		1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal .....	212.46	39.48
			<i>For Work In Restricted Working Space, Add</i>	23.69	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.74	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.63	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.48	
			<i>For Elevated Installation &gt;40', Add</i>	43.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.69	
26 05 33 13-0452	EA		2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	260.71	43.86
			<i>For Work In Restricted Working Space, Add</i>	26.32	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.77	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.93	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	30.71	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	35.09	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	43.87	
			<i>For Elevated Installation &gt;40', Add</i>	48.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0453 EA 2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal .....	374.04	52.64
<i>For Work In Restricted Working Space, Add</i>	31.58	
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.53	
<i>For Elevated Installation &gt;15' To 20', Add</i>	21.06	
<i>For Elevated Installation &gt;20' To 25', Add</i>	26.32	
<i>For Elevated Installation &gt;25' To 30', Add</i>	36.85	
<i>For Elevated Installation &gt;30' To 35', Add</i>	42.11	
<i>For Elevated Installation &gt;35' To 40', Add</i>	52.64	
<i>For Elevated Installation &gt;40', Add</i>	57.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.58	
26 05 33 13-0454 EA 3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	451.12	61.41
<i>For Work In Restricted Working Space, Add</i>	36.85	
<i>For Elevated Installation &gt;10' To 15', Add</i>	12.28	
<i>For Elevated Installation &gt;15' To 20', Add</i>	24.56	
<i>For Elevated Installation &gt;20' To 25', Add</i>	30.71	
<i>For Elevated Installation &gt;25' To 30', Add</i>	42.99	
<i>For Elevated Installation &gt;30' To 35', Add</i>	49.13	
<i>For Elevated Installation &gt;35' To 40', Add</i>	61.41	
<i>For Elevated Installation &gt;40', Add</i>	67.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.85	
26 05 33 13-0455 EA 3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal .....	1,087.22	70.18
<i>For Work In Restricted Working Space, Add</i>	42.11	
<i>For Elevated Installation &gt;10' To 15', Add</i>	14.04	
<i>For Elevated Installation &gt;15' To 20', Add</i>	28.07	
<i>For Elevated Installation &gt;20' To 25', Add</i>	35.09	
<i>For Elevated Installation &gt;25' To 30', Add</i>	49.13	
<i>For Elevated Installation &gt;30' To 35', Add</i>	56.15	
<i>For Elevated Installation &gt;35' To 40', Add</i>	70.19	
<i>For Elevated Installation &gt;40', Add</i>	77.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.11	
26 05 33 13-0456 EA 4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	1,253.75	78.95
<i>For Work In Restricted Working Space, Add</i>	47.38	
<i>For Elevated Installation &gt;10' To 15', Add</i>	15.79	
<i>For Elevated Installation &gt;15' To 20', Add</i>	31.58	
<i>For Elevated Installation &gt;20' To 25', Add</i>	39.48	
<i>For Elevated Installation &gt;25' To 30', Add</i>	55.27	
<i>For Elevated Installation &gt;30' To 35', Add</i>	63.17	
<i>For Elevated Installation &gt;35' To 40', Add</i>	78.96	
<i>For Elevated Installation &gt;40', Add</i>	86.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.38	
<b>26 05 33 13-0457 Rigid Galvanized Steel (RGS) Threaded Couplings</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0458 EA 1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	11.64	5.27
<i>For Work In Restricted Working Space, Add</i>	3.16	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.05	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.10	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.63	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.21	
<i>For Elevated Installation &gt;35' To 40', Add</i>	5.26	
<i>For Elevated Installation &gt;40', Add</i>	5.79	
26 05 33 13-0459 EA 3/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	16.32	7.45
<i>For Work In Restricted Working Space, Add</i>	4.48	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.98	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.73	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.22	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.97	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.46	
<i>For Elevated Installation &gt;40', Add</i>	8.21	
26 05 33 13-0460 EA 1" Rigid Galvanized Steel (RGS) Threaded Coupling.....	21.44	9.65
<i>For Work In Restricted Working Space, Add</i>	5.79	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.93	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.86	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.83	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.76	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.72	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.65	
<i>For Elevated Installation &gt;40', Add</i>	10.62	
26 05 33 13-0461 EA 1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	24.63	10.97
<i>For Work In Restricted Working Space, Add</i>	6.58	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.19	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.39	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.48	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.77	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.97	
<i>For Elevated Installation &gt;40', Add</i>	12.06	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0462 EA 1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	29.69	13.16
For Work In Restricted Working Space, Add	7.89	
For Elevated Installation >10' To 15', Add	2.63	
For Elevated Installation >15' To 20', Add	5.26	
For Elevated Installation >20' To 25', Add	6.58	
For Elevated Installation >25' To 30', Add	9.21	
For Elevated Installation >30' To 35', Add	10.52	
For Elevated Installation >35' To 40', Add	13.16	
For Elevated Installation >40', Add	14.47	
26 05 33 13-0463 EA 2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	34.87	14.92
For Work In Restricted Working Space, Add	8.95	
For Elevated Installation >10' To 15', Add	2.98	
For Elevated Installation >15' To 20', Add	5.97	
For Elevated Installation >20' To 25', Add	7.46	
For Elevated Installation >25' To 30', Add	10.44	
For Elevated Installation >30' To 35', Add	11.93	
For Elevated Installation >35' To 40', Add	14.92	
For Elevated Installation >40', Add	16.41	
26 05 33 13-0464 EA 2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	44.65	16.67
For Work In Restricted Working Space, Add	10.00	
For Elevated Installation >10' To 15', Add	3.33	
For Elevated Installation >15' To 20', Add	6.67	
For Elevated Installation >20' To 25', Add	8.34	
For Elevated Installation >25' To 30', Add	11.67	
For Elevated Installation >30' To 35', Add	13.34	
For Elevated Installation >35' To 40', Add	16.67	
For Elevated Installation >40', Add	18.34	
26 05 33 13-0465 EA 3" Rigid Galvanized Steel (RGS) Threaded Coupling.....	52.42	18.86
For Work In Restricted Working Space, Add	11.32	
For Elevated Installation >10' To 15', Add	3.77	
For Elevated Installation >15' To 20', Add	7.54	
For Elevated Installation >20' To 25', Add	9.43	
For Elevated Installation >25' To 30', Add	13.20	
For Elevated Installation >30' To 35', Add	15.09	
For Elevated Installation >35' To 40', Add	18.86	
For Elevated Installation >40', Add	20.75	
26 05 33 13-0466 EA 3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	61.09	20.62
For Work In Restricted Working Space, Add	12.37	
For Elevated Installation >10' To 15', Add	4.12	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.31	
For Elevated Installation >25' To 30', Add	14.43	
For Elevated Installation >30' To 35', Add	16.49	
For Elevated Installation >35' To 40', Add	20.62	
For Elevated Installation >40', Add	22.68	
26 05 33 13-0467 EA 4" Threaded Rigid Galvanized Steel (RGS) Coupling.....	64.55	21.93
For Work In Restricted Working Space, Add	13.16	
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.77	
For Elevated Installation >20' To 25', Add	10.97	
For Elevated Installation >25' To 30', Add	15.35	
For Elevated Installation >30' To 35', Add	17.54	
For Elevated Installation >35' To 40', Add	21.93	
For Elevated Installation >40', Add	24.12	
<b>26 05 33 13-0468 Rigid Galvanized Steel (RGS) Sealing Locknut</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0469 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	2.75	0.87
26 05 33 13-0470 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	3.77	1.31
26 05 33 13-0471 EA 1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	6.26	2.20
26 05 33 13-0472 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	9.08	3.07
26 05 33 13-0473 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	10.90	3.51
26 05 33 13-0474 EA 2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	12.84	3.95
<b>26 05 33 13-0475 Rigid Galvanized Steel (RGS) Fire Stop Fittings</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0476 EA 1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	219.37	10.65
For Work In Restricted Working Space, Add	7.99	
For Elevated Installation >10' To 15', Add	2.66	
For Elevated Installation >15' To 20', Add	5.32	
For Elevated Installation >20' To 25', Add	6.66	
For Elevated Installation >25' To 30', Add	9.32	
For Elevated Installation >30' To 35', Add	10.65	
For Elevated Installation >35' To 40', Add	13.31	
For Elevated Installation >40', Add	14.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.99	
26 05 33 13-0477 EA 3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	221.93	11.67
For Work In Restricted Working Space, Add	8.75	
For Elevated Installation >10' To 15', Add	2.92	
For Elevated Installation >15' To 20', Add	5.84	
For Elevated Installation >20' To 25', Add	7.30	
For Elevated Installation >25' To 30', Add	10.21	
For Elevated Installation >30' To 35', Add	11.67	
For Elevated Installation >35' To 40', Add	14.59	
For Elevated Installation >40', Add	16.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0478 EA 1" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	267.86	12.81
For Work In Restricted Working Space, Add	9.59	
For Elevated Installation >10' To 15', Add	3.20	
For Elevated Installation >15' To 20', Add	6.39	
For Elevated Installation >20' To 25', Add	7.99	
For Elevated Installation >25' To 30', Add	11.19	
For Elevated Installation >30' To 35', Add	12.78	
For Elevated Installation >35' To 40', Add	15.98	
For Elevated Installation >40', Add	17.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.59	
26 05 33 13-0479 EA 1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	294.04	14.03
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.02	
For Elevated Installation >20' To 25', Add	8.78	
For Elevated Installation >25' To 30', Add	12.29	
For Elevated Installation >30' To 35', Add	14.05	
For Elevated Installation >35' To 40', Add	17.56	
For Elevated Installation >40', Add	19.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.54	
26 05 33 13-0480 EA 1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	335.80	15.79
For Work In Restricted Working Space, Add	11.84	
For Elevated Installation >10' To 15', Add	3.95	
For Elevated Installation >15' To 20', Add	7.90	
For Elevated Installation >20' To 25', Add	9.87	
For Elevated Installation >25' To 30', Add	13.82	
For Elevated Installation >30' To 35', Add	15.79	
For Elevated Installation >35' To 40', Add	19.74	
For Elevated Installation >40', Add	21.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.84	
26 05 33 13-0481 EA 2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	504.19	17.55
For Work In Restricted Working Space, Add	13.17	
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.78	
For Elevated Installation >20' To 25', Add	10.97	
For Elevated Installation >25' To 30', Add	15.36	
For Elevated Installation >30' To 35', Add	17.56	
For Elevated Installation >35' To 40', Add	21.95	
For Elevated Installation >40', Add	24.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.17	
26 05 33 13-0482 EA 2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	576.36	23.43
For Work In Restricted Working Space, Add	17.56	
For Elevated Installation >10' To 15', Add	5.85	
For Elevated Installation >15' To 20', Add	11.70	
For Elevated Installation >20' To 25', Add	14.63	
For Elevated Installation >25' To 30', Add	20.48	
For Elevated Installation >30' To 35', Add	23.41	
For Elevated Installation >35' To 40', Add	29.26	
For Elevated Installation >40', Add	32.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.56	
26 05 33 13-0483 EA 3" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	639.69	25.70
For Work In Restricted Working Space, Add	19.29	
For Elevated Installation >10' To 15', Add	6.43	
For Elevated Installation >15' To 20', Add	12.86	
For Elevated Installation >20' To 25', Add	16.08	
For Elevated Installation >25' To 30', Add	22.51	
For Elevated Installation >30' To 35', Add	25.72	
For Elevated Installation >35' To 40', Add	32.16	
For Elevated Installation >40', Add	35.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.29	
26 05 33 13-0484 EA 3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	746.26	28.07
For Work In Restricted Working Space, Add	21.06	
For Elevated Installation >10' To 15', Add	7.02	
For Elevated Installation >15' To 20', Add	14.04	
For Elevated Installation >20' To 25', Add	17.55	
For Elevated Installation >25' To 30', Add	24.57	
For Elevated Installation >30' To 35', Add	28.08	
For Elevated Installation >35' To 40', Add	35.10	
For Elevated Installation >40', Add	38.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.06	
26 05 33 13-0485 EA 4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	841.32	31.58
For Work In Restricted Working Space, Add	23.69	
For Elevated Installation >10' To 15', Add	7.90	
For Elevated Installation >15' To 20', Add	15.79	
For Elevated Installation >20' To 25', Add	19.74	
For Elevated Installation >25' To 30', Add	27.63	
For Elevated Installation >30' To 35', Add	31.58	
For Elevated Installation >35' To 40', Add	39.48	
For Elevated Installation >40', Add	43.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.69	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0486	EA		5" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	1,137.79	35.09
			<i>For Work In Restricted Working Space, Add</i>	26.32	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.77	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.93	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	30.71	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	35.09	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	43.87	
			<i>For Elevated Installation &gt;40', Add</i>	48.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.32	
26 05 33 13-0487	EA		6" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	1,420.75	38.95
			<i>For Work In Restricted Working Space, Add</i>	29.21	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.74	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.48	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	24.35	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	34.08	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	38.95	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	48.69	
			<i>For Elevated Installation &gt;40', Add</i>	53.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.21	
<b>26 05 33 13-0488</b>			<b>Rigid Galvanized Steel (RGS) Reducing Bushings</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0489	EA		3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	14.36	6.80
			<i>For Work In Restricted Working Space, Add</i>	4.08	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.40	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.44	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.80	
			<i>For Elevated Installation &gt;40', Add</i>	7.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.08	
26 05 33 13-0490	EA		1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	15.88	7.23
			<i>For Work In Restricted Working Space, Add</i>	4.34	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.45	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.62	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.07	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.79	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.24	
			<i>For Elevated Installation &gt;40', Add</i>	7.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.34	
26 05 33 13-0491	EA		1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing .....	16.32	7.45
			<i>For Work In Restricted Working Space, Add</i>	4.48	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.98	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.73	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.22	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.97	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.46	
			<i>For Elevated Installation &gt;40', Add</i>	8.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 05 33 13-0492	EA		1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	18.99	7.67
			<i>For Work In Restricted Working Space, Add</i>	4.61	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.54	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.07	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.84	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.37	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.14	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.68	
			<i>For Elevated Installation &gt;40', Add</i>	8.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
26 05 33 13-0493	EA		1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing .....	19.43	7.90
			<i>For Work In Restricted Working Space, Add</i>	4.74	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.58	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.95	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.53	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.90	
			<i>For Elevated Installation &gt;40', Add</i>	8.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.74	
26 05 33 13-0494	EA		1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing .....	20.31	8.34
			<i>For Work In Restricted Working Space, Add</i>	5.00	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.67	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.33	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.17	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.83	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.67	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.34	
			<i>For Elevated Installation &gt;40', Add</i>	9.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0495 EA 1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	21.96	8.77
For Work In Restricted Working Space, Add	5.27	
For Elevated Installation >10' To 15', Add	1.76	
For Elevated Installation >15' To 20', Add	3.51	
For Elevated Installation >20' To 25', Add	4.39	
For Elevated Installation >25' To 30', Add	6.14	
For Elevated Installation >30' To 35', Add	7.02	
For Elevated Installation >35' To 40', Add	8.78	
For Elevated Installation >40', Add	9.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
26 05 33 13-0496 EA 1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	22.40	8.99
For Work In Restricted Working Space, Add	5.40	
For Elevated Installation >10' To 15', Add	1.80	
For Elevated Installation >15' To 20', Add	3.60	
For Elevated Installation >20' To 25', Add	4.50	
For Elevated Installation >25' To 30', Add	6.30	
For Elevated Installation >30' To 35', Add	7.20	
For Elevated Installation >35' To 40', Add	9.00	
For Elevated Installation >40', Add	9.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.40	
26 05 33 13-0497 EA 1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing.....	23.27	9.43
For Work In Restricted Working Space, Add	5.66	
For Elevated Installation >10' To 15', Add	1.89	
For Elevated Installation >15' To 20', Add	3.77	
For Elevated Installation >20' To 25', Add	4.72	
For Elevated Installation >25' To 30', Add	6.60	
For Elevated Installation >30' To 35', Add	7.54	
For Elevated Installation >35' To 40', Add	9.43	
For Elevated Installation >40', Add	10.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.66	
26 05 33 13-0498 EA 1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	24.15	9.87
For Work In Restricted Working Space, Add	5.92	
For Elevated Installation >10' To 15', Add	1.97	
For Elevated Installation >15' To 20', Add	3.95	
For Elevated Installation >20' To 25', Add	4.94	
For Elevated Installation >25' To 30', Add	6.91	
For Elevated Installation >30' To 35', Add	7.90	
For Elevated Installation >35' To 40', Add	9.87	
For Elevated Installation >40', Add	10.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.92	
26 05 33 13-0499 EA 2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	29.43	9.87
For Work In Restricted Working Space, Add	5.92	
For Elevated Installation >10' To 15', Add	1.97	
For Elevated Installation >15' To 20', Add	3.95	
For Elevated Installation >20' To 25', Add	4.94	
For Elevated Installation >25' To 30', Add	6.91	
For Elevated Installation >30' To 35', Add	7.90	
For Elevated Installation >35' To 40', Add	9.87	
For Elevated Installation >40', Add	10.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.92	
26 05 33 13-0500 EA 2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	29.86	10.09
For Work In Restricted Working Space, Add	6.05	
For Elevated Installation >10' To 15', Add	2.02	
For Elevated Installation >15' To 20', Add	4.03	
For Elevated Installation >20' To 25', Add	5.04	
For Elevated Installation >25' To 30', Add	7.06	
For Elevated Installation >30' To 35', Add	8.07	
For Elevated Installation >35' To 40', Add	10.09	
For Elevated Installation >40', Add	11.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.05	
26 05 33 13-0501 EA 2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing.....	30.75	10.52
For Work In Restricted Working Space, Add	6.32	
For Elevated Installation >10' To 15', Add	2.11	
For Elevated Installation >15' To 20', Add	4.21	
For Elevated Installation >20' To 25', Add	5.27	
For Elevated Installation >25' To 30', Add	7.37	
For Elevated Installation >30' To 35', Add	8.42	
For Elevated Installation >35' To 40', Add	10.53	
For Elevated Installation >40', Add	11.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.32	
26 05 33 13-0502 EA 2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	31.62	10.97
For Work In Restricted Working Space, Add	6.58	
For Elevated Installation >10' To 15', Add	2.19	
For Elevated Installation >15' To 20', Add	4.39	
For Elevated Installation >20' To 25', Add	5.48	
For Elevated Installation >25' To 30', Add	7.68	
For Elevated Installation >30' To 35', Add	8.77	
For Elevated Installation >35' To 40', Add	10.97	
For Elevated Installation >40', Add	12.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.58	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0503 EA 2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	33.82	12.06
For Work In Restricted Working Space, Add	7.24	
For Elevated Installation >10' To 15', Add	2.41	
For Elevated Installation >15' To 20', Add	4.83	
For Elevated Installation >20' To 25', Add	6.03	
For Elevated Installation >25' To 30', Add	8.45	
For Elevated Installation >30' To 35', Add	9.65	
For Elevated Installation >35' To 40', Add	12.07	
For Elevated Installation >40', Add	13.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.24	
26 05 33 13-0504 EA 2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	42.87	14.26
For Work In Restricted Working Space, Add	8.55	
For Elevated Installation >10' To 15', Add	2.85	
For Elevated Installation >15' To 20', Add	5.70	
For Elevated Installation >20' To 25', Add	7.13	
For Elevated Installation >25' To 30', Add	9.98	
For Elevated Installation >30' To 35', Add	11.40	
For Elevated Installation >35' To 40', Add	14.26	
For Elevated Installation >40', Add	15.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.55	
<b>26 05 33 13-0505 Rigid Galvanized Steel (RGS) Locknuts (26 05 33 13-0059)</b>		
26 05 33 13-0506 EA 1/2" Rigid Galvanized Steel (RGS) Locknuts .....	1.83	0.87
For Work In Restricted Working Space, Add	0.53	
For Elevated Installation >10' To 15', Add	0.18	
For Elevated Installation >15' To 20', Add	0.35	
For Elevated Installation >20' To 25', Add	0.44	
For Elevated Installation >25' To 30', Add	0.62	
For Elevated Installation >30' To 35', Add	0.70	
For Elevated Installation >35' To 40', Add	0.88	
For Elevated Installation >40', Add	0.97	
26 05 33 13-0507 EA 3/4" Rigid Galvanized Steel (RGS) Locknuts .....	2.73	1.31
For Work In Restricted Working Space, Add	0.79	
For Elevated Installation >10' To 15', Add	0.26	
For Elevated Installation >15' To 20', Add	0.53	
For Elevated Installation >20' To 25', Add	0.66	
For Elevated Installation >25' To 30', Add	0.92	
For Elevated Installation >30' To 35', Add	1.05	
For Elevated Installation >35' To 40', Add	1.32	
For Elevated Installation >40', Add	1.45	
26 05 33 13-0508 EA 1" Rigid Galvanized Steel (RGS) Locknuts .....	4.55	2.20
For Work In Restricted Working Space, Add	1.31	
For Elevated Installation >10' To 15', Add	0.44	
For Elevated Installation >15' To 20', Add	0.88	
For Elevated Installation >20' To 25', Add	1.10	
For Elevated Installation >25' To 30', Add	1.53	
For Elevated Installation >30' To 35', Add	1.75	
For Elevated Installation >35' To 40', Add	2.19	
For Elevated Installation >40', Add	2.41	
26 05 33 13-0509 EA 1-1/4" Rigid Galvanized Steel (RGS) Locknuts .....	6.41	3.07
For Work In Restricted Working Space, Add	1.84	
For Elevated Installation >10' To 15', Add	0.61	
For Elevated Installation >15' To 20', Add	1.23	
For Elevated Installation >20' To 25', Add	1.54	
For Elevated Installation >25' To 30', Add	2.15	
For Elevated Installation >30' To 35', Add	2.46	
For Elevated Installation >35' To 40', Add	3.07	
For Elevated Installation >40', Add	3.38	
26 05 33 13-0510 EA 1-1/2" Rigid Galvanized Steel (RGS) Locknuts .....	7.37	3.51
For Work In Restricted Working Space, Add	2.11	
For Elevated Installation >10' To 15', Add	0.70	
For Elevated Installation >15' To 20', Add	1.40	
For Elevated Installation >20' To 25', Add	1.76	
For Elevated Installation >25' To 30', Add	2.46	
For Elevated Installation >30' To 35', Add	2.81	
For Elevated Installation >35' To 40', Add	3.51	
For Elevated Installation >40', Add	3.86	
26 05 33 13-0511 EA 2" Rigid Galvanized Steel (RGS) Locknuts .....	8.33	3.95
For Work In Restricted Working Space, Add	2.37	
For Elevated Installation >10' To 15', Add	0.79	
For Elevated Installation >15' To 20', Add	1.58	
For Elevated Installation >20' To 25', Add	1.98	
For Elevated Installation >25' To 30', Add	2.77	
For Elevated Installation >30' To 35', Add	3.16	
For Elevated Installation >35' To 40', Add	3.95	
For Elevated Installation >40', Add	4.35	
26 05 33 13-0512 EA 2-1/2" Rigid Galvanized Steel (RGS) Locknuts .....	11.67	5.27
For Work In Restricted Working Space, Add	3.16	
For Elevated Installation >10' To 15', Add	1.05	
For Elevated Installation >15' To 20', Add	2.10	
For Elevated Installation >20' To 25', Add	2.63	
For Elevated Installation >25' To 30', Add	3.68	
For Elevated Installation >30' To 35', Add	4.21	
For Elevated Installation >35' To 40', Add	5.26	
For Elevated Installation >40', Add	5.79	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0513 EA 3" Rigid Galvanized Steel (RGS) Locknuts.....	14.43	6.58
<i>For Work In Restricted Working Space, Add</i>	3.95	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.32	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.63	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.29	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.61	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.26	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.58	
<i>For Elevated Installation &gt;40', Add</i>	7.24	
26 05 33 13-0514 EA 3-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	17.03	7.45
<i>For Work In Restricted Working Space, Add</i>	4.48	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.98	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.73	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.22	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.97	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.46	
<i>For Elevated Installation &gt;40', Add</i>	8.21	
26 05 33 13-0515 EA 4" Rigid Galvanized Steel (RGS) Locknuts.....	19.10	8.34
<i>For Work In Restricted Working Space, Add</i>	5.00	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.67	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.33	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.17	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.83	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.67	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.34	
<i>For Elevated Installation &gt;40', Add</i>	9.17	
<b>26 05 33 13-0516 Rigid Galvanized Steel (RGS) Grounding Locknuts</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0517 EA 1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	2.81	0.87
<i>For Work In Restricted Working Space, Add</i>	0.53	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.18	
<i>For Elevated Installation &gt;15' To 20', Add</i>	0.35	
<i>For Elevated Installation &gt;20' To 25', Add</i>	0.44	
<i>For Elevated Installation &gt;25' To 30', Add</i>	0.62	
<i>For Elevated Installation &gt;30' To 35', Add</i>	0.70	
<i>For Elevated Installation &gt;35' To 40', Add</i>	0.88	
<i>For Elevated Installation &gt;40', Add</i>	0.97	
26 05 33 13-0518 EA 3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	3.89	1.31
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.26	
<i>For Elevated Installation &gt;15' To 20', Add</i>	0.53	
<i>For Elevated Installation &gt;20' To 25', Add</i>	0.66	
<i>For Elevated Installation &gt;25' To 30', Add</i>	0.92	
<i>For Elevated Installation &gt;30' To 35', Add</i>	1.05	
<i>For Elevated Installation &gt;35' To 40', Add</i>	1.32	
<i>For Elevated Installation &gt;40', Add</i>	1.45	
26 05 33 13-0519 EA 1" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	6.18	2.20
<i>For Work In Restricted Working Space, Add</i>	1.31	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.44	
<i>For Elevated Installation &gt;15' To 20', Add</i>	0.88	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.10	
<i>For Elevated Installation &gt;25' To 30', Add</i>	1.53	
<i>For Elevated Installation &gt;30' To 35', Add</i>	1.75	
<i>For Elevated Installation &gt;35' To 40', Add</i>	2.19	
<i>For Elevated Installation &gt;40', Add</i>	2.41	
26 05 33 13-0520 EA 1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	8.65	3.07
<i>For Work In Restricted Working Space, Add</i>	1.84	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.61	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.23	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.54	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.15	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.46	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.07	
<i>For Elevated Installation &gt;40', Add</i>	3.38	
26 05 33 13-0521 EA 1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	9.77	3.51
<i>For Work In Restricted Working Space, Add</i>	2.11	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.70	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.40	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.76	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.46	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.81	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.51	
<i>For Elevated Installation &gt;40', Add</i>	3.86	
26 05 33 13-0522 EA 2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	11.48	3.95
<i>For Work In Restricted Working Space, Add</i>	2.37	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.79	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.58	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.98	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.77	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.16	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.95	
<i>For Elevated Installation &gt;40', Add</i>	4.35	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0523 EA 2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	17.18	5.27
For Work In Restricted Working Space, Add	3.16	
For Elevated Installation >10' To 15', Add	1.05	
For Elevated Installation >15' To 20', Add	2.10	
For Elevated Installation >20' To 25', Add	2.63	
For Elevated Installation >25' To 30', Add	3.68	
For Elevated Installation >30' To 35', Add	4.21	
For Elevated Installation >35' To 40', Add	5.26	
For Elevated Installation >40', Add	5.79	
26 05 33 13-0524 EA 3" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	21.62	6.58
For Work In Restricted Working Space, Add	3.95	
For Elevated Installation >10' To 15', Add	1.32	
For Elevated Installation >15' To 20', Add	2.63	
For Elevated Installation >20' To 25', Add	3.29	
For Elevated Installation >25' To 30', Add	4.61	
For Elevated Installation >30' To 35', Add	5.26	
For Elevated Installation >35' To 40', Add	6.58	
For Elevated Installation >40', Add	7.24	
26 05 33 13-0525 EA 3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	28.65	7.45
For Work In Restricted Working Space, Add	4.48	
For Elevated Installation >10' To 15', Add	1.49	
For Elevated Installation >15' To 20', Add	2.98	
For Elevated Installation >20' To 25', Add	3.73	
For Elevated Installation >25' To 30', Add	5.22	
For Elevated Installation >30' To 35', Add	5.97	
For Elevated Installation >35' To 40', Add	7.46	
For Elevated Installation >40', Add	8.21	
26 05 33 13-0526 EA 4" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	34.37	8.34
For Work In Restricted Working Space, Add	5.00	
For Elevated Installation >10' To 15', Add	1.67	
For Elevated Installation >15' To 20', Add	3.33	
For Elevated Installation >20' To 25', Add	4.17	
For Elevated Installation >25' To 30', Add	5.83	
For Elevated Installation >30' To 35', Add	6.67	
For Elevated Installation >35' To 40', Add	8.34	
For Elevated Installation >40', Add	9.17	
<b>26 05 33 13-0527 Rigid Galvanized Steel (RGS) Insulated Ground Bushing (26 05 33 13-0059)</b>		
26 05 33 13-0528 EA 1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	7.90	2.63
For Work In Restricted Working Space, Add	1.58	
For Elevated Installation >10' To 15', Add	0.53	
For Elevated Installation >15' To 20', Add	1.05	
For Elevated Installation >20' To 25', Add	1.32	
For Elevated Installation >25' To 30', Add	1.84	
For Elevated Installation >30' To 35', Add	2.11	
For Elevated Installation >35' To 40', Add	2.64	
For Elevated Installation >40', Add	2.90	
26 05 33 13-0529 EA 3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	9.87	3.51
For Work In Restricted Working Space, Add	2.11	
For Elevated Installation >10' To 15', Add	0.70	
For Elevated Installation >15' To 20', Add	1.40	
For Elevated Installation >20' To 25', Add	1.76	
For Elevated Installation >25' To 30', Add	2.46	
For Elevated Installation >30' To 35', Add	2.81	
For Elevated Installation >35' To 40', Add	3.51	
For Elevated Installation >40', Add	3.86	
26 05 33 13-0530 EA 1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	12.61	4.38
For Work In Restricted Working Space, Add	2.63	
For Elevated Installation >10' To 15', Add	0.88	
For Elevated Installation >15' To 20', Add	1.75	
For Elevated Installation >20' To 25', Add	2.19	
For Elevated Installation >25' To 30', Add	3.07	
For Elevated Installation >30' To 35', Add	3.51	
For Elevated Installation >35' To 40', Add	4.39	
For Elevated Installation >40', Add	4.82	
26 05 33 13-0531 EA 1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	18.32	7.02
For Work In Restricted Working Space, Add	4.21	
For Elevated Installation >10' To 15', Add	1.40	
For Elevated Installation >15' To 20', Add	2.81	
For Elevated Installation >20' To 25', Add	3.51	
For Elevated Installation >25' To 30', Add	4.91	
For Elevated Installation >30' To 35', Add	5.61	
For Elevated Installation >35' To 40', Add	7.02	
For Elevated Installation >40', Add	7.72	
26 05 33 13-0532 EA 1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	20.64	7.90
For Work In Restricted Working Space, Add	4.74	
For Elevated Installation >10' To 15', Add	1.58	
For Elevated Installation >15' To 20', Add	3.16	
For Elevated Installation >20' To 25', Add	3.95	
For Elevated Installation >25' To 30', Add	5.53	
For Elevated Installation >30' To 35', Add	6.32	
For Elevated Installation >35' To 40', Add	7.90	
For Elevated Installation >40', Add	8.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0533 EA 2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	23.50	8.77
<i>For Work In Restricted Working Space, Add</i>	5.27	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.76	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.51	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.39	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.14	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.02	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.78	
<i>For Elevated Installation &gt;40', Add</i>	9.65	
26 05 33 13-0534 EA 2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	32.56	10.52
<i>For Work In Restricted Working Space, Add</i>	6.32	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.11	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.21	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.27	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.37	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.42	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.53	
<i>For Elevated Installation &gt;40', Add</i>	11.58	
26 05 33 13-0535 EA 3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	39.48	13.16
<i>For Work In Restricted Working Space, Add</i>	7.89	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.63	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.26	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.58	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.21	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.52	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.16	
<i>For Elevated Installation &gt;40', Add</i>	14.47	
26 05 33 13-0536 EA 3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	48.69	17.55
<i>For Work In Restricted Working Space, Add</i>	10.53	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.51	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.02	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.77	
<i>For Elevated Installation &gt;25' To 30', Add</i>	12.28	
<i>For Elevated Installation &gt;30' To 35', Add</i>	14.04	
<i>For Elevated Installation &gt;35' To 40', Add</i>	17.55	
<i>For Elevated Installation &gt;40', Add</i>	19.30	
26 05 33 13-0537 EA 4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	59.24	21.93
<i>For Work In Restricted Working Space, Add</i>	13.16	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.39	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.77	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.97	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.54	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.93	
<i>For Elevated Installation &gt;40', Add</i>	24.12	
<b>26 05 33 13-0538 Rigid Galvanized Steel (RGS) Threadless Compression Connectors</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0539 EA 1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	19.63	7.90
<i>For Work In Restricted Working Space, Add</i>	4.74	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.58	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.16	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.95	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.53	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.32	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.90	
<i>For Elevated Installation &gt;40', Add</i>	8.68	
26 05 33 13-0540 EA 3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	23.73	8.77
<i>For Work In Restricted Working Space, Add</i>	5.27	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.76	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.51	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.39	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.14	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.02	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.78	
<i>For Elevated Installation &gt;40', Add</i>	9.65	
26 05 33 13-0541 EA 1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	31.58	10.97
<i>For Work In Restricted Working Space, Add</i>	6.58	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.19	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.39	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.48	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.77	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.97	
<i>For Elevated Installation &gt;40', Add</i>	12.06	
26 05 33 13-0542 EA 1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	44.47	13.16
<i>For Work In Restricted Working Space, Add</i>	7.89	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.63	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.26	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.58	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.21	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.52	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.16	
<i>For Elevated Installation &gt;40', Add</i>	14.47	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0543	EA	1-1/2"	Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	60.25	17.55
			<i>For Work In Restricted Working Space, Add</i>	10.53	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.51	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.02	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.77	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.28	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.55	
			<i>For Elevated Installation &gt;40', Add</i>	19.30	
26 05 33 13-0544	EA	2"	Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	92.13	21.93
			<i>For Work In Restricted Working Space, Add</i>	13.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.97	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.54	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.93	
			<i>For Elevated Installation &gt;40', Add</i>	24.12	
26 05 33 13-0545	EA	2-1/2"	Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	163.98	26.31
			<i>For Work In Restricted Working Space, Add</i>	15.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.26	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.42	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.32	
			<i>For Elevated Installation &gt;40', Add</i>	28.95	
26 05 33 13-0546	EA	3"	Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	209.03	30.71
			<i>For Work In Restricted Working Space, Add</i>	18.42	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.14	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.35	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.49	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.56	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.71	
			<i>For Elevated Installation &gt;40', Add</i>	33.78	
26 05 33 13-0547	EA	3-1/2"	Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	267.47	37.29
			<i>For Work In Restricted Working Space, Add</i>	22.37	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.46	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.91	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	18.64	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	26.10	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	29.83	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	37.29	
			<i>For Elevated Installation &gt;40', Add</i>	41.01	
26 05 33 13-0548	EA	4"	Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	323.89	43.86
			<i>For Work In Restricted Working Space, Add</i>	26.32	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.77	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.93	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	30.71	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	35.09	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	43.87	
			<i>For Elevated Installation &gt;40', Add</i>	48.25	
26 05 33 13-0549			<b>Rigid Galvanized Steel (RGS) Compression Coupling</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0550	EA	1/2"	Rigid Galvanized Steel (RGS) Compression Coupling .....	28.12	10.97
			<i>For Work In Restricted Working Space, Add</i>	6.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.97	
			<i>For Elevated Installation &gt;40', Add</i>	12.06	
26 05 33 13-0551	EA	3/4"	Rigid Galvanized Steel (RGS) Compression Coupling .....	36.24	13.16
			<i>For Work In Restricted Working Space, Add</i>	7.89	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.63	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.26	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.52	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.16	
			<i>For Elevated Installation &gt;40', Add</i>	14.47	
26 05 33 13-0552	EA	1"	Rigid Galvanized Steel (RGS) Compression Coupling .....	52.41	17.55
			<i>For Work In Restricted Working Space, Add</i>	10.53	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.51	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.02	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.77	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.28	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.55	
			<i>For Elevated Installation &gt;40', Add</i>	19.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0553 EA 1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling.....	69.50	21.93
<i>For Work In Restricted Working Space, Add</i>	13.16	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.39	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.77	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.97	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.54	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.93	
<i>For Elevated Installation &gt;40', Add</i>	24.12	
26 05 33 13-0554 EA 1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling.....	86.02	26.31
<i>For Work In Restricted Working Space, Add</i>	15.79	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.26	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.53	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.16	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.42	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.06	
<i>For Elevated Installation &gt;35' To 40', Add</i>	26.32	
<i>For Elevated Installation &gt;40', Add</i>	28.95	
26 05 33 13-0555 EA 2" Rigid Galvanized Steel (RGS) Compression Coupling.....	134.40	30.71
<i>For Work In Restricted Working Space, Add</i>	18.42	
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.14	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.28	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.35	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.49	
<i>For Elevated Installation &gt;30' To 35', Add</i>	24.56	
<i>For Elevated Installation &gt;35' To 40', Add</i>	30.71	
<i>For Elevated Installation &gt;40', Add</i>	33.78	
26 05 33 13-0556 EA 2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling.....	223.94	35.09
<i>For Work In Restricted Working Space, Add</i>	21.05	
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.02	
<i>For Elevated Installation &gt;15' To 20', Add</i>	14.04	
<i>For Elevated Installation &gt;20' To 25', Add</i>	17.55	
<i>For Elevated Installation &gt;25' To 30', Add</i>	24.56	
<i>For Elevated Installation &gt;30' To 35', Add</i>	28.07	
<i>For Elevated Installation &gt;35' To 40', Add</i>	35.09	
<i>For Elevated Installation &gt;40', Add</i>	38.60	
26 05 33 13-0557 EA 3" Rigid Galvanized Steel (RGS) Compression Coupling.....	264.24	30.27
<i>For Work In Restricted Working Space, Add</i>	18.16	
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.05	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.11	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.13	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.19	
<i>For Elevated Installation &gt;30' To 35', Add</i>	24.21	
<i>For Elevated Installation &gt;35' To 40', Add</i>	30.27	
<i>For Elevated Installation &gt;40', Add</i>	33.29	
26 05 33 13-0558 EA 3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling.....	360.28	46.06
<i>For Work In Restricted Working Space, Add</i>	27.64	
<i>For Elevated Installation &gt;10' To 15', Add</i>	9.21	
<i>For Elevated Installation &gt;15' To 20', Add</i>	18.42	
<i>For Elevated Installation &gt;20' To 25', Add</i>	23.03	
<i>For Elevated Installation &gt;25' To 30', Add</i>	32.24	
<i>For Elevated Installation &gt;30' To 35', Add</i>	36.85	
<i>For Elevated Installation &gt;35' To 40', Add</i>	46.06	
<i>For Elevated Installation &gt;40', Add</i>	50.67	
26 05 33 13-0559 EA 4" Rigid Galvanized Steel (RGS) Compression Coupling.....	448.41	52.64
<i>For Work In Restricted Working Space, Add</i>	31.58	
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.53	
<i>For Elevated Installation &gt;15' To 20', Add</i>	21.06	
<i>For Elevated Installation &gt;20' To 25', Add</i>	26.32	
<i>For Elevated Installation &gt;25' To 30', Add</i>	36.85	
<i>For Elevated Installation &gt;30' To 35', Add</i>	42.11	
<i>For Elevated Installation &gt;35' To 40', Add</i>	52.64	
<i>For Elevated Installation &gt;40', Add</i>	57.90	
<b>26 05 33 13-0560 Zinc Plated Steel Snap-in Knock Out Seal</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0561 EA 1/2" Zinc Plated Steel Snap-in Knock Out Seal.....	4.60	2.20
<i>For Work In Restricted Working Space, Add</i>	1.31	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.44	
<i>For Elevated Installation &gt;15' To 20', Add</i>	0.88	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.10	
<i>For Elevated Installation &gt;25' To 30', Add</i>	1.53	
<i>For Elevated Installation &gt;30' To 35', Add</i>	1.75	
<i>For Elevated Installation &gt;35' To 40', Add</i>	2.19	
<i>For Elevated Installation &gt;40', Add</i>	2.41	
26 05 33 13-0562 EA 3/4" Zinc Plated Steel Snap-in Knock Out Seal.....	5.56	2.63
<i>For Work In Restricted Working Space, Add</i>	1.58	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.53	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.05	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.32	
<i>For Elevated Installation &gt;25' To 30', Add</i>	1.84	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.11	
<i>For Elevated Installation &gt;35' To 40', Add</i>	2.64	
<i>For Elevated Installation &gt;40', Add</i>	2.90	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0563	EA	1" Zinc Plated Steel Snap-in Knock Out Seal .....	6.60	3.07
			<i>For Work In Restricted Working Space, Add</i>	1.84	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.23	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.54	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.15	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.46	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.07	
			<i>For Elevated Installation &gt;40', Add</i>	3.38	
26 05 33	13-0564	EA	1-1/4" Zinc Plated Steel Snap-in Knock Out Seal .....	8.51	3.95
			<i>For Work In Restricted Working Space, Add</i>	2.37	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.79	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.58	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.98	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.16	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.95	
			<i>For Elevated Installation &gt;40', Add</i>	4.35	
26 05 33	13-0565	EA	1-1/2" Zinc Plated Steel Snap-in Knock Out Seal .....	9.62	4.38
			<i>For Work In Restricted Working Space, Add</i>	2.63	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.88	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.75	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.07	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.51	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.39	
			<i>For Elevated Installation &gt;40', Add</i>	4.82	
26 05 33	13-0566	EA	2" Zinc Plated Steel Snap-in Knock Out Seal .....	11.71	5.27
			<i>For Work In Restricted Working Space, Add</i>	3.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.05	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.10	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.63	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.21	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.26	
			<i>For Elevated Installation &gt;40', Add</i>	5.79	
<b>26 05 33</b>	<b>13-0567</b>		<b>Zinc Plated Steel 3-Piece Knock Out Seal</b> <small>(26 05 33 13-0059)</small>		
26 05 33	13-0568	EA	1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....	5.71	2.20
			<i>For Work In Restricted Working Space, Add</i>	1.31	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.44	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	0.88	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.10	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.53	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	1.75	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.19	
			<i>For Elevated Installation &gt;40', Add</i>	2.41	
26 05 33	13-0569	EA	3/4" Zinc Plated Steel 3-Piece Knock Out Seal .....	6.82	2.63
			<i>For Work In Restricted Working Space, Add</i>	1.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.05	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.32	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.11	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.64	
			<i>For Elevated Installation &gt;40', Add</i>	2.90	
26 05 33	13-0570	EA	1" Zinc Plated Steel 3-Piece Knock Out Seal .....	8.28	3.07
			<i>For Work In Restricted Working Space, Add</i>	1.84	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.23	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.54	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.15	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.46	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.07	
			<i>For Elevated Installation &gt;40', Add</i>	3.38	
26 05 33	13-0571	EA	1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal .....	10.65	3.95
			<i>For Work In Restricted Working Space, Add</i>	2.37	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.79	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.58	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.98	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.16	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.95	
			<i>For Elevated Installation &gt;40', Add</i>	4.35	
26 05 33	13-0572	EA	1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....	13.17	4.38
			<i>For Work In Restricted Working Space, Add</i>	2.63	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.88	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.75	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.07	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.51	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.39	
			<i>For Elevated Installation &gt;40', Add</i>	4.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0573 EA 2" Zinc Plated Steel 3-Piece Knock Out Seal .....	15.93	5.27
For Work In Restricted Working Space, Add	3.16	
For Elevated Installation >10' To 15', Add	1.05	
For Elevated Installation >15' To 20', Add	2.10	
For Elevated Installation >20' To 25', Add	2.63	
For Elevated Installation >25' To 30', Add	3.68	
For Elevated Installation >30' To 35', Add	4.21	
For Elevated Installation >35' To 40', Add	5.26	
For Elevated Installation >40', Add	5.79	
26 05 33 13-0574 EA 2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....	19.53	6.58
For Work In Restricted Working Space, Add	3.95	
For Elevated Installation >10' To 15', Add	1.32	
For Elevated Installation >15' To 20', Add	2.63	
For Elevated Installation >20' To 25', Add	3.29	
For Elevated Installation >25' To 30', Add	4.61	
For Elevated Installation >30' To 35', Add	5.26	
For Elevated Installation >35' To 40', Add	6.58	
For Elevated Installation >40', Add	7.24	
26 05 33 13-0575 EA 3" Zinc Plated Steel 3-Piece Knock Out Seal .....	22.87	7.45
For Work In Restricted Working Space, Add	4.48	
For Elevated Installation >10' To 15', Add	1.49	
For Elevated Installation >15' To 20', Add	2.98	
For Elevated Installation >20' To 25', Add	3.73	
For Elevated Installation >25' To 30', Add	5.22	
For Elevated Installation >30' To 35', Add	5.97	
For Elevated Installation >35' To 40', Add	7.46	
For Elevated Installation >40', Add	8.21	
26 05 33 13-0576 EA 3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....	27.87	8.34
For Work In Restricted Working Space, Add	5.00	
For Elevated Installation >10' To 15', Add	1.67	
For Elevated Installation >15' To 20', Add	3.33	
For Elevated Installation >20' To 25', Add	4.17	
For Elevated Installation >25' To 30', Add	5.83	
For Elevated Installation >30' To 35', Add	6.67	
For Elevated Installation >35' To 40', Add	8.34	
For Elevated Installation >40', Add	9.17	
26 05 33 13-0577 EA 4" Zinc Plated Steel 3-Piece Knock Out Seal .....	32.79	9.21
For Work In Restricted Working Space, Add	5.53	
For Elevated Installation >10' To 15', Add	1.84	
For Elevated Installation >15' To 20', Add	3.68	
For Elevated Installation >20' To 25', Add	4.61	
For Elevated Installation >25' To 30', Add	6.45	
For Elevated Installation >30' To 35', Add	7.37	
For Elevated Installation >35' To 40', Add	9.21	
For Elevated Installation >40', Add	10.13	
<b>26 05 33 13-0578 Rigid Galvanized Steel (RGS) Chase Nipples (26 05 33 13-0059)</b>		
26 05 33 13-0579 EA 1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	10.86	5.27
For Work In Restricted Working Space, Add	3.16	
For Elevated Installation >10' To 15', Add	1.05	
For Elevated Installation >15' To 20', Add	2.10	
For Elevated Installation >20' To 25', Add	2.63	
For Elevated Installation >25' To 30', Add	3.68	
For Elevated Installation >30' To 35', Add	4.21	
For Elevated Installation >35' To 40', Add	5.26	
For Elevated Installation >40', Add	5.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-0580 EA 3/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	12.85	6.14
For Work In Restricted Working Space, Add	3.68	
For Elevated Installation >10' To 15', Add	1.23	
For Elevated Installation >15' To 20', Add	2.46	
For Elevated Installation >20' To 25', Add	3.07	
For Elevated Installation >25' To 30', Add	4.30	
For Elevated Installation >30' To 35', Add	4.91	
For Elevated Installation >35' To 40', Add	6.14	
For Elevated Installation >40', Add	6.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.68	
26 05 33 13-0581 EA 1" Rigid Galvanized Steel (RGS) Chase Nipple.....	16.17	7.45
For Work In Restricted Working Space, Add	4.48	
For Elevated Installation >10' To 15', Add	1.49	
For Elevated Installation >15' To 20', Add	2.98	
For Elevated Installation >20' To 25', Add	3.73	
For Elevated Installation >25' To 30', Add	5.22	
For Elevated Installation >30' To 35', Add	5.97	
For Elevated Installation >35' To 40', Add	7.46	
For Elevated Installation >40', Add	8.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.48	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0582	EA	1-1/4"	Rigid Galvanized Steel (RGS) Chase Nipple.....	19.71	8.77
			<i>For Work In Restricted Working Space, Add</i>	5.27	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.76	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.51	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.39	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.14	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.02	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.78	
			<i>For Elevated Installation &gt;40', Add</i>	9.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 05 33 13-0583	EA	1-1/2"	Rigid Galvanized Steel (RGS) Chase Nipple.....	24.71	10.97
			<i>For Work In Restricted Working Space, Add</i>	6.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.97	
			<i>For Elevated Installation &gt;40', Add</i>	12.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-0584	EA	2"	Rigid Galvanized Steel (RGS) Chase Nipple.....	30.82	13.16
			<i>For Work In Restricted Working Space, Add</i>	7.89	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.63	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.26	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.52	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.16	
			<i>For Elevated Installation &gt;40', Add</i>	14.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.89	
26 05 33 13-0585	EA	2-1/2"	Rigid Galvanized Steel (RGS) Chase Nipple.....	39.29	15.35
			<i>For Work In Restricted Working Space, Add</i>	9.21	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.07	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.14	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.75	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.28	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.36	
			<i>For Elevated Installation &gt;40', Add</i>	16.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.21	
26 05 33 13-0586	EA	3"	Rigid Galvanized Steel (RGS) Chase Nipple.....	43.89	17.55
			<i>For Work In Restricted Working Space, Add</i>	10.53	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.51	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.02	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.77	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.28	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.55	
			<i>For Elevated Installation &gt;40', Add</i>	19.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.53	
26 05 33 13-0587	EA	3-1/2"	Rigid Galvanized Steel (RGS) Chase Nipple.....	55.04	19.74
			<i>For Work In Restricted Working Space, Add</i>	11.84	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.82	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.79	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.74	
			<i>For Elevated Installation &gt;40', Add</i>	21.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.84	
26 05 33 13-0588	EA	4"	Rigid Galvanized Steel (RGS) Chase Nipple.....	76.46	21.93
			<i>For Work In Restricted Working Space, Add</i>	13.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.97	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.54	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.93	
			<i>For Elevated Installation &gt;40', Add</i>	24.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.16	
26 05 33 13-0589			<b>Rigid Galvanized Steel (RGS) Pulling Elbow</b> (26 05 33 13-0059)		
26 05 33 13-0590	EA	1/2"	Rigid Galvanized Steel (RGS) Pulling Elbow.....	21.70	7.90
			<i>For Work In Restricted Working Space, Add</i>	4.74	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.58	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.95	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.53	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.90	
			<i>For Elevated Installation &gt;40', Add</i>	8.68	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0591 EA 3/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	25.21	9.21
<i>For Work In Restricted Working Space, Add</i>	5.53	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.84	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.68	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.61	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.45	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.37	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.21	
<i>For Elevated Installation &gt;40', Add</i>	10.13	
26 05 33 13-0592 EA 1" Rigid Galvanized Steel (RGS) Pulling Elbow.....	32.33	10.52
<i>For Work In Restricted Working Space, Add</i>	6.32	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.11	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.21	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.27	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.37	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.42	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.53	
<i>For Elevated Installation &gt;40', Add</i>	11.58	
26 05 33 13-0593 EA 1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	41.49	13.16
<i>For Work In Restricted Working Space, Add</i>	7.89	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.63	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.26	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.58	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.21	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.52	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.16	
<i>For Elevated Installation &gt;40', Add</i>	14.47	
26 05 33 13-0594 EA 1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	55.67	15.79
<i>For Work In Restricted Working Space, Add</i>	9.47	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.16	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.32	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.90	
<i>For Elevated Installation &gt;25' To 30', Add</i>	11.05	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.63	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.79	
<i>For Elevated Installation &gt;40', Add</i>	17.37	
26 05 33 13-0595 EA 2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	74.98	18.42
<i>For Work In Restricted Working Space, Add</i>	11.06	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.69	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.37	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.21	
<i>For Elevated Installation &gt;25' To 30', Add</i>	12.90	
<i>For Elevated Installation &gt;30' To 35', Add</i>	14.74	
<i>For Elevated Installation &gt;35' To 40', Add</i>	18.43	
<i>For Elevated Installation &gt;40', Add</i>	20.27	
26 05 33 13-0596 EA 2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	105.07	21.06
<i>For Work In Restricted Working Space, Add</i>	12.64	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.21	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.42	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.53	
<i>For Elevated Installation &gt;25' To 30', Add</i>	14.74	
<i>For Elevated Installation &gt;30' To 35', Add</i>	16.85	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.06	
<i>For Elevated Installation &gt;40', Add</i>	23.17	
26 05 33 13-0597 EA 3" Rigid Galvanized Steel (RGS) Pulling Elbow.....	186.00	26.31
<i>For Work In Restricted Working Space, Add</i>	15.79	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.26	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.53	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.16	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.42	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.06	
<i>For Elevated Installation &gt;35' To 40', Add</i>	26.32	
<i>For Elevated Installation &gt;40', Add</i>	28.95	
<b>26 05 33 13-0598 Electrical Metallic Tubing (EMT) Thinwall Conduit</b> <small>(26 05 33 13-0058)</small>		
<i>Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.</i>		
<b>26 05 33 13-0599 Electrical Metallic Tubing (EMT) Thinwall Conduit</b> <small>(26 05 33 13-0598)</small>		
<i>Note: Includes field bending conduit up to and including 1".</i>		
26 05 33 13-0600 LF 1/2" Electrical Metallic Tubing (EMT) Conduit.....	4.83	1.58
<i>For &gt;250 To 500, Deduct</i>	-0.04	
<i>For &gt;500 To 1,000, Deduct</i>	-0.26	
<i>For &gt;1,000, Deduct</i>	-0.38	
<i>For Installation In Metal Stud Wall, Add</i>	0.40	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.99	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.59	
<i>For Work In Restricted Working Space, Add</i>	1.19	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.40	
<i>For Elevated Installation &gt;15' To 20', Add</i>	0.79	
<i>For Elevated Installation &gt;20' To 25', Add</i>	0.99	
<i>For Elevated Installation &gt;25' To 30', Add</i>	1.38	
<i>For Elevated Installation &gt;30' To 35', Add</i>	1.58	
<i>For Elevated Installation &gt;35' To 40', Add</i>	1.98	
<i>For Elevated Installation &gt;40', Add</i>	2.17	
<i>For Factory Applied Color Coating, Add</i>	0.26	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0601	LF		3/4" Electrical Metallic Tubing (EMT) Conduit.....	5.75	1.76
			For >250 To 500, Deduct	-0.07	
			For >500 To 1,000, Deduct	-0.32	
			For >1,000, Deduct	-0.47	
			For Installation In Metal Stud Wall, Add	0.44	
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.10	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.66	
			For Work In Restricted Working Space, Add	1.31	
			For Elevated Installation >10' To 15', Add	0.44	
			For Elevated Installation >15' To 20', Add	0.88	
			For Elevated Installation >20' To 25', Add	1.10	
			For Elevated Installation >25' To 30', Add	1.53	
			For Elevated Installation >30' To 35', Add	1.75	
			For Elevated Installation >35' To 40', Add	2.19	
			For Elevated Installation >40', Add	2.41	
			For Factory Applied Color Coating, Add	0.41	
26 05 33 13-0602	LF		1" Electrical Metallic Tubing (EMT) Conduit.....	7.11	1.93
			For >250 To 500, Deduct	-0.11	
			For >500 To 1,000, Deduct	-0.41	
			For >1,000, Deduct	-0.59	
			For Installation In Metal Stud Wall, Add	0.48	
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.21	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.72	
			For Work In Restricted Working Space, Add	1.45	
			For Elevated Installation >10' To 15', Add	0.48	
			For Elevated Installation >15' To 20', Add	0.97	
			For Elevated Installation >20' To 25', Add	1.21	
			For Elevated Installation >25' To 30', Add	1.69	
			For Elevated Installation >30' To 35', Add	1.93	
			For Elevated Installation >35' To 40', Add	2.42	
			For Elevated Installation >40', Add	2.66	
			For Factory Applied Color Coating, Add	0.68	
26 05 33 13-0603	LF		1-1/4" Electrical Metallic Tubing (EMT) Conduit.....	9.04	2.18
			For >250 To 500, Deduct	-0.18	
			For >500 To 1,000, Deduct	-0.54	
			For >1,000, Deduct	-0.77	
			For Installation In Metal Stud Wall, Add	0.54	
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.36	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.82	
			For Work In Restricted Working Space, Add	1.63	
			For Elevated Installation >10' To 15', Add	0.54	
			For Elevated Installation >15' To 20', Add	1.09	
			For Elevated Installation >20' To 25', Add	1.36	
			For Elevated Installation >25' To 30', Add	1.90	
			For Elevated Installation >30' To 35', Add	2.18	
			For Elevated Installation >35' To 40', Add	2.72	
			For Elevated Installation >40', Add	2.99	
			For Factory Applied Color Coating, Add	1.08	
26 05 33 13-0604	LF		1-1/2" Electrical Metallic Tubing (EMT) Conduit.....	10.62	2.46
			For >250 To 500, Deduct	-0.22	
			For >500 To 1,000, Deduct	-0.64	
			For >1,000, Deduct	-0.91	
			For Installation In Metal Stud Wall, Add	0.61	
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.54	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.92	
			For Work In Restricted Working Space, Add	1.84	
			For Elevated Installation >10' To 15', Add	0.61	
			For Elevated Installation >15' To 20', Add	1.23	
			For Elevated Installation >20' To 25', Add	1.54	
			For Elevated Installation >25' To 30', Add	2.15	
			For Elevated Installation >30' To 35', Add	2.46	
			For Elevated Installation >35' To 40', Add	3.07	
			For Elevated Installation >40', Add	3.38	
			For Factory Applied Color Coating, Add	1.34	
26 05 33 13-0605	LF		2" Electrical Metallic Tubing (EMT) Conduit.....	12.34	2.81
			For >250 To 500, Deduct	-0.27	
			For >500 To 1,000, Deduct	-0.75	
			For >1,000, Deduct	-1.06	
			For Installation In Metal Stud Wall, Add	0.70	
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.76	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.05	
			For Work In Restricted Working Space, Add	2.11	
			For Elevated Installation >10' To 15', Add	0.70	
			For Elevated Installation >15' To 20', Add	1.40	
			For Elevated Installation >20' To 25', Add	1.76	
			For Elevated Installation >25' To 30', Add	2.46	
			For Elevated Installation >30' To 35', Add	2.81	
			For Elevated Installation >35' To 40', Add	3.51	
			For Elevated Installation >40', Add	3.86	
			For Factory Applied Color Coating, Add	1.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0606 LF 2-1/2" Electrical Metallic Tubing (EMT) Conduit .....	16.22	3.33
For >250 To 500, Deduct	-0.39	
For >500 To 1,000, Deduct	-1.01	
For >1,000, Deduct	-1.41	
For Installation In Metal Stud Wall, Add	0.83	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.09	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.25	
For Work In Restricted Working Space, Add	2.50	
For Elevated Installation >10' To 15', Add	0.83	
For Elevated Installation >15' To 20', Add	1.67	
For Elevated Installation >20' To 25', Add	2.09	
For Elevated Installation >25' To 30', Add	2.92	
For Elevated Installation >30' To 35', Add	3.34	
For Elevated Installation >35' To 40', Add	4.17	
For Elevated Installation >40', Add	4.59	
For Factory Applied Color Coating, Add	2.36	
26 05 33 13-0607 LF 3" Electrical Metallic Tubing (EMT) Conduit.....	19.51	3.86
For >250 To 500, Deduct	-0.49	
For >500 To 1,000, Deduct	-1.22	
For >1,000, Deduct	-1.71	
For Installation In Metal Stud Wall, Add	0.97	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.41	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.45	
For Work In Restricted Working Space, Add	2.90	
For Elevated Installation >10' To 15', Add	0.97	
For Elevated Installation >15' To 20', Add	1.93	
For Elevated Installation >20' To 25', Add	2.41	
For Elevated Installation >25' To 30', Add	3.38	
For Elevated Installation >30' To 35', Add	3.86	
For Elevated Installation >35' To 40', Add	4.83	
For Elevated Installation >40', Add	5.31	
For Factory Applied Color Coating, Add	2.96	
26 05 33 13-0608 LF 3-1/2" Electrical Metallic Tubing (EMT) Conduit .....	24.59	4.56
For >250 To 500, Deduct	-0.66	
For >500 To 1,000, Deduct	-1.56	
For >1,000, Deduct	-2.17	
For Installation In Metal Stud Wall, Add	1.14	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.85	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.71	
For Work In Restricted Working Space, Add	3.42	
For Elevated Installation >10' To 15', Add	1.14	
For Elevated Installation >15' To 20', Add	2.28	
For Elevated Installation >20' To 25', Add	2.85	
For Elevated Installation >25' To 30', Add	3.99	
For Elevated Installation >30' To 35', Add	4.56	
For Elevated Installation >35' To 40', Add	5.71	
For Elevated Installation >40', Add	6.28	
For Factory Applied Color Coating, Add	3.95	
26 05 33 13-0609 LF 4" Electrical Metallic Tubing (EMT) Conduit.....	32.90	7.22
For >250 To 500, Deduct	-0.74	
For >500 To 1,000, Deduct	-2.02	
For >1,000, Deduct	-2.84	
For Installation In Metal Stud Wall, Add	1.81	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.51	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.71	
For Work In Restricted Working Space, Add	5.42	
For Elevated Installation >10' To 15', Add	1.81	
For Elevated Installation >15' To 20', Add	3.61	
For Elevated Installation >20' To 25', Add	4.51	
For Elevated Installation >25' To 30', Add	6.32	
For Elevated Installation >30' To 35', Add	7.22	
For Elevated Installation >35' To 40', Add	9.03	
For Elevated Installation >40', Add	9.93	
For Factory Applied Color Coating, Add	4.46	
26 05 33 13-0610 Electrical Metallic Tubing (EMT) 90 Degree Elbows <small>(26 05 33 13-0598)</small>		
See CSI section 26 05 33 13-2248 for conduit field bending.		
26 05 33 13-0611 Electrical Metallic Tubing (EMT) Set Screw Couplings <small>(26 05 33 13-0598)</small>		
26 05 33 13-0612 EA 1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	4.62	2.11
For Work In Restricted Working Space, Add	1.31	
For Elevated Installation >10' To 15', Add	0.44	
For Elevated Installation >15' To 20', Add	0.88	
For Elevated Installation >20' To 25', Add	1.10	
For Elevated Installation >25' To 30', Add	1.53	
For Elevated Installation >30' To 35', Add	1.75	
For Elevated Installation >35' To 40', Add	2.19	
For Elevated Installation >40', Add	2.41	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0613	EA		3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	5.63	2.11
			<i>For Work In Restricted Working Space, Add</i>	1.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.05	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.32	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.11	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.64	
			<i>For Elevated Installation &gt;40', Add</i>	2.90	
26 05 33 13-0614	EA		1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	6.69	2.46
			<i>For Work In Restricted Working Space, Add</i>	1.84	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.23	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.54	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.15	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.46	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.07	
			<i>For Elevated Installation &gt;40', Add</i>	3.38	
26 05 33 13-0615	EA		1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	9.10	3.16
			<i>For Work In Restricted Working Space, Add</i>	2.37	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.79	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.58	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.98	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.16	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.95	
			<i>For Elevated Installation &gt;40', Add</i>	4.35	
26 05 33 13-0616	EA		1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	11.23	3.86
			<i>For Work In Restricted Working Space, Add</i>	2.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.97	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.93	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.83	
			<i>For Elevated Installation &gt;40', Add</i>	5.31	
26 05 33 13-0617	EA		2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	15.27	5.27
			<i>For Work In Restricted Working Space, Add</i>	3.95	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.32	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.61	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.26	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.58	
			<i>For Elevated Installation &gt;40', Add</i>	7.24	
26 05 33 13-0618	EA		2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	21.24	7.02
			<i>For Work In Restricted Working Space, Add</i>	5.27	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.76	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.51	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.39	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.14	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.02	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.78	
			<i>For Elevated Installation &gt;40', Add</i>	9.65	
26 05 33 13-0619	EA		3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	27.66	8.08
			<i>For Work In Restricted Working Space, Add</i>	6.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.97	
			<i>For Elevated Installation &gt;40', Add</i>	12.06	
26 05 33 13-0620	EA		3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	30.85	8.77
			<i>For Work In Restricted Working Space, Add</i>	7.89	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.63	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.26	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.52	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.16	
			<i>For Elevated Installation &gt;40', Add</i>	14.47	
26 05 33 13-0621	EA		4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	92.84	26.18
			<i>For Work In Restricted Working Space, Add</i>	25.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.66	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	42.38	
			<i>For Elevated Installation &gt;40', Add</i>	46.61	

26 05 33 13-0622 Electrical Metallic Tubing (EMT) Compression Couplings (26 05 33 13-0598)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0623 EA 1/2 Electrical Metallic Tubing (EMT) Compression Coupling.....	5.88	2.11
<i>For Work In Restricted Working Space, Add</i>	1.58	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.53	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.05	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.32	
<i>For Elevated Installation &gt;25' To 30', Add</i>	1.84	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.11	
<i>For Elevated Installation &gt;35' To 40', Add</i>	2.64	
<i>For Elevated Installation &gt;40', Add</i>	2.90	
26 05 33 13-0624 EA 3/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	6.81	2.46
<i>For Work In Restricted Working Space, Add</i>	1.84	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.61	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.23	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.54	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.15	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.46	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.07	
<i>For Elevated Installation &gt;40', Add</i>	3.38	
26 05 33 13-0625 EA 1" Electrical Metallic Tubing (EMT) Compression Coupling.....	9.70	3.51
<i>For Work In Restricted Working Space, Add</i>	2.63	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.88	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.75	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.19	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.07	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.51	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.39	
<i>For Elevated Installation &gt;40', Add</i>	4.82	
26 05 33 13-0626 EA 1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	12.46	4.21
<i>For Work In Restricted Working Space, Add</i>	3.16	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.05	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.10	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.63	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.21	
<i>For Elevated Installation &gt;35' To 40', Add</i>	5.26	
<i>For Elevated Installation &gt;40', Add</i>	5.79	
26 05 33 13-0627 EA 1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	15.01	4.92
<i>For Work In Restricted Working Space, Add</i>	3.68	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.23	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.46	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.07	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.30	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.91	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.14	
<i>For Elevated Installation &gt;40', Add</i>	6.75	
26 05 33 13-0628 EA 2" Electrical Metallic Tubing (EMT) Compression Coupling.....	20.08	6.32
<i>For Work In Restricted Working Space, Add</i>	4.74	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.58	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.16	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.95	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.53	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.32	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.90	
<i>For Elevated Installation &gt;40', Add</i>	8.68	
26 05 33 13-0629 EA 2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	32.26	8.43
<i>For Work In Restricted Working Space, Add</i>	6.32	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.11	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.21	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.27	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.37	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.42	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.53	
<i>For Elevated Installation &gt;40', Add</i>	11.58	
26 05 33 13-0630 EA 3" Electrical Metallic Tubing (EMT) Compression Coupling.....	37.31	9.82
<i>For Work In Restricted Working Space, Add</i>	7.37	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.46	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.91	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.14	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.60	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.83	
<i>For Elevated Installation &gt;35' To 40', Add</i>	12.29	
<i>For Elevated Installation &gt;40', Add</i>	13.51	
26 05 33 13-0631 EA 3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	46.64	12.28
<i>For Work In Restricted Working Space, Add</i>	9.21	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.07	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.14	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.75	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.28	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.36	
<i>For Elevated Installation &gt;40', Add</i>	16.89	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0632	EA 4" Electrical Metallic Tubing (EMT) Compression Coupling.....	59.80	15.79
	<i>For Work In Restricted Working Space, Add</i>	11.84	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.95	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	7.90	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	9.87	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	13.82	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	15.79	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	19.74	
	<i>For Elevated Installation &gt;40', Add</i>	21.71	
<b>26 05 33 13-0633</b>	<b>Electrical Metallic Tubing (EMT) Raintight Compression Couplings</b> <small>(26 05 33 13-0598)</small>	<b>6.75</b>	<b>2.11</b>
26 05 33 13-0634	EA 1/2 Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	6.75	2.11
	<i>For Work In Restricted Working Space, Add</i>	1.58	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	0.53	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	1.05	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	1.32	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	1.84	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	2.11	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	2.64	
	<i>For Elevated Installation &gt;40', Add</i>	2.90	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.58	
26 05 33 13-0635	EA 3/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	7.76	2.46
	<i>For Work In Restricted Working Space, Add</i>	1.84	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	0.61	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	1.23	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	1.54	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	2.15	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	2.46	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	3.07	
	<i>For Elevated Installation &gt;40', Add</i>	3.38	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.84	
26 05 33 13-0636	EA 1" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	11.52	3.51
	<i>For Work In Restricted Working Space, Add</i>	2.63	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	0.88	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	1.76	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.20	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	3.07	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	3.51	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	4.39	
	<i>For Elevated Installation &gt;40', Add</i>	4.83	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.63	
26 05 33 13-0637	EA 1-1/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	14.66	4.21
	<i>For Work In Restricted Working Space, Add</i>	3.16	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.05	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.10	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.63	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	3.68	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	4.21	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	5.26	
	<i>For Elevated Installation &gt;40', Add</i>	5.79	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.16	
26 05 33 13-0638	EA 1-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	18.92	4.92
	<i>For Work In Restricted Working Space, Add</i>	3.68	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.23	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.46	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	3.07	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	4.30	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	4.91	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	6.14	
	<i>For Elevated Installation &gt;40', Add</i>	6.75	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.68	
26 05 33 13-0639	EA 2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	23.08	5.97
	<i>For Work In Restricted Working Space, Add</i>	4.48	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.98	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	3.73	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	5.22	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	5.97	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	7.46	
	<i>For Elevated Installation &gt;40', Add</i>	8.21	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 05 33 13-0640	EA 2-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	31.02	8.08
	<i>For Work In Restricted Working Space, Add</i>	6.05	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.02	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	4.03	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	5.04	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	7.06	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	8.07	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	10.09	
	<i>For Elevated Installation &gt;40', Add</i>	11.09	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0641 EA 3" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	39.31	9.82
<i>For Work In Restricted Working Space, Add</i>	7.37	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.46	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.91	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.14	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.60	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.83	
<i>For Elevated Installation &gt;35' To 40', Add</i>	12.29	
<i>For Elevated Installation &gt;40', Add</i>	13.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.37	
26 05 33 13-0642 EA 3-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	52.04	12.28
<i>For Work In Restricted Working Space, Add</i>	9.21	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.07	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.14	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.75	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.28	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.36	
<i>For Elevated Installation &gt;40', Add</i>	16.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.21	
26 05 33 13-0643 EA 4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	63.32	15.79
<i>For Work In Restricted Working Space, Add</i>	11.84	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.95	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.90	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.87	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.82	
<i>For Elevated Installation &gt;30' To 35', Add</i>	15.79	
<i>For Elevated Installation &gt;35' To 40', Add</i>	19.74	
<i>For Elevated Installation &gt;40', Add</i>	21.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.84	
<b>26 05 33 13-0644 Electrical Metallic Tubing (EMT) Insulated Bushing <small>(26 05 33 13-0598)</small></b>		
26 05 33 13-0645 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	5.96	2.37
<i>For Work In Restricted Working Space, Add</i>	1.76	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.59	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.18	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.47	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.06	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.35	
<i>For Elevated Installation &gt;35' To 40', Add</i>	2.94	
<i>For Elevated Installation &gt;40', Add</i>	3.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.76	
26 05 33 13-0646 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Bushing.....	6.53	2.55
<i>For Work In Restricted Working Space, Add</i>	1.92	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.64	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.28	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.60	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.24	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.56	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.20	
<i>For Elevated Installation &gt;40', Add</i>	3.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.92	
26 05 33 13-0647 EA 1" Electrical Metallic Tubing (EMT) Insulated Bushing.....	8.21	3.16
<i>For Work In Restricted Working Space, Add</i>	2.34	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.78	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.56	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.95	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.73	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.12	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.90	
<i>For Elevated Installation &gt;40', Add</i>	4.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.34	
26 05 33 13-0648 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Bushing .....	10.50	4.03
<i>For Work In Restricted Working Space, Add</i>	3.00	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.00	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.00	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.50	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.50	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.00	
<i>For Elevated Installation &gt;35' To 40', Add</i>	5.00	
<i>For Elevated Installation &gt;40', Add</i>	5.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.00	
26 05 33 13-0649 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing .....	12.47	4.64
<i>For Work In Restricted Working Space, Add</i>	3.50	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.17	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.33	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.92	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.08	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.67	
<i>For Elevated Installation &gt;35' To 40', Add</i>	5.84	
<i>For Elevated Installation &gt;40', Add</i>	6.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0650	EA		2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	15.36	5.62
			<i>For Work In Restricted Working Space, Add</i>	4.21	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.81	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.51	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.91	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.61	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.02	
			<i>For Elevated Installation &gt;40', Add</i>	7.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.21	
26 05 33 13-0651	EA		2-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	22.35	7.80
			<i>For Work In Restricted Working Space, Add</i>	5.84	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.89	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.81	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.79	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.74	
			<i>For Elevated Installation &gt;40', Add</i>	10.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.84	
26 05 33 13-0652	EA		3" Electrical Metallic Tubing (EMT) Insulated Bushing.....	29.63	10.35
			<i>For Work In Restricted Working Space, Add</i>	7.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.60	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.19	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.49	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.09	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.99	
			<i>For Elevated Installation &gt;40', Add</i>	14.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.79	
26 05 33 13-0653	EA		3-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	37.94	13.33
			<i>For Work In Restricted Working Space, Add</i>	10.03	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.34	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.36	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.70	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.37	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.72	
			<i>For Elevated Installation &gt;40', Add</i>	18.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.03	
26 05 33 13-0654	EA		4" Electrical Metallic Tubing (EMT) Insulated Bushing.....	48.89	17.55
			<i>For Work In Restricted Working Space, Add</i>	13.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.97	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.54	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.93	
			<i>For Elevated Installation &gt;40', Add</i>	24.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.16	
26 05 33 13-0655			<b>Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw<sup>(26)</sup></b>		
			<small>(05 33 13-0598)</small>		
26 05 33 13-0656	EA		1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	4.58	1.76
			<i>For Work In Restricted Working Space, Add</i>	1.31	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.44	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	0.88	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.10	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.53	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	1.75	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.19	
			<i>For Elevated Installation &gt;40', Add</i>	2.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.31	
26 05 33 13-0657	EA		3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	5.58	2.11
			<i>For Work In Restricted Working Space, Add</i>	1.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.05	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.32	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.11	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.64	
			<i>For Elevated Installation &gt;40', Add</i>	2.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.58	
26 05 33 13-0658	EA		1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	6.69	2.46
			<i>For Work In Restricted Working Space, Add</i>	1.84	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.23	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.54	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.15	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.46	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.07	
			<i>For Elevated Installation &gt;40', Add</i>	3.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.84	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0659 EA 1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw .....9.78	9.78	3.51
<i>For Work In Restricted Working Space, Add</i>	2.63	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.88	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.75	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.19	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.07	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.51	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.39	
<i>For Elevated Installation &gt;40', Add</i>	4.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.63	
26 05 33 13-0660 EA 1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw .....11.99	11.99	4.21
<i>For Work In Restricted Working Space, Add</i>	3.16	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.05	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.10	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.63	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.21	
<i>For Elevated Installation &gt;35' To 40', Add</i>	5.26	
<i>For Elevated Installation &gt;40', Add</i>	5.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.16	
26 05 33 13-0661 EA 2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw .....15.33	15.33	5.27
<i>For Work In Restricted Working Space, Add</i>	3.95	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.32	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.63	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.29	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.61	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.26	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.58	
<i>For Elevated Installation &gt;40', Add</i>	7.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 05 33 13-0662 EA 2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw .....23.60	23.60	7.02
<i>For Work In Restricted Working Space, Add</i>	5.27	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.76	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.51	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.39	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.14	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.02	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.78	
<i>For Elevated Installation &gt;40', Add</i>	9.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 05 33 13-0663 EA 3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw .....29.33	29.33	8.77
<i>For Work In Restricted Working Space, Add</i>	6.58	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.19	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.39	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.48	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.77	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.97	
<i>For Elevated Installation &gt;40', Add</i>	12.06	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-0664 EA 3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw .....34.63	34.63	10.52
<i>For Work In Restricted Working Space, Add</i>	7.89	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.63	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.26	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.58	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.21	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.52	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.16	
<i>For Elevated Installation &gt;40', Add</i>	14.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.89	
26 05 33 13-0665 EA 4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw .....40.34	40.34	12.28
<i>For Work In Restricted Working Space, Add</i>	9.21	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.07	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.14	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.75	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.28	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.36	
<i>For Elevated Installation &gt;40', Add</i>	16.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.21	
<b>26 05 33 13-0666 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw</b>		
<small>(26 05 33 13-0698)</small>		
26 05 33 13-0667 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....6.20	6.20	2.37
<i>For Work In Restricted Working Space, Add</i>	1.76	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.59	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.18	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.47	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.06	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.35	
<i>For Elevated Installation &gt;35' To 40', Add</i>	2.94	
<i>For Elevated Installation &gt;40', Add</i>	3.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.76	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0668	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	6.92	2.55
			<i>For Work In Restricted Working Space, Add</i>	1.92	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.64	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.24	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.56	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.20	
			<i>For Elevated Installation &gt;40', Add</i>	3.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.92	
26 05 33	13-0669	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	8.72	3.16
			<i>For Work In Restricted Working Space, Add</i>	2.34	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.78	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.56	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.95	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.73	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.90	
			<i>For Elevated Installation &gt;40', Add</i>	4.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.34	
26 05 33	13-0670	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	11.53	4.03
			<i>For Work In Restricted Working Space, Add</i>	3.00	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.00	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.00	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.50	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.00	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.00	
			<i>For Elevated Installation &gt;40', Add</i>	5.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.00	
26 05 33	13-0671	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	13.71	4.64
			<i>For Work In Restricted Working Space, Add</i>	3.50	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.17	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.33	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.92	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.08	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.67	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.84	
			<i>For Elevated Installation &gt;40', Add</i>	6.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33	13-0672	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	16.83	5.62
			<i>For Work In Restricted Working Space, Add</i>	4.21	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.81	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.51	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.91	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.61	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.02	
			<i>For Elevated Installation &gt;40', Add</i>	7.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.21	
26 05 33	13-0673	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	28.64	7.80
			<i>For Work In Restricted Working Space, Add</i>	5.84	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.89	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.81	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.79	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.74	
			<i>For Elevated Installation &gt;40', Add</i>	10.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.84	
26 05 33	13-0674	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	36.93	10.35
			<i>For Work In Restricted Working Space, Add</i>	7.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.60	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.19	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.49	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.09	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.99	
			<i>For Elevated Installation &gt;40', Add</i>	14.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.79	
26 05 33	13-0675	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	47.14	13.33
			<i>For Work In Restricted Working Space, Add</i>	10.03	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.34	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.36	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.70	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.37	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.72	
			<i>For Elevated Installation &gt;40', Add</i>	18.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0676 EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	58.94	17.55
<i>For Work In Restricted Working Space, Add</i>	13.16	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.39	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.77	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.97	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.54	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.93	
<i>For Elevated Installation &gt;40', Add</i>	24.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.16	
<b>26 05 33 13-0677 Electrical Metallic Tubing (EMT) Straight Box Compression Connectors <small>(26 05 33 13-0598)</small></b>		
26 05 33 13-0678 EA 1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	5.59	2.11
<i>For Work In Restricted Working Space, Add</i>	1.58	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.53	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.05	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.32	
<i>For Elevated Installation &gt;25' To 30', Add</i>	1.84	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.11	
<i>For Elevated Installation &gt;35' To 40', Add</i>	2.64	
<i>For Elevated Installation &gt;40', Add</i>	2.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.58	
26 05 33 13-0679 EA 3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	6.62	2.46
<i>For Work In Restricted Working Space, Add</i>	1.84	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.61	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.23	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.54	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.15	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.46	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.07	
<i>For Elevated Installation &gt;40', Add</i>	3.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.84	
26 05 33 13-0680 EA 1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	9.45	3.51
<i>For Work In Restricted Working Space, Add</i>	2.63	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.88	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.75	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.19	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.07	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.51	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.39	
<i>For Elevated Installation &gt;40', Add</i>	4.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.63	
26 05 33 13-0681 EA 1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	11.80	4.21
<i>For Work In Restricted Working Space, Add</i>	3.16	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.05	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.10	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.63	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.21	
<i>For Elevated Installation &gt;35' To 40', Add</i>	5.26	
<i>For Elevated Installation &gt;40', Add</i>	5.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.16	
26 05 33 13-0682 EA 1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	14.08	4.92
<i>For Work In Restricted Working Space, Add</i>	3.68	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.23	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.46	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.07	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.30	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.91	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.14	
<i>For Elevated Installation &gt;40', Add</i>	6.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.68	
26 05 33 13-0683 EA 2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	18.39	6.32
<i>For Work In Restricted Working Space, Add</i>	4.74	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.58	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.16	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.95	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.53	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.32	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.90	
<i>For Elevated Installation &gt;40', Add</i>	8.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.74	
26 05 33 13-0684 EA 2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	28.90	8.43
<i>For Work In Restricted Working Space, Add</i>	6.32	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.11	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.21	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.27	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.37	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.42	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.53	
<i>For Elevated Installation &gt;40', Add</i>	11.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0685	EA		3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	36.56	10.52
			<i>For Work In Restricted Working Space, Add</i>	7.89	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.63	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.26	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.52	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.16	
			<i>For Elevated Installation &gt;40', Add</i>	14.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.89	
26 05 33 13-0686	EA		3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	46.51	12.28
			<i>For Work In Restricted Working Space, Add</i>	9.21	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.07	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.14	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.75	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.28	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.36	
			<i>For Elevated Installation &gt;40', Add</i>	16.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.21	
26 05 33 13-0687	EA		4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	52.22	14.03
			<i>For Work In Restricted Working Space, Add</i>	10.53	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.51	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.02	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.77	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.28	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.55	
			<i>For Elevated Installation &gt;40', Add</i>	19.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.53	
<b>26 05 33 13-0688 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors</b> <small>(26 05 33 13-0598)</small>					
26 05 33 13-0689	EA		1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....	6.42	2.37
			<i>For Work In Restricted Working Space, Add</i>	1.76	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.59	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.18	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.47	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.06	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.35	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.94	
			<i>For Elevated Installation &gt;40', Add</i>	3.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.76	
26 05 33 13-0690	EA		3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....	7.14	2.55
			<i>For Work In Restricted Working Space, Add</i>	1.92	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.64	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.24	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.56	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.20	
			<i>For Elevated Installation &gt;40', Add</i>	3.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.92	
26 05 33 13-0691	EA		1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....	8.91	3.16
			<i>For Work In Restricted Working Space, Add</i>	2.34	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.78	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.56	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.95	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.73	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.90	
			<i>For Elevated Installation &gt;40', Add</i>	4.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.34	
26 05 33 13-0692	EA		1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....	12.07	4.03
			<i>For Work In Restricted Working Space, Add</i>	3.00	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.00	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.00	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.50	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.00	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.00	
			<i>For Elevated Installation &gt;40', Add</i>	5.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.00	
26 05 33 13-0693	EA		1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....	14.60	4.64
			<i>For Work In Restricted Working Space, Add</i>	3.50	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.17	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.33	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.92	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.08	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.67	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.84	
			<i>For Elevated Installation &gt;40', Add</i>	6.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0694 EA 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	18.13	5.62
<i>For Work In Restricted Working Space, Add</i>	4.21	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.40	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.81	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.51	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.91	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.61	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.02	
<i>For Elevated Installation &gt;40', Add</i>	7.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.21	
26 05 33 13-0695 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....	33.36	7.80
<i>For Work In Restricted Working Space, Add</i>	5.84	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.95	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.89	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.87	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.81	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.79	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.74	
<i>For Elevated Installation &gt;40', Add</i>	10.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.84	
26 05 33 13-0696 EA 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	44.87	10.35
<i>For Work In Restricted Working Space, Add</i>	7.79	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.60	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.19	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.49	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.09	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.39	
<i>For Elevated Installation &gt;35' To 40', Add</i>	12.99	
<i>For Elevated Installation &gt;40', Add</i>	14.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.79	
26 05 33 13-0697 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....	61.06	13.33
<i>For Work In Restricted Working Space, Add</i>	10.03	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.34	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.69	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.36	
<i>For Elevated Installation &gt;25' To 30', Add</i>	11.70	
<i>For Elevated Installation &gt;30' To 35', Add</i>	13.37	
<i>For Elevated Installation &gt;35' To 40', Add</i>	16.72	
<i>For Elevated Installation &gt;40', Add</i>	18.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.03	
26 05 33 13-0698 EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	76.17	17.55
<i>For Work In Restricted Working Space, Add</i>	13.16	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.39	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.77	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.97	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.54	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.93	
<i>For Elevated Installation &gt;40', Add</i>	24.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.16	
<b>26 05 33 13-0699 Electrical Metallic Tubing (EMT) Expansion Coupling (26 05 33 13-0598)</b>		
Note: Excludes jumper.		
26 05 33 13-0700 EA 1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	51.11	11.67
<i>For Work In Restricted Working Space, Add</i>	8.76	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.92	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.84	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.30	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.22	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.68	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.60	
<i>For Elevated Installation &gt;40', Add</i>	16.05	
26 05 33 13-0701 EA 3/4" Electrical Metallic Tubing (EMT) Expansion Coupling .....	61.53	14.13
<i>For Work In Restricted Working Space, Add</i>	10.62	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.54	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.08	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.85	
<i>For Elevated Installation &gt;25' To 30', Add</i>	12.39	
<i>For Elevated Installation &gt;30' To 35', Add</i>	14.16	
<i>For Elevated Installation &gt;35' To 40', Add</i>	17.70	
<i>For Elevated Installation &gt;40', Add</i>	19.46	
26 05 33 13-0702 EA 1" Electrical Metallic Tubing (EMT) Expansion Coupling .....	75.45	17.72
<i>For Work In Restricted Working Space, Add</i>	13.27	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.42	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.85	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.06	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.48	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.70	
<i>For Elevated Installation &gt;35' To 40', Add</i>	22.12	
<i>For Elevated Installation &gt;40', Add</i>	24.33	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0703 EA 1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling .....	98.14	21.76
For Work In Restricted Working Space, Add	16.33	
For Elevated Installation >10' To 15', Add	5.44	
For Elevated Installation >15' To 20', Add	10.88	
For Elevated Installation >20' To 25', Add	13.61	
For Elevated Installation >25' To 30', Add	19.05	
For Elevated Installation >30' To 35', Add	21.77	
For Elevated Installation >35' To 40', Add	27.21	
For Elevated Installation >40', Add	29.93	
26 05 33 13-0704 EA 1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	122.74	25.53
For Work In Restricted Working Space, Add	19.15	
For Elevated Installation >10' To 15', Add	6.38	
For Elevated Installation >15' To 20', Add	12.76	
For Elevated Installation >20' To 25', Add	15.96	
For Elevated Installation >25' To 30', Add	22.34	
For Elevated Installation >30' To 35', Add	25.53	
For Elevated Installation >35' To 40', Add	31.91	
For Elevated Installation >40', Add	35.10	
26 05 33 13-0705 EA 2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	154.35	31.06
For Work In Restricted Working Space, Add	23.32	
For Elevated Installation >10' To 15', Add	7.77	
For Elevated Installation >15' To 20', Add	15.54	
For Elevated Installation >20' To 25', Add	19.43	
For Elevated Installation >25' To 30', Add	27.20	
For Elevated Installation >30' To 35', Add	31.09	
For Elevated Installation >35' To 40', Add	38.86	
For Elevated Installation >40', Add	42.75	
26 05 33 13-0706 EA 2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	304.92	39.92
For Work In Restricted Working Space, Add	29.95	
For Elevated Installation >10' To 15', Add	9.98	
For Elevated Installation >15' To 20', Add	19.96	
For Elevated Installation >20' To 25', Add	24.96	
For Elevated Installation >25' To 30', Add	34.94	
For Elevated Installation >30' To 35', Add	39.93	
For Elevated Installation >35' To 40', Add	49.91	
For Elevated Installation >40', Add	54.90	
26 05 33 13-0707 EA 3" Electrical Metallic Tubing (EMT) Expansion Coupling .....	374.08	46.67
For Work In Restricted Working Space, Add	35.01	
For Elevated Installation >10' To 15', Add	11.67	
For Elevated Installation >15' To 20', Add	23.34	
For Elevated Installation >20' To 25', Add	29.18	
For Elevated Installation >25' To 30', Add	40.85	
For Elevated Installation >30' To 35', Add	46.68	
For Elevated Installation >35' To 40', Add	58.36	
For Elevated Installation >40', Add	64.19	
26 05 33 13-0708 EA 3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	462.85	50.88
For Work In Restricted Working Space, Add	38.18	
For Elevated Installation >10' To 15', Add	12.73	
For Elevated Installation >15' To 20', Add	25.45	
For Elevated Installation >20' To 25', Add	31.81	
For Elevated Installation >25' To 30', Add	44.54	
For Elevated Installation >30' To 35', Add	50.90	
For Elevated Installation >35' To 40', Add	63.63	
For Elevated Installation >40', Add	69.99	
26 05 33 13-0709 EA 4" Electrical Metallic Tubing (EMT) Expansion Coupling .....	500.39	56.15
For Work In Restricted Working Space, Add	42.12	
For Elevated Installation >10' To 15', Add	14.04	
For Elevated Installation >15' To 20', Add	28.08	
For Elevated Installation >20' To 25', Add	35.10	
For Elevated Installation >25' To 30', Add	49.14	
For Elevated Installation >30' To 35', Add	56.16	
For Elevated Installation >35' To 40', Add	70.21	
For Elevated Installation >40', Add	77.23	
<b>26 05 33 13-0710 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters</b>		
(26 05 33 13-0598)		
26 05 33 13-0711 EA 1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter .....	9.11	3.16
For Work In Restricted Working Space, Add	2.34	
For Elevated Installation >10' To 15', Add	0.78	
For Elevated Installation >15' To 20', Add	1.56	
For Elevated Installation >20' To 25', Add	1.95	
For Elevated Installation >25' To 30', Add	2.73	
For Elevated Installation >30' To 35', Add	3.12	
For Elevated Installation >35' To 40', Add	3.90	
For Elevated Installation >40', Add	4.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.34	
26 05 33 13-0712 EA 1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter .....	9.83	3.16
For Work In Restricted Working Space, Add	2.34	
For Elevated Installation >10' To 15', Add	0.78	
For Elevated Installation >15' To 20', Add	1.56	
For Elevated Installation >20' To 25', Add	1.95	
For Elevated Installation >25' To 30', Add	2.73	
For Elevated Installation >30' To 35', Add	3.12	
For Elevated Installation >35' To 40', Add	3.90	
For Elevated Installation >40', Add	4.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0713 EA 3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	11.00	3.42
<i>For Work In Restricted Working Space, Add</i>	2.60	
<i>For Elevated Installation &gt;15' To 15', Add</i>	0.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.73	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.17	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.03	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.46	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.33	
<i>For Elevated Installation &gt;40', Add</i>	4.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.60	
26 05 33 13-0714 EA 1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	12.85	3.95
<i>For Work In Restricted Working Space, Add</i>	2.96	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.97	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.46	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.45	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.94	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.93	
<i>For Elevated Installation &gt;40', Add</i>	5.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.96	
26 05 33 13-0715 EA 1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter .....	18.71	4.74
<i>For Work In Restricted Working Space, Add</i>	3.57	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.19	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.38	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.98	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.17	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.76	
<i>For Elevated Installation &gt;35' To 40', Add</i>	5.96	
<i>For Elevated Installation &gt;40', Add</i>	6.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.57	
26 05 33 13-0716 EA 1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter .....	23.08	5.44
<i>For Work In Restricted Working Space, Add</i>	4.08	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.36	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.40	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.76	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.44	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.81	
<i>For Elevated Installation &gt;40', Add</i>	7.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.08	
26 05 33 13-0717 EA 2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	30.21	6.84
<i>For Work In Restricted Working Space, Add</i>	5.10	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.70	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.40	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.25	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.95	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.80	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.51	
<i>For Elevated Installation &gt;40', Add</i>	9.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.10	
<b>26 05 33 13-0718 Electrical Metallic Tubing (EMT) Pulling Elbows</b> <small>(26 05 33 13-0598)</small>		
26 05 33 13-0719 EA 1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws .....	19.22	7.90
<i>For Work In Restricted Working Space, Add</i>	4.74	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.74	
26 05 33 13-0720 EA 3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws .....	22.41	9.21
<i>For Work In Restricted Working Space, Add</i>	5.53	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.53	
26 05 33 13-0721 EA 1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws .....	28.18	10.52
<i>For Work In Restricted Working Space, Add</i>	6.32	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33 13-0722 EA 1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws .....	36.10	13.16
<i>For Work In Restricted Working Space, Add</i>	7.89	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.89	
<b>26 05 33 13-0723 Intermediate Metal Conduit (IMC)</b> <small>(26 05 33 13-0058)</small>		
<i>Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.</i>		
<b>26 05 33 13-0724 Intermediate Metal Conduit (IMC) Conduit</b> <small>(26 05 33 13-0723)</small>		
<i>Note: Includes field bending conduit up to 1".</i>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0725	LF		1/2" Intermediate Metal Conduit (IMC) Conduit .....	6.85	1.76
			For >250 To 500, Deduct	-0.11	
			For >500 To 1,000, Deduct	-0.17	
			For >1,000, Deduct	-0.23	
			For Installation In Metal Stud Wall, Add	0.46	
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.14	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.68	
			For Work In Restricted Working Space, Add	1.37	
			For Elevated Installation >10' To 15', Add	0.46	
			For Elevated Installation >15' To 20', Add	0.91	
			For Elevated Installation >20' To 25', Add	1.14	
			For Elevated Installation >25' To 30', Add	1.60	
			For Elevated Installation >30' To 35', Add	1.82	
			For Elevated Installation >35' To 40', Add	2.28	
			For Elevated Installation >40', Add	2.51	
26 05 33 13-0726	LF		3/4" Intermediate Metal Conduit (IMC) Conduit .....	8.17	1.93
			For >250 To 500, Deduct	-0.14	
			For >500 To 1,000, Deduct	-0.20	
			For >1,000, Deduct	-0.27	
			For Installation In Metal Stud Wall, Add	0.54	
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.36	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.82	
			For Work In Restricted Working Space, Add	1.63	
			For Elevated Installation >10' To 15', Add	0.54	
			For Elevated Installation >15' To 20', Add	1.09	
			For Elevated Installation >20' To 25', Add	1.36	
			For Elevated Installation >25' To 30', Add	1.90	
			For Elevated Installation >30' To 35', Add	2.18	
			For Elevated Installation >35' To 40', Add	2.72	
			For Elevated Installation >40', Add	2.99	
26 05 33 13-0727	LF		1" Intermediate Metal Conduit (IMC) Conduit .....	11.05	2.11
			For >250 To 500, Deduct	-0.21	
			For >500 To 1,000, Deduct	-0.32	
			For >1,000, Deduct	-0.42	
			For Installation In Metal Stud Wall, Add	0.68	
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.71	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.03	
			For Work In Restricted Working Space, Add	2.05	
			For Elevated Installation >10' To 15', Add	0.68	
			For Elevated Installation >15' To 20', Add	1.37	
			For Elevated Installation >20' To 25', Add	1.71	
			For Elevated Installation >25' To 30', Add	2.39	
			For Elevated Installation >30' To 35', Add	2.74	
			For Elevated Installation >35' To 40', Add	3.42	
			For Elevated Installation >40', Add	3.76	
26 05 33 13-0728	LF		1-1/4" Intermediate Metal Conduit (IMC) Conduit .....	12.88	4.21
			For >250 To 500, Deduct	-0.27	
			For >500 To 1,000, Deduct	-0.40	
			For >1,000, Deduct	-0.53	
			For Installation In Metal Stud Wall, Add	0.75	
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.89	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.13	
			For Work In Restricted Working Space, Add	2.26	
			For Elevated Installation >10' To 15', Add	0.75	
			For Elevated Installation >15' To 20', Add	1.51	
			For Elevated Installation >20' To 25', Add	1.89	
			For Elevated Installation >25' To 30', Add	2.64	
			For Elevated Installation >30' To 35', Add	3.02	
			For Elevated Installation >35' To 40', Add	3.77	
			For Elevated Installation >40', Add	4.15	
26 05 33 13-0729	LF		1-1/2" Intermediate Metal Conduit (IMC) Conduit .....	14.55	2.81
			For >250 To 500, Deduct	-0.32	
			For >500 To 1,000, Deduct	-0.47	
			For >1,000, Deduct	-0.63	
			For Installation In Metal Stud Wall, Add	0.83	
			For Installation In Wood Stud Wall (Includes Drilling), Add	2.06	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.24	
			For Work In Restricted Working Space, Add	2.48	
			For Elevated Installation >10' To 15', Add	0.83	
			For Elevated Installation >15' To 20', Add	1.65	
			For Elevated Installation >20' To 25', Add	2.06	
			For Elevated Installation >25' To 30', Add	2.89	
			For Elevated Installation >30' To 35', Add	3.30	
			For Elevated Installation >35' To 40', Add	4.13	
			For Elevated Installation >40', Add	4.54	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0730    LF    2" Intermediate Metal Conduit (IMC) Conduit .....	18.55	3.16
For >250 To 500, Deduct	-0.43	
For >500 To 1,000, Deduct	-0.64	
For >1,000, Deduct	-0.86	
For Installation In Metal Stud Wall, Add	1.00	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.50	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.50	
For Work In Restricted Working Space, Add	3.00	
For Elevated Installation >10' To 15', Add	1.00	
For Elevated Installation >15' To 20', Add	2.00	
For Elevated Installation >20' To 25', Add	2.50	
For Elevated Installation >25' To 30', Add	3.50	
For Elevated Installation >30' To 35', Add	4.00	
For Elevated Installation >35' To 40', Add	5.00	
For Elevated Installation >40', Add	5.50	
26 05 33 13-0731    LF    2-1/2" Intermediate Metal Conduit (IMC) Conduit .....	32.18	4.21
For >250 To 500, Deduct	-0.95	
For >500 To 1,000, Deduct	-1.42	
For >1,000, Deduct	-1.89	
For Installation In Metal Stud Wall, Add	1.32	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.31	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.99	
For Work In Restricted Working Space, Add	3.97	
For Elevated Installation >10' To 15', Add	1.32	
For Elevated Installation >15' To 20', Add	2.65	
For Elevated Installation >20' To 25', Add	3.31	
For Elevated Installation >25' To 30', Add	4.63	
For Elevated Installation >30' To 35', Add	5.30	
For Elevated Installation >35' To 40', Add	6.62	
For Elevated Installation >40', Add	7.28	
26 05 33 13-0732    LF    3" Intermediate Metal Conduit (IMC) Conduit .....	40.87	5.27
For >250 To 500, Deduct	-1.17	
For >500 To 1,000, Deduct	-1.75	
For >1,000, Deduct	-2.33	
For Installation In Metal Stud Wall, Add	1.76	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.39	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.63	
For Work In Restricted Working Space, Add	5.27	
For Elevated Installation >10' To 15', Add	1.76	
For Elevated Installation >15' To 20', Add	3.51	
For Elevated Installation >20' To 25', Add	4.39	
For Elevated Installation >25' To 30', Add	6.14	
For Elevated Installation >30' To 35', Add	7.02	
For Elevated Installation >35' To 40', Add	8.78	
For Elevated Installation >40', Add	9.65	
26 05 33 13-0733    LF    3-1/2" Intermediate Metal Conduit (IMC) Conduit .....	47.10	6.32
For >250 To 500, Deduct	-1.35	
For >500 To 1,000, Deduct	-2.03	
For >1,000, Deduct	-2.70	
For Installation In Metal Stud Wall, Add	2.01	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.02	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.01	
For Work In Restricted Working Space, Add	6.03	
For Elevated Installation >10' To 15', Add	2.01	
For Elevated Installation >15' To 20', Add	4.02	
For Elevated Installation >20' To 25', Add	5.02	
For Elevated Installation >25' To 30', Add	7.03	
For Elevated Installation >30' To 35', Add	8.04	
For Elevated Installation >35' To 40', Add	10.05	
For Elevated Installation >40', Add	11.05	
26 05 33 13-0734    LF    4" Intermediate Metal Conduit (IMC) Conduit .....	55.22	7.37
For >250 To 500, Deduct	-1.59	
For >500 To 1,000, Deduct	-2.38	
For >1,000, Deduct	-3.18	
For Installation In Metal Stud Wall, Add	2.34	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.86	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.51	
For Work In Restricted Working Space, Add	7.03	
For Elevated Installation >10' To 15', Add	2.34	
For Elevated Installation >15' To 20', Add	4.69	
For Elevated Installation >20' To 25', Add	5.86	
For Elevated Installation >25' To 30', Add	8.20	
For Elevated Installation >30' To 35', Add	9.37	
For Elevated Installation >35' To 40', Add	11.72	
For Elevated Installation >40', Add	12.89	

26 05 33 13-0735    Intermediate Metal Conduit (IMC) 90 Degree Elbows (26 05 33 13-0723)  
 See CSI section 26 05 33 13-2248 for conduit field bending.

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0736	EA		1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	30.45	8.69
			<i>For Work In Restricted Working Space, Add</i>	6.53	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.18	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.36	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.45	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.71	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.89	
			<i>For Elevated Installation &gt;40', Add</i>	11.98	
26 05 33 13-0737	EA		3/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	36.82	10.79
			<i>For Work In Restricted Working Space, Add</i>	8.13	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.71	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.42	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.77	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.48	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.84	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.55	
			<i>For Elevated Installation &gt;40', Add</i>	14.90	
26 05 33 13-0738	EA		1" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	46.86	13.24
			<i>For Work In Restricted Working Space, Add</i>	9.91	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.30	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.61	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.26	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.56	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.21	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.52	
			<i>For Elevated Installation &gt;40', Add</i>	18.17	
26 05 33 13-0739	EA		1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	57.74	15.35
			<i>For Work In Restricted Working Space, Add</i>	11.51	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.84	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.59	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.42	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.18	
			<i>For Elevated Installation &gt;40', Add</i>	21.09	
26 05 33 13-0740	EA		1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	68.54	17.64
			<i>For Work In Restricted Working Space, Add</i>	13.21	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.01	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.41	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.61	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	22.01	
			<i>For Elevated Installation &gt;40', Add</i>	24.21	
26 05 33 13-0741	EA		2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	83.72	19.39
			<i>For Work In Restricted Working Space, Add</i>	14.53	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.84	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.68	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.11	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.95	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.37	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.21	
			<i>For Elevated Installation &gt;40', Add</i>	26.63	
26 05 33 13-0742	EA		2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	120.46	24.22
			<i>For Work In Restricted Working Space, Add</i>	18.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.05	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.19	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.21	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.27	
			<i>For Elevated Installation &gt;40', Add</i>	33.29	
26 05 33 13-0743	EA		3" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	174.20	32.99
			<i>For Work In Restricted Working Space, Add</i>	24.74	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.25	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.49	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.61	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	28.86	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	32.98	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	41.23	
			<i>For Elevated Installation &gt;40', Add</i>	45.35	
26 05 33 13-0744	EA		3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	254.98	37.20
			<i>For Work In Restricted Working Space, Add</i>	27.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.30	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	23.25	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	32.55	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	37.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	46.51	
			<i>For Elevated Installation &gt;40', Add</i>	51.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0745 EA 4" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	308.94	48.43
For Work In Restricted Working Space, Add	36.32	
For Elevated Installation >10' To 15', Add	12.11	
For Elevated Installation >15' To 20', Add	24.21	
For Elevated Installation >20' To 25', Add	30.26	
For Elevated Installation >25' To 30', Add	42.37	
For Elevated Installation >30' To 35', Add	48.42	
For Elevated Installation >35' To 40', Add	60.53	
For Elevated Installation >40', Add	66.58	
<b>26 05 33 13-0746 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut</b> (26 05 33 13-0723)		
26 05 33 13-0747 EA 1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	12.01	4.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.42	
26 05 33 13-0748 EA 3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	14.19	0.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 05 33 13-0749 EA 1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	18.38	6.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.00	
26 05 33 13-0750 EA 1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	22.45	8.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.05	
26 05 33 13-0751 EA 1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	25.18	8.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.58	
26 05 33 13-0752 EA 2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	32.56	10.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.16	
26 05 33 13-0753 EA 2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	60.58	17.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.16	
26 05 33 13-0754 EA 3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	74.51	23.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.90	
26 05 33 13-0755 EA 3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	97.93	28.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.32	
26 05 33 13-0756 EA 4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	115.68	32.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.74	
<b>26 05 33 13-0757 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings</b> (26 05 33 13-0723)		
Note: 3-Piece coupling.		
26 05 33 13-0758 EA 1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	39.78	14.03
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.78	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.05	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.54	
26 05 33 13-0759 EA 3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	45.20	15.70
For Work In Restricted Working Space, Add	11.76	
For Elevated Installation >10' To 15', Add	3.92	
For Elevated Installation >15' To 20', Add	7.84	
For Elevated Installation >20' To 25', Add	9.80	
For Elevated Installation >25' To 30', Add	13.72	
For Elevated Installation >30' To 35', Add	15.68	
For Elevated Installation >35' To 40', Add	19.61	
For Elevated Installation >40', Add	21.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.76	
26 05 33 13-0760 EA 1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	55.23	17.46
For Work In Restricted Working Space, Add	13.10	
For Elevated Installation >10' To 15', Add	4.37	
For Elevated Installation >15' To 20', Add	8.74	
For Elevated Installation >20' To 25', Add	10.92	
For Elevated Installation >25' To 30', Add	15.29	
For Elevated Installation >30' To 35', Add	17.47	
For Elevated Installation >35' To 40', Add	21.84	
For Elevated Installation >40', Add	24.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.10	
26 05 33 13-0761 EA 1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting .....	69.04	19.12
For Work In Restricted Working Space, Add	14.34	
For Elevated Installation >10' To 15', Add	4.78	
For Elevated Installation >15' To 20', Add	9.56	
For Elevated Installation >20' To 25', Add	11.95	
For Elevated Installation >25' To 30', Add	16.73	
For Elevated Installation >30' To 35', Add	19.12	
For Elevated Installation >35' To 40', Add	23.90	
For Elevated Installation >40', Add	26.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.34	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0762	EA		1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	78.95	20.88
			<i>For Work In Restricted Working Space, Add</i>	15.69	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.23	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.46	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.07	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.30	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.92	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.15	
			<i>For Elevated Installation &gt;40', Add</i>	28.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.69	
26 05 33 13-0763	EA		2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	109.95	22.63
			<i>For Work In Restricted Working Space, Add</i>	16.99	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.66	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.33	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.82	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.65	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.32	
			<i>For Elevated Installation &gt;40', Add</i>	31.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.99	
26 05 33 13-0764	EA		2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	184.23	28.07
			<i>For Work In Restricted Working Space, Add</i>	21.05	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.02	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.56	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.09	
			<i>For Elevated Installation &gt;40', Add</i>	38.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.05	
26 05 33 13-0765	EA		3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	261.65	35.09
			<i>For Work In Restricted Working Space, Add</i>	26.32	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.77	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.93	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	30.71	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	35.09	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	43.87	
			<i>For Elevated Installation &gt;40', Add</i>	48.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.32	
26 05 33 13-0766	EA		3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	384.73	42.12
			<i>For Work In Restricted Working Space, Add</i>	31.60	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.06	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.33	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	36.86	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.13	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	52.66	
			<i>For Elevated Installation &gt;40', Add</i>	57.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.60	
26 05 33 13-0767	EA		4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	444.77	45.62
			<i>For Work In Restricted Working Space, Add</i>	34.21	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.81	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.51	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	39.91	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.62	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	57.02	
			<i>For Elevated Installation &gt;40', Add</i>	62.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.21	
<b>26 05 33 13-0768</b>			<b>Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors</b> <small>(26 05 33 13-0723)</small>		
26 05 33 13-0769	EA		1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	22.61	7.02
			<i>For Work In Restricted Working Space, Add</i>	5.27	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.76	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.51	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.39	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.14	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.02	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.78	
			<i>For Elevated Installation &gt;40', Add</i>	9.65	
26 05 33 13-0770	EA		3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	25.29	7.72
			<i>For Work In Restricted Working Space, Add</i>	5.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.93	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.83	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.65	
			<i>For Elevated Installation &gt;40', Add</i>	10.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0771 EA 1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	29.06	8.77
<i>For Work In Restricted Working Space, Add</i>	6.58	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.19	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.39	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.48	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.77	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.97	
<i>For Elevated Installation &gt;40', Add</i>	12.06	
26 05 33 13-0772 EA 1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	33.10	9.47
<i>For Work In Restricted Working Space, Add</i>	7.11	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.37	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.92	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.29	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.48	
<i>For Elevated Installation &gt;35' To 40', Add</i>	11.85	
<i>For Elevated Installation &gt;40', Add</i>	13.03	
26 05 33 13-0773 EA 1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	39.44	10.52
<i>For Work In Restricted Working Space, Add</i>	7.90	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.63	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.26	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.58	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.21	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.53	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.16	
<i>For Elevated Installation &gt;40', Add</i>	14.48	
26 05 33 13-0774 EA 2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	48.34	11.58
<i>For Work In Restricted Working Space, Add</i>	8.69	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.90	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.79	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.24	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.13	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.58	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.48	
<i>For Elevated Installation &gt;40', Add</i>	15.92	
26 05 33 13-0775 EA 2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	66.17	14.03
<i>For Work In Restricted Working Space, Add</i>	10.53	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.51	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.02	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.77	
<i>For Elevated Installation &gt;25' To 30', Add</i>	12.28	
<i>For Elevated Installation &gt;30' To 35', Add</i>	14.04	
<i>For Elevated Installation &gt;35' To 40', Add</i>	17.55	
<i>For Elevated Installation &gt;40', Add</i>	19.30	
26 05 33 13-0776 EA 3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	81.78	17.55
<i>For Work In Restricted Working Space, Add</i>	13.16	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.39	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.77	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.97	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.54	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.93	
<i>For Elevated Installation &gt;40', Add</i>	24.12	
26 05 33 13-0777 EA 3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	98.26	21.06
<i>For Work In Restricted Working Space, Add</i>	15.79	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.26	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.53	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.16	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.42	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.06	
<i>For Elevated Installation &gt;35' To 40', Add</i>	26.32	
<i>For Elevated Installation &gt;40', Add</i>	28.95	
26 05 33 13-0778 EA 4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	111.19	22.81
<i>For Work In Restricted Working Space, Add</i>	17.11	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.70	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.40	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.26	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	22.81	
<i>For Elevated Installation &gt;35' To 40', Add</i>	28.51	
<i>For Elevated Installation &gt;40', Add</i>	31.36	

26 05 33 13-0779 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs (26 05 33 13-0723)

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0780	EA		1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	19.66	7.02
			<i>For Work In Restricted Working Space, Add</i>	5.27	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.76	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.51	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.39	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.14	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.02	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.78	
			<i>For Elevated Installation &gt;40', Add</i>	9.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 05 33 13-0781	EA		3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	25.10	8.77
			<i>For Work In Restricted Working Space, Add</i>	6.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.97	
			<i>For Elevated Installation &gt;40', Add</i>	12.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-0782	EA		1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	31.00	10.52
			<i>For Work In Restricted Working Space, Add</i>	7.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.63	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.26	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.16	
			<i>For Elevated Installation &gt;40', Add</i>	14.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.90	
26 05 33 13-0783	EA		1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	37.32	12.28
			<i>For Work In Restricted Working Space, Add</i>	9.21	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.07	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.14	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.75	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.28	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.36	
			<i>For Elevated Installation &gt;40', Add</i>	16.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.21	
26 05 33 13-0784	EA		1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	43.61	14.03
			<i>For Work In Restricted Working Space, Add</i>	10.53	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.51	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.02	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.77	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.28	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.55	
			<i>For Elevated Installation &gt;40', Add</i>	19.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.53	
26 05 33 13-0785	EA		2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	51.80	15.79
			<i>For Work In Restricted Working Space, Add</i>	11.84	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.82	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.79	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.74	
			<i>For Elevated Installation &gt;40', Add</i>	21.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.84	
26 05 33 13-0786	EA		2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	64.50	17.55
			<i>For Work In Restricted Working Space, Add</i>	13.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.97	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.54	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.93	
			<i>For Elevated Installation &gt;40', Add</i>	24.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.16	
26 05 33 13-0787	EA		3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	76.05	19.30
			<i>For Work In Restricted Working Space, Add</i>	14.48	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.83	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.65	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.06	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.89	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.13	
			<i>For Elevated Installation &gt;40', Add</i>	26.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0788 EA 3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	93.06	22.81
<i>For Work In Restricted Working Space, Add</i>	17.11	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.70	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.40	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.26	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	22.81	
<i>For Elevated Installation &gt;35' To 40', Add</i>	28.51	
<i>For Elevated Installation &gt;40', Add</i>	31.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.11	
26 05 33 13-0789 EA 4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	106.89	24.57
<i>For Work In Restricted Working Space, Add</i>	18.42	
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.14	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.28	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.35	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.49	
<i>For Elevated Installation &gt;30' To 35', Add</i>	24.56	
<i>For Elevated Installation &gt;35' To 40', Add</i>	30.71	
<i>For Elevated Installation &gt;40', Add</i>	33.78	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.42	
<b>26 05 33 13-0790 Intermediate Metal Conduit (IMC) Expansion Fittings</b> <small>(26 05 33 13-0723)</small>		
26 05 33 13-0791 EA 1/2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	126.34	14.03
<i>For Work In Restricted Working Space, Add</i>	10.53	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.51	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.02	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.78	
<i>For Elevated Installation &gt;25' To 30', Add</i>	12.29	
<i>For Elevated Installation &gt;30' To 35', Add</i>	14.04	
<i>For Elevated Installation &gt;35' To 40', Add</i>	17.55	
<i>For Elevated Installation &gt;40', Add</i>	19.31	
26 05 33 13-0792 EA 3/4" Intermediate Metal Conduit (IMC) Expansion Fitting .....	139.84	15.79
<i>For Work In Restricted Working Space, Add</i>	11.84	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.95	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.90	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.87	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.82	
<i>For Elevated Installation &gt;30' To 35', Add</i>	15.79	
<i>For Elevated Installation &gt;35' To 40', Add</i>	19.74	
<i>For Elevated Installation &gt;40', Add</i>	21.71	
26 05 33 13-0793 EA 1" Intermediate Metal Conduit (IMC) Expansion Fitting .....	155.41	17.55
<i>For Work In Restricted Working Space, Add</i>	13.16	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.39	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.77	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.97	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.55	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.94	
<i>For Elevated Installation &gt;40', Add</i>	24.13	
26 05 33 13-0794 EA 1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting .....	187.39	19.30
<i>For Work In Restricted Working Space, Add</i>	14.48	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.83	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.65	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.06	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.89	
<i>For Elevated Installation &gt;30' To 35', Add</i>	19.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	24.13	
<i>For Elevated Installation &gt;40', Add</i>	26.54	
26 05 33 13-0795 EA 1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	229.13	21.06
<i>For Work In Restricted Working Space, Add</i>	15.79	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.26	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.53	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.16	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.42	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.06	
<i>For Elevated Installation &gt;35' To 40', Add</i>	26.32	
<i>For Elevated Installation &gt;40', Add</i>	28.95	
26 05 33 13-0796 EA 2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	300.39	22.81
<i>For Work In Restricted Working Space, Add</i>	17.11	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.70	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.40	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.26	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	22.81	
<i>For Elevated Installation &gt;35' To 40', Add</i>	28.51	
<i>For Elevated Installation &gt;40', Add</i>	31.36	
26 05 33 13-0797 EA 2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	452.46	28.07
<i>For Work In Restricted Working Space, Add</i>	21.05	
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.02	
<i>For Elevated Installation &gt;15' To 20', Add</i>	14.04	
<i>For Elevated Installation &gt;20' To 25', Add</i>	17.55	
<i>For Elevated Installation &gt;25' To 30', Add</i>	24.56	
<i>For Elevated Installation &gt;30' To 35', Add</i>	28.07	
<i>For Elevated Installation &gt;35' To 40', Add</i>	35.09	
<i>For Elevated Installation &gt;40', Add</i>	38.60	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0798	EA		3" Intermediate Metal Conduit (IMC) Expansion Fitting .....	544.20	35.09
			<i>For Work In Restricted Working Space, Add</i>	26.32	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.77	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.93	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	30.71	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	35.09	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	43.87	
			<i>For Elevated Installation &gt;40', Add</i>	48.25	
26 05 33 13-0799	EA		3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	757.40	42.12
			<i>For Work In Restricted Working Space, Add</i>	31.59	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.06	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.32	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	36.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	52.65	
			<i>For Elevated Installation &gt;40', Add</i>	57.91	
26 05 33 13-0800	EA		4" Intermediate Metal Conduit (IMC) Expansion Fitting .....	875.41	45.62
			<i>For Work In Restricted Working Space, Add</i>	34.21	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.81	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.51	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	39.91	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.62	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	57.02	
			<i>For Elevated Installation &gt;40', Add</i>	62.72	
<b>26 05 33 13-0801</b>			<b>Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal</b> <small>(26 05 33 13-0723)</small>		
26 05 33 13-0802	EA		1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal .....	78.97	21.93
			<i>For Work In Restricted Working Space, Add</i>	13.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.97	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.54	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.93	
			<i>For Elevated Installation &gt;40', Add</i>	24.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.16	
26 05 33 13-0803	EA		3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal .....	93.87	26.31
			<i>For Work In Restricted Working Space, Add</i>	15.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.26	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.42	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.32	
			<i>For Elevated Installation &gt;40', Add</i>	28.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.79	
26 05 33 13-0804	EA		1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal .....	114.40	30.71
			<i>For Work In Restricted Working Space, Add</i>	18.42	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.14	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.35	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.49	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.56	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.71	
			<i>For Elevated Installation &gt;40', Add</i>	33.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.42	
26 05 33 13-0805	EA		1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal .....	134.53	35.09
			<i>For Work In Restricted Working Space, Add</i>	21.05	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.02	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.56	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.09	
			<i>For Elevated Installation &gt;40', Add</i>	38.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.05	
26 05 33 13-0806	EA		1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal .....	175.83	39.48
			<i>For Work In Restricted Working Space, Add</i>	23.69	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.74	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.63	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.48	
			<i>For Elevated Installation &gt;40', Add</i>	43.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.69	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0807 EA 2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal .....	213.26	43.86
For Work In Restricted Working Space, Add	26.32	
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.55	
For Elevated Installation >20' To 25', Add	21.93	
For Elevated Installation >25' To 30', Add	30.71	
For Elevated Installation >30' To 35', Add	35.09	
For Elevated Installation >35' To 40', Add	43.87	
For Elevated Installation >40', Add	48.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.32	
26 05 33 13-0808 EA 2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal .....	300.31	52.64
For Work In Restricted Working Space, Add	31.58	
For Elevated Installation >10' To 15', Add	10.53	
For Elevated Installation >15' To 20', Add	21.06	
For Elevated Installation >20' To 25', Add	26.32	
For Elevated Installation >25' To 30', Add	36.85	
For Elevated Installation >30' To 35', Add	42.11	
For Elevated Installation >35' To 40', Add	52.64	
For Elevated Installation >40', Add	57.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.58	
26 05 33 13-0809 EA 3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal .....	361.05	61.41
For Work In Restricted Working Space, Add	36.85	
For Elevated Installation >10' To 15', Add	12.28	
For Elevated Installation >15' To 20', Add	24.56	
For Elevated Installation >20' To 25', Add	30.71	
For Elevated Installation >25' To 30', Add	42.99	
For Elevated Installation >30' To 35', Add	49.13	
For Elevated Installation >35' To 40', Add	61.41	
For Elevated Installation >40', Add	67.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.85	
26 05 33 13-0810 EA 3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal .....	827.45	70.18
For Work In Restricted Working Space, Add	42.11	
For Elevated Installation >10' To 15', Add	14.04	
For Elevated Installation >15' To 20', Add	28.07	
For Elevated Installation >20' To 25', Add	35.09	
For Elevated Installation >25' To 30', Add	49.13	
For Elevated Installation >30' To 35', Add	56.15	
For Elevated Installation >35' To 40', Add	70.19	
For Elevated Installation >40', Add	77.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.11	
26 05 33 13-0811 EA 4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal .....	953.11	78.95
For Work In Restricted Working Space, Add	47.38	
For Elevated Installation >10' To 15', Add	15.79	
For Elevated Installation >15' To 20', Add	31.58	
For Elevated Installation >20' To 25', Add	39.48	
For Elevated Installation >25' To 30', Add	55.27	
For Elevated Installation >30' To 35', Add	63.17	
For Elevated Installation >35' To 40', Add	78.96	
For Elevated Installation >40', Add	86.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.38	
<b>26 05 33 13-0812 Intermediate Metal Conduit (IMC) Threaded Couplings (26 05 33 13-0723)</b>		
26 05 33 13-0813 EA 1/2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	11.72	4.21
For Work In Restricted Working Space, Add	3.16	
For Elevated Installation >10' To 15', Add	1.05	
For Elevated Installation >15' To 20', Add	2.10	
For Elevated Installation >20' To 25', Add	2.63	
For Elevated Installation >25' To 30', Add	3.68	
For Elevated Installation >30' To 35', Add	4.21	
For Elevated Installation >35' To 40', Add	5.26	
For Elevated Installation >40', Add	5.79	
26 05 33 13-0814 EA 3/4" Intermediate Metal Conduit (IMC) Threaded Coupling .....	16.37	5.97
For Work In Restricted Working Space, Add	4.48	
For Elevated Installation >10' To 15', Add	1.49	
For Elevated Installation >15' To 20', Add	2.98	
For Elevated Installation >20' To 25', Add	3.73	
For Elevated Installation >25' To 30', Add	5.22	
For Elevated Installation >30' To 35', Add	5.97	
For Elevated Installation >35' To 40', Add	7.46	
For Elevated Installation >40', Add	8.21	
26 05 33 13-0815 EA 1" Intermediate Metal Conduit (IMC) Threaded Coupling .....	21.46	7.72
For Work In Restricted Working Space, Add	5.79	
For Elevated Installation >10' To 15', Add	1.93	
For Elevated Installation >15' To 20', Add	3.86	
For Elevated Installation >20' To 25', Add	4.82	
For Elevated Installation >25' To 30', Add	6.75	
For Elevated Installation >30' To 35', Add	7.72	
For Elevated Installation >35' To 40', Add	9.65	
For Elevated Installation >40', Add	10.61	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0816 EA 1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling .....	24.65	8.77
For Work In Restricted Working Space, Add	6.58	
For Elevated Installation >10' To 15', Add	2.19	
For Elevated Installation >15' To 20', Add	4.39	
For Elevated Installation >20' To 25', Add	5.49	
For Elevated Installation >25' To 30', Add	7.68	
For Elevated Installation >30' To 35', Add	8.78	
For Elevated Installation >35' To 40', Add	10.97	
For Elevated Installation >40', Add	12.07	
26 05 33 13-0817 EA 1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	29.72	10.52
For Work In Restricted Working Space, Add	7.89	
For Elevated Installation >10' To 15', Add	2.63	
For Elevated Installation >15' To 20', Add	5.26	
For Elevated Installation >20' To 25', Add	6.58	
For Elevated Installation >25' To 30', Add	9.21	
For Elevated Installation >30' To 35', Add	10.52	
For Elevated Installation >35' To 40', Add	13.15	
For Elevated Installation >40', Add	14.47	
26 05 33 13-0818 EA 2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	34.34	11.93
For Work In Restricted Working Space, Add	8.95	
For Elevated Installation >10' To 15', Add	2.98	
For Elevated Installation >15' To 20', Add	5.97	
For Elevated Installation >20' To 25', Add	7.46	
For Elevated Installation >25' To 30', Add	10.44	
For Elevated Installation >30' To 35', Add	11.94	
For Elevated Installation >35' To 40', Add	14.92	
For Elevated Installation >40', Add	16.41	
26 05 33 13-0819 EA 2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	43.31	13.33
For Work In Restricted Working Space, Add	10.00	
For Elevated Installation >10' To 15', Add	3.33	
For Elevated Installation >15' To 20', Add	6.67	
For Elevated Installation >20' To 25', Add	8.33	
For Elevated Installation >25' To 30', Add	11.67	
For Elevated Installation >30' To 35', Add	13.33	
For Elevated Installation >35' To 40', Add	16.67	
For Elevated Installation >40', Add	18.33	
26 05 33 13-0820 EA 3" Intermediate Metal Conduit (IMC) Threaded Coupling .....	51.36	15.09
For Work In Restricted Working Space, Add	11.32	
For Elevated Installation >10' To 15', Add	3.77	
For Elevated Installation >15' To 20', Add	7.55	
For Elevated Installation >20' To 25', Add	9.43	
For Elevated Installation >25' To 30', Add	13.21	
For Elevated Installation >30' To 35', Add	15.09	
For Elevated Installation >35' To 40', Add	18.87	
For Elevated Installation >40', Add	20.75	
26 05 33 13-0821 EA 3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	59.46	16.49
For Work In Restricted Working Space, Add	12.37	
For Elevated Installation >10' To 15', Add	4.12	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.31	
For Elevated Installation >25' To 30', Add	14.43	
For Elevated Installation >30' To 35', Add	16.50	
For Elevated Installation >35' To 40', Add	20.62	
For Elevated Installation >40', Add	22.68	
26 05 33 13-0822 EA 4" Intermediate Metal Conduit (IMC) Threaded Coupling .....	62.21	17.55
For Work In Restricted Working Space, Add	13.16	
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.77	
For Elevated Installation >20' To 25', Add	10.96	
For Elevated Installation >25' To 30', Add	15.35	
For Elevated Installation >30' To 35', Add	17.54	
For Elevated Installation >35' To 40', Add	21.93	
For Elevated Installation >40', Add	24.12	
<b>26 05 33 13-0823 Intermediate Metal Conduit (IMC) Reducer Bushings (26 05 33 13-0723)</b>		
26 05 33 13-0824 EA 1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing .....	5.72	1.76
For Work In Restricted Working Space, Add	1.31	
For Elevated Installation >10' To 15', Add	0.44	
For Elevated Installation >15' To 20', Add	0.88	
For Elevated Installation >20' To 25', Add	1.10	
For Elevated Installation >25' To 30', Add	1.53	
For Elevated Installation >30' To 35', Add	1.75	
For Elevated Installation >35' To 40', Add	2.19	
For Elevated Installation >40', Add	2.41	
26 05 33 13-0825 EA 3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing .....	6.49	1.76
For Work In Restricted Working Space, Add	1.31	
For Elevated Installation >10' To 15', Add	0.44	
For Elevated Installation >15' To 20', Add	0.88	
For Elevated Installation >20' To 25', Add	1.10	
For Elevated Installation >25' To 30', Add	1.53	
For Elevated Installation >30' To 35', Add	1.75	
For Elevated Installation >35' To 40', Add	2.19	
For Elevated Installation >40', Add	2.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0826 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0058)</small> Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0827 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0826)</small> Note: Includes field bending for conduit up to 1".		
26 05 33 13-0828 LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	11.76	2.46
For >250 To 500, Deduct	-0.43	
For >500 To 1,000, Deduct	-0.73	
For >1,000, Deduct	-1.02	
For Elevated Installation >10' To 15', Add	0.61	
For Elevated Installation >15' To 20', Add	1.23	
For Elevated Installation >20' To 25', Add	1.54	
For Elevated Installation >25' To 30', Add	2.15	
For Elevated Installation >30' To 35', Add	2.46	
For Elevated Installation >35' To 40', Add	3.07	
For Elevated Installation >40', Add	3.38	
For Work In Restricted Working Space, Add	1.84	
26 05 33 13-0829 LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	13.53	2.81
For >250 To 500, Deduct	-0.50	
For >500 To 1,000, Deduct	-0.84	
For >1,000, Deduct	-1.18	
For Elevated Installation >10' To 15', Add	0.70	
For Elevated Installation >15' To 20', Add	1.40	
For Elevated Installation >20' To 25', Add	1.76	
For Elevated Installation >25' To 30', Add	2.46	
For Elevated Installation >30' To 35', Add	2.81	
For Elevated Installation >35' To 40', Add	3.51	
For Elevated Installation >40', Add	3.86	
For Work In Restricted Working Space, Add	2.11	
26 05 33 13-0830 LF 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	17.21	3.51
For >250 To 500, Deduct	-0.64	
For >500 To 1,000, Deduct	-1.07	
For >1,000, Deduct	-1.50	
For Elevated Installation >10' To 15', Add	0.88	
For Elevated Installation >15' To 20', Add	1.75	
For Elevated Installation >20' To 25', Add	2.19	
For Elevated Installation >25' To 30', Add	3.07	
For Elevated Installation >30' To 35', Add	3.51	
For Elevated Installation >35' To 40', Add	4.39	
For Elevated Installation >40', Add	4.82	
For Work In Restricted Working Space, Add	2.63	
26 05 33 13-0831 LF 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	21.22	4.21
For >250 To 500, Deduct	-0.80	
For >500 To 1,000, Deduct	-1.33	
For >1,000, Deduct	-1.86	
For Elevated Installation >10' To 15', Add	1.05	
For Elevated Installation >15' To 20', Add	2.10	
For Elevated Installation >20' To 25', Add	2.63	
For Elevated Installation >25' To 30', Add	3.68	
For Elevated Installation >30' To 35', Add	4.21	
For Elevated Installation >35' To 40', Add	5.26	
For Elevated Installation >40', Add	5.79	
For Work In Restricted Working Space, Add	3.16	
26 05 33 13-0832 LF 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	26.16	5.27
For >250 To 500, Deduct	-0.98	
For >500 To 1,000, Deduct	-1.63	
For >1,000, Deduct	-2.29	
For Elevated Installation >10' To 15', Add	1.32	
For Elevated Installation >15' To 20', Add	2.63	
For Elevated Installation >20' To 25', Add	3.29	
For Elevated Installation >25' To 30', Add	4.61	
For Elevated Installation >30' To 35', Add	5.26	
For Elevated Installation >35' To 40', Add	6.58	
For Elevated Installation >40', Add	7.24	
For Work In Restricted Working Space, Add	3.95	
26 05 33 13-0833 LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	32.73	6.32
For >250 To 500, Deduct	-1.24	
For >500 To 1,000, Deduct	-2.06	
For >1,000, Deduct	-2.88	
For Elevated Installation >10' To 15', Add	1.58	
For Elevated Installation >15' To 20', Add	3.16	
For Elevated Installation >20' To 25', Add	3.95	
For Elevated Installation >25' To 30', Add	5.53	
For Elevated Installation >30' To 35', Add	6.32	
For Elevated Installation >35' To 40', Add	7.90	
For Elevated Installation >40', Add	8.68	
For Work In Restricted Working Space, Add	4.74	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0834	LF		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	44.11	7.37
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.85	
			<i>For &gt;1,000, Deduct</i>	-3.95	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.84	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.68	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.61	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.45	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.37	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.21	
			<i>For Elevated Installation &gt;40', Add</i>	10.13	
			<i>For Work In Restricted Working Space, Add</i>	5.53	
26 05 33 13-0835	LF		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	55.21	9.12
			<i>For &gt;250 To 500, Deduct</i>	-2.19	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.57	
			<i>For &gt;1,000, Deduct</i>	-4.95	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.28	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.56	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.70	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.98	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.41	
			<i>For Elevated Installation &gt;40', Add</i>	12.55	
			<i>For Work In Restricted Working Space, Add</i>	6.84	
26 05 33 13-0836	LF		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	67.70	11.23
			<i>For &gt;250 To 500, Deduct</i>	-2.68	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.38	
			<i>For &gt;1,000, Deduct</i>	-6.07	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.81	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.61	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.02	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.82	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.23	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.04	
			<i>For Elevated Installation &gt;40', Add</i>	15.44	
			<i>For Work In Restricted Working Space, Add</i>	8.42	
26 05 33 13-0837	LF		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	80.06	13.33
			<i>For &gt;250 To 500, Deduct</i>	-3.17	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.17	
			<i>For &gt;1,000, Deduct</i>	-7.17	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.34	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.67	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.67	
			<i>For Elevated Installation &gt;40', Add</i>	18.34	
			<i>For Work In Restricted Working Space, Add</i>	10.00	
26 05 33 13-0838	LF		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	122.28	15.79
			<i>For &gt;250 To 500, Deduct</i>	-5.13	
			<i>For &gt;500 To 1,000, Deduct</i>	-8.18	
			<i>For &gt;1,000, Deduct</i>	-11.24	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.82	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.79	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.74	
			<i>For Elevated Installation &gt;40', Add</i>	21.71	
			<i>For Work In Restricted Working Space, Add</i>	11.84	
26 05 33 13-0839	LF		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	166.10	21.06
			<i>For &gt;250 To 500, Deduct</i>	-6.99	
			<i>For &gt;500 To 1,000, Deduct</i>	-11.14	
			<i>For &gt;1,000, Deduct</i>	-15.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.26	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.42	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.32	
			<i>For Elevated Installation &gt;40', Add</i>	28.95	
			<i>For Work In Restricted Working Space, Add</i>	15.79	
26 05 33 13-0840			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-0841	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	16.46	5.27
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.05	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.10	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.63	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.21	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.26	
			<i>For Elevated Installation &gt;40', Add</i>	5.79	
			<i>For Work In Restricted Working Space, Add</i>	3.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0842 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	21.14	7.45
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.98	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.73	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.22	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.97	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.46	
<i>For Elevated Installation &gt;40', Add</i>	8.21	
<i>For Work In Restricted Working Space, Add</i>	4.48	
26 05 33 13-0843 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	27.38	9.65
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.93	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.86	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.83	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.76	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.72	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.65	
<i>For Elevated Installation &gt;40', Add</i>	10.62	
<i>For Work In Restricted Working Space, Add</i>	5.79	
26 05 33 13-0844 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	31.35	10.97
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.19	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.39	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.48	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.77	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.97	
<i>For Elevated Installation &gt;40', Add</i>	12.06	
<i>For Work In Restricted Working Space, Add</i>	6.58	
26 05 33 13-0845 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	37.51	13.16
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.63	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.26	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.58	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.21	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.52	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.16	
<i>For Elevated Installation &gt;40', Add</i>	14.47	
<i>For Work In Restricted Working Space, Add</i>	7.89	
26 05 33 13-0846 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	46.22	14.92
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.98	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.97	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.46	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.44	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.93	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.92	
<i>For Elevated Installation &gt;40', Add</i>	16.41	
<i>For Work In Restricted Working Space, Add</i>	8.95	
26 05 33 13-0847 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	73.91	14.92
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.33	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.67	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.34	
<i>For Elevated Installation &gt;25' To 30', Add</i>	11.67	
<i>For Elevated Installation &gt;30' To 35', Add</i>	13.34	
<i>For Elevated Installation &gt;35' To 40', Add</i>	16.67	
<i>For Elevated Installation &gt;40', Add</i>	18.34	
<i>For Work In Restricted Working Space, Add</i>	10.00	
26 05 33 13-0848 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	86.99	20.62
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.77	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.54	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.43	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.20	
<i>For Elevated Installation &gt;30' To 35', Add</i>	15.09	
<i>For Elevated Installation &gt;35' To 40', Add</i>	18.86	
<i>For Elevated Installation &gt;40', Add</i>	20.75	
<i>For Work In Restricted Working Space, Add</i>	11.32	
26 05 33 13-0849 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	104.44	20.62
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.12	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.25	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.31	
<i>For Elevated Installation &gt;25' To 30', Add</i>	14.43	
<i>For Elevated Installation &gt;30' To 35', Add</i>	16.49	
<i>For Elevated Installation &gt;35' To 40', Add</i>	20.62	
<i>For Elevated Installation &gt;40', Add</i>	22.68	
<i>For Work In Restricted Working Space, Add</i>	12.37	
26 05 33 13-0850 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	117.76	21.93
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.39	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.77	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.97	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.54	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.93	
<i>For Elevated Installation &gt;40', Add</i>	24.12	
<i>For Work In Restricted Working Space, Add</i>	13.16	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0851 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling .....	293.46	26.31
For Elevated Installation >10' To 15', Add	5.26	
For Elevated Installation >15' To 20', Add	10.53	
For Elevated Installation >20' To 25', Add	13.16	
For Elevated Installation >25' To 30', Add	18.42	
For Elevated Installation >30' To 35', Add	21.06	
For Elevated Installation >35' To 40', Add	26.32	
For Elevated Installation >40', Add	28.95	
For Work In Restricted Working Space, Add	15.79	
26 05 33 13-0852 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling .....	330.42	30.71
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.28	
For Elevated Installation >20' To 25', Add	15.35	
For Elevated Installation >25' To 30', Add	21.49	
For Elevated Installation >30' To 35', Add	24.56	
For Elevated Installation >35' To 40', Add	30.71	
For Elevated Installation >40', Add	33.78	
For Work In Restricted Working Space, Add	18.42	
<b>26 05 33 13-0853 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows <small>(26 05 33 13-0826)</small></b>		
Note: 90, 45, or 30 degree.		
26 05 33 13-0854 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	49.32	14.26
For Elevated Installation >10' To 15', Add	2.85	
For Elevated Installation >15' To 20', Add	5.70	
For Elevated Installation >20' To 25', Add	7.13	
For Elevated Installation >25' To 30', Add	9.98	
For Elevated Installation >30' To 35', Add	11.40	
For Elevated Installation >35' To 40', Add	14.26	
For Elevated Installation >40', Add	15.68	
For Work In Restricted Working Space, Add	8.55	
26 05 33 13-0855 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	56.96	17.68
For Elevated Installation >10' To 15', Add	3.54	
For Elevated Installation >15' To 20', Add	7.07	
For Elevated Installation >20' To 25', Add	8.84	
For Elevated Installation >25' To 30', Add	12.37	
For Elevated Installation >30' To 35', Add	14.14	
For Elevated Installation >35' To 40', Add	17.68	
For Elevated Installation >40', Add	19.44	
For Work In Restricted Working Space, Add	10.61	
26 05 33 13-0856 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	68.12	21.67
For Elevated Installation >10' To 15', Add	4.33	
For Elevated Installation >15' To 20', Add	8.67	
For Elevated Installation >20' To 25', Add	10.84	
For Elevated Installation >25' To 30', Add	15.17	
For Elevated Installation >30' To 35', Add	17.34	
For Elevated Installation >35' To 40', Add	21.67	
For Elevated Installation >40', Add	23.84	
For Work In Restricted Working Space, Add	13.00	
26 05 33 13-0857 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	80.63	25.09
For Elevated Installation >10' To 15', Add	5.02	
For Elevated Installation >15' To 20', Add	10.04	
For Elevated Installation >20' To 25', Add	12.55	
For Elevated Installation >25' To 30', Add	17.56	
For Elevated Installation >30' To 35', Add	20.07	
For Elevated Installation >35' To 40', Add	25.09	
For Elevated Installation >40', Add	27.60	
For Work In Restricted Working Space, Add	15.05	
26 05 33 13-0858 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	94.44	28.51
For Elevated Installation >10' To 15', Add	5.70	
For Elevated Installation >15' To 20', Add	11.40	
For Elevated Installation >20' To 25', Add	14.26	
For Elevated Installation >25' To 30', Add	19.96	
For Elevated Installation >30' To 35', Add	22.81	
For Elevated Installation >35' To 40', Add	28.51	
For Elevated Installation >40', Add	31.36	
For Work In Restricted Working Space, Add	17.11	
26 05 33 13-0859 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	114.96	31.36
For Elevated Installation >10' To 15', Add	6.27	
For Elevated Installation >15' To 20', Add	12.55	
For Elevated Installation >20' To 25', Add	15.68	
For Elevated Installation >25' To 30', Add	21.96	
For Elevated Installation >30' To 35', Add	25.09	
For Elevated Installation >35' To 40', Add	31.37	
For Elevated Installation >40', Add	34.50	
For Work In Restricted Working Space, Add	18.82	
26 05 33 13-0860 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	177.09	39.35
For Elevated Installation >10' To 15', Add	7.87	
For Elevated Installation >15' To 20', Add	15.74	
For Elevated Installation >20' To 25', Add	19.67	
For Elevated Installation >25' To 30', Add	27.54	
For Elevated Installation >30' To 35', Add	31.48	
For Elevated Installation >35' To 40', Add	39.35	
For Elevated Installation >40', Add	43.28	
For Work In Restricted Working Space, Add	23.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0861 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	264.43	53.60
For Elevated Installation >10' To 15', Add	10.72	
For Elevated Installation >15' To 20', Add	21.44	
For Elevated Installation >20' To 25', Add	26.80	
For Elevated Installation >25' To 30', Add	37.52	
For Elevated Installation >30' To 35', Add	42.88	
For Elevated Installation >35' To 40', Add	53.60	
For Elevated Installation >40', Add	58.96	
For Work In Restricted Working Space, Add	32.16	
26 05 33 13-0862 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	327.21	60.44
For Elevated Installation >10' To 15', Add	12.09	
For Elevated Installation >15' To 20', Add	24.18	
For Elevated Installation >20' To 25', Add	30.23	
For Elevated Installation >25' To 30', Add	42.32	
For Elevated Installation >30' To 35', Add	48.36	
For Elevated Installation >35' To 40', Add	60.45	
For Elevated Installation >40', Add	66.50	
For Work In Restricted Working Space, Add	36.27	
26 05 33 13-0863 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	375.47	78.69
For Elevated Installation >10' To 15', Add	15.74	
For Elevated Installation >15' To 20', Add	31.48	
For Elevated Installation >20' To 25', Add	39.35	
For Elevated Installation >25' To 30', Add	55.08	
For Elevated Installation >30' To 35', Add	62.95	
For Elevated Installation >35' To 40', Add	78.69	
For Elevated Installation >40', Add	86.56	
For Work In Restricted Working Space, Add	47.21	
26 05 33 13-0864 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	782.16	128.30
For Elevated Installation >10' To 15', Add	25.66	
For Elevated Installation >15' To 20', Add	51.32	
For Elevated Installation >20' To 25', Add	64.15	
For Elevated Installation >25' To 30', Add	89.81	
For Elevated Installation >30' To 35', Add	102.64	
For Elevated Installation >35' To 40', Add	128.31	
For Elevated Installation >40', Add	141.14	
For Work In Restricted Working Space, Add	76.98	
26 05 33 13-0865 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	1,230.26	192.75
For Elevated Installation >10' To 15', Add	38.55	
For Elevated Installation >15' To 20', Add	77.10	
For Elevated Installation >20' To 25', Add	96.37	
For Elevated Installation >25' To 30', Add	134.92	
For Elevated Installation >30' To 35', Add	154.20	
For Elevated Installation >35' To 40', Add	192.75	
For Elevated Installation >40', Add	212.02	
For Work In Restricted Working Space, Add	115.65	
<b>26 05 33 13-0866 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-0867 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	117.17	21.67
For Elevated Installation >10' To 15', Add	4.33	
For Elevated Installation >15' To 20', Add	8.67	
For Elevated Installation >20' To 25', Add	10.84	
For Elevated Installation >25' To 30', Add	15.17	
For Elevated Installation >30' To 35', Add	17.34	
For Elevated Installation >35' To 40', Add	21.67	
For Elevated Installation >40', Add	23.84	
For Work In Restricted Working Space, Add	13.00	
26 05 33 13-0868 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	131.85	25.09
For Elevated Installation >10' To 15', Add	5.02	
For Elevated Installation >15' To 20', Add	10.04	
For Elevated Installation >20' To 25', Add	12.55	
For Elevated Installation >25' To 30', Add	17.56	
For Elevated Installation >30' To 35', Add	20.07	
For Elevated Installation >35' To 40', Add	25.09	
For Elevated Installation >40', Add	27.60	
For Work In Restricted Working Space, Add	15.05	
26 05 33 13-0869 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	150.51	28.51
For Elevated Installation >10' To 15', Add	5.70	
For Elevated Installation >15' To 20', Add	11.40	
For Elevated Installation >20' To 25', Add	14.26	
For Elevated Installation >25' To 30', Add	19.96	
For Elevated Installation >30' To 35', Add	22.81	
For Elevated Installation >35' To 40', Add	28.51	
For Elevated Installation >40', Add	31.36	
For Work In Restricted Working Space, Add	17.11	
26 05 33 13-0870 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	179.66	31.36
For Elevated Installation >10' To 15', Add	6.27	
For Elevated Installation >15' To 20', Add	12.55	
For Elevated Installation >20' To 25', Add	15.68	
For Elevated Installation >25' To 30', Add	21.96	
For Elevated Installation >30' To 35', Add	25.09	
For Elevated Installation >35' To 40', Add	31.37	
For Elevated Installation >40', Add	34.50	
For Work In Restricted Working Space, Add	18.82	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0871 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	250.32	39.35
For Elevated Installation >10' To 15', Add	7.87	
For Elevated Installation >15' To 20', Add	15.74	
For Elevated Installation >20' To 25', Add	19.67	
For Elevated Installation >25' To 30', Add	27.54	
For Elevated Installation >30' To 35', Add	31.48	
For Elevated Installation >35' To 40', Add	39.35	
For Elevated Installation >40', Add	43.28	
For Work In Restricted Working Space, Add	23.61	
<b>26 05 33 13-0872 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows (26 05 33 13-0826)</b>		
26 05 33 13-0873 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	130.44	21.67
For Elevated Installation >10' To 15', Add	4.33	
For Elevated Installation >15' To 20', Add	8.67	
For Elevated Installation >20' To 25', Add	10.84	
For Elevated Installation >25' To 30', Add	15.17	
For Elevated Installation >30' To 35', Add	17.34	
For Elevated Installation >35' To 40', Add	21.67	
For Elevated Installation >40', Add	23.84	
For Work In Restricted Working Space, Add	13.00	
26 05 33 13-0874 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	153.77	25.09
For Elevated Installation >10' To 15', Add	5.02	
For Elevated Installation >15' To 20', Add	10.04	
For Elevated Installation >20' To 25', Add	12.55	
For Elevated Installation >25' To 30', Add	17.56	
For Elevated Installation >30' To 35', Add	20.07	
For Elevated Installation >35' To 40', Add	25.09	
For Elevated Installation >40', Add	27.60	
For Work In Restricted Working Space, Add	15.05	
26 05 33 13-0875 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	166.23	28.51
For Elevated Installation >10' To 15', Add	5.70	
For Elevated Installation >15' To 20', Add	11.40	
For Elevated Installation >20' To 25', Add	14.26	
For Elevated Installation >25' To 30', Add	19.96	
For Elevated Installation >30' To 35', Add	22.81	
For Elevated Installation >35' To 40', Add	28.51	
For Elevated Installation >40', Add	31.36	
For Work In Restricted Working Space, Add	17.11	
26 05 33 13-0876 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	213.93	31.36
For Elevated Installation >10' To 15', Add	6.27	
For Elevated Installation >15' To 20', Add	12.55	
For Elevated Installation >20' To 25', Add	15.68	
For Elevated Installation >25' To 30', Add	21.96	
For Elevated Installation >30' To 35', Add	25.09	
For Elevated Installation >35' To 40', Add	31.37	
For Elevated Installation >40', Add	34.50	
For Work In Restricted Working Space, Add	18.82	
26 05 33 13-0877 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	283.36	39.35
For Elevated Installation >10' To 15', Add	7.87	
For Elevated Installation >15' To 20', Add	15.74	
For Elevated Installation >20' To 25', Add	19.67	
For Elevated Installation >25' To 30', Add	27.54	
For Elevated Installation >30' To 35', Add	31.48	
For Elevated Installation >35' To 40', Add	39.35	
For Elevated Installation >40', Add	43.28	
For Work In Restricted Working Space, Add	23.61	
26 05 33 13-0878 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	362.44	53.60
For Elevated Installation >10' To 15', Add	10.72	
For Elevated Installation >15' To 20', Add	21.44	
For Elevated Installation >20' To 25', Add	26.80	
For Elevated Installation >25' To 30', Add	37.52	
For Elevated Installation >30' To 35', Add	42.88	
For Elevated Installation >35' To 40', Add	53.60	
For Elevated Installation >40', Add	58.96	
For Work In Restricted Working Space, Add	32.16	
<b>26 05 33 13-0879 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows (26 05 33 13-0826)</b>		
26 05 33 13-0880 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	146.30	21.67
For Elevated Installation >10' To 15', Add	4.33	
For Elevated Installation >15' To 20', Add	8.67	
For Elevated Installation >20' To 25', Add	10.84	
For Elevated Installation >25' To 30', Add	15.17	
For Elevated Installation >30' To 35', Add	17.34	
For Elevated Installation >35' To 40', Add	21.67	
For Elevated Installation >40', Add	23.84	
For Work In Restricted Working Space, Add	13.00	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0881 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	165.18	25.09
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.02	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.04	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.55	
<i>For Elevated Installation &gt;25' To 30', Add</i>	17.56	
<i>For Elevated Installation &gt;30' To 35', Add</i>	20.07	
<i>For Elevated Installation &gt;35' To 40', Add</i>	25.09	
<i>For Elevated Installation &gt;40', Add</i>	27.60	
<i>For Work In Restricted Working Space, Add</i>	15.05	
26 05 33 13-0882 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	186.40	28.51
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.70	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.40	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.26	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	22.81	
<i>For Elevated Installation &gt;35' To 40', Add</i>	28.51	
<i>For Elevated Installation &gt;40', Add</i>	31.36	
<i>For Work In Restricted Working Space, Add</i>	17.11	
26 05 33 13-0883 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	225.30	31.36
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
<i>For Elevated Installation &gt;40', Add</i>	34.50	
<i>For Work In Restricted Working Space, Add</i>	18.82	
26 05 33 13-0884 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	321.34	39.35
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.67	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.54	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.48	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.35	
<i>For Elevated Installation &gt;40', Add</i>	43.28	
<i>For Work In Restricted Working Space, Add</i>	23.61	
26 05 33 13-0885 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	407.03	53.60
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	21.44	
<i>For Elevated Installation &gt;20' To 25', Add</i>	26.80	
<i>For Elevated Installation &gt;25' To 30', Add</i>	37.52	
<i>For Elevated Installation &gt;30' To 35', Add</i>	42.88	
<i>For Elevated Installation &gt;35' To 40', Add</i>	53.60	
<i>For Elevated Installation &gt;40', Add</i>	58.96	
<i>For Work In Restricted Working Space, Add</i>	32.16	
26 05 33 13-0886 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	513.93	60.44
<i>For Elevated Installation &gt;10' To 15', Add</i>	12.09	
<i>For Elevated Installation &gt;15' To 20', Add</i>	24.18	
<i>For Elevated Installation &gt;20' To 25', Add</i>	30.23	
<i>For Elevated Installation &gt;25' To 30', Add</i>	42.32	
<i>For Elevated Installation &gt;30' To 35', Add</i>	48.36	
<i>For Elevated Installation &gt;35' To 40', Add</i>	60.45	
<i>For Elevated Installation &gt;40', Add</i>	66.50	
<i>For Work In Restricted Working Space, Add</i>	36.27	
26 05 33 13-0887 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	578.89	78.69
<i>For Elevated Installation &gt;10' To 15', Add</i>	15.74	
<i>For Elevated Installation &gt;15' To 20', Add</i>	31.48	
<i>For Elevated Installation &gt;20' To 25', Add</i>	39.35	
<i>For Elevated Installation &gt;25' To 30', Add</i>	55.08	
<i>For Elevated Installation &gt;30' To 35', Add</i>	62.95	
<i>For Elevated Installation &gt;35' To 40', Add</i>	78.69	
<i>For Elevated Installation &gt;40', Add</i>	86.56	
<i>For Work In Restricted Working Space, Add</i>	47.21	
<b>26 05 33 13-0888 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-0889 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	173.70	21.67
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.33	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.67	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.84	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.17	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.34	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.67	
<i>For Elevated Installation &gt;40', Add</i>	23.84	
<i>For Work In Restricted Working Space, Add</i>	13.00	
26 05 33 13-0890 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	191.98	25.09
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.02	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.04	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.55	
<i>For Elevated Installation &gt;25' To 30', Add</i>	17.56	
<i>For Elevated Installation &gt;30' To 35', Add</i>	20.07	
<i>For Elevated Installation &gt;35' To 40', Add</i>	25.09	
<i>For Elevated Installation &gt;40', Add</i>	27.60	
<i>For Work In Restricted Working Space, Add</i>	15.05	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0891 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	216.82	28.51
For Elevated Installation >10' To 15', Add	5.70	
For Elevated Installation >15' To 20', Add	11.40	
For Elevated Installation >20' To 25', Add	14.26	
For Elevated Installation >25' To 30', Add	19.96	
For Elevated Installation >30' To 35', Add	22.81	
For Elevated Installation >35' To 40', Add	28.51	
For Elevated Installation >40', Add	31.36	
For Work In Restricted Working Space, Add	17.11	
26 05 33 13-0892 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	269.11	31.36
For Elevated Installation >10' To 15', Add	6.27	
For Elevated Installation >15' To 20', Add	12.55	
For Elevated Installation >20' To 25', Add	15.68	
For Elevated Installation >25' To 30', Add	21.96	
For Elevated Installation >30' To 35', Add	25.09	
For Elevated Installation >35' To 40', Add	31.37	
For Elevated Installation >40', Add	34.50	
For Work In Restricted Working Space, Add	18.82	
26 05 33 13-0893 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	389.31	39.35
For Elevated Installation >10' To 15', Add	7.87	
For Elevated Installation >15' To 20', Add	15.74	
For Elevated Installation >20' To 25', Add	19.67	
For Elevated Installation >25' To 30', Add	27.54	
For Elevated Installation >30' To 35', Add	31.48	
For Elevated Installation >35' To 40', Add	39.35	
For Elevated Installation >40', Add	43.28	
For Work In Restricted Working Space, Add	23.61	
26 05 33 13-0894 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	482.56	53.60
For Elevated Installation >10' To 15', Add	10.72	
For Elevated Installation >15' To 20', Add	21.44	
For Elevated Installation >20' To 25', Add	26.80	
For Elevated Installation >25' To 30', Add	37.52	
For Elevated Installation >30' To 35', Add	42.88	
For Elevated Installation >35' To 40', Add	53.60	
For Elevated Installation >40', Add	58.96	
For Work In Restricted Working Space, Add	32.16	
26 05 33 13-0895 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	560.05	60.44
For Elevated Installation >10' To 15', Add	12.09	
For Elevated Installation >15' To 20', Add	24.18	
For Elevated Installation >20' To 25', Add	30.23	
For Elevated Installation >25' To 30', Add	42.32	
For Elevated Installation >30' To 35', Add	48.36	
For Elevated Installation >35' To 40', Add	60.45	
For Elevated Installation >40', Add	66.50	
For Work In Restricted Working Space, Add	36.27	
26 05 33 13-0896 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	663.56	78.69
For Elevated Installation >10' To 15', Add	15.74	
For Elevated Installation >15' To 20', Add	31.48	
For Elevated Installation >20' To 25', Add	39.35	
For Elevated Installation >25' To 30', Add	55.08	
For Elevated Installation >30' To 35', Add	62.95	
For Elevated Installation >35' To 40', Add	78.69	
For Elevated Installation >40', Add	86.56	
For Work In Restricted Working Space, Add	47.21	
<b>26 05 33 13-0897 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-0898 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	195.02	21.67
For Elevated Installation >10' To 15', Add	4.33	
For Elevated Installation >15' To 20', Add	8.67	
For Elevated Installation >20' To 25', Add	10.84	
For Elevated Installation >25' To 30', Add	15.17	
For Elevated Installation >30' To 35', Add	17.34	
For Elevated Installation >35' To 40', Add	21.67	
For Elevated Installation >40', Add	23.84	
For Work In Restricted Working Space, Add	13.00	
26 05 33 13-0899 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	216.93	25.09
For Elevated Installation >10' To 15', Add	5.02	
For Elevated Installation >15' To 20', Add	10.04	
For Elevated Installation >20' To 25', Add	12.55	
For Elevated Installation >25' To 30', Add	17.56	
For Elevated Installation >30' To 35', Add	20.07	
For Elevated Installation >35' To 40', Add	25.09	
For Elevated Installation >40', Add	27.60	
For Work In Restricted Working Space, Add	15.05	
26 05 33 13-0900 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	246.77	28.51
For Elevated Installation >10' To 15', Add	5.70	
For Elevated Installation >15' To 20', Add	11.40	
For Elevated Installation >20' To 25', Add	14.26	
For Elevated Installation >25' To 30', Add	19.96	
For Elevated Installation >30' To 35', Add	22.81	
For Elevated Installation >35' To 40', Add	28.51	
For Elevated Installation >40', Add	31.36	
For Work In Restricted Working Space, Add	17.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0901 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	307.25	31.36
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
<i>For Elevated Installation &gt;40', Add</i>	34.50	
<i>For Work In Restricted Working Space, Add</i>	18.82	
26 05 33 13-0902 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	426.39	39.35
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.67	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.54	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.48	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.35	
<i>For Elevated Installation &gt;40', Add</i>	43.28	
<i>For Work In Restricted Working Space, Add</i>	23.61	
26 05 33 13-0903 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	542.99	53.60
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	21.44	
<i>For Elevated Installation &gt;20' To 25', Add</i>	26.80	
<i>For Elevated Installation &gt;25' To 30', Add</i>	37.52	
<i>For Elevated Installation &gt;30' To 35', Add</i>	42.88	
<i>For Elevated Installation &gt;35' To 40', Add</i>	53.60	
<i>For Elevated Installation &gt;40', Add</i>	58.96	
<i>For Work In Restricted Working Space, Add</i>	32.16	
26 05 33 13-0904 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	672.19	60.44
<i>For Elevated Installation &gt;10' To 15', Add</i>	12.09	
<i>For Elevated Installation &gt;15' To 20', Add</i>	24.18	
<i>For Elevated Installation &gt;20' To 25', Add</i>	30.23	
<i>For Elevated Installation &gt;25' To 30', Add</i>	42.32	
<i>For Elevated Installation &gt;30' To 35', Add</i>	48.36	
<i>For Elevated Installation &gt;35' To 40', Add</i>	60.45	
<i>For Elevated Installation &gt;40', Add</i>	66.50	
<i>For Work In Restricted Working Space, Add</i>	36.27	
26 05 33 13-0905 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	741.29	78.69
<i>For Elevated Installation &gt;10' To 15', Add</i>	15.74	
<i>For Elevated Installation &gt;15' To 20', Add</i>	31.48	
<i>For Elevated Installation &gt;20' To 25', Add</i>	39.35	
<i>For Elevated Installation &gt;25' To 30', Add</i>	55.08	
<i>For Elevated Installation &gt;30' To 35', Add</i>	62.95	
<i>For Elevated Installation &gt;35' To 40', Add</i>	78.69	
<i>For Elevated Installation &gt;40', Add</i>	86.56	
<i>For Work In Restricted Working Space, Add</i>	47.21	
26 05 33 13-0906 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	1,235.93	128.30
<i>For Elevated Installation &gt;10' To 15', Add</i>	25.66	
<i>For Elevated Installation &gt;15' To 20', Add</i>	51.32	
<i>For Elevated Installation &gt;20' To 25', Add</i>	64.15	
<i>For Elevated Installation &gt;25' To 30', Add</i>	89.81	
<i>For Elevated Installation &gt;30' To 35', Add</i>	102.64	
<i>For Elevated Installation &gt;35' To 40', Add</i>	128.31	
<i>For Elevated Installation &gt;40', Add</i>	141.14	
<i>For Work In Restricted Working Space, Add</i>	76.98	
<b>26 05 33 13-0907 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-0908 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	222.90	21.67
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.33	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.67	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.84	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.17	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.34	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.67	
<i>For Elevated Installation &gt;40', Add</i>	23.84	
<i>For Work In Restricted Working Space, Add</i>	13.00	
26 05 33 13-0909 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	247.07	25.09
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.02	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.04	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.55	
<i>For Elevated Installation &gt;25' To 30', Add</i>	17.56	
<i>For Elevated Installation &gt;30' To 35', Add</i>	20.07	
<i>For Elevated Installation &gt;35' To 40', Add</i>	25.09	
<i>For Elevated Installation &gt;40', Add</i>	27.60	
<i>For Work In Restricted Working Space, Add</i>	15.05	
26 05 33 13-0910 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	279.60	28.51
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.70	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.40	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.26	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	22.81	
<i>For Elevated Installation &gt;35' To 40', Add</i>	28.51	
<i>For Elevated Installation &gt;40', Add</i>	31.36	
<i>For Work In Restricted Working Space, Add</i>	17.11	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0911	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	349.55	31.36
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
			<i>For Elevated Installation &gt;40', Add</i>	34.50	
			<i>For Work In Restricted Working Space, Add</i>	18.82	
26 05 33 13-0912	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	488.18	39.35
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.87	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.67	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.48	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.35	
			<i>For Elevated Installation &gt;40', Add</i>	43.28	
			<i>For Work In Restricted Working Space, Add</i>	23.61	
26 05 33 13-0913	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	619.97	53.60
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	37.52	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.88	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	53.60	
			<i>For Elevated Installation &gt;40', Add</i>	58.96	
			<i>For Work In Restricted Working Space, Add</i>	32.16	
26 05 33 13-0914	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	728.39	60.44
			<i>For Elevated Installation &gt;10' To 15', Add</i>	12.09	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	24.18	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	30.23	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	42.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	48.36	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	60.45	
			<i>For Elevated Installation &gt;40', Add</i>	66.50	
			<i>For Work In Restricted Working Space, Add</i>	36.27	
26 05 33 13-0915	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	841.63	78.69
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.74	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	31.48	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	39.35	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	55.08	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	62.95	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	78.69	
			<i>For Elevated Installation &gt;40', Add</i>	86.56	
			<i>For Work In Restricted Working Space, Add</i>	47.21	
26 05 33 13-0916	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	1,306.25	128.30
			<i>For Elevated Installation &gt;10' To 15', Add</i>	25.66	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	51.32	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	64.15	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	89.81	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	102.64	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	128.31	
			<i>For Elevated Installation &gt;40', Add</i>	141.14	
			<i>For Work In Restricted Working Space, Add</i>	76.98	
26 05 33 13-0917	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	1,785.93	192.75
			<i>For Elevated Installation &gt;10' To 15', Add</i>	38.55	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	77.10	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	96.37	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	134.92	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	154.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	192.75	
			<i>For Elevated Installation &gt;40', Add</i>	212.02	
			<i>For Work In Restricted Working Space, Add</i>	115.65	
26 05 33 13-0918			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-0919	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	261.71	21.67
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.84	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.17	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.67	
			<i>For Elevated Installation &gt;40', Add</i>	23.84	
			<i>For Work In Restricted Working Space, Add</i>	13.00	
26 05 33 13-0920	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	273.94	25.09
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.02	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.56	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	25.09	
			<i>For Elevated Installation &gt;40', Add</i>	27.60	
			<i>For Work In Restricted Working Space, Add</i>	15.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0921 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	323.53	28.51
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.70	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.40	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.26	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	22.81	
<i>For Elevated Installation &gt;35' To 40', Add</i>	28.51	
<i>For Elevated Installation &gt;40', Add</i>	31.36	
<i>For Work In Restricted Working Space, Add</i>	17.11	
26 05 33 13-0922 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	408.44	31.36
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
<i>For Elevated Installation &gt;40', Add</i>	34.50	
<i>For Work In Restricted Working Space, Add</i>	18.82	
26 05 33 13-0923 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	571.51	39.35
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.67	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.54	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.48	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.35	
<i>For Elevated Installation &gt;40', Add</i>	43.28	
<i>For Work In Restricted Working Space, Add</i>	23.61	
26 05 33 13-0924 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	723.75	53.60
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	21.44	
<i>For Elevated Installation &gt;20' To 25', Add</i>	26.80	
<i>For Elevated Installation &gt;25' To 30', Add</i>	37.52	
<i>For Elevated Installation &gt;30' To 35', Add</i>	42.88	
<i>For Elevated Installation &gt;35' To 40', Add</i>	53.60	
<i>For Elevated Installation &gt;40', Add</i>	58.96	
<i>For Work In Restricted Working Space, Add</i>	32.16	
26 05 33 13-0925 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	884.61	60.44
<i>For Elevated Installation &gt;10' To 15', Add</i>	12.09	
<i>For Elevated Installation &gt;15' To 20', Add</i>	24.18	
<i>For Elevated Installation &gt;20' To 25', Add</i>	30.23	
<i>For Elevated Installation &gt;25' To 30', Add</i>	42.32	
<i>For Elevated Installation &gt;30' To 35', Add</i>	48.36	
<i>For Elevated Installation &gt;35' To 40', Add</i>	60.45	
<i>For Elevated Installation &gt;40', Add</i>	66.50	
<i>For Work In Restricted Working Space, Add</i>	36.27	
26 05 33 13-0926 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	1,036.84	78.69
<i>For Elevated Installation &gt;10' To 15', Add</i>	15.74	
<i>For Elevated Installation &gt;15' To 20', Add</i>	31.48	
<i>For Elevated Installation &gt;20' To 25', Add</i>	39.35	
<i>For Elevated Installation &gt;25' To 30', Add</i>	55.08	
<i>For Elevated Installation &gt;30' To 35', Add</i>	62.95	
<i>For Elevated Installation &gt;35' To 40', Add</i>	78.69	
<i>For Elevated Installation &gt;40', Add</i>	86.56	
<i>For Work In Restricted Working Space, Add</i>	47.21	
26 05 33 13-0927 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	1,535.63	128.30
<i>For Elevated Installation &gt;10' To 15', Add</i>	25.66	
<i>For Elevated Installation &gt;15' To 20', Add</i>	51.32	
<i>For Elevated Installation &gt;20' To 25', Add</i>	64.15	
<i>For Elevated Installation &gt;25' To 30', Add</i>	89.81	
<i>For Elevated Installation &gt;30' To 35', Add</i>	102.64	
<i>For Elevated Installation &gt;35' To 40', Add</i>	128.31	
<i>For Elevated Installation &gt;40', Add</i>	141.14	
<i>For Work In Restricted Working Space, Add</i>	76.98	
26 05 33 13-0928 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	1,891.23	192.75
<i>For Elevated Installation &gt;10' To 15', Add</i>	38.55	
<i>For Elevated Installation &gt;15' To 20', Add</i>	77.10	
<i>For Elevated Installation &gt;20' To 25', Add</i>	96.37	
<i>For Elevated Installation &gt;25' To 30', Add</i>	134.92	
<i>For Elevated Installation &gt;30' To 35', Add</i>	154.20	
<i>For Elevated Installation &gt;35' To 40', Add</i>	192.75	
<i>For Elevated Installation &gt;40', Add</i>	212.02	
<i>For Work In Restricted Working Space, Add</i>	115.65	
<b>26 05 33 13-0929 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel</b>		
<b>(RGS) 48" Large Radius Elbows</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-0930 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	271.06	21.67
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.33	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.67	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.84	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.17	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.34	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.67	
<i>For Elevated Installation &gt;40', Add</i>	23.84	
<i>For Work In Restricted Working Space, Add</i>	13.00	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0931 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	319.39	25.09
For Elevated Installation >10' To 15', Add	5.02	
For Elevated Installation >15' To 20', Add	10.04	
For Elevated Installation >20' To 25', Add	12.55	
For Elevated Installation >25' To 30', Add	17.56	
For Elevated Installation >30' To 35', Add	20.07	
For Elevated Installation >35' To 40', Add	25.09	
For Elevated Installation >40', Add	27.60	
For Work In Restricted Working Space, Add	15.05	
26 05 33 13-0932 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	361.53	28.51
For Elevated Installation >10' To 15', Add	5.70	
For Elevated Installation >15' To 20', Add	11.40	
For Elevated Installation >20' To 25', Add	14.26	
For Elevated Installation >25' To 30', Add	19.96	
For Elevated Installation >30' To 35', Add	22.81	
For Elevated Installation >35' To 40', Add	28.51	
For Elevated Installation >40', Add	31.36	
For Work In Restricted Working Space, Add	17.11	
26 05 33 13-0933 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	426.15	31.36
For Elevated Installation >10' To 15', Add	6.27	
For Elevated Installation >15' To 20', Add	12.55	
For Elevated Installation >20' To 25', Add	15.68	
For Elevated Installation >25' To 30', Add	21.96	
For Elevated Installation >30' To 35', Add	25.09	
For Elevated Installation >35' To 40', Add	31.37	
For Elevated Installation >40', Add	34.50	
For Work In Restricted Working Space, Add	18.82	
26 05 33 13-0934 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	592.32	39.35
For Elevated Installation >10' To 15', Add	7.87	
For Elevated Installation >15' To 20', Add	15.74	
For Elevated Installation >20' To 25', Add	19.67	
For Elevated Installation >25' To 30', Add	27.54	
For Elevated Installation >30' To 35', Add	31.48	
For Elevated Installation >35' To 40', Add	39.35	
For Elevated Installation >40', Add	43.28	
For Work In Restricted Working Space, Add	23.61	
26 05 33 13-0935 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	755.66	53.60
For Elevated Installation >10' To 15', Add	10.72	
For Elevated Installation >15' To 20', Add	21.44	
For Elevated Installation >20' To 25', Add	26.80	
For Elevated Installation >25' To 30', Add	37.52	
For Elevated Installation >30' To 35', Add	42.88	
For Elevated Installation >35' To 40', Add	53.60	
For Elevated Installation >40', Add	58.96	
For Work In Restricted Working Space, Add	32.16	
26 05 33 13-0936 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	969.69	60.44
For Elevated Installation >10' To 15', Add	12.09	
For Elevated Installation >15' To 20', Add	24.18	
For Elevated Installation >20' To 25', Add	30.23	
For Elevated Installation >25' To 30', Add	42.32	
For Elevated Installation >30' To 35', Add	48.36	
For Elevated Installation >35' To 40', Add	60.45	
For Elevated Installation >40', Add	66.50	
For Work In Restricted Working Space, Add	36.27	
26 05 33 13-0937 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,081.11	78.69
For Elevated Installation >10' To 15', Add	15.74	
For Elevated Installation >15' To 20', Add	31.48	
For Elevated Installation >20' To 25', Add	39.35	
For Elevated Installation >25' To 30', Add	55.08	
For Elevated Installation >30' To 35', Add	62.95	
For Elevated Installation >35' To 40', Add	78.69	
For Elevated Installation >40', Add	86.56	
For Work In Restricted Working Space, Add	47.21	
26 05 33 13-0938 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,597.26	128.30
For Elevated Installation >10' To 15', Add	25.66	
For Elevated Installation >15' To 20', Add	51.32	
For Elevated Installation >20' To 25', Add	64.15	
For Elevated Installation >25' To 30', Add	89.81	
For Elevated Installation >30' To 35', Add	102.64	
For Elevated Installation >35' To 40', Add	128.31	
For Elevated Installation >40', Add	141.14	
For Work In Restricted Working Space, Add	76.98	
26 05 33 13-0939 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,944.73	192.75
For Elevated Installation >10' To 15', Add	38.55	
For Elevated Installation >15' To 20', Add	77.10	
For Elevated Installation >20' To 25', Add	96.37	
For Elevated Installation >25' To 30', Add	134.92	
For Elevated Installation >30' To 35', Add	154.20	
For Elevated Installation >35' To 40', Add	192.75	
For Elevated Installation >40', Add	212.02	
For Work In Restricted Working Space, Add	115.65	

26 05 33 13-0940 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel  
(RGS) 45 Degree Sealtight Fittings (26 05 33 13-0926)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0941 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	98.50	14.26
For Elevated Installation >10' To 15', Add	2.85	
For Elevated Installation >15' To 20', Add	5.70	
For Elevated Installation >20' To 25', Add	7.13	
For Elevated Installation >25' To 30', Add	9.98	
For Elevated Installation >30' To 35', Add	11.40	
For Elevated Installation >35' To 40', Add	14.26	
For Elevated Installation >40', Add	15.68	
For Work In Restricted Working Space, Add	8.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.55	
26 05 33 13-0942 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	120.17	18.82
For Elevated Installation >10' To 15', Add	3.76	
For Elevated Installation >15' To 20', Add	7.53	
For Elevated Installation >20' To 25', Add	9.41	
For Elevated Installation >25' To 30', Add	13.17	
For Elevated Installation >30' To 35', Add	15.06	
For Elevated Installation >35' To 40', Add	18.82	
For Elevated Installation >40', Add	20.70	
For Work In Restricted Working Space, Add	11.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.29	
26 05 33 13-0943 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	161.20	21.67
For Elevated Installation >10' To 15', Add	4.33	
For Elevated Installation >15' To 20', Add	8.67	
For Elevated Installation >20' To 25', Add	10.84	
For Elevated Installation >25' To 30', Add	15.17	
For Elevated Installation >30' To 35', Add	17.34	
For Elevated Installation >35' To 40', Add	21.67	
For Elevated Installation >40', Add	23.84	
For Work In Restricted Working Space, Add	13.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.00	
26 05 33 13-0944 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	267.81	25.09
For Elevated Installation >10' To 15', Add	5.02	
For Elevated Installation >15' To 20', Add	10.04	
For Elevated Installation >20' To 25', Add	12.55	
For Elevated Installation >25' To 30', Add	17.56	
For Elevated Installation >30' To 35', Add	20.07	
For Elevated Installation >35' To 40', Add	25.09	
For Elevated Installation >40', Add	27.60	
For Work In Restricted Working Space, Add	15.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.05	
26 05 33 13-0945 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	295.46	28.51
For Elevated Installation >10' To 15', Add	5.70	
For Elevated Installation >15' To 20', Add	11.40	
For Elevated Installation >20' To 25', Add	14.26	
For Elevated Installation >25' To 30', Add	19.96	
For Elevated Installation >30' To 35', Add	22.81	
For Elevated Installation >35' To 40', Add	28.51	
For Elevated Installation >40', Add	31.36	
For Work In Restricted Working Space, Add	17.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.11	
26 05 33 13-0946 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	374.68	31.36
For Elevated Installation >10' To 15', Add	6.27	
For Elevated Installation >15' To 20', Add	12.54	
For Elevated Installation >20' To 25', Add	15.68	
For Elevated Installation >25' To 30', Add	21.95	
For Elevated Installation >30' To 35', Add	25.09	
For Elevated Installation >35' To 40', Add	31.36	
For Elevated Installation >40', Add	34.50	
For Work In Restricted Working Space, Add	18.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.82	
26 05 33 13-0947 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,034.31	39.35
For Elevated Installation >10' To 15', Add	7.87	
For Elevated Installation >15' To 20', Add	15.74	
For Elevated Installation >20' To 25', Add	19.67	
For Elevated Installation >25' To 30', Add	27.54	
For Elevated Installation >30' To 35', Add	31.48	
For Elevated Installation >35' To 40', Add	39.35	
For Elevated Installation >40', Add	43.28	
For Work In Restricted Working Space, Add	23.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.61	
26 05 33 13-0948 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,232.56	53.60
For Elevated Installation >10' To 15', Add	10.72	
For Elevated Installation >15' To 20', Add	21.44	
For Elevated Installation >20' To 25', Add	26.80	
For Elevated Installation >25' To 30', Add	37.52	
For Elevated Installation >30' To 35', Add	42.88	
For Elevated Installation >35' To 40', Add	53.61	
For Elevated Installation >40', Add	58.97	
For Work In Restricted Working Space, Add	32.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.16	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0949	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,635.52	78.69
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.74	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	31.48	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	39.35	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	55.08	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	62.95	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	78.69	
			<i>For Elevated Installation &gt;40', Add</i>	86.56	
			<i>For Work In Restricted Working Space, Add</i>	47.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.21	
<b>26 05 33 13-0950</b>			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-0951	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	94.24	14.26
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.85	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.70	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.98	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.26	
			<i>For Elevated Installation &gt;40', Add</i>	15.68	
			<i>For Work In Restricted Working Space, Add</i>	8.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.55	
26 05 33 13-0952	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	115.37	18.82
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.76	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.17	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	18.82	
			<i>For Elevated Installation &gt;40', Add</i>	20.70	
			<i>For Work In Restricted Working Space, Add</i>	11.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.29	
26 05 33 13-0953	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	161.20	21.67
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.84	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.17	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.67	
			<i>For Elevated Installation &gt;40', Add</i>	23.84	
			<i>For Work In Restricted Working Space, Add</i>	13.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.00	
26 05 33 13-0954	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	265.33	25.09
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.02	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.56	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	25.09	
			<i>For Elevated Installation &gt;40', Add</i>	27.60	
			<i>For Work In Restricted Working Space, Add</i>	15.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.05	
26 05 33 13-0955	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	285.49	28.51
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.70	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.40	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.26	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.81	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.51	
			<i>For Elevated Installation &gt;40', Add</i>	31.36	
			<i>For Work In Restricted Working Space, Add</i>	17.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.11	
26 05 33 13-0956	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	374.80	31.36
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.54	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.95	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.36	
			<i>For Elevated Installation &gt;40', Add</i>	34.50	
			<i>For Work In Restricted Working Space, Add</i>	18.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.82	
26 05 33 13-0957	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	991.74	39.35
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.87	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.67	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.48	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.35	
			<i>For Elevated Installation &gt;40', Add</i>	43.28	
			<i>For Work In Restricted Working Space, Add</i>	23.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.61	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0958 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	1,201.51	53.60
For Elevated Installation >10' To 15', Add	10.72	
For Elevated Installation >15' To 20', Add	21.44	
For Elevated Installation >20' To 25', Add	26.80	
For Elevated Installation >25' To 30', Add	37.52	
For Elevated Installation >30' To 35', Add	42.88	
For Elevated Installation >35' To 40', Add	53.61	
For Elevated Installation >40', Add	58.97	
For Work In Restricted Working Space, Add	32.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.16	
26 05 33 13-0959 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	1,635.45	78.69
For Elevated Installation >10' To 15', Add	15.74	
For Elevated Installation >15' To 20', Add	31.48	
For Elevated Installation >20' To 25', Add	39.35	
For Elevated Installation >25' To 30', Add	55.08	
For Elevated Installation >30' To 35', Add	62.95	
For Elevated Installation >35' To 40', Add	78.69	
For Elevated Installation >40', Add	86.56	
For Work In Restricted Working Space, Add	47.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.21	
<b>26 05 33 13-0960 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fittings</b> <small>(26 05 33 13-0926)</small>		
26 05 33 13-0961 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....	84.82	14.26
For Elevated Installation >10' To 15', Add	2.85	
For Elevated Installation >15' To 20', Add	5.70	
For Elevated Installation >20' To 25', Add	7.13	
For Elevated Installation >25' To 30', Add	9.98	
For Elevated Installation >30' To 35', Add	11.40	
For Elevated Installation >35' To 40', Add	14.26	
For Elevated Installation >40', Add	15.68	
For Work In Restricted Working Space, Add	8.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.55	
26 05 33 13-0962 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....	101.07	18.82
For Elevated Installation >10' To 15', Add	3.76	
For Elevated Installation >15' To 20', Add	7.53	
For Elevated Installation >20' To 25', Add	9.41	
For Elevated Installation >25' To 30', Add	13.17	
For Elevated Installation >30' To 35', Add	15.06	
For Elevated Installation >35' To 40', Add	18.82	
For Elevated Installation >40', Add	20.70	
For Work In Restricted Working Space, Add	11.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.29	
26 05 33 13-0963 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....	119.41	21.67
For Elevated Installation >10' To 15', Add	4.33	
For Elevated Installation >15' To 20', Add	8.67	
For Elevated Installation >20' To 25', Add	10.84	
For Elevated Installation >25' To 30', Add	15.17	
For Elevated Installation >30' To 35', Add	17.34	
For Elevated Installation >35' To 40', Add	21.67	
For Elevated Installation >40', Add	23.84	
For Work In Restricted Working Space, Add	13.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.00	
26 05 33 13-0964 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....	171.29	25.09
For Elevated Installation >10' To 15', Add	5.02	
For Elevated Installation >15' To 20', Add	10.04	
For Elevated Installation >20' To 25', Add	12.55	
For Elevated Installation >25' To 30', Add	17.56	
For Elevated Installation >30' To 35', Add	20.07	
For Elevated Installation >35' To 40', Add	25.09	
For Elevated Installation >40', Add	27.60	
For Work In Restricted Working Space, Add	15.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.05	
26 05 33 13-0965 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....	200.31	28.51
For Elevated Installation >10' To 15', Add	5.70	
For Elevated Installation >15' To 20', Add	11.40	
For Elevated Installation >20' To 25', Add	14.26	
For Elevated Installation >25' To 30', Add	19.96	
For Elevated Installation >30' To 35', Add	22.81	
For Elevated Installation >35' To 40', Add	28.51	
For Elevated Installation >40', Add	31.36	
For Work In Restricted Working Space, Add	17.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.11	
26 05 33 13-0966 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....	313.25	31.36
For Elevated Installation >10' To 15', Add	6.27	
For Elevated Installation >15' To 20', Add	12.54	
For Elevated Installation >20' To 25', Add	15.68	
For Elevated Installation >25' To 30', Add	21.95	
For Elevated Installation >30' To 35', Add	25.09	
For Elevated Installation >35' To 40', Add	31.36	
For Elevated Installation >40', Add	34.50	
For Work In Restricted Working Space, Add	18.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.82	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0967	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting .....	873.21	39.35
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.87	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.67	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.48	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.35	
			<i>For Elevated Installation &gt;40', Add</i>	43.28	
			<i>For Work In Restricted Working Space, Add</i>	23.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.61	
26 05 33 13-0968	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting .....	980.10	53.60
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	37.52	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.88	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	53.61	
			<i>For Elevated Installation &gt;40', Add</i>	58.97	
			<i>For Work In Restricted Working Space, Add</i>	32.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.16	
26 05 33 13-0969	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting .....	1,248.60	78.69
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.74	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	31.48	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	39.35	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	55.08	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	62.95	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	78.69	
			<i>For Elevated Installation &gt;40', Add</i>	86.56	
			<i>For Work In Restricted Working Space, Add</i>	47.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.21	
<b>26 05 33 13-0970</b>			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings</b> <small>(26 05 33 13-0926)</small>		
26 05 33 13-0971	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting .....	147.84	14.26
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.85	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.70	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.98	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.26	
			<i>For Elevated Installation &gt;40', Add</i>	15.68	
			<i>For Work In Restricted Working Space, Add</i>	8.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.55	
26 05 33 13-0972	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting .....	223.62	18.82
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.76	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.17	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	18.82	
			<i>For Elevated Installation &gt;40', Add</i>	20.70	
			<i>For Work In Restricted Working Space, Add</i>	11.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.29	
26 05 33 13-0973	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting .....	281.71	21.67
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.84	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.17	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.67	
			<i>For Elevated Installation &gt;40', Add</i>	23.84	
			<i>For Work In Restricted Working Space, Add</i>	13.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.00	
26 05 33 13-0974	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting .....	325.15	25.09
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.02	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.56	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	25.09	
			<i>For Elevated Installation &gt;40', Add</i>	27.60	
			<i>For Work In Restricted Working Space, Add</i>	15.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0975 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	369.27	28.51
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.70	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.40	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.26	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	22.81	
<i>For Elevated Installation &gt;35' To 40', Add</i>	28.51	
<i>For Elevated Installation &gt;40', Add</i>	31.36	
<i>For Work In Restricted Working Space, Add</i>	17.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.11	
26 05 33 13-0976 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	487.79	31.36
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.54	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.95	
<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
<i>For Elevated Installation &gt;35' To 40', Add</i>	31.36	
<i>For Elevated Installation &gt;40', Add</i>	34.50	
<i>For Work In Restricted Working Space, Add</i>	18.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.82	
26 05 33 13-0977 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	1,552.44	39.35
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.67	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.54	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.48	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.35	
<i>For Elevated Installation &gt;40', Add</i>	43.28	
<i>For Work In Restricted Working Space, Add</i>	23.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.61	
26 05 33 13-0978 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	1,810.41	53.60
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	21.44	
<i>For Elevated Installation &gt;20' To 25', Add</i>	26.80	
<i>For Elevated Installation &gt;25' To 30', Add</i>	37.52	
<i>For Elevated Installation &gt;30' To 35', Add</i>	42.88	
<i>For Elevated Installation &gt;35' To 40', Add</i>	53.61	
<i>For Elevated Installation &gt;40', Add</i>	58.97	
<i>For Work In Restricted Working Space, Add</i>	32.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.16	
26 05 33 13-0979 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	2,222.17	78.69
<i>For Elevated Installation &gt;10' To 15', Add</i>	15.74	
<i>For Elevated Installation &gt;15' To 20', Add</i>	31.48	
<i>For Elevated Installation &gt;20' To 25', Add</i>	39.35	
<i>For Elevated Installation &gt;25' To 30', Add</i>	55.08	
<i>For Elevated Installation &gt;30' To 35', Add</i>	62.95	
<i>For Elevated Installation &gt;35' To 40', Add</i>	78.69	
<i>For Elevated Installation &gt;40', Add</i>	86.56	
<i>For Work In Restricted Working Space, Add</i>	47.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.21	
<b>26 05 33 13-0980 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fittings</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-0981 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	164.57	14.26
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.85	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.70	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.13	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.98	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.40	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.26	
<i>For Elevated Installation &gt;40', Add</i>	15.68	
<i>For Work In Restricted Working Space, Add</i>	8.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.55	
26 05 33 13-0982 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	239.41	18.82
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.76	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.53	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.41	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.17	
<i>For Elevated Installation &gt;30' To 35', Add</i>	15.06	
<i>For Elevated Installation &gt;35' To 40', Add</i>	18.82	
<i>For Elevated Installation &gt;40', Add</i>	20.70	
<i>For Work In Restricted Working Space, Add</i>	11.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.29	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-0983	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	284.71	21.67
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.33	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.67	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.84	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	15.17	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	17.34	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	21.67	
		<i>For Elevated Installation &gt;40', Add</i>	23.84	
		<i>For Work In Restricted Working Space, Add</i>	13.00	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.00	
26 05 33 13-0984	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	330.10	25.09
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.02	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.04	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.55	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.56	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	20.07	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	25.09	
		<i>For Elevated Installation &gt;40', Add</i>	27.60	
		<i>For Work In Restricted Working Space, Add</i>	15.05	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.05	
26 05 33 13-0985	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	382.85	28.51
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.70	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.40	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.26	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.96	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	22.81	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	28.51	
		<i>For Elevated Installation &gt;40', Add</i>	31.36	
		<i>For Work In Restricted Working Space, Add</i>	17.11	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.11	
26 05 33 13-0986	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	607.14	31.36
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.54	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.95	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	31.36	
		<i>For Elevated Installation &gt;40', Add</i>	34.50	
		<i>For Work In Restricted Working Space, Add</i>	18.82	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.82	
26 05 33 13-0987	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	1,732.52	39.35
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.87	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.74	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.67	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.54	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	31.48	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	39.35	
		<i>For Elevated Installation &gt;40', Add</i>	43.28	
		<i>For Work In Restricted Working Space, Add</i>	23.61	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.61	
26 05 33 13-0988	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	2,439.14	53.60
		<i>For Elevated Installation &gt;10' To 15', Add</i>	10.72	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	21.44	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	26.80	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	37.52	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	42.88	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	53.61	
		<i>For Elevated Installation &gt;40', Add</i>	58.97	
		<i>For Work In Restricted Working Space, Add</i>	32.16	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.16	
26 05 33 13-0989	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	2,540.46	78.69
		<i>For Elevated Installation &gt;10' To 15', Add</i>	15.74	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	31.48	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	39.35	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	55.08	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	62.95	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	78.69	
		<i>For Elevated Installation &gt;40', Add</i>	86.56	
		<i>For Work In Restricted Working Space, Add</i>	47.21	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.21	

26 05 33 13-0990 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel  
(RGS) Straight Grounded Sealtight Fittings (26 05 33 13-0926)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0991 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	129.41	14.26
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.85	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.70	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.13	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.98	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.40	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.26	
<i>For Elevated Installation &gt;40', Add</i>	15.68	
<i>For Work In Restricted Working Space, Add</i>	8.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.55	
26 05 33 13-0992 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	163.05	18.82
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.76	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.53	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.41	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.17	
<i>For Elevated Installation &gt;30' To 35', Add</i>	15.06	
<i>For Elevated Installation &gt;35' To 40', Add</i>	18.82	
<i>For Elevated Installation &gt;40', Add</i>	20.70	
<i>For Work In Restricted Working Space, Add</i>	11.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.29	
26 05 33 13-0993 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	195.60	21.67
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.33	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.67	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.84	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.17	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.34	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.67	
<i>For Elevated Installation &gt;40', Add</i>	23.84	
<i>For Work In Restricted Working Space, Add</i>	13.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.00	
26 05 33 13-0994 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	216.42	25.09
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.02	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.04	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.55	
<i>For Elevated Installation &gt;25' To 30', Add</i>	17.56	
<i>For Elevated Installation &gt;30' To 35', Add</i>	20.07	
<i>For Elevated Installation &gt;35' To 40', Add</i>	25.09	
<i>For Elevated Installation &gt;40', Add</i>	27.60	
<i>For Work In Restricted Working Space, Add</i>	15.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.05	
26 05 33 13-0995 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	292.96	28.51
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.70	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.40	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.26	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	22.81	
<i>For Elevated Installation &gt;35' To 40', Add</i>	28.51	
<i>For Elevated Installation &gt;40', Add</i>	31.36	
<i>For Work In Restricted Working Space, Add</i>	17.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.11	
26 05 33 13-0996 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	416.65	31.36
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.54	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.95	
<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
<i>For Elevated Installation &gt;35' To 40', Add</i>	31.36	
<i>For Elevated Installation &gt;40', Add</i>	34.50	
<i>For Work In Restricted Working Space, Add</i>	18.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.82	
26 05 33 13-0997 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,403.28	39.35
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.67	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.54	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.48	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.35	
<i>For Elevated Installation &gt;40', Add</i>	43.28	
<i>For Work In Restricted Working Space, Add</i>	23.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.61	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0998	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,577.18	53.60
		<i>For Elevated Installation &gt;10' To 15', Add</i>	10.72	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	21.44	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	26.80	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	37.52	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	42.88	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	53.61	
		<i>For Elevated Installation &gt;40', Add</i>	58.97	
		<i>For Work In Restricted Working Space, Add</i>	32.16	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.16	
26 05 33 13-0999	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,870.02	78.69
		<i>For Elevated Installation &gt;10' To 15', Add</i>	15.74	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	31.48	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	39.35	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	55.08	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	62.95	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	78.69	
		<i>For Elevated Installation &gt;40', Add</i>	86.56	
		<i>For Work In Restricted Working Space, Add</i>	47.21	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.21	
26 05 33 13-1000		<b>Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover</b> <small>(26 05 33 13-0826)</small>		
		Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-1001	EA	1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	113.03	27.37
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.48	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.95	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	13.69	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.16	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	21.90	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	27.38	
		<i>For Elevated Installation &gt;40', Add</i>	30.11	
		<i>For Work In Restricted Working Space, Add</i>	16.43	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.43	
26 05 33 13-1002	EA	3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	127.35	31.36
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.54	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.95	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	31.36	
		<i>For Elevated Installation &gt;40', Add</i>	34.50	
		<i>For Work In Restricted Working Space, Add</i>	18.82	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.82	
26 05 33 13-1003	EA	1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	158.32	35.93
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.19	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.37	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.96	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	25.15	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.74	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.93	
		<i>For Elevated Installation &gt;40', Add</i>	39.52	
		<i>For Work In Restricted Working Space, Add</i>	21.56	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.56	
26 05 33 13-1004	EA	1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	208.79	41.62
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.33	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	16.65	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	20.82	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	29.14	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	33.30	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	41.63	
		<i>For Elevated Installation &gt;40', Add</i>	45.79	
		<i>For Work In Restricted Working Space, Add</i>	24.98	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.98	
26 05 33 13-1005	EA	1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	244.53	45.62
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.12	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	18.25	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	22.81	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	31.93	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	36.50	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	45.62	
		<i>For Elevated Installation &gt;40', Add</i>	50.18	
		<i>For Work In Restricted Working Space, Add</i>	27.37	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1006 EA 2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	335.48	54.75
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.95	
<i>For Elevated Installation &gt;15' To 20', Add</i>	21.90	
<i>For Elevated Installation &gt;20' To 25', Add</i>	27.37	
<i>For Elevated Installation &gt;25' To 30', Add</i>	38.32	
<i>For Elevated Installation &gt;30' To 35', Add</i>	43.80	
<i>For Elevated Installation &gt;35' To 40', Add</i>	54.75	
<i>For Elevated Installation &gt;40', Add</i>	60.22	
<i>For Work In Restricted Working Space, Add</i>	32.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.85	
26 05 33 13-1007 EA 2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	568.70	76.99
<i>For Elevated Installation &gt;10' To 15', Add</i>	15.40	
<i>For Elevated Installation &gt;15' To 20', Add</i>	30.79	
<i>For Elevated Installation &gt;20' To 25', Add</i>	38.49	
<i>For Elevated Installation &gt;25' To 30', Add</i>	53.89	
<i>For Elevated Installation &gt;30' To 35', Add</i>	61.59	
<i>For Elevated Installation &gt;35' To 40', Add</i>	76.99	
<i>For Elevated Installation &gt;40', Add</i>	84.68	
<i>For Work In Restricted Working Space, Add</i>	46.19	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.19	
26 05 33 13-1008 EA 3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	727.01	102.65
<i>For Elevated Installation &gt;10' To 15', Add</i>	20.53	
<i>For Elevated Installation &gt;15' To 20', Add</i>	41.06	
<i>For Elevated Installation &gt;20' To 25', Add</i>	51.33	
<i>For Elevated Installation &gt;25' To 30', Add</i>	71.86	
<i>For Elevated Installation &gt;30' To 35', Add</i>	82.12	
<i>For Elevated Installation &gt;35' To 40', Add</i>	102.65	
<i>For Elevated Installation &gt;40', Add</i>	112.92	
<i>For Work In Restricted Working Space, Add</i>	61.59	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.59	
26 05 33 13-1009 EA 3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	1,014.60	128.30
<i>For Elevated Installation &gt;10' To 15', Add</i>	25.66	
<i>For Elevated Installation &gt;15' To 20', Add</i>	51.32	
<i>For Elevated Installation &gt;20' To 25', Add</i>	64.15	
<i>For Elevated Installation &gt;25' To 30', Add</i>	89.81	
<i>For Elevated Installation &gt;30' To 35', Add</i>	102.64	
<i>For Elevated Installation &gt;35' To 40', Add</i>	128.31	
<i>For Elevated Installation &gt;40', Add</i>	141.14	
<i>For Work In Restricted Working Space, Add</i>	76.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.98	
26 05 33 13-1010 EA 4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	1,162.15	156.25
<i>For Elevated Installation &gt;10' To 15', Add</i>	31.25	
<i>For Elevated Installation &gt;15' To 20', Add</i>	62.50	
<i>For Elevated Installation &gt;20' To 25', Add</i>	78.13	
<i>For Elevated Installation &gt;25' To 30', Add</i>	109.38	
<i>For Elevated Installation &gt;30' To 35', Add</i>	125.00	
<i>For Elevated Installation &gt;35' To 40', Add</i>	156.25	
<i>For Elevated Installation &gt;40', Add</i>	171.88	
<i>For Work In Restricted Working Space, Add</i>	93.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.75	
26 05 33 13-1011 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0826)</small>		
Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-1012 EA 1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	147.63	35.93
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.19	
<i>For Elevated Installation &gt;15' To 20', Add</i>	14.37	
<i>For Elevated Installation &gt;20' To 25', Add</i>	17.96	
<i>For Elevated Installation &gt;25' To 30', Add</i>	25.15	
<i>For Elevated Installation &gt;30' To 35', Add</i>	28.74	
<i>For Elevated Installation &gt;35' To 40', Add</i>	35.93	
<i>For Elevated Installation &gt;40', Add</i>	39.52	
<i>For Work In Restricted Working Space, Add</i>	21.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.56	
26 05 33 13-1013 EA 3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	168.57	39.92
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.98	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.97	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.96	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.94	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.94	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.92	
<i>For Elevated Installation &gt;40', Add</i>	43.91	
<i>For Work In Restricted Working Space, Add</i>	23.95	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.95	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1014	EA	1"	Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover ..... 207.33	43.91	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.78	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.56	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.95	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	30.73	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	35.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	43.91	
			<i>For Elevated Installation &gt;40', Add</i>	48.30	
			<i>For Work In Restricted Working Space, Add</i>	26.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.34	
26 05 33 13-1015	EA	1-1/4"	Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover ..... 281.46	50.18	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	20.07	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	25.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	35.13	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	40.14	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	50.18	
			<i>For Elevated Installation &gt;40', Add</i>	55.20	
			<i>For Work In Restricted Working Space, Add</i>	30.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.11	
26 05 33 13-1016	EA	1-1/2"	Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover ..... 333.97	54.75	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	27.37	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	38.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	43.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	54.75	
			<i>For Elevated Installation &gt;40', Add</i>	60.22	
			<i>For Work In Restricted Working Space, Add</i>	32.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.85	
26 05 33 13-1017	EA	2"	Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover ..... 457.02	67.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	13.46	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	26.92	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	33.65	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	47.10	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	53.83	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	67.29	
			<i>For Elevated Installation &gt;40', Add</i>	74.02	
			<i>For Work In Restricted Working Space, Add</i>	40.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.37	
26 05 33 13-1018			<b>Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover</b> <small>(26 05 33 13-0826)</small>		
			Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-1019	EA	1/2"	Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover ..... 130.00	31.36	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
			<i>For Elevated Installation &gt;40', Add</i>	34.50	
			<i>For Work In Restricted Working Space, Add</i>	18.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.82	
26 05 33 13-1020	EA	3/4"	Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover ..... 148.12	36.50	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.30	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	18.25	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.55	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	29.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	36.50	
			<i>For Elevated Installation &gt;40', Add</i>	40.14	
			<i>For Work In Restricted Working Space, Add</i>	21.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.90	
26 05 33 13-1021	EA	1"	Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover ..... 180.49	39.92	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.98	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.96	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.94	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.94	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.92	
			<i>For Elevated Installation &gt;40', Add</i>	43.91	
			<i>For Work In Restricted Working Space, Add</i>	23.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.95	
26 05 33 13-1022	EA	1-1/4"	Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover ..... 232.94	45.62	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.12	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.81	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	31.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.50	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.62	
			<i>For Elevated Installation &gt;40', Add</i>	50.18	
			<i>For Work In Restricted Working Space, Add</i>	27.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.37	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1023 EA 1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	277.32	50.18
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.04	
<i>For Elevated Installation &gt;15' To 20', Add</i>	20.07	
<i>For Elevated Installation &gt;20' To 25', Add</i>	25.09	
<i>For Elevated Installation &gt;25' To 30', Add</i>	35.13	
<i>For Elevated Installation &gt;30' To 35', Add</i>	40.14	
<i>For Elevated Installation &gt;35' To 40', Add</i>	50.18	
<i>For Elevated Installation &gt;40', Add</i>	55.20	
<i>For Work In Restricted Working Space, Add</i>	30.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.11	
26 05 33 13-1024 EA 2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	374.44	58.74
<i>For Elevated Installation &gt;10' To 15', Add</i>	11.75	
<i>For Elevated Installation &gt;15' To 20', Add</i>	23.49	
<i>For Elevated Installation &gt;20' To 25', Add</i>	29.37	
<i>For Elevated Installation &gt;25' To 30', Add</i>	41.11	
<i>For Elevated Installation &gt;30' To 35', Add</i>	46.99	
<i>For Elevated Installation &gt;35' To 40', Add</i>	58.74	
<i>For Elevated Installation &gt;40', Add</i>	64.61	
<i>For Work In Restricted Working Space, Add</i>	35.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.24	
26 05 33 13-1025 EA 2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	605.16	85.53
<i>For Elevated Installation &gt;10' To 15', Add</i>	17.11	
<i>For Elevated Installation &gt;15' To 20', Add</i>	34.22	
<i>For Elevated Installation &gt;20' To 25', Add</i>	42.77	
<i>For Elevated Installation &gt;25' To 30', Add</i>	59.88	
<i>For Elevated Installation &gt;30' To 35', Add</i>	68.43	
<i>For Elevated Installation &gt;35' To 40', Add</i>	85.54	
<i>For Elevated Installation &gt;40', Add</i>	94.09	
<i>For Work In Restricted Working Space, Add</i>	51.32	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.32	
26 05 33 13-1026 EA 3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	801.64	111.20
<i>For Elevated Installation &gt;10' To 15', Add</i>	22.24	
<i>For Elevated Installation &gt;15' To 20', Add</i>	44.48	
<i>For Elevated Installation &gt;20' To 25', Add</i>	55.60	
<i>For Elevated Installation &gt;25' To 30', Add</i>	77.84	
<i>For Elevated Installation &gt;30' To 35', Add</i>	88.96	
<i>For Elevated Installation &gt;35' To 40', Add</i>	111.20	
<i>For Elevated Installation &gt;40', Add</i>	122.31	
<i>For Work In Restricted Working Space, Add</i>	66.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.72	
26 05 33 13-1027 EA 3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	1,106.28	136.86
<i>For Elevated Installation &gt;10' To 15', Add</i>	27.37	
<i>For Elevated Installation &gt;15' To 20', Add</i>	54.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	68.43	
<i>For Elevated Installation &gt;25' To 30', Add</i>	95.80	
<i>For Elevated Installation &gt;30' To 35', Add</i>	109.49	
<i>For Elevated Installation &gt;35' To 40', Add</i>	136.86	
<i>For Elevated Installation &gt;40', Add</i>	150.55	
<i>For Work In Restricted Working Space, Add</i>	82.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.12	
26 05 33 13-1028 EA 4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	1,232.84	164.80
<i>For Elevated Installation &gt;10' To 15', Add</i>	32.96	
<i>For Elevated Installation &gt;15' To 20', Add</i>	65.92	
<i>For Elevated Installation &gt;20' To 25', Add</i>	82.41	
<i>For Elevated Installation &gt;25' To 30', Add</i>	115.37	
<i>For Elevated Installation &gt;30' To 35', Add</i>	131.85	
<i>For Elevated Installation &gt;35' To 40', Add</i>	164.81	
<i>For Elevated Installation &gt;40', Add</i>	181.29	
<i>For Work In Restricted Working Space, Add</i>	98.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.89	
<b>26 05 33 13-1029 Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1030 EA 1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	27.51	3.42
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.68	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.37	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.71	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.39	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.74	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.42	
<i>For Elevated Installation &gt;40', Add</i>	3.76	
<i>For Work In Restricted Working Space, Add</i>	2.05	
26 05 33 13-1031 EA 3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	30.82	3.99
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.80	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.60	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.00	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.80	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.20	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.00	
<i>For Elevated Installation &gt;40', Add</i>	4.39	
<i>For Work In Restricted Working Space, Add</i>	2.40	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1032 EA 1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	40.21	5.14
For Elevated Installation >10' To 15', Add	1.03	
For Elevated Installation >15' To 20', Add	2.05	
For Elevated Installation >20' To 25', Add	2.57	
For Elevated Installation >25' To 30', Add	3.59	
For Elevated Installation >30' To 35', Add	4.10	
For Elevated Installation >35' To 40', Add	5.13	
For Elevated Installation >40', Add	5.64	
For Work In Restricted Working Space, Add	3.08	
26 05 33 13-1033 EA 1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined .....	51.82	6.27
For Elevated Installation >10' To 15', Add	1.26	
For Elevated Installation >15' To 20', Add	2.51	
For Elevated Installation >20' To 25', Add	3.14	
For Elevated Installation >25' To 30', Add	4.39	
For Elevated Installation >30' To 35', Add	5.02	
For Elevated Installation >35' To 40', Add	6.28	
For Elevated Installation >40', Add	6.90	
For Work In Restricted Working Space, Add	3.77	
26 05 33 13-1034 EA 1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined .....	57.90	7.41
For Elevated Installation >10' To 15', Add	1.48	
For Elevated Installation >15' To 20', Add	2.97	
For Elevated Installation >20' To 25', Add	3.71	
For Elevated Installation >25' To 30', Add	5.19	
For Elevated Installation >30' To 35', Add	5.93	
For Elevated Installation >35' To 40', Add	7.42	
For Elevated Installation >40', Add	8.16	
For Work In Restricted Working Space, Add	4.45	
26 05 33 13-1035 EA 2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	71.85	8.56
For Elevated Installation >10' To 15', Add	1.71	
For Elevated Installation >15' To 20', Add	3.42	
For Elevated Installation >20' To 25', Add	4.28	
For Elevated Installation >25' To 30', Add	5.99	
For Elevated Installation >30' To 35', Add	6.84	
For Elevated Installation >35' To 40', Add	8.55	
For Elevated Installation >40', Add	9.41	
For Work In Restricted Working Space, Add	5.13	
26 05 33 13-1036 EA 2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined .....	93.41	9.69
For Elevated Installation >10' To 15', Add	1.94	
For Elevated Installation >15' To 20', Add	3.88	
For Elevated Installation >20' To 25', Add	4.85	
For Elevated Installation >25' To 30', Add	6.79	
For Elevated Installation >30' To 35', Add	7.76	
For Elevated Installation >35' To 40', Add	9.70	
For Elevated Installation >40', Add	10.66	
For Work In Restricted Working Space, Add	5.82	
26 05 33 13-1037 EA 3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	101.39	13.68
For Elevated Installation >10' To 15', Add	2.74	
For Elevated Installation >15' To 20', Add	5.47	
For Elevated Installation >20' To 25', Add	6.84	
For Elevated Installation >25' To 30', Add	9.58	
For Elevated Installation >30' To 35', Add	10.95	
For Elevated Installation >35' To 40', Add	13.69	
For Elevated Installation >40', Add	15.05	
For Work In Restricted Working Space, Add	8.21	
26 05 33 13-1038 EA 3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined .....	123.61	15.40
For Elevated Installation >10' To 15', Add	3.08	
For Elevated Installation >15' To 20', Add	6.16	
For Elevated Installation >20' To 25', Add	7.70	
For Elevated Installation >25' To 30', Add	10.78	
For Elevated Installation >30' To 35', Add	12.32	
For Elevated Installation >35' To 40', Add	15.40	
For Elevated Installation >40', Add	16.93	
For Work In Restricted Working Space, Add	9.24	
26 05 33 13-1039 EA 4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	131.59	19.39
For Elevated Installation >10' To 15', Add	3.88	
For Elevated Installation >15' To 20', Add	7.75	
For Elevated Installation >20' To 25', Add	9.69	
For Elevated Installation >25' To 30', Add	13.57	
For Elevated Installation >30' To 35', Add	15.51	
For Elevated Installation >35' To 40', Add	19.39	
For Elevated Installation >40', Add	21.32	
For Work In Restricted Working Space, Add	11.63	
<b>26 05 33 13-1040 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies (26 05 33 13-0826)</b>		
26 05 33 13-1041 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	128.70	27.37
For Elevated Installation >10' To 15', Add	5.48	
For Elevated Installation >15' To 20', Add	10.95	
For Elevated Installation >20' To 25', Add	13.69	
For Elevated Installation >25' To 30', Add	19.16	
For Elevated Installation >30' To 35', Add	21.90	
For Elevated Installation >35' To 40', Add	27.38	
For Elevated Installation >40', Add	30.11	
For Work In Restricted Working Space, Add	16.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1042 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	142.26	31.36
For Elevated Installation >10' To 15', Add	6.27	
For Elevated Installation >15' To 20', Add	12.55	
For Elevated Installation >20' To 25', Add	15.68	
For Elevated Installation >25' To 30', Add	21.96	
For Elevated Installation >30' To 35', Add	25.09	
For Elevated Installation >35' To 40', Add	31.37	
For Elevated Installation >40', Add	34.50	
For Work In Restricted Working Space, Add	18.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.82	
26 05 33 13-1043 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	166.33	35.93
For Elevated Installation >10' To 15', Add	7.19	
For Elevated Installation >15' To 20', Add	14.37	
For Elevated Installation >20' To 25', Add	17.96	
For Elevated Installation >25' To 30', Add	25.15	
For Elevated Installation >30' To 35', Add	28.74	
For Elevated Installation >35' To 40', Add	35.93	
For Elevated Installation >40', Add	39.52	
For Work In Restricted Working Space, Add	21.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.56	
26 05 33 13-1044 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body .....	197.69	41.62
For Elevated Installation >10' To 15', Add	8.33	
For Elevated Installation >15' To 20', Add	16.65	
For Elevated Installation >20' To 25', Add	20.82	
For Elevated Installation >25' To 30', Add	29.14	
For Elevated Installation >30' To 35', Add	33.30	
For Elevated Installation >35' To 40', Add	41.63	
For Elevated Installation >40', Add	45.79	
For Work In Restricted Working Space, Add	24.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.98	
26 05 33 13-1045 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body .....	247.65	45.62
For Elevated Installation >10' To 15', Add	9.12	
For Elevated Installation >15' To 20', Add	18.25	
For Elevated Installation >20' To 25', Add	22.81	
For Elevated Installation >25' To 30', Add	31.93	
For Elevated Installation >30' To 35', Add	36.50	
For Elevated Installation >35' To 40', Add	45.62	
For Elevated Installation >40', Add	50.18	
For Work In Restricted Working Space, Add	27.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.37	
26 05 33 13-1046 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	300.27	54.75
For Elevated Installation >10' To 15', Add	10.95	
For Elevated Installation >15' To 20', Add	21.90	
For Elevated Installation >20' To 25', Add	27.37	
For Elevated Installation >25' To 30', Add	38.32	
For Elevated Installation >30' To 35', Add	43.80	
For Elevated Installation >35' To 40', Add	54.75	
For Elevated Installation >40', Add	60.22	
For Work In Restricted Working Space, Add	32.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.85	
26 05 33 13-1047 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body .....	435.43	76.99
For Elevated Installation >10' To 15', Add	15.40	
For Elevated Installation >15' To 20', Add	30.79	
For Elevated Installation >20' To 25', Add	38.49	
For Elevated Installation >25' To 30', Add	53.89	
For Elevated Installation >30' To 35', Add	61.59	
For Elevated Installation >35' To 40', Add	76.99	
For Elevated Installation >40', Add	84.68	
For Work In Restricted Working Space, Add	46.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.19	
26 05 33 13-1048 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	557.32	102.65
For Elevated Installation >10' To 15', Add	20.53	
For Elevated Installation >15' To 20', Add	41.06	
For Elevated Installation >20' To 25', Add	51.32	
For Elevated Installation >25' To 30', Add	71.85	
For Elevated Installation >30' To 35', Add	82.12	
For Elevated Installation >35' To 40', Add	102.65	
For Elevated Installation >40', Add	112.91	
For Work In Restricted Working Space, Add	61.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.59	
26 05 33 13-1049 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body .....	1,134.77	128.30
For Elevated Installation >10' To 15', Add	25.66	
For Elevated Installation >15' To 20', Add	51.32	
For Elevated Installation >20' To 25', Add	64.15	
For Elevated Installation >25' To 30', Add	89.81	
For Elevated Installation >30' To 35', Add	102.64	
For Elevated Installation >35' To 40', Add	128.31	
For Elevated Installation >40', Add	141.14	
For Work In Restricted Working Space, Add	76.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.98	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1050	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	1,669.94	156.25
			<i>For Elevated Installation &gt;10' To 15', Add</i>	31.25	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	62.50	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	78.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	109.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	125.00	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	156.25	
			<i>For Elevated Installation &gt;40', Add</i>	171.88	
			<i>For Work In Restricted Working Space, Add</i>	93.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.75	
<b>26 05 33 13-1051</b>			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1052	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	224.96	27.37
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.69	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.16	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	27.38	
			<i>For Elevated Installation &gt;40', Add</i>	30.11	
			<i>For Work In Restricted Working Space, Add</i>	16.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.43	
26 05 33 13-1053	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	241.78	31.36
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
			<i>For Elevated Installation &gt;40', Add</i>	34.50	
			<i>For Work In Restricted Working Space, Add</i>	18.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.82	
26 05 33 13-1054	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	276.07	35.93
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.37	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.96	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.15	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.74	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.93	
			<i>For Elevated Installation &gt;40', Add</i>	39.52	
			<i>For Work In Restricted Working Space, Add</i>	21.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.56	
26 05 33 13-1055	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body .....	308.68	41.62
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.65	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.82	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.14	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	41.63	
			<i>For Elevated Installation &gt;40', Add</i>	45.79	
			<i>For Work In Restricted Working Space, Add</i>	24.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.98	
26 05 33 13-1056	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body .....	375.42	45.62
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.12	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.81	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	31.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.50	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.62	
			<i>For Elevated Installation &gt;40', Add</i>	50.18	
			<i>For Work In Restricted Working Space, Add</i>	27.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.37	
26 05 33 13-1057	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	421.81	54.75
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	27.37	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	38.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	43.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	54.75	
			<i>For Elevated Installation &gt;40', Add</i>	60.22	
			<i>For Work In Restricted Working Space, Add</i>	32.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.85	
26 05 33 13-1058	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body .....	593.46	76.99
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	30.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	38.49	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	53.89	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	61.59	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	76.99	
			<i>For Elevated Installation &gt;40', Add</i>	84.68	
			<i>For Work In Restricted Working Space, Add</i>	46.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1059 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body .....	827.94	102.65
For Elevated Installation >10' To 15', Add	20.53	
For Elevated Installation >15' To 20', Add	41.06	
For Elevated Installation >20' To 25', Add	51.32	
For Elevated Installation >25' To 30', Add	71.85	
For Elevated Installation >30' To 35', Add	82.12	
For Elevated Installation >35' To 40', Add	102.65	
For Elevated Installation >40', Add	112.91	
For Work In Restricted Working Space, Add	61.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.59	
26 05 33 13-1060 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body .....	1,213.36	128.30
For Elevated Installation >10' To 15', Add	25.66	
For Elevated Installation >15' To 20', Add	51.32	
For Elevated Installation >20' To 25', Add	64.15	
For Elevated Installation >25' To 30', Add	89.81	
For Elevated Installation >30' To 35', Add	102.64	
For Elevated Installation >35' To 40', Add	128.31	
For Elevated Installation >40', Add	141.14	
For Work In Restricted Working Space, Add	76.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.98	
26 05 33 13-1061 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body .....	1,772.79	156.25
For Elevated Installation >10' To 15', Add	31.25	
For Elevated Installation >15' To 20', Add	62.50	
For Elevated Installation >20' To 25', Add	78.13	
For Elevated Installation >25' To 30', Add	109.38	
For Elevated Installation >30' To 35', Add	125.00	
For Elevated Installation >35' To 40', Add	156.25	
For Elevated Installation >40', Add	171.88	
For Work In Restricted Working Space, Add	93.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.75	
<b>26 05 33 13-1062 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1063 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body .....	178.62	27.37
For Elevated Installation >10' To 15', Add	5.48	
For Elevated Installation >15' To 20', Add	10.95	
For Elevated Installation >20' To 25', Add	13.69	
For Elevated Installation >25' To 30', Add	19.16	
For Elevated Installation >30' To 35', Add	21.90	
For Elevated Installation >35' To 40', Add	27.38	
For Elevated Installation >40', Add	30.11	
For Work In Restricted Working Space, Add	16.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.43	
26 05 33 13-1064 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body .....	189.89	31.36
For Elevated Installation >10' To 15', Add	6.27	
For Elevated Installation >15' To 20', Add	12.55	
For Elevated Installation >20' To 25', Add	15.68	
For Elevated Installation >25' To 30', Add	21.96	
For Elevated Installation >30' To 35', Add	25.09	
For Elevated Installation >35' To 40', Add	31.37	
For Elevated Installation >40', Add	34.50	
For Work In Restricted Working Space, Add	18.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.82	
26 05 33 13-1065 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body .....	218.19	35.93
For Elevated Installation >10' To 15', Add	7.19	
For Elevated Installation >15' To 20', Add	14.37	
For Elevated Installation >20' To 25', Add	17.96	
For Elevated Installation >25' To 30', Add	25.15	
For Elevated Installation >30' To 35', Add	28.74	
For Elevated Installation >35' To 40', Add	35.93	
For Elevated Installation >40', Add	39.52	
For Work In Restricted Working Space, Add	21.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.56	
26 05 33 13-1066 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body .....	243.04	41.62
For Elevated Installation >10' To 15', Add	8.33	
For Elevated Installation >15' To 20', Add	16.65	
For Elevated Installation >20' To 25', Add	20.82	
For Elevated Installation >25' To 30', Add	29.14	
For Elevated Installation >30' To 35', Add	33.30	
For Elevated Installation >35' To 40', Add	41.63	
For Elevated Installation >40', Add	45.79	
For Work In Restricted Working Space, Add	24.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.98	
26 05 33 13-1067 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body .....	337.20	45.62
For Elevated Installation >10' To 15', Add	9.12	
For Elevated Installation >15' To 20', Add	18.25	
For Elevated Installation >20' To 25', Add	22.81	
For Elevated Installation >25' To 30', Add	31.93	
For Elevated Installation >30' To 35', Add	36.50	
For Elevated Installation >35' To 40', Add	45.62	
For Elevated Installation >40', Add	50.18	
For Work In Restricted Working Space, Add	27.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.37	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1068	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	424.12	54.75
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	27.37	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	38.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	43.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	54.75	
			<i>For Elevated Installation &gt;40', Add</i>	60.22	
			<i>For Work In Restricted Working Space, Add</i>	32.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.85	
26 05 33 13-1069	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body .....	660.66	76.99
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	30.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	38.49	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	53.89	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	61.59	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	76.99	
			<i>For Elevated Installation &gt;40', Add</i>	84.68	
			<i>For Work In Restricted Working Space, Add</i>	46.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.19	
26 05 33 13-1070	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	964.67	102.65
			<i>For Elevated Installation &gt;10' To 15', Add</i>	20.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	41.06	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	51.32	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	71.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	82.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	102.65	
			<i>For Elevated Installation &gt;40', Add</i>	112.91	
			<i>For Work In Restricted Working Space, Add</i>	61.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.59	
26 05 33 13-1071	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body .....	1,213.36	128.30
			<i>For Elevated Installation &gt;10' To 15', Add</i>	25.66	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	51.32	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	64.15	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	89.81	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	102.64	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	128.31	
			<i>For Elevated Installation &gt;40', Add</i>	141.14	
			<i>For Work In Restricted Working Space, Add</i>	76.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.98	
<b>26 05 33 13-1072 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies <small>(26 05 33 13-0626)</small></b>					
26 05 33 13-1073	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	238.56	27.37
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.69	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.16	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	27.38	
			<i>For Elevated Installation &gt;40', Add</i>	30.11	
			<i>For Work In Restricted Working Space, Add</i>	16.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.43	
26 05 33 13-1074	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	264.47	31.36
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
			<i>For Elevated Installation &gt;40', Add</i>	34.50	
			<i>For Work In Restricted Working Space, Add</i>	18.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.82	
26 05 33 13-1075	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	328.56	35.93
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.37	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.96	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.15	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.74	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.93	
			<i>For Elevated Installation &gt;40', Add</i>	39.52	
			<i>For Work In Restricted Working Space, Add</i>	21.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.56	
26 05 33 13-1076	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body .....	405.75	41.62
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.65	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.82	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.14	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	41.63	
			<i>For Elevated Installation &gt;40', Add</i>	45.79	
			<i>For Work In Restricted Working Space, Add</i>	24.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1077 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body .....	567.09	45.62
For Elevated Installation >10' To 15', Add	9.12	
For Elevated Installation >15' To 20', Add	18.25	
For Elevated Installation >20' To 25', Add	22.81	
For Elevated Installation >25' To 30', Add	31.93	
For Elevated Installation >30' To 35', Add	36.50	
For Elevated Installation >35' To 40', Add	45.62	
For Elevated Installation >40', Add	50.18	
For Work In Restricted Working Space, Add	27.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.37	
26 05 33 13-1078 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	679.63	54.75
For Elevated Installation >10' To 15', Add	10.95	
For Elevated Installation >15' To 20', Add	21.90	
For Elevated Installation >20' To 25', Add	27.37	
For Elevated Installation >25' To 30', Add	38.32	
For Elevated Installation >30' To 35', Add	43.80	
For Elevated Installation >35' To 40', Add	54.75	
For Elevated Installation >40', Add	60.22	
For Work In Restricted Working Space, Add	32.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.85	
<b>26 05 33 13-1079 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1080 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	44.45	10.97
For Elevated Installation >10' To 15', Add	2.19	
For Elevated Installation >15' To 20', Add	4.39	
For Elevated Installation >20' To 25', Add	5.48	
For Elevated Installation >25' To 30', Add	7.68	
For Elevated Installation >30' To 35', Add	8.77	
For Elevated Installation >35' To 40', Add	10.97	
For Elevated Installation >40', Add	12.06	
For Work In Restricted Working Space, Add	6.58	
26 05 33 13-1081 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	59.31	13.16
For Elevated Installation >10' To 15', Add	2.63	
For Elevated Installation >15' To 20', Add	5.26	
For Elevated Installation >20' To 25', Add	6.58	
For Elevated Installation >25' To 30', Add	9.21	
For Elevated Installation >30' To 35', Add	10.52	
For Elevated Installation >35' To 40', Add	13.16	
For Elevated Installation >40', Add	14.47	
For Work In Restricted Working Space, Add	7.89	
26 05 33 13-1082 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	75.15	17.55
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.02	
For Elevated Installation >20' To 25', Add	8.77	
For Elevated Installation >25' To 30', Add	12.28	
For Elevated Installation >30' To 35', Add	14.04	
For Elevated Installation >35' To 40', Add	17.55	
For Elevated Installation >40', Add	19.30	
For Work In Restricted Working Space, Add	10.53	
26 05 33 13-1083 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	103.99	21.93
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.77	
For Elevated Installation >20' To 25', Add	10.97	
For Elevated Installation >25' To 30', Add	15.35	
For Elevated Installation >30' To 35', Add	17.54	
For Elevated Installation >35' To 40', Add	21.93	
For Elevated Installation >40', Add	24.12	
For Work In Restricted Working Space, Add	13.16	
26 05 33 13-1084 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	137.12	26.31
For Elevated Installation >10' To 15', Add	5.26	
For Elevated Installation >15' To 20', Add	10.53	
For Elevated Installation >20' To 25', Add	13.16	
For Elevated Installation >25' To 30', Add	18.42	
For Elevated Installation >30' To 35', Add	21.06	
For Elevated Installation >35' To 40', Add	26.32	
For Elevated Installation >40', Add	28.95	
For Work In Restricted Working Space, Add	15.79	
26 05 33 13-1085 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	240.03	30.71
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.28	
For Elevated Installation >20' To 25', Add	15.35	
For Elevated Installation >25' To 30', Add	21.49	
For Elevated Installation >30' To 35', Add	24.56	
For Elevated Installation >35' To 40', Add	30.71	
For Elevated Installation >40', Add	33.78	
For Work In Restricted Working Space, Add	18.42	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1086 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	351.40	35.09
For Elevated Installation >10' To 15', Add	7.02	
For Elevated Installation >15' To 20', Add	14.04	
For Elevated Installation >20' To 25', Add	17.55	
For Elevated Installation >25' To 30', Add	24.56	
For Elevated Installation >30' To 35', Add	28.07	
For Elevated Installation >35' To 40', Add	35.09	
For Elevated Installation >40', Add	38.60	
For Work In Restricted Working Space, Add	21.05	
26 05 33 13-1087 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	439.58	39.48
For Elevated Installation >10' To 15', Add	7.90	
For Elevated Installation >15' To 20', Add	15.79	
For Elevated Installation >20' To 25', Add	19.74	
For Elevated Installation >25' To 30', Add	27.63	
For Elevated Installation >30' To 35', Add	31.58	
For Elevated Installation >35' To 40', Add	39.48	
For Elevated Installation >40', Add	43.42	
For Work In Restricted Working Space, Add	23.69	
26 05 33 13-1088 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	614.31	46.06
For Elevated Installation >10' To 15', Add	9.21	
For Elevated Installation >15' To 20', Add	18.42	
For Elevated Installation >20' To 25', Add	23.03	
For Elevated Installation >25' To 30', Add	32.24	
For Elevated Installation >30' To 35', Add	36.85	
For Elevated Installation >35' To 40', Add	46.06	
For Elevated Installation >40', Add	50.67	
For Work In Restricted Working Space, Add	27.64	
26 05 33 13-1089 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	746.77	52.64
For Elevated Installation >10' To 15', Add	10.53	
For Elevated Installation >15' To 20', Add	21.06	
For Elevated Installation >20' To 25', Add	26.32	
For Elevated Installation >25' To 30', Add	36.85	
For Elevated Installation >30' To 35', Add	42.11	
For Elevated Installation >35' To 40', Add	52.64	
For Elevated Installation >40', Add	57.90	
For Work In Restricted Working Space, Add	31.58	
26 05 33 13-1090 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	1,195.46	83.35
For Elevated Installation >10' To 15', Add	16.67	
For Elevated Installation >15' To 20', Add	33.34	
For Elevated Installation >20' To 25', Add	41.67	
For Elevated Installation >25' To 30', Add	58.34	
For Elevated Installation >30' To 35', Add	66.67	
For Elevated Installation >35' To 40', Add	83.34	
For Elevated Installation >40', Add	91.67	
For Work In Restricted Working Space, Add	50.00	
26 05 33 13-1091 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	1,630.56	127.21
For Elevated Installation >10' To 15', Add	25.44	
For Elevated Installation >15' To 20', Add	50.88	
For Elevated Installation >20' To 25', Add	63.61	
For Elevated Installation >25' To 30', Add	89.05	
For Elevated Installation >30' To 35', Add	101.77	
For Elevated Installation >35' To 40', Add	127.21	
For Elevated Installation >40', Add	139.93	
For Work In Restricted Working Space, Add	76.33	
<b>26 05 33 13-1092 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1093 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	168.05	27.37
For Elevated Installation >10' To 15', Add	5.48	
For Elevated Installation >15' To 20', Add	10.95	
For Elevated Installation >20' To 25', Add	13.69	
For Elevated Installation >25' To 30', Add	19.16	
For Elevated Installation >30' To 35', Add	21.90	
For Elevated Installation >35' To 40', Add	27.38	
For Elevated Installation >40', Add	30.11	
For Work In Restricted Working Space, Add	16.43	
26 05 33 13-1094 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	199.24	30.23
For Elevated Installation >10' To 15', Add	6.04	
For Elevated Installation >15' To 20', Add	12.09	
For Elevated Installation >20' To 25', Add	15.11	
For Elevated Installation >25' To 30', Add	21.15	
For Elevated Installation >30' To 35', Add	24.18	
For Elevated Installation >35' To 40', Add	30.22	
For Elevated Installation >40', Add	33.24	
For Work In Restricted Working Space, Add	18.13	
26 05 33 13-1095 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	219.15	35.93
For Elevated Installation >10' To 15', Add	7.19	
For Elevated Installation >15' To 20', Add	14.37	
For Elevated Installation >20' To 25', Add	17.96	
For Elevated Installation >25' To 30', Add	25.15	
For Elevated Installation >30' To 35', Add	28.74	
For Elevated Installation >35' To 40', Add	35.93	
For Elevated Installation >40', Add	39.52	
For Work In Restricted Working Space, Add	21.56	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1096 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	317.66	41.62
For Elevated Installation >10' To 15', Add	8.33	
For Elevated Installation >15' To 20', Add	16.65	
For Elevated Installation >20' To 25', Add	20.82	
For Elevated Installation >25' To 30', Add	29.14	
For Elevated Installation >30' To 35', Add	33.30	
For Elevated Installation >35' To 40', Add	41.63	
For Elevated Installation >40', Add	45.79	
For Work In Restricted Working Space, Add	24.98	
26 05 33 13-1097 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	421.54	45.62
For Elevated Installation >10' To 15', Add	9.12	
For Elevated Installation >15' To 20', Add	18.25	
For Elevated Installation >20' To 25', Add	22.81	
For Elevated Installation >25' To 30', Add	31.93	
For Elevated Installation >30' To 35', Add	36.50	
For Elevated Installation >35' To 40', Add	45.62	
For Elevated Installation >40', Add	50.18	
For Work In Restricted Working Space, Add	27.37	
26 05 33 13-1098 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	453.51	54.75
For Elevated Installation >10' To 15', Add	10.95	
For Elevated Installation >15' To 20', Add	21.90	
For Elevated Installation >20' To 25', Add	27.37	
For Elevated Installation >25' To 30', Add	38.32	
For Elevated Installation >30' To 35', Add	43.80	
For Elevated Installation >35' To 40', Add	54.75	
For Elevated Installation >40', Add	60.22	
For Work In Restricted Working Space, Add	32.85	
26 05 33 13-1099 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,085.70	75.84
For Elevated Installation >10' To 15', Add	15.17	
For Elevated Installation >15' To 20', Add	30.34	
For Elevated Installation >20' To 25', Add	37.92	
For Elevated Installation >25' To 30', Add	53.09	
For Elevated Installation >30' To 35', Add	60.68	
For Elevated Installation >35' To 40', Add	75.85	
For Elevated Installation >40', Add	83.43	
For Work In Restricted Working Space, Add	45.51	
26 05 33 13-1100 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,139.53	102.65
For Elevated Installation >10' To 15', Add	20.53	
For Elevated Installation >15' To 20', Add	41.06	
For Elevated Installation >20' To 25', Add	51.33	
For Elevated Installation >25' To 30', Add	71.86	
For Elevated Installation >30' To 35', Add	82.12	
For Elevated Installation >35' To 40', Add	102.65	
For Elevated Installation >40', Add	112.92	
For Work In Restricted Working Space, Add	61.59	
26 05 33 13-1101 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,874.86	128.30
For Elevated Installation >10' To 15', Add	25.66	
For Elevated Installation >15' To 20', Add	51.32	
For Elevated Installation >20' To 25', Add	64.16	
For Elevated Installation >25' To 30', Add	89.82	
For Elevated Installation >30' To 35', Add	102.65	
For Elevated Installation >35' To 40', Add	128.31	
For Elevated Installation >40', Add	141.14	
For Work In Restricted Working Space, Add	76.99	
26 05 33 13-1102 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,946.45	156.25
For Elevated Installation >10' To 15', Add	31.25	
For Elevated Installation >15' To 20', Add	62.50	
For Elevated Installation >20' To 25', Add	78.13	
For Elevated Installation >25' To 30', Add	109.38	
For Elevated Installation >30' To 35', Add	125.01	
For Elevated Installation >35' To 40', Add	156.26	
For Elevated Installation >40', Add	171.89	
For Work In Restricted Working Space, Add	93.76	
<b>26 05 33 13-1103 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows</b> <small>(26 05 33 13-0626)</small>		
26 05 33 13-1104 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	248.68	27.37
For Elevated Installation >10' To 15', Add	5.48	
For Elevated Installation >15' To 20', Add	10.95	
For Elevated Installation >20' To 25', Add	13.69	
For Elevated Installation >25' To 30', Add	19.16	
For Elevated Installation >30' To 35', Add	21.90	
For Elevated Installation >35' To 40', Add	27.38	
For Elevated Installation >40', Add	30.11	
For Work In Restricted Working Space, Add	16.43	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1105	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	283.24	31.36
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
		<i>For Elevated Installation &gt;40', Add</i>	34.50	
		<i>For Work In Restricted Working Space, Add</i>	18.82	
26 05 33 13-1106	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	566.04	35.93
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.19	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.37	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.96	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	25.15	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.74	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.93	
		<i>For Elevated Installation &gt;40', Add</i>	39.52	
		<i>For Work In Restricted Working Space, Add</i>	21.56	
26 05 33 13-1107	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	592.71	41.62
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.33	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	16.65	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	20.82	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	29.14	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	33.30	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	41.63	
		<i>For Elevated Installation &gt;40', Add</i>	45.79	
		<i>For Work In Restricted Working Space, Add</i>	24.98	
26 05 33 13-1108	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	813.34	45.62
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.12	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	18.25	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	22.81	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	31.93	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	36.50	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	45.62	
		<i>For Elevated Installation &gt;40', Add</i>	50.18	
		<i>For Work In Restricted Working Space, Add</i>	27.37	
26 05 33 13-1109	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	865.84	54.75
		<i>For Elevated Installation &gt;10' To 15', Add</i>	10.95	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	21.90	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	27.37	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	38.32	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	43.80	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	54.75	
		<i>For Elevated Installation &gt;40', Add</i>	60.22	
		<i>For Work In Restricted Working Space, Add</i>	32.85	
26 05 33 13-1110	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	1,672.71	76.99
		<i>For Elevated Installation &gt;10' To 15', Add</i>	15.40	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	30.79	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	38.49	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	53.89	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	61.59	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	76.99	
		<i>For Elevated Installation &gt;40', Add</i>	84.68	
		<i>For Work In Restricted Working Space, Add</i>	46.19	
26 05 33 13-1111	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	1,754.05	102.65
		<i>For Elevated Installation &gt;10' To 15', Add</i>	20.53	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	41.06	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	51.32	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	71.85	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	82.12	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	102.65	
		<i>For Elevated Installation &gt;40', Add</i>	112.91	
		<i>For Work In Restricted Working Space, Add</i>	61.59	
26 05 33 13-1112	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	2,575.83	128.30
		<i>For Elevated Installation &gt;10' To 15', Add</i>	25.66	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	51.32	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	64.15	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	89.81	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	102.64	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	128.31	
		<i>For Elevated Installation &gt;40', Add</i>	141.14	
		<i>For Work In Restricted Working Space, Add</i>	76.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1113 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,913.64	156.25
For Elevated Installation >10' To 15', Add	31.25	
For Elevated Installation >15' To 20', Add	62.50	
For Elevated Installation >20' To 25', Add	78.13	
For Elevated Installation >25' To 30', Add	109.38	
For Elevated Installation >30' To 35', Add	125.00	
For Elevated Installation >35' To 40', Add	156.25	
For Elevated Installation >40', Add	171.88	
For Work In Restricted Working Space, Add	93.75	
<b>26 05 33 13-1114 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows <small>(26 05 33 13-0826)</small></b>		
26 05 33 13-1115 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow .....	94.34	14.26
For Elevated Installation >10' To 15', Add	2.85	
For Elevated Installation >15' To 20', Add	5.70	
For Elevated Installation >20' To 25', Add	7.13	
For Elevated Installation >25' To 30', Add	9.98	
For Elevated Installation >30' To 35', Add	11.40	
For Elevated Installation >35' To 40', Add	14.26	
For Elevated Installation >40', Add	15.68	
For Work In Restricted Working Space, Add	8.55	
26 05 33 13-1116 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow .....	109.47	17.68
For Elevated Installation >10' To 15', Add	3.54	
For Elevated Installation >15' To 20', Add	7.07	
For Elevated Installation >20' To 25', Add	8.84	
For Elevated Installation >25' To 30', Add	12.37	
For Elevated Installation >30' To 35', Add	14.14	
For Elevated Installation >35' To 40', Add	17.68	
For Elevated Installation >40', Add	19.44	
For Work In Restricted Working Space, Add	10.61	
26 05 33 13-1117 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow .....	130.25	21.67
For Elevated Installation >10' To 15', Add	4.33	
For Elevated Installation >15' To 20', Add	8.67	
For Elevated Installation >20' To 25', Add	10.84	
For Elevated Installation >25' To 30', Add	15.17	
For Elevated Installation >30' To 35', Add	17.34	
For Elevated Installation >35' To 40', Add	21.67	
For Elevated Installation >40', Add	23.84	
For Work In Restricted Working Space, Add	13.00	
26 05 33 13-1118 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow .....	153.89	25.09
For Elevated Installation >10' To 15', Add	5.02	
For Elevated Installation >15' To 20', Add	10.04	
For Elevated Installation >20' To 25', Add	12.55	
For Elevated Installation >25' To 30', Add	17.56	
For Elevated Installation >30' To 35', Add	20.07	
For Elevated Installation >35' To 40', Add	25.09	
For Elevated Installation >40', Add	27.60	
For Work In Restricted Working Space, Add	15.05	
<b>26 05 33 13-1119 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows <small>(26 05 33 13-0826)</small></b>		
26 05 33 13-1120 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	73.33	14.26
For Elevated Installation >10' To 15', Add	2.85	
For Elevated Installation >15' To 20', Add	5.70	
For Elevated Installation >20' To 25', Add	7.13	
For Elevated Installation >25' To 30', Add	9.98	
For Elevated Installation >30' To 35', Add	11.40	
For Elevated Installation >35' To 40', Add	14.26	
For Elevated Installation >40', Add	15.68	
For Work In Restricted Working Space, Add	8.55	
26 05 33 13-1121 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	84.26	17.68
For Elevated Installation >10' To 15', Add	3.54	
For Elevated Installation >15' To 20', Add	7.07	
For Elevated Installation >20' To 25', Add	8.84	
For Elevated Installation >25' To 30', Add	12.37	
For Elevated Installation >30' To 35', Add	14.14	
For Elevated Installation >35' To 40', Add	17.68	
For Elevated Installation >40', Add	19.44	
For Work In Restricted Working Space, Add	10.61	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-1122	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	117.97	21.67
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.33	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.67	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.84	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	15.17	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	17.34	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	21.67	
		<i>For Elevated Installation &gt;40', Add</i>	23.84	
		<i>For Work In Restricted Working Space, Add</i>	13.00	
26 05 33 13-1123	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	153.98	25.09
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.02	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.04	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.55	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.56	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	20.07	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	25.09	
		<i>For Elevated Installation &gt;40', Add</i>	27.60	
		<i>For Work In Restricted Working Space, Add</i>	15.05	
26 05 33 13-1124	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	188.29	28.51
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.70	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.40	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.26	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.96	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	22.81	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	28.51	
		<i>For Elevated Installation &gt;40', Add</i>	31.36	
		<i>For Work In Restricted Working Space, Add</i>	17.11	
26 05 33 13-1125	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	273.80	31.36
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
		<i>For Elevated Installation &gt;40', Add</i>	34.50	
		<i>For Work In Restricted Working Space, Add</i>	18.82	
26 05 33 13-1126	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	375.27	39.35
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.87	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.74	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.67	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.54	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	31.48	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	39.35	
		<i>For Elevated Installation &gt;40', Add</i>	43.28	
		<i>For Work In Restricted Working Space, Add</i>	23.61	

**26 05 33 13-1127 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows**

(26 05 33 13-0826)

26 05 33 13-1128	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	94.39	14.26
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.85	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.70	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.13	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.98	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.40	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	14.26	
		<i>For Elevated Installation &gt;40', Add</i>	15.68	
		<i>For Work In Restricted Working Space, Add</i>	8.55	
26 05 33 13-1129	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	112.38	17.68
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.54	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.07	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.84	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	12.37	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	14.14	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	17.68	
		<i>For Elevated Installation &gt;40', Add</i>	19.44	
		<i>For Work In Restricted Working Space, Add</i>	10.61	
26 05 33 13-1130	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	130.27	21.67
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.33	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.67	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.84	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	15.17	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	17.34	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	21.67	
		<i>For Elevated Installation &gt;40', Add</i>	23.84	
		<i>For Work In Restricted Working Space, Add</i>	13.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1131 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	153.94	25.09
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.02	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.04	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.55	
<i>For Elevated Installation &gt;25' To 30', Add</i>	17.56	
<i>For Elevated Installation &gt;30' To 35', Add</i>	20.07	
<i>For Elevated Installation &gt;35' To 40', Add</i>	25.09	
<i>For Elevated Installation &gt;40', Add</i>	27.60	
<i>For Work In Restricted Working Space, Add</i>	15.05	
<b>26 05 33 13-1132 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows <small>(26 05 33 13-0826)</small></b>		
26 05 33 13-1133 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	73.41	14.26
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.85	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.70	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.13	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.98	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.40	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.26	
<i>For Elevated Installation &gt;40', Add</i>	15.68	
<i>For Work In Restricted Working Space, Add</i>	8.55	
26 05 33 13-1134 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	84.26	17.68
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.54	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.07	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.84	
<i>For Elevated Installation &gt;25' To 30', Add</i>	12.37	
<i>For Elevated Installation &gt;30' To 35', Add</i>	14.14	
<i>For Elevated Installation &gt;35' To 40', Add</i>	17.68	
<i>For Elevated Installation &gt;40', Add</i>	19.44	
<i>For Work In Restricted Working Space, Add</i>	10.61	
26 05 33 13-1135 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	109.27	21.67
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.33	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.67	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.84	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.17	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.34	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.67	
<i>For Elevated Installation &gt;40', Add</i>	23.84	
<i>For Work In Restricted Working Space, Add</i>	13.00	
26 05 33 13-1136 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	137.09	25.09
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.02	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.04	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.55	
<i>For Elevated Installation &gt;25' To 30', Add</i>	17.56	
<i>For Elevated Installation &gt;30' To 35', Add</i>	20.07	
<i>For Elevated Installation &gt;35' To 40', Add</i>	25.09	
<i>For Elevated Installation &gt;40', Add</i>	27.60	
<i>For Work In Restricted Working Space, Add</i>	15.05	
26 05 33 13-1137 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	160.78	28.51
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.70	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.40	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.26	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	22.81	
<i>For Elevated Installation &gt;35' To 40', Add</i>	28.51	
<i>For Elevated Installation &gt;40', Add</i>	31.36	
<i>For Work In Restricted Working Space, Add</i>	17.11	
26 05 33 13-1138 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	185.66	31.36
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
<i>For Elevated Installation &gt;40', Add</i>	34.50	
<i>For Work In Restricted Working Space, Add</i>	18.82	
26 05 33 13-1139 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	352.80	39.35
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.67	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.54	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.48	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.35	
<i>For Elevated Installation &gt;40', Add</i>	43.28	
<i>For Work In Restricted Working Space, Add</i>	23.61	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1140	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	401.67	53.60
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	37.52	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.88	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	53.60	
			<i>For Elevated Installation &gt;40', Add</i>	58.96	
			<i>For Work In Restricted Working Space, Add</i>	32.16	
26 05 33 13-1141	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	432.55	60.44
			<i>For Elevated Installation &gt;10' To 15', Add</i>	12.09	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	24.18	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	30.23	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	42.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	48.36	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	60.45	
			<i>For Elevated Installation &gt;40', Add</i>	66.50	
			<i>For Work In Restricted Working Space, Add</i>	36.27	
26 05 33 13-1142	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	532.34	78.69
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.74	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	31.48	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	39.35	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	55.08	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	62.95	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	78.69	
			<i>For Elevated Installation &gt;40', Add</i>	86.56	
			<i>For Work In Restricted Working Space, Add</i>	47.21	
<b>26 05 33 13-1143 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows</b> <small>(26 05 33 13-0826)</small>					
26 05 33 13-1144	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....	154.44	27.37
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.69	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.16	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	27.38	
			<i>For Elevated Installation &gt;40', Add</i>	30.11	
			<i>For Work In Restricted Working Space, Add</i>	16.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.43	
26 05 33 13-1145	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....	166.34	31.36
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
			<i>For Elevated Installation &gt;40', Add</i>	34.50	
			<i>For Work In Restricted Working Space, Add</i>	18.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.82	
26 05 33 13-1146	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....	181.59	35.93
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.37	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.96	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.15	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.74	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.93	
			<i>For Elevated Installation &gt;40', Add</i>	39.52	
			<i>For Work In Restricted Working Space, Add</i>	21.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.56	
26 05 33 13-1147	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....	245.97	41.62
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.65	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.82	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.14	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	41.63	
			<i>For Elevated Installation &gt;40', Add</i>	45.79	
			<i>For Work In Restricted Working Space, Add</i>	24.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.98	
26 05 33 13-1148	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....	315.26	45.62
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.12	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.81	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	31.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.50	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.62	
			<i>For Elevated Installation &gt;40', Add</i>	50.18	
			<i>For Work In Restricted Working Space, Add</i>	27.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 33 13-1149 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1150 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	187.73	27.37
For Elevated Installation >10' To 15', Add	5.48	
For Elevated Installation >15' To 20', Add	10.95	
For Elevated Installation >20' To 25', Add	13.69	
For Elevated Installation >25' To 30', Add	19.16	
For Elevated Installation >30' To 35', Add	21.90	
For Elevated Installation >35' To 40', Add	27.38	
For Elevated Installation >40', Add	30.11	
For Work In Restricted Working Space, Add	16.43	
26 05 33 13-1151 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	201.67	31.36
For Elevated Installation >10' To 15', Add	6.27	
For Elevated Installation >15' To 20', Add	12.55	
For Elevated Installation >20' To 25', Add	15.68	
For Elevated Installation >25' To 30', Add	21.96	
For Elevated Installation >30' To 35', Add	25.09	
For Elevated Installation >35' To 40', Add	31.37	
For Elevated Installation >40', Add	34.50	
For Work In Restricted Working Space, Add	18.82	
26 05 33 13-1152 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	235.95	35.93
For Elevated Installation >10' To 15', Add	7.19	
For Elevated Installation >15' To 20', Add	14.37	
For Elevated Installation >20' To 25', Add	17.96	
For Elevated Installation >25' To 30', Add	25.15	
For Elevated Installation >30' To 35', Add	28.74	
For Elevated Installation >35' To 40', Add	35.93	
For Elevated Installation >40', Add	39.52	
For Work In Restricted Working Space, Add	21.56	
26 05 33 13-1153 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	340.33	41.62
For Elevated Installation >10' To 15', Add	8.33	
For Elevated Installation >15' To 20', Add	16.65	
For Elevated Installation >20' To 25', Add	20.82	
For Elevated Installation >25' To 30', Add	29.14	
For Elevated Installation >30' To 35', Add	33.30	
For Elevated Installation >35' To 40', Add	41.63	
For Elevated Installation >40', Add	45.79	
For Work In Restricted Working Space, Add	24.98	
26 05 33 13-1154 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	559.76	45.62
For Elevated Installation >10' To 15', Add	9.12	
For Elevated Installation >15' To 20', Add	18.25	
For Elevated Installation >20' To 25', Add	22.81	
For Elevated Installation >25' To 30', Add	31.93	
For Elevated Installation >30' To 35', Add	36.50	
For Elevated Installation >35' To 40', Add	45.62	
For Elevated Installation >40', Add	50.18	
For Work In Restricted Working Space, Add	27.37	
26 05 33 13-1155 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	603.13	54.75
For Elevated Installation >10' To 15', Add	10.95	
For Elevated Installation >15' To 20', Add	21.90	
For Elevated Installation >20' To 25', Add	27.37	
For Elevated Installation >25' To 30', Add	38.32	
For Elevated Installation >30' To 35', Add	43.80	
For Elevated Installation >35' To 40', Add	54.75	
For Elevated Installation >40', Add	60.22	
For Work In Restricted Working Space, Add	32.85	
<b>26 05 33 13-1156 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1157 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover .....	206.62	27.37
For Elevated Installation >10' To 15', Add	5.48	
For Elevated Installation >15' To 20', Add	10.95	
For Elevated Installation >20' To 25', Add	13.69	
For Elevated Installation >25' To 30', Add	19.16	
For Elevated Installation >30' To 35', Add	21.90	
For Elevated Installation >35' To 40', Add	27.38	
For Elevated Installation >40', Add	30.11	
For Work In Restricted Working Space, Add	16.43	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1158	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	233.18	31.36
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
		<i>For Elevated Installation &gt;40', Add</i>	34.50	
		<i>For Work In Restricted Working Space, Add</i>	18.82	
26 05 33 13-1159	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	253.93	35.93
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.19	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.37	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.96	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	25.15	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.74	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.93	
		<i>For Elevated Installation &gt;40', Add</i>	39.52	
		<i>For Work In Restricted Working Space, Add</i>	21.56	
26 05 33 13-1160	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	358.59	41.62
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.33	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	16.65	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	20.82	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	29.14	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	33.30	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	41.63	
		<i>For Elevated Installation &gt;40', Add</i>	45.79	
		<i>For Work In Restricted Working Space, Add</i>	24.98	
26 05 33 13-1161	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	603.33	45.62
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.12	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	18.25	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	22.81	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	31.93	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	36.50	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	45.62	
		<i>For Elevated Installation &gt;40', Add</i>	50.18	
		<i>For Work In Restricted Working Space, Add</i>	27.37	
26 05 33 13-1162	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	643.12	54.75
		<i>For Elevated Installation &gt;10' To 15', Add</i>	10.95	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	21.90	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	27.37	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	38.32	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	43.80	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	54.75	
		<i>For Elevated Installation &gt;40', Add</i>	60.22	
		<i>For Work In Restricted Working Space, Add</i>	32.85	
<b>26 05 33 13-1163 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0826)</small></b>				
26 05 33 13-1164	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	206.77	27.37
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.48	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.95	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	13.69	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.16	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	21.90	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	27.38	
		<i>For Elevated Installation &gt;40', Add</i>	30.11	
		<i>For Work In Restricted Working Space, Add</i>	16.43	
26 05 33 13-1165	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	227.60	31.36
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
		<i>For Elevated Installation &gt;40', Add</i>	34.50	
		<i>For Work In Restricted Working Space, Add</i>	18.82	
26 05 33 13-1166	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	271.28	35.93
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.19	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.37	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.96	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	25.15	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.74	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.93	
		<i>For Elevated Installation &gt;40', Add</i>	39.52	
		<i>For Work In Restricted Working Space, Add</i>	21.56	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1167 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover .....	372.51	41.62
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.33	
<i>For Elevated Installation &gt;15' To 20', Add</i>	16.65	
<i>For Elevated Installation &gt;20' To 25', Add</i>	20.82	
<i>For Elevated Installation &gt;25' To 30', Add</i>	29.14	
<i>For Elevated Installation &gt;30' To 35', Add</i>	33.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	41.63	
<i>For Elevated Installation &gt;40', Add</i>	45.79	
<i>For Work In Restricted Working Space, Add</i>	24.98	
26 05 33 13-1168 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover .....	624.10	45.62
<i>For Elevated Installation &gt;10' To 15', Add</i>	9.12	
<i>For Elevated Installation &gt;15' To 20', Add</i>	18.25	
<i>For Elevated Installation &gt;20' To 25', Add</i>	22.81	
<i>For Elevated Installation &gt;25' To 30', Add</i>	31.93	
<i>For Elevated Installation &gt;30' To 35', Add</i>	36.50	
<i>For Elevated Installation &gt;35' To 40', Add</i>	45.62	
<i>For Elevated Installation &gt;40', Add</i>	50.18	
<i>For Work In Restricted Working Space, Add</i>	27.37	
26 05 33 13-1169 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover .....	668.71	54.75
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.95	
<i>For Elevated Installation &gt;15' To 20', Add</i>	21.90	
<i>For Elevated Installation &gt;20' To 25', Add</i>	27.37	
<i>For Elevated Installation &gt;25' To 30', Add</i>	38.32	
<i>For Elevated Installation &gt;30' To 35', Add</i>	43.80	
<i>For Elevated Installation &gt;35' To 40', Add</i>	54.75	
<i>For Elevated Installation &gt;40', Add</i>	60.22	
<i>For Work In Restricted Working Space, Add</i>	32.85	
<b>26 05 33 13-1170 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0826)</small></b>		
26 05 33 13-1171 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover .....	259.06	27.37
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.48	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.95	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.69	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.16	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.90	
<i>For Elevated Installation &gt;35' To 40', Add</i>	27.38	
<i>For Elevated Installation &gt;40', Add</i>	30.11	
<i>For Work In Restricted Working Space, Add</i>	16.43	
26 05 33 13-1172 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover .....	285.74	31.36
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
<i>For Elevated Installation &gt;40', Add</i>	34.50	
<i>For Work In Restricted Working Space, Add</i>	18.82	
26 05 33 13-1173 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover .....	309.09	35.93
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.19	
<i>For Elevated Installation &gt;15' To 20', Add</i>	14.37	
<i>For Elevated Installation &gt;20' To 25', Add</i>	17.96	
<i>For Elevated Installation &gt;25' To 30', Add</i>	25.15	
<i>For Elevated Installation &gt;30' To 35', Add</i>	28.74	
<i>For Elevated Installation &gt;35' To 40', Add</i>	35.93	
<i>For Elevated Installation &gt;40', Add</i>	39.52	
<i>For Work In Restricted Working Space, Add</i>	21.56	
26 05 33 13-1174 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover .....	795.17	41.62
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.33	
<i>For Elevated Installation &gt;15' To 20', Add</i>	16.65	
<i>For Elevated Installation &gt;20' To 25', Add</i>	20.82	
<i>For Elevated Installation &gt;25' To 30', Add</i>	29.14	
<i>For Elevated Installation &gt;30' To 35', Add</i>	33.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	41.63	
<i>For Elevated Installation &gt;40', Add</i>	45.79	
<i>For Work In Restricted Working Space, Add</i>	24.98	

**26 05 33 13-1175 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes (26 05 33 13-0826)**  
 Note: Excludes cover.

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1176	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box ..... 119.62		27.37
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.69	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.16	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	27.38	
			<i>For Elevated Installation &gt;40', Add</i>	30.11	
			<i>For Work In Restricted Working Space, Add</i>	16.43	
26 05 33 13-1177	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box ..... 131.11		31.36
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
			<i>For Elevated Installation &gt;40', Add</i>	34.50	
			<i>For Work In Restricted Working Space, Add</i>	18.82	
26 05 33 13-1178	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box ..... 146.09		35.93
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.37	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.96	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.15	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.74	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.93	
			<i>For Elevated Installation &gt;40', Add</i>	39.52	
			<i>For Work In Restricted Working Space, Add</i>	21.56	
26 05 33 13-1179	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box ..... 133.80		27.37
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.69	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.16	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	27.38	
			<i>For Elevated Installation &gt;40', Add</i>	30.11	
			<i>For Work In Restricted Working Space, Add</i>	16.43	
26 05 33 13-1180	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box ..... 143.51		31.36
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
			<i>For Elevated Installation &gt;40', Add</i>	34.50	
			<i>For Work In Restricted Working Space, Add</i>	18.82	
26 05 33 13-1181	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box ..... 163.32		35.93
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.37	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.96	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.15	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.74	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.93	
			<i>For Elevated Installation &gt;40', Add</i>	39.52	
			<i>For Work In Restricted Working Space, Add</i>	21.56	
<b>26 05 33 13-1182 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes <small>(26 05 33 13-0826)</small></b>					
Note: Excludes cover.					
26 05 33 13-1183	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box ..... 126.32		27.37
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.69	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.16	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	27.38	
			<i>For Elevated Installation &gt;40', Add</i>	30.11	
			<i>For Work In Restricted Working Space, Add</i>	16.43	
26 05 33 13-1184	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box ..... 138.65		31.36
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
			<i>For Elevated Installation &gt;40', Add</i>	34.50	
			<i>For Work In Restricted Working Space, Add</i>	18.82	
26 05 33 13-1185	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box ..... 151.31		35.93
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.37	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.96	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.15	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.74	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.93	
			<i>For Elevated Installation &gt;40', Add</i>	39.52	
			<i>For Work In Restricted Working Space, Add</i>	21.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1186 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	143.39	27.37
For Elevated Installation >10' To 15', Add	5.48	
For Elevated Installation >15' To 20', Add	10.95	
For Elevated Installation >20' To 25', Add	13.69	
For Elevated Installation >25' To 30', Add	19.16	
For Elevated Installation >30' To 35', Add	21.90	
For Elevated Installation >35' To 40', Add	27.38	
For Elevated Installation >40', Add	30.11	
For Work In Restricted Working Space, Add	16.43	
26 05 33 13-1187 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	155.89	31.36
For Elevated Installation >10' To 15', Add	6.27	
For Elevated Installation >15' To 20', Add	12.55	
For Elevated Installation >20' To 25', Add	15.68	
For Elevated Installation >25' To 30', Add	21.96	
For Elevated Installation >30' To 35', Add	25.09	
For Elevated Installation >35' To 40', Add	31.37	
For Elevated Installation >40', Add	34.50	
For Work In Restricted Working Space, Add	18.82	
26 05 33 13-1188 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	176.06	35.93
For Elevated Installation >10' To 15', Add	7.19	
For Elevated Installation >15' To 20', Add	14.37	
For Elevated Installation >20' To 25', Add	17.96	
For Elevated Installation >25' To 30', Add	25.15	
For Elevated Installation >30' To 35', Add	28.74	
For Elevated Installation >35' To 40', Add	35.93	
For Elevated Installation >40', Add	39.52	
For Work In Restricted Working Space, Add	21.56	
<b>26 05 33 13-1189 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1190 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover .....	46.98	3.42
For Elevated Installation >10' To 15', Add	0.68	
For Elevated Installation >15' To 20', Add	1.37	
For Elevated Installation >20' To 25', Add	1.71	
For Elevated Installation >25' To 30', Add	2.39	
For Elevated Installation >30' To 35', Add	2.74	
For Elevated Installation >35' To 40', Add	3.42	
For Elevated Installation >40', Add	3.76	
For Work In Restricted Working Space, Add	2.05	
26 05 33 13-1191 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover.....	64.13	3.99
For Elevated Installation >10' To 15', Add	0.80	
For Elevated Installation >15' To 20', Add	1.60	
For Elevated Installation >20' To 25', Add	2.00	
For Elevated Installation >25' To 30', Add	2.80	
For Elevated Installation >30' To 35', Add	3.20	
For Elevated Installation >35' To 40', Add	4.00	
For Elevated Installation >40', Add	4.39	
For Work In Restricted Working Space, Add	2.40	
26 05 33 13-1192 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover.....	60.46	3.99
For Elevated Installation >10' To 15', Add	0.80	
For Elevated Installation >15' To 20', Add	1.60	
For Elevated Installation >20' To 25', Add	2.00	
For Elevated Installation >25' To 30', Add	2.80	
For Elevated Installation >30' To 35', Add	3.20	
For Elevated Installation >35' To 40', Add	4.00	
For Elevated Installation >40', Add	4.39	
For Work In Restricted Working Space, Add	2.40	
26 05 33 13-1193 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover.....	53.58	3.99
For Elevated Installation >10' To 15', Add	0.80	
For Elevated Installation >15' To 20', Add	1.60	
For Elevated Installation >20' To 25', Add	2.00	
For Elevated Installation >25' To 30', Add	2.80	
For Elevated Installation >30' To 35', Add	3.20	
For Elevated Installation >35' To 40', Add	4.00	
For Elevated Installation >40', Add	4.39	
For Work In Restricted Working Space, Add	2.40	
26 05 33 13-1194 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover.....	266.17	5.70
For Elevated Installation >10' To 15', Add	1.14	
For Elevated Installation >15' To 20', Add	2.28	
For Elevated Installation >20' To 25', Add	2.85	
For Elevated Installation >25' To 30', Add	3.99	
For Elevated Installation >30' To 35', Add	4.56	
For Elevated Installation >35' To 40', Add	5.71	
For Elevated Installation >40', Add	6.28	
For Work In Restricted Working Space, Add	3.42	
26 05 33 13-1195 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover.....	236.37	5.70
For Elevated Installation >10' To 15', Add	1.14	
For Elevated Installation >15' To 20', Add	2.28	
For Elevated Installation >20' To 25', Add	2.85	
For Elevated Installation >25' To 30', Add	3.99	
For Elevated Installation >30' To 35', Add	4.56	
For Elevated Installation >35' To 40', Add	5.71	
For Elevated Installation >40', Add	6.28	
For Work In Restricted Working Space, Add	3.42	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1196			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies</b> <small>(26 05 33 13-0826)</small> Note: Includes covers.		
26 05 33 13-1197	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	267.44	35.93
			For Elevated Installation >10' To 15', Add	7.19	
			For Elevated Installation >15' To 20', Add	14.37	
			For Elevated Installation >20' To 25', Add	17.96	
			For Elevated Installation >25' To 30', Add	25.15	
			For Elevated Installation >30' To 35', Add	28.74	
			For Elevated Installation >35' To 40', Add	35.93	
			For Elevated Installation >40', Add	39.52	
			For Work In Restricted Working Space, Add	21.56	
26 05 33 13-1198	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	299.95	41.62
			For Elevated Installation >10' To 15', Add	8.33	
			For Elevated Installation >15' To 20', Add	16.65	
			For Elevated Installation >20' To 25', Add	20.82	
			For Elevated Installation >25' To 30', Add	29.14	
			For Elevated Installation >30' To 35', Add	33.30	
			For Elevated Installation >35' To 40', Add	41.63	
			For Elevated Installation >40', Add	45.79	
			For Work In Restricted Working Space, Add	24.98	
26 05 33 13-1199	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	418.37	45.62
			For Elevated Installation >10' To 15', Add	9.12	
			For Elevated Installation >15' To 20', Add	18.25	
			For Elevated Installation >20' To 25', Add	22.81	
			For Elevated Installation >25' To 30', Add	31.93	
			For Elevated Installation >30' To 35', Add	36.50	
			For Elevated Installation >35' To 40', Add	45.62	
			For Elevated Installation >40', Add	50.18	
			For Work In Restricted Working Space, Add	27.37	
26 05 33 13-1200	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	498.39	54.75
			For Elevated Installation >10' To 15', Add	10.95	
			For Elevated Installation >15' To 20', Add	21.90	
			For Elevated Installation >20' To 25', Add	27.37	
			For Elevated Installation >25' To 30', Add	38.32	
			For Elevated Installation >30' To 35', Add	43.80	
			For Elevated Installation >35' To 40', Add	54.75	
			For Elevated Installation >40', Add	60.22	
			For Work In Restricted Working Space, Add	32.85	
26 05 33 13-1201	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	720.74	76.99
			For Elevated Installation >10' To 15', Add	15.40	
			For Elevated Installation >15' To 20', Add	30.79	
			For Elevated Installation >20' To 25', Add	38.49	
			For Elevated Installation >25' To 30', Add	53.89	
			For Elevated Installation >30' To 35', Add	61.59	
			For Elevated Installation >35' To 40', Add	76.99	
			For Elevated Installation >40', Add	84.68	
			For Work In Restricted Working Space, Add	46.19	
26 05 33 13-1202	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	907.47	102.65
			For Elevated Installation >10' To 15', Add	20.53	
			For Elevated Installation >15' To 20', Add	41.06	
			For Elevated Installation >20' To 25', Add	51.32	
			For Elevated Installation >25' To 30', Add	71.85	
			For Elevated Installation >30' To 35', Add	82.12	
			For Elevated Installation >35' To 40', Add	102.65	
			For Elevated Installation >40', Add	112.91	
			For Work In Restricted Working Space, Add	61.59	
26 05 33 13-1203	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	1,338.05	128.30
			For Elevated Installation >10' To 15', Add	25.66	
			For Elevated Installation >15' To 20', Add	51.32	
			For Elevated Installation >20' To 25', Add	64.15	
			For Elevated Installation >25' To 30', Add	89.81	
			For Elevated Installation >30' To 35', Add	102.64	
			For Elevated Installation >35' To 40', Add	128.31	
			For Elevated Installation >40', Add	141.14	
			For Work In Restricted Working Space, Add	76.98	
26 05 33 13-1204	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	1,661.32	156.25
			For Elevated Installation >10' To 15', Add	31.25	
			For Elevated Installation >15' To 20', Add	62.50	
			For Elevated Installation >20' To 25', Add	78.13	
			For Elevated Installation >25' To 30', Add	109.38	
			For Elevated Installation >30' To 35', Add	125.00	
			For Elevated Installation >35' To 40', Add	156.25	
			For Elevated Installation >40', Add	171.88	
			For Work In Restricted Working Space, Add	93.75	
26 05 33 13-1205	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	267.44	35.93
			For Elevated Installation >10' To 15', Add	7.19	
			For Elevated Installation >15' To 20', Add	14.37	
			For Elevated Installation >20' To 25', Add	17.96	
			For Elevated Installation >25' To 30', Add	25.15	
			For Elevated Installation >30' To 35', Add	28.74	
			For Elevated Installation >35' To 40', Add	35.93	
			For Elevated Installation >40', Add	39.52	
			For Work In Restricted Working Space, Add	21.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1206 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....	299.95	41.62
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.33	
<i>For Elevated Installation &gt;15' To 20', Add</i>	16.65	
<i>For Elevated Installation &gt;20' To 25', Add</i>	20.82	
<i>For Elevated Installation &gt;25' To 30', Add</i>	29.14	
<i>For Elevated Installation &gt;30' To 35', Add</i>	33.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	41.63	
<i>For Elevated Installation &gt;40', Add</i>	45.79	
<i>For Work In Restricted Working Space, Add</i>	24.98	
26 05 33 13-1207 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....	417.17	45.62
<i>For Elevated Installation &gt;10' To 15', Add</i>	9.12	
<i>For Elevated Installation &gt;15' To 20', Add</i>	18.25	
<i>For Elevated Installation &gt;20' To 25', Add</i>	22.81	
<i>For Elevated Installation &gt;25' To 30', Add</i>	31.93	
<i>For Elevated Installation &gt;30' To 35', Add</i>	36.50	
<i>For Elevated Installation &gt;35' To 40', Add</i>	45.62	
<i>For Elevated Installation &gt;40', Add</i>	50.18	
<i>For Work In Restricted Working Space, Add</i>	27.37	
26 05 33 13-1208 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....	486.25	54.75
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.95	
<i>For Elevated Installation &gt;15' To 20', Add</i>	21.90	
<i>For Elevated Installation &gt;20' To 25', Add</i>	27.37	
<i>For Elevated Installation &gt;25' To 30', Add</i>	38.32	
<i>For Elevated Installation &gt;30' To 35', Add</i>	43.80	
<i>For Elevated Installation &gt;35' To 40', Add</i>	54.75	
<i>For Elevated Installation &gt;40', Add</i>	60.22	
<i>For Work In Restricted Working Space, Add</i>	32.85	
26 05 33 13-1209 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....	731.92	76.99
<i>For Elevated Installation &gt;10' To 15', Add</i>	15.40	
<i>For Elevated Installation &gt;15' To 20', Add</i>	30.79	
<i>For Elevated Installation &gt;20' To 25', Add</i>	38.49	
<i>For Elevated Installation &gt;25' To 30', Add</i>	53.89	
<i>For Elevated Installation &gt;30' To 35', Add</i>	61.59	
<i>For Elevated Installation &gt;35' To 40', Add</i>	76.99	
<i>For Elevated Installation &gt;40', Add</i>	84.68	
<i>For Work In Restricted Working Space, Add</i>	46.19	
26 05 33 13-1210 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....	957.60	102.65
<i>For Elevated Installation &gt;10' To 15', Add</i>	20.53	
<i>For Elevated Installation &gt;15' To 20', Add</i>	41.06	
<i>For Elevated Installation &gt;20' To 25', Add</i>	51.32	
<i>For Elevated Installation &gt;25' To 30', Add</i>	71.85	
<i>For Elevated Installation &gt;30' To 35', Add</i>	82.12	
<i>For Elevated Installation &gt;35' To 40', Add</i>	102.65	
<i>For Elevated Installation &gt;40', Add</i>	112.91	
<i>For Work In Restricted Working Space, Add</i>	61.59	
26 05 33 13-1211 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....	1,398.57	128.30
<i>For Elevated Installation &gt;10' To 15', Add</i>	25.66	
<i>For Elevated Installation &gt;15' To 20', Add</i>	51.32	
<i>For Elevated Installation &gt;20' To 25', Add</i>	64.15	
<i>For Elevated Installation &gt;25' To 30', Add</i>	89.81	
<i>For Elevated Installation &gt;30' To 35', Add</i>	102.64	
<i>For Elevated Installation &gt;35' To 40', Add</i>	128.31	
<i>For Elevated Installation &gt;40', Add</i>	141.14	
<i>For Work In Restricted Working Space, Add</i>	76.98	
26 05 33 13-1212 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....	1,699.00	156.25
<i>For Elevated Installation &gt;10' To 15', Add</i>	31.25	
<i>For Elevated Installation &gt;15' To 20', Add</i>	62.50	
<i>For Elevated Installation &gt;20' To 25', Add</i>	78.13	
<i>For Elevated Installation &gt;25' To 30', Add</i>	109.38	
<i>For Elevated Installation &gt;30' To 35', Add</i>	125.00	
<i>For Elevated Installation &gt;35' To 40', Add</i>	156.25	
<i>For Elevated Installation &gt;40', Add</i>	171.88	
<i>For Work In Restricted Working Space, Add</i>	93.75	
26 05 33 13-1213 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....	267.44	35.93
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.19	
<i>For Elevated Installation &gt;15' To 20', Add</i>	14.37	
<i>For Elevated Installation &gt;20' To 25', Add</i>	17.96	
<i>For Elevated Installation &gt;25' To 30', Add</i>	25.15	
<i>For Elevated Installation &gt;30' To 35', Add</i>	28.74	
<i>For Elevated Installation &gt;35' To 40', Add</i>	35.93	
<i>For Elevated Installation &gt;40', Add</i>	39.52	
<i>For Work In Restricted Working Space, Add</i>	21.56	
26 05 33 13-1214 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....	299.95	41.62
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.33	
<i>For Elevated Installation &gt;15' To 20', Add</i>	16.65	
<i>For Elevated Installation &gt;20' To 25', Add</i>	20.82	
<i>For Elevated Installation &gt;25' To 30', Add</i>	29.14	
<i>For Elevated Installation &gt;30' To 35', Add</i>	33.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	41.63	
<i>For Elevated Installation &gt;40', Add</i>	45.79	
<i>For Work In Restricted Working Space, Add</i>	24.98	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1215	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....	417.17	45.62
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.12	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.81	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	31.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.50	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.62	
			<i>For Elevated Installation &gt;40', Add</i>	50.18	
			<i>For Work In Restricted Working Space, Add</i>	27.37	
26 05 33 13-1216	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	486.25	54.75
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	27.37	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	38.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	43.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	54.75	
			<i>For Elevated Installation &gt;40', Add</i>	60.22	
			<i>For Work In Restricted Working Space, Add</i>	32.85	
26 05 33 13-1217	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....	731.92	76.99
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	30.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	38.49	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	53.89	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	61.59	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	76.99	
			<i>For Elevated Installation &gt;40', Add</i>	84.68	
			<i>For Work In Restricted Working Space, Add</i>	46.19	
26 05 33 13-1218	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	957.60	102.65
			<i>For Elevated Installation &gt;10' To 15', Add</i>	20.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	41.06	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	51.32	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	71.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	82.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	102.65	
			<i>For Elevated Installation &gt;40', Add</i>	112.91	
			<i>For Work In Restricted Working Space, Add</i>	61.59	
26 05 33 13-1219	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....	1,398.57	128.30
			<i>For Elevated Installation &gt;10' To 15', Add</i>	25.66	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	51.32	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	64.15	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	89.81	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	102.64	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	128.31	
			<i>For Elevated Installation &gt;40', Add</i>	141.14	
			<i>For Work In Restricted Working Space, Add</i>	76.98	
26 05 33 13-1220	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	1,699.00	156.25
			<i>For Elevated Installation &gt;10' To 15', Add</i>	31.25	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	62.50	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	78.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	109.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	125.00	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	156.25	
			<i>For Elevated Installation &gt;40', Add</i>	171.88	
			<i>For Work In Restricted Working Space, Add</i>	93.75	
26 05 33 13-1221	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	267.44	35.93
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.37	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.96	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.15	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.74	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.93	
			<i>For Elevated Installation &gt;40', Add</i>	39.52	
			<i>For Work In Restricted Working Space, Add</i>	21.56	
26 05 33 13-1222	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	299.95	41.62
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.65	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.82	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.14	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	41.63	
			<i>For Elevated Installation &gt;40', Add</i>	45.79	
			<i>For Work In Restricted Working Space, Add</i>	24.98	
26 05 33 13-1223	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	418.37	45.62
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.12	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.81	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	31.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.50	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.62	
			<i>For Elevated Installation &gt;40', Add</i>	50.18	
			<i>For Work In Restricted Working Space, Add</i>	27.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1224 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	492.79	54.75
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.95	
<i>For Elevated Installation &gt;15' To 20', Add</i>	21.90	
<i>For Elevated Installation &gt;20' To 25', Add</i>	27.37	
<i>For Elevated Installation &gt;25' To 30', Add</i>	38.32	
<i>For Elevated Installation &gt;30' To 35', Add</i>	43.80	
<i>For Elevated Installation &gt;35' To 40', Add</i>	54.75	
<i>For Elevated Installation &gt;40', Add</i>	60.22	
<i>For Work In Restricted Working Space, Add</i>	32.85	
26 05 33 13-1225 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body .....	720.74	76.99
<i>For Elevated Installation &gt;10' To 15', Add</i>	15.40	
<i>For Elevated Installation &gt;15' To 20', Add</i>	30.79	
<i>For Elevated Installation &gt;20' To 25', Add</i>	38.49	
<i>For Elevated Installation &gt;25' To 30', Add</i>	53.89	
<i>For Elevated Installation &gt;30' To 35', Add</i>	61.59	
<i>For Elevated Installation &gt;35' To 40', Add</i>	76.99	
<i>For Elevated Installation &gt;40', Add</i>	84.68	
<i>For Work In Restricted Working Space, Add</i>	46.19	
26 05 33 13-1226 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	907.47	102.65
<i>For Elevated Installation &gt;10' To 15', Add</i>	20.53	
<i>For Elevated Installation &gt;15' To 20', Add</i>	41.06	
<i>For Elevated Installation &gt;20' To 25', Add</i>	51.32	
<i>For Elevated Installation &gt;25' To 30', Add</i>	71.85	
<i>For Elevated Installation &gt;30' To 35', Add</i>	82.12	
<i>For Elevated Installation &gt;35' To 40', Add</i>	102.65	
<i>For Elevated Installation &gt;40', Add</i>	112.91	
<i>For Work In Restricted Working Space, Add</i>	61.59	
26 05 33 13-1227 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body .....	1,338.05	128.30
<i>For Elevated Installation &gt;10' To 15', Add</i>	25.66	
<i>For Elevated Installation &gt;15' To 20', Add</i>	51.32	
<i>For Elevated Installation &gt;20' To 25', Add</i>	64.15	
<i>For Elevated Installation &gt;25' To 30', Add</i>	89.81	
<i>For Elevated Installation &gt;30' To 35', Add</i>	102.64	
<i>For Elevated Installation &gt;35' To 40', Add</i>	128.31	
<i>For Elevated Installation &gt;40', Add</i>	141.14	
<i>For Work In Restricted Working Space, Add</i>	76.98	
26 05 33 13-1228 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	1,677.01	156.25
<i>For Elevated Installation &gt;10' To 15', Add</i>	31.25	
<i>For Elevated Installation &gt;15' To 20', Add</i>	62.50	
<i>For Elevated Installation &gt;20' To 25', Add</i>	78.13	
<i>For Elevated Installation &gt;25' To 30', Add</i>	109.38	
<i>For Elevated Installation &gt;30' To 35', Add</i>	125.00	
<i>For Elevated Installation &gt;35' To 40', Add</i>	156.25	
<i>For Elevated Installation &gt;40', Add</i>	171.88	
<i>For Work In Restricted Working Space, Add</i>	93.75	
<b>26 05 33 13-1229 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers <small>(26 05 33 13-0826)</small></b>		
26 05 33 13-1230 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	137.69	5.14
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.03	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.05	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.57	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.59	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.10	
<i>For Elevated Installation &gt;35' To 40', Add</i>	5.13	
<i>For Elevated Installation &gt;40', Add</i>	5.64	
<i>For Work In Restricted Working Space, Add</i>	3.08	
26 05 33 13-1231 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	138.84	5.70
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.14	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.28	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.85	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.99	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.56	
<i>For Elevated Installation &gt;35' To 40', Add</i>	5.71	
<i>For Elevated Installation &gt;40', Add</i>	6.28	
<i>For Work In Restricted Working Space, Add</i>	3.42	
26 05 33 13-1232 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	196.30	7.99
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.60	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.19	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.99	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.59	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.39	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.99	
<i>For Elevated Installation &gt;40', Add</i>	8.78	
<i>For Work In Restricted Working Space, Add</i>	4.79	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1233	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	198.58	9.12
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.83	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.65	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.56	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.13	
			<i>For Elevated Installation &gt;40', Add</i>	10.04	
			<i>For Work In Restricted Working Space, Add</i>	5.48	
26 05 33 13-1234	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	348.89	10.83
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.17	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.33	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.42	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.58	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.67	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.84	
			<i>For Elevated Installation &gt;40', Add</i>	11.92	
			<i>For Work In Restricted Working Space, Add</i>	6.50	
26 05 33 13-1235	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	354.59	13.68
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.74	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.47	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.84	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.58	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.95	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.69	
			<i>For Elevated Installation &gt;40', Add</i>	15.05	
			<i>For Work In Restricted Working Space, Add</i>	8.21	
26 05 33 13-1236	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	536.01	15.40
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.70	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.78	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.40	
			<i>For Elevated Installation &gt;40', Add</i>	16.93	
			<i>For Work In Restricted Working Space, Add</i>	9.24	
26 05 33 13-1237	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	545.14	19.95
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.99	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.98	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.98	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.97	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.97	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.96	
			<i>For Elevated Installation &gt;40', Add</i>	21.96	
			<i>For Work In Restricted Working Space, Add</i>	11.98	
<b>26 05 33 13-1238</b>			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings</b> <small>(26 05 33 13-0626)</small>		
26 05 33 13-1239	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	235.11	14.26
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.85	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.70	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.98	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.26	
			<i>For Elevated Installation &gt;40', Add</i>	15.68	
			<i>For Work In Restricted Working Space, Add</i>	8.55	
26 05 33 13-1240	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	277.47	17.68
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.54	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.07	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.84	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.37	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.14	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.68	
			<i>For Elevated Installation &gt;40', Add</i>	19.44	
			<i>For Work In Restricted Working Space, Add</i>	10.61	
26 05 33 13-1241	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	328.17	21.67
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.84	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.17	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.67	
			<i>For Elevated Installation &gt;40', Add</i>	23.84	
			<i>For Work In Restricted Working Space, Add</i>	13.00	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1242 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	404.88	25.09
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.02	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.04	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.55	
<i>For Elevated Installation &gt;25' To 30', Add</i>	17.56	
<i>For Elevated Installation &gt;30' To 35', Add</i>	20.07	
<i>For Elevated Installation &gt;35' To 40', Add</i>	25.09	
<i>For Elevated Installation &gt;40', Add</i>	27.60	
<i>For Work In Restricted Working Space, Add</i>	15.05	
26 05 33 13-1243 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	543.11	28.51
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.70	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.40	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.26	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	22.81	
<i>For Elevated Installation &gt;35' To 40', Add</i>	28.51	
<i>For Elevated Installation &gt;40', Add</i>	31.36	
<i>For Work In Restricted Working Space, Add</i>	17.11	
26 05 33 13-1244 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	754.98	31.36
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
<i>For Elevated Installation &gt;40', Add</i>	34.50	
<i>For Work In Restricted Working Space, Add</i>	18.82	
26 05 33 13-1245 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,080.26	39.35
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.67	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.54	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.48	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.35	
<i>For Elevated Installation &gt;40', Add</i>	43.28	
<i>For Work In Restricted Working Space, Add</i>	23.61	
26 05 33 13-1246 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,341.49	53.60
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	21.44	
<i>For Elevated Installation &gt;20' To 25', Add</i>	26.80	
<i>For Elevated Installation &gt;25' To 30', Add</i>	37.52	
<i>For Elevated Installation &gt;30' To 35', Add</i>	42.88	
<i>For Elevated Installation &gt;35' To 40', Add</i>	53.60	
<i>For Elevated Installation &gt;40', Add</i>	58.96	
<i>For Work In Restricted Working Space, Add</i>	32.16	
26 05 33 13-1247 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,887.69	60.44
<i>For Elevated Installation &gt;10' To 15', Add</i>	12.09	
<i>For Elevated Installation &gt;15' To 20', Add</i>	24.18	
<i>For Elevated Installation &gt;20' To 25', Add</i>	30.23	
<i>For Elevated Installation &gt;25' To 30', Add</i>	42.32	
<i>For Elevated Installation &gt;30' To 35', Add</i>	48.36	
<i>For Elevated Installation &gt;35' To 40', Add</i>	60.45	
<i>For Elevated Installation &gt;40', Add</i>	66.50	
<i>For Work In Restricted Working Space, Add</i>	36.27	
26 05 33 13-1248 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	2,172.25	78.69
<i>For Elevated Installation &gt;10' To 15', Add</i>	15.74	
<i>For Elevated Installation &gt;15' To 20', Add</i>	31.48	
<i>For Elevated Installation &gt;20' To 25', Add</i>	39.35	
<i>For Elevated Installation &gt;25' To 30', Add</i>	55.08	
<i>For Elevated Installation &gt;30' To 35', Add</i>	62.95	
<i>For Elevated Installation &gt;35' To 40', Add</i>	78.69	
<i>For Elevated Installation &gt;40', Add</i>	86.56	
<i>For Work In Restricted Working Space, Add</i>	47.21	
<b>26 05 33 13-1249 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1250 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	376.64	14.26
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.85	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.70	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.13	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.98	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.40	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.26	
<i>For Elevated Installation &gt;40', Add</i>	15.68	
<i>For Work In Restricted Working Space, Add</i>	8.55	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 13-1251	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	390.05		17.68
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.54		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.07		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.84		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	12.37		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	14.14		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	17.68		
		<i>For Elevated Installation &gt;40', Add</i>	19.44		
		<i>For Work In Restricted Working Space, Add</i>	10.61		
26 05 33 13-1252	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	437.40		21.67
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.33		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.67		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.84		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	15.17		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	17.34		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	21.67		
		<i>For Elevated Installation &gt;40', Add</i>	23.84		
		<i>For Work In Restricted Working Space, Add</i>	13.00		
26 05 33 13-1253	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	529.71		25.09
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.02		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.04		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.55		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.56		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	20.07		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	25.09		
		<i>For Elevated Installation &gt;40', Add</i>	27.60		
		<i>For Work In Restricted Working Space, Add</i>	15.05		
26 05 33 13-1254	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	642.78		28.51
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.70		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.40		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.26		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.96		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	22.81		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	28.51		
		<i>For Elevated Installation &gt;40', Add</i>	31.36		
		<i>For Work In Restricted Working Space, Add</i>	17.11		
26 05 33 13-1255	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	823.60		31.36
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37		
		<i>For Elevated Installation &gt;40', Add</i>	34.50		
		<i>For Work In Restricted Working Space, Add</i>	18.82		
26 05 33 13-1256	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,218.48		39.35
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.87		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.74		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.67		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.54		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	31.48		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	39.35		
		<i>For Elevated Installation &gt;40', Add</i>	43.28		
		<i>For Work In Restricted Working Space, Add</i>	23.61		
26 05 33 13-1257	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,526.20		53.60
		<i>For Elevated Installation &gt;10' To 15', Add</i>	10.72		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	21.44		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	26.80		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	37.52		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	42.88		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	53.60		
		<i>For Elevated Installation &gt;40', Add</i>	58.96		
		<i>For Work In Restricted Working Space, Add</i>	32.16		
26 05 33 13-1258	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,947.32		60.44
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.09		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	24.18		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	30.23		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	42.32		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	48.36		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	60.45		
		<i>For Elevated Installation &gt;40', Add</i>	66.50		
		<i>For Work In Restricted Working Space, Add</i>	36.27		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1259 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	2,436.34	78.69
<i>For Elevated Installation &gt;10' To 15', Add</i>	15.74	
<i>For Elevated Installation &gt;15' To 20', Add</i>	31.48	
<i>For Elevated Installation &gt;20' To 25', Add</i>	39.35	
<i>For Elevated Installation &gt;25' To 30', Add</i>	55.08	
<i>For Elevated Installation &gt;30' To 35', Add</i>	62.95	
<i>For Elevated Installation &gt;35' To 40', Add</i>	78.69	
<i>For Elevated Installation &gt;40', Add</i>	86.56	
<i>For Work In Restricted Working Space, Add</i>	47.21	
<b>26 05 33 13-1260 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs <small>(26 05 33 13-0826)</small></b>		
26 05 33 13-1261 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	76.89	6.84
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.37	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.42	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.79	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.47	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.84	
<i>For Elevated Installation &gt;40', Add</i>	7.52	
<i>For Work In Restricted Working Space, Add</i>	4.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.10	
26 05 33 13-1262 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	82.98	8.56
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.71	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.42	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.28	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.99	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.84	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.55	
<i>For Elevated Installation &gt;40', Add</i>	9.41	
<i>For Work In Restricted Working Space, Add</i>	5.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.13	
26 05 33 13-1263 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	91.00	10.26
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.05	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.11	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.13	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.19	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.21	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.27	
<i>For Elevated Installation &gt;40', Add</i>	11.29	
<i>For Work In Restricted Working Space, Add</i>	6.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.16	
26 05 33 13-1264 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	102.62	12.55
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.51	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.02	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.27	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.78	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.04	
<i>For Elevated Installation &gt;35' To 40', Add</i>	12.55	
<i>For Elevated Installation &gt;40', Add</i>	13.80	
<i>For Work In Restricted Working Space, Add</i>	7.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.53	
26 05 33 13-1265 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	138.95	14.26
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.85	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.70	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.13	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.98	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.40	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.26	
<i>For Elevated Installation &gt;40', Add</i>	15.68	
<i>For Work In Restricted Working Space, Add</i>	8.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.55	
26 05 33 13-1266 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	170.29	15.97
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.19	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.39	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.98	
<i>For Elevated Installation &gt;25' To 30', Add</i>	11.18	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.77	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.97	
<i>For Elevated Installation &gt;40', Add</i>	17.56	
<i>For Work In Restricted Working Space, Add</i>	9.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.58	
26 05 33 13-1267 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	244.79	19.95
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.99	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.98	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.98	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.97	
<i>For Elevated Installation &gt;30' To 35', Add</i>	15.97	
<i>For Elevated Installation &gt;35' To 40', Add</i>	19.96	
<i>For Elevated Installation &gt;40', Add</i>	21.96	
<i>For Work In Restricted Working Space, Add</i>	11.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.98	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1268	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....319.30		26.81
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.40	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.44	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.80	
			<i>For Elevated Installation &gt;40', Add</i>	29.48	
			<i>For Work In Restricted Working Space, Add</i>	16.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.08	
26 05 33 13-1269	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....409.08		30.23
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.09	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.11	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.15	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.18	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.22	
			<i>For Elevated Installation &gt;40', Add</i>	33.24	
			<i>For Work In Restricted Working Space, Add</i>	18.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.13	
26 05 33 13-1270	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....514.04		39.35
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.87	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.67	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.48	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.35	
			<i>For Elevated Installation &gt;40', Add</i>	43.28	
			<i>For Work In Restricted Working Space, Add</i>	23.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.61	
26 05 33 13-1271	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....634.04		63.86
			<i>For Elevated Installation &gt;10' To 15', Add</i>	12.77	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	25.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	31.94	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	44.71	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	51.10	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	63.87	
			<i>For Elevated Installation &gt;40', Add</i>	70.26	
			<i>For Work In Restricted Working Space, Add</i>	38.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.32	
26 05 33 13-1272	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....956.22		96.37
			<i>For Elevated Installation &gt;10' To 15', Add</i>	19.28	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	38.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	48.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	67.46	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	77.10	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	96.38	
			<i>For Elevated Installation &gt;40', Add</i>	106.01	
			<i>For Work In Restricted Working Space, Add</i>	57.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.83	
26 05 33 13-1273			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1274	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....117.10		6.84
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.37	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.42	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.79	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.47	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.84	
			<i>For Elevated Installation &gt;40', Add</i>	7.52	
			<i>For Work In Restricted Working Space, Add</i>	4.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.10	
26 05 33 13-1275	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....123.47		8.56
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.71	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.42	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.28	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.99	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.84	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.55	
			<i>For Elevated Installation &gt;40', Add</i>	9.41	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.13	
26 05 33 13-1276	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....132.38		10.26
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.05	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.19	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.21	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.27	
			<i>For Elevated Installation &gt;40', Add</i>	11.29	
			<i>For Work In Restricted Working Space, Add</i>	6.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1277 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub ..... 150.88	150.88	12.55
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.51	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.02	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.27	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.78	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.04	
<i>For Elevated Installation &gt;35' To 40', Add</i>	12.55	
<i>For Elevated Installation &gt;40', Add</i>	13.80	
<i>For Work In Restricted Working Space, Add</i>	7.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.53	
26 05 33 13-1278 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub ..... 161.73	161.73	14.26
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.85	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.70	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.13	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.98	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.40	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.26	
<i>For Elevated Installation &gt;40', Add</i>	15.68	
<i>For Work In Restricted Working Space, Add</i>	8.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.55	
26 05 33 13-1279 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... 182.98	182.98	15.97
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.19	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.39	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.98	
<i>For Elevated Installation &gt;25' To 30', Add</i>	11.18	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.77	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.97	
<i>For Elevated Installation &gt;40', Add</i>	17.56	
<i>For Work In Restricted Working Space, Add</i>	9.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.58	
26 05 33 13-1280 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub ..... 280.41	280.41	19.95
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.99	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.98	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.98	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.97	
<i>For Elevated Installation &gt;30' To 35', Add</i>	15.97	
<i>For Elevated Installation &gt;35' To 40', Add</i>	19.96	
<i>For Elevated Installation &gt;40', Add</i>	21.96	
<i>For Work In Restricted Working Space, Add</i>	11.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.98	
26 05 33 13-1281 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... 334.65	334.65	26.81
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.40	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.76	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.44	
<i>For Elevated Installation &gt;35' To 40', Add</i>	26.80	
<i>For Elevated Installation &gt;40', Add</i>	29.48	
<i>For Work In Restricted Working Space, Add</i>	16.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.08	
26 05 33 13-1282 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub ..... 412.40	412.40	30.23
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.04	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.09	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.11	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.15	
<i>For Elevated Installation &gt;30' To 35', Add</i>	24.18	
<i>For Elevated Installation &gt;35' To 40', Add</i>	30.22	
<i>For Elevated Installation &gt;40', Add</i>	33.24	
<i>For Work In Restricted Working Space, Add</i>	18.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.13	
26 05 33 13-1283 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... 535.46	535.46	39.35
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.67	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.54	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.48	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.35	
<i>For Elevated Installation &gt;40', Add</i>	43.28	
<i>For Work In Restricted Working Space, Add</i>	23.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.61	
26 05 33 13-1284 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... 832.08	832.08	63.86
<i>For Elevated Installation &gt;10' To 15', Add</i>	12.77	
<i>For Elevated Installation &gt;15' To 20', Add</i>	25.55	
<i>For Elevated Installation &gt;20' To 25', Add</i>	31.94	
<i>For Elevated Installation &gt;25' To 30', Add</i>	44.71	
<i>For Elevated Installation &gt;30' To 35', Add</i>	51.10	
<i>For Elevated Installation &gt;35' To 40', Add</i>	63.87	
<i>For Elevated Installation &gt;40', Add</i>	70.26	
<i>For Work In Restricted Working Space, Add</i>	38.32	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.32	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1285	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	1,364.34	96.37
			<i>For Elevated Installation &gt;10' To 15', Add</i>	19.28	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	38.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	48.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	67.46	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	77.10	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	96.38	
			<i>For Elevated Installation &gt;40', Add</i>	106.01	
			<i>For Work In Restricted Working Space, Add</i>	57.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.83	
<b>26 05 33 13-1286</b>			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1287	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	126.04	6.84
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.37	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.42	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.79	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.47	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.84	
			<i>For Elevated Installation &gt;40', Add</i>	7.52	
			<i>For Work In Restricted Working Space, Add</i>	4.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.10	
26 05 33 13-1288	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	131.96	8.56
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.71	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.42	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.28	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.99	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.84	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.55	
			<i>For Elevated Installation &gt;40', Add</i>	9.41	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.13	
26 05 33 13-1289	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub .....	141.25	10.26
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.05	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.19	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.21	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.27	
			<i>For Elevated Installation &gt;40', Add</i>	11.29	
			<i>For Work In Restricted Working Space, Add</i>	6.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.16	
26 05 33 13-1290	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub .....	177.80	12.55
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.51	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.02	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.27	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.78	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.55	
			<i>For Elevated Installation &gt;40', Add</i>	13.80	
			<i>For Work In Restricted Working Space, Add</i>	7.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.53	
26 05 33 13-1291	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub .....	194.23	14.26
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.85	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.70	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.98	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.26	
			<i>For Elevated Installation &gt;40', Add</i>	15.68	
			<i>For Work In Restricted Working Space, Add</i>	8.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.55	
26 05 33 13-1292	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub .....	205.41	15.97
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.98	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.18	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.97	
			<i>For Elevated Installation &gt;40', Add</i>	17.56	
			<i>For Work In Restricted Working Space, Add</i>	9.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.58	
<b>26 05 33 13-1293</b>			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions</b> <small>(26 05 33 13-0826)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1294 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	90.54	14.26
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.85	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.70	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.13	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.98	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.40	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.26	
<i>For Elevated Installation &gt;40', Add</i>	15.68	
<i>For Work In Restricted Working Space, Add</i>	8.55	
26 05 33 13-1295 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	98.51	17.68
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.54	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.07	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.84	
<i>For Elevated Installation &gt;25' To 30', Add</i>	12.37	
<i>For Elevated Installation &gt;30' To 35', Add</i>	14.14	
<i>For Elevated Installation &gt;35' To 40', Add</i>	17.68	
<i>For Elevated Installation &gt;40', Add</i>	19.44	
<i>For Work In Restricted Working Space, Add</i>	10.61	
26 05 33 13-1296 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	128.01	21.67
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.33	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.67	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.84	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.17	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.34	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.67	
<i>For Elevated Installation &gt;40', Add</i>	23.84	
<i>For Work In Restricted Working Space, Add</i>	13.00	
26 05 33 13-1297 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	186.45	25.09
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.02	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.04	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.55	
<i>For Elevated Installation &gt;25' To 30', Add</i>	17.56	
<i>For Elevated Installation &gt;30' To 35', Add</i>	20.07	
<i>For Elevated Installation &gt;35' To 40', Add</i>	25.09	
<i>For Elevated Installation &gt;40', Add</i>	27.60	
<i>For Work In Restricted Working Space, Add</i>	15.05	
26 05 33 13-1298 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	221.39	28.51
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.70	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.40	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.26	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	22.81	
<i>For Elevated Installation &gt;35' To 40', Add</i>	28.51	
<i>For Elevated Installation &gt;40', Add</i>	31.36	
<i>For Work In Restricted Working Space, Add</i>	17.11	
26 05 33 13-1299 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	281.78	31.36
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.27	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.55	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	25.09	
<i>For Elevated Installation &gt;35' To 40', Add</i>	31.37	
<i>For Elevated Installation &gt;40', Add</i>	34.50	
<i>For Work In Restricted Working Space, Add</i>	18.82	
26 05 33 13-1300 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	375.25	39.35
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.67	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.54	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.48	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.35	
<i>For Elevated Installation &gt;40', Add</i>	43.28	
<i>For Work In Restricted Working Space, Add</i>	23.61	
26 05 33 13-1301 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	487.53	39.35
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.67	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.54	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.48	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.35	
<i>For Elevated Installation &gt;40', Add</i>	43.28	
<i>For Work In Restricted Working Space, Add</i>	23.61	
26 05 33 13-1302 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	628.04	60.44
<i>For Elevated Installation &gt;10' To 15', Add</i>	12.09	
<i>For Elevated Installation &gt;15' To 20', Add</i>	24.18	
<i>For Elevated Installation &gt;20' To 25', Add</i>	30.23	
<i>For Elevated Installation &gt;25' To 30', Add</i>	42.32	
<i>For Elevated Installation &gt;30' To 35', Add</i>	48.36	
<i>For Elevated Installation &gt;35' To 40', Add</i>	60.45	
<i>For Elevated Installation &gt;40', Add</i>	66.50	
<i>For Work In Restricted Working Space, Add</i>	36.27	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1303 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	808.56	78.69
For Elevated Installation >10' To 15', Add	15.74	
For Elevated Installation >15' To 20', Add	31.48	
For Elevated Installation >20' To 25', Add	39.35	
For Elevated Installation >25' To 30', Add	55.08	
For Elevated Installation >30' To 35', Add	62.95	
For Elevated Installation >35' To 40', Add	78.69	
For Elevated Installation >40', Add	86.56	
For Work In Restricted Working Space, Add	47.21	
26 05 33 13-1304 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	1,473.74	128.30
For Elevated Installation >10' To 15', Add	25.66	
For Elevated Installation >15' To 20', Add	51.32	
For Elevated Installation >20' To 25', Add	64.15	
For Elevated Installation >25' To 30', Add	89.81	
For Elevated Installation >30' To 35', Add	102.64	
For Elevated Installation >35' To 40', Add	128.31	
For Elevated Installation >40', Add	141.14	
For Work In Restricted Working Space, Add	76.98	
26 05 33 13-1305 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	1,835.08	192.75
For Elevated Installation >10' To 15', Add	38.55	
For Elevated Installation >15' To 20', Add	77.10	
For Elevated Installation >20' To 25', Add	96.37	
For Elevated Installation >25' To 30', Add	134.92	
For Elevated Installation >30' To 35', Add	154.20	
For Elevated Installation >35' To 40', Add	192.75	
For Elevated Installation >40', Add	212.02	
For Work In Restricted Working Space, Add	115.65	
<b>26 05 33 13-1306 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions <small>(26 05 33 13-0826)</small></b>		
26 05 33 13-1307 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	92.63	14.26
For Elevated Installation >10' To 15', Add	2.85	
For Elevated Installation >15' To 20', Add	5.70	
For Elevated Installation >20' To 25', Add	7.13	
For Elevated Installation >25' To 30', Add	9.98	
For Elevated Installation >30' To 35', Add	11.40	
For Elevated Installation >35' To 40', Add	14.26	
For Elevated Installation >40', Add	15.68	
For Work In Restricted Working Space, Add	8.55	
26 05 33 13-1308 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	106.49	17.68
For Elevated Installation >10' To 15', Add	3.54	
For Elevated Installation >15' To 20', Add	7.07	
For Elevated Installation >20' To 25', Add	8.84	
For Elevated Installation >25' To 30', Add	12.37	
For Elevated Installation >30' To 35', Add	14.14	
For Elevated Installation >35' To 40', Add	17.68	
For Elevated Installation >40', Add	19.44	
For Work In Restricted Working Space, Add	10.61	
26 05 33 13-1309 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	132.27	21.67
For Elevated Installation >10' To 15', Add	4.33	
For Elevated Installation >15' To 20', Add	8.67	
For Elevated Installation >20' To 25', Add	10.84	
For Elevated Installation >25' To 30', Add	15.17	
For Elevated Installation >30' To 35', Add	17.34	
For Elevated Installation >35' To 40', Add	21.67	
For Elevated Installation >40', Add	23.84	
For Work In Restricted Working Space, Add	13.00	
26 05 33 13-1310 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	194.26	25.09
For Elevated Installation >10' To 15', Add	5.02	
For Elevated Installation >15' To 20', Add	10.04	
For Elevated Installation >20' To 25', Add	12.55	
For Elevated Installation >25' To 30', Add	17.56	
For Elevated Installation >30' To 35', Add	20.07	
For Elevated Installation >35' To 40', Add	25.09	
For Elevated Installation >40', Add	27.60	
For Work In Restricted Working Space, Add	15.05	
26 05 33 13-1311 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	232.23	28.51
For Elevated Installation >10' To 15', Add	5.70	
For Elevated Installation >15' To 20', Add	11.40	
For Elevated Installation >20' To 25', Add	14.26	
For Elevated Installation >25' To 30', Add	19.96	
For Elevated Installation >30' To 35', Add	22.81	
For Elevated Installation >35' To 40', Add	28.51	
For Elevated Installation >40', Add	31.36	
For Work In Restricted Working Space, Add	17.11	
26 05 33 13-1312 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	305.19	31.36
For Elevated Installation >10' To 15', Add	6.27	
For Elevated Installation >15' To 20', Add	12.55	
For Elevated Installation >20' To 25', Add	15.68	
For Elevated Installation >25' To 30', Add	21.96	
For Elevated Installation >30' To 35', Add	25.09	
For Elevated Installation >35' To 40', Add	31.37	
For Elevated Installation >40', Add	34.50	
For Work In Restricted Working Space, Add	18.82	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1313 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	425.33	39.35
For Elevated Installation >10' To 15', Add	7.87	
For Elevated Installation >15' To 20', Add	15.74	
For Elevated Installation >20' To 25', Add	19.67	
For Elevated Installation >25' To 30', Add	27.54	
For Elevated Installation >30' To 35', Add	31.48	
For Elevated Installation >35' To 40', Add	39.35	
For Elevated Installation >40', Add	43.28	
For Work In Restricted Working Space, Add	23.61	
26 05 33 13-1314 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	538.46	39.35
For Elevated Installation >10' To 15', Add	7.87	
For Elevated Installation >15' To 20', Add	15.74	
For Elevated Installation >20' To 25', Add	19.67	
For Elevated Installation >25' To 30', Add	27.54	
For Elevated Installation >30' To 35', Add	31.48	
For Elevated Installation >35' To 40', Add	39.35	
For Elevated Installation >40', Add	43.28	
For Work In Restricted Working Space, Add	23.61	
26 05 33 13-1315 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	720.12	60.44
For Elevated Installation >10' To 15', Add	12.09	
For Elevated Installation >15' To 20', Add	24.18	
For Elevated Installation >20' To 25', Add	30.23	
For Elevated Installation >25' To 30', Add	42.32	
For Elevated Installation >30' To 35', Add	48.36	
For Elevated Installation >35' To 40', Add	60.45	
For Elevated Installation >40', Add	66.50	
For Work In Restricted Working Space, Add	36.27	
26 05 33 13-1316 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	900.30	78.69
For Elevated Installation >10' To 15', Add	15.74	
For Elevated Installation >15' To 20', Add	31.48	
For Elevated Installation >20' To 25', Add	39.35	
For Elevated Installation >25' To 30', Add	55.08	
For Elevated Installation >30' To 35', Add	62.95	
For Elevated Installation >35' To 40', Add	78.69	
For Elevated Installation >40', Add	86.56	
For Work In Restricted Working Space, Add	47.21	
26 05 33 13-1317 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	1,641.91	128.30
For Elevated Installation >10' To 15', Add	25.66	
For Elevated Installation >15' To 20', Add	51.32	
For Elevated Installation >20' To 25', Add	64.15	
For Elevated Installation >25' To 30', Add	89.81	
For Elevated Installation >30' To 35', Add	102.64	
For Elevated Installation >35' To 40', Add	128.31	
For Elevated Installation >40', Add	141.14	
For Work In Restricted Working Space, Add	76.98	
26 05 33 13-1318 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	2,106.62	192.75
For Elevated Installation >10' To 15', Add	38.55	
For Elevated Installation >15' To 20', Add	77.10	
For Elevated Installation >20' To 25', Add	96.37	
For Elevated Installation >25' To 30', Add	134.92	
For Elevated Installation >30' To 35', Add	154.20	
For Elevated Installation >35' To 40', Add	192.75	
For Elevated Installation >40', Add	212.02	
For Work In Restricted Working Space, Add	115.65	
<b>26 05 33 13-1319 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1320 EA 3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	51.08	4.56
For Elevated Installation >10' To 15', Add	0.91	
For Elevated Installation >15' To 20', Add	1.82	
For Elevated Installation >20' To 25', Add	2.28	
For Elevated Installation >25' To 30', Add	3.19	
For Elevated Installation >30' To 35', Add	3.65	
For Elevated Installation >35' To 40', Add	4.56	
For Elevated Installation >40', Add	5.02	
For Work In Restricted Working Space, Add	2.74	
26 05 33 13-1321 EA 1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	55.90	5.70
For Elevated Installation >10' To 15', Add	1.14	
For Elevated Installation >15' To 20', Add	2.28	
For Elevated Installation >20' To 25', Add	2.85	
For Elevated Installation >25' To 30', Add	3.99	
For Elevated Installation >30' To 35', Add	4.56	
For Elevated Installation >35' To 40', Add	5.71	
For Elevated Installation >40', Add	6.28	
For Work In Restricted Working Space, Add	3.42	
26 05 33 13-1322 EA 1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	63.73	5.70
For Elevated Installation >10' To 15', Add	1.14	
For Elevated Installation >15' To 20', Add	2.28	
For Elevated Installation >20' To 25', Add	2.85	
For Elevated Installation >25' To 30', Add	3.99	
For Elevated Installation >30' To 35', Add	4.56	
For Elevated Installation >35' To 40', Add	5.71	
For Elevated Installation >40', Add	6.28	
For Work In Restricted Working Space, Add	3.42	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1323	EA		1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	78.92	6.27
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.25	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.51	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.14	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.02	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.27	
			<i>For Elevated Installation &gt;40', Add</i>	6.90	
			<i>For Work In Restricted Working Space, Add</i>	3.76	
26 05 33 13-1324	EA		1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	83.44	6.27
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.25	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.51	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.14	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.02	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.27	
			<i>For Elevated Installation &gt;40', Add</i>	6.90	
			<i>For Work In Restricted Working Space, Add</i>	3.76	
26 05 33 13-1325	EA		1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	71.24	7.41
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.19	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.93	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.42	
			<i>For Elevated Installation &gt;40', Add</i>	8.16	
			<i>For Work In Restricted Working Space, Add</i>	4.45	
26 05 33 13-1326	EA		1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	81.33	7.41
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.19	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.93	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.42	
			<i>For Elevated Installation &gt;40', Add</i>	8.16	
			<i>For Work In Restricted Working Space, Add</i>	4.45	
26 05 33 13-1327	EA		1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	126.73	7.41
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.19	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.93	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.42	
			<i>For Elevated Installation &gt;40', Add</i>	8.16	
			<i>For Work In Restricted Working Space, Add</i>	4.45	
26 05 33 13-1328	EA		2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	140.80	8.56
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.71	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.42	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.28	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.99	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.84	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.55	
			<i>For Elevated Installation &gt;40', Add</i>	9.41	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
26 05 33 13-1329	EA		2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	136.89	8.56
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.71	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.42	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.28	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.99	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.84	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.55	
			<i>For Elevated Installation &gt;40', Add</i>	9.41	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
26 05 33 13-1330	EA		2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	144.17	8.56
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.71	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.42	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.28	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.99	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.84	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.55	
			<i>For Elevated Installation &gt;40', Add</i>	9.41	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
26 05 33 13-1331	EA		2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	162.48	8.56
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.71	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.42	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.28	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.99	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.84	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.55	
			<i>For Elevated Installation &gt;40', Add</i>	9.41	
			<i>For Work In Restricted Working Space, Add</i>	5.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1332 EA 2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	160.99	10.26
For Elevated Installation >10' To 15', Add	2.05	
For Elevated Installation >15' To 20', Add	4.11	
For Elevated Installation >20' To 25', Add	5.13	
For Elevated Installation >25' To 30', Add	7.19	
For Elevated Installation >30' To 35', Add	8.21	
For Elevated Installation >35' To 40', Add	10.27	
For Elevated Installation >40', Add	11.29	
For Work In Restricted Working Space, Add	6.16	
26 05 33 13-1333 EA 3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	205.02	14.26
For Elevated Installation >10' To 15', Add	2.85	
For Elevated Installation >15' To 20', Add	5.70	
For Elevated Installation >20' To 25', Add	7.13	
For Elevated Installation >25' To 30', Add	9.98	
For Elevated Installation >30' To 35', Add	11.40	
For Elevated Installation >35' To 40', Add	14.26	
For Elevated Installation >40', Add	15.68	
For Work In Restricted Working Space, Add	8.55	
26 05 33 13-1334 EA 3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	302.86	16.53
For Elevated Installation >10' To 15', Add	3.31	
For Elevated Installation >15' To 20', Add	6.62	
For Elevated Installation >20' To 25', Add	8.27	
For Elevated Installation >25' To 30', Add	11.58	
For Elevated Installation >30' To 35', Add	13.23	
For Elevated Installation >35' To 40', Add	16.54	
For Elevated Installation >40', Add	18.19	
For Work In Restricted Working Space, Add	9.92	
26 05 33 13-1335 EA 4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	405.06	22.81
For Elevated Installation >10' To 15', Add	4.56	
For Elevated Installation >15' To 20', Add	9.13	
For Elevated Installation >20' To 25', Add	11.41	
For Elevated Installation >25' To 30', Add	15.97	
For Elevated Installation >30' To 35', Add	18.25	
For Elevated Installation >35' To 40', Add	22.82	
For Elevated Installation >40', Add	25.10	
For Work In Restricted Working Space, Add	13.69	
26 05 33 13-1336 EA 5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	505.89	31.36
For Elevated Installation >10' To 15', Add	6.27	
For Elevated Installation >15' To 20', Add	12.55	
For Elevated Installation >20' To 25', Add	15.68	
For Elevated Installation >25' To 30', Add	21.96	
For Elevated Installation >30' To 35', Add	25.09	
For Elevated Installation >35' To 40', Add	31.37	
For Elevated Installation >40', Add	34.50	
For Work In Restricted Working Space, Add	18.82	
<b>26 05 33 13-1337 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1338 EA 1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	31.27	6.84
For Elevated Installation >10' To 15', Add	1.37	
For Elevated Installation >15' To 20', Add	2.74	
For Elevated Installation >20' To 25', Add	3.42	
For Elevated Installation >25' To 30', Add	4.79	
For Elevated Installation >30' To 35', Add	5.47	
For Elevated Installation >35' To 40', Add	6.84	
For Elevated Installation >40', Add	7.52	
For Work In Restricted Working Space, Add	4.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.10	
26 05 33 13-1339 EA 3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	35.03	8.56
For Elevated Installation >10' To 15', Add	1.71	
For Elevated Installation >15' To 20', Add	3.42	
For Elevated Installation >20' To 25', Add	4.28	
For Elevated Installation >25' To 30', Add	5.99	
For Elevated Installation >30' To 35', Add	6.84	
For Elevated Installation >35' To 40', Add	8.55	
For Elevated Installation >40', Add	9.41	
For Work In Restricted Working Space, Add	5.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.13	
26 05 33 13-1340 EA 1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	40.58	10.83
For Elevated Installation >10' To 15', Add	2.17	
For Elevated Installation >15' To 20', Add	4.33	
For Elevated Installation >20' To 25', Add	5.42	
For Elevated Installation >25' To 30', Add	7.58	
For Elevated Installation >30' To 35', Add	8.67	
For Elevated Installation >35' To 40', Add	10.84	
For Elevated Installation >40', Add	11.92	
For Work In Restricted Working Space, Add	6.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.50	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1341	EA	1-1/4" x 2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	48.35	12.55
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.51	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.02	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.27	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.78	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.55	
			<i>For Elevated Installation &gt;40', Add</i>	13.80	
			<i>For Work In Restricted Working Space, Add</i>	7.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.53	
26 05 33 13-1342	EA	1-1/2" x 2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	52.54	14.26
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.85	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.70	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.98	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.26	
			<i>For Elevated Installation &gt;40', Add</i>	15.68	
			<i>For Work In Restricted Working Space, Add</i>	8.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.55	
26 05 33 13-1343	EA	1/2" x 2-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	34.68	7.41
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.19	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.93	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.42	
			<i>For Elevated Installation &gt;40', Add</i>	8.16	
			<i>For Work In Restricted Working Space, Add</i>	4.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.45	
26 05 33 13-1344	EA	3/4" x 2-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	37.43	8.56
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.71	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.42	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.28	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.99	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.84	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.55	
			<i>For Elevated Installation &gt;40', Add</i>	9.41	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.13	
26 05 33 13-1345	EA	1" x 2-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	43.01	10.83
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.17	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.33	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.42	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.58	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.67	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.84	
			<i>For Elevated Installation &gt;40', Add</i>	11.92	
			<i>For Work In Restricted Working Space, Add</i>	6.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.50	
26 05 33 13-1346	EA	1-1/4" x 2-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	50.93	12.55
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.51	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.02	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.27	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.78	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.55	
			<i>For Elevated Installation &gt;40', Add</i>	13.80	
			<i>For Work In Restricted Working Space, Add</i>	7.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.53	
26 05 33 13-1347	EA	1-1/2" x 2-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	55.31	14.26
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.85	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.70	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.98	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.26	
			<i>For Elevated Installation &gt;40', Add</i>	15.68	
			<i>For Work In Restricted Working Space, Add</i>	8.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.55	
26 05 33 13-1348	EA	2" x 2-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	59.93	15.97
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.98	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.18	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.97	
			<i>For Elevated Installation &gt;40', Add</i>	17.56	
			<i>For Work In Restricted Working Space, Add</i>	9.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1349 EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	34.85	7.41
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.48	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.19	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.93	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.42	
<i>For Elevated Installation &gt;40', Add</i>	8.16	
<i>For Work In Restricted Working Space, Add</i>	4.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.45	
26 05 33 13-1350 EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	37.60	8.56
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.71	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.42	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.28	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.99	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.84	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.55	
<i>For Elevated Installation &gt;40', Add</i>	9.41	
<i>For Work In Restricted Working Space, Add</i>	5.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.13	
26 05 33 13-1351 EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	43.32	10.83
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.17	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.33	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.42	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.58	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.67	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.84	
<i>For Elevated Installation &gt;40', Add</i>	11.92	
<i>For Work In Restricted Working Space, Add</i>	6.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.50	
26 05 33 13-1352 EA 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	51.26	12.55
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.51	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.02	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.27	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.78	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.04	
<i>For Elevated Installation &gt;35' To 40', Add</i>	12.55	
<i>For Elevated Installation &gt;40', Add</i>	13.80	
<i>For Work In Restricted Working Space, Add</i>	7.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.53	
26 05 33 13-1353 EA 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	55.64	14.26
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.85	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.70	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.13	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.98	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.40	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.26	
<i>For Elevated Installation &gt;40', Add</i>	15.68	
<i>For Work In Restricted Working Space, Add</i>	8.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.55	
26 05 33 13-1354 EA 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	60.79	15.97
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.19	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.39	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.98	
<i>For Elevated Installation &gt;25' To 30', Add</i>	11.18	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.77	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.97	
<i>For Elevated Installation &gt;40', Add</i>	17.56	
<i>For Work In Restricted Working Space, Add</i>	9.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.58	
26 05 33 13-1355 EA 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	37.13	7.41
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.48	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.19	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.93	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.42	
<i>For Elevated Installation &gt;40', Add</i>	8.16	
<i>For Work In Restricted Working Space, Add</i>	4.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.45	
26 05 33 13-1356 EA 3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	39.88	8.56
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.71	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.42	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.28	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.99	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.84	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.55	
<i>For Elevated Installation &gt;40', Add</i>	9.41	
<i>For Work In Restricted Working Space, Add</i>	5.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.13	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1357	EA		1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	45.78	10.83
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.17	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.33	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.42	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.58	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.67	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.84	
			<i>For Elevated Installation &gt;40', Add</i>	11.92	
			<i>For Work In Restricted Working Space, Add</i>	6.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.50	
26 05 33 13-1358	EA		1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	52.66	12.55
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.51	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.02	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.27	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.78	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.55	
			<i>For Elevated Installation &gt;40', Add</i>	13.80	
			<i>For Work In Restricted Working Space, Add</i>	7.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.53	
26 05 33 13-1359	EA		1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	57.18	14.26
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.85	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.70	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.98	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.26	
			<i>For Elevated Installation &gt;40', Add</i>	15.68	
			<i>For Work In Restricted Working Space, Add</i>	8.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.55	
26 05 33 13-1360	EA		2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	63.49	15.97
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.98	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.18	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.97	
			<i>For Elevated Installation &gt;40', Add</i>	17.56	
			<i>For Work In Restricted Working Space, Add</i>	9.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.58	
26 05 33 13-1361	EA		2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	88.86	19.39
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.88	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.75	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.69	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.57	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.51	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.39	
			<i>For Elevated Installation &gt;40', Add</i>	21.32	
			<i>For Work In Restricted Working Space, Add</i>	11.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 05 33 13-1362	EA		3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	114.89	26.81
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.40	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.44	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.80	
			<i>For Elevated Installation &gt;40', Add</i>	29.48	
			<i>For Work In Restricted Working Space, Add</i>	16.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.08	
26 05 33 13-1363	EA		1 1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	37.30	7.41
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.19	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.93	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.42	
			<i>For Elevated Installation &gt;40', Add</i>	8.16	
			<i>For Work In Restricted Working Space, Add</i>	4.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.45	
26 05 33 13-1364	EA		3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	40.20	8.56
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.71	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.42	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.28	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.99	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.84	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.55	
			<i>For Elevated Installation &gt;40', Add</i>	9.41	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1365 EA 1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	46.11	10.83
For Elevated Installation >10' To 15', Add	2.17	
For Elevated Installation >15' To 20', Add	4.33	
For Elevated Installation >20' To 25', Add	5.42	
For Elevated Installation >25' To 30', Add	7.58	
For Elevated Installation >30' To 35', Add	8.67	
For Elevated Installation >35' To 40', Add	10.84	
For Elevated Installation >40', Add	11.92	
For Work In Restricted Working Space, Add	6.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.50	
26 05 33 13-1366 EA 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	54.05	12.55
For Elevated Installation >10' To 15', Add	2.51	
For Elevated Installation >15' To 20', Add	5.02	
For Elevated Installation >20' To 25', Add	6.27	
For Elevated Installation >25' To 30', Add	8.78	
For Elevated Installation >30' To 35', Add	10.04	
For Elevated Installation >35' To 40', Add	12.55	
For Elevated Installation >40', Add	13.80	
For Work In Restricted Working Space, Add	7.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.53	
26 05 33 13-1367 EA 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	58.72	14.26
For Elevated Installation >10' To 15', Add	2.85	
For Elevated Installation >15' To 20', Add	5.70	
For Elevated Installation >20' To 25', Add	7.13	
For Elevated Installation >25' To 30', Add	9.98	
For Elevated Installation >30' To 35', Add	11.40	
For Elevated Installation >35' To 40', Add	14.26	
For Elevated Installation >40', Add	15.68	
For Work In Restricted Working Space, Add	8.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.55	
26 05 33 13-1368 EA 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	66.18	15.97
For Elevated Installation >10' To 15', Add	3.19	
For Elevated Installation >15' To 20', Add	6.39	
For Elevated Installation >20' To 25', Add	7.98	
For Elevated Installation >25' To 30', Add	11.18	
For Elevated Installation >30' To 35', Add	12.77	
For Elevated Installation >35' To 40', Add	15.97	
For Elevated Installation >40', Add	17.56	
For Work In Restricted Working Space, Add	9.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.58	
26 05 33 13-1369 EA 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	91.24	19.39
For Elevated Installation >10' To 15', Add	3.88	
For Elevated Installation >15' To 20', Add	7.75	
For Elevated Installation >20' To 25', Add	9.69	
For Elevated Installation >25' To 30', Add	13.57	
For Elevated Installation >30' To 35', Add	15.51	
For Elevated Installation >35' To 40', Add	19.39	
For Elevated Installation >40', Add	21.32	
For Work In Restricted Working Space, Add	11.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.63	
26 05 33 13-1370 EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	120.01	26.81
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.72	
For Elevated Installation >20' To 25', Add	13.40	
For Elevated Installation >25' To 30', Add	18.76	
For Elevated Installation >30' To 35', Add	21.44	
For Elevated Installation >35' To 40', Add	26.80	
For Elevated Installation >40', Add	29.48	
For Work In Restricted Working Space, Add	16.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08	
26 05 33 13-1371 EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	143.26	30.23
For Elevated Installation >10' To 15', Add	6.04	
For Elevated Installation >15' To 20', Add	12.09	
For Elevated Installation >20' To 25', Add	15.11	
For Elevated Installation >25' To 30', Add	21.15	
For Elevated Installation >30' To 35', Add	24.18	
For Elevated Installation >35' To 40', Add	30.22	
For Elevated Installation >40', Add	33.24	
For Work In Restricted Working Space, Add	18.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.13	
26 05 33 13-1372 EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	167.30	39.35
For Elevated Installation >10' To 15', Add	7.87	
For Elevated Installation >15' To 20', Add	15.74	
For Elevated Installation >20' To 25', Add	19.67	
For Elevated Installation >25' To 30', Add	27.54	
For Elevated Installation >30' To 35', Add	31.48	
For Elevated Installation >35' To 40', Add	39.35	
For Elevated Installation >40', Add	43.28	
For Work In Restricted Working Space, Add	23.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.61	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1373	EA	1/2"	5' Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.61	7.41
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.19	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.93	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.42	
			<i>For Elevated Installation &gt;40', Add</i>	8.16	
			<i>For Work In Restricted Working Space, Add</i>	4.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.45	
26 05 33 13-1374	EA	3/4"	5' Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	40.53	8.56
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.71	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.42	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.28	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.99	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.84	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.55	
			<i>For Elevated Installation &gt;40', Add</i>	9.41	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.13	
26 05 33 13-1375	EA	1"	5' Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.47	10.83
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.17	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.33	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.42	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.58	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.67	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.84	
			<i>For Elevated Installation &gt;40', Add</i>	11.92	
			<i>For Work In Restricted Working Space, Add</i>	6.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.50	
26 05 33 13-1376	EA	1-1/4"	5' Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	54.70	12.55
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.51	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.02	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.27	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.78	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.55	
			<i>For Elevated Installation &gt;40', Add</i>	13.80	
			<i>For Work In Restricted Working Space, Add</i>	7.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.53	
26 05 33 13-1377	EA	1-1/2"	5' Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	59.39	14.26
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.85	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.70	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.98	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.26	
			<i>For Elevated Installation &gt;40', Add</i>	15.68	
			<i>For Work In Restricted Working Space, Add</i>	8.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.55	
26 05 33 13-1378	EA	2"	5' Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	67.64	15.97
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.98	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.18	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.97	
			<i>For Elevated Installation &gt;40', Add</i>	17.56	
			<i>For Work In Restricted Working Space, Add</i>	9.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.58	
26 05 33 13-1379	EA	2-1/2"	5' Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	100.71	19.39
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.88	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.75	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.69	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.57	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.51	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.39	
			<i>For Elevated Installation &gt;40', Add</i>	21.32	
			<i>For Work In Restricted Working Space, Add</i>	11.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 05 33 13-1380	EA	3"	5' Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	127.67	26.81
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.40	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.44	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.80	
			<i>For Elevated Installation &gt;40', Add</i>	29.48	
			<i>For Work In Restricted Working Space, Add</i>	16.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.08	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1381 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	144.90	30.23
For Elevated Installation >10' To 15', Add	6.04	
For Elevated Installation >15' To 20', Add	12.09	
For Elevated Installation >20' To 25', Add	15.11	
For Elevated Installation >25' To 30', Add	21.15	
For Elevated Installation >30' To 35', Add	24.18	
For Elevated Installation >35' To 40', Add	30.22	
For Elevated Installation >40', Add	33.24	
For Work In Restricted Working Space, Add	18.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.13	
26 05 33 13-1382 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	171.68	39.35
For Elevated Installation >10' To 15', Add	7.87	
For Elevated Installation >15' To 20', Add	15.74	
For Elevated Installation >20' To 25', Add	19.67	
For Elevated Installation >25' To 30', Add	27.54	
For Elevated Installation >30' To 35', Add	31.48	
For Elevated Installation >35' To 40', Add	39.35	
For Elevated Installation >40', Add	43.28	
For Work In Restricted Working Space, Add	23.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.61	
26 05 33 13-1383 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	252.98	54.17
For Elevated Installation >10' To 15', Add	10.83	
For Elevated Installation >15' To 20', Add	21.67	
For Elevated Installation >20' To 25', Add	27.09	
For Elevated Installation >25' To 30', Add	37.92	
For Elevated Installation >30' To 35', Add	43.34	
For Elevated Installation >35' To 40', Add	54.17	
For Elevated Installation >40', Add	59.59	
For Work In Restricted Working Space, Add	32.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.50	
26 05 33 13-1384 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	38.22	7.41
For Elevated Installation >10' To 15', Add	1.48	
For Elevated Installation >15' To 20', Add	2.97	
For Elevated Installation >20' To 25', Add	3.71	
For Elevated Installation >25' To 30', Add	5.19	
For Elevated Installation >30' To 35', Add	5.93	
For Elevated Installation >35' To 40', Add	7.42	
For Elevated Installation >40', Add	8.16	
For Work In Restricted Working Space, Add	4.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.45	
26 05 33 13-1385 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	41.13	8.56
For Elevated Installation >10' To 15', Add	1.71	
For Elevated Installation >15' To 20', Add	3.42	
For Elevated Installation >20' To 25', Add	4.28	
For Elevated Installation >25' To 30', Add	5.99	
For Elevated Installation >30' To 35', Add	6.84	
For Elevated Installation >35' To 40', Add	8.55	
For Elevated Installation >40', Add	9.41	
For Work In Restricted Working Space, Add	5.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.13	
26 05 33 13-1386 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	47.12	10.83
For Elevated Installation >10' To 15', Add	2.17	
For Elevated Installation >15' To 20', Add	4.33	
For Elevated Installation >20' To 25', Add	5.42	
For Elevated Installation >25' To 30', Add	7.58	
For Elevated Installation >30' To 35', Add	8.67	
For Elevated Installation >35' To 40', Add	10.84	
For Elevated Installation >40', Add	11.92	
For Work In Restricted Working Space, Add	6.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.50	
26 05 33 13-1387 EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	55.90	12.55
For Elevated Installation >10' To 15', Add	2.51	
For Elevated Installation >15' To 20', Add	5.02	
For Elevated Installation >20' To 25', Add	6.27	
For Elevated Installation >25' To 30', Add	8.78	
For Elevated Installation >30' To 35', Add	10.04	
For Elevated Installation >35' To 40', Add	12.55	
For Elevated Installation >40', Add	13.80	
For Work In Restricted Working Space, Add	7.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.53	
26 05 33 13-1388 EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	60.84	14.26
For Elevated Installation >10' To 15', Add	2.85	
For Elevated Installation >15' To 20', Add	5.70	
For Elevated Installation >20' To 25', Add	7.13	
For Elevated Installation >25' To 30', Add	9.98	
For Elevated Installation >30' To 35', Add	11.40	
For Elevated Installation >35' To 40', Add	14.26	
For Elevated Installation >40', Add	15.68	
For Work In Restricted Working Space, Add	8.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.55	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1389	EA		2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	69.11	15.97
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.98	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.18	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.97	
			<i>For Elevated Installation &gt;40', Add</i>	17.56	
			<i>For Work In Restricted Working Space, Add</i>	9.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.58	
26 05 33 13-1390	EA		2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	110.32	19.39
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.88	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.75	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.69	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.57	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.51	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.39	
			<i>For Elevated Installation &gt;40', Add</i>	21.32	
			<i>For Work In Restricted Working Space, Add</i>	11.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 05 33 13-1391	EA		3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	137.86	26.81
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.40	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.44	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.80	
			<i>For Elevated Installation &gt;40', Add</i>	29.48	
			<i>For Work In Restricted Working Space, Add</i>	16.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.08	
26 05 33 13-1392	EA		3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	154.08	30.23
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.09	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.11	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.15	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.18	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.22	
			<i>For Elevated Installation &gt;40', Add</i>	33.24	
			<i>For Work In Restricted Working Space, Add</i>	18.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.13	
26 05 33 13-1393	EA		4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	187.16	39.35
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.87	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.67	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.48	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.35	
			<i>For Elevated Installation &gt;40', Add</i>	43.28	
			<i>For Work In Restricted Working Space, Add</i>	23.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.61	
26 05 33 13-1394	EA		5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	276.12	54.17
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.83	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	27.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	37.92	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	43.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	54.17	
			<i>For Elevated Installation &gt;40', Add</i>	59.59	
			<i>For Work In Restricted Working Space, Add</i>	32.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.50	
26 05 33 13-1395	EA		1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	39.15	7.41
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.19	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.93	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.42	
			<i>For Elevated Installation &gt;40', Add</i>	8.16	
			<i>For Work In Restricted Working Space, Add</i>	4.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.45	
26 05 33 13-1396	EA		3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	42.05	8.56
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.71	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.42	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.28	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.99	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.84	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.55	
			<i>For Elevated Installation &gt;40', Add</i>	9.41	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1397 EA 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	48.56	10.83
For Elevated Installation >10' To 15', Add	2.17	
For Elevated Installation >15' To 20', Add	4.33	
For Elevated Installation >20' To 25', Add	5.42	
For Elevated Installation >25' To 30', Add	7.58	
For Elevated Installation >30' To 35', Add	8.67	
For Elevated Installation >35' To 40', Add	10.84	
For Elevated Installation >40', Add	11.92	
For Work In Restricted Working Space, Add	6.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.50	
26 05 33 13-1398 EA 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	56.21	12.55
For Elevated Installation >10' To 15', Add	2.51	
For Elevated Installation >15' To 20', Add	5.02	
For Elevated Installation >20' To 25', Add	6.27	
For Elevated Installation >25' To 30', Add	8.78	
For Elevated Installation >30' To 35', Add	10.04	
For Elevated Installation >35' To 40', Add	12.55	
For Elevated Installation >40', Add	13.80	
For Work In Restricted Working Space, Add	7.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.53	
26 05 33 13-1399 EA 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	63.77	14.26
For Elevated Installation >10' To 15', Add	2.85	
For Elevated Installation >15' To 20', Add	5.70	
For Elevated Installation >20' To 25', Add	7.13	
For Elevated Installation >25' To 30', Add	9.98	
For Elevated Installation >30' To 35', Add	11.40	
For Elevated Installation >35' To 40', Add	14.26	
For Elevated Installation >40', Add	15.68	
For Work In Restricted Working Space, Add	8.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.55	
26 05 33 13-1400 EA 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	76.27	15.97
For Elevated Installation >10' To 15', Add	3.19	
For Elevated Installation >15' To 20', Add	6.39	
For Elevated Installation >20' To 25', Add	7.98	
For Elevated Installation >25' To 30', Add	11.18	
For Elevated Installation >30' To 35', Add	12.77	
For Elevated Installation >35' To 40', Add	15.97	
For Elevated Installation >40', Add	17.56	
For Work In Restricted Working Space, Add	9.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.58	
26 05 33 13-1401 EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	122.14	19.39
For Elevated Installation >10' To 15', Add	3.88	
For Elevated Installation >15' To 20', Add	7.75	
For Elevated Installation >20' To 25', Add	9.69	
For Elevated Installation >25' To 30', Add	13.57	
For Elevated Installation >30' To 35', Add	15.51	
For Elevated Installation >35' To 40', Add	19.39	
For Elevated Installation >40', Add	21.32	
For Work In Restricted Working Space, Add	11.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.63	
26 05 33 13-1402 EA 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	151.80	26.81
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.72	
For Elevated Installation >20' To 25', Add	13.40	
For Elevated Installation >25' To 30', Add	18.76	
For Elevated Installation >30' To 35', Add	21.44	
For Elevated Installation >35' To 40', Add	26.80	
For Elevated Installation >40', Add	29.48	
For Work In Restricted Working Space, Add	16.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08	
26 05 33 13-1403 EA 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	177.05	30.23
For Elevated Installation >10' To 15', Add	6.04	
For Elevated Installation >15' To 20', Add	12.09	
For Elevated Installation >20' To 25', Add	15.11	
For Elevated Installation >25' To 30', Add	21.15	
For Elevated Installation >30' To 35', Add	24.18	
For Elevated Installation >35' To 40', Add	30.22	
For Elevated Installation >40', Add	33.24	
For Work In Restricted Working Space, Add	18.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.13	
26 05 33 13-1404 EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	210.40	39.35
For Elevated Installation >10' To 15', Add	7.87	
For Elevated Installation >15' To 20', Add	15.74	
For Elevated Installation >20' To 25', Add	19.67	
For Elevated Installation >25' To 30', Add	27.54	
For Elevated Installation >30' To 35', Add	31.48	
For Elevated Installation >35' To 40', Add	39.35	
For Elevated Installation >40', Add	43.28	
For Work In Restricted Working Space, Add	23.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.61	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1405 EA 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	291.98	54.17
For Elevated Installation >10' To 15', Add	10.83	
For Elevated Installation >15' To 20', Add	21.67	
For Elevated Installation >20' To 25', Add	27.09	
For Elevated Installation >25' To 30', Add	37.92	
For Elevated Installation >30' To 35', Add	43.34	
For Elevated Installation >35' To 40', Add	54.17	
For Elevated Installation >40', Add	59.59	
For Work In Restricted Working Space, Add	32.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.50	
26 05 33 13-1406 EA 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	40.14	7.41
For Elevated Installation >10' To 15', Add	1.48	
For Elevated Installation >15' To 20', Add	2.97	
For Elevated Installation >20' To 25', Add	3.71	
For Elevated Installation >25' To 30', Add	5.19	
For Elevated Installation >30' To 35', Add	5.93	
For Elevated Installation >35' To 40', Add	7.42	
For Elevated Installation >40', Add	8.16	
For Work In Restricted Working Space, Add	4.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.45	
26 05 33 13-1407 EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	43.01	8.56
For Elevated Installation >10' To 15', Add	1.71	
For Elevated Installation >15' To 20', Add	3.42	
For Elevated Installation >20' To 25', Add	4.28	
For Elevated Installation >25' To 30', Add	5.99	
For Elevated Installation >30' To 35', Add	6.84	
For Elevated Installation >35' To 40', Add	8.55	
For Elevated Installation >40', Add	9.41	
For Work In Restricted Working Space, Add	5.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.13	
26 05 33 13-1408 EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	49.98	10.83
For Elevated Installation >10' To 15', Add	2.17	
For Elevated Installation >15' To 20', Add	4.33	
For Elevated Installation >20' To 25', Add	5.42	
For Elevated Installation >25' To 30', Add	7.58	
For Elevated Installation >30' To 35', Add	8.67	
For Elevated Installation >35' To 40', Add	10.84	
For Elevated Installation >40', Add	11.92	
For Work In Restricted Working Space, Add	6.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.50	
26 05 33 13-1409 EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	60.54	12.55
For Elevated Installation >10' To 15', Add	2.51	
For Elevated Installation >15' To 20', Add	5.02	
For Elevated Installation >20' To 25', Add	6.27	
For Elevated Installation >25' To 30', Add	8.78	
For Elevated Installation >30' To 35', Add	10.04	
For Elevated Installation >35' To 40', Add	12.55	
For Elevated Installation >40', Add	13.80	
For Work In Restricted Working Space, Add	7.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.53	
26 05 33 13-1410 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	70.74	14.26
For Elevated Installation >10' To 15', Add	2.85	
For Elevated Installation >15' To 20', Add	5.70	
For Elevated Installation >20' To 25', Add	7.13	
For Elevated Installation >25' To 30', Add	9.98	
For Elevated Installation >30' To 35', Add	11.40	
For Elevated Installation >35' To 40', Add	14.26	
For Elevated Installation >40', Add	15.68	
For Work In Restricted Working Space, Add	8.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.55	
26 05 33 13-1411 EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	86.80	15.97
For Elevated Installation >10' To 15', Add	3.19	
For Elevated Installation >15' To 20', Add	6.39	
For Elevated Installation >20' To 25', Add	7.98	
For Elevated Installation >25' To 30', Add	11.18	
For Elevated Installation >30' To 35', Add	12.77	
For Elevated Installation >35' To 40', Add	15.97	
For Elevated Installation >40', Add	17.56	
For Work In Restricted Working Space, Add	9.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.58	
26 05 33 13-1412 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	134.64	19.39
For Elevated Installation >10' To 15', Add	3.88	
For Elevated Installation >15' To 20', Add	7.75	
For Elevated Installation >20' To 25', Add	9.69	
For Elevated Installation >25' To 30', Add	13.57	
For Elevated Installation >30' To 35', Add	15.51	
For Elevated Installation >35' To 40', Add	19.39	
For Elevated Installation >40', Add	21.32	
For Work In Restricted Working Space, Add	11.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1413 EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	169.66	26.81
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.72	
For Elevated Installation >20' To 25', Add	13.40	
For Elevated Installation >25' To 30', Add	18.76	
For Elevated Installation >30' To 35', Add	21.44	
For Elevated Installation >35' To 40', Add	26.80	
For Elevated Installation >40', Add	29.48	
For Work In Restricted Working Space, Add	16.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08	
26 05 33 13-1414 EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	201.18	30.23
For Elevated Installation >10' To 15', Add	6.04	
For Elevated Installation >15' To 20', Add	12.09	
For Elevated Installation >20' To 25', Add	15.11	
For Elevated Installation >25' To 30', Add	21.15	
For Elevated Installation >30' To 35', Add	24.18	
For Elevated Installation >35' To 40', Add	30.22	
For Elevated Installation >40', Add	33.24	
For Work In Restricted Working Space, Add	18.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.13	
26 05 33 13-1415 EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	251.06	39.35
For Elevated Installation >10' To 15', Add	7.87	
For Elevated Installation >15' To 20', Add	15.74	
For Elevated Installation >20' To 25', Add	19.67	
For Elevated Installation >25' To 30', Add	27.54	
For Elevated Installation >30' To 35', Add	31.48	
For Elevated Installation >35' To 40', Add	39.35	
For Elevated Installation >40', Add	43.28	
For Work In Restricted Working Space, Add	23.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.61	
26 05 33 13-1416 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	323.64	54.17
For Elevated Installation >10' To 15', Add	10.83	
For Elevated Installation >15' To 20', Add	21.67	
For Elevated Installation >20' To 25', Add	27.09	
For Elevated Installation >25' To 30', Add	37.92	
For Elevated Installation >30' To 35', Add	43.34	
For Elevated Installation >35' To 40', Add	54.17	
For Elevated Installation >40', Add	59.59	
For Work In Restricted Working Space, Add	32.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.50	
26 05 33 13-1417 EA 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	41.15	7.41
For Elevated Installation >10' To 15', Add	1.48	
For Elevated Installation >15' To 20', Add	2.97	
For Elevated Installation >20' To 25', Add	3.71	
For Elevated Installation >25' To 30', Add	5.19	
For Elevated Installation >30' To 35', Add	5.93	
For Elevated Installation >35' To 40', Add	7.42	
For Elevated Installation >40', Add	8.16	
For Work In Restricted Working Space, Add	4.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.45	
26 05 33 13-1418 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	44.14	8.56
For Elevated Installation >10' To 15', Add	1.71	
For Elevated Installation >15' To 20', Add	3.42	
For Elevated Installation >20' To 25', Add	4.28	
For Elevated Installation >25' To 30', Add	5.99	
For Elevated Installation >30' To 35', Add	6.84	
For Elevated Installation >35' To 40', Add	8.55	
For Elevated Installation >40', Add	9.41	
For Work In Restricted Working Space, Add	5.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.13	
26 05 33 13-1419 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	53.59	10.83
For Elevated Installation >10' To 15', Add	2.17	
For Elevated Installation >15' To 20', Add	4.33	
For Elevated Installation >20' To 25', Add	5.42	
For Elevated Installation >25' To 30', Add	7.58	
For Elevated Installation >30' To 35', Add	8.67	
For Elevated Installation >35' To 40', Add	10.84	
For Elevated Installation >40', Add	11.92	
For Work In Restricted Working Space, Add	6.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.50	
26 05 33 13-1420 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	67.65	12.55
For Elevated Installation >10' To 15', Add	2.51	
For Elevated Installation >15' To 20', Add	5.02	
For Elevated Installation >20' To 25', Add	6.27	
For Elevated Installation >25' To 30', Add	8.78	
For Elevated Installation >30' To 35', Add	10.04	
For Elevated Installation >35' To 40', Add	12.55	
For Elevated Installation >40', Add	13.80	
For Work In Restricted Working Space, Add	7.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.53	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1421 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	79.17	14.26
For Elevated Installation >10' To 15', Add	2.85	
For Elevated Installation >15' To 20', Add	5.70	
For Elevated Installation >20' To 25', Add	7.13	
For Elevated Installation >25' To 30', Add	9.98	
For Elevated Installation >30' To 35', Add	11.40	
For Elevated Installation >35' To 40', Add	14.26	
For Elevated Installation >40', Add	15.68	
For Work In Restricted Working Space, Add	8.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.55	
26 05 33 13-1422 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	95.26	15.97
For Elevated Installation >10' To 15', Add	3.19	
For Elevated Installation >15' To 20', Add	6.39	
For Elevated Installation >20' To 25', Add	7.98	
For Elevated Installation >25' To 30', Add	11.18	
For Elevated Installation >30' To 35', Add	12.77	
For Elevated Installation >35' To 40', Add	15.97	
For Elevated Installation >40', Add	17.56	
For Work In Restricted Working Space, Add	9.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.58	
26 05 33 13-1423 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	151.32	19.39
For Elevated Installation >10' To 15', Add	3.88	
For Elevated Installation >15' To 20', Add	7.75	
For Elevated Installation >20' To 25', Add	9.69	
For Elevated Installation >25' To 30', Add	13.57	
For Elevated Installation >30' To 35', Add	15.51	
For Elevated Installation >35' To 40', Add	19.39	
For Elevated Installation >40', Add	21.32	
For Work In Restricted Working Space, Add	11.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.63	
26 05 33 13-1424 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	196.43	26.81
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.72	
For Elevated Installation >20' To 25', Add	13.40	
For Elevated Installation >25' To 30', Add	18.76	
For Elevated Installation >30' To 35', Add	21.44	
For Elevated Installation >35' To 40', Add	26.80	
For Elevated Installation >40', Add	29.48	
For Work In Restricted Working Space, Add	16.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08	
26 05 33 13-1425 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	215.99	30.23
For Elevated Installation >10' To 15', Add	6.04	
For Elevated Installation >15' To 20', Add	12.09	
For Elevated Installation >20' To 25', Add	15.11	
For Elevated Installation >25' To 30', Add	21.15	
For Elevated Installation >30' To 35', Add	24.18	
For Elevated Installation >35' To 40', Add	30.22	
For Elevated Installation >40', Add	33.24	
For Work In Restricted Working Space, Add	18.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.13	
26 05 33 13-1426 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	263.54	39.35
For Elevated Installation >10' To 15', Add	7.87	
For Elevated Installation >15' To 20', Add	15.74	
For Elevated Installation >20' To 25', Add	19.67	
For Elevated Installation >25' To 30', Add	27.54	
For Elevated Installation >30' To 35', Add	31.48	
For Elevated Installation >35' To 40', Add	39.35	
For Elevated Installation >40', Add	43.28	
For Work In Restricted Working Space, Add	23.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.61	
26 05 33 13-1427 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	328.16	54.17
For Elevated Installation >10' To 15', Add	10.83	
For Elevated Installation >15' To 20', Add	21.67	
For Elevated Installation >20' To 25', Add	27.09	
For Elevated Installation >25' To 30', Add	37.92	
For Elevated Installation >30' To 35', Add	43.34	
For Elevated Installation >35' To 40', Add	54.17	
For Elevated Installation >40', Add	59.59	
For Work In Restricted Working Space, Add	32.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.50	
26 05 33 13-1428 Aluminum Rigid Conduit (ARC) <small>(26 05 33 13-0058)</small>		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1429 Aluminum Rigid Conduit (ARC) With Threaded Coupling <small>(26 05 33 13-1428)</small>		
Note: Includes field bend conduit up to 1".		
26 05 33 13-1430 LF 1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	5.78	1.76
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.66	
For Work In Restricted Working Space, Add	1.31	
26 05 33 13-1431 LF 3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	6.69	1.93
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.72	
For Work In Restricted Working Space, Add	1.45	
26 05 33 13-1432 LF 1" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	7.92	2.11
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.79	
For Work In Restricted Working Space, Add	1.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1433 LF 1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling .....	9.17	2.28
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.86	
For Work In Restricted Working Space, Add	1.71	
26 05 33 13-1434 LF 1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling .....	10.45	2.46
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.92	
For Work In Restricted Working Space, Add	1.84	
26 05 33 13-1435 LF 2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	12.78	2.81
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.05	
For Work In Restricted Working Space, Add	2.11	
26 05 33 13-1436 LF 2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling .....	17.86	3.51
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.32	
For Work In Restricted Working Space, Add	2.63	
26 05 33 13-1437 LF 3" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	22.47	4.21
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.58	
For Work In Restricted Working Space, Add	3.16	
26 05 33 13-1438 LF 3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling .....	27.51	5.27
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.97	
For Work In Restricted Working Space, Add	3.95	
26 05 33 13-1439 LF 4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	33.66	6.67
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.50	
For Work In Restricted Working Space, Add	5.00	
26 05 33 13-1440 LF 5" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	45.38	8.43
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.16	
For Work In Restricted Working Space, Add	6.32	
26 05 33 13-1441 LF 6" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	58.31	10.52
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.95	
For Work In Restricted Working Space, Add	7.89	
<b>26 05 33 13-1442 Aluminum 90 Degree Elbows</b> <small>(26 05 33 13-1428)</small>		
26 05 33 13-1443 EA 1" Aluminum 90 Degree Elbow .....	37.62	9.12
For Work In Restricted Working Space, Add	6.84	
26 05 33 13-1444 EA 1-1/4" Aluminum 90 Degree Elbow .....	49.41	10.35
For Work In Restricted Working Space, Add	7.76	
26 05 33 13-1445 EA 1-1/2" Aluminum 90 Degree Elbow .....	61.14	11.93
For Work In Restricted Working Space, Add	8.95	
26 05 33 13-1446 EA 2" Aluminum 90 Degree Elbow .....	80.32	13.68
For Work In Restricted Working Space, Add	10.27	
26 05 33 13-1447 EA 2-1/2" Aluminum 90 Degree Elbow .....	119.36	16.67
For Work In Restricted Working Space, Add	12.50	
26 05 33 13-1448 EA 3" Aluminum 90 Degree Elbow .....	173.95	21.58
For Work In Restricted Working Space, Add	16.19	
26 05 33 13-1449 EA 3-1/2" Aluminum 90 Degree Elbow .....	247.68	24.22
For Work In Restricted Working Space, Add	18.16	
26 05 33 13-1450 EA 4" Aluminum 90 Degree Elbow .....	297.79	30.36
For Work In Restricted Working Space, Add	22.76	
26 05 33 13-1451 EA 5" Aluminum 90 Degree Elbow .....	779.84	49.48
For Work In Restricted Working Space, Add	37.11	
26 05 33 13-1452 EA 6" Aluminum 90 Degree Elbow .....	1,093.81	74.40
For Work In Restricted Working Space, Add	55.80	
<b>26 05 33 13-1453 Aluminum Bushing Set With Locknut</b> <small>(26 05 33 13-1428)</small>		
26 05 33 13-1454 EA 1/2" Aluminum Bushing Set With Locknut.....	9.90	3.51
For Work In Restricted Working Space, Add	2.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.63	
26 05 33 13-1455 EA 3/4" Aluminum Bushing Set With Locknut.....	15.95	4.56
For Work In Restricted Working Space, Add	3.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.42	
26 05 33 13-1456 EA 1" Aluminum Bushing Set With Locknut.....	14.76	5.62
For Work In Restricted Working Space, Add	4.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.21	
26 05 33 13-1457 EA 1-1/4" Aluminum Bushing Set With Locknut .....	16.60	6.32
For Work In Restricted Working Space, Add	4.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.74	
26 05 33 13-1458 EA 1-1/2" Aluminum Bushing Set With Locknut .....	20.34	7.72
For Work In Restricted Working Space, Add	5.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-1459 EA 2" Aluminum Bushing Set With Locknut.....	24.96	9.30
For Work In Restricted Working Space, Add	6.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.97	
26 05 33 13-1460 EA 2-1/2" Aluminum Bushing Set With Locknut .....	31.15	11.06
For Work In Restricted Working Space, Add	8.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.29	
26 05 33 13-1461 EA 3" Aluminum Bushing Set With Locknut.....	36.78	12.63
For Work In Restricted Working Space, Add	9.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.47	
26 05 33 13-1462 EA 3-1/2" Aluminum Bushing Set With Locknut .....	39.75	13.68
For Work In Restricted Working Space, Add	10.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.27	
26 05 33 13-1463 EA 4" Aluminum Bushing Set With Locknut.....	43.49	14.74
For Work In Restricted Working Space, Add	11.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.06	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1464	EA		5" Aluminum Bushing Set With Locknut.....	57.44	19.65
			<i>For Work In Restricted Working Space, Add</i>	14.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.74	
26 05 33 13-1465	EA		6" Aluminum Bushing Set With Locknut.....	85.11	29.47
			<i>For Work In Restricted Working Space, Add</i>	22.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.11	
26 05 33 13-1466			<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit</b> <small>(26 05 33 13-0058)</small>		
			Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1467			<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings</b> <small>(26 05 33 13-1466)</small>		
			Note: Includes field bend conduit up to 1".		
26 05 33 13-1468	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	4.16	1.39
			<i>For Schedule 60, Add</i>	0.35	
			<i>For Schedule 80, Add</i>	0.59	
26 05 33 13-1469	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	4.73	1.52
			<i>For Schedule 60, Add</i>	0.42	
			<i>For Schedule 80, Add</i>	0.70	
26 05 33 13-1470	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	5.83	1.77
			<i>For Schedule 60, Add</i>	0.57	
			<i>For Schedule 80, Add</i>	0.93	
26 05 33 13-1471	LF		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	6.92	2.03
			<i>For Schedule 60, Add</i>	0.71	
			<i>For Schedule 80, Add</i>	1.15	
26 05 33 13-1472	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	8.13	2.37
			<i>For Schedule 60, Add</i>	0.85	
			<i>For Schedule 80, Add</i>	1.36	
26 05 33 13-1473	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	9.67	2.71
			<i>For Schedule 60, Add</i>	1.06	
			<i>For Schedule 80, Add</i>	1.69	
26 05 33 13-1474	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	12.68	3.22
			<i>For Schedule 60, Add</i>	1.56	
			<i>For Schedule 80, Add</i>	2.43	
26 05 33 13-1475	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	14.83	3.73
			<i>For Schedule 60, Add</i>	1.84	
			<i>For Schedule 80, Add</i>	2.86	
26 05 33 13-1476	LF		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	18.05	4.40
			<i>For Schedule 60, Add</i>	2.31	
			<i>For Schedule 80, Add</i>	3.57	
26 05 33 13-1477	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	21.29	5.42
			<i>For Schedule 60, Add</i>	2.61	
			<i>For Schedule 80, Add</i>	4.06	
26 05 33 13-1478	LF		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	30.37	7.63
			<i>For Schedule 60, Add</i>	3.78	
			<i>For Schedule 80, Add</i>	5.86	
26 05 33 13-1479	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	40.33	10.16
			<i>For Schedule 60, Add</i>	5.00	
			<i>For Schedule 80, Add</i>	7.77	
26 05 33 13-1480			<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows</b> <small>(26 05 33 13-1466)</small>		
			See CSI section 26 05 33 13-2258 for conduit field bending.		
26 05 33 13-1481	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	18.76	6.77
			See CSI section 26 05 33 13-2258 for conduit field bending.		
			<i>For Schedule 60, Add</i>	1.30	
			<i>For Schedule 80, Add</i>	2.33	
26 05 33 13-1482	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	20.79	7.46
			See CSI section 26 05 33 13-2258 for conduit field bending.		
			<i>For Schedule 60, Add</i>	1.47	
			<i>For Schedule 80, Add</i>	2.62	
26 05 33 13-1483	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	24.56	8.47
			See CSI section 26 05 33 13-2258 for conduit field bending.		
			<i>For Schedule 60, Add</i>	1.91	
			<i>For Schedule 80, Add</i>	3.30	
26 05 33 13-1484	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	32.00	10.84
			See CSI section 26 05 33 13-2258 for conduit field bending.		
			<i>For Schedule 60, Add</i>	2.58	
			<i>For Schedule 80, Add</i>	4.43	
26 05 33 13-1485	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	40.53	13.55
			See CSI section 26 05 33 13-2258 for conduit field bending.		
			<i>For Schedule 60, Add</i>	3.36	
			<i>For Schedule 80, Add</i>	5.72	
26 05 33 13-1486	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	51.47	16.94
			See CSI section 26 05 33 13-2258 for conduit field bending.		
			<i>For Schedule 60, Add</i>	4.40	
			<i>For Schedule 80, Add</i>	7.43	
26 05 33 13-1487	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	67.15	20.32
			See CSI section 26 05 33 13-2258 for conduit field bending.		
			<i>For Schedule 60, Add</i>	6.62	
			<i>For Schedule 80, Add</i>	10.80	
26 05 33 13-1488	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	86.16	23.71
			See CSI section 26 05 33 13-2258 for conduit field bending.		
			<i>For Schedule 60, Add</i>	9.68	
			<i>For Schedule 80, Add</i>	15.33	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1489 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	109.45	28.79
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 60, Add	12.96	
For Schedule 80, Add	20.31	
26 05 33 13-1490 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	132.90	33.88
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 60, Add	16.29	
For Schedule 80, Add	25.34	
26 05 33 13-1491 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	190.44	42.35
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 60, Add	26.44	
For Schedule 80, Add	40.19	
26 05 33 13-1492 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	234.90	50.82
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 60, Add	33.32	
For Schedule 80, Add	50.46	
 <b>26 05 33 13-1493     Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows</b> <small>(26 05 33 13-1466)</small>		
See CSI section 26 05 33 13-2258 for conduit field bending.		
26 05 33 13-1494 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	18.76	6.77
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 60, Add	1.30	
For Schedule 80, Add	2.33	
26 05 33 13-1495 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	20.65	7.46
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 60, Add	1.44	
For Schedule 80, Add	2.57	
26 05 33 13-1496 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	24.38	8.47
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 60, Add	1.86	
For Schedule 80, Add	3.24	
26 05 33 13-1497 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	31.46	10.84
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 60, Add	2.45	
For Schedule 80, Add	4.24	
26 05 33 13-1498 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	39.31	13.55
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 60, Add	3.05	
For Schedule 80, Add	5.29	
26 05 33 13-1499 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	50.82	16.94
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 60, Add	4.24	
For Schedule 80, Add	7.20	
26 05 33 13-1500 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	65.94	20.32
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 60, Add	6.32	
For Schedule 80, Add	10.37	
26 05 33 13-1501 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	84.62	23.71
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 60, Add	9.30	
For Schedule 80, Add	14.79	
26 05 33 13-1502 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	105.13	28.79
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 60, Add	11.88	
For Schedule 80, Add	18.80	
26 05 33 13-1503 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	129.19	33.88
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 60, Add	15.36	
For Schedule 80, Add	24.04	
26 05 33 13-1504 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	185.64	42.35
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 60, Add	25.24	
For Schedule 80, Add	38.51	
26 05 33 13-1505 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	220.60	50.82
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 60, Add	29.74	
For Schedule 80, Add	45.45	
 <b>26 05 33 13-1506     Polyvinyl Chloride (PVC) Conduit Female Adapters</b> <small>(26 05 33 13-1466)</small>		
26 05 33 13-1507 EA 1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	12.70	4.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.56	
26 05 33 13-1508 EA 3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	14.68	5.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.07	
26 05 33 13-1509 EA 1" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	16.79	6.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.57	
26 05 33 13-1510 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	19.08	6.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.08	
26 05 33 13-1511 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	23.48	8.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.35	
26 05 33 13-1512 EA 2" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	28.66	10.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.62	
26 05 33 13-1513 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	40.00	13.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.16	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1514 EA 3" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	50.72	16.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.71	
26 05 33 13-1515 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	65.70	22.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.52	
26 05 33 13-1516 EA 4" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	78.83	27.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.33	
26 05 33 13-1517 EA 5" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	106.94	33.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.41	
26 05 33 13-1518 EA 6" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	132.68	42.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.76	
<b>26 05 33 13-1519 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug (26 05 33 13-1466)</b>		
26 05 33 13-1520 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	17.10	4.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.05	
26 05 33 13-1521 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	19.27	4.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.56	
26 05 33 13-1522 EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	21.47	5.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.07	
26 05 33 13-1523 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	26.12	6.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.57	
26 05 33 13-1524 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	29.13	6.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.08	
26 05 33 13-1525 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	35.41	7.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.84	
26 05 33 13-1526 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	39.48	8.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.61	
26 05 33 13-1527 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	44.38	10.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.62	
26 05 33 13-1528 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	52.89	11.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.89	
26 05 33 13-1529 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	57.51	13.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.16	
26 05 33 13-1530 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	75.07	15.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.43	
26 05 33 13-1531 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	84.60	16.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.71	
<b>26 05 33 13-1532 Polyvinyl Chloride (PVC) Conduit Terminal Adapters (26 05 33 13-1466)</b>		
26 05 33 13-1533 EA 1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	13.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.91	
26 05 33 13-1534 EA 3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	16.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.68	
26 05 33 13-1535 EA 1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	18.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.20	
26 05 33 13-1536 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	21.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-1537 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	23.18	8.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.35	
26 05 33 13-1538 EA 2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	28.25	10.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.62	
26 05 33 13-1539 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	39.18	13.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.16	
26 05 33 13-1540 EA 3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	49.58	16.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.71	
26 05 33 13-1541 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	64.24	22.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.52	
26 05 33 13-1542 EA 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	77.33	27.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.33	
26 05 33 13-1543 EA 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	103.99	33.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.41	
26 05 33 13-1544 EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	129.14	42.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.76	
<b>26 05 33 13-1545 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover (26 05 33 13-1466)</b>		
26 05 33 13-1546 EA 1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	41.82	13.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.16	
26 05 33 13-1547 EA 3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	49.34	15.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.43	
26 05 33 13-1548 EA 1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	54.76	16.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.71	
26 05 33 13-1549 EA 1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	68.55	20.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.25	
26 05 33 13-1550 EA 1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	84.24	25.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.05	
26 05 33 13-1551 EA 2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	112.97	30.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.87	
26 05 33 13-1552 EA 2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	223.39	33.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1553 EA 3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	236.65	37.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.95	
26 05 33 13-1554 EA 3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover .....	254.11	42.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.76	
26 05 33 13-1555 EA 4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	280.64	49.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.84	
<b>26 05 33 13-1556 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover</b> <small>(26 05 33 13-1466)</small>		
26 05 33 13-1557 EA 1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....	54.43	17.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.16	
26 05 33 13-1558 EA 3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....	61.47	19.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.48	
26 05 33 13-1559 EA 1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....	66.12	21.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.79	
26 05 33 13-1560 EA 1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....	85.81	24.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.42	
26 05 33 13-1561 EA 1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....	103.35	29.83
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.37	
26 05 33 13-1562 EA 2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....	129.72	35.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.32	
<b>26 05 33 13-1563 Polyvinyl Chloride (PVC) Conduit Expansion Joint</b> <small>(26 05 33 13-1466)</small>		
26 05 33 13-1564 EA 1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	110.54	16.94
26 05 33 13-1565 EA 3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	120.70	20.32
26 05 33 13-1566 EA 1" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	131.90	23.71
26 05 33 13-1567 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	142.06	27.10
26 05 33 13-1568 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	151.79	30.48
26 05 33 13-1569 EA 2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	164.71	33.88
26 05 33 13-1570 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	205.67	38.96
26 05 33 13-1571 EA 3" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	250.65	44.04
26 05 33 13-1572 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	294.58	50.82
26 05 33 13-1573 EA 4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	352.30	59.29
26 05 33 13-1574 EA 5" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	476.98	71.14
26 05 33 13-1575 EA 6" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	630.66	91.46
<b>26 05 33 13-1576 Polyvinyl Chloride (PVC) Conduit End Caps</b> <small>(26 05 33 13-1466)</small>		
26 05 33 13-1577 EA 1/2" Polyvinyl Chloride (PVC) Conduit End Cap .....	12.03	3.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.54	
26 05 33 13-1578 EA 3/4" Polyvinyl Chloride (PVC) Conduit End Cap .....	14.11	4.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.05	
26 05 33 13-1579 EA 1" Polyvinyl Chloride (PVC) Conduit End Cap.....	16.13	4.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.56	
26 05 33 13-1580 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap .....	19.69	5.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.07	
26 05 33 13-1581 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap .....	23.31	6.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.57	
26 05 33 13-1582 EA 2" Polyvinyl Chloride (PVC) Conduit End Cap .....	28.18	6.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.08	
26 05 33 13-1583 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap .....	43.46	7.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.84	
26 05 33 13-1584 EA 3" Polyvinyl Chloride (PVC) Conduit End Cap.....	47.13	8.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.61	
26 05 33 13-1585 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap .....	62.68	9.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 05 33 13-1586 EA 4" Polyvinyl Chloride (PVC) Conduit End Cap.....	78.16	10.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.88	
26 05 33 13-1587 EA 5" Polyvinyl Chloride (PVC) Conduit End Cap.....	91.07	11.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.89	
26 05 33 13-1588 EA 6" Polyvinyl Chloride (PVC) Conduit End Cap.....	117.68	13.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.16	
<b>26 05 33 13-1589 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways)</b> <small>(26 05 33 13-1466)</small>		
26 05 33 13-1590 EA 2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200).....	112.52	30.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.87	
26 05 33 13-1591 EA 3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121).....	124.12	20.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.25	
26 05 33 13-1592 EA 1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251).....	309.40	33.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.41	
26 05 33 13-1593 EA 3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401).....	611.74	49.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.84	
<b>26 05 33 13-1594 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit</b> <small>(26 05 33 13-0058)</small>		
Note: Exposed installation. Excludes supporting strap, hanger and fastening.		



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>26 05 33 13-1595</b>		<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit</b> <small>(26 05 33 13-1594)</small>		
26 05 33 13-1596	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	9.16	1.39
26 05 33 13-1597	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	10.23	1.52
26 05 33 13-1598	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	11.24	1.76
26 05 33 13-1599	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	12.24	2.03
26 05 33 13-1600	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	13.67	2.37
26 05 33 13-1601	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	14.72	2.71
26 05 33 13-1602	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	17.57	3.22
26 05 33 13-1603	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	20.75	3.73
26 05 33 13-1604	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	23.87	4.40
26 05 33 13-1605	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	27.83	5.42
26 05 33 13-1606	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	36.90	7.63
26 05 33 13-1607	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	47.72	10.16

<b>26 05 33 13-1608</b>		<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows</b> <small>(26 05 33 13-1594)</small>		
26 05 33 13-1609	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	122.37	6.77
		<i>For 24" Radius, Add</i>	8.75	
		<i>For 36" Radius, Add</i>	12.24	
		<i>For 48" Radius, Add</i>	15.72	
26 05 33 13-1610	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	136.66	7.46
		<i>For 24" Radius, Add</i>	9.78	
		<i>For 36" Radius, Add</i>	13.67	
		<i>For 48" Radius, Add</i>	17.55	
26 05 33 13-1611	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	140.40	8.47
		<i>For 24" Radius, Add</i>	10.00	
		<i>For 36" Radius, Add</i>	14.04	
		<i>For 48" Radius, Add</i>	18.08	
26 05 33 13-1612	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	147.49	10.84
		<i>For 24" Radius, Add</i>	10.38	
		<i>For 36" Radius, Add</i>	14.75	
		<i>For 48" Radius, Add</i>	19.11	
26 05 33 13-1613	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	155.47	13.55
		<i>For 24" Radius, Add</i>	10.81	
		<i>For 36" Radius, Add</i>	15.55	
		<i>For 48" Radius, Add</i>	20.28	
26 05 33 13-1614	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	180.71	16.94
		<i>For 24" Radius, Add</i>	12.49	
		<i>For 36" Radius, Add</i>	18.07	
		<i>For 48" Radius, Add</i>	23.65	
26 05 33 13-1615	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	216.42	20.32
		<i>For 24" Radius, Add</i>	14.96	
		<i>For 36" Radius, Add</i>	21.64	
		<i>For 48" Radius, Add</i>	28.32	
26 05 33 13-1616	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	258.01	23.71
		<i>For 24" Radius, Add</i>	17.87	
		<i>For 36" Radius, Add</i>	25.80	
		<i>For 48" Radius, Add</i>	33.73	
26 05 33 13-1617	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	295.55	28.79
		<i>For 24" Radius, Add</i>	20.37	
		<i>For 36" Radius, Add</i>	29.56	
		<i>For 48" Radius, Add</i>	38.74	
26 05 33 13-1618	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	333.09	33.88
		<i>For 24" Radius, Add</i>	22.86	
		<i>For 36" Radius, Add</i>	33.31	
		<i>For 48" Radius, Add</i>	43.75	
26 05 33 13-1619	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	416.36	42.35
		<i>For 24" Radius, Add</i>	28.58	
		<i>For 36" Radius, Add</i>	41.64	
		<i>For 48" Radius, Add</i>	54.69	
26 05 33 13-1620	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	515.16	50.82
		<i>For 24" Radius, Add</i>	35.46	
		<i>For 36" Radius, Add</i>	51.52	
		<i>For 48" Radius, Add</i>	67.57	

<b>26 05 33 13-1621</b>		<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows</b> <small>(26 05 33 13-1594)</small>		
26 05 33 13-1622	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	103.39	6.77
		<i>For 24" Radius, Add</i>	7.33	
		<i>For 36" Radius, Add</i>	10.34	
		<i>For 48" Radius, Add</i>	13.35	
26 05 33 13-1623	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	115.42	7.46
		<i>For 24" Radius, Add</i>	8.19	
		<i>For 36" Radius, Add</i>	11.54	
		<i>For 48" Radius, Add</i>	14.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1624 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	118.94	8.47
<i>For 24" Radius, Add</i>	8.39	
<i>For 36" Radius, Add</i>	11.89	
<i>For 48" Radius, Add</i>	15.40	
26 05 33 13-1625 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	125.82	10.84
<i>For 24" Radius, Add</i>	8.76	
<i>For 36" Radius, Add</i>	12.58	
<i>For 48" Radius, Add</i>	16.41	
26 05 33 13-1626 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	133.58	13.55
<i>For 24" Radius, Add</i>	9.17	
<i>For 36" Radius, Add</i>	13.36	
<i>For 48" Radius, Add</i>	17.54	
26 05 33 13-1627 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	155.80	16.94
<i>For 24" Radius, Add</i>	10.63	
<i>For 36" Radius, Add</i>	15.58	
<i>For 48" Radius, Add</i>	20.53	
26 05 33 13-1628 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	186.61	20.32
<i>For 24" Radius, Add</i>	12.73	
<i>For 36" Radius, Add</i>	18.66	
<i>For 48" Radius, Add</i>	24.60	
26 05 33 13-1629 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	222.24	23.71
<i>For 24" Radius, Add</i>	15.19	
<i>For 36" Radius, Add</i>	22.22	
<i>For 48" Radius, Add</i>	29.26	
26 05 33 13-1630 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	255.31	28.79
<i>For 24" Radius, Add</i>	17.35	
<i>For 36" Radius, Add</i>	25.53	
<i>For 48" Radius, Add</i>	33.71	
26 05 33 13-1631 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	288.38	33.88
<i>For 24" Radius, Add</i>	19.51	
<i>For 36" Radius, Add</i>	28.84	
<i>For 48" Radius, Add</i>	38.16	
26 05 33 13-1632 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	360.47	42.35
<i>For 24" Radius, Add</i>	24.39	
<i>For 36" Radius, Add</i>	36.05	
<i>For 48" Radius, Add</i>	47.71	
26 05 33 13-1633 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	445.30	50.82
<i>For 24" Radius, Add</i>	30.22	
<i>For 36" Radius, Add</i>	44.53	
<i>For 48" Radius, Add</i>	58.84	
<b>26 05 33 13-1634 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows</b>		
<small>(26 05 33 13-1594)</small>		
26 05 33 13-1635 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	96.42	6.09
<i>For 24" Radius, Add</i>	6.85	
<i>For 36" Radius, Add</i>	9.64	
<i>For 48" Radius, Add</i>	12.43	
26 05 33 13-1636 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	107.65	6.70
<i>For 24" Radius, Add</i>	7.65	
<i>For 36" Radius, Add</i>	10.77	
<i>For 48" Radius, Add</i>	13.88	
26 05 33 13-1637 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	110.87	7.63
<i>For 24" Radius, Add</i>	7.84	
<i>For 36" Radius, Add</i>	11.09	
<i>For 48" Radius, Add</i>	14.34	
26 05 33 13-1638 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	117.09	9.76
<i>For 24" Radius, Add</i>	8.17	
<i>For 36" Radius, Add</i>	11.71	
<i>For 48" Radius, Add</i>	15.25	
26 05 33 13-1639 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	124.10	12.20
<i>For 24" Radius, Add</i>	8.55	
<i>For 36" Radius, Add</i>	12.41	
<i>For 48" Radius, Add</i>	16.27	
26 05 33 13-1640 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	144.64	15.24
<i>For 24" Radius, Add</i>	9.90	
<i>For 36" Radius, Add</i>	14.46	
<i>For 48" Radius, Add</i>	19.03	
26 05 33 13-1641 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	173.25	18.29
<i>For 24" Radius, Add</i>	11.85	
<i>For 36" Radius, Add</i>	17.33	
<i>For 48" Radius, Add</i>	22.80	
26 05 33 13-1642 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	206.36	21.35
<i>For 24" Radius, Add</i>	14.14	
<i>For 36" Radius, Add</i>	20.64	
<i>For 48" Radius, Add</i>	27.13	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1643	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....	236.93	25.91
			For 24" Radius, Add	16.15	
			For 36" Radius, Add	23.69	
			For 48" Radius, Add	31.24	
26 05 33 13-1644	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....	267.49	30.48
			For 24" Radius, Add	18.16	
			For 36" Radius, Add	26.75	
			For 48" Radius, Add	35.34	
26 05 33 13-1645	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....	334.37	38.11
			For 24" Radius, Add	22.70	
			For 36" Radius, Add	33.44	
			For 48" Radius, Add	44.18	
26 05 33 13-1646	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....	413.19	45.74
			For 24" Radius, Add	28.13	
			For 36" Radius, Add	41.32	
			For 48" Radius, Add	54.51	
<b>26 05 33 13-1647</b>			<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows</b> <small>(26 05 33 13-1594)</small>		
26 05 33 13-1648	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	91.15	6.09
			For 24" Radius, Add	6.46	
			For 36" Radius, Add	9.12	
			For 48" Radius, Add	11.77	
26 05 33 13-1649	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	101.75	6.70
			For 24" Radius, Add	7.21	
			For 36" Radius, Add	10.18	
			For 48" Radius, Add	13.14	
26 05 33 13-1650	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	104.91	7.63
			For 24" Radius, Add	7.39	
			For 36" Radius, Add	10.49	
			For 48" Radius, Add	13.59	
26 05 33 13-1651	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	111.07	9.76
			For 24" Radius, Add	7.72	
			For 36" Radius, Add	11.11	
			For 48" Radius, Add	14.49	
26 05 33 13-1652	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	118.02	12.20
			For 24" Radius, Add	8.09	
			For 36" Radius, Add	11.80	
			For 48" Radius, Add	15.51	
26 05 33 13-1653	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	137.73	15.24
			For 24" Radius, Add	9.38	
			For 36" Radius, Add	13.77	
			For 48" Radius, Add	18.17	
26 05 33 13-1654	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	164.97	18.29
			For 24" Radius, Add	11.23	
			For 36" Radius, Add	16.50	
			For 48" Radius, Add	21.76	
26 05 33 13-1655	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	196.43	21.35
			For 24" Radius, Add	13.40	
			For 36" Radius, Add	19.64	
			For 48" Radius, Add	25.89	
26 05 33 13-1656	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	225.75	25.91
			For 24" Radius, Add	15.31	
			For 36" Radius, Add	22.58	
			For 48" Radius, Add	29.84	
26 05 33 13-1657	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	255.07	30.48
			For 24" Radius, Add	17.22	
			For 36" Radius, Add	25.51	
			For 48" Radius, Add	33.79	
26 05 33 13-1658	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	318.84	38.11
			For 24" Radius, Add	21.53	
			For 36" Radius, Add	31.88	
			For 48" Radius, Add	42.24	
26 05 33 13-1659	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	393.78	45.74
			For 24" Radius, Add	26.68	
			For 36" Radius, Add	39.38	
			For 48" Radius, Add	52.08	
<b>26 05 33 13-1660</b>			<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings</b> <small>(26 05 33 13-1594)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1661	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	55.51	4.74
26 05 33 13-1662	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	62.19	5.42
26 05 33 13-1663	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	64.38	6.09
26 05 33 13-1664	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	66.49	6.77
26 05 33 13-1665	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	71.72	8.47
26 05 33 13-1666	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	85.59	10.16
26 05 33 13-1667	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	106.33	13.55
26 05 33 13-1668	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	129.29	16.94
26 05 33 13-1669	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	152.86	22.02
26 05 33 13-1670	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	176.43	27.10
26 05 33 13-1671	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	220.53	33.88
26 05 33 13-1672	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	275.60	42.35
<b>26 05 33 13-1673</b>				<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings</b> <small>(26 05 33 13-1594)</small>		
26 05 33 13-1674	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	36.49	4.74
26 05 33 13-1675	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	40.91	5.42
26 05 33 13-1676	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	42.90	6.09
26 05 33 13-1677	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	44.89	6.77
26 05 33 13-1678	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	49.40	8.47
26 05 33 13-1679	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	53.80	10.16
26 05 33 13-1680	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	67.95	13.55
26 05 33 13-1681	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	83.26	16.94
26 05 33 13-1682	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	101.07	22.02
26 05 33 13-1683	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	118.88	27.10
26 05 33 13-1684	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	148.65	33.88
26 05 33 13-1685	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	185.76	42.35
<b>26 05 33 13-1686</b>				<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings</b> <small>(26 05 33 13-1594)</small>		
26 05 33 13-1687	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	42.48	3.90
26 05 33 13-1688	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	47.58	5.42
26 05 33 13-1689	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	49.64	6.09
26 05 33 13-1690	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	51.55	6.77
26 05 33 13-1691	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	56.57	8.47
26 05 33 13-1692	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	67.55	10.16
26 05 33 13-1693	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	84.43	13.55
26 05 33 13-1694	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	103.00	16.94
26 05 33 13-1695	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	123.28	22.02
26 05 33 13-1696	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	143.55	27.10
26 05 33 13-1697	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	179.41	33.88
26 05 33 13-1698	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	224.30	42.35
<b>26 05 33 13-1699</b>				<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints</b> <small>(26 05 33 13-1594)</small>		
26 05 33 13-1700	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	76.09	16.94
26 05 33 13-1701	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	88.25	20.32
26 05 33 13-1702	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	97.13	23.71
26 05 33 13-1703	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	105.84	27.10
26 05 33 13-1704	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	115.18	30.48
26 05 33 13-1705	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	131.06	33.88
26 05 33 13-1706	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	153.04	38.96
26 05 33 13-1707	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	176.88	44.04
26 05 33 13-1708	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	202.16	50.82
26 05 33 13-1709	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	231.67	59.29
26 05 33 13-1710	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	273.72	67.75
26 05 33 13-1711	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	320.96	76.22
<b>26 05 33 13-1712</b>				<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints</b> <small>(26 05 33 13-1594)</small>		
26 05 33 13-1713	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	89.79	16.94
26 05 33 13-1714	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	103.60	20.32
26 05 33 13-1715	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	112.57	23.71
26 05 33 13-1716	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	121.45	27.10
26 05 33 13-1717	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	130.91	30.48
26 05 33 13-1718	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	149.03	33.88
26 05 33 13-1719	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	174.61	38.96
26 05 33 13-1720	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	202.75	44.04
26 05 33 13-1721	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	231.29	50.82
26 05 33 13-1722	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	264.05	59.29
26 05 33 13-1723	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	314.29	67.75
26 05 33 13-1724	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	371.68	76.22
<b>26 05 33 13-1725</b>				<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters</b> <small>(26 05 33 13-1594)</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-1726	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	124.67	4.74
26 05 33 13-1727	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	138.87	5.42
26 05 33 13-1728	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	144.41	6.09
26 05 33 13-1729	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	150.12	6.77
26 05 33 13-1730	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	156.42	8.47
26 05 33 13-1731	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	173.53	10.16
26 05 33 13-1732	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	211.65	13.55
26 05 33 13-1733	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	255.56	16.94
26 05 33 13-1734	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	294.92	22.02
26 05 33 13-1735	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	334.28	27.10
26 05 33 13-1736	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	417.96	33.88
26 05 33 13-1737	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	519.86	42.35

**26 05 33 13-1738 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints** (26 05 33 13-1594)

26 05 33 13-1739	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	113.62	16.94
26 05 33 13-1740	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	130.02	20.32
26 05 33 13-1741	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	157.13	23.71
26 05 33 13-1742	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	199.66	27.10
26 05 33 13-1743	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	257.05	30.48
26 05 33 13-1744	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	352.68	33.88
26 05 33 13-1745	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	519.10	38.96
26 05 33 13-1746	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	633.01	44.04
26 05 33 13-1747	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	770.14	50.82
26 05 33 13-1748	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	911.49	59.29
26 05 33 13-1749	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	1,076.05	67.75
26 05 33 13-1750	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	1,729.77	76.22

**26 05 33 13-1751 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover** (26 05 33 13-1594)

26 05 33 13-1752	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	96.97	13.55
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	10.16	
26 05 33 13-1753	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	113.34	15.24
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	11.43	
26 05 33 13-1754	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	157.05	16.94
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	12.71	
26 05 33 13-1755	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	192.51	20.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	15.25	
26 05 33 13-1756	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	245.69	25.40
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	19.05	
26 05 33 13-1757	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	346.11	30.48
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	22.87	
26 05 33 13-1758	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	594.97	35.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	26.68	
26 05 33 13-1759	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	776.37	40.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	30.49	
26 05 33 13-1760	EA	3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover .....	936.68	47.43
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	35.57	
26 05 33 13-1761	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	1,097.00	54.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	40.65	
26 05 33 13-1762	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	1,299.47	60.98
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	45.73	
26 05 33 13-1763	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	1,476.67	67.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	50.82	

**26 05 33 13-1764 Explosion Proof Conduit Fittings** (26 05 33 13-0058)  
 Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.

**26 05 33 13-1765 Explosion Proof Malleable Iron Conduit Unions** (26 05 33 13-1764)

26 05 33 13-1766	EA	1/2" Explosion Proof Malleable Iron Conduit Union .....	39.82	7.32
26 05 33 13-1767	EA	3/4" Explosion Proof Malleable Iron Conduit Union .....	49.83	8.08
26 05 33 13-1768	EA	1" Explosion Proof Malleable Iron Conduit Union .....	80.73	10.78
26 05 33 13-1769	EA	1-1/4" Explosion Proof Malleable Iron Conduit Union .....	108.75	11.94
26 05 33 13-1770	EA	1-1/2" Explosion Proof Malleable Iron Conduit Union .....	137.16	14.63
26 05 33 13-1771	EA	2" Explosion Proof Malleable Iron Conduit Union .....	171.91	16.94
26 05 33 13-1772	EA	2-1/2" Explosion Proof Malleable Iron Conduit Union .....	262.87	24.20





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1773 EA 3" Explosion Proof Malleable Iron Conduit Union .....	335.68	28.81
26 05 33 13-1774 EA 3-1/2" Explosion Proof Malleable Iron Conduit Union .....	574.89	34.58
26 05 33 13-1775 EA 4" Explosion Proof Malleable Iron Conduit Union .....	603.66	44.18
<b>26 05 33 13-1776 Explosion Proof Malleable Iron Conduit Bodies</b> <small>(26 05 33 13-1764)</small>		
26 05 33 13-1777 EA 1/2" Explosion Proof Malleable Iron Two Hub Conduit Body .....	143.26	23.10
26 05 33 13-1778 EA 3/4" Explosion Proof Malleable Iron Two Hub Conduit Body .....	161.37	26.18
26 05 33 13-1779 EA 1" Explosion Proof Malleable Iron Two Hub Conduit Body .....	190.44	28.87
26 05 33 13-1780 EA 1/2" Explosion Proof Malleable Iron Three Hub Conduit Body.....	159.32	28.87
26 05 33 13-1781 EA 3/4" Explosion Proof Malleable Iron Three Hub Conduit Body.....	189.61	34.65
26 05 33 13-1782 EA 1" Explosion Proof Malleable Iron Three Hub Conduit Body.....	225.51	39.65
<b>26 05 33 13-1783 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical</b> <small>(26 05 33 13-1764)</small>		
<small>Note: Includes sealing gasket and lock nut.</small>		
26 05 33 13-1784 EA 1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical .....	118.36	19.24
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	14.43	
26 05 33 13-1785 EA 3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical .....	119.38	21.55
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	16.17	
26 05 33 13-1786 EA 1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	130.35	23.48
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	17.61	
26 05 33 13-1787 EA 1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	168.64	28.87
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	21.65	
26 05 33 13-1788 EA 1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	217.78	33.87
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	25.41	
26 05 33 13-1789 EA 2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	284.11	38.50
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	28.87	
26 05 33 13-1790 EA 2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	402.07	57.62
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	43.22	
26 05 33 13-1791 EA 3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	508.69	72.22
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	54.17	
26 05 33 13-1792 EA 3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	737.31	79.52
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	59.64	
26 05 33 13-1793 EA 4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	964.98	86.44
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	64.83	
<b>26 05 33 13-1794 Explosion Proof Flexible Conduit Couplings</b> <small>(26 05 33 13-1764)</small>		
26 05 33 13-1795 EA 1/2" x 12" Explosion Proof Flexible Conduit Coupling.....	353.18	8.85
26 05 33 13-1796 EA 3/4" x 15" Explosion Proof Flexible Conduit Coupling.....	463.41	10.01
<b>26 05 33 13-1797 Conduit Installed Below Grade</b> <small>(26 05 33 13-0057)</small>		
<small>Note: By direct burial in trench or in concrete slabs or duct banks. Includes detectable warning tape for underground conduits. Excludes trenching, backfilling and concrete.</small>		
<b>26 05 33 13-1798 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial</b> <small>(26 05 33 13-1797)</small>		
<b>26 05 33 13-1799 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial</b> <small>(26 05 33 13-1798)</small>		
<small>Note: Includes field bend conduit up to 1".</small>		
26 05 33 13-1800 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	3.45	
<small>For Schedule 60, Add</small>		
	0.31	
<small>For Schedule 80, Add</small>		
	0.52	
26 05 33 13-1801 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	3.89	
<small>For Schedule 60, Add</small>		
	0.38	
<small>For Schedule 80, Add</small>		
	0.62	
26 05 33 13-1802 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	4.56	
<small>For Schedule 60, Add</small>		
	0.50	
<small>For Schedule 80, Add</small>		
	0.80	
26 05 33 13-1803 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	5.23	
<small>For Schedule 60, Add</small>		
	0.63	
<small>For Schedule 80, Add</small>		
	0.98	
26 05 33 13-1804 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	5.80	
<small>For Schedule 60, Add</small>		
	0.73	
<small>For Schedule 80, Add</small>		
	1.13	
26 05 33 13-1805 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	6.71	
<small>For Schedule 60, Add</small>		
	0.92	
<small>For Schedule 80, Add</small>		
	1.40	
26 05 33 13-1806 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	8.65	
<small>For Schedule 60, Add</small>		
	1.36	
<small>For Schedule 80, Add</small>		
	2.02	
26 05 33 13-1807 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	9.75	
<small>For Schedule 60, Add</small>		
	1.59	
<small>For Schedule 80, Add</small>		
	2.35	
26 05 33 13-1808 LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	11.49	
<small>For Schedule 60, Add</small>		
	1.98	
<small>For Schedule 80, Add</small>		
	2.91	
26 05 33 13-1809 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	12.40	
<small>For Schedule 60, Add</small>		
	2.17	
<small>For Schedule 80, Add</small>		
	3.18	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1810	LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial .....	16.18	
	<i>For Schedule 60, Add</i>	3.07	
	<i>For Schedule 80, Add</i>	4.45	
26 05 33 13-1811	LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial .....	20.01	
	<i>For Schedule 60, Add</i>	3.99	
	<i>For Schedule 80, Add</i>	5.73	
<b>26 05 33 13-1812 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial</b>			
<small>(26 05 33 13-1798)</small>			
See CSI section 26 05 33 13-2258 for conduit field bending.			
26 05 33 13-1813	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	22.99	
	<i>For Schedule 60, Add</i>	1.51	
	<i>For Schedule 80, Add</i>	2.75	
26 05 33 13-1814	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	27.56	
	<i>For Schedule 60, Add</i>	1.81	
	<i>For Schedule 80, Add</i>	3.30	
26 05 33 13-1815	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	33.03	
	<i>For Schedule 60, Add</i>	2.33	
	<i>For Schedule 80, Add</i>	4.15	
26 05 33 13-1816	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	38.78	
	<i>For Schedule 60, Add</i>	2.92	
	<i>For Schedule 80, Add</i>	5.10	
26 05 33 13-1817	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	44.76	
	<i>For Schedule 60, Add</i>	3.57	
	<i>For Schedule 80, Add</i>	6.14	
26 05 33 13-1818	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	51.47	
	<i>For Schedule 60, Add</i>	4.40	
	<i>For Schedule 80, Add</i>	7.43	
26 05 33 13-1819	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	62.91	
	<i>For Schedule 60, Add</i>	6.41	
	<i>For Schedule 80, Add</i>	10.37	
26 05 33 13-1820	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	77.69	
	<i>For Schedule 60, Add</i>	9.26	
	<i>For Schedule 80, Add</i>	14.49	
26 05 33 13-1821	EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	96.75	
	<i>For Schedule 60, Add</i>	12.33	
	<i>For Schedule 80, Add</i>	19.04	
26 05 33 13-1822	EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	115.96	
	<i>For Schedule 60, Add</i>	15.44	
	<i>For Schedule 80, Add</i>	23.65	
26 05 33 13-1823	EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	160.80	
	<i>For Schedule 60, Add</i>	24.96	
	<i>For Schedule 80, Add</i>	37.23	
26 05 33 13-1824	EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	192.55	
	<i>For Schedule 60, Add</i>	31.20	
	<i>For Schedule 80, Add</i>	46.22	
<b>26 05 33 13-1825 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial</b>			
<small>(26 05 33 13-1798)</small>			
See CSI section 26 05 33 13-2258 for conduit field bending.			
26 05 33 13-1826	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	22.99	
	<i>For Schedule 60, Add</i>	1.51	
	<i>For Schedule 80, Add</i>	2.75	
26 05 33 13-1827	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	27.42	
	<i>For Schedule 60, Add</i>	1.78	
	<i>For Schedule 80, Add</i>	3.25	
26 05 33 13-1828	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	32.85	
	<i>For Schedule 60, Add</i>	2.28	
	<i>For Schedule 80, Add</i>	4.09	
26 05 33 13-1829	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	38.24	
	<i>For Schedule 60, Add</i>	2.78	
	<i>For Schedule 80, Add</i>	4.91	
26 05 33 13-1830	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	43.54	
	<i>For Schedule 60, Add</i>	3.26	
	<i>For Schedule 80, Add</i>	5.71	
26 05 33 13-1831	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	50.82	
	<i>For Schedule 60, Add</i>	4.24	
	<i>For Schedule 80, Add</i>	7.20	
26 05 33 13-1832	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	61.70	
	<i>For Schedule 60, Add</i>	6.11	
	<i>For Schedule 80, Add</i>	9.95	
26 05 33 13-1833	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	76.15	
	<i>For Schedule 60, Add</i>	8.87	
	<i>For Schedule 80, Add</i>	13.95	
26 05 33 13-1834	EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	92.43	
	<i>For Schedule 60, Add</i>	11.25	
	<i>For Schedule 80, Add</i>	17.53	
26 05 33 13-1835	EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	112.25	
	<i>For Schedule 60, Add</i>	14.51	
	<i>For Schedule 80, Add</i>	22.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1836 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	156.00	
For Schedule 60, Add	23.76	
For Schedule 80, Add	35.55	
26 05 33 13-1837 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	178.25	
For Schedule 60, Add	27.62	
For Schedule 80, Add	41.22	
<b>26 05 33 13-1838 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial</b> <small>(26 05 33 13-1798)</small>		
26 05 33 13-1839 EA 1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	12.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.56	
26 05 33 13-1840 EA 3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	14.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.07	
26 05 33 13-1841 EA 1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	16.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.57	
26 05 33 13-1842 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	19.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.08	
26 05 33 13-1843 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	20.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.59	
26 05 33 13-1844 EA 2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	23.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.10	
26 05 33 13-1845 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	28.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.86	
26 05 33 13-1846 EA 3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	33.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.62	
26 05 33 13-1847 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	40.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.89	
26 05 33 13-1848 EA 4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	44.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.16	
26 05 33 13-1849 EA 5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	60.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.43	
26 05 33 13-1850 EA 6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	69.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.71	
<b>26 05 33 13-1851 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial</b> <small>(26 05 33 13-1798)</small>		
26 05 33 13-1852 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	17.10	
26 05 33 13-1853 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	19.27	
26 05 33 13-1854 EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	21.47	
26 05 33 13-1855 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	27.82	
26 05 33 13-1856 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	30.82	
26 05 33 13-1857 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	35.41	
26 05 33 13-1858 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	39.48	
26 05 33 13-1859 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	44.38	
26 05 33 13-1860 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	52.89	
26 05 33 13-1861 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	57.51	
26 05 33 13-1862 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	75.07	
26 05 33 13-1863 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	84.60	
<b>26 05 33 13-1864 Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial</b> <small>(26 05 33 13-1798)</small>		
26 05 33 13-1865 EA 1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial .....	12.55	
26 05 33 13-1866 EA 3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial .....	14.68	
26 05 33 13-1867 EA 1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial .....	16.60	
26 05 33 13-1868 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial .....	18.74	
26 05 33 13-1869 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	20.64	
26 05 33 13-1870 EA 2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	23.17	
26 05 33 13-1871 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	28.17	
26 05 33 13-1872 EA 3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	32.63	
26 05 33 13-1873 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	38.83	
26 05 33 13-1874 EA 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	43.46	
26 05 33 13-1875 EA 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	57.41	
26 05 33 13-1876 EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	65.63	
<b>26 05 33 13-1877 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial</b> <small>(26 05 33 13-1797)</small>		
Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
<b>26 05 33 13-1878 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial</b> <small>(26 05 33 13-1877)</small>		
Note: Includes field bending for conduit up to 1".		
26 05 33 13-1879 LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	10.45	1.85
For >250 To 500, Deduct	-0.40	
For >500 To 1,000, Deduct	-0.66	
For >1,000, Deduct	-0.92	
26 05 33 13-1880 LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	11.78	2.28
For >250 To 500, Deduct	-0.46	
For >500 To 1,000, Deduct	-0.75	
For >1,000, Deduct	-1.05	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1881	LF		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	14.58	2.55
			<i>For &gt;250 To 500, Deduct</i>	-0.58	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.94	
			<i>For &gt;1,000, Deduct</i>	-1.30	
26 05 33 13-1882	LF		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	17.72	3.42
			<i>For &gt;250 To 500, Deduct</i>	-0.71	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.15	
			<i>For &gt;1,000, Deduct</i>	-1.60	
26 05 33 13-1883	LF		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	20.90	3.86
			<i>For &gt;250 To 500, Deduct</i>	-0.85	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.37	
			<i>For &gt;1,000, Deduct</i>	-1.89	
26 05 33 13-1884	LF		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	26.59	4.21
			<i>For &gt;250 To 500, Deduct</i>	-1.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.75	
			<i>For &gt;1,000, Deduct</i>	-2.42	
26 05 33 13-1885	LF		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	38.85	6.32
			<i>For &gt;250 To 500, Deduct</i>	-1.61	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.58	
			<i>For &gt;1,000, Deduct</i>	-3.56	
26 05 33 13-1886	LF		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	49.95	7.90
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.31	
			<i>For &gt;1,000, Deduct</i>	-4.56	
26 05 33 13-1887	LF		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	61.56	8.34
			<i>For &gt;250 To 500, Deduct</i>	-2.53	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.07	
			<i>For &gt;1,000, Deduct</i>	-5.61	
26 05 33 13-1888	LF		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	73.03	9.21
			<i>For &gt;250 To 500, Deduct</i>	-2.99	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.82	
			<i>For &gt;1,000, Deduct</i>	-6.65	
26 05 33 13-1889	LF		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	116.14	12.72
			<i>For &gt;250 To 500, Deduct</i>	-4.97	
			<i>For &gt;500 To 1,000, Deduct</i>	-7.88	
			<i>For &gt;1,000, Deduct</i>	-10.78	
26 05 33 13-1890	LF		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	155.58	16.67
			<i>For &gt;250 To 500, Deduct</i>	-6.73	
			<i>For &gt;500 To 1,000, Deduct</i>	-10.62	
			<i>For &gt;1,000, Deduct</i>	-14.51	

**26 05 33 13-1891 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial** (26 05 33 13-1877)

26 05 33 13-1892	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	11.21	2.63
26 05 33 13-1893	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	13.23	3.51
26 05 33 13-1894	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	16.86	4.38
26 05 33 13-1895	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	19.07	4.83
26 05 33 13-1896	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	22.61	5.70
26 05 33 13-1897	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	29.55	6.58
26 05 33 13-1898	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	56.36	7.90
26 05 33 13-1899	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	71.20	10.97
26 05 33 13-1900	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	88.65	12.72
26 05 33 13-1901	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	108.99	17.55
26 05 33 13-1902	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	289.07	24.13
26 05 33 13-1903	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	296.21	13.59

**26 05 33 13-1904 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial** (26 05 33 13-1877)

Note: 90, 45, or 30 degree.

26 05 33 13-1905	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	42.74	10.97
26 05 33 13-1906	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	48.81	13.59
26 05 33 13-1907	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	58.12	16.67
26 05 33 13-1908	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	69.05	19.30
26 05 33 13-1909	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	81.28	21.93
26 05 33 13-1910	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	100.48	24.13
26 05 33 13-1911	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	158.93	30.27
26 05 33 13-1912	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	239.69	41.23
26 05 33 13-1913	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	299.31	46.50
26 05 33 13-1914	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	339.16	60.53
26 05 33 13-1915	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	722.94	98.70



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1916	EA			6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	1,141.30	148.27
<b>26 05 33 13-1917</b>				<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1877)</small>		
26 05 33 13-1918	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	107.17	16.67
26 05 33 13-1919	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	120.27	19.30
26 05 33 13-1920	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	137.35	21.93
26 05 33 13-1921	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	165.18	24.13
26 05 33 13-1922	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	232.16	30.27
<b>26 05 33 13-1923</b>				<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1877)</small>		
26 05 33 13-1924	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	120.44	16.67
26 05 33 13-1925	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	142.19	19.30
26 05 33 13-1926	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	153.07	21.93
26 05 33 13-1927	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	199.45	24.13
26 05 33 13-1928	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	265.20	30.27
26 05 33 13-1929	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	337.70	41.23
<b>26 05 33 13-1930</b>				<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1877)</small>		
26 05 33 13-1931	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	136.30	16.67
26 05 33 13-1932	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	153.60	19.30
26 05 33 13-1933	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	173.24	21.93
26 05 33 13-1934	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	210.82	24.13
26 05 33 13-1935	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	303.18	30.27
26 05 33 13-1936	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	382.29	41.23
26 05 33 13-1937	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	486.03	46.50
26 05 33 13-1938	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	542.58	60.53
<b>26 05 33 13-1939</b>				<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1877)</small>		
26 05 33 13-1940	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	163.70	16.67
26 05 33 13-1941	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	180.40	19.30
26 05 33 13-1942	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	203.66	21.93
26 05 33 13-1943	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	254.63	24.13
26 05 33 13-1944	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	371.15	30.27
26 05 33 13-1945	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	457.82	41.23
26 05 33 13-1946	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	532.15	46.50
26 05 33 13-1947	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	627.25	60.53
<b>26 05 33 13-1948</b>				<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1877)</small>		
26 05 33 13-1949	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	185.02	16.67
26 05 33 13-1950	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	205.35	19.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1951 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	233.61	21.93
26 05 33 13-1952 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	292.77	24.13
26 05 33 13-1953 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	408.23	30.27
26 05 33 13-1954 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	518.25	41.23
26 05 33 13-1955 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	644.29	46.50
26 05 33 13-1956 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	704.98	60.53
26 05 33 13-1957 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	1,176.71	98.70
<b>26 05 33 13-1958 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1877)</small></b>		
26 05 33 13-1959 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	212.90	16.67
26 05 33 13-1960 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	235.49	19.30
26 05 33 13-1961 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	266.44	21.93
26 05 33 13-1962 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	335.07	24.13
26 05 33 13-1963 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	470.02	30.27
26 05 33 13-1964 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	595.23	41.23
26 05 33 13-1965 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	700.49	46.50
26 05 33 13-1966 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	805.32	60.53
26 05 33 13-1967 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,247.03	98.70
26 05 33 13-1968 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,696.97	148.27
<b>26 05 33 13-1969 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1877)</small></b>		
26 05 33 13-1970 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	251.71	16.67
26 05 33 13-1971 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	262.36	19.30
26 05 33 13-1972 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	310.37	21.93
26 05 33 13-1973 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	393.96	24.13
26 05 33 13-1974 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	553.35	30.27
26 05 33 13-1975 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	699.01	41.23
26 05 33 13-1976 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	856.71	46.50
26 05 33 13-1977 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,000.53	60.53
26 05 33 13-1978 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,476.41	98.70
26 05 33 13-1979 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,802.27	148.27
<b>26 05 33 13-1980 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1877)</small></b>		
26 05 33 13-1981 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	261.06	16.67
26 05 33 13-1982 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	307.81	19.30
26 05 33 13-1983 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	348.37	21.93
26 05 33 13-1984 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	411.67	24.13
26 05 33 13-1985 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	574.16	30.27
26 05 33 13-1986 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	730.92	41.23
26 05 33 13-1987 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	941.79	46.50
26 05 33 13-1988 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,044.80	60.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1989 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,538.04	98.70
26 05 33 13-1990 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,855.77	148.27
<b>26 05 33 13-1991 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial (26 05 33 13-1877)</b>		
26 05 33 13-1992 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	83.96	10.97
26 05 33 13-1993 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	90.36	13.59
26 05 33 13-1994 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	118.01	16.67
26 05 33 13-1995 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	174.87	19.30
26 05 33 13-1996 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	208.23	21.93
26 05 33 13-1997 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	267.30	24.13
26 05 33 13-1998 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	357.09	30.27
26 05 33 13-1999 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	469.37	30.27
26 05 33 13-2000 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	600.14	46.50
26 05 33 13-2001 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	772.25	60.53
26 05 33 13-2002 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,414.52	98.70
26 05 33 13-2003 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,746.12	148.27
<b>26 05 33 13-2004 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial (26 05 33 13-1877)</b>		
26 05 33 13-2005 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	86.05	10.97
26 05 33 13-2006 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	98.34	13.59
26 05 33 13-2007 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	122.27	16.67
26 05 33 13-2008 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	182.68	19.30
26 05 33 13-2009 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	219.07	21.93
26 05 33 13-2010 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	290.71	24.13
26 05 33 13-2011 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	407.17	30.27
26 05 33 13-2012 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	520.30	30.27
26 05 33 13-2013 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	692.22	46.50
26 05 33 13-2014 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	863.99	60.53
26 05 33 13-2015 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,582.69	98.70
26 05 33 13-2016 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	2,017.66	148.27
<b>26 05 33 13-2017 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial (26 05 33 13-1877)</b>		
26 05 33 13-2018 EA 1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	28.11	5.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.16	
26 05 33 13-2019 EA 3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	31.09	6.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 05 33 13-2020 EA 1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.58	8.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.00	
26 05 33 13-2021 EA 1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	42.56	9.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 05 33 13-2022 EA 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	45.96	10.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-2023 EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	31.26	5.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.42	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2024	EA		3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.49	6.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 05 33 13-2025	EA		1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.01	8.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.00	
26 05 33 13-2026	EA		1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.14	9.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 05 33 13-2027	EA		1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.73	10.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-2028	EA		2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.57	12.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.37	
26 05 33 13-2029	EA		1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.43	5.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.42	
26 05 33 13-2030	EA		3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.66	6.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 05 33 13-2031	EA		1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.31	8.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.00	
26 05 33 13-2032	EA		1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.47	9.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 05 33 13-2033	EA		1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.06	10.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-2034	EA		2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.42	12.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.37	
26 05 33 13-2035	EA		1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.71	5.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.42	
26 05 33 13-2036	EA		3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.94	6.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 05 33 13-2037	EA		1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.77	8.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.00	
26 05 33 13-2038	EA		1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.87	9.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 05 33 13-2039	EA		1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.60	10.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-2040	EA		2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.12	12.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.37	
26 05 33 13-2041	EA		2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	79.92	14.92
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.95	
26 05 33 13-2042	EA		3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	102.52	20.62
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.37	
26 05 33 13-2043	EA		1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.88	5.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.42	
26 05 33 13-2044	EA		3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.26	6.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 05 33 13-2045	EA		1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.10	8.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.00	
26 05 33 13-2046	EA		1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.26	9.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 05 33 13-2047	EA		1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.14	10.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-2048	EA		2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.81	12.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.37	
26 05 33 13-2049	EA		2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	82.30	14.92
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.95	
26 05 33 13-2050	EA		3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	107.64	20.62
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.37	
26 05 33 13-2051	EA		3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	129.31	23.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.95	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2052 EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	149.14	30.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 05 33 13-2053 EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	34.19	5.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.42	
26 05 33 13-2054 EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	36.59	6.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 05 33 13-2055 EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	41.46	8.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.00	
26 05 33 13-2056 EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	48.91	9.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-2057 EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	52.81	10.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.58	
26 05 33 13-2058 EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	60.27	12.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 05 33 13-2059 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	91.77	14.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.95	
26 05 33 13-2060 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	115.30	20.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.37	
26 05 33 13-2061 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	130.95	23.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.95	
26 05 33 13-2062 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	153.52	30.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 05 33 13-2063 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	227.98	41.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.00	
26 05 33 13-2064 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	34.80	5.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.42	
26 05 33 13-2065 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	37.19	6.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 05 33 13-2066 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	42.11	8.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.00	
26 05 33 13-2067 EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	50.11	9.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-2068 EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	54.26	10.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.58	
26 05 33 13-2069 EA 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	61.74	12.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 05 33 13-2070 EA 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	101.38	14.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.95	
26 05 33 13-2071 EA 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	125.49	20.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.37	
26 05 33 13-2072 EA 3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	140.13	23.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.95	
26 05 33 13-2073 EA 4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	169.00	30.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 05 33 13-2074 EA 5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	251.12	41.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.00	
26 05 33 13-2075 EA 1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	35.73	5.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.42	
26 05 33 13-2076 EA 3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	38.11	6.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 05 33 13-2077 EA 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	43.55	8.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.00	
26 05 33 13-2078 EA 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	50.42	9.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-2079 EA 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	57.19	10.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.58	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2080	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	68.90	12.28
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.37	
26 05 33 13-2081	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	113.20	14.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.95	
26 05 33 13-2082	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	139.43	20.62
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.37	
26 05 33 13-2083	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	163.10	23.24
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.95	
26 05 33 13-2084	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	192.24	30.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.16	
26 05 33 13-2085	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	266.98	41.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.00	
26 05 33 13-2086	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.72	5.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.42	
26 05 33 13-2087	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.07	6.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 05 33 13-2088	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.97	8.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.00	
26 05 33 13-2089	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.75	9.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 05 33 13-2090	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	64.16	10.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-2091	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	79.43	12.28
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.37	
26 05 33 13-2092	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	125.70	14.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.95	
26 05 33 13-2093	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	157.29	20.62
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.37	
26 05 33 13-2094	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	187.23	23.24
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.95	
26 05 33 13-2095	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	232.90	30.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.16	
26 05 33 13-2096	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	298.64	41.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.00	
26 05 33 13-2097	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.73	5.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.42	
26 05 33 13-2098	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.20	6.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 05 33 13-2099	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.58	8.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.00	
26 05 33 13-2100	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	61.86	9.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 05 33 13-2101	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	72.59	10.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-2102	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	87.89	12.28
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.37	
26 05 33 13-2103	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	142.38	14.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.95	
26 05 33 13-2104	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	184.06	20.62
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.37	
26 05 33 13-2105	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	202.04	23.24
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.95	
26 05 33 13-2106	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	245.38	30.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.16	
26 05 33 13-2107	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	303.16	41.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2108 <b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit</b> <small>(26 05 33 13-1797)</small> Note: Direct burial or encased application.		
26 05 33 13-2109 <b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit</b> <small>(26 05 33 13-2108)</small>		
26 05 33 13-2110    LF    1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	8.45	1.10
<i>For Work In Restricted Working Space, Add</i> .....	0.83	
26 05 33 13-2111    LF    3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	9.39	1.18
<i>For Work In Restricted Working Space, Add</i> .....	0.89	
26 05 33 13-2112    LF    1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	9.97	1.27
<i>For Work In Restricted Working Space, Add</i> .....	0.95	
26 05 33 13-2113    LF    1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	10.55	1.35
<i>For Work In Restricted Working Space, Add</i> .....	1.02	
26 05 33 13-2114    LF    1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	11.34	1.44
<i>For Work In Restricted Working Space, Add</i> .....	1.08	
26 05 33 13-2115    LF    2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	11.76	1.52
<i>For Work In Restricted Working Space, Add</i> .....	1.14	
26 05 33 13-2116    LF    2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	13.54	1.61
<i>For Work In Restricted Working Space, Add</i> .....	1.21	
26 05 33 13-2117    LF    3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	15.67	1.69
<i>For Work In Restricted Working Space, Add</i> .....	1.27	
26 05 33 13-2118    LF    3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	17.31	1.77
<i>For Work In Restricted Working Space, Add</i> .....	1.34	
26 05 33 13-2119    LF    4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	18.94	1.86
<i>For Work In Restricted Working Space, Add</i> .....	1.40	
26 05 33 13-2120    LF    5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	22.71	1.94
<i>For Work In Restricted Working Space, Add</i> .....	1.46	
26 05 33 13-2121    LF    6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	27.40	2.03
<i>For Work In Restricted Working Space, Add</i> .....	1.52	
26 05 33 13-2122 <b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows</b> <small>(26 05 33 13-2108)</small>		
26 05 33 13-2123    EA    1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	126.60	8.47
<i>For Work In Restricted Working Space, Add</i> .....	6.35	
<i>For 24" Radius, Add</i> .....	8.97	
<i>For 36" Radius, Add</i> .....	12.66	
<i>For 48" Radius, Add</i> .....	16.35	
26 05 33 13-2124    EA    3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	143.43	10.16
<i>For Work In Restricted Working Space, Add</i> .....	7.62	
<i>For 24" Radius, Add</i> .....	10.12	
<i>For 36" Radius, Add</i> .....	14.34	
<i>For 48" Radius, Add</i> .....	18.56	
26 05 33 13-2125    EA    1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	148.87	11.86
<i>For Work In Restricted Working Space, Add</i> .....	8.89	
<i>For 24" Radius, Add</i> .....	10.42	
<i>For 36" Radius, Add</i> .....	14.89	
<i>For 48" Radius, Add</i> .....	19.35	
26 05 33 13-2126    EA    1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	154.27	13.55
<i>For Work In Restricted Working Space, Add</i> .....	10.16	
<i>For 24" Radius, Add</i> .....	10.72	
<i>For 36" Radius, Add</i> .....	15.43	
<i>For 48" Radius, Add</i> .....	20.13	
26 05 33 13-2127    EA    1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	159.70	15.24
<i>For Work In Restricted Working Space, Add</i> .....	11.43	
<i>For 24" Radius, Add</i> .....	11.02	
<i>For 36" Radius, Add</i> .....	15.97	
<i>For 48" Radius, Add</i> .....	20.92	
26 05 33 13-2128    EA    2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	180.71	16.94
<i>For Work In Restricted Working Space, Add</i> .....	12.71	
<i>For 24" Radius, Add</i> .....	12.49	
<i>For 36" Radius, Add</i> .....	18.07	
<i>For 48" Radius, Add</i> .....	23.65	
26 05 33 13-2129    EA    2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	212.18	18.63
<i>For Work In Restricted Working Space, Add</i> .....	13.97	
<i>For 24" Radius, Add</i> .....	14.75	
<i>For 36" Radius, Add</i> .....	21.22	
<i>For 48" Radius, Add</i> .....	27.69	
26 05 33 13-2130    EA    3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	249.54	20.32
<i>For Work In Restricted Working Space, Add</i> .....	15.25	
<i>For 24" Radius, Add</i> .....	17.45	
<i>For 36" Radius, Add</i> .....	24.95	
<i>For 48" Radius, Add</i> .....	32.46	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2131	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	282.85	23.71
			<i>For Work In Restricted Working Space, Add</i>	17.79	
			<i>For 24" Radius, Add</i>	19.73	
			<i>For 36" Radius, Add</i>	28.29	
			<i>For 48" Radius, Add</i>	36.84	
26 05 33 13-2132	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	316.15	30.48
			<i>For Work In Restricted Working Space, Add</i>	20.33	
			<i>For 24" Radius, Add</i>	22.02	
			<i>For 36" Radius, Add</i>	31.62	
			<i>For 48" Radius, Add</i>	41.21	
26 05 33 13-2133	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	386.72	30.48
			<i>For Work In Restricted Working Space, Add</i>	22.87	
			<i>For 24" Radius, Add</i>	27.10	
			<i>For 36" Radius, Add</i>	38.67	
			<i>For 48" Radius, Add</i>	50.25	
26 05 33 13-2134	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	472.81	33.88
			<i>For Work In Restricted Working Space, Add</i>	25.41	
			<i>For 24" Radius, Add</i>	33.34	
			<i>For 36" Radius, Add</i>	47.28	
			<i>For 48" Radius, Add</i>	61.22	
<b>26 05 33 13-2135 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings</b> <small>(26 05 33 13-2108)</small>					
26 05 33 13-2136	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	55.51	4.74
			<i>For Work In Restricted Working Space, Add</i>	3.56	
26 05 33 13-2137	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	62.19	5.42
			<i>For Work In Restricted Working Space, Add</i>	4.07	
26 05 33 13-2138	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	64.38	6.09
			<i>For Work In Restricted Working Space, Add</i>	4.57	
26 05 33 13-2139	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	66.49	6.77
			<i>For Work In Restricted Working Space, Add</i>	5.08	
26 05 33 13-2140	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	69.18	7.46
			<i>For Work In Restricted Working Space, Add</i>	5.59	
26 05 33 13-2141	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	80.51	8.13
			<i>For Work In Restricted Working Space, Add</i>	6.10	
26 05 33 13-2142	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	95.32	9.15
			<i>For Work In Restricted Working Space, Add</i>	6.86	
26 05 33 13-2143	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	112.34	10.16
			<i>For Work In Restricted Working Space, Add</i>	7.62	
26 05 33 13-2144	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	127.45	11.86
			<i>For Work In Restricted Working Space, Add</i>	8.89	
26 05 33 13-2145	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	142.56	13.55
			<i>For Work In Restricted Working Space, Add</i>	10.16	
26 05 33 13-2146	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	173.95	15.24
			<i>For Work In Restricted Working Space, Add</i>	11.43	
26 05 33 13-2147	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	212.09	16.94
			<i>For Work In Restricted Working Space, Add</i>	12.71	
<b>26 05 33 13-2148 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings</b> <small>(26 05 33 13-2108)</small>					
26 05 33 13-2149	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	36.49	4.74
			<i>For Work In Restricted Working Space, Add</i>	3.56	
26 05 33 13-2150	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	40.91	5.42
			<i>For Work In Restricted Working Space, Add</i>	4.07	
26 05 33 13-2151	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	42.90	6.09
			<i>For Work In Restricted Working Space, Add</i>	4.57	
26 05 33 13-2152	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	44.89	6.77
			<i>For Work In Restricted Working Space, Add</i>	5.08	
26 05 33 13-2153	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	46.86	7.46
			<i>For Work In Restricted Working Space, Add</i>	5.59	
26 05 33 13-2154	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	48.72	8.13
			<i>For Work In Restricted Working Space, Add</i>	6.10	
26 05 33 13-2155	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	56.94	9.15
			<i>For Work In Restricted Working Space, Add</i>	6.86	
26 05 33 13-2156	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	66.31	10.16
			<i>For Work In Restricted Working Space, Add</i>	7.62	
26 05 33 13-2157	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	75.66	11.86
			<i>For Work In Restricted Working Space, Add</i>	8.89	
26 05 33 13-2158	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	85.01	13.55
			<i>For Work In Restricted Working Space, Add</i>	10.16	
26 05 33 13-2159	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	102.07	15.24
			<i>For Work In Restricted Working Space, Add</i>	11.43	
26 05 33 13-2160	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	122.25	16.94
			<i>For Work In Restricted Working Space, Add</i>	12.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 33 13-2161    Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings</b> <small>(26 05 33 13-2108)</small>		
26 05 33 13-2162    EA    1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	37.39 2.03	2.71
26 05 33 13-2163    EA    3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	41.66 2.29	3.05
26 05 33 13-2164    EA    1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	42.87 2.54	3.39
26 05 33 13-2165    EA    1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	43.93 2.80	3.73
26 05 33 13-2166    EA    1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	45.56 3.05	4.07
26 05 33 13-2167    EA    2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	54.01 3.66	4.74
26 05 33 13-2168    EA    2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	64.95 4.32	5.76
26 05 33 13-2169    EA    3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	77.59 5.08	6.77
26 05 33 13-2170    EA    3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	89.40 6.35	8.47
26 05 33 13-2171    EA    4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	101.20 7.62	10.16
26 05 33 13-2172    EA    5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	124.36 8.89	11.86
26 05 33 13-2173    EA    6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	152.32 10.16	13.55
<b>26 05 33 13-2174    Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints</b> <small>(26 05 33 13-2108)</small>		
26 05 33 13-2175    EA    1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	76.09 12.71	16.94
26 05 33 13-2176    EA    3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	88.25 15.25	20.32
26 05 33 13-2177    EA    1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	97.13 17.79	23.71
26 05 33 13-2178    EA    1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	105.84 20.33	27.10
26 05 33 13-2179    EA    1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	110.95 21.60	28.79
26 05 33 13-2180    EA    2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	122.59 22.87	30.48
26 05 33 13-2181    EA    2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	136.10 24.14	32.19
26 05 33 13-2182    EA    3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	151.47 25.41	33.88
26 05 33 13-2183    EA    3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	164.05 26.68	35.58
26 05 33 13-2184    EA    4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	176.62 27.95	37.27
26 05 33 13-2185    EA    5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	201.73 29.22	38.96
26 05 33 13-2186    EA    6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	232.05 30.49	40.66
<b>26 05 33 13-2187    Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints</b> <small>(26 05 33 13-2108)</small>		
26 05 33 13-2188    EA    1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	89.79 12.71	16.94
26 05 33 13-2189    EA    3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	103.60 15.25	20.32
26 05 33 13-2190    EA    1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	112.57 17.79	23.71
26 05 33 13-2191    EA    1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	121.45 20.33	27.10
26 05 33 13-2192    EA    1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	126.68 21.60	28.79
26 05 33 13-2193    EA    2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	140.56 22.87	30.48
26 05 33 13-2194    EA    2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	157.67 24.14	32.19
26 05 33 13-2195    EA    3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	177.34 25.41	33.88
26 05 33 13-2196    EA    3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	193.18 26.68	35.58
26 05 33 13-2197    EA    4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	209.00 27.95	37.27
26 05 33 13-2198    EA    5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	242.30 29.22	38.96

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2199	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	282.77 30.49	40.66
<b>26 05 33 13-2200</b>			<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters</b> <small>(26 05 33 13-2108)</small>		
26 05 33 13-2201	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	124.67 3.56	4.74
26 05 33 13-2202	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	138.87 4.07	5.42
26 05 33 13-2203	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	144.41 4.57	6.09
26 05 33 13-2204	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial ..... <i>For Work In Restricted Working Space, Add</i>	150.12 5.08	6.77
26 05 33 13-2205	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial ..... <i>For Work In Restricted Working Space, Add</i>	153.88 5.59	7.46
26 05 33 13-2206	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	168.45 6.10	8.13
26 05 33 13-2207	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial ..... <i>For Work In Restricted Working Space, Add</i>	200.64 6.86	9.15
26 05 33 13-2208	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	238.61 7.62	10.16
26 05 33 13-2209	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial ..... <i>For Work In Restricted Working Space, Add</i>	269.51 8.89	11.86
26 05 33 13-2210	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	300.41 10.16	13.55
26 05 33 13-2211	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	371.38 11.43	15.24
26 05 33 13-2212	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	456.35 12.71	16.94
<b>26 05 33 13-2213</b>			<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints</b> <small>(26 05 33 13-2108)</small>		
26 05 33 13-2214	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial ..... <i>For Work In Restricted Working Space, Add</i>	113.62 12.71	16.94
26 05 33 13-2215	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial ..... <i>For Work In Restricted Working Space, Add</i>	130.02 15.25	20.32
26 05 33 13-2216	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial ..... <i>For Work In Restricted Working Space, Add</i>	157.13 17.79	23.71
26 05 33 13-2217	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial ..... <i>For Work In Restricted Working Space, Add</i>	199.66 20.33	27.10
26 05 33 13-2218	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial ..... <i>For Work In Restricted Working Space, Add</i>	252.82 21.60	28.79
26 05 33 13-2219	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial ..... <i>For Work In Restricted Working Space, Add</i>	344.21 22.87	30.48
26 05 33 13-2220	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial ..... <i>For Work In Restricted Working Space, Add</i>	502.16 24.14	32.19
26 05 33 13-2221	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial ..... <i>For Work In Restricted Working Space, Add</i>	607.60 25.41	33.88
26 05 33 13-2222	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial ..... <i>For Work In Restricted Working Space, Add</i>	732.03 26.68	35.58
26 05 33 13-2223	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial ..... <i>For Work In Restricted Working Space, Add</i>	856.44 27.95	37.27
26 05 33 13-2224	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial ..... <i>For Work In Restricted Working Space, Add</i>	1,004.06 29.22	38.96
26 05 33 13-2225	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial ..... <i>For Work In Restricted Working Space, Add</i>	1,640.86 30.49	40.66
<b>26 05 33 13-2226</b>			<b>Spacers</b> <small>(26 05 33 13-1797)</small> Note: For concrete encasement applications. See CSI section 03 30 53 00-0001 for concrete., 26 05 33 13-1797 for conduit.		
26 05 33 13-2227	EA		1" Base Spacers, Average 4" Wide, Direct Burial.....	9.83	
26 05 33 13-2228	EA		1" Intermediate Spacers, Average 4" Wide, Direct Burial.....	10.45	
26 05 33 13-2229	EA		1-1/4" Base Spacer, Average 4" Wide, Direct Burial.....	11.60	
26 05 33 13-2230	EA		1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial.....	12.36	
26 05 33 13-2231	EA		1-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	11.77	
26 05 33 13-2232	EA		1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	12.48	
26 05 33 13-2233	EA		2" Base Spacer, Average 4" Wide, Direct Burial.....	14.37	
26 05 33 13-2234	EA		2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	13.34	
26 05 33 13-2235	EA		2-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	15.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2236 EA 2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial .....	15.33	
26 05 33 13-2237 EA 3" Base Spacer, Average 4" Wide, Direct Burial .....	17.96	
26 05 33 13-2238 EA 3" Intermediate Spacers, Average 4" Wide, Direct Burial .....	17.28	
26 05 33 13-2239 EA 3-1/2" Base Spacer, Average 4" Wide, Direct Burial .....	19.47	
26 05 33 13-2240 EA 3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial .....	18.69	
26 05 33 13-2241 EA 4" Base Spacer, Average 4" Wide, Direct Burial .....	20.14	
26 05 33 13-2242 EA 4" Intermediate Spacers, Average 4" Wide, Direct Burial .....	19.21	
26 05 33 13-2243 EA 5" Base Spacer, Average 4" Wide, Direct Burial .....	22.30	
26 05 33 13-2244 EA 5" Intermediate Spacers, Average 4" Wide, Direct Burial .....	21.20	
26 05 33 13-2245 EA 6" Base Spacer, Average 4" Wide, Direct Burial .....	25.88	
26 05 33 13-2246 EA 6" Intermediate Spacers, Average 4" Wide, Direct Burial .....	24.93	
<b>26 05 33 13-2247 Conduit Field Bending (26 05 33 13-0057)</b>		
<b>26 05 33 13-2248 Metallic Conduit Field Bending (26 05 33 13-2247)</b>		
Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.		
26 05 33 13-2249 EA 1-1/4" Metallic Conduit Field Bending .....	14.89	
26 05 33 13-2250 EA 1-1/2" Metallic Conduit Field Bending .....	19.84	
26 05 33 13-2251 EA 2" Metallic Conduit Field Bending .....	24.81	
26 05 33 13-2252 EA 2-1/2" Metallic Conduit Field Bending .....	34.73	
26 05 33 13-2253 EA 3" Metallic Conduit Field Bending .....	44.66	
26 05 33 13-2254 EA 3-1/2" Metallic Conduit Field Bending .....	54.58	
26 05 33 13-2255 EA 4" Metallic Conduit Field Bending .....	64.50	
26 05 33 13-2256 EA 5" Metallic Conduit Field Bending .....	79.38	
26 05 33 13-2257 EA 6" Metallic Conduit Field Bending .....	94.27	
<b>26 05 33 13-2258 Plastic Conduit Field Bending (26 05 33 13-2247)</b>		
Note: For PVC conduits.		
26 05 33 13-2259 EA 1" Plastic Conduit Field Bending .....	22.83	
26 05 33 13-2260 EA 1-1/4" Plastic Conduit Field Bending .....	24.81	
26 05 33 13-2261 EA 1-1/2" Plastic Conduit Field Bending .....	29.77	
26 05 33 13-2262 EA 2" Plastic Conduit Field Bending .....	39.70	
26 05 33 13-2263 EA 2-1/2" Plastic Conduit Field Bending .....	49.61	
26 05 33 13-2264 EA 3" Plastic Conduit Field Bending .....	59.54	
26 05 33 13-2265 EA 3-1/2" Plastic Conduit Field Bending .....	69.47	
26 05 33 13-2266 EA 4" Plastic Conduit Field Bending .....	79.38	
26 05 33 13-2267 EA 5" Plastic Conduit Field Bending .....	89.31	
26 05 33 13-2268 EA 6" Plastic Conduit Field Bending .....	99.24	
<b>26 05 33 13-2269 Cut And Thread Existing In-Place Threaded Conduit (26 05 33 13-0057)</b>		
Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-2270 EA 1/2", Cut And Thread Existing In-Place Threaded Conduit .....	28.87	
For Work In Restricted Working Space, Add	8.66	
26 05 33 13-2271 EA 3/4", Cut And Thread Existing In-Place Threaded Conduit .....	31.76	
For Work In Restricted Working Space, Add	9.53	
26 05 33 13-2272 EA 1", Cut And Thread Existing In-Place Threaded Conduit .....	34.65	
For Work In Restricted Working Space, Add	10.40	
26 05 33 13-2273 EA 1-1/4", Cut And Thread Existing In-Place Threaded Conduit .....	37.53	
For Work In Restricted Working Space, Add	11.26	
26 05 33 13-2274 EA 1-1/2", Cut And Thread Existing In-Place Threaded Conduit .....	39.46	
For Work In Restricted Working Space, Add	11.84	
26 05 33 13-2275 EA 2", Cut And Thread Existing In-Place Threaded Conduit .....	41.38	
For Work In Restricted Working Space, Add	12.41	
26 05 33 13-2276 EA 2-1/2", Cut And Thread Existing In-Place Threaded Conduit .....	43.31	
For Work In Restricted Working Space, Add	12.99	
26 05 33 13-2277 EA 3", Cut And Thread Existing In-Place Threaded Conduit .....	45.23	
For Work In Restricted Working Space, Add	13.57	
26 05 33 13-2278 EA 3-1/2", Cut And Thread Existing In-Place Threaded Conduit .....	46.19	
For Work In Restricted Working Space, Add	13.86	
26 05 33 13-2279 EA 4", Cut And Thread Existing In-Place Threaded Conduit .....	47.16	
For Work In Restricted Working Space, Add	14.15	
26 05 33 13-2280 EA 5", Cut And Thread Existing In-Place Threaded Conduit .....	49.08	
For Work In Restricted Working Space, Add	14.72	
26 05 33 13-2281 EA 6", Cut And Thread Existing In-Place Threaded Conduit .....	51.01	
For Work In Restricted Working Space, Add	15.30	
<b>26 05 33 13-2282 Flexible Conduit (26 05 33 13-0057)</b>		
<b>26 05 33 13-2283 Flexible Liquid Tight Metallic Conduit And Connectors (26 05 33 13-2282)</b>		
Note: Steel inner core with PVC cover.		
<b>26 05 33 13-2284 Flexible Liquid Tight Metallic Conduit (26 05 33 13-2283)</b>		
26 05 33 13-2285 LF 3/8" Flexible Liquid Tight Metallic Conduit .....	3.53	1.05
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.39	
For Work In Restricted Working Space, Add	0.79	
26 05 33 13-2286 LF 1/2" Flexible Liquid Tight Metallic Conduit .....	3.66	1.05
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.39	
For Work In Restricted Working Space, Add	0.79	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2287	LF	3/4"	Flexible Liquid Tight Metallic Conduit .....4.91	4.91	1.40
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.53	
			<i>For Work In Restricted Working Space, Add</i>	1.05	
26 05 33 13-2288	LF	1"	Flexible Liquid Tight Metallic Conduit .....5.63	5.63	1.40
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.53	
			<i>For Work In Restricted Working Space, Add</i>	1.05	
26 05 33 13-2289	LF	1-1/4"	Flexible Liquid Tight Metallic Conduit .....7.26	7.26	1.76
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.66	
			<i>For Work In Restricted Working Space, Add</i>	1.31	
26 05 33 13-2290	LF	1-1/2"	Flexible Liquid Tight Metallic Conduit .....9.32	9.32	2.11
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.79	
			<i>For Work In Restricted Working Space, Add</i>	1.58	
26 05 33 13-2291	LF	2"	Flexible Liquid Tight Metallic Conduit .....12.26	12.26	2.81
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.05	
			<i>For Work In Restricted Working Space, Add</i>	2.11	
26 05 33 13-2292	LF	2-1/2"	Flexible Liquid Tight Metallic Conduit .....16.55	16.55	3.16
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.19	
			<i>For Work In Restricted Working Space, Add</i>	2.37	
26 05 33 13-2293	LF	3"	Flexible Liquid Tight Metallic Conduit .....24.20	24.20	3.86
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.45	
			<i>For Work In Restricted Working Space, Add</i>	2.90	
26 05 33 13-2294	LF	4"	Flexible Liquid Tight Metallic Conduit .....33.05	33.05	4.92
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.84	
			<i>For Work In Restricted Working Space, Add</i>	3.68	
<b>26 05 33 13-2295</b>			<b>Straight Liquid Tight Connector</b> <small>(26 05 33 13-2283)</small>		
26 05 33 13-2296	EA	3/8"	Straight Liquid Tight Connector .....9.59	9.59	2.81
			<i>For Work In Restricted Working Space, Add</i>	2.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.11	
26 05 33 13-2297	EA	1/2"	Straight Liquid Tight Connector .....9.59	9.59	2.81
			<i>For Work In Restricted Working Space, Add</i>	2.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.11	
26 05 33 13-2298	EA	3/4"	Straight Liquid Tight Connector .....11.58	11.58	3.16
			<i>For Work In Restricted Working Space, Add</i>	2.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.37	
26 05 33 13-2299	EA	1"	Straight Liquid Tight Connector .....15.33	15.33	3.51
			<i>For Work In Restricted Working Space, Add</i>	2.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.63	
26 05 33 13-2300	EA	1-1/4"	Straight Liquid Tight Connector .....19.57	19.57	3.86
			<i>For Work In Restricted Working Space, Add</i>	2.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 05 33 13-2301	EA	1-1/2"	Straight Liquid Tight Connector .....24.68	24.68	4.21
			<i>For Work In Restricted Working Space, Add</i>	3.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.16	
26 05 33 13-2302	EA	2"	Straight Liquid Tight Connector .....33.85	33.85	4.92
			<i>For Work In Restricted Working Space, Add</i>	3.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.68	
26 05 33 13-2303	EA	2-1/2"	Straight Liquid Tight Connector .....113.70	113.70	6.32
			<i>For Work In Restricted Working Space, Add</i>	4.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.74	
26 05 33 13-2304	EA	3"	Straight Liquid Tight Connector .....146.33	146.33	6.67
			<i>For Work In Restricted Working Space, Add</i>	5.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.00	
26 05 33 13-2305	EA	4"	Straight Liquid Tight Connector .....179.42	179.42	9.82
			<i>For Work In Restricted Working Space, Add</i>	7.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.37	
<b>26 05 33 13-2306</b>			<b>90 Degree Angle Liquid Tight Connector</b> <small>(26 05 33 13-2283)</small>		
26 05 33 13-2307	EA	3/8"	90 Degree Angle Liquid Tight Connector .....13.94	13.94	3.86
			<i>For Work In Restricted Working Space, Add</i>	2.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 05 33 13-2308	EA	1/2"	90 Degree Angle Liquid Tight Connector .....14.49	14.49	3.86
			<i>For Work In Restricted Working Space, Add</i>	2.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 05 33 13-2309	EA	3/4"	90 Degree Angle Liquid Tight Connector .....16.34	16.34	4.21
			<i>For Work In Restricted Working Space, Add</i>	3.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.16	
26 05 33 13-2310	EA	1"	90 Degree Angle Liquid Tight Connector .....22.86	22.86	4.92
			<i>For Work In Restricted Working Space, Add</i>	3.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.68	
26 05 33 13-2311	EA	1-1/4"	90 Degree Angle Liquid Tight Connector .....28.64	28.64	5.27
			<i>For Work In Restricted Working Space, Add</i>	3.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 05 33 13-2312	EA	1-1/2"	90 Degree Angle Liquid Tight Connector .....34.59	34.59	5.62
			<i>For Work In Restricted Working Space, Add</i>	4.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.21	
26 05 33 13-2313	EA	2"	90 Degree Angle Liquid Tight Connector .....45.56	45.56	6.32
			<i>For Work In Restricted Working Space, Add</i>	4.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.74	
26 05 33 13-2314	EA	2-1/2"	90 Degree Angle Liquid Tight Connector .....158.45	158.45	6.67
			<i>For Work In Restricted Working Space, Add</i>	5.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.00	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2315 EA 3" 90 Degree Angle Liquid Tight Connector.....	187.20	7.72
For Work In Restricted Working Space, Add	5.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-2316 EA 4" 90 Degree Angle Liquid Tight Connector.....	259.26	12.28
For Work In Restricted Working Space, Add	9.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.21	
<b>26 05 33 13-2317 45 Degree Angle Connector</b> <small>(26 05 33 13-2283)</small>		
26 05 33 13-2318 EA 3/8" 45 Degree Angle Liquid Tight Connector.....	13.75	3.86
For Work In Restricted Working Space, Add	2.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.90	
26 05 33 13-2319 EA 1/2" 45 Degree Angle Liquid Tight Connector.....	13.88	3.86
For Work In Restricted Working Space, Add	2.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.90	
26 05 33 13-2320 EA 3/4" 45 Degree Angle Liquid Tight Connector.....	16.34	4.21
For Work In Restricted Working Space, Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-2321 EA 1" 45 Degree Angle Liquid Tight Connector.....	24.37	4.92
For Work In Restricted Working Space, Add	3.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.68	
26 05 33 13-2322 EA 1-1/4" 45 Degree Angle Liquid Tight Connector .....	27.66	5.27
For Work In Restricted Working Space, Add	3.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 05 33 13-2323 EA 1-1/2" 45 Degree Angle Liquid Tight Connector .....	30.94	5.62
For Work In Restricted Working Space, Add	4.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.21	
<b>26 05 33 13-2324 Flexible Metallic Conduit And Connectors</b> <small>(26 05 33 13-2282)</small>		
<b>26 05 33 13-2325 Flexible Steel Conduit</b> <small>(26 05 33 13-2324)</small>		
26 05 33 13-2326 LF 3/8" Flexible Metallic Conduit.....	3.68	1.15
For Flexible Aluminum Conduit, Add	0.14	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.42	
For Installation In Metal Stud Wall, Add	0.28	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.71	
For Work In Restricted Working Space, Add	0.85	
26 05 33 13-2327 LF 1/2" Flexible Metallic Conduit.....	3.83	1.15
For Flexible Aluminum Conduit, Add	0.16	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.43	
For Installation In Metal Stud Wall, Add	0.29	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.72	
For Work In Restricted Working Space, Add	0.86	
26 05 33 13-2328 LF 3/4" Flexible Metallic Conduit.....	4.41	1.53
For Flexible Aluminum Conduit, Add	0.21	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.47	
For Installation In Metal Stud Wall, Add	0.31	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.78	
For Work In Restricted Working Space, Add	0.94	
26 05 33 13-2329 LF 1" Flexible Metallic Conduit.....	5.77	1.53
For Flexible Aluminum Conduit, Add	0.40	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.50	
For Installation In Metal Stud Wall, Add	0.34	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.84	
For Work In Restricted Working Space, Add	1.01	
26 05 33 13-2330 LF 1-1/4" Flexible Metallic Conduit .....	6.70	1.93
For Flexible Aluminum Conduit, Add	0.52	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.53	
For Installation In Metal Stud Wall, Add	0.36	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.89	
For Work In Restricted Working Space, Add	1.07	
26 05 33 13-2331 LF 1-1/2" Flexible Metallic Conduit .....	9.22	2.31
For Flexible Aluminum Conduit, Add	0.91	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.56	
For Installation In Metal Stud Wall, Add	0.37	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.93	
For Work In Restricted Working Space, Add	1.11	
26 05 33 13-2332 LF 2" Flexible Metallic Conduit.....	10.61	3.07
For Flexible Aluminum Conduit, Add	1.12	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.58	
For Installation In Metal Stud Wall, Add	0.38	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.96	
For Work In Restricted Working Space, Add	1.15	
26 05 33 13-2333 LF 2-1/2" Flexible Steel Conduit .....	12.99	3.46
For Flexible Aluminum Conduit, Add	1.35	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.72	
For Installation In Metal Stud Wall, Add	0.48	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.20	
For Work In Restricted Working Space, Add	1.44	
26 05 33 13-2334 LF 3" Flexible Metallic Conduit.....	20.00	4.22
For Flexible Aluminum Conduit, Add	2.35	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.87	
For Installation In Metal Stud Wall, Add	0.58	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.44	
For Work In Restricted Working Space, Add	1.73	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2335 LF 3-1/2" Flexible Metallic Conduit.....	24.66	4.61
For Flexible Aluminum Conduit, Add	2.96	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.01	
For Installation In Metal Stud Wall, Add	0.67	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.68	
For Work In Restricted Working Space, Add	2.02	
26 05 33 13-2336 LF 4" Flexible Metallic Conduit.....	28.37	5.38
For Flexible Aluminum Conduit, Add	3.41	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.15	
For Installation In Metal Stud Wall, Add	0.77	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.92	
For Work In Restricted Working Space, Add	2.30	
<b>26 05 33 13-2337 Plain Squeeze Type Straight Connector</b> (26 05 33 13-2324)		
26 05 33 13-2338 EA 3/8" Flexible Straight Connectors, Plain.....	6.50	3.07
For Work In Restricted Working Space, Add	1.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.30	
26 05 33 13-2339 EA 1/2" Flexible Straight Connectors, Plain.....	8.26	3.46
For Work In Restricted Working Space, Add	1.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.44	
26 05 33 13-2340 EA 3/4" Flexible Straight Connectors, Plain.....	9.42	4.22
For Work In Restricted Working Space, Add	1.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.73	
26 05 33 13-2341 EA 1" Flexible Straight Connectors, Plain.....	15.69	4.61
For Work In Restricted Working Space, Add	2.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.30	
26 05 33 13-2342 EA 1-1/4" Flexible Straight Connectors, Plain.....	22.73	5.38
For Work In Restricted Working Space, Add	2.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.88	
26 05 33 13-2343 EA 1-1/2" Flexible Straight Connectors, Plain.....	30.21	6.53
For Work In Restricted Working Space, Add	3.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.60	
26 05 33 13-2344 EA 2" Flexible Straight Connectors, Plain.....	40.31	6.53
For Work In Restricted Working Space, Add	4.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.32	
26 05 33 13-2345 EA 2-1/2" Flexible Straight Connectors, Plain.....	67.70	8.06
For Work In Restricted Working Space, Add	5.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.04	
26 05 33 13-2346 EA 3" Flexible Straight Connectors, Plain.....	89.75	8.83
For Work In Restricted Working Space, Add	5.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.76	
26 05 33 13-2347 EA 3-1/2" Flexible Straight Connectors, Plain.....	294.45	10.37
For Work In Restricted Working Space, Add	6.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.48	
26 05 33 13-2348 EA 4" Flexible Straight Connectors, Plain.....	369.18	12.68
For Work In Restricted Working Space, Add	7.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.20	
<b>26 05 33 13-2349 Insulated Throat Squeeze Type Straight Connector</b> (26 05 33 13-2324)		
26 05 33 13-2350 EA 1/2" Flexible Straight Connectors, Insulated.....	9.46	3.46
For Work In Restricted Working Space, Add	1.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.44	
26 05 33 13-2351 EA 3/4" Flexible Straight Connectors, Insulated.....	10.99	4.22
For Work In Restricted Working Space, Add	1.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.73	
26 05 33 13-2352 EA 1" Flexible Straight Connectors, Insulated.....	17.82	4.61
For Work In Restricted Working Space, Add	2.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.30	
26 05 33 13-2353 EA 1-1/4" Flexible Straight Connectors, Insulated.....	26.64	5.38
For Work In Restricted Working Space, Add	2.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.88	
26 05 33 13-2354 EA 1-1/2" Flexible Straight Connectors, Insulated.....	37.18	5.77
For Work In Restricted Working Space, Add	3.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.60	
26 05 33 13-2355 EA 2" Flexible Straight Connectors, Insulated.....	52.61	6.53
For Work In Restricted Working Space, Add	4.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.32	
26 05 33 13-2356 EA 2-1/2" Flexible Straight Connectors, Insulated.....	94.01	8.06
For Work In Restricted Working Space, Add	5.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.04	
26 05 33 13-2357 EA 3" Flexible Straight Connectors, Insulated.....	120.77	8.83
For Work In Restricted Working Space, Add	5.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.76	
26 05 33 13-2358 EA 3-1/2" Flexible Straight Connectors, Insulated.....	342.26	10.37
For Work In Restricted Working Space, Add	6.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.48	
26 05 33 13-2359 EA 4" Flexible Straight Connectors, Insulated.....	441.06	12.68
For Work In Restricted Working Space, Add	7.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.20	
<b>26 05 33 13-2360 Plain Squeeze Type 90 Degree Connector</b> (26 05 33 13-2324)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2361 EA 3/8" Flexible 90 Degree Connector, Plain.....	9.27	3.84
For Work In Restricted Working Space, Add	1.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.73	
26 05 33 13-2362 EA 1/2" Flexible 90 Degree Connector, Plain.....	12.57	4.22
For Work In Restricted Working Space, Add	2.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.02	
26 05 33 13-2363 EA 3/4" Flexible 90 Degree Connector, Plain.....	16.84	4.61
For Work In Restricted Working Space, Add	2.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.30	
26 05 33 13-2364 EA 1" Flexible 90 Degree Connector, Plain.....	24.07	5.38
For Work In Restricted Working Space, Add	2.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.88	
26 05 33 13-2365 EA 1-1/4" Flexible 90 Degree Connector, Plain.....	38.97	5.77
For Work In Restricted Working Space, Add	3.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.46	
26 05 33 13-2366 EA 1-1/2" Flexible 90 Degree Connector, Plain.....	62.39	6.72
For Work In Restricted Working Space, Add	4.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.32	
26 05 33 13-2367 EA 2" Flexible 90 Degree Connector, Plain.....	75.67	8.26
For Work In Restricted Working Space, Add	4.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.90	
26 05 33 13-2368 EA 2-1/2" Flexible 90 Degree Connector, Plain.....	173.86	8.83
For Work In Restricted Working Space, Add	5.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.76	
26 05 33 13-2369 EA 3" Flexible 90 Degree Connector, Plain.....	224.65	10.37
For Work In Restricted Working Space, Add	6.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.48	
26 05 33 13-2370 EA 3-1/2" Flexible 90 Degree Connector, Plain.....	485.76	12.68
For Work In Restricted Working Space, Add	7.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.20	
26 05 33 13-2371 EA 4" Flexible 90 Degree Connector, Plain.....	873.75	14.41
For Work In Restricted Working Space, Add	8.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.64	
<b>26 05 33 13-2372 Insulated Throat Squeeze Type 90 Degree Connector</b> <small>(26 05 33 13-2324)</small>		
26 05 33 13-2373 EA 1/2" Flexible 90 Degree Connector, Insulated.....	14.23	4.22
For Work In Restricted Working Space, Add	2.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.02	
26 05 33 13-2374 EA 3/4" Flexible 90 Degree Connector, Insulated.....	18.88	4.61
For Work In Restricted Working Space, Add	2.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.30	
26 05 33 13-2375 EA 1" Flexible 90 Degree Connector, Insulated.....	24.07	5.38
For Work In Restricted Working Space, Add	2.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.88	
26 05 33 13-2376 EA 1-1/4" Flexible 90 Degree Connector, Insulated.....	46.23	5.77
For Work In Restricted Working Space, Add	3.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.46	
26 05 33 13-2377 EA 1-1/2" Flexible 90 Degree Connector, Insulated.....	75.57	6.72
For Work In Restricted Working Space, Add	4.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.32	
26 05 33 13-2378 EA 2" Flexible 90 Degree Connector, Insulated.....	97.09	8.26
For Work In Restricted Working Space, Add	4.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.90	
26 05 33 13-2379 EA 2-1/2" Flexible 90 Degree Connector, Insulated.....	240.85	8.83
For Work In Restricted Working Space, Add	5.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.76	
26 05 33 13-2380 EA 3" Flexible 90 Degree Connector, Insulated.....	297.23	10.37
For Work In Restricted Working Space, Add	6.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.48	
26 05 33 13-2381 EA 3-1/2" Flexible 90 Degree Connector, Insulated.....	814.68	12.68
For Work In Restricted Working Space, Add	7.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.20	
26 05 33 13-2382 EA 4" Flexible 90 Degree Connector, Insulated.....	1,218.26	14.41
For Work In Restricted Working Space, Add	8.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.64	
<b>26 05 33 13-2383 Plain Squeeze Type 45 Degree Connector</b> <small>(26 05 33 13-2324)</small>		
26 05 33 13-2384 EA 3/8" Flexible 45 Degree Connector, Plain.....	10.60	3.84
For Work In Restricted Working Space, Add	1.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.73	
26 05 33 13-2385 EA 1/2" Flexible 45 Degree Connector, Plain.....	14.71	4.22
For Work In Restricted Working Space, Add	2.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.02	
26 05 33 13-2386 EA 3/4" Flexible 45 Degree Connector, Plain.....	19.23	4.61
For Work In Restricted Working Space, Add	2.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.30	
<b>26 05 33 13-2387 Insulated Squeeze Type 45 Degree Connector</b> <small>(26 05 33 13-2324)</small>		
26 05 33 13-2388 EA 3/8" Flexible 45 Degree Connector, Insulated.....	11.52	4.61
For Work In Restricted Working Space, Add	1.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.73	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2389	EA	1/2" Flexible 45 Degree Connector, Insulated.....	16.22	4.22
			<i>For Work In Restricted Working Space, Add</i>	2.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.02	
26 05 33	13-2390	EA	3/4" Flexible 45 Degree Connector, Insulated.....	21.37	4.61
			<i>For Work In Restricted Working Space, Add</i>	2.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
<b>26 05 33</b>	<b>13-2391</b>		<b>Plain Screw-In Connector</b> <small>(26 05 33 13-2324)</small>		
26 05 33	13-2392	EA	3/8" Flexible Steel Screw-in Connector, Plain.....	5.13	3.07
			<i>For Work In Restricted Working Space, Add</i>	1.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.30	
26 05 33	13-2393	EA	1/2" Flexible Steel Screw-in Connector, Plain.....	5.47	3.46
			<i>For Work In Restricted Working Space, Add</i>	1.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.44	
26 05 33	13-2394	EA	3/4" Flexible Steel Screw-in Connector, Plain.....	7.13	4.22
			<i>For Work In Restricted Working Space, Add</i>	1.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.73	
26 05 33	13-2395	EA	1" Flexible Steel Screw-in Connector, Plain.....	10.42	4.61
			<i>For Work In Restricted Working Space, Add</i>	2.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
26 05 33	13-2396	EA	1-1/4" Flexible Steel Screw-in Connector, Plain.....	16.01	5.38
			<i>For Work In Restricted Working Space, Add</i>	2.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.88	
26 05 33	13-2397	EA	1-1/2" Flexible Steel Screw-in Connector, Plain.....	19.45	5.77
			<i>For Work In Restricted Working Space, Add</i>	3.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 05 33	13-2398	EA	2" Flexible Steel Screw-in Connector, Plain.....	29.88	6.53
			<i>For Work In Restricted Working Space, Add</i>	4.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.32	
<b>26 05 33</b>	<b>13-2399</b>		<b>Insulated Screw-In Connector</b> <small>(26 05 33 13-2324)</small>		
26 05 33	13-2400	EA	3/8" Flexible Steel Screw-in Connector, Insulated.....	5.52	3.07
			<i>For Work In Restricted Working Space, Add</i>	1.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.30	
26 05 33	13-2401	EA	1/2" Flexible Steel Screw-in Connector, Insulated.....	5.79	3.46
			<i>For Work In Restricted Working Space, Add</i>	1.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.44	
26 05 33	13-2402	EA	3/4" Flexible Steel Screw-in Connector, Insulated.....	7.94	4.22
			<i>For Work In Restricted Working Space, Add</i>	1.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.73	
26 05 33	13-2403	EA	1" Flexible Steel Screw-in Connector, Insulated.....	11.65	4.61
			<i>For Work In Restricted Working Space, Add</i>	2.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
26 05 33	13-2404	EA	1-1/4" Flexible Steel Screw-in Connector, Insulated.....	17.77	5.38
			<i>For Work In Restricted Working Space, Add</i>	2.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.88	
26 05 33	13-2405	EA	1-1/2" Flexible Steel Screw-in Connector, Insulated.....	21.56	5.77
			<i>For Work In Restricted Working Space, Add</i>	3.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 05 33	13-2406	EA	2" Flexible Steel Screw-in Connector, Insulated.....	31.74	6.53
			<i>For Work In Restricted Working Space, Add</i>	4.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.32	
<b>26 05 33</b>	<b>13-2407</b>		<b>Screw-In Coupling</b> <small>(26 05 33 13-2324)</small>		
26 05 33	13-2408	EA	1/2" Flexible Steel Screw-in Coupling.....	6.24	3.46
			<i>For Work In Restricted Working Space, Add</i>	1.44	
26 05 33	13-2409	EA	3/4" Flexible Steel Screw-in Coupling.....	8.41	4.22
			<i>For Work In Restricted Working Space, Add</i>	1.73	
<b>26 05 33</b>	<b>13-2410</b>		<b>Flexible To Electrical Metallic Tubing (EMT) Coupling</b> <small>(26 05 33 13-2324)</small>		
26 05 33	13-2411	EA	3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	9.24	3.07
			<i>For Work In Restricted Working Space, Add</i>	1.30	
26 05 33	13-2412	EA	1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	13.00	3.46
			<i>For Work In Restricted Working Space, Add</i>	1.44	
26 05 33	13-2413	EA	3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	17.43	4.22
			<i>For Work In Restricted Working Space, Add</i>	1.73	
<b>26 05 33</b>	<b>13-2414</b>		<b>Die Cast Squeeze Type Straight Connector</b> <small>(26 05 33 13-2324)</small>		
26 05 33	13-2415	EA	3/8" Flexible Straight Connector, Die Cast.....	5.37	3.07
			<i>For Work In Restricted Working Space, Add</i>	1.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.30	
26 05 33	13-2416	EA	1/2" Flexible Straight Connector, Die Cast.....	6.11	3.46
			<i>For Work In Restricted Working Space, Add</i>	1.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.44	
26 05 33	13-2417	EA	3/4" Flexible Straight Connector, Die Cast.....	7.67	4.22
			<i>For Work In Restricted Working Space, Add</i>	1.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2418 EA 1" Flexible Straight Connector, Die Cast.....	11.93	4.61
For Work In Restricted Working Space, Add	2.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.30	
26 05 33 13-2419 EA 1-1/4" Flexible Straight Connector, Die Cast .....	16.38	5.38
For Work In Restricted Working Space, Add	2.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.88	
26 05 33 13-2420 EA 1-1/2" Flexible Straight Connector, Die Cast .....	22.63	5.77
For Work In Restricted Working Space, Add	3.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.60	
26 05 33 13-2421 EA 2" Flexible Straight Connector, Die Cast.....	29.71	6.53
For Work In Restricted Working Space, Add	4.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.32	
<b>26 05 33 13-2422 Die Cast Squeeze Type 90 Degree Connector</b> (26 05 33 13-2324)		
26 05 33 13-2423 EA 3/8" Flexible 90 Degree Connector, Die Cast .....	7.11	3.84
For Work In Restricted Working Space, Add	1.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.73	
26 05 33 13-2424 EA 1/2" Flexible 90 Degree Connector, Die Cast .....	8.97	4.22
For Work In Restricted Working Space, Add	2.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.02	
26 05 33 13-2425 EA 3/4" Flexible 90 Degree Connector, Die Cast .....	11.08	4.61
For Work In Restricted Working Space, Add	2.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.30	
26 05 33 13-2426 EA 1" Flexible 90 Degree Connector, Die Cast .....	18.59	5.38
For Work In Restricted Working Space, Add	2.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.88	
26 05 33 13-2427 EA 1-1/4" Flexible 90 Degree Connector, Die Cast .....	27.19	5.77
For Work In Restricted Working Space, Add	3.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.46	
26 05 33 13-2428 EA 1-1/2" Flexible 90 Degree Connector, Die Cast .....	43.65	6.72
For Work In Restricted Working Space, Add	4.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.32	
26 05 33 13-2429 EA 2" Flexible 90 Degree Connector, Die Cast .....	52.55	8.26
For Work In Restricted Working Space, Add	4.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.90	
<b>26 05 33 13-2430 Flexible Liquid Tight Non-Metallic Conduit And Connectors</b> (26 05 33 13-2282)		
<b>26 05 33 13-2431 Flexible Liquid Tight Non-Metallic Conduit</b> (26 05 33 13-2430)		
26 05 33 13-2432 LF 3/8" Flexible Liquid Tight Non-Metallic Conduit .....	3.62	1.05
For Work In Restricted Working Space, Add	0.79	
26 05 33 13-2433 LF 1/2" Flexible Liquid Tight Non-Metallic Conduit .....	3.71	1.05
For Work In Restricted Working Space, Add	0.79	
26 05 33 13-2434 LF 3/4" Flexible Liquid Tight Non-Metallic Conduit .....	5.00	1.40
For Work In Restricted Working Space, Add	1.05	
26 05 33 13-2435 LF 1" Flexible Liquid Tight Non-Metallic Conduit .....	6.52	1.40
For Work In Restricted Working Space, Add	1.05	
26 05 33 13-2436 LF 1-1/4" Flexible Liquid Tight Non-Metallic Conduit .....	8.29	1.76
For Work In Restricted Working Space, Add	1.31	
26 05 33 13-2437 LF 1-1/2" Flexible Liquid Tight Non-Metallic Conduit .....	10.72	2.11
For Work In Restricted Working Space, Add	1.58	
26 05 33 13-2438 LF 2" Flexible Liquid Tight Non-Metallic Conduit .....	13.66	2.81
For Work In Restricted Working Space, Add	2.11	
<b>26 05 33 13-2439 Liquid Tight Non-Metallic Straight Connector</b> (26 05 33 13-2430)		
26 05 33 13-2440 EA 3/8" Liquid Tight Non-Metallic Straight Connector .....	10.68	2.81
For Work In Restricted Working Space, Add	2.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.11	
26 05 33 13-2441 EA 1/2" Liquid Tight Non-Metallic Straight Connector .....	10.68	2.81
For Work In Restricted Working Space, Add	2.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.11	
26 05 33 13-2442 EA 3/4" Liquid Tight Non-Metallic Straight Connector .....	13.32	3.16
For Work In Restricted Working Space, Add	2.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.37	
26 05 33 13-2443 EA 1" Liquid Tight Non-Metallic Straight Connector .....	16.91	3.51
For Work In Restricted Working Space, Add	2.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.63	
26 05 33 13-2444 EA 1-1/4" Liquid Tight Non-Metallic Straight Connector .....	24.26	3.86
For Work In Restricted Working Space, Add	2.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.90	
26 05 33 13-2445 EA 1-1/2" Liquid Tight Non-Metallic Straight Connector .....	30.86	4.21
For Work In Restricted Working Space, Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-2446 EA 2" Liquid Tight Non-Metallic Straight Connector .....	49.58	4.92
For Work In Restricted Working Space, Add	3.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.68	
<b>26 05 33 13-2447 Liquid Tight Non-Metallic 90 Degree Angle Connector</b> (26 05 33 13-2430)		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2448 EA 3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector .....	15.61	3.86
For Work In Restricted Working Space, Add	2.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.90	
26 05 33 13-2449 EA 1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector .....	15.61	3.86
For Work In Restricted Working Space, Add	2.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.90	
26 05 33 13-2450 EA 3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector .....	19.68	4.21
For Work In Restricted Working Space, Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-2451 EA 1" Liquid Tight Non-Metallic 90 Degree Angle Connector .....	28.82	4.92
For Work In Restricted Working Space, Add	3.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.68	
26 05 33 13-2452 EA 1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector .....	29.61	5.27
For Work In Restricted Working Space, Add	3.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 05 33 13-2453 EA 1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector .....	49.32	5.62
For Work In Restricted Working Space, Add	4.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.21	
26 05 33 13-2454 EA 2" Liquid Tight Non-Metallic 90 Degree Angle Connector .....	67.42	6.32
For Work In Restricted Working Space, Add	4.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.74	
<b>26 05 33 13-2455 Liquid Tight Non-Metallic 45 Degree Angle Connector</b> <small>(26 05 33 13-2430)</small>		
26 05 33 13-2456 EA 3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector .....	15.61	3.86
For Work In Restricted Working Space, Add	2.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.90	
26 05 33 13-2457 EA 1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector .....	15.61	3.86
For Work In Restricted Working Space, Add	2.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.90	
26 05 33 13-2458 EA 3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector .....	19.68	4.21
For Work In Restricted Working Space, Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-2459 EA 1" Liquid Tight Non-Metallic 45 Degree Angle Connector .....	28.82	4.92
For Work In Restricted Working Space, Add	3.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.68	
26 05 33 13-2460 EA 1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector .....	29.61	5.27
For Work In Restricted Working Space, Add	3.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 05 33 13-2461 EA 1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector .....	49.32	5.62
For Work In Restricted Working Space, Add	4.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.21	
26 05 33 13-2462 EA 2" Liquid Tight Non-Metallic 45 Degree Angle Connector .....	67.42	6.32
For Work In Restricted Working Space, Add	4.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.74	
<b>26 05 33 13-2463 Blue ENT Electrical Non-Metallic Tubing</b> <small>(26 05 33 13-2282)</small>		
Note: Carlon - FLEX-PLUS.		
<b>26 05 33 13-2464 Blue ENT Electrical Non-Metallic Tubing</b> <small>(26 05 33 13-2463)</small>		
26 05 33 13-2465 LF 1/2" Blue ENT Electrical Non-Metallic Tubing .....	3.97	1.15
For Work In Restricted Working Space, Add	0.86	
26 05 33 13-2466 LF 3/4" Blue ENT Electrical Non-Metallic Tubing .....	5.36	1.53
For Work In Restricted Working Space, Add	1.15	
26 05 33 13-2467 LF 1" Blue ENT Electrical Non-Metallic Tubing .....	6.29	1.53
For Work In Restricted Working Space, Add	1.15	
<b>26 05 33 13-2468 Terminal Adapter</b> <small>(26 05 33 13-2463)</small>		
26 05 33 13-2469 EA 1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing .....	9.47	3.07
For Work In Restricted Working Space, Add	2.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.30	
26 05 33 13-2470 EA 3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing .....	11.91	3.46
For Work In Restricted Working Space, Add	2.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.59	
26 05 33 13-2471 EA 1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing .....	13.81	3.84
For Work In Restricted Working Space, Add	2.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.88	
<b>26 05 33 13-2472 Coupling</b> <small>(26 05 33 13-2463)</small>		
26 05 33 13-2473 EA 1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing .....	9.24	3.07
For Work In Restricted Working Space, Add	2.30	
26 05 33 13-2474 EA 3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing .....	10.66	3.46
For Work In Restricted Working Space, Add	2.59	
26 05 33 13-2475 EA 1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing .....	12.64	3.84
For Work In Restricted Working Space, Add	2.88	
<b>26 05 33 13-2476 Metallic Conduit Bodies</b> <small>(26 05 33 13-0057)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2477	Threaded, Cast Aluminum Conduit Body <small>(26 05 33 13-2476)</small>	
Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), Intermediate Metal Conduit (IMC), or Aluminum Rigid Conduit (ARC)		
26 05 33 13-2478	Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2477)</small>	
26 05 33 13-2479	EA 1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....52.02	16.84
	For Mogul LB, Add	
	For Work In Restricted Working Space, Add	
	For Elevated Installation >10' To 15', Add	
	For Elevated Installation >15' To 20', Add	
	For Elevated Installation >20' To 25', Add	
	For Elevated Installation >25' To 30', Add	
	For Elevated Installation >30' To 35', Add	
	For Elevated Installation >35' To 40', Add	
	For Elevated Installation >40', Add	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	
26 05 33 13-2480	EA 3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....61.69	19.30
	For Mogul LB, Add	
	For Work In Restricted Working Space, Add	
	For Elevated Installation >10' To 15', Add	
	For Elevated Installation >15' To 20', Add	
	For Elevated Installation >20' To 25', Add	
	For Elevated Installation >25' To 30', Add	
	For Elevated Installation >30' To 35', Add	
	For Elevated Installation >35' To 40', Add	
	For Elevated Installation >40', Add	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	
26 05 33 13-2481	EA 1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....75.29	22.46
	For Mogul LB, Add	
	For Work In Restricted Working Space, Add	
	For Elevated Installation >10' To 15', Add	
	For Elevated Installation >15' To 20', Add	
	For Elevated Installation >20' To 25', Add	
	For Elevated Installation >25' To 30', Add	
	For Elevated Installation >30' To 35', Add	
	For Elevated Installation >35' To 40', Add	
	For Elevated Installation >40', Add	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	
26 05 33 13-2482	EA 1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....92.63	25.62
	For Mogul LB, Add	
	For Work In Restricted Working Space, Add	
	For Elevated Installation >10' To 15', Add	
	For Elevated Installation >15' To 20', Add	
	For Elevated Installation >20' To 25', Add	
	For Elevated Installation >25' To 30', Add	
	For Elevated Installation >30' To 35', Add	
	For Elevated Installation >35' To 40', Add	
	For Elevated Installation >40', Add	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	
26 05 33 13-2483	EA 1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....107.05	28.07
	For Mogul LB, Add	
	For Work In Restricted Working Space, Add	
	For Elevated Installation >10' To 15', Add	
	For Elevated Installation >15' To 20', Add	
	For Elevated Installation >20' To 25', Add	
	For Elevated Installation >25' To 30', Add	
	For Elevated Installation >30' To 35', Add	
	For Elevated Installation >35' To 40', Add	
	For Elevated Installation >40', Add	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	
26 05 33 13-2484	EA 2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....143.78	33.69
	For Mogul LB, Add	
	For Work In Restricted Working Space, Add	
	For Elevated Installation >10' To 15', Add	
	For Elevated Installation >15' To 20', Add	
	For Elevated Installation >20' To 25', Add	
	For Elevated Installation >25' To 30', Add	
	For Elevated Installation >30' To 35', Add	
	For Elevated Installation >35' To 40', Add	
	For Elevated Installation >40', Add	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	
26 05 33 13-2485	EA 2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....250.26	47.37
	For Mogul LB, Add	
	For Work In Restricted Working Space, Add	
	For Elevated Installation >10' To 15', Add	
	For Elevated Installation >15' To 20', Add	
	For Elevated Installation >20' To 25', Add	
	For Elevated Installation >25' To 30', Add	
	For Elevated Installation >30' To 35', Add	
	For Elevated Installation >35' To 40', Add	
	For Elevated Installation >40', Add	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2486	EA		3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	328.12	63.16
			<i>For Mogul LB, Add</i>	119.75	
			<i>For Work In Restricted Working Space, Add</i>	47.38	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.79	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	31.58	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	39.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	55.27	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	63.17	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	78.96	
			<i>For Elevated Installation &gt;40', Add</i>	86.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.38	
26 05 33 13-2487	EA		3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	440.80	78.95
			<i>For Mogul LB, Add</i>	172.69	
			<i>For Work In Restricted Working Space, Add</i>	59.22	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	19.74	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	39.48	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	49.35	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	69.09	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	78.96	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	98.70	
			<i>For Elevated Installation &gt;40', Add</i>	108.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.22	
26 05 33 13-2488	EA		4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	578.62	96.15
			<i>For Mogul LB, Add</i>	241.66	
			<i>For Work In Restricted Working Space, Add</i>	72.11	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	24.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	48.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	60.10	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	84.13	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	96.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	120.19	
			<i>For Elevated Installation &gt;40', Add</i>	132.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.11	
26 05 33 13-2489			<b>Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2477)</small>		
26 05 33 13-2490	EA		1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	53.23	16.84
			<i>For Mogul LB, Add</i>	6.23	
			<i>For Work In Restricted Working Space, Add</i>	12.64	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.21	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.42	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.53	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.74	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.85	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.06	
			<i>For Elevated Installation &gt;40', Add</i>	23.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.64	
26 05 33 13-2491	EA		3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	62.87	19.30
			<i>For Mogul LB, Add</i>	8.55	
			<i>For Work In Restricted Working Space, Add</i>	14.48	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.83	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.65	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.06	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.89	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.13	
			<i>For Elevated Installation &gt;40', Add</i>	26.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.48	
26 05 33 13-2492	EA		1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	77.66	22.46
			<i>For Mogul LB, Add</i>	13.33	
			<i>For Work In Restricted Working Space, Add</i>	16.85	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.62	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.23	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.04	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.46	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.08	
			<i>For Elevated Installation &gt;40', Add</i>	30.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.85	
26 05 33 13-2493	EA		1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	95.52	25.62
			<i>For Mogul LB, Add</i>	20.40	
			<i>For Work In Restricted Working Space, Add</i>	19.22	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.41	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.81	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.01	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.42	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.62	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	32.03	
			<i>For Elevated Installation &gt;40', Add</i>	35.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.22	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2494 EA 1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	111.96	28.07
For Mogul LB, Add	27.83	
For Work In Restricted Working Space, Add	21.05	
For Elevated Installation >10' To 15', Add	7.02	
For Elevated Installation >15' To 20', Add	14.04	
For Elevated Installation >20' To 25', Add	17.55	
For Elevated Installation >25' To 30', Add	24.56	
For Elevated Installation >30' To 35', Add	28.07	
For Elevated Installation >35' To 40', Add	35.09	
For Elevated Installation >40', Add	38.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.05	
26 05 33 13-2495 EA 2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	154.31	33.69
For Mogul LB, Add	48.36	
For Work In Restricted Working Space, Add	25.27	
For Elevated Installation >10' To 15', Add	8.42	
For Elevated Installation >15' To 20', Add	16.84	
For Elevated Installation >20' To 25', Add	21.06	
For Elevated Installation >25' To 30', Add	29.48	
For Elevated Installation >30' To 35', Add	33.69	
For Elevated Installation >35' To 40', Add	42.11	
For Elevated Installation >40', Add	46.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.27	
26 05 33 13-2496 EA 2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	244.95	47.37
For Mogul LB, Add	88.96	
For Work In Restricted Working Space, Add	35.53	
For Elevated Installation >10' To 15', Add	11.84	
For Elevated Installation >15' To 20', Add	23.69	
For Elevated Installation >20' To 25', Add	29.61	
For Elevated Installation >25' To 30', Add	41.45	
For Elevated Installation >30' To 35', Add	47.38	
For Elevated Installation >35' To 40', Add	59.22	
For Elevated Installation >40', Add	65.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.53	
26 05 33 13-2497 EA 3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	310.25	63.16
For Mogul LB, Add	106.35	
For Work In Restricted Working Space, Add	47.38	
For Elevated Installation >10' To 15', Add	15.79	
For Elevated Installation >15' To 20', Add	31.58	
For Elevated Installation >20' To 25', Add	39.48	
For Elevated Installation >25' To 30', Add	55.27	
For Elevated Installation >30' To 35', Add	63.17	
For Elevated Installation >35' To 40', Add	78.96	
For Elevated Installation >40', Add	86.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.38	
26 05 33 13-2498 EA 3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	456.03	78.95
For Mogul LB, Add	184.11	
For Work In Restricted Working Space, Add	59.22	
For Elevated Installation >10' To 15', Add	19.74	
For Elevated Installation >15' To 20', Add	39.48	
For Elevated Installation >20' To 25', Add	49.35	
For Elevated Installation >25' To 30', Add	69.09	
For Elevated Installation >30' To 35', Add	78.96	
For Elevated Installation >35' To 40', Add	98.70	
For Elevated Installation >40', Add	108.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.22	
26 05 33 13-2499 EA 4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	609.74	96.15
For Mogul LB, Add	265.00	
For Work In Restricted Working Space, Add	72.11	
For Elevated Installation >10' To 15', Add	24.04	
For Elevated Installation >15' To 20', Add	48.08	
For Elevated Installation >20' To 25', Add	60.10	
For Elevated Installation >25' To 30', Add	84.13	
For Elevated Installation >30' To 35', Add	96.15	
For Elevated Installation >35' To 40', Add	120.19	
For Elevated Installation >40', Add	132.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.11	
26 05 33 13-2500 Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover <sup>(26 05 33 13-2477)</sup> .....		
26 05 33 13-2501 EA 1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	61.38	19.30
For Work In Restricted Working Space, Add	14.48	
For Elevated Installation >10' To 15', Add	4.83	
For Elevated Installation >15' To 20', Add	9.65	
For Elevated Installation >20' To 25', Add	12.06	
For Elevated Installation >25' To 30', Add	16.89	
For Elevated Installation >30' To 35', Add	19.30	
For Elevated Installation >35' To 40', Add	24.13	
For Elevated Installation >40', Add	26.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.48	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2502	EA	3/4"	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	73.05	22.46
			<i>For Work In Restricted Working Space, Add</i>	16.85	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.62	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.23	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.04	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.46	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.08	
			<i>For Elevated Installation &gt;40', Add</i>	30.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.85	
26 05 33 13-2503	EA	1"	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	85.33	24.57
			<i>For Work In Restricted Working Space, Add</i>	18.42	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.14	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.35	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.49	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.56	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.71	
			<i>For Elevated Installation &gt;40', Add</i>	33.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.42	
26 05 33 13-2504	EA	1-1/4"	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	106.44	28.07
			<i>For Work In Restricted Working Space, Add</i>	21.05	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.02	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.56	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.09	
			<i>For Elevated Installation &gt;40', Add</i>	38.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.05	
26 05 33 13-2505	EA	1-1/2"	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	124.33	30.88
			<i>For Work In Restricted Working Space, Add</i>	23.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.30	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.02	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	30.88	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	38.61	
			<i>For Elevated Installation &gt;40', Add</i>	42.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.16	
26 05 33 13-2506	EA	2"	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	170.95	36.15
			<i>For Work In Restricted Working Space, Add</i>	27.11	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.07	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.59	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	31.63	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.14	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.18	
			<i>For Elevated Installation &gt;40', Add</i>	49.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.11	
26 05 33 13-2507	EA	2-1/2"	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	273.99	52.64
			<i>For Work In Restricted Working Space, Add</i>	39.48	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	13.16	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	26.32	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	32.90	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	46.06	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	52.64	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	65.80	
			<i>For Elevated Installation &gt;40', Add</i>	72.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.48	
26 05 33 13-2508	EA	3"	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	353.63	68.43
			<i>For Work In Restricted Working Space, Add</i>	51.32	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	17.11	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	34.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	42.77	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	59.88	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	68.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	85.54	
			<i>For Elevated Installation &gt;40', Add</i>	94.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.32	
26 05 33 13-2509	EA	3-1/2"	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	589.70	84.22
			<i>For Work In Restricted Working Space, Add</i>	63.17	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	21.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	42.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	52.64	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	73.69	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	84.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	105.28	
			<i>For Elevated Installation &gt;40', Add</i>	115.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2510 EA 4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	671.00	101.42
For Work In Restricted Working Space, Add	76.06	
For Elevated Installation >10' To 15', Add	25.35	
For Elevated Installation >15' To 20', Add	50.71	
For Elevated Installation >20' To 25', Add	63.39	
For Elevated Installation >25' To 30', Add	88.74	
For Elevated Installation >30' To 35', Add	101.42	
For Elevated Installation >35' To 40', Add	126.77	
For Elevated Installation >40', Add	139.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.06	
<b>26 05 33 13-2511 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2477)</small>		
26 05 33 13-2512 EA 1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	53.47	16.84
For Work In Restricted Working Space, Add	12.64	
For Elevated Installation >10' To 15', Add	4.21	
For Elevated Installation >15' To 20', Add	8.42	
For Elevated Installation >20' To 25', Add	10.53	
For Elevated Installation >25' To 30', Add	14.74	
For Elevated Installation >30' To 35', Add	16.85	
For Elevated Installation >35' To 40', Add	21.06	
For Elevated Installation >40', Add	23.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.64	
26 05 33 13-2513 EA 3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	62.04	19.30
For Work In Restricted Working Space, Add	14.48	
For Elevated Installation >10' To 15', Add	4.83	
For Elevated Installation >15' To 20', Add	9.65	
For Elevated Installation >20' To 25', Add	12.06	
For Elevated Installation >25' To 30', Add	16.89	
For Elevated Installation >30' To 35', Add	19.30	
For Elevated Installation >35' To 40', Add	24.13	
For Elevated Installation >40', Add	26.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.48	
26 05 33 13-2514 EA 1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	75.82	22.11
For Work In Restricted Working Space, Add	16.58	
For Elevated Installation >10' To 15', Add	5.53	
For Elevated Installation >15' To 20', Add	11.05	
For Elevated Installation >20' To 25', Add	13.82	
For Elevated Installation >25' To 30', Add	19.34	
For Elevated Installation >30' To 35', Add	22.11	
For Elevated Installation >35' To 40', Add	27.64	
For Elevated Installation >40', Add	30.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.58	
26 05 33 13-2515 EA 1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	94.37	25.62
For Work In Restricted Working Space, Add	19.22	
For Elevated Installation >10' To 15', Add	6.41	
For Elevated Installation >15' To 20', Add	12.81	
For Elevated Installation >20' To 25', Add	16.01	
For Elevated Installation >25' To 30', Add	22.42	
For Elevated Installation >30' To 35', Add	25.62	
For Elevated Installation >35' To 40', Add	32.03	
For Elevated Installation >40', Add	35.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.22	
26 05 33 13-2516 EA 1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	106.25	28.07
For Work In Restricted Working Space, Add	21.05	
For Elevated Installation >10' To 15', Add	7.02	
For Elevated Installation >15' To 20', Add	14.04	
For Elevated Installation >20' To 25', Add	17.55	
For Elevated Installation >25' To 30', Add	24.56	
For Elevated Installation >30' To 35', Add	28.07	
For Elevated Installation >35' To 40', Add	35.09	
For Elevated Installation >40', Add	38.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.05	
26 05 33 13-2517 EA 2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	143.86	33.69
For Work In Restricted Working Space, Add	25.27	
For Elevated Installation >10' To 15', Add	8.42	
For Elevated Installation >15' To 20', Add	16.84	
For Elevated Installation >20' To 25', Add	21.06	
For Elevated Installation >25' To 30', Add	29.48	
For Elevated Installation >30' To 35', Add	33.69	
For Elevated Installation >35' To 40', Add	42.11	
For Elevated Installation >40', Add	46.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.27	
26 05 33 13-2518 EA 2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	240.47	47.37
For Work In Restricted Working Space, Add	35.53	
For Elevated Installation >10' To 15', Add	11.84	
For Elevated Installation >15' To 20', Add	23.69	
For Elevated Installation >20' To 25', Add	29.61	
For Elevated Installation >25' To 30', Add	41.45	
For Elevated Installation >30' To 35', Add	47.38	
For Elevated Installation >35' To 40', Add	59.22	
For Elevated Installation >40', Add	65.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.53	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2519	EA		3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	307.40	63.16
			<i>For Work In Restricted Working Space, Add</i>	47.38	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.79	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	31.58	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	39.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	55.27	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	63.17	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	78.96	
			<i>For Elevated Installation &gt;40', Add</i>	86.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.38	
26 05 33 13-2520	EA		3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	446.87	78.95
			<i>For Work In Restricted Working Space, Add</i>	59.22	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	19.74	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	39.48	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	49.35	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	69.09	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	78.96	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	98.70	
			<i>For Elevated Installation &gt;40', Add</i>	108.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.22	
26 05 33 13-2521	EA		4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	581.48	96.15
			<i>For Work In Restricted Working Space, Add</i>	72.11	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	24.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	48.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	60.10	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	84.13	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	96.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	120.19	
			<i>For Elevated Installation &gt;40', Add</i>	132.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.11	
26 05 33 13-2522			Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2477)</small>		
26 05 33 13-2523	EA		1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	71.38	22.11
			<i>For Work In Restricted Working Space, Add</i>	16.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.05	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.82	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.11	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	27.64	
			<i>For Elevated Installation &gt;40', Add</i>	30.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.58	
26 05 33 13-2524	EA		3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	83.20	24.57
			<i>For Work In Restricted Working Space, Add</i>	18.42	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.14	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.35	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.49	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.56	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.71	
			<i>For Elevated Installation &gt;40', Add</i>	33.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.42	
26 05 33 13-2525	EA		1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	104.43	27.02
			<i>For Work In Restricted Working Space, Add</i>	20.27	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.76	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.51	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.89	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	27.02	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.78	
			<i>For Elevated Installation &gt;40', Add</i>	37.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.27	
26 05 33 13-2526	EA		1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	120.63	30.88
			<i>For Work In Restricted Working Space, Add</i>	23.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.30	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.02	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	30.88	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	38.61	
			<i>For Elevated Installation &gt;40', Add</i>	42.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.16	
26 05 33 13-2527	EA		1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	160.26	33.69
			<i>For Work In Restricted Working Space, Add</i>	25.27	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.42	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.84	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.06	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.48	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.69	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	42.11	
			<i>For Elevated Installation &gt;40', Add</i>	46.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2528 EA 2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	193.20	41.41
For Work In Restricted Working Space, Add	31.06	
For Elevated Installation >10' To 15', Add	10.35	
For Elevated Installation >15' To 20', Add	20.70	
For Elevated Installation >20' To 25', Add	25.88	
For Elevated Installation >25' To 30', Add	36.23	
For Elevated Installation >30' To 35', Add	41.41	
For Elevated Installation >35' To 40', Add	51.76	
For Elevated Installation >40', Add	56.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.06	
26 05 33 13-2529 EA 2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover .....	374.27	60.70
For Work In Restricted Working Space, Add	45.53	
For Elevated Installation >10' To 15', Add	15.18	
For Elevated Installation >15' To 20', Add	30.36	
For Elevated Installation >20' To 25', Add	37.95	
For Elevated Installation >25' To 30', Add	53.12	
For Elevated Installation >30' To 35', Add	60.71	
For Elevated Installation >35' To 40', Add	75.89	
For Elevated Installation >40', Add	83.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.53	
26 05 33 13-2530 EA 3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	458.04	78.95
For Work In Restricted Working Space, Add	59.22	
For Elevated Installation >10' To 15', Add	19.74	
For Elevated Installation >15' To 20', Add	39.48	
For Elevated Installation >20' To 25', Add	49.35	
For Elevated Installation >25' To 30', Add	69.09	
For Elevated Installation >30' To 35', Add	78.96	
For Elevated Installation >35' To 40', Add	98.70	
For Elevated Installation >40', Add	108.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.22	
26 05 33 13-2531 EA 3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover .....	666.02	97.55
For Work In Restricted Working Space, Add	73.70	
For Elevated Installation >10' To 15', Add	24.57	
For Elevated Installation >15' To 20', Add	49.13	
For Elevated Installation >20' To 25', Add	61.41	
For Elevated Installation >25' To 30', Add	85.98	
For Elevated Installation >30' To 35', Add	98.26	
For Elevated Installation >35' To 40', Add	122.83	
For Elevated Installation >40', Add	135.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.70	
26 05 33 13-2532 EA 4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	805.85	117.21
For Work In Restricted Working Space, Add	87.91	
For Elevated Installation >10' To 15', Add	29.30	
For Elevated Installation >15' To 20', Add	58.60	
For Elevated Installation >20' To 25', Add	73.26	
For Elevated Installation >25' To 30', Add	102.56	
For Elevated Installation >30' To 35', Add	117.21	
For Elevated Installation >35' To 40', Add	146.51	
For Elevated Installation >40', Add	161.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.91	
<b>26 05 33 13-2533 Threaded, Malleable Iron Conduit Body</b> <small>(26 05 33 13-2476)</small>		
Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), or Intermediate Metal Conduit (IMC)		
<b>26 05 33 13-2534 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover</b> <small>(26 05 33 13-2533)</small>		
26 05 33 13-2535 EA 1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	55.39	16.84
For Work In Restricted Working Space, Add	12.64	
For Elevated Installation >10' To 15', Add	4.21	
For Elevated Installation >15' To 20', Add	8.42	
For Elevated Installation >20' To 25', Add	10.53	
For Elevated Installation >25' To 30', Add	14.74	
For Elevated Installation >30' To 35', Add	16.85	
For Elevated Installation >35' To 40', Add	21.06	
For Elevated Installation >40', Add	23.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.64	
26 05 33 13-2536 EA 3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	64.51	19.30
For Work In Restricted Working Space, Add	14.47	
For Elevated Installation >10' To 15', Add	4.82	
For Elevated Installation >15' To 20', Add	9.65	
For Elevated Installation >20' To 25', Add	12.06	
For Elevated Installation >25' To 30', Add	16.88	
For Elevated Installation >30' To 35', Add	19.30	
For Elevated Installation >35' To 40', Add	24.12	
For Elevated Installation >40', Add	26.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.47	
26 05 33 13-2537 EA 1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	80.40	22.46
For Work In Restricted Working Space, Add	16.85	
For Elevated Installation >10' To 15', Add	5.62	
For Elevated Installation >15' To 20', Add	11.23	
For Elevated Installation >20' To 25', Add	14.04	
For Elevated Installation >25' To 30', Add	19.65	
For Elevated Installation >30' To 35', Add	22.46	
For Elevated Installation >35' To 40', Add	28.08	
For Elevated Installation >40', Add	30.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.85	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2538 EA 1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	107.55	25.62
For Work In Restricted Working Space, Add	19.22	
For Elevated Installation >10' To 15', Add	6.41	
For Elevated Installation >15' To 20', Add	12.81	
For Elevated Installation >20' To 25', Add	16.01	
For Elevated Installation >25' To 30', Add	22.42	
For Elevated Installation >30' To 35', Add	25.62	
For Elevated Installation >35' To 40', Add	32.03	
For Elevated Installation >40', Add	35.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.22	
26 05 33 13-2539 EA 1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	123.54	28.07
For Work In Restricted Working Space, Add	21.05	
For Elevated Installation >10' To 15', Add	7.02	
For Elevated Installation >15' To 20', Add	14.04	
For Elevated Installation >20' To 25', Add	17.55	
For Elevated Installation >25' To 30', Add	24.56	
For Elevated Installation >30' To 35', Add	28.07	
For Elevated Installation >35' To 40', Add	35.09	
For Elevated Installation >40', Add	38.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.05	
26 05 33 13-2540 EA 2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	173.52	33.69
For Work In Restricted Working Space, Add	25.27	
For Elevated Installation >10' To 15', Add	8.42	
For Elevated Installation >15' To 20', Add	16.84	
For Elevated Installation >20' To 25', Add	21.06	
For Elevated Installation >25' To 30', Add	29.48	
For Elevated Installation >30' To 35', Add	33.69	
For Elevated Installation >35' To 40', Add	42.11	
For Elevated Installation >40', Add	46.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.27	
26 05 33 13-2541 EA 2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	301.23	47.37
For Work In Restricted Working Space, Add	35.53	
For Elevated Installation >10' To 15', Add	11.84	
For Elevated Installation >15' To 20', Add	23.69	
For Elevated Installation >20' To 25', Add	29.61	
For Elevated Installation >25' To 30', Add	41.45	
For Elevated Installation >30' To 35', Add	47.38	
For Elevated Installation >35' To 40', Add	59.22	
For Elevated Installation >40', Add	65.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.53	
26 05 33 13-2542 EA 3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	430.60	63.16
For Work In Restricted Working Space, Add	47.38	
For Elevated Installation >10' To 15', Add	15.79	
For Elevated Installation >15' To 20', Add	31.58	
For Elevated Installation >20' To 25', Add	39.48	
For Elevated Installation >25' To 30', Add	55.27	
For Elevated Installation >30' To 35', Add	63.17	
For Elevated Installation >35' To 40', Add	78.96	
For Elevated Installation >40', Add	86.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.38	
26 05 33 13-2543 EA 3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	601.09	78.95
For Work In Restricted Working Space, Add	59.22	
For Elevated Installation >10' To 15', Add	19.74	
For Elevated Installation >15' To 20', Add	39.48	
For Elevated Installation >20' To 25', Add	49.35	
For Elevated Installation >25' To 30', Add	69.09	
For Elevated Installation >30' To 35', Add	78.96	
For Elevated Installation >35' To 40', Add	98.70	
For Elevated Installation >40', Add	108.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.22	
26 05 33 13-2544 EA 4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	717.75	96.15
For Work In Restricted Working Space, Add	72.11	
For Elevated Installation >10' To 15', Add	24.04	
For Elevated Installation >15' To 20', Add	48.08	
For Elevated Installation >20' To 25', Add	60.10	
For Elevated Installation >25' To 30', Add	84.13	
For Elevated Installation >30' To 35', Add	96.15	
For Elevated Installation >35' To 40', Add	120.19	
For Elevated Installation >40', Add	132.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.11	
<b>26 05 33 13-2545 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover</b>		
<small>(26 05 33 13-2533)</small>		
26 05 33 13-2546 EA 1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	58.46	16.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.64	
26 05 33 13-2547 EA 3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	65.41	19.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.47	
26 05 33 13-2548 EA 1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	85.09	22.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.85	
26 05 33 13-2549 EA 1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	110.70	25.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.22	
26 05 33 13-2550 EA 1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	127.39	28.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.05	
26 05 33 13-2551 EA 2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	165.63	33.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2552 EA 2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	257.40	47.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.53	
26 05 33 13-2553 EA 3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	351.79	63.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.38	
26 05 33 13-2554 EA 3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	647.50	78.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.22	
26 05 33 13-2555 EA 4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	751.99	96.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.11	
<b>26 05 33 13-2556 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover</b> <small>(26 05 33 13-2533)</small>		
26 05 33 13-2557 EA 1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	70.16	19.30
For Work In Restricted Working Space, Add	14.48	
For Elevated Installation >10' To 15', Add	4.83	
For Elevated Installation >15' To 20', Add	9.65	
For Elevated Installation >20' To 25', Add	12.06	
For Elevated Installation >25' To 30', Add	16.89	
For Elevated Installation >30' To 35', Add	19.30	
For Elevated Installation >35' To 40', Add	24.13	
For Elevated Installation >40', Add	26.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.48	
26 05 33 13-2558 EA 3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	82.65	22.46
For Work In Restricted Working Space, Add	17.11	
For Elevated Installation >10' To 15', Add	5.70	
For Elevated Installation >15' To 20', Add	11.40	
For Elevated Installation >20' To 25', Add	14.26	
For Elevated Installation >25' To 30', Add	19.96	
For Elevated Installation >30' To 35', Add	22.81	
For Elevated Installation >35' To 40', Add	28.51	
For Elevated Installation >40', Add	31.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.11	
26 05 33 13-2559 EA 1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	100.16	24.57
For Work In Restricted Working Space, Add	18.42	
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.28	
For Elevated Installation >20' To 25', Add	15.35	
For Elevated Installation >25' To 30', Add	21.49	
For Elevated Installation >30' To 35', Add	24.56	
For Elevated Installation >35' To 40', Add	30.71	
For Elevated Installation >40', Add	33.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.42	
26 05 33 13-2560 EA 1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	129.35	28.07
For Work In Restricted Working Space, Add	20.79	
For Elevated Installation >10' To 15', Add	6.93	
For Elevated Installation >15' To 20', Add	13.86	
For Elevated Installation >20' To 25', Add	17.33	
For Elevated Installation >25' To 30', Add	24.26	
For Elevated Installation >30' To 35', Add	27.72	
For Elevated Installation >35' To 40', Add	34.65	
For Elevated Installation >40', Add	38.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.79	
26 05 33 13-2561 EA 1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	149.37	30.88
For Work In Restricted Working Space, Add	23.16	
For Elevated Installation >10' To 15', Add	7.72	
For Elevated Installation >15' To 20', Add	15.44	
For Elevated Installation >20' To 25', Add	19.30	
For Elevated Installation >25' To 30', Add	27.02	
For Elevated Installation >30' To 35', Add	30.88	
For Elevated Installation >35' To 40', Add	38.61	
For Elevated Installation >40', Add	42.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 05 33 13-2562 EA 2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	203.41	36.15
For Work In Restricted Working Space, Add	27.11	
For Elevated Installation >10' To 15', Add	9.04	
For Elevated Installation >15' To 20', Add	18.07	
For Elevated Installation >20' To 25', Add	22.59	
For Elevated Installation >25' To 30', Add	31.63	
For Elevated Installation >30' To 35', Add	36.14	
For Elevated Installation >35' To 40', Add	45.18	
For Elevated Installation >40', Add	49.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.11	
26 05 33 13-2563 EA 2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	250.19	52.64
For Work In Restricted Working Space, Add	39.48	
For Elevated Installation >10' To 15', Add	13.16	
For Elevated Installation >15' To 20', Add	26.32	
For Elevated Installation >20' To 25', Add	32.90	
For Elevated Installation >25' To 30', Add	46.06	
For Elevated Installation >30' To 35', Add	52.64	
For Elevated Installation >35' To 40', Add	65.80	
For Elevated Installation >40', Add	72.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.48	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2564	EA		3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	368.16	68.43
			<i>For Work In Restricted Working Space, Add</i>	51.32	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	17.11	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	34.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	42.77	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	59.88	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	68.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	85.54	
			<i>For Elevated Installation &gt;40', Add</i>	94.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.32	
26 05 33 13-2565	EA		3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	682.10	84.22
			<i>For Work In Restricted Working Space, Add</i>	63.17	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	21.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	42.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	52.64	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	73.69	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	84.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	105.28	
			<i>For Elevated Installation &gt;40', Add</i>	115.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.17	
26 05 33 13-2566	EA		4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	784.55	101.42
			<i>For Work In Restricted Working Space, Add</i>	76.33	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	25.44	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	50.88	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	63.61	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	89.05	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	101.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	127.21	
			<i>For Elevated Installation &gt;40', Add</i>	139.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.33	
<b>26 05 33 13-2567</b>			<b>Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2533)</small></b>		
26 05 33 13-2568	EA		1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	55.61	16.84
			<i>For Work In Restricted Working Space, Add</i>	12.63	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.21	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.42	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.53	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.74	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.84	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.06	
			<i>For Elevated Installation &gt;40', Add</i>	23.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.63	
26 05 33 13-2569	EA		3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	68.49	19.30
			<i>For Work In Restricted Working Space, Add</i>	14.48	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.83	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.65	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.06	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.89	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.13	
			<i>For Elevated Installation &gt;40', Add</i>	26.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.48	
26 05 33 13-2570	EA		1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	80.62	22.11
			<i>For Work In Restricted Working Space, Add</i>	16.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.05	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.82	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.11	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	27.64	
			<i>For Elevated Installation &gt;40', Add</i>	30.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.58	
26 05 33 13-2571	EA		1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	113.34	25.62
			<i>For Work In Restricted Working Space, Add</i>	19.22	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.41	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.81	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.01	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.42	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.62	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	32.03	
			<i>For Elevated Installation &gt;40', Add</i>	35.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.22	
26 05 33 13-2572	EA		1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	134.39	28.07
			<i>For Work In Restricted Working Space, Add</i>	21.05	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.02	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.56	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.09	
			<i>For Elevated Installation &gt;40', Add</i>	38.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.05	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2573 EA 2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	176.62	33.69
For Work In Restricted Working Space, Add	25.27	
For Elevated Installation >10' To 15', Add	8.42	
For Elevated Installation >15' To 20', Add	16.84	
For Elevated Installation >20' To 25', Add	21.06	
For Elevated Installation >25' To 30', Add	29.48	
For Elevated Installation >30' To 35', Add	33.69	
For Elevated Installation >35' To 40', Add	42.11	
For Elevated Installation >40', Add	46.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.27	
26 05 33 13-2574 EA 2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	380.90	88.87
For Work In Restricted Working Space, Add	66.62	
For Elevated Installation >10' To 15', Add	22.21	
For Elevated Installation >15' To 20', Add	44.42	
For Elevated Installation >20' To 25', Add	55.52	
For Elevated Installation >25' To 30', Add	77.73	
For Elevated Installation >30' To 35', Add	88.83	
For Elevated Installation >35' To 40', Add	111.04	
For Elevated Installation >40', Add	122.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.62	
26 05 33 13-2575 EA 3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	384.89	63.16
For Work In Restricted Working Space, Add	47.38	
For Elevated Installation >10' To 15', Add	15.79	
For Elevated Installation >15' To 20', Add	31.58	
For Elevated Installation >20' To 25', Add	39.48	
For Elevated Installation >25' To 30', Add	55.27	
For Elevated Installation >30' To 35', Add	63.17	
For Elevated Installation >35' To 40', Add	78.96	
For Elevated Installation >40', Add	86.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.38	
26 05 33 13-2576 EA 3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	647.50	78.95
For Work In Restricted Working Space, Add	59.22	
For Elevated Installation >10' To 15', Add	19.74	
For Elevated Installation >15' To 20', Add	39.48	
For Elevated Installation >20' To 25', Add	49.35	
For Elevated Installation >25' To 30', Add	69.09	
For Elevated Installation >30' To 35', Add	78.96	
For Elevated Installation >35' To 40', Add	98.70	
For Elevated Installation >40', Add	108.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.22	
26 05 33 13-2577 EA 4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	751.98	96.15
For Work In Restricted Working Space, Add	72.11	
For Elevated Installation >10' To 15', Add	24.04	
For Elevated Installation >15' To 20', Add	48.07	
For Elevated Installation >20' To 25', Add	60.09	
For Elevated Installation >25' To 30', Add	84.13	
For Elevated Installation >30' To 35', Add	96.15	
For Elevated Installation >35' To 40', Add	120.19	
For Elevated Installation >40', Add	132.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.11	
<b>26 05 33 13-2578 Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover</b> <small>(26 05 33 13-2533)</small>		
26 05 33 13-2579 EA 1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	79.56	22.11
For Work In Restricted Working Space, Add	16.58	
For Elevated Installation >10' To 15', Add	5.53	
For Elevated Installation >15' To 20', Add	11.05	
For Elevated Installation >20' To 25', Add	13.82	
For Elevated Installation >25' To 30', Add	19.34	
For Elevated Installation >30' To 35', Add	22.11	
For Elevated Installation >35' To 40', Add	27.64	
For Elevated Installation >40', Add	30.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.58	
26 05 33 13-2580 EA 3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	86.61	24.57
For Work In Restricted Working Space, Add	18.42	
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.28	
For Elevated Installation >20' To 25', Add	15.35	
For Elevated Installation >25' To 30', Add	21.49	
For Elevated Installation >30' To 35', Add	24.56	
For Elevated Installation >35' To 40', Add	30.71	
For Elevated Installation >40', Add	33.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.42	
26 05 33 13-2581 EA 1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	102.14	27.02
For Work In Restricted Working Space, Add	20.27	
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.51	
For Elevated Installation >20' To 25', Add	16.89	
For Elevated Installation >25' To 30', Add	23.65	
For Elevated Installation >30' To 35', Add	27.02	
For Elevated Installation >35' To 40', Add	33.78	
For Elevated Installation >40', Add	37.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.27	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2582 EA 1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	122.87	30.88
For Work In Restricted Working Space, Add	23.16	
For Elevated Installation >10' To 15', Add	7.72	
For Elevated Installation >15' To 20', Add	15.44	
For Elevated Installation >20' To 25', Add	19.30	
For Elevated Installation >25' To 30', Add	27.02	
For Elevated Installation >30' To 35', Add	30.88	
For Elevated Installation >35' To 40', Add	38.61	
For Elevated Installation >40', Add	42.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 05 33 13-2583 EA 1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	143.79	33.69
For Work In Restricted Working Space, Add	25.27	
For Elevated Installation >10' To 15', Add	8.42	
For Elevated Installation >15' To 20', Add	16.84	
For Elevated Installation >20' To 25', Add	21.06	
For Elevated Installation >25' To 30', Add	29.48	
For Elevated Installation >30' To 35', Add	33.69	
For Elevated Installation >35' To 40', Add	42.11	
For Elevated Installation >40', Add	46.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.27	
26 05 33 13-2584 EA 2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	207.23	41.41
For Work In Restricted Working Space, Add	31.06	
For Elevated Installation >10' To 15', Add	10.35	
For Elevated Installation >15' To 20', Add	20.70	
For Elevated Installation >20' To 25', Add	25.88	
For Elevated Installation >25' To 30', Add	36.23	
For Elevated Installation >30' To 35', Add	41.41	
For Elevated Installation >35' To 40', Add	51.76	
For Elevated Installation >40', Add	56.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.06	
26 05 33 13-2585 EA 2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	336.94	60.70
For Work In Restricted Working Space, Add	45.53	
For Elevated Installation >10' To 15', Add	15.18	
For Elevated Installation >15' To 20', Add	30.36	
For Elevated Installation >20' To 25', Add	37.95	
For Elevated Installation >25' To 30', Add	53.12	
For Elevated Installation >30' To 35', Add	60.71	
For Elevated Installation >35' To 40', Add	75.89	
For Elevated Installation >40', Add	83.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.53	
26 05 33 13-2586 EA 3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	505.08	78.95
For Work In Restricted Working Space, Add	59.22	
For Elevated Installation >10' To 15', Add	19.74	
For Elevated Installation >15' To 20', Add	39.48	
For Elevated Installation >20' To 25', Add	49.35	
For Elevated Installation >25' To 30', Add	69.09	
For Elevated Installation >30' To 35', Add	78.96	
For Elevated Installation >35' To 40', Add	98.70	
For Elevated Installation >40', Add	108.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.22	
26 05 33 13-2587 EA 3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	775.97	97.55
For Work In Restricted Working Space, Add	73.17	
For Elevated Installation >10' To 15', Add	24.39	
For Elevated Installation >15' To 20', Add	48.78	
For Elevated Installation >20' To 25', Add	60.97	
For Elevated Installation >25' To 30', Add	85.36	
For Elevated Installation >30' To 35', Add	97.56	
For Elevated Installation >35' To 40', Add	121.95	
For Elevated Installation >40', Add	134.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.17	
26 05 33 13-2588 EA 4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	857.96	117.21
For Work In Restricted Working Space, Add	87.91	
For Elevated Installation >10' To 15', Add	29.30	
For Elevated Installation >15' To 20', Add	58.60	
For Elevated Installation >20' To 25', Add	73.26	
For Elevated Installation >25' To 30', Add	102.56	
For Elevated Installation >30' To 35', Add	117.21	
For Elevated Installation >35' To 40', Add	146.51	
For Elevated Installation >40', Add	161.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.91	
26 05 33 13-2589		
Set Screw, Cast Aluminum Conduit Body (26 05 33 13-2476)		
Note: For use with Electrical Metallic Tubing (EMT)		
26 05 33 13-2590		
Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2589)		
26 05 33 13-2591 EA 1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	28.19	6.67
For Work In Restricted Working Space, Add	5.00	
For Elevated Installation >10' To 15', Add	1.67	
For Elevated Installation >15' To 20', Add	3.33	
For Elevated Installation >20' To 25', Add	4.17	
For Elevated Installation >25' To 30', Add	5.83	
For Elevated Installation >30' To 35', Add	6.67	
For Elevated Installation >35' To 40', Add	8.34	
For Elevated Installation >40', Add	9.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2592 EA 3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	35.78	8.77
For Work In Restricted Working Space, Add	6.58	
For Elevated Installation >10' To 15', Add	2.19	
For Elevated Installation >15' To 20', Add	4.39	
For Elevated Installation >20' To 25', Add	5.48	
For Elevated Installation >25' To 30', Add	7.68	
For Elevated Installation >30' To 35', Add	8.77	
For Elevated Installation >35' To 40', Add	10.97	
For Elevated Installation >40', Add	12.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.58	
26 05 33 13-2593 EA 1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	49.55	10.87
For Work In Restricted Working Space, Add	8.16	
For Elevated Installation >10' To 15', Add	2.72	
For Elevated Installation >15' To 20', Add	5.44	
For Elevated Installation >20' To 25', Add	6.80	
For Elevated Installation >25' To 30', Add	9.52	
For Elevated Installation >30' To 35', Add	10.88	
For Elevated Installation >35' To 40', Add	13.60	
For Elevated Installation >40', Add	14.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.16	
26 05 33 13-2594 EA 1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	65.14	13.33
For Work In Restricted Working Space, Add	10.00	
For Elevated Installation >10' To 15', Add	3.33	
For Elevated Installation >15' To 20', Add	6.67	
For Elevated Installation >20' To 25', Add	8.34	
For Elevated Installation >25' To 30', Add	11.67	
For Elevated Installation >30' To 35', Add	13.34	
For Elevated Installation >35' To 40', Add	16.67	
For Elevated Installation >40', Add	18.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.00	
26 05 33 13-2595 EA 1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	88.06	15.44
For Work In Restricted Working Space, Add	11.58	
For Elevated Installation >10' To 15', Add	3.86	
For Elevated Installation >15' To 20', Add	7.72	
For Elevated Installation >20' To 25', Add	9.65	
For Elevated Installation >25' To 30', Add	13.51	
For Elevated Installation >30' To 35', Add	15.44	
For Elevated Installation >35' To 40', Add	19.30	
For Elevated Installation >40', Add	21.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	
26 05 33 13-2596 EA 2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	119.98	17.55
For Work In Restricted Working Space, Add	13.16	
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.77	
For Elevated Installation >20' To 25', Add	10.97	
For Elevated Installation >25' To 30', Add	15.35	
For Elevated Installation >30' To 35', Add	17.54	
For Elevated Installation >35' To 40', Add	21.93	
For Elevated Installation >40', Add	24.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.16	
<b>26 05 33 13-2597 Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With</b>		
<b>Cover</b> <small>(26 05 33 13-2599)</small>		
26 05 33 13-2598 EA 1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	28.51	6.67
For Work In Restricted Working Space, Add	5.00	
For Elevated Installation >10' To 15', Add	1.67	
For Elevated Installation >15' To 20', Add	3.33	
For Elevated Installation >20' To 25', Add	4.17	
For Elevated Installation >25' To 30', Add	5.83	
For Elevated Installation >30' To 35', Add	6.67	
For Elevated Installation >35' To 40', Add	8.34	
For Elevated Installation >40', Add	9.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.00	
26 05 33 13-2599 EA 3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	37.00	8.77
For Work In Restricted Working Space, Add	6.58	
For Elevated Installation >10' To 15', Add	2.19	
For Elevated Installation >15' To 20', Add	4.39	
For Elevated Installation >20' To 25', Add	5.48	
For Elevated Installation >25' To 30', Add	7.68	
For Elevated Installation >30' To 35', Add	8.77	
For Elevated Installation >35' To 40', Add	10.97	
For Elevated Installation >40', Add	12.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.58	
26 05 33 13-2600 EA 1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	45.32	10.87
For Work In Restricted Working Space, Add	8.16	
For Elevated Installation >10' To 15', Add	2.72	
For Elevated Installation >15' To 20', Add	5.44	
For Elevated Installation >20' To 25', Add	6.80	
For Elevated Installation >25' To 30', Add	9.52	
For Elevated Installation >30' To 35', Add	10.88	
For Elevated Installation >35' To 40', Add	13.60	
For Elevated Installation >40', Add	14.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.16	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2601	EA	1-1/4"	Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....64.78		13.33
			<i>For Work In Restricted Working Space, Add</i>	10.00	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.34	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.67	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.67	
			<i>For Elevated Installation &gt;40', Add</i>	18.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.00	
26 05 33 13-2602	EA	1-1/2"	Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....81.03		15.44
			<i>For Work In Restricted Working Space, Add</i>	11.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.65	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.51	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.44	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.30	
			<i>For Elevated Installation &gt;40', Add</i>	21.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
26 05 33 13-2603	EA	2"	Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....119.37		17.55
			<i>For Work In Restricted Working Space, Add</i>	13.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.97	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.54	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.93	
			<i>For Elevated Installation &gt;40', Add</i>	24.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.16	
26 05 33 13-2604			<b>Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <sup>(26</sup></b>		
			<sup>05 33 13-2609)</sup>		
26 05 33 13-2605	EA	1/2"	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....36.44		8.77
			<i>For Work In Restricted Working Space, Add</i>	6.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.97	
			<i>For Elevated Installation &gt;40', Add</i>	12.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-2606	EA	3/4"	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....48.10		10.87
			<i>For Work In Restricted Working Space, Add</i>	8.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.52	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.88	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.60	
			<i>For Elevated Installation &gt;40', Add</i>	14.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.16	
26 05 33 13-2607	EA	1"	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....57.77		13.33
			<i>For Work In Restricted Working Space, Add</i>	10.00	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.34	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.67	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.67	
			<i>For Elevated Installation &gt;40', Add</i>	18.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.00	
26 05 33 13-2608	EA	1-1/4"	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....82.54		15.44
			<i>For Work In Restricted Working Space, Add</i>	12.11	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.07	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.13	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.14	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.18	
			<i>For Elevated Installation &gt;40', Add</i>	22.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.11	
26 05 33 13-2609	EA	1-1/2"	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....107.83		17.55
			<i>For Work In Restricted Working Space, Add</i>	14.21	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.74	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.47	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.84	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.58	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.95	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.69	
			<i>For Elevated Installation &gt;40', Add</i>	26.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2610 EA 2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	149.40	19.65
For Work In Restricted Working Space, Add	16.32	
For Elevated Installation >10' To 15', Add	5.44	
For Elevated Installation >15' To 20', Add	10.88	
For Elevated Installation >20' To 25', Add	13.60	
For Elevated Installation >25' To 30', Add	19.04	
For Elevated Installation >30' To 35', Add	21.76	
For Elevated Installation >35' To 40', Add	27.20	
For Elevated Installation >40', Add	29.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.32	
<b>26 05 33 13-2611 Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2589)</small>		
26 05 33 13-2612 EA 1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	29.54	6.67
For Work In Restricted Working Space, Add	5.00	
For Elevated Installation >10' To 15', Add	1.67	
For Elevated Installation >15' To 20', Add	3.33	
For Elevated Installation >20' To 25', Add	4.17	
For Elevated Installation >25' To 30', Add	5.83	
For Elevated Installation >30' To 35', Add	6.67	
For Elevated Installation >35' To 40', Add	8.34	
For Elevated Installation >40', Add	9.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.00	
26 05 33 13-2613 EA 3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	39.69	8.77
For Work In Restricted Working Space, Add	6.58	
For Elevated Installation >10' To 15', Add	2.19	
For Elevated Installation >15' To 20', Add	4.39	
For Elevated Installation >20' To 25', Add	5.48	
For Elevated Installation >25' To 30', Add	7.68	
For Elevated Installation >30' To 35', Add	8.77	
For Elevated Installation >35' To 40', Add	10.97	
For Elevated Installation >40', Add	12.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.58	
26 05 33 13-2614 EA 1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	51.09	10.87
For Work In Restricted Working Space, Add	8.16	
For Elevated Installation >10' To 15', Add	2.72	
For Elevated Installation >15' To 20', Add	5.44	
For Elevated Installation >20' To 25', Add	6.80	
For Elevated Installation >25' To 30', Add	9.52	
For Elevated Installation >30' To 35', Add	10.88	
For Elevated Installation >35' To 40', Add	13.60	
For Elevated Installation >40', Add	14.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.16	
26 05 33 13-2615 EA 1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	66.97	13.33
For Work In Restricted Working Space, Add	10.00	
For Elevated Installation >10' To 15', Add	3.33	
For Elevated Installation >15' To 20', Add	6.67	
For Elevated Installation >20' To 25', Add	8.34	
For Elevated Installation >25' To 30', Add	11.67	
For Elevated Installation >30' To 35', Add	13.34	
For Elevated Installation >35' To 40', Add	16.67	
For Elevated Installation >40', Add	18.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.00	
26 05 33 13-2616 EA 1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	82.29	15.44
For Work In Restricted Working Space, Add	11.58	
For Elevated Installation >10' To 15', Add	3.86	
For Elevated Installation >15' To 20', Add	7.72	
For Elevated Installation >20' To 25', Add	9.65	
For Elevated Installation >25' To 30', Add	13.51	
For Elevated Installation >30' To 35', Add	15.44	
For Elevated Installation >35' To 40', Add	19.30	
For Elevated Installation >40', Add	21.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	
26 05 33 13-2617 EA 2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	131.11	17.55
For Work In Restricted Working Space, Add	13.16	
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.77	
For Elevated Installation >20' To 25', Add	10.97	
For Elevated Installation >25' To 30', Add	15.35	
For Elevated Installation >30' To 35', Add	17.54	
For Elevated Installation >35' To 40', Add	21.93	
For Elevated Installation >40', Add	24.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.16	
<b>26 05 33 13-2618 Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways)</b> <small>(26 05 33 13-2476)</small>		
26 05 33 13-2619 EA 3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120) .....	145.41	19.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.42	
26 05 33 13-2620 EA 1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250) .....	567.45	35.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.66	
26 05 33 13-2621 EA 3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400).....	1,089.06	72.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.09	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2622		Replacement Covers And Gaskets For Conduit Body <small>(26 05 33 13-2476)</small>		
26 05 33	13-2623		Replacement Stamped Aluminum Conduit Body Cover <small>(26 05 33 13-2622)</small>		
26 05 33	13-2624	EA	1/2" Replacement Stamped Aluminum Conduit Body Cover .....	10.08	3.42
26 05 33	13-2625	EA	3/4" Replacement Stamped Aluminum Conduit Body Cover .....	12.52	3.99
26 05 33	13-2626	EA	1" Replacement Stamped Aluminum Conduit Body Cover .....	16.01	5.14
26 05 33	13-2627	EA	1-1/4" Replacement Stamped Aluminum Conduit Body Cover .....	19.48	6.27
26 05 33	13-2628	EA	1-1/2" Replacement Stamped Aluminum Conduit Body Cover .....	24.21	7.41
26 05 33	13-2629	EA	2" Replacement Stamped Aluminum Conduit Body Cover .....	28.92	8.56
26 05 33	13-2630	EA	2-1/2" Replacement Stamped Aluminum Conduit Body Cover .....	39.84	9.69
26 05 33	13-2631	EA	3" Replacement Stamped Aluminum Conduit Body Cover .....	50.07	13.68
26 05 33	13-2632	EA	3-1/2" Replacement Stamped Aluminum Conduit Body Cover .....	54.26	15.40
26 05 33	13-2633	EA	4" Replacement Stamped Aluminum Conduit Body Cover .....	68.39	19.39
26 05 33	13-2634		Replacement Cast Steel Conduit Body Cover <small>(26 05 33 13-2622)</small>		
26 05 33	13-2635	EA	1/2" Replacement Cast Steel Conduit Body Cover .....	12.29	3.42
26 05 33	13-2636	EA	3/4" Replacement Cast Steel Conduit Body Cover .....	14.45	3.99
26 05 33	13-2637	EA	1" Replacement Cast Steel Conduit Body Cover .....	20.76	5.14
26 05 33	13-2638	EA	1-1/4" Replacement Cast Steel Conduit Body Cover .....	25.91	6.27
26 05 33	13-2639	EA	1-1/2" Replacement Cast Steel Conduit Body Cover .....	31.70	7.41
26 05 33	13-2640	EA	2" Replacement Cast Steel Conduit Body Cover .....	37.49	8.56
26 05 33	13-2641	EA	2-1/2" Replacement Cast Steel Conduit Body Cover .....	43.24	9.69
26 05 33	13-2642	EA	3" Replacement Cast Steel Conduit Body Cover .....	58.10	13.68
26 05 33	13-2643	EA	3-1/2" Replacement Cast Steel Conduit Body Cover .....	66.91	15.40
26 05 33	13-2644	EA	4" Replacement Cast Steel Conduit Body Cover .....	84.40	19.39
26 05 33	13-2645		Replacement Velbuna Composition Conduit Body Gasket <small>(26 05 33 13-2622)</small>		
26 05 33	13-2646	EA	1/2" Replacement Velbuna Composition Conduit Body Gasket .....	9.09	3.42
26 05 33	13-2647	EA	3/4" Replacement Velbuna Composition Conduit Body Gasket .....	10.31	3.99
26 05 33	13-2648	EA	1" Replacement Velbuna Composition Conduit Body Gasket .....	13.55	5.14
26 05 33	13-2649	EA	1-1/4" Replacement Velbuna Composition Conduit Body Gasket .....	17.99	6.27
26 05 33	13-2650	EA	1-1/2" Replacement Velbuna Composition Conduit Body Gasket .....	20.27	7.41
26 05 33	13-2651	EA	2" Replacement Velbuna Composition Conduit Body Gasket .....	24.36	8.56
26 05 33	13-2652	EA	2-1/2" Replacement Velbuna Composition Conduit Body Gasket .....	33.59	9.69
26 05 33	13-2653	EA	3" Replacement Velbuna Composition Conduit Body Gasket .....	42.27	13.68
26 05 33	13-2654	EA	3-1/2" Replacement Velbuna Composition Conduit Body Gasket .....	46.88	15.40
26 05 33	13-2655	EA	4" Replacement Velbuna Composition Conduit Body Gasket .....	54.77	19.39
26 05 33	13-2656		Replacement Neoprene Conduit Body Gasket <small>(26 05 33 13-2622)</small>		
26 05 33	13-2657	EA	1/2" Replacement Neoprene Conduit Body Gasket .....	10.63	3.42
26 05 33	13-2658	EA	3/4" Replacement Neoprene Conduit Body Gasket .....	11.78	3.99
26 05 33	13-2659	EA	1" Replacement Neoprene Conduit Body Gasket .....	15.47	5.14
26 05 33	13-2660	EA	1-1/4" Replacement Neoprene Conduit Body Gasket .....	18.96	6.27
26 05 33	13-2661	EA	1-1/2" Replacement Neoprene Conduit Body Gasket .....	21.24	7.41
26 05 33	13-2662	EA	2" Replacement Neoprene Conduit Body Gasket .....	24.46	8.56
26 05 33	13-2663	EA	2-1/2" Replacement Neoprene Conduit Body Gasket .....	33.84	9.69
26 05 33	13-2664	EA	3" Replacement Neoprene Conduit Body Gasket .....	42.52	13.68
26 05 33	13-2665	EA	3-1/2" Replacement Neoprene Conduit Body Gasket .....	48.52	15.40
26 05 33	13-2666	EA	4" Replacement Neoprene Conduit Body Gasket .....	56.41	19.39
26 05 33	16		<b>Boxes for Electrical Systems</b> <small>(26 05 33)</small>		
See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.					
26 05 33	16-0001		Steel Junction, Device, And Fixture Boxes, Rings And Covers <small>(26 05 33 16)</small>		
Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0138 for steel box/switch assemblies.					
26 05 33	16-0002		4" Square Steel Boxes, Rings And Covers <small>(26 05 33 16-0001)</small>		
26 05 33	16-0003	EA	1-1/2" Depth, 4" Square Steel Box .....	33.74	14.41
For Stud Bracket, Add				1.21	
26 05 33	16-0004	EA	2-1/8" Depth, 4" Square Steel Box .....	35.98	14.41
For Stud Bracket, Add				2.17	
26 05 33	16-0005	EA	3-1/2" Depth, 4" Square Steel Box .....	43.67	14.41
For Stud Bracket, Add				2.37	
26 05 33	16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring .....	30.16	9.61
26 05 33	16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring .....	22.38	9.61
26 05 33	16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring .....	11.96	4.80
26 05 33	16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring .....	12.32	4.80
26 05 33	16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring .....	12.58	4.80
26 05 33	16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring .....	13.41	4.80
26 05 33	16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring .....	13.65	4.80
26 05 33	16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring .....	16.31	4.80
26 05 33	16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring .....	12.97	4.80
26 05 33	16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring .....	13.23	4.80
26 05 33	16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring .....	13.54	4.80
26 05 33	16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring .....	16.27	4.80
26 05 33	16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring .....	16.83	4.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0019 EA 1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	20.29	4.80
26 05 33 16-0020 EA 3/4" Depth, Fixture Cover, 4" Square Mud Rings.....	14.30	4.80
26 05 33 16-0021 EA 1" Depth, Fixture Cover, 4" Square Mud Rings.....	16.50	4.80
26 05 33 16-0022 EA One Toggle Switch, 4" Square Steel Exposed Work Cover.....	12.93	4.80
26 05 33 16-0023 EA Two Toggle Switches, 4" Square Steel Exposed Work Cover.....	13.13	4.80
26 05 33 16-0024 EA One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	12.88	4.80
26 05 33 16-0025 EA Two Duplex Receptacles, 4" Square Steel Exposed Work Cover.....	13.47	4.80
26 05 33 16-0026 EA One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	13.96	4.80
26 05 33 16-0027 EA One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	20.06	4.80
26 05 33 16-0028 EA One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	13.87	4.80
26 05 33 16-0029 EA Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover.....	20.06	4.80
26 05 33 16-0030 EA One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	13.87	4.80
26 05 33 16-0031 EA One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	15.30	4.80
26 05 33 16-0032 EA One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	20.06	4.80
26 05 33 16-0033 EA One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	20.06	4.80
26 05 33 16-0034 EA Flat, 4" Square Steel Exposed Work Cover.....	11.19	4.80
<b>26 05 33 16-0035 4-11/16" Square Steel Boxes, Rings And Covers</b> (26 05 33 16-0001)		
26 05 33 16-0036 EA 1-1/2" Depth, 4-11/16" Square Steel Box.....	42.03	14.41
26 05 33 16-0037 EA 2-1/8" Depth, 4-11/16" Square Steel Box.....	36.96	14.41
<i>For Stud Bracket, Add</i>		
	<i>1.14</i>	
26 05 33 16-0038 EA 3-1/4" Depth, 4-11/16" Square Steel Box.....	62.42	14.41
26 05 33 16-0039 EA 1-1/2" Depth, 4-11/16" Square Extension Ring.....	32.28	9.61
26 05 33 16-0040 EA 2-1/8" Depth, 4-11/16" Square Extension Ring.....	33.53	9.61
26 05 33 16-0041 EA 1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	17.03	4.80
26 05 33 16-0042 EA 5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	17.09	4.80
26 05 33 16-0043 EA 3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	19.25	4.80
26 05 33 16-0044 EA 1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	18.38	4.80
26 05 33 16-0045 EA 1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	18.19	4.80
26 05 33 16-0046 EA 1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	27.18	4.80
26 05 33 16-0047 EA 1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	18.75	4.80
26 05 33 16-0048 EA 5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	19.22	4.80
26 05 33 16-0049 EA 3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	19.25	4.80
26 05 33 16-0050 EA 1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	22.43	4.80
26 05 33 16-0051 EA 1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	23.09	4.80
26 05 33 16-0052 EA 1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	30.79	4.80
26 05 33 16-0053 EA 1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	18.33	4.80
26 05 33 16-0054 EA 5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	18.56	4.80
26 05 33 16-0055 EA One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover.....	24.52	4.80
26 05 33 16-0056 EA Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover.....	26.19	4.80
26 05 33 16-0057 EA One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	24.03	4.80
26 05 33 16-0058 EA Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover.....	22.21	4.80
26 05 33 16-0059 EA One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	28.30	4.80
26 05 33 16-0060 EA One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	26.18	4.80
26 05 33 16-0061 EA One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	26.18	4.80
26 05 33 16-0062 EA One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	26.18	4.80
26 05 33 16-0063 EA Flat, 4-11/16" Square Steel Exposed Work Cover.....	12.55	4.80
<b>26 05 33 16-0064 Steel Square Box Brackets</b> (26 05 33 16-0001)		
26 05 33 16-0065 EA 16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes.....	16.71	7.21
26 05 33 16-0066 EA Single Box Bracket, One 4" Or 4-11/16" Square Box.....	13.14	4.81
26 05 33 16-0067 EA 16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes.....	22.11	7.21
26 05 33 16-0068 EA 24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes.....	24.89	7.21
<b>26 05 33 16-0069 4" Octagon Steel Boxes And Covers</b> (26 05 33 16-0001)		
26 05 33 16-0070 EA 1-1/2" Depth, 4" Steel Octagon Box.....	28.05	12.00
<i>For Stud Bracket, Add</i>		
	<i>2.94</i>	
26 05 33 16-0071 EA 2-1/8" Depth, 4" Steel Octagon Box.....	30.01	12.00
26 05 33 16-0072 EA Flat, 4" Octagon Steel Exposed Work Cover.....	11.06	4.80
<b>26 05 33 16-0073 4" Steel Octagonal Concrete Rings And Steel Covers</b> (26 05 33 16-0001)		
<i>Note: Placed in concrete slabs or walls.</i>		
26 05 33 16-0074 EA 2" Depth, 4" Steel Octagonal Concrete Ring.....	47.28	
26 05 33 16-0075 EA 2-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	50.65	
26 05 33 16-0076 EA 3" Depth, 4" Steel Octagonal Concrete Ring.....	52.95	
26 05 33 16-0077 EA 3-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	55.14	
26 05 33 16-0078 EA 4" Depth, 4" Steel Octagonal Concrete Ring.....	62.45	
26 05 33 16-0079 EA 5" Depth, 4" Steel Octagonal Concrete Ring.....	70.11	
26 05 33 16-0080 EA 6" Depth, 4" Steel Octagonal Concrete Ring.....	75.62	
26 05 33 16-0081 EA Flat, 4" Steel Octagonal Concrete Cover.....	13.76	4.80
<b>26 05 33 16-0082 4-1/2" Steel Gang Boxes</b> (26 05 33 16-0001)		
26 05 33 16-0083 EA 2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	55.80	12.00
26 05 33 16-0084 EA 3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	61.77	12.97
26 05 33 16-0085 EA 4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	76.78	14.41

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	106.50	15.84
26 05 33	16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	171.15	17.29
26 05 33	16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	86.07	12.00
26 05 33	16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	94.02	12.97
26 05 33	16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	131.24	14.41
26 05 33	16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	174.22	15.84
26 05 33	16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	305.04	17.29
26 05 33	16-0093	EA	2 Device, Gang Box Mud Ring.....	25.35	4.80
26 05 33	16-0094	EA	3 Device, Gang Box Mud Ring.....	25.86	4.80
26 05 33	16-0095	EA	4 Device, Gang Box Mud Ring.....	31.69	4.80
26 05 33	16-0096	EA	5 Device, Gang Box Mud Ring.....	41.72	4.80
26 05 33	16-0097	EA	6 Device, Gang Box Mud Ring.....	63.71	4.80
26 05 33	16-0098	EA	2 Device, Gang Box Flat Cover.....	20.34	4.80
26 05 33	16-0099	EA	3 Device, Gang Box Flat Cover.....	25.80	4.80
26 05 33	16-0100	EA	4 Device, Gang Box Flat Cover.....	33.05	4.80
26 05 33	16-0101	EA	5 Device, Gang Box Flat Cover.....	42.28	4.80
26 05 33	16-0102	EA	6 Device, Gang Box Flat Cover.....	65.27	4.80
<b>26 05 33</b>	<b>16-0103</b>		<b>Steel Switch Boxes</b> <small>(26 05 33 16-0001)</small>		
26 05 33	16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box .....	31.82	12.00
26 05 33	16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box .....	32.67	12.00
26 05 33	16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box .....	37.04	12.00
26 05 33	16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box .....	46.86	12.00
26 05 33	16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box .....	47.71	12.00
26 05 33	16-0109	EA	2-1/2" Depth, 4 Device, Stud Bracket, Steel Box .....	61.01	12.00
<b>26 05 33</b>	<b>16-0110</b>		<b>4" x 2" Steel Handy Boxes, Extension Rings And Covers</b> <small>(26 05 33 16-0001)</small>		
26 05 33	16-0111	EA	1-1/2" Deep, 4" x 2" Steel Handy Box.....	27.83	12.00
			<i>For Stud Bracket, Add</i>	4.73	
26 05 33	16-0112	EA	1-7/8" Deep, 4" x 2" Steel Handy Box.....	28.74	12.00
			<i>For Stud Bracket, Add</i>	2.04	
26 05 33	16-0113	EA	2-1/8" Deep, 4" x 2" Steel Handy Box.....	30.75	12.00
			<i>For Stud Bracket, Add</i>	2.77	
26 05 33	16-0114	EA	1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring.....	19.90	7.20
26 05 33	16-0115	EA	1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring.....	19.00	7.20
26 05 33	16-0116	EA	GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover .....	6.78	2.40
26 05 33	16-0117	EA	1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	6.95	2.40
26 05 33	16-0118	EA	Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover .....	6.10	2.40
26 05 33	16-0119	EA	Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover.....	6.16	2.40
26 05 33	16-0120	EA	1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	7.89	2.40
26 05 33	16-0121	EA	Flat, 2" x 4" Steel Handy Box Exposed Work Cover .....	6.16	2.40
<b>26 05 33</b>	<b>16-0122</b>		<b>3"-1/2" Depth, 3-3/4" Steel Masonry Boxes</b> <small>(26 05 33 16-0001)</small>		
26 05 33	16-0123	EA	1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box .....	44.26	16.81
26 05 33	16-0124	EA	2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box .....	51.60	17.77
26 05 33	16-0125	EA	3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box .....	61.46	19.20
26 05 33	16-0126	EA	4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box .....	71.52	21.13
<b>26 05 33</b>	<b>16-0127</b>		<b>Cast Boxes</b> <small>(26 05 33 16)</small>		
			Note: For flush or surface mount.		
<b>26 05 33</b>	<b>16-0128</b>		<b>Cast Iron Alloy Boxes</b> <small>(26 05 33 16-0127)</small>		
			See CSI section 26 27 26 00-0277 for box covers.		
<b>26 05 33</b>	<b>16-0129</b>		<b>Shallow, Single Gang Cast Iron Alloy Boxes</b> <small>(26 05 33 16-0128)</small>		
			Note: Up to 2" deep boxes.		
26 05 33	16-0130	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	86.24	28.81
			Note: One hub.		
26 05 33	16-0131	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	92.11	33.61
			Note: One hub.		
26 05 33	16-0132	EA	1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	108.08	40.81
			Note: One hub.		
26 05 33	16-0133	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box .....	107.04	38.42
			Note: Two hub.		
26 05 33	16-0134	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box .....	137.91	45.62
			Note: Two hub.		
26 05 33	16-0135	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box.....	106.55	38.42
			Note: Two hub.		
26 05 33	16-0136	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box .....	128.30	45.62
			Note: Two hubs.		
26 05 33	16-0137	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box .....	109.64	38.42
			Note: Two hubs.		
26 05 33	16-0138	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box .....	128.35	45.62
			Note: Two hubs.		
26 05 33	16-0139	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box.....	106.55	38.42
			Note: Two hubs.		
26 05 33	16-0140	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box.....	124.53	45.62
			Note: Two hubs.		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0141 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	126.27	48.02
26 05 33 16-0142 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	149.19	57.62
26 05 33 16-0143 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	132.19	48.02
26 05 33 16-0144 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	171.79	57.62
26 05 33 16-0145 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	136.06	48.02
26 05 33 16-0146 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	162.49	57.62
26 05 33 16-0147 EA 1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	125.76	48.02
26 05 33 16-0148 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	165.11	57.62
26 05 33 16-0149 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box..... Note: Four hubs.	161.43	57.62
26 05 33 16-0150 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box..... Note: Four hubs.	194.71	69.63
<b>26 05 33 16-0151 Deep, Single Gang Cast Iron Alloy Boxes (26 05 33 16-0128)</b> Note: >2" deep boxes.		
26 05 33 16-0152 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	90.60	28.81
26 05 33 16-0153 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	104.22	33.61
26 05 33 16-0154 EA 1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	122.05	40.81
26 05 33 16-0155 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	115.02	38.42
26 05 33 16-0156 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	132.41	45.62
26 05 33 16-0157 EA 1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	159.04	55.22
26 05 33 16-0158 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	143.29	45.62
26 05 33 16-0159 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	184.67	57.62
<b>26 05 33 16-0160 Shallow, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128)</b> Note: Up to 2" deep boxes.		
26 05 33 16-0161 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	104.77	31.22
26 05 33 16-0162 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	115.66	36.01
26 05 33 16-0163 EA 1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	133.96	43.22
26 05 33 16-0164 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	126.08	40.81
26 05 33 16-0165 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	142.72	48.02
<b>26 05 33 16-0166 Deep, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128)</b> Note: >2" deep boxes.		
26 05 33 16-0167 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box..... Note: One hub.	117.87	31.22
26 05 33 16-0168 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box..... Note: One hub.	127.99	36.01
26 05 33 16-0169 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	145.80	40.81
26 05 33 16-0170 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	163.56	48.02
<b>26 05 33 16-0171 Cast Aluminum Boxes (26 05 33 16-0127)</b> See CSI section 26 27 26 00-0277 for box covers.		
<b>26 05 33 16-0172 Shallow, Single Gang Cast Aluminum Boxes (26 05 33 16-0171)</b> Note: Up to 2" deep boxes.		
26 05 33 16-0173 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	76.64	24.01
26 05 33 16-0174 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	87.38	28.81
26 05 33 16-0175 EA 1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	95.96	36.01
26 05 33 16-0176 EA 1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	71.56	24.01
26 05 33 16-0177 EA 3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	90.97	28.81

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0178 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	96.34	33.61
26 05 33 16-0179 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	115.62	40.81
26 05 33 16-0180 EA 1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	145.31	50.42
26 05 33 16-0181 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	105.18	33.61
26 05 33 16-0182 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	111.32	40.81
26 05 33 16-0183 EA 1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	100.16	33.61
26 05 33 16-0184 EA 3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	114.32	40.81
26 05 33 16-0185 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	96.91	33.61
26 05 33 16-0186 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	114.32	40.81
26 05 33 16-0187 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	89.41	33.61
26 05 33 16-0188 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	122.30	40.81
26 05 33 16-0189 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	113.79	43.22
26 05 33 16-0190 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	138.16	52.83
26 05 33 16-0191 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	121.56	43.22
26 05 33 16-0192 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	165.09	52.83
26 05 33 16-0193 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	120.91	43.22
26 05 33 16-0194 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	148.41	52.83
26 05 33 16-0195 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	150.72	52.83
26 05 33 16-0196 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box ..... Note: Four hubs.	147.39	52.83
26 05 33 16-0197 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box ..... Note: Four hubs.	179.81	64.83
<b>26 05 33 16-0198 Deep, Single Gang Cast Aluminum Boxes (26 05 33 16-0171)</b> Note: >2" deep boxes.		
26 05 33 16-0199 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box ..... Note: One hub.	85.66	24.01
26 05 33 16-0200 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box ..... Note: One hub.	102.60	28.81
26 05 33 16-0201 EA 1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box ..... Note: One hub.	116.88	36.01
26 05 33 16-0202 EA 3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box ..... Note: One hub.	110.83	28.81
26 05 33 16-0203 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	108.00	33.61
26 05 33 16-0204 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	129.94	40.81
26 05 33 16-0205 EA 1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	143.97	50.42
26 05 33 16-0206 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	131.85	40.81
26 05 33 16-0207 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box ..... Note: Three hubs.	160.43	52.83
<b>26 05 33 16-0208 Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171)</b> Note: Up to 2" deep boxes.		
26 05 33 16-0209 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box ..... Note: One hub.	103.09	26.41
26 05 33 16-0210 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box ..... Note: One hub.	117.77	31.22
26 05 33 16-0211 EA 1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box ..... Note: One hub.	125.07	38.42
26 05 33 16-0212 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box ..... Note: Two hubs.	127.99	36.01
26 05 33 16-0213 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box ..... Note: Two hubs.	128.69	43.22
26 05 33 16-0214 EA 1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box ..... Note: Two hubs.	159.11	52.83
<b>26 05 33 16-0215 Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171)</b> Note: >2" deep boxes.		
26 05 33 16-0216 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box ..... Note: One hub.	102.99	26.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0217 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box..... Note: One hub.	119.00	31.22
26 05 33 16-0218 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box ..... Note: Two hubs.	130.80	36.01
26 05 33 16-0219 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box ..... Note: Two hubs.	147.54	43.22
26 05 33 16-0220 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box ..... Note: Two hubs.	130.80	36.01
26 05 33 16-0221 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box ..... Note: Two hubs.	147.54	43.22
<b>26 05 33 16-0222 Shallow, Three Gang Cast Aluminum Boxes</b> <small>(26 05 33 16-0171)</small> Note: Up to 2" deep boxes.		
26 05 33 16-0223 EA 1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box..... Note: Two hubs.	137.11	38.42
26 05 33 16-0224 EA 3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box ..... Note: Two hubs.	153.11	45.62
<b>26 05 33 16-0225 Deep, Three Gang Cast Aluminum Boxes</b> <small>(26 05 33 16-0171)</small> Note: >2" deep boxes.		
26 05 33 16-0226 EA 3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box ..... Note: One hub.	159.23	33.61
26 05 33 16-0227 EA 1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box ..... Note: One hub.	176.53	40.81
<b>26 05 33 16-0228 Cast Aluminum Explosion Proof Outlet Bodies</b> <small>(26 05 33 16-0127)</small> Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229 EA 1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	163.72	38.42
26 05 33 16-0230 EA 3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	204.23	43.22
26 05 33 16-0231 EA 1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	184.29	48.02
26 05 33 16-0232 EA 1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body.....	181.25	43.22
26 05 33 16-0233 EA 3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA.....	222.37	48.02
<b>26 05 33 16-0234 Non Metallic (PVC) Boxes</b> <small>(26 05 33 16)</small> See CSI section 26 27 26 00-0277 for box covers.		
<b>26 05 33 16-0235 Shallow, Single Gang Non Metallic (PVC) Boxes</b> <small>(26 05 33 16-0234)</small>		
26 05 33 16-0236 EA 1/2" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	52.68	20.17
26 05 33 16-0237 EA 3/4" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	59.80	23.53
26 05 33 16-0238 EA 1" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	66.63	28.57
26 05 33 16-0239 EA 1/2" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	66.52	26.90
26 05 33 16-0240 EA 3/4" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	77.87	31.93
26 05 33 16-0241 EA 1" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	94.51	38.66
26 05 33 16-0242 EA 1/2" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	66.84	26.90
26 05 33 16-0243 EA 3/4" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	77.00	31.93
26 05 33 16-0244 EA 1" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	91.53	38.66
26 05 33 16-0245 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	84.70	33.61
26 05 33 16-0246 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	94.70	40.33
26 05 33 16-0247 EA 1" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	110.47	48.74
<b>26 05 33 16-0248 Deep, Single Gang Non Metallic (PVC) Boxes</b> <small>(26 05 33 16-0234)</small>		
26 05 33 16-0249 EA No Hub, Type FD, Deep, Single Gang Non Metallic (PVC) Box ..... Note: No hubs.	53.64	20.17
26 05 33 16-0250 EA 1/2" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	51.95	20.17
26 05 33 16-0251 EA 3/4" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	62.08	23.53
26 05 33 16-0252 EA 1" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	67.57	28.57
26 05 33 16-0253 EA 1/2" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	68.41	26.90
26 05 33 16-0254 EA 3/4" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	75.39	31.93
26 05 33 16-0255 EA 1" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	89.69	38.66

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 33 16-0256</b> <b>Shallow, Two Gang Non Metallic (PVC) Boxes</b> <small>(26 05 33 16-0234)</small>		
26 05 33 16-0257    EA    1/2" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	56.55	21.85
26 05 33 16-0258    EA    3/4" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	64.62	25.21
26 05 33 16-0259    EA    1" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	70.17	30.25
26 05 33 16-0260    EA    1/2" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: Two hubs.	67.78	28.57
26 05 33 16-0261    EA    3/4" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: Two hubs.	85.34	33.61
26 05 33 16-0262    EA    1" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: Two hubs.	100.48	40.33
26 05 33 16-0263    EA    1/2" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	70.02	28.57
26 05 33 16-0264    EA    3/4" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	91.53	33.61
26 05 33 16-0265    EA    1" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	95.51	40.33
26 05 33 16-0266    EA    1/2" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	85.28	35.30
26 05 33 16-0267    EA    3/4" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	116.13	42.02
26 05 33 16-0268    EA    1" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	113.68	50.42
<b>26 05 33 16-0269</b> <b>Poke Thru Units</b> <small>(26 05 33 16)</small>		
<b>26 05 33 16-0270</b> <b>Surface Poke Thru Units</b> <small>(26 05 33 16-0269)</small>		
26 05 33 16-0271    EA    Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	459.17	36.01
26 05 33 16-0272    EA    Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements .....	293.11	
26 05 33 16-0273    EA    20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC37REC.	39.48	9.61
26 05 33 16-0274    EA    Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC3APTCBK.	49.03	4.80
26 05 33 16-0275    EA    Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	519.77	38.42
26 05 33 16-0276    EA    Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements .....	274.15	
26 05 33 16-0277    EA    Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit ..... Note: Wiremold RC4REC2.	68.08	14.41
26 05 33 16-0278    EA    Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC4APTCBK.	49.03	4.80
26 05 33 16-0279    EA    Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit..... Note: Wiremold ABPLUG4.	143.69	9.61
26 05 33 16-0280    EA    Four Jack RC9AMD Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	410.68	33.61
26 05 33 16-0281    EA    Abandonment Plate For RC9 Series Communications Poke Thru Unit ..... Note: Wiremold RC9APTCBK.	33.79	4.80
26 05 33 16-0282    EA    Eight Jack AMD8 Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	408.76	33.61
26 05 33 16-0283    EA    Communication Conduit Adapter For Poke Thru Units..... Note: Includes two conduit connections for communication systems. Wiremold COM75.	47.36	4.80
<b>26 05 33 16-0284</b> <b>Recessed Poke Thru Units</b> <small>(26 05 33 16-0269)</small>		
<b>26 05 33 16-0285</b> <b>Evolution 6AT Poke Thru Units</b> <small>(26 05 33 16-0284)</small>		
26 05 33 16-0286    EA    Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) .....	796.65	38.42
26 05 33 16-0287    EA    Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP).....	796.75	38.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0288 EA Recessed Assembly With Surface Style Cover (Wiremold 6ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	758.68	38.42
26 05 33 16-0289 EA Recessed Assembly With Flush Style Cover (Wiremold 6AT) ..... Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	758.68	38.42
26 05 33 16-0290 EA Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	796.65	38.42
26 05 33 16-0291 EA Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA)..... Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	796.65	38.42
26 05 33 16-0292 EA Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) ..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	726.54	38.42
26 05 33 16-0293 EA Recessed Assembly With Disposable Plate (Wiremold 6STC)..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	451.44	36.01
26 05 33 16-0294 EA Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) ..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	485.02	36.01
26 05 33 16-0295 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) ..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	488.35	36.01
26 05 33 16-0296 EA 6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) ..... Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	135.36	19.20
26 05 33 16-0297 EA Surface Style Cover Assembly (Wiremold 6CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	323.08	9.61
26 05 33 16-0298 EA Flush Style Cover Assembly (Wiremold 6CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	323.08	9.61
26 05 33 16-0299 EA Furniture Feed Cover Assembly (Wiremold 6CFFTC) ..... Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	268.02	9.61
26 05 33 16-0300 EA Tile Shim (Wiremold 6TS)..... Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	38.43	2.40
26 05 33 16-0301 EA Device Mounting Plate (Wiremold 6AAP) ..... Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	17.60	4.80
26 05 33 16-0302 EA Device Mounting Plate (Wiremold 6ACT8A)..... Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	20.58	4.80
26 05 33 16-0303 EA Device Mounting Plate (Wiremold 6B) ..... Note: Device plate used to blank off center compartment, when no devices are used.	17.51	4.80
26 05 33 16-0304 EA Device Mounting Plate (Wiremold 6DEC)..... Note: Device plate that will accept Decorator style devices such as 20 amperes receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	17.57	4.80
26 05 33 16-0305 EA Device Mounting Plate (Wiremold 6DP) ..... Note: Device plate that will accept standard 20 amperes duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	17.44	4.80
26 05 33 16-0306 EA Device Mounting Plate (Wiremold 6MAAP) ..... Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	20.90	4.80
26 05 33 16-0307 EA Device Mounting Plate (Wiremold 6MAAP2A)..... Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	20.65	4.80
26 05 33 16-0308 EA Mosaic Mounting Plate (Wiremold 6MOS)..... Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	21.20	4.80
26 05 33 16-0309 EA Device Mounting Plate (Wiremold 6S1) ..... Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	17.15	4.80
26 05 33 16-0310 EA Device Mounting Plate (Wiremold 6S2)..... Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	17.17	4.80
26 05 33 16-0311 EA Device Mounting Plate (Wiremold 6SER) ..... Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	16.91	4.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0312 EA Device Mounting Plate (Wiremold 6TRAC).....	16.91	4.80
Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.		
26 05 33 16-0313 EA 20 Amperes, Duplex Receptacles (Wiremold 68REC).....	42.22	7.20
Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.		
26 05 33 16-0314 EA Device Mounting Plate (Wiremold 68B).....	15.34	4.80
Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.		
26 05 33 16-0315 EA Device Mounting Plate (Wiremold 68MAAP).....	15.77	4.80
Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.		
26 05 33 16-0316 EA 20 Amperes, Duplex Receptacles (Wiremold 68REC-25).....	137.60	8.64
Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated		
26 05 33 16-0317 EA Device Mounting Plate (Wiremold 682A).....	20.38	4.80
Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.		
26 05 33 16-0318 EA Bottom Housing Assembly (Wiremold 5PTHA).....	21.31	4.80
Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.		
26 05 33 16-0319 EA Bottom Housing Assembly (Wiremold 5BLH).....	21.97	4.80
Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.		
26 05 33 16-0320 EA Bottom Housing Assembly (Wiremold 152CHA).....	32.96	9.61
Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCF). Covers the center compartment and one of the side compartments.		
26 05 33 16-0321 EA Bottom Housing Assembly (Wiremold 575CHA).....	37.42	12.00
Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.		
26 05 33 16-0322 EA Bottom Housing Assembly (Wiremold 175CHA).....	41.69	12.00
Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.		
26 05 33 16-0323 EA Bottom Housing Assembly (Wiremold 1125CHA).....	31.51	9.61
Note: One-gang 1 1/4" trade size conduit housing assembly.		
26 05 33 16-0324 EA Bottom Housing Assembly (Wiremold 1PTHA).....	21.15	4.80
Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.		
26 05 33 16-0325 EA Bottom Housing Assembly (Wiremold 1BLH).....	21.15	4.80
Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.		
26 05 33 16-0326 EA Bottom Housing Assembly (Wiremold 15FFHA).....	22.38	4.80
Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.		
26 05 33 16-0327 EA Bottom Housing Assembly (Wiremold 1BHA).....	23.21	4.80
Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.		
<b>26 05 33 16-0328 Evolution 8AT Poke Thru Units</b> (26 05 33 16-0284)		
Note: Excludes concrete drilling.		
26 05 33 16-0329 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP).....	1,049.22	38.42
Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0330 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP).....	997.98	38.42
Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0331 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 8AT2P).....	1,060.82	38.42
Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0332 EA Recessed Assembly With Surface Style Cover (Wiremold 8ATC).....	988.34	38.42
Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0333 EA Recessed Assembly With Flush Style Cover (Wiremold 8AT).....	979.20	38.42
Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0334 EA Recessed Assembly With Disposable Plate (Wiremold 8STC).....	587.02	36.01
Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.		
26 05 33 16-0335 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP).....	659.20	36.01
Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.		
26 05 33 16-0336 EA 8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS).....	163.53	19.20
Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.		
26 05 33 16-0337 EA Surface Style Cover Assembly (Wiremold 8CTC).....	349.67	9.61
Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0338 EA Flush Style Cover Assembly (Wiremold 8CT).....	349.67	9.61
Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.		
26 05 33 16-0339 EA Tile Shim (Wiremold 8TS).....	60.34	2.40
Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.		
26 05 33 16-0340 EA Device Mounting Plate (Wiremold 8B).....	18.24	4.80
Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.		
26 05 33 16-0341 EA Device Mounting Plate (Wiremold 8DP).....	18.35	4.80
Note: Singlegang device plate that accepts standard 20 amperes duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0342 EA Device Mounting Plate (Wiremold 8DEC).....	18.48	4.80
Note: Singlegang device plate that will accept Decorator style devices such as 20 amperes receptacles, GGCLs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0343 EA Device Mounting Plate (Wiremold 8ACT6A).....	21.68	4.80
Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0344 EA Mosaic Mounting Plate (Wiremold 8MOS).....	26.61	4.80
Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.		
26 05 33 16-0345 EA Crestron Double Gang Plate (Wiremold 8CREST).....	26.57	4.80
Note: Device plate accepts Crestron double-gang decorator style devices.		
26 05 33 16-0346 EA Device Mounting Plate (Wiremold 8S1).....	17.64	4.80
Note: Receptacle opening 1 3/8". For 8" poke-thru units only.		
26 05 33 16-0347 EA Device Mounting Plate (Wiremold 8S2).....	17.88	4.80
Note: Receptacle opening 1 9/16". For 8" poke-thru units only.		
26 05 33 16-0348 EA Device Mounting Plate (Wiremold 8TRAC).....	17.64	4.80
Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0349 EA Device Mounting Plate (Wiremold 8SER).....	17.64	4.80
Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0350 EA Device Mounting Plate (Wiremold 8MAAP).....	26.17	4.80
Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0351 EA Device Mounting Plate (Wiremold 8AAP).....	21.54	4.80
Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0352 EA 8" Divider (Wiremold 8DIV).....	25.08	4.80
Note: Divider allows for separation of services when required.		
26 05 33 16-0353 EA Bottom Housing Assembly (Wiremold 22CHA).....	32.96	9.61
Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.		
<b>26 05 33 16-0354 Wall Boxes For WIREMOLD® Evolution™ Series (26 05 33 16)</b>		
26 05 33 16-0355 EA 2-Gang Evolution Series Wall Box (Wiremold EFSB2).....	327.99	4.80
26 05 33 16-0356 EA 4-Gang Evolution Series Wall Box (Wiremold EFSB4).....	380.45	4.80
26 05 33 16-0357 EA Trim Flange And Cover Assembly For EFSB2/EFSB4 (Wiremold EFSC).....	89.75	9.61
26 05 33 16-0358 EA Device Module (Wiremold EFS-DM).....	143.48	4.80
26 05 33 16-0359 EA Storage Module (Wiremold EFS-SM).....	109.11	4.80
26 05 33 16-0360 EA 2-Gang Device Bracket (Wiremold EFS-DB).....	81.97	4.80
26 05 33 16-0361 EA Tunnel (Wiremold EFS-TUN).....	58.45	4.80
26 05 33 16-0362 EA Divider (Wiremold EFS-DIV).....	34.94	4.80
26 05 33 16-0363 EA Mounting Bracket (Wiremold EFS-MB).....	39.55	4.80
26 05 33 16-0364 EA 2-3/4" x 4-1/2" Blank Device Plate (Wiremold EFB-B).....	35.93	4.80
26 05 33 16-0365 EA 2-3/4" x 4-1/2" Device Plate, Extron AAP Devices (Wiremold EFB-AAP).....	52.19	4.80
26 05 33 16-0366 EA 2-3/4" x 4-1/2" Device Plate, Extron MAAP Devices (Wiremold EFB-MAAP).....	57.75	4.80
26 05 33 16-0367 EA 2-3/4" x 4-1/2" European Device Plate (Wiremold EFB-MOS).....	39.42	4.80
26 05 33 16-0368 EA One 3/4" And One 3/4" x 1-1/4" Trade Size, Knockout Plate (Wiremold EFB810-3/4-11/4).....	31.32	4.80
26 05 33 16-0369 EA 2" Trade Size, Knockout Plate (Wiremold EFB810-2).....	31.32	4.80
26 05 33 16-0370 EA Three-Gang Device Plate (Wiremold 8CREST3G).....	43.17	4.80
26 05 33 16-0371 EA 20A Controlled Duplex Receptacle (Wiremold 68REC-CTRL).....	58.24	9.61
26 05 33 16-0372 EA 1" Trade Size, One-gang, Bottom Housing Assembly (Wiremold 1100CHA).....	51.74	9.61
26 05 33 16-0373 EA 1-1/2" Trade Size, Two-gang, Bottom Housing Assembly (Wiremold 1150CHA).....	47.24	9.61
<b>26 05 33 23 Surface Raceways for Electrical Systems (26 05 33)</b>		
<b>26 05 33 23-0001 Raceways (26 05 33 23)</b>		
<b>26 05 33 23-0002 Wireway With Screw Cover (26 05 33 23-0001)</b>		
Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface.		
<b>26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover (26 05 33 23-0002)</b>		
26 05 33 23-0004 LF 2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover.....	23.70	4.38
For Combination Hinged Screw Cover, Add		
	0.75	
For Concrete Or Masonry Surface, Add		
	0.44	
26 05 33 23-0005 EA 2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover.....	18.57	6.58
For Combination Hinged Screw Cover, Add		
	0.27	
26 05 33 23-0006 EA 2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover.....	21.81	8.21
For Combination Hinged Screw Cover, Add		
	0.27	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0007	EA		2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	46.59 0.79	15.35
26 05 33 23-0008	EA		2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	78.21 2.38	15.35
26 05 33 23-0009	EA		2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	116.16 3.63	21.84
26 05 33 23-0010	EA		2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	130.51 4.11	24.13
<b>26 05 33 23-0011</b>			<b>4" x 4", Wireway With Screw Cover</b> <small>(26 05 33 23-0002)</small>		
26 05 33 23-0012	LF		4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	28.99 0.90 0.55	5.53
26 05 33 23-0013	LF		4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	53.52 2.13 0.55	5.53
26 05 33 23-0014	EA		4" x 4", End Plate For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	15.30 0.28	4.83
26 05 33 23-0015	EA		4" x 4", Coupling For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	24.07 0.28	9.21
26 05 33 23-0016	EA		4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	54.79 0.86	18.77
26 05 33 23-0017	EA		4" x 4", Elbow For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	89.56 2.60	18.77
26 05 33 23-0018	EA		4" x 4", Tee For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	127.58 3.94	24.39
26 05 33 23-0019	EA		4" x 4", Cross For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	147.26 4.51	28.51
<b>26 05 33 23-0020</b>			<b>6" x 6", Wireway With Screw Cover</b> <small>(26 05 33 23-0002)</small>		
26 05 33 23-0021	LF		6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	43.88 1.53 0.66	6.58
26 05 33 23-0022	LF		6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	86.89 3.69 0.66	6.58
26 05 33 23-0023	EA		6" x 6", End Plate For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	19.61 0.45	5.27
26 05 33 23-0024	EA		6" x 6", Coupling For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	31.02 0.45	10.97
26 05 33 23-0025	EA		6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	78.93 1.77	21.84
26 05 33 23-0026	EA		6" x 6", Elbow For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	115.65 3.60	21.84
26 05 33 23-0027	EA		6" x 6", Tee For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	183.97 6.47	27.29
26 05 33 23-0028	EA		6" x 6", Cross For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	198.74 6.78	31.58
<b>26 05 33 23-0029</b>			<b>8" x 8", Wireway With Screw Cover</b> <small>(26 05 33 23-0002)</small>		
26 05 33 23-0030	LF		8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	71.90 2.88 0.72	7.19
26 05 33 23-0031	LF		8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	133.16 5.94 0.72	7.19
26 05 33 23-0032	EA		8" x 8", End Plate For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	21.64 0.51	5.70
26 05 33 23-0033	EA		8" x 8", Coupling For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	33.92 0.51	11.85
26 05 33 23-0034	EA		8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	88.17 2.00	24.04
26 05 33 23-0035	EA		8" x 8", Elbow For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	147.80 4.99	24.04
26 05 33 23-0036	EA		8" x 8", Tee For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	222.25 8.15	29.66
26 05 33 23-0037	EA		8" x 8", Cross For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	311.97 12.00	35.97
<b>26 05 33 23-0038</b>			<b>10" x 10", Wireway With Screw Cover</b> <small>(26 05 33 23-0002)</small>		
26 05 33 23-0039	LF		10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	105.03 4.42 0.84	8.34
26 05 33 23-0040	LF		10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	187.92 8.56 0.84	8.34
26 05 33 23-0041	EA		10" x 10", End Plate For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	30.73 0.88	6.58





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0042 EA 10" x 10", Coupling For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	43.89 0.88	13.16
26 05 33 23-0043 EA 10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	119.49 3.36	26.14
26 05 33 23-0044 EA 10" x 10", Elbow For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	237.78 9.27	26.14
26 05 33 23-0045 EA 10" x 10", Tee For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	361.70 14.79	32.99
26 05 33 23-0046 EA 10" x 10", Cross For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	519.07 22.23	37.29
<b>26 05 33 23-0047 12" x 12", Wireway With Screw Cover</b> <small>(26 05 33 23-0002)</small>		
26 05 33 23-0048 LF 12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	123.25 5.15 1.01	10.09
26 05 33 23-0049 LF 12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	206.55 9.32 1.01	10.09
26 05 33 23-0050 EA 12" x 12", End Plate For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	40.88 1.34	7.02
26 05 33 23-0051 EA 12" x 12", Coupling For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	54.93 1.34	14.03
26 05 33 23-0052 EA 12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	158.55 5.08	28.51
26 05 33 23-0053 EA 12" x 12", Elbow For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	315.20 12.91	28.51
26 05 33 23-0054 EA 12" x 12", Tee For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	407.02 16.84	35.09
26 05 33 23-0055 EA 12" x 12", Cross For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	668.72 29.49	39.48
<b>26 05 33 23-0056 Surface Metal Raceways</b> <small>(26 05 33 23-0001)</small>		
Note: Exposed on flat wall surface.		
<b>26 05 33 23-0057 One Piece Surface Metal Raceways</b> <small>(26 05 33 23-0056)</small>		
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
<b>26 05 33 23-0058 3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500)</b> <small>(26 05 33 23-0057)</small>		
Note: Available in ivory.		
26 05 33 23-0059 LF 3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500) ..... <i>For Concrete Or Masonry Surface, Add</i>	4.08 0.13	1.31
26 05 33 23-0060 EA Bushing (Wiremold #502) .....	3.86	1.76
26 05 33 23-0061 EA One Or Two Hole Strap (Wiremold #504) .....	3.90	1.76
26 05 33 23-0062 EA Connection Cover (Wiremold #506) .....	4.07	1.76
26 05 33 23-0063 EA Flat 90 Degree Elbow (Wiremold #511) .....	6.34	2.11
26 05 33 23-0064 EA Flat 45 Degree Elbow (Wiremold #512) .....	10.96	2.20
26 05 33 23-0065 EA Adjustable Internal Elbow (Wiremold #517) .....	7.92	2.63
26 05 33 23-0066 EA Adjustable External Elbow (Wiremold #518) .....	7.72	2.63
<b>26 05 33 23-0067 3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700)</b> <small>(26 05 33 23-0057)</small>		
Note: Available in ivory and white.		
26 05 33 23-0068 LF 3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700) ..... <i>For Concrete Or Masonry Surface, Add</i>	5.08 0.18	1.76
26 05 33 23-0069 EA Bushing (Wiremold #702) .....	3.95	1.76
26 05 33 23-0070 EA One Or Two Hole Strap (Wiremold #704) .....	4.09	1.76
26 05 33 23-0071 EA Connection Cover (Wiremold #706) .....	4.13	1.76
26 05 33 23-0072 EA Flat 90 Degree Elbow (Wiremold #711) .....	9.18	3.51
26 05 33 23-0073 EA Flat 45 Degree Elbow (Wiremold #712) .....	14.94	3.51
26 05 33 23-0074 EA Adjustable Internal Elbow (Wiremold #717) .....	9.97	3.51
26 05 33 23-0075 EA Adjustable External Elbow (Wiremold #718) .....	9.61	3.51
<b>26 05 33 23-0076 One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings)</b> <small>(26 05 33 23-0057)</small>		
Note: Available in ivory.		
26 05 33 23-0077 EA 18" Flex Fitting, For #500 Or 700 (Wiremold #5700F) .....	29.34	2.63
26 05 33 23-0078 EA Galvanized Coupling For #500 Or 700 (Wiremold #5701) .....	4.08	1.76
26 05 33 23-0079 EA Supporting Clip, For #500 Or 700 (Wiremold #5703) .....	4.08	1.76
26 05 33 23-0080 EA Ground Clamp (Wiremold #5709) .....	12.43	2.63
26 05 33 23-0081 EA Grounding Connector (Wiremold #5709GC) .....	10.40	2.63
26 05 33 23-0082 EA L Or R (Left Or Right) Twisted Internal Ell (Wiremold #5711) .....	11.67	3.51
26 05 33 23-0083 EA Tee (Wiremold #5715) .....	13.02	4.38
26 05 33 23-0084 EA 2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719) .....	23.66	3.51
26 05 33 23-0085 EA Utility Box For #500 Or #700 (Wiremold #57242) .....	18.01	3.51
26 05 33 23-0086 EA 2-3/8" Diameter, Blank Cover (Wiremold #5731) .....	9.60	2.20
26 05 33 23-0087 EA 3" Diameter, Outlet Box (Wiremold #5733) .....	22.50	3.51
26 05 33 23-0088 EA 4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735) .....	22.41	3.51
26 05 33 23-0089 EA 4-3/8" Blank Cover (Wiremold #5736) .....	10.22	2.20



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST  
DEMOLITION UNIT COST

26 05 33 23-0090	EA	4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737).....	20.29	3.51
26 05 33 23-0091	EA	5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A).....	19.55	3.51
26 05 33 23-0092	EA	4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738).....	19.72	3.51
26 05 33 23-0093	EA	5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A).....	19.72	3.51
26 05 33 23-0094	EA	5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF).....	22.41	3.51
26 05 33 23-0095	EA	6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739).....	22.13	3.51
26 05 33 23-0096	EA	6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A).....	23.68	3.51
26 05 33 23-0097	EA	Standard Switch Box For #500, Or #700 (Wiremold #57240).....	26.25	5.70
26 05 33 23-0098	EA	Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G).....	41.04	10.97
26 05 33 23-0099	EA	2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741).....	19.47	5.70
26 05 33 23-0100	EA	1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744).....	31.71	5.70
26 05 33 23-0101	EA	2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2).....	36.57	5.70
26 05 33 23-0102	EA	3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3).....	56.32	5.70
26 05 33 23-0103	EA	1 Gang, Signal Box (Wiremold #5744S).....	28.82	4.83
26 05 33 23-0104	EA	2 Gang, Signal Box (Wiremold #5744S-2).....	32.32	4.83
26 05 33 23-0105	EA	3 Gang, Signal Box (Wiremold #5744S-3).....	52.62	4.83
26 05 33 23-0106	EA	4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745).....	20.40	5.70
26 05 33 23-0107	EA	4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747).....	17.75	5.70
26 05 33 23-0108	EA	4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2).....	25.60	5.70
26 05 33 23-0109	EA	4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3).....	51.27	5.70
26 05 33 23-0110	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748).....	19.08	5.70
26 05 33 23-0111	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2).....	27.19	5.70
26 05 33 23-0112	EA	4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3).....	49.79	5.70
26 05 33 23-0113	EA	4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4).....	74.65	5.70
26 05 33 23-0114	EA	4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5).....	124.09	5.70
26 05 33 23-0115	EA	4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6).....	126.30	5.70
26 05 33 23-0116	EA	4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S).....	18.83	5.70
26 05 33 23-0117	EA	4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751).....	18.26	5.70
26 05 33 23-0118	EA	4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2).....	24.80	5.70
26 05 33 23-0119	EA	4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3).....	50.29	5.70
26 05 33 23-0120	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A).....	19.86	5.70
26 05 33 23-0121	EA	4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752).....	26.18	5.70
26 05 33 23-0122	EA	4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753).....	38.40	5.70
26 05 33 23-0123	EA	Blank Extension Box (Wiremold #5760).....	13.28	2.20
26 05 33 23-0124	EA	1/2" Special Nipple (Wiremold #5780).....	12.62	2.20
26 05 33 23-0125	EA	1/2" Box Connector (Wiremold #5781).....	8.19	2.20
26 05 33 23-0126	EA	3/4" Box Connector (Wiremold #5781A).....	15.88	2.63
26 05 33 23-0127	EA	1/2" Conduit Connector (Wiremold #5782).....	8.27	2.20
26 05 33 23-0128	EA	3/4" Conduit Connector (Wiremold #5782A).....	20.08	2.63
26 05 33 23-0129	EA	1/2" Elbow Conduit Connector (Wiremold #5784).....	17.91	2.63
26 05 33 23-0130	EA	Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785).....	9.64	2.63
26 05 33 23-0131	EA	Offset Connector (Wiremold #5786).....	16.58	2.63
26 05 33 23-0132	EA	Armor Cable Connector (Wiremold #5790B).....	8.40	2.20
26 05 33 23-0133	EA	1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791).....	7.49	1.76

### 26 05 33 23-0134 1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) <sup>(26 05)</sup>

<sup>33 23-0057</sup>

Note: Galvanized finish.

26 05 33 23-0135	LF	1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10).....	7.53	2.20
		<i>For Concrete Or Masonry Surface, Add</i>	0.22	
26 05 33 23-0136	EA	Wire Clip (Wiremold #1500WC).....	4.55	1.76
26 05 33 23-0137	EA	Bushing (Wiremold #1502).....	5.35	2.20
26 05 33 23-0138	EA	2-Hole Strap (Wiremold #1504).....	6.00	2.63
26 05 33 23-0139	EA	Flat Elbow (Wiremold #1511).....	23.88	8.34
26 05 33 23-0140	EA	Internal Elbow (Wiremold #1517).....	24.77	8.34
26 05 33 23-0141	EA	Adapter Fitting (Wiremold #1517B).....	26.85	8.34
26 05 33 23-0142	EA	External Elbow (Wiremold #1518).....	26.68	8.34
26 05 33 23-0143	EA	Utility Box (Wiremold #1528).....	24.74	5.70
26 05 33 23-0144	EA	Junction Box (Wiremold #1542D).....	25.58	5.70
26 05 33 23-0145	EA	Duplex Receptacle (Wiremold #1543GL).....	50.19	10.97
26 05 33 23-0146	EA	Single Receptacle Box (Wiremold #1546A).....	26.40	5.70
26 05 33 23-0147	EA	Duplex Receptacle Box (Wiremold #1546B).....	32.74	5.70
26 05 33 23-0148	EA	Telephone Box (Wiremold #1546T).....	32.08	5.70
26 05 33 23-0149	EA	Combination Connection (Wiremold #1585).....	15.55	2.63

### 26 05 33 23-0150 2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) <sup>(26 05)</sup>

<sup>33 23-0057</sup>

Note: Galvanized finish.

26 05 33 23-0151	LF	2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10).....	12.90	3.95
		<i>For Concrete Or Masonry Surface, Add</i>	0.40	
26 05 33 23-0152	EA	Wire Clip (Wiremold #2600WC).....	4.71	1.76
26 05 33 23-0153	EA	Fiber Bushing (Wiremold #2602).....	5.38	1.76
26 05 33 23-0154	EA	2-5/8", 90 Degree Flat Elbow (Wiremold #2611).....	21.08	3.07
26 05 33 23-0155	EA	5" Diameter, Junction Box (Wiremold #2642D).....	31.68	4.38
26 05 33 23-0156	EA	Service Fitting (Wiremold #2686FO).....	30.51	5.27



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0157	<b>Two Piece Surface Metal Raceways</b> <small>(26 05 33 23-0056)</small>	Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 05 33 23-0158	<b>1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000)</b> <small>(26 05 33 23-0157)</small>			
26 05 33 23-0159	LF 1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC) .....		7.35	2.20
	<i>For Concrete Or Masonry Surface, Add</i>		0.22	
26 05 33 23-0160	EA Wire Clip (Wiremold #2000WC) .....		3.40	1.76
26 05 33 23-0161	EA Coupling (Wiremold #2001) .....		8.85	2.20
26 05 33 23-0162	EA Supporting Clip (Wiremold #2003) .....		4.57	1.31
26 05 33 23-0163	EA Cover Clip (Wiremold #2006) .....		4.19	1.31
26 05 33 23-0164	EA Ground Clamp (Wiremold #2009) .....		11.46	2.20
26 05 33 23-0165	EA Entrance End Fitting (Wiremold #2010A2) .....		21.64	6.58
26 05 33 23-0166	EA Entrance End Fitting (Wiremold #2010A3) .....		38.19	8.77
26 05 33 23-0167	EA Blank End Fitting (Wiremold #2010B) .....		5.52	2.20
26 05 33 23-0168	EA Flat 90 Degree Elbow (Wiremold #2011) .....		18.59	5.70
26 05 33 23-0169	EA Tee (Wiremold #2015) .....		35.11	8.25
26 05 33 23-0170	EA Internal Corner Coupling (Wiremold #2017TC) .....		11.58	4.38
26 05 33 23-0171	EA Single Gang Device Box (Wiremold #2048) .....		28.50	7.80
26 05 33 23-0172	EA 2-Gang device Box (Wiremold #2048-2) .....		46.69	8.69
26 05 33 23-0173	EA Flush Plate Adapter (Wiremold #2051H) .....		30.79	8.69
26 05 33 23-0174	EA Side Reducing Connector (Wiremold #2089) .....		26.74	4.38
26 05 33 23-0175	EA #2089E End Reducing Connector .....		10.84	2.20
26 05 33 23-0176	<b>1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400)</b> <small>(26 05 33 23-0157)</small>	Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0177	LF 1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B) .....		6.13	2.20
	<i>For Concrete Or Masonry Surface, Add</i>		0.22	
26 05 33 23-0178	LF 1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD) .....		6.83	2.20
	<i>For Concrete Or Masonry Surface, Add</i>		0.22	
26 05 33 23-0179	LF Raceway Cover (Wiremold #2400C) .....		2.66	0.44
26 05 33 23-0180	EA Wire Clip (Wiremold #2400WC) .....		3.40	1.76
26 05 33 23-0181	EA Coupling (Wiremold #2401) .....		8.77	2.20
26 05 33 23-0182	EA Divided Raceway Coupling (Wiremold #2401D) .....		7.73	2.20
26 05 33 23-0183	EA Cover Clip (Wiremold #2406) .....		4.23	1.31
26 05 33 23-0184	EA Device Bracket Frame (Wiremold #2407-2CM) .....		33.11	6.58
26 05 33 23-0185	EA Device Bracket Frame (Wiremold #2407-2TJ) .....		31.58	6.58
26 05 33 23-0186	EA Ground Clamp (Wiremold #2409) .....		8.86	1.76
26 05 33 23-0187	EA End Fitting (Wiremold #2410A) .....		20.62	6.58
26 05 33 23-0188	EA Blank End (Wiremold #2410B) .....		5.59	2.20
26 05 33 23-0189	EA Divided Blank End Fitting (Wiremold #2410BD) .....		5.67	2.20
26 05 33 23-0190	EA Entrance End Fitting (Wiremold #2410C) .....		32.97	6.58
26 05 33 23-0191	EA Divided Entrance End Fitting (Wiremold #2410D) .....		31.49	6.58
26 05 33 23-0192	EA Divided Entrance End Fitting (Wiremold #2410DFO) .....		53.60	6.58
26 05 33 23-0193	EA Full Cap Entrance End Fitting (Wiremold #2410FC) .....		40.34	6.58
26 05 33 23-0194	EA Divided Flat 90 Degree Elbow (Wiremold #2411D) .....		23.49	6.58
26 05 33 23-0195	EA Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO) .....		39.51	6.58
26 05 33 23-0196	EA Radiused Flat 90 Degree Elbow (Wiremold #2411FO) .....		35.08	6.49
26 05 33 23-0197	EA Flat 90 Degree Elbow (Wiremold #2411M) .....		22.25	6.58
26 05 33 23-0198	EA Radiused Divided Tee (Wiremold #2415DFO) .....		42.64	6.49
26 05 33 23-0199	EA Radiused Tee (Wiremold #2415FO) .....		40.39	6.49
26 05 33 23-0200	EA Tee (Wiremold #2415M) .....		26.98	6.49
26 05 33 23-0201	EA Divided Internal Coupling (Wiremold #2417D) .....		21.99	6.49
26 05 33 23-0202	EA Radiused Divided Internal Coupling (Wiremold #2417DFO) .....		36.32	6.49
26 05 33 23-0203	EA Radiused Internal Coupling (Wiremold #2417FO) .....		35.15	6.49
26 05 33 23-0204	EA Internal Coupling (Wiremold #2417M) .....		21.21	6.49
26 05 33 23-0205	EA Radiused Divided External Coupling (Wiremold #2418DFO) .....		39.76	6.49
26 05 33 23-0206	EA Radiused External Coupling (Wiremold #2418FO) .....		39.07	6.49
26 05 33 23-0207	EA External Coupling (Wiremold #2418M) .....		26.47	6.49
26 05 33 23-0208	EA 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444) .....		36.28	5.70
26 05 33 23-0209	EA 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2) .....		40.58	5.70
26 05 33 23-0210	EA Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS) .....		40.80	5.70
26 05 33 23-0211	EA Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D) .....		38.99	5.70
26 05 33 23-0212	EA Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A) .....		56.18	5.70
26 05 33 23-0213	EA Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N) .....		49.11	5.70
26 05 33 23-0214	EA 4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448) .....		24.57	5.70
26 05 33 23-0215	EA 4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2) .....		39.63	5.70
26 05 33 23-0216	EA Device Bracket Type Adapter Plate (Wiremold #2450) .....		11.96	2.20
26 05 33 23-0217	EA 4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H) .....		27.67	6.58
26 05 33 23-0218	EA Bridge Fitting For 2400/700/500 (Wiremold #2475D) .....		88.81	6.58
26 05 33 23-0219	EA Side Reducing Connector (Wiremold #2489) .....		25.06	3.51
26 05 33 23-0220	<b>2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000)</b> <small>(26 05 33 23-0157)</small>	Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0221	LF 2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B) .....		11.83	3.95
	<i>For Concrete Or Masonry Surface, Add</i>		0.40	
26 05 33 23-0222	LF Raceway Cover (Wiremold #3000CE) .....		2.91	0.44
26 05 33 23-0223	EA Wire Clips For Conductors (Wiremold #3000WC) .....		4.56	1.76

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 23-0224	EA	Couplings (Wiremold #3001) .....	11.67	1.76
26 05 33 23-0225	EA	Rigid Inside Coupling (Wiremold #3001A) .....	11.92	2.20
26 05 33 23-0226	EA	Supporting Clip (Wiremold #3003) .....	8.67	2.20
26 05 33 23-0227	EA	Clip Cover (Wiremold #3006E) .....	4.87	1.76
26 05 33 23-0228	EA	Device Brackets (Wiremold #3007C) .....	12.83	3.51
26 05 33 23-0229	EA	C-Hanger (Wiremold #3008C) .....	12.95	2.63
26 05 33 23-0230	EA	Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE) .....	29.68	8.34
26 05 33 23-0231	EA	Blank End Fittings (Wiremold #3010B) .....	10.76	3.51
26 05 33 23-0232	EA	Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C) .....	33.06	8.34
26 05 33 23-0233	EA	Flat 90 Degree Elbow (Wiremold #3011E) .....	50.05	10.87
26 05 33 23-0234	EA	Wall Box Connector (Wiremold #3014C) .....	35.03	10.97
26 05 33 23-0235	EA	Tee Fitting (Wiremold #3015E) .....	69.09	13.59
26 05 33 23-0236	EA	Internal Corner Coupling (Wiremold #3017TCE) .....	32.26	8.34
26 05 33 23-0237	EA	External Corner (Wiremold #3018AE) .....	40.23	8.34
26 05 33 23-0238	EA	Single Receptacle Cover With Face Diameters Of 1.38"-1.4" (Wiremold #3027AE) .....	28.19	8.34
26 05 33 23-0239	EA	Utility Box (Wiremold #3028) .....	49.04	8.34
26 05 33 23-0240	EA	Single Receptacle Cover With Face Diameters Of 1.56"-1.57" (Wiremold #3033JE) .....	15.93	2.20
26 05 33 23-0241	EA	Blank Cover (Wiremold #3036HE) .....	17.47	2.20
26 05 33 23-0242	EA	Switch Cover (Wiremold #3040CE) .....	15.89	2.20
26 05 33 23-0243	EA	Duplex Receptacle Cover (Wiremold #3043BE) .....	19.87	2.63
26 05 33 23-0244	EA	15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE) .....	49.58	11.41
26 05 33 23-0245	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2) .....	55.44	8.34
26 05 33 23-0246	EA	Duplex Receptacle Cover (Wiremold #3046BE) .....	15.92	2.63
26 05 33 23-0247	EA	Tap Off Fitting (Wiremold #3046H-2) .....	19.73	2.20
26 05 33 23-0248	EA	1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD) .....	80.03	5.27
26 05 33 23-0249	EA	2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ) .....	200.21	5.27
26 05 33 23-0250	EA	1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU) .....	69.25	5.27
26 05 33 23-0251	EA	1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S) .....	75.22	5.27
26 05 33 23-0252	EA	1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U) .....	75.22	5.27
26 05 33 23-0253	EA	Rectangular Receptacle Cover (Wiremold #3048R) .....	23.31	2.63

**26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000)** (26 05 33 23-0157)

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0255	LF	4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10) .....	14.24	3.95
		<i>For Concrete Or Masonry Surface, Add</i> .....	0.43	
26 05 33 23-0256	LF	Raceway Cover (Wiremold #4000C) .....	5.08	0.44
26 05 33 23-0257	LF	Divider (Wiremold #4000D) .....	2.44	0.44
26 05 33 23-0258	EA	Wire Clips For Conductors (Wiremold #4000WC) .....	5.48	2.20
26 05 33 23-0259	EA	Couplings (Wiremold #4001A) .....	14.22	2.63
26 05 33 23-0260	EA	Divider Clip (Wiremold #4001D) .....	6.63	2.63
26 05 33 23-0261	EA	Seam Clip (Wiremold #4006) .....	6.75	2.63
26 05 33 23-0262	EA	Single Device Fitting (Wiremold #4007C-1R) .....	28.74	5.70
26 05 33 23-0263	EA	Blank End Fittings (Wiremold #4010B) .....	15.17	3.51
26 05 33 23-0264	EA	Entrance End Fitting (Wiremold #4010DFO) .....	58.26	13.51
26 05 33 23-0265	EA	Flat 90 Degree Elbow (Wiremold #4011) .....	54.32	10.97
26 05 33 23-0266	EA	Radiused Flat 90 Degree Elbow (Wiremold #4011FO) .....	64.37	10.97
26 05 33 23-0267	EA	Internal Or External 45 Degree Elbow (Wiremold #4012TX) .....	59.00	13.59
26 05 33 23-0268	EA	Wall Box Connector (Wiremold #4014A) .....	79.09	13.59
26 05 33 23-0269	EA	Tee Fitting (Wiremold #4015) .....	87.91	13.59
26 05 33 23-0270	EA	Divided Tee Fitting (Wiremold #4015D) .....	91.46	13.59
26 05 33 23-0271	EA	Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO) .....	109.49	13.59
26 05 33 23-0272	EA	Radiused Tee Fitting (Wiremold #4015FO) .....	109.83	13.59
26 05 33 23-0273	EA	Internal Elbow (Wiremold #4017) .....	47.68	13.59
26 05 33 23-0274	EA	Internal Elbow (Wiremold #4017FO) .....	86.35	13.59
26 05 33 23-0275	EA	Inverted Internal Elbow (Wiremold #4017N) .....	53.00	13.59
26 05 33 23-0276	EA	Internal Corner Coupling (Wiremold #4017TCA) .....	44.87	13.59
26 05 33 23-0277	EA	External Elbow (Wiremold #4018) .....	71.84	13.59
26 05 33 23-0278	EA	Radiused External Elbow (Wiremold #4018FO) .....	83.59	13.59
26 05 33 23-0279	EA	Single Locking Receptacle And Two RJ11/45 Modulaular Connectors Outlet Cover (Wiremold #4046ARJ) .....	71.32	5.70
26 05 33 23-0280	EA	Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2) .....	75.66	5.70
26 05 33 23-0281	EA	Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ) .....	75.66	5.70
26 05 33 23-0282	EA	Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2) .....	101.37	5.70
26 05 33 23-0283	EA	Tap-Off Fitting (Wiremold #4046H-2) .....	20.79	5.70
26 05 33 23-0284	EA	Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ) .....	65.18	2.63
26 05 33 23-0285	EA	Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ) .....	77.46	5.70
26 05 33 23-0286	EA	1 Gang Device Plate (Wiremold #G4047C-1) .....	20.76	5.70
26 05 33 23-0287	EA	2 Gang Device Plate (Wiremold #G4047C-2) .....	24.31	5.70
26 05 33 23-0288	EA	Device Mounting Bracket (Wiremold #4050) .....	23.61	4.38
26 05 33 23-0289	EA	#4000 To #3000 Take-off Connector (Wiremold #4074A) .....	111.19	13.59
26 05 33 23-0290	EA	Bridge Fitting (Wiremold #4075D) .....	100.05	13.59
26 05 33 23-0291	EA	Bridge Fitting (Wiremold #4075DA) .....	100.05	13.59
26 05 33 23-0292	EA	Panel Connector (Wiremold #4086A) .....	78.86	25.88
26 05 33 23-0293	EA	Reducing Connector Fitting (Wiremold #4089) .....	48.79	13.59

**26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000)** (26 05 33 23-0157)

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0295	LF	4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10) .....	21.43	4.83
		<i>For Concrete Or Masonry Surface, Add</i> .....	0.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0296 LF Raceway Cover (Wiremold #6000C) .....	6.23	1.31
26 05 33 23-0297 LF Divider (Wiremold #6000DA) .....	6.61	1.31
26 05 33 23-0298 EA Wire Clips For Conductors (Wiremold #6000WC) .....	6.53	2.20
26 05 33 23-0299 EA Couplings (Wiremold #6001A) .....	17.67	4.38
26 05 33 23-0300 EA Divider Clip (Wiremold #6001D) .....	8.23	2.20
26 05 33 23-0301 EA Converter Coupling (Wiremold #6001TX) .....	22.88	5.70
26 05 33 23-0302 EA Connection Cover (Wiremold #6006) .....	21.66	5.70
26 05 33 23-0303 EA Single Gang Device Plate (Wiremold #6007C-1) .....	22.77	5.70
26 05 33 23-0304 EA Two Gang Device Plate (Wiremold #6007C-2) .....	25.04	5.70
26 05 33 23-0305 EA C-Hanger (Wiremold #6008A) .....	36.37	8.34
26 05 33 23-0306 EA Blank End Fittings (Wiremold #6010B) .....	38.37	13.16
26 05 33 23-0307 EA Combination Flat Elbow (Wiremold #6011TX) .....	74.40	13.16
26 05 33 23-0308 EA Internal-External 45 Degree Elbow (Wiremold #6012TX) .....	75.81	12.63
26 05 33 23-0309 EA Connector Fitting (Wiremold #6014A) .....	109.09	13.59
26 05 33 23-0310 EA Combination Internal-External Elbow (Wiremold #6017TX) .....	76.82	14.92
26 05 33 23-0311 EA Circuit Breaker Housing (Wiremold #6046KD) .....	136.09	14.92
26 05 33 23-0312 EA #6000 To #6000 Take-off Connector (Wiremold #6074) .....	131.58	13.16
26 05 33 23-0313 EA #6000 To #4000 Take-off Connector (Wiremold #6074A) .....	142.58	13.16
26 05 33 23-0314 EA Panel Connector (Wiremold #6086) .....	81.79	30.53
<b>26 05 33 23-0315</b>	<b>Two Piece Surface Aluminum Raceways (26 05 33 23-0056)</b>	
	Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).	
<b>26 05 33 23-0316</b>	<b>1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) (26 05 33 23-0315)</b>	
26 05 33 23-0317 LF 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B) .....	9.45	2.20
	<i>For Concrete Or Masonry Surface, Add</i>	<i>0.22</i>
26 05 33 23-0318 LF Aluminum Raceway Cover (Wiremold #AL2000C) .....	4.89	0.44
26 05 33 23-0319 EA Wire Clip (Wiremold #AL2000WC) .....	4.52	1.76
26 05 33 23-0320 EA Coupling (Wiremold #AL2001) .....	9.68	2.20
26 05 33 23-0321 EA Supporting Clip (Wiremold #AL2003) .....	4.91	1.31
26 05 33 23-0322 EA Cover Clip (Wiremold #AL2006) .....	6.33	1.31
26 05 33 23-0323 EA Ground Clamp (Wiremold #AL2009) .....	8.97	2.20
26 05 33 23-0324 EA Entrance End Fitting (Wiremold #AL2010A) .....	24.95	6.58
26 05 33 23-0325 EA Blank End Fitting (Wiremold #AL2010B) .....	8.05	2.20
26 05 33 23-0326 EA Flat 90 Degree Elbow (Wiremold #AL2011) .....	29.46	5.70
26 05 33 23-0327 EA Tee (Wiremold #AL2015) .....	39.79	8.25
26 05 33 23-0328 EA Internal Corner Elbow (Wiremold #AL2017) .....	26.89	4.38
26 05 33 23-0329 EA External Corner Elbow (Wiremold #AL2018) .....	26.83	4.38
26 05 33 23-0330 EA 2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043) .....	43.43	8.69
26 05 33 23-0331 EA 4-13/16" Round Fixture Box (Wiremold #AL2038) .....	104.01	7.80
26 05 33 23-0332 EA 4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044) .....	45.04	7.80
26 05 33 23-0333 EA 4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2) .....	95.37	8.69
26 05 33 23-0334 EA Single Gang Shallow Device Box (Wiremold #AL2047) .....	46.72	7.80
26 05 33 23-0335 EA 2-Gang Shallow Device Box (Wiremold #AL2047-2) .....	84.03	8.69
26 05 33 23-0336 EA Flush Plate Adapter (Wiremold #AL2051H) .....	34.63	8.69
<b>26 05 33 23-0337</b>	<b>2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) (26 05 33 23-0315)</b>	
26 05 33 23-0338 LF 2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B) .....	10.81	2.20
	<i>For Concrete Or Masonry Surface, Add</i>	<i>0.22</i>
26 05 33 23-0339 LF Aluminum Raceway Cover (Wiremold #AL2400C) .....	5.14	0.44
26 05 33 23-0340 EA Wire Clip (Wiremold #AL2400WC) .....	6.39	1.76
26 05 33 23-0341 EA Coupling (Wiremold #AL2401) .....	11.46	2.20
26 05 33 23-0342 EA Cover Clip (Wiremold #AL2406) .....	8.45	1.31
26 05 33 23-0343 EA Ground Clamp (Wiremold #AL2409) .....	7.38	1.76
26 05 33 23-0344 EA Blank End (Wiremold #AL2410B) .....	9.07	2.20
26 05 33 23-0345 EA End Fitting (Wiremold #AL2410B2) .....	18.85	6.58
26 05 33 23-0346 EA Flat 90 Degree Elbow (Wiremold #AL2411) .....	36.16	6.58
26 05 33 23-0347 EA Tee (Wiremold #AL2415) .....	39.65	6.49
26 05 33 23-0348 EA Fourway Fitting (Wiremold #AL2416) .....	46.94	6.49
26 05 33 23-0349 EA Internal Coupling (Wiremold #AL2417) .....	36.04	6.49
26 05 33 23-0350 EA External Coupling (Wiremold #AL2418) .....	38.97	6.49
26 05 33 23-0351 EA 4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H) .....	32.03	6.58
<b>26 05 33 23-0352</b>	<b>2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) (26 05 33 23-0315)</b>	
26 05 33 23-0353 LF 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B) .....	18.01	3.95
	<i>For Concrete Or Masonry Surface, Add</i>	<i>0.40</i>
26 05 33 23-0354 LF Aluminum Raceway Cover (Wiremold #AL3300CE) .....	5.46	0.44
26 05 33 23-0355 LF Raceway Divider (Wiremold #AL3300D) .....	4.49	3.95
26 05 33 23-0356 EA Wire Clips For Conductors (Wiremold #AL3300WC) .....	8.67	1.76
26 05 33 23-0357 EA Couplings (Wiremold #AL3301) .....	15.43	1.76
26 05 33 23-0358 EA Divider Coupling (Wiremold #AL3301D) .....	13.08	2.20
26 05 33 23-0359 EA Ground Clamp (Wiremold #AL3309) .....	8.73	1.76
26 05 33 23-0360 EA Blank End Fittings (Wiremold #AL3310B) .....	18.20	3.51
26 05 33 23-0361 EA End Fitting (Wiremold #AL3310B1) .....	28.98	8.34

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0362	EA		Flat 90 Degree Elbow (Wiremold #AL3311)..... Note: Includes two (2) AL3301 couplings.	91.36	10.87
26 05 33 23-0363	EA		Tee Fitting (Wiremold #AL3315)..... Note: Includes three (3) AL3301 couplings.	104.55	13.59
26 05 33 23-0364	EA		Cross Fitting (Wiremold #AL3316)..... Note: Includes four (4) AL3301 couplings.	118.64	13.59
26 05 33 23-0365	EA		Internal Elbow (Wiremold #AL3317)..... Note: Includes two (2) AL3301 couplings.	86.02	8.34
26 05 33 23-0366	EA		External Elbow (Wiremold #AL3318)..... Note: Includes two (2) AL3301 couplings.	86.11	8.34
26 05 33 23-0367	EA		Duplex Receptacle Cover (Wiremold #AL3346D).....	18.92	2.63
26 05 33 23-0368	EA		Single Receptacle Cover (Wiremold #AL3346E).....	18.79	2.63
26 05 33 23-0369	EA		GFCI/Surge Receptacle Cover (Wiremold #AL3346G).....	18.59	2.63
26 05 33 23-0370	EA		Single Device Cover Plate (Wiremold #AL3356R).....	18.69	2.20
<b>26 05 33 23-0371</b>			<b>5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200)</b> <small>(26 05 33 23-0315)</small>		
26 05 33 23-0372	LF		5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10)..... <i>For Concrete Or Masonry Surface, Add</i>	24.06 0.43	3.95
26 05 33 23-0373	LF		Aluminum Raceway Cover (Wiremold #AL5200C).....	10.33	0.44
26 05 33 23-0374	LF		Divider (Wiremold #AL5200D).....	5.98	0.44
26 05 33 23-0375	EA		Wire Clips For Conductors (Wiremold #AL5200WC).....	8.00	2.20
26 05 33 23-0376	EA		Wire Clips For Conductors (Wiremold #AL5200WC2).....	6.61	2.20
26 05 33 23-0377	EA		Wire Clips For Conductors (Wiremold #AL5200WC3).....	6.56	2.20
26 05 33 23-0378	EA		Couplings (Wiremold #AL5201).....	14.98	2.63
26 05 33 23-0379	EA		Cover Clip (Wiremold #AL5206).....	13.70	2.63
26 05 33 23-0380	EA		Ground Adapter (Wiremold #AL5209).....	16.73	2.63
26 05 33 23-0381	EA		Blank End Fittings (Wiremold #AL5210B).....	17.97	3.51
26 05 33 23-0382	EA		Blank End Fittings (Wiremold #AL5210B1).....	19.41	3.51
26 05 33 23-0383	EA		Blank End Fittings (Wiremold #AL5210B2).....	19.73	3.51
26 05 33 23-0384	EA		Blank End Fittings (Wiremold #AL5210B3).....	19.08	3.51
26 05 33 23-0385	EA		Flat 90 Degree Elbow (Wiremold #AL5211)..... Note: Includes two (2) pairs of AL5201 couplings.	103.19	10.97
26 05 33 23-0386	EA		Wall Box Connector (Wiremold #AL5214).....	78.77	13.59
26 05 33 23-0387	EA		Tee Fitting (Wiremold #AL5215)..... Note: Includes three (3) pairs of AL5201 couplings.	120.39	13.59
26 05 33 23-0388	EA		Four Way Fitting (Wiremold #AL5216)..... Note: Includes four (4) pairs of AL5201 couplings.	132.71	13.59
26 05 33 23-0389	EA		Internal Elbow (Wiremold #AL5217)..... Note: Includes two (2) pairs of AL5201 couplings.	106.06	13.59
26 05 33 23-0390	EA		Internal Corner Coupling (Wiremold #AL5217A).....	41.22	13.59
26 05 33 23-0391	EA		Inverted Internal Elbow (Wiremold #AL5217N).....	109.19	13.59
26 05 33 23-0392	EA		External Elbow (Wiremold #AL5218)..... Note: Includes two (2) pairs of AL5201 couplings.	107.03	13.59
26 05 33 23-0393	EA		Blank Device Cover Plate (Wiremold #AL5246B).....	23.09	2.63
26 05 33 23-0394	EA		Receptacle Device Cover Plate (Wiremold #AL5246D).....	27.59	2.63
26 05 33 23-0395	EA		Double Receptacle Device Cover Plate (Wiremold #AL5246DD).....	32.98	2.63
26 05 33 23-0396	EA		Device Cover Plate (Wiremold #AL5246F).....	30.86	2.63
26 05 33 23-0397	EA		Device Cover Plate (Wiremold #AL5246G).....	28.39	2.63
26 05 33 23-0398	EA		Offset Divider (Wiremold #AL5260).....	25.67	5.70
<b>26 05 33 23-0399</b>			<b>3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800)</b> <small>(26 05 33 23-0315)</small>		
26 05 33 23-0400	LF		Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10).....	19.14	3.95
26 05 33 23-0401	EA		Cover Clip (Wiremold #ALA3806).....	9.10	2.63
26 05 33 23-0402	EA		Blank End Fittings (Wiremold #ALA3810B).....	16.05	3.51
26 05 33 23-0403	EA		Entrance End Cap Fittings (Wiremold #ALA3810B1).....	17.27	3.51
26 05 33 23-0404	EA		Flat 90 Degree Elbow (Wiremold #ALA3811)..... Note: Includes two (2) ALA01 couplings.	89.08	10.97
26 05 33 23-0405	EA		Flat Tee Fitting (Wiremold #ALA3815)..... Note: Includes three (3) ALA01 couplings.	91.72	13.59
26 05 33 23-0406	EA		Internal Elbow (Wiremold #ALA3817)..... Note: Includes two (2) ALA01 couplings.	89.40	13.59
26 05 33 23-0407	EA		Inverted Internal Elbow (Wiremold #ALA3817N)..... Note: Includes two (2) ALA01 couplings.	105.44	13.59
26 05 33 23-0408	EA		External Elbow (Wiremold #ALA3818)..... Note: Includes two (2) ALA01 couplings.	90.59	13.59
<b>26 05 33 23-0409</b>			<b>6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800)</b> <small>(26 05 33 23-0315)</small>		
26 05 33 23-0410	LF		Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10).....	32.99	3.95
26 05 33 23-0411	EA		Cover Clip (Wiremold #ALA4806).....	13.97	2.63
26 05 33 23-0412	EA		Blank End Fittings (Wiremold #ALA4810B).....	18.27	3.51
26 05 33 23-0413	EA		Entrance End Cap Fittings (Wiremold #ALA4810B2).....	20.49	3.51
26 05 33 23-0414	EA		Flat 90 Degree Elbow (Wiremold #ALA4811)..... Note: Includes four (4) ALA01 couplings.	123.53	10.97
26 05 33 23-0415	EA		Flat Tee Fitting (Wiremold #ALA4815)..... Note: Includes six (6) ALA01 couplings.	169.63	13.59
26 05 33 23-0416	EA		Internal Elbow (Wiremold #ALA4817)..... Note: Includes four (4) ALA01 couplings.	112.84	13.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0417 EA Inverted Internal Elbow (Wiremold #ALA4817N) ..... Note: Includes four (4) ALA01 couplings.	133.76	13.59
26 05 33 23-0418 EA External Elbow (Wiremold #ALA4818) ..... Note: Includes four (4) ALA01 couplings.	118.73	13.59
<b>26 05 33 23-0419 Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800)</b> <small>(26 05 33 23-0315)</small> See CSI section 26 27 26 00-0010 for receptacles.		
26 05 33 23-0420 LF 3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5) ..... Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.	7.13	0.44
26 05 33 23-0421 EA Wire Clips (Wiremold #ALAWC) .....	6.22	2.20
26 05 33 23-0422 EA Slide Couplings (Wiremold #ALA01) .....	15.34	2.63
26 05 33 23-0423 EA Grounding Adapter (Wiremold #ALA09) .....	12.88	2.63
26 05 33 23-0424 EA Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11RI) .....	34.94	10.97
26 05 33 23-0425 EA Internal Corner Coupling (Wiremold #ALA17A) .....	41.50	13.59
26 05 33 23-0426 EA Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18RI) .....	39.36	10.97
26 05 33 23-0427 EA Blank Cover Plate (Wiremold #ALA-BL) .....	17.17	2.63
26 05 33 23-0428 EA Duplex Receptacle Cover Plate (Wiremold #ALA-DR) .....	18.38	2.63
26 05 33 23-0429 EA Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E) .....	19.18	2.63
26 05 33 23-0430 EA Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F) .....	20.26	2.63
26 05 33 23-0431 EA GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G) .....	18.54	2.63
26 05 33 23-0432 EA Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J) .....	19.19	2.63
26 05 33 23-0433 EA Toggle Switch Cover Plate (Wiremold #ALA-N) .....	19.72	2.63
26 05 33 23-0434 EA Active LPB Cover Plate (Wiremold #ALA-LPB) .....	25.58	2.63
26 05 33 23-0435 EA Active MAB Cover Plate (Wiremold #ALA-MAB) .....	23.98	2.63
26 05 33 23-0436 EA Ortronics Cover Plate (Wiremold #ALA-MABRT) .....	27.80	2.63
26 05 33 23-0437 EA 1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG) .....	19.31	2.63
26 05 33 23-0438 EA Active 2A Cover Plate (Wiremold #ALA-2A) .....	26.82	2.63
26 05 33 23-0439 EA Ortronics Communications Cover Plate (Wiremold #ALA-ABRT) .....	24.45	2.63
26 05 33 23-0440 EA 3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z) .....	19.67	2.63
26 05 33 23-0441 EA Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2) .....	24.68	2.63
<b>26 05 33 23-0442 Surface Non-Metallic Raceways</b> <small>(26 05 33 23-0001)</small> Note: Exposed on flat wall surface.		
<b>26 05 33 23-0443 One Piece Surface Non-Metallic Raceways</b> <small>(26 05 33 23-0442)</small> Note: Exposed on flat wall surface. (Wiremold or approved equal).		
<b>26 05 33 23-0444 7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0445 LF 7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC) ..... <i>For Concrete Or Masonry Surface, Add</i>	5.94 0.18	1.76
26 05 33 23-0446 EA Wire Clip (Wiremold #400WC) .....	4.02	1.76
26 05 33 23-0447 EA Cover Clip (Wiremold #406) .....	4.35	1.76
26 05 33 23-0448 EA Blank End Clip (Wiremold #410B) .....	8.22	3.51
26 05 33 23-0449 EA Flat 90 Degree Elbow (Wiremold #411) .....	10.23	3.51
26 05 33 23-0450 EA Tee (Wiremold #415) .....	12.90	4.38
26 05 33 23-0451 EA Internal Elbow (Wiremold #417) .....	9.97	3.51
26 05 33 23-0452 EA External Elbow (Wiremold #418) .....	9.97	3.51
<b>26 05 33 23-0453 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0454 LF 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC) ..... <i>For Concrete Or Masonry Surface, Add</i>	6.30 0.18	1.76
26 05 33 23-0455 EA Wire Clip (Wiremold #800WC) .....	3.97	1.76
26 05 33 23-0456 EA Cover Clip (Wiremold #806) .....	4.08	1.76
26 05 33 23-0457 EA Entrance End Fitting (Wiremold #810A2) .....	13.22	3.51
26 05 33 23-0458 EA Blank End Fitting (Wiremold #810B) .....	8.02	3.51
26 05 33 23-0459 EA Flat 90 Degree Elbow (Wiremold #811) .....	9.53	3.51
26 05 33 23-0460 EA Tee (Wiremold #815) .....	11.97	4.38
26 05 33 23-0461 EA Internal Elbow (Wiremold #817) .....	9.31	3.51
26 05 33 23-0462 EA External Elbow (Wiremold #818) .....	9.31	3.51
26 05 33 23-0463 EA End Reducer, #800 To #400 (Wiremold #889A) .....	10.73	3.51
<b>26 05 33 23-0464 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0465 LF 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC) ..... <i>For Concrete Or Masonry Surface, Add</i>	7.31 0.18	1.76
26 05 33 23-0466 LF 2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD) ..... <i>For Concrete Or Masonry Surface, Add</i>	7.83 0.18	1.76
26 05 33 23-0467 EA Wire Clip (Wiremold #2300WC) .....	4.19	1.76
26 05 33 23-0468 EA Cover Clip (Wiremold #2306) .....	4.46	1.76
26 05 33 23-0469 EA Entrance End Fitting (Wiremold #2310A) .....	14.36	3.51
26 05 33 23-0470 EA Blank End Fitting (Wiremold #2310B) .....	8.51	3.51
26 05 33 23-0471 EA Divided Entrance End Fitting (Wiremold #2310DFO) .....	16.35	3.51
26 05 33 23-0472 EA Flat 90 Degree Elbow (Wiremold #2311) .....	9.68	3.51
26 05 33 23-0473 EA Divided Flat 90 Degree Elbow (Wiremold #2311DFO) .....	10.53	3.51
26 05 33 23-0474 EA Tee (Wiremold #2315) .....	12.03	4.38

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0475	EA		Internal Elbow (Wiremold #2317).....	9.68	3.51
26 05 33 23-0476	EA		Divided Internal Elbow (Wiremold #2317DFO) .....	10.54	3.51
26 05 33 23-0477	EA		External Elbow (Wiremold #2318).....	9.71	3.51
26 05 33 23-0478	EA		Divided External Elbow (Wiremold #2318DFO).....	10.69	3.51
26 05 33 23-0479	EA		End Reducer, #2300 To #400 (Wiremold #2389).....	10.71	3.51
26 05 33 23-0480	EA		End Reducer, #2300 To #800 (Wiremold #2389A).....	11.25	3.51
<b>26 05 33 23-0481</b>			<b>One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0482	EA		Blank Cover, 4-1/2" Diameter (Wiremold #2336).....	12.30	3.07
26 05 33 23-0483	EA		Extension Box, 5-1/2" Diameter (Wiremold #2337A) .....	20.88	3.51
26 05 33 23-0484	EA		-A Fixture Box, 5-1/2" Diameter (Wiremold #233).....	21.01	3.51
26 05 33 23-0485	EA		Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344).....	18.80	3.51
26 05 33 23-0486	EA		Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2).....	22.05	3.51
26 05 33 23-0487	EA		Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D).....	20.63	3.51
26 05 33 23-0488	EA		Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A).....	22.55	3.51
26 05 33 23-0489	EA		1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347).....	17.75	5.70
26 05 33 23-0490	EA		2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2).....	20.60	5.70
26 05 33 23-0491	EA		1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348).....	18.58	5.70
26 05 33 23-0492	EA		2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2).....	22.89	5.70
26 05 33 23-0493	EA		3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3).....	27.89	5.70
26 05 33 23-0494	EA		1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP).....	26.30	5.70
26 05 33 23-0495	EA		1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D).....	23.57	5.70
26 05 33 23-0496	EA		Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51).....	17.32	5.70
<b>26 05 33 23-0497</b>			<b>3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0498	LF		3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700).....	5.14	1.76
			<i>For Concrete Or Masonry Surface, Add</i>	0.18	
26 05 33 23-0499	EA		3/4" Wire Clip (Wiremold #2700WC).....	2.11	0.87
26 05 33 23-0500	EA		Cover Clip (Wiremold #2706).....	3.49	0.87
26 05 33 23-0501	EA		Blank End (Wiremold #2710B).....	5.22	1.76
26 05 33 23-0502	EA		Flat 90 Degree Elbow (Wiremold #2711).....	6.14	2.20
26 05 33 23-0503	EA		Tee (Wiremold #2715).....	9.67	3.95
26 05 33 23-0504	EA		Internal Elbow (Wiremold #2717).....	7.03	2.63
26 05 33 23-0505	EA		External Elbow (Wiremold #2718).....	7.01	2.63
26 05 33 23-0506	EA		Drop Ceiling Connector (Wiremold #2786).....	8.30	3.07
<b>26 05 33 23-0507</b>			<b>1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0508	LF		1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800).....	6.43	2.20
			<i>For Concrete Or Masonry Surface, Add</i>	0.22	
26 05 33 23-0509	EA		1" Wire Clip (Wiremold #2800WC).....	3.07	1.31
26 05 33 23-0510	EA		Cover Clip (Wiremold #2806).....	4.29	1.31
26 05 33 23-0511	EA		Blank End (Wiremold #2810B).....	6.04	2.20
26 05 33 23-0512	EA		Flat 90 Degree Elbow (Wiremold #2811).....	7.88	3.07
26 05 33 23-0513	EA		Radiused Flat 90 Degree Elbow (Wiremold #2811FO).....	8.47	3.07
26 05 33 23-0514	EA		Tee (Wiremold #2815).....	11.39	4.83
26 05 33 23-0515	EA		Internal Elbow (Wiremold #2817).....	8.73	3.51
26 05 33 23-0516	EA		External Elbow (Wiremold #2818).....	8.76	3.51
26 05 33 23-0517	EA		Radiused Tee (Wiremold #2815FO).....	12.19	4.83
26 05 33 23-0518	EA		Radiused Internal Elbow (Wiremold #2817FO).....	9.46	3.51
26 05 33 23-0519	EA		Radiused External Elbow (Wiremold #2818FO).....	9.35	3.51
26 05 33 23-0520	EA		Drop Ceiling Connector (Wiremold #2886).....	9.86	3.95
26 05 33 23-0521	EA		Reducer, #2800 To #2700 (Wiremold #2889).....	8.90	3.51
<b>26 05 33 23-0522</b>			<b>1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0523	LF		1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900).....	7.94	2.63
			<i>For Concrete Or Masonry Surface, Add</i>	0.26	
26 05 33 23-0524	EA		1-1/2" Wire Clip (Wiremold #2900WC).....	4.07	1.76
26 05 33 23-0525	EA		Cover Clip (Wiremold #2906).....	5.36	1.76
26 05 33 23-0526	EA		Blank End (Wiremold #2910B).....	7.12	2.63
26 05 33 23-0527	EA		Flat 90 Degree Elbow (Wiremold #2911).....	8.88	3.51
26 05 33 23-0528	EA		Radiused Flat 90 Degree Elbow (Wiremold #2911FO).....	9.86	3.51
26 05 33 23-0529	EA		Tee (Wiremold #2915).....	12.38	5.27
26 05 33 23-0530	EA		Radiused Tee (Wiremold #2915FO).....	13.39	5.27
26 05 33 23-0531	EA		Internal Elbow (Wiremold #2917).....	9.76	3.95
26 05 33 23-0532	EA		Radiused Internal Elbow (Wiremold #2917FO).....	10.78	3.95
26 05 33 23-0533	EA		External Elbow (Wiremold #2918).....	9.75	3.95
26 05 33 23-0534	EA		Radiused External Elbow (Wiremold #2918FO).....	11.06	3.95
26 05 33 23-0535	EA		Drop Ceiling Connector (Wiremold #2986).....	9.92	3.95
26 05 33 23-0536	EA		Reducer, #2900 To #2800 (Wiremold #2989).....	11.02	4.38
26 05 33 23-0537	EA		Reducer, #2900 To #2700 (Wiremold #2989A).....	10.69	4.38
<b>26 05 33 23-0538</b>			<b>Two Piece Surface Non-Metallic Raceways</b> <small>(26 05 33 23-0442)</small>		
			Note: Exposed on flat wall surface. (Wiremold or approved equal).		





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	23-0539		<b>5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500)</b> <small>(26 05 33 23-0539)</small>		
26 05 33	23-0540	LF	5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B).....	12.68	3.95
			<i>For Concrete Or Masonry Surface, Add</i>	0.40	
26 05 33	23-0541	LF	Black, Gray Or White, Cover (Wiremold #5000C).....	11.95	3.95
26 05 33	23-0542	LF	Oak Veneer, Cover (Wiremold #5000COA).....	24.33	3.95
26 05 33	23-0543	LF	Maple Wood Veneer, Cover (Wiremold #5000CW).....	19.44	3.95
26 05 33	23-0544	LF	Black, Gray Or White, Quarter Round Trim (Wiremold #5000T).....	1.75	0.44
26 05 33	23-0545	LF	Oak Veneer, Quarter Round Trim (Wiremold #5000TOA).....	7.96	0.44
26 05 33	23-0546	LF	Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW).....	4.85	0.44
26 05 33	23-0547	EA	Base Coupling (Wiremold #5001).....	11.29	4.38
26 05 33	23-0548	EA	Blank/Coax Adapter (Wiremold #5004).....	6.47	2.20
26 05 33	23-0549	EA	Low Voltage Blank Plate (Wiremold #5005).....	8.81	2.63
26 05 33	23-0550	EA	Cover Clip (Wiremold #5006).....	12.32	4.38
26 05 33	23-0551	EA	Internal Wire Guard (Wiremold #5006A).....	11.38	4.38
26 05 33	23-0552	EA	Device Bracket (Wiremold #5007C).....	13.32	4.38
26 05 33	23-0553	EA	Device Plate (Wiremold #5007C-1).....	23.70	8.77
26 05 33	23-0554	EA	Deep Device Plate (Wiremold #5007C-2).....	24.70	8.77
26 05 33	23-0555	EA	Right Or Left End Cap (Wiremold #5010).....	20.25	8.34
26 05 33	23-0556	EA	Entrance End Feed (Wiremold #5010A).....	40.75	13.59
26 05 33	23-0557	EA	Internal Base Elbow (Wiremold #5017B).....	27.45	10.97
26 05 33	23-0558	EA	Internal Cover Elbow (Wiremold #5017C).....	25.36	8.77
26 05 33	23-0559	EA	Internal Elbow Wire Guard (Wiremold #5017WG).....	17.07	6.58
26 05 33	23-0560	EA	External Base Elbow (Wiremold #5018B).....	27.39	10.97
26 05 33	23-0561	EA	External Cover Elbow (Wiremold #5018C).....	25.63	8.77
26 05 33	23-0562	EA	External Elbow Wire Guard (Wiremold #5018WG).....	11.11	4.38
26 05 33	23-0563		<b>5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400)</b> <small>(26 05 33 23-0539)</small>		
26 05 33	23-0564	LF	5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB).....	13.53	3.95
			<i>For Concrete Or Masonry Surface, Add</i>	0.40	
26 05 33	23-0565	LF	Full Width Cover (Wiremold #5400C).....	5.00	0.44
26 05 33	23-0566	LF	Twin Snap Cover (Wiremold #5400TC).....	3.16	0.44
26 05 33	23-0567	EA	Twin Snap Cover Wire Clips (Wiremold #5400TWC).....	4.98	2.20
26 05 33	23-0568	EA	Cover Clip (Wiremold #5406A).....	8.77	2.63
26 05 33	23-0569	EA	Twin Cover Clip (Wiremold #5406T).....	7.25	2.63
26 05 33	23-0570	EA	Base Seam Clip (Wiremold #5406TB).....	6.40	2.63
26 05 33	23-0571	EA	L Or R (Left Or Right) Transition Fitting (Wiremold #5408).....	50.41	13.59
26 05 33	23-0572	EA	End Cap (Wiremold #5410).....	24.09	8.34
26 05 33	23-0573	EA	Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO).....	48.24	13.59
26 05 33	23-0574	EA	Radiused Flat 90 Degree Elbow (Wiremold #5411FO).....	44.44	10.97
26 05 33	23-0575	EA	Tee Fitting (Wiremold #5415).....	50.95	13.59
26 05 33	23-0576	EA	Radiused Tee Fitting (Wiremold #5415FO).....	53.56	13.59
26 05 33	23-0577	EA	Radiused Internal Elbow (Wiremold #5417FO).....	41.36	13.59
26 05 33	23-0578	EA	External Elbow (Wiremold #5418).....	42.02	13.59
26 05 33	23-0579	EA	Radiused External Elbow (Wiremold #5418FO).....	42.62	13.59
26 05 33	23-0580	EA	5-5/32" x 6" Device Bracket (Wiremold #5450).....	20.75	4.38
26 05 33	23-0581	EA	7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3).....	27.88	4.38
26 05 33	23-0582	EA	2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T).....	15.47	4.38
26 05 33	23-0583	EA	Transition Fitting (Wiremold #5474).....	43.84	13.59
26 05 33	23-0584		<b>6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500)</b> <small>(26 05 33 23-0539)</small>		
26 05 33	23-0585	LF	6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3).....	17.14	3.95
			<i>For Concrete Or Masonry Surface, Add</i>	0.40	
26 05 33	23-0586	LF	Cover (Wiremold #5500C).....	6.54	0.44
26 05 33	23-0587	EA	Wire Clips (Wiremold #5500WC).....	5.91	2.20
26 05 33	23-0588	EA	Cover Clip (Wiremold #5506).....	9.91	2.63
26 05 33	23-0589	EA	Base Seam Clip Fitting (Wiremold #5506B).....	6.78	2.63
26 05 33	23-0590	EA	Modular Furniture Adapter (Wiremold #5507AD).....	9.18	2.63
26 05 33	23-0591	EA	Blank Faceplate (Wiremold #5507B).....	9.22	2.63
26 05 33	23-0592	EA	Duplex Receptacle Faceplate (Wiremold #5507D).....	9.28	2.63
26 05 33	23-0593	EA	Dual RJ Connector Faceplate (Wiremold #5507FRJ).....	9.28	2.63
26 05 33	23-0594	EA	Rectangular Receptacle Faceplate (Wiremold #5507R).....	9.17	2.63
26 05 33	23-0595	EA	Dual RJ Connector Faceplate (Wiremold #5507RJ).....	9.20	2.63
26 05 33	23-0596	EA	Rectangular Spacer Fitting (Wiremold #5507S).....	9.12	2.63
26 05 33	23-0597	EA	Switch Faceplate (Wiremold #5507SW).....	9.14	2.63
26 05 33	23-0598	EA	Twistlock Faceplate (Wiremold #5507T1).....	9.22	2.63
26 05 33	23-0599	EA	Single Receptacle Faceplate (Wiremold #5507T2).....	9.01	2.63
26 05 33	23-0600	EA	6-5/8" x 6" Device Bracket (Wiremold #5550).....	24.91	4.38
26 05 33	23-0601	EA	9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4).....	33.99	4.38
26 05 33	23-0602	EA	End Cap (Wiremold #5510).....	26.28	8.34
26 05 33	23-0603	EA	Entrance End Fitting (Wiremold #5510D).....	55.25	13.59
26 05 33	23-0604	EA	Radiused Flat 90 Degree Elbow (Wiremold #5511FO).....	50.86	10.97
26 05 33	23-0605	EA	Backfeed Connector (Wiremold #5514A).....	40.14	10.97
26 05 33	23-0606	EA	Tee Fitting (Wiremold #5515).....	58.27	13.59
26 05 33	23-0607	EA	Radiused Internal Elbow (Wiremold #5517FO).....	45.84	13.59

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0608	EA		External Elbow (Wiremold #5518).....	47.08	13.59
26 05 33 23-0609	EA		Radiused External Elbow (Wiremold #5518FO) .....	49.70	13.59
26 05 33 23-0610	EA		Transition Fitting (Wiremold #5574).....	44.58	13.59
26 05 33 23-0611	EA		Transition Fitting (Wiremold #5574A).....	61.55	13.59
<b>26 05 33 23-0612</b>			<b>Hellermann Tyton Non-Metallic Low Voltage Raceways</b> (26 05 33 23-0442)		
			Note: Exposed on flat wall surface.		
<b>26 05 33 23-0613</b>			<b>1-1/4" x 3/4", Non-Metallic Low Voltage Raceways</b> (26 05 33 23-0612)		
26 05 33 23-0614	LF		1-1/4" x 3/4", Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2).....	4.91	2.20
26 05 33 23-0615	EA		Splice For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-14).....	6.17	1.31
26 05 33 23-0616	EA		Tee For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-21-1) .....	13.57	4.83
26 05 33 23-0617	EA		Flat 90 Degree Elbow For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-25-1) .....	10.06	3.07
26 05 33 23-0618	EA		Internal Elbow For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-36).....	10.56	3.51
26 05 33 23-0619	EA		External Elbow For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-29-1).....	14.03	3.51
26 05 33 23-0620	EA		End Cap For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-36).....	7.92	2.20
26 05 33 23-0621	EA		Drop Ceiling Connector For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-50) .....	13.67	3.95
<b>26 05 33 23-0622</b>			<b>1-3/4" x 1", Non-Metallic Low Voltage Raceways</b> (26 05 33 23-0612)		
26 05 33 23-0623	LF		1-3/4" x 1", Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3) .....	6.03	2.63
26 05 33 23-0624	EA		Splice For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-14).....	7.38	1.76
26 05 33 23-0625	EA		Tee For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-21-1) .....	14.77	5.27
26 05 33 23-0626	EA		Flat 90 Degree Elbow For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-25-1) .....	11.27	3.51
26 05 33 23-0627	EA		Internal Elbow For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-33-1).....	12.15	3.95
26 05 33 23-0628	EA		External Elbow For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-29-1).....	15.41	3.95
26 05 33 23-0629	EA		End Cap For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-36).....	9.14	2.63
26 05 33 23-0630	EA		Drop Ceiling Connector For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-50) .....	13.67	3.95
26 05 33 23-0631	EA		1-3/4" To 1-1/4" Reducer For Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR1X-12).....	12.64	4.38
<b>26 05 33 23-0632</b>			<b>Non-Metallic Raceway Junction Boxes</b> (26 05 33 23-0612)		
26 05 33 23-0633	EA		3" x 4-3/4" x 1-1/4", Single Gang, Non-Metallic Raceway Junction Box (Hellermann Tyton TSRX-JB1) .....	59.94	24.01
26 05 33 23-0634	EA		3" x 4-3/4" x 2", Single Gang, Non-Metallic Raceway Junction Box (Hellermann Tyton TSRX-JB2) .....	62.07	24.01
26 05 33 23-0635	EA		4.91" x 4.83" x 1.25", Double Gang, Non-Metallic Raceway Junction Box (Hellermann Tyton TSRX-JBD).....	68.69	24.01
<b>26 05 33 23-0636</b>			<b>Hubbell Two-Channel Non-Metallic Raceways</b> (26 05 33 23-0442)		
			Note: Exposed on flat wall surface.		
<b>26 05 33 23-0637</b>			<b>2.12" x 1.04", Two-Channel Non-Metallic Raceways</b> (26 05 33 23-0636)		
26 05 33 23-0638	LF		2.12" x 1.04", Two-Channel Non-Metallic Raceway (Hubbell MT8BC7) .....	10.66	2.63
26 05 33 23-0639	LF		2.12" x 1.04", Two-Channel Non-Metallic Raceway With Adhesive (Hubbell MT8ABC7) .....	11.11	2.63
26 05 33 23-0640	EA		Splice Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8SC).....	5.08	1.76
26 05 33 23-0641	EA		Tee Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8TCBC).....	20.86	5.27
26 05 33 23-0642	EA		Tee Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8TCC) .....	8.09	1.76
26 05 33 23-0643	EA		Flat 90 Degree Elbow Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8FEBC) .....	15.29	3.51
26 05 33 23-0644	EA		Flat 90 Degree Elbow Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8FEC) .....	6.83	1.76
26 05 33 23-0645	EA		Internal Elbow Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8IEBC).....	16.76	3.95
26 05 33 23-0646	EA		Internal Elbow Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8IEC) .....	7.06	1.76
26 05 33 23-0647	EA		External Elbow Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8EEBC) .....	17.21	3.95
26 05 33 23-0648	EA		External Elbow Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8EEC).....	7.57	1.76
26 05 33 23-0649	EA		End Cap For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8EC).....	8.02	2.63
26 05 33 23-0650	EA		Conduit Adapter For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8CACF) .....	17.36	3.95
26 05 33 23-0651	EA		Security Strap For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8SS).....	5.58	1.76
26 05 33 23-0652	EA		Light Fixture Box For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT678FB) .....	30.91	5.27
26 05 33 23-0653	EA		Single Gang Pass-Thru Divider Tunnel For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT678DT1G) .....	16.06	5.27
26 05 33 23-0654	EA		Double Gang Pass-Thru Divider Tunnel For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT678DT2G).....	22.78	5.27
<b>26 05 33 23-0655</b>			<b>Non-Metallic Raceway Junction Boxes</b> (26 05 33 23-0636)		
26 05 33 23-0656	EA		3.25" x 4.90" x 1.25", Single Gang, Non-Metallic Raceway Junction Box (Hubbell MT678LB) .....	56.74	24.01
26 05 33 23-0657	EA		3.25" x 4.90" x 1.78", Single Gang, Non-Metallic Raceway Junction Box (Hubbell MT678SB).....	57.48	24.01
26 05 33 23-0658	EA		3.25" x 4.90" x 2.44", Single Gang, Non-Metallic Raceway Junction Box (Hubbell MT678DB) .....	61.32	24.01
26 05 33 23-0659	EA		5.06" x 4.90" x 2.44", Double Gang, Non-Metallic Raceway Junction Box (Hubbell MT678CTGB).....	61.91	24.01
26 05 33 23-0660	EA		Divided, 5.06" x 4.90" x 2.44", Double Gang, Non-Metallic Raceway Junction Box (Hubbell MT678TGD) .....	69.89	24.01
<b>26 05 33 23-0661</b>			<b>Surface Cable Protection System</b> (26 05 33 23)		
26 05 33 23-0662	EA		35-1/2" Long x 18-9/16" Wide x 3" High, Three Channel, Heavy Duty Polyurethane, Surface Cable Protector (Yellow Jacket® CP-YJHD-3).....	599.05	
			Note: Modular interlocking design with hinged lid.		
26 05 33 23-0663	EA		35-3/4" Long x 19-3/4" Wide x 1-7/8" High, Five Channel, Heavy Duty Polyurethane, Surface Cable Protector (Yellow Jacket® CP-YJHD-5).....	450.82	
			Note: Modular interlocking design with hinged lid.		
<b>26 05 36 Cable Trays for Electrical Systems</b> (26 05)					
<b>26 05 36 00-0001</b>			<b>Cable Trays</b> (26 05 36)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
Note: Excludes supporting hangers.		
<b>26 05 36 00-0002</b>	<b>Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0001)</small></b>	
<b>26 05 36 00-0003</b>	<b>4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0002)</small></b>	
<b>26 05 36 00-0004</b>	<b>4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small></b>	
26 05 36 00-0005	LF 6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 35.93	9.22
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.82
26 05 36 00-0006	LF 9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 38.86	9.89
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.06
26 05 36 00-0007	LF 12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 42.51	10.66
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.36
26 05 36 00-0008	LF 18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 47.53	11.33
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.81
26 05 36 00-0009	LF 24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 52.45	11.71
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.27
26 05 36 00-0010	LF 30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 64.17	13.54
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.29
26 05 36 00-0011	LF 36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 71.91	15.46
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.91
<b>26 05 36 00-0012</b>	<b>6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small></b>	
26 05 36 00-0013	LF 6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 33.75	9.03
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.62
26 05 36 00-0014	LF 9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 36.59	9.61
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.86
26 05 36 00-0015	LF 12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 38.99	10.47
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.03
26 05 36 00-0016	LF 18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 42.90	11.04
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.37
26 05 36 00-0017	LF 24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 46.43	11.43
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.69
26 05 36 00-0018	LF 30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 54.66	13.16
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.37
26 05 36 00-0019	LF 36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 59.70	14.41
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.77
<b>26 05 36 00-0020</b>	<b>9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small></b>	
26 05 36 00-0021	LF 6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 32.46	8.93
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.50
26 05 36 00-0022	LF 9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 33.41	9.22
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.57
26 05 36 00-0023	LF 12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 36.95	9.80
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.88
26 05 36 00-0024	LF 18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 40.61	10.28
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.20
26 05 36 00-0025	LF 24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 44.22	10.57
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.54
26 05 36 00-0026	LF 30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 48.23	11.52
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.87
26 05 36 00-0027	LF 36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 51.77	12.48
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.14
<b>26 05 36 00-0028</b>	<b>12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small></b>	
26 05 36 00-0029	LF 6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 31.52	8.54
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.44
26 05 36 00-0030	LF 9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 32.18	8.74
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.49
26 05 36 00-0031	LF 12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 34.09	9.22
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.64
26 05 36 00-0032	LF 18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 36.14	9.70
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.81
26 05 36 00-0033	LF 24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 37.79	9.70
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.97
26 05 36 00-0034	LF 30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 41.85	10.47
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.31
26 05 36 00-0035	LF 36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 44.10	10.95
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.50
<b>26 05 36 00-0036</b>	<b>18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small></b>	
26 05 36 00-0037	LF 6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray..... 31.11	8.35
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0038 LF 9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....31.65		8.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.45	
26 05 36 00-0039 LF 12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....33.56		9.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.60	
26 05 36 00-0040 LF 18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....35.25		9.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.74	
26 05 36 00-0041 LF 24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....35.87		9.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.79	
26 05 36 00-0042 LF 30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....38.07		10.18
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.96	
26 05 36 00-0043 LF 36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....39.69		10.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.07	
<b>26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray</b>		
<b>Fittings <small>(26 05 36 00-0002)</small></b>		
<b>26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High,</b>		
<b>Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>		
26 05 36 00-0046 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....271.58		96.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.13	
26 05 36 00-0047 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....302.76		109.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.13	
26 05 36 00-0048 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....332.57		121.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.15	
26 05 36 00-0049 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....417.04		148.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.32	
26 05 36 00-0050 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....474.90		170.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.27	
26 05 36 00-0051 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....570.49		192.09
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.04	
26 05 36 00-0052 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....658.58		219.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.56	
<b>26 05 36 00-0053 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High,</b>		
<b>Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>		
26 05 36 00-0054 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....396.17		100.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.27	
26 05 36 00-0055 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....428.19		115.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.22	
26 05 36 00-0056 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....458.50		128.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.18	
26 05 36 00-0057 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....529.48		159.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.70	
26 05 36 00-0058 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....591.29		184.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.76	
26 05 36 00-0059 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....657.52		209.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.30	
26 05 36 00-0060 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....770.94		242.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.88	
<b>26 05 36 00-0061 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High,</b>		
<b>Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>		
26 05 36 00-0062 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....428.39		104.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.11	
26 05 36 00-0063 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....469.92		121.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.90	
26 05 36 00-0064 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....506.41		135.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.34	
26 05 36 00-0065 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....605.36		170.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0066 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	686.56	200.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.96	
26 05 36 00-0067 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	807.30	230.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.52	
26 05 36 00-0068 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	913.25	270.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.76	
<b>26 05 36 00-0069 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>		
26 05 36 00-0070 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	202.71	69.82
<i>For 60 Degree Bend, Deduct</i>	-40.14	
<i>For 30 Degree Bend, Deduct</i>	-70.78	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.46	
26 05 36 00-0071 EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	229.43	83.74
<i>For 60 Degree Bend, Deduct</i>	-43.62	
<i>For 30 Degree Bend, Deduct</i>	-77.36	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.97	
26 05 36 00-0072 EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	253.51	96.04
<i>For 60 Degree Bend, Deduct</i>	-46.84	
<i>For 30 Degree Bend, Deduct</i>	-83.41	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.35	
26 05 36 00-0073 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	301.00	121.40
<i>For 60 Degree Bend, Deduct</i>	-52.81	
<i>For 30 Degree Bend, Deduct</i>	-94.76	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.99	
26 05 36 00-0074 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	374.72	148.67
<i>For 60 Degree Bend, Deduct</i>	-66.67	
<i>For 30 Degree Bend, Deduct</i>	-119.37	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.08	
26 05 36 00-0075 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	446.69	170.67
<i>For 60 Degree Bend, Deduct</i>	-81.98	
<i>For 30 Degree Bend, Deduct</i>	-146.11	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.45	
26 05 36 00-0076 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	503.20	200.34
<i>For 60 Degree Bend, Deduct</i>	-89.25	
<i>For 30 Degree Bend, Deduct</i>	-159.88	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.62	
<b>26 05 36 00-0077 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>		
26 05 36 00-0078 EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	229.30	72.03
<i>For 60 Degree Bend, Deduct</i>	-48.07	
<i>For 30 Degree Bend, Deduct</i>	-84.12	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.93	
26 05 36 00-0079 EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	261.08	86.82
<i>For 60 Degree Bend, Deduct</i>	-52.87	
<i>For 30 Degree Bend, Deduct</i>	-92.94	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.87	
26 05 36 00-0080 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	297.56	100.27
<i>For 60 Degree Bend, Deduct</i>	-59.76	
<i>For 30 Degree Bend, Deduct</i>	-105.18	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.40	
26 05 36 00-0081 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	347.43	128.03
<i>For 60 Degree Bend, Deduct</i>	-65.56	
<i>For 30 Degree Bend, Deduct</i>	-116.39	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.07	
26 05 36 00-0082 EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	427.22	159.04
<i>For 60 Degree Bend, Deduct</i>	-80.03	
<i>For 30 Degree Bend, Deduct</i>	-142.22	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.47	
26 05 36 00-0083 EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	501.37	184.49
<i>For 60 Degree Bend, Deduct</i>	-94.74	
<i>For 30 Degree Bend, Deduct</i>	-168.15	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.77	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0084	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	588.16	219.64
			<i>For 60 Degree Bend, Deduct</i> .....	-109.91	
			<i>For 30 Degree Bend, Deduct</i> .....	-195.38	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-40.52	
<b>26 05 36 00-0085</b>			<b>36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0086	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	280.75	74.34
			<i>For 60 Degree Bend, Deduct</i> .....	-64.17	
			<i>For 30 Degree Bend, Deduct</i> .....	-111.07	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-21.88	
26 05 36 00-0087	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	316.17	90.28
			<i>For 60 Degree Bend, Deduct</i> .....	-69.73	
			<i>For 30 Degree Bend, Deduct</i> .....	-121.24	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-24.10	
26 05 36 00-0088	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	343.88	104.78
			<i>For 60 Degree Bend, Deduct</i> .....	-73.32	
			<i>For 30 Degree Bend, Deduct</i> .....	-128.02	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-25.66	
26 05 36 00-0089	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	409.44	135.61
			<i>For 60 Degree Bend, Deduct</i> .....	-83.12	
			<i>For 30 Degree Bend, Deduct</i> .....	-146.06	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-29.64	
26 05 36 00-0090	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	478.42	170.67
			<i>For 60 Degree Bend, Deduct</i> .....	-92.45	
			<i>For 30 Degree Bend, Deduct</i> .....	-163.56	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-33.62	
26 05 36 00-0091	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	584.30	200.34
			<i>For 60 Degree Bend, Deduct</i> .....	-116.01	
			<i>For 30 Degree Bend, Deduct</i> .....	-204.49	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-41.73	
26 05 36 00-0092	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	682.78	242.51
			<i>For 60 Degree Bend, Deduct</i> .....	-132.35	
			<i>For 30 Degree Bend, Deduct</i> .....	-234.06	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-48.07	
<b>26 05 36 00-0093</b>			<b>12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0094	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	297.03	96.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-21.70	
26 05 36 00-0095	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	322.97	109.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-23.15	
26 05 36 00-0096	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	346.93	121.30
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-24.59	
26 05 36 00-0097	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	398.90	148.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-27.50	
26 05 36 00-0098	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	441.90	170.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-29.97	
26 05 36 00-0099	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	490.14	192.09
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-33.01	
26 05 36 00-0100	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	541.76	219.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-35.90	
<b>26 05 36 00-0101</b>			<b>24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0102	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	360.60	100.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-27.71	
26 05 36 00-0103	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	390.44	115.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-29.44	
26 05 36 00-0104	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	419.65	128.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-31.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0105 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	482.25	159.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.97	
26 05 36 00-0106 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	535.69	184.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.20	
26 05 36 00-0107 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	589.83	209.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.53	
26 05 36 00-0108 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	674.97	242.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.29	
<b>26 05 36 00-0109 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0110 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	435.82	104.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.86	
26 05 36 00-0111 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	472.86	121.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.18	
26 05 36 00-0112 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	499.99	135.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.70	
26 05 36 00-0113 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	580.43	170.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.82	
26 05 36 00-0114 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	633.04	200.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.61	
26 05 36 00-0115 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	724.19	230.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.21	
26 05 36 00-0116 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	813.39	270.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.77	
<b>26 05 36 00-0117 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0118 EA 6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	526.81	184.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.31	
26 05 36 00-0119 EA 9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	569.69	200.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.27	
26 05 36 00-0120 EA 12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	597.83	209.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.33	
26 05 36 00-0121 EA 18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	669.03	230.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.70	
26 05 36 00-0122 EA 24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	760.45	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.72	
26 05 36 00-0123 EA 30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	851.64	271.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.56	
26 05 36 00-0124 EA 36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	963.81	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.78	
<b>26 05 36 00-0125 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0126 EA 6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	677.75	200.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.08	
26 05 36 00-0127 EA 9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	726.19	219.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.32	
26 05 36 00-0128 EA 12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	757.43	230.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.54	
26 05 36 00-0129 EA 18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	829.21	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.60	
26 05 36 00-0130 EA 24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	918.96	288.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.89	
26 05 36 00-0131 EA 30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	990.00	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.40	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0132	EA	36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,203.69	354.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.80	
<b>26 05 36 00-0133</b>		<b>36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0134	EA	6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	880.08	219.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.71	
26 05 36 00-0135	EA	9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	937.93	242.51
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.58	
26 05 36 00-0136	EA	12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	996.20	255.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.30	
26 05 36 00-0137	EA	18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,092.50	288.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.24	
26 05 36 00-0138	EA	24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,239.06	328.94
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.50	
26 05 36 00-0139	EA	30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,344.49	354.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-104.88	
26 05 36 00-0140	EA	36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,506.73	418.74
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.77	
<b>26 05 36 00-0141</b>		<b>12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0142	EA	6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	657.75	170.67
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.55	
26 05 36 00-0143	EA	9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	672.24	177.38
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.44	
26 05 36 00-0144	EA	12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	687.25	184.49
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.35	
26 05 36 00-0145	EA	18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	720.31	200.34
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.33	
26 05 36 00-0146	EA	24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	741.90	209.37
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.74	
26 05 36 00-0147	EA	30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	803.28	230.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.12	
26 05 36 00-0148	EA	36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	861.96	255.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.87	
<b>26 05 36 00-0149</b>		<b>24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0150	EA	6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	981.94	184.49
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.82	
26 05 36 00-0151	EA	9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,004.47	192.09
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.44	
26 05 36 00-0152	EA	12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,028.10	200.34
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.11	
26 05 36 00-0153	EA	18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,079.82	219.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.68	
26 05 36 00-0154	EA	24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,117.61	230.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.55	
26 05 36 00-0155	EA	30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,179.57	255.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.63	
26 05 36 00-0156	EA	36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,266.04	288.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.59	
<b>26 05 36 00-0157</b>		<b>36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0158 EA 6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,594.56	200.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-142.76	
26 05 36 00-0159 EA 9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,625.97	209.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-145.15	
26 05 36 00-0160 EA 12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,659.37	219.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-147.64	
26 05 36 00-0161 EA 18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,713.94	242.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-151.18	
26 05 36 00-0162 EA 24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,752.58	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-153.93	
26 05 36 00-0163 EA 30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,855.42	288.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-161.53	
26 05 36 00-0164 EA 36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,939.77	328.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-166.57	
<b>26 05 36 00-0165 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0166 EA 6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	655.93	230.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.39	
26 05 36 00-0167 EA 9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	689.08	242.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.70	
26 05 36 00-0168 EA 12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	737.53	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.43	
26 05 36 00-0169 EA 18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	792.70	271.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.66	
26 05 36 00-0170 EA 24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	891.77	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.58	
26 05 36 00-0171 EA 30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,003.31	328.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.92	
26 05 36 00-0172 EA 36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,098.91	354.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.32	
<b>26 05 36 00-0173 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0174 EA 6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	953.64	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.04	
26 05 36 00-0175 EA 9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	995.71	271.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.96	
26 05 36 00-0176 EA 12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,040.11	288.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.00	
26 05 36 00-0177 EA 18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,107.88	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.19	
26 05 36 00-0178 EA 24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,226.61	354.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.09	
26 05 36 00-0179 EA 30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,318.07	384.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.79	
26 05 36 00-0180 EA 36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,483.81	418.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.48	
<b>26 05 36 00-0181 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0182 EA 6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,216.93	288.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.68	
26 05 36 00-0183 EA 9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,281.42	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.54	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0184	EA		12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,350.39	328.94
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.63	
26 05 36 00-0185	EA		18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,475.46	354.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-117.98	
26 05 36 00-0186	EA		24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,680.27	418.74
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-133.13	
26 05 36 00-0187	EA		30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,831.26	460.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-144.77	
26 05 36 00-0188	EA		36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,000.47	512.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-157.32	
<b>26 05 36 00-0189</b>			<b>12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0190	EA		6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	778.23	230.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.62	
26 05 36 00-0191	EA		9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	817.41	242.60
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.52	
26 05 36 00-0192	EA		12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	877.43	255.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.42	
26 05 36 00-0193	EA		18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	946.11	271.41
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.99	
26 05 36 00-0194	EA		24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,062.69	307.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.67	
26 05 36 00-0195	EA		30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,208.37	329.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.42	
26 05 36 00-0196	EA		36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,326.57	354.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.12	
<b>26 05 36 00-0197</b>			<b>24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0198	EA		6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,190.86	255.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.76	
26 05 36 00-0199	EA		9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,240.30	271.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.42	
26 05 36 00-0200	EA		12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,292.07	288.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.20	
26 05 36 00-0201	EA		18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,376.05	307.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-112.01	
26 05 36 00-0202	EA		24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,512.46	354.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.68	
26 05 36 00-0203	EA		30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,623.07	384.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-130.29	
26 05 36 00-0204	EA		36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,837.44	418.74
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-148.85	
<b>26 05 36 00-0205</b>			<b>36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0206	EA		6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,548.45	288.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-130.84	
26 05 36 00-0207	EA		9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,627.68	307.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-137.17	
26 05 36 00-0208	EA		12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,711.39	328.94
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-143.73	
26 05 36 00-0209	EA		18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,873.29	354.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-157.76	
26 05 36 00-0210	EA		24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,122.31	418.74
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-177.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0211 EA 30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,310.13	460.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-192.66	
26 05 36 00-0212 EA 36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,516.18	512.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-208.90	
<b>26 05 36 00-0213 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small></b>		
<b>26 05 36 00-0214 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small></b>		
26 05 36 00-0215 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	255.71	96.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.55	
26 05 36 00-0216 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	285.63	109.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.42	
26 05 36 00-0217 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	313.93	121.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.29	
26 05 36 00-0218 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	392.86	148.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.90	
26 05 36 00-0219 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	447.69	170.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.55	
26 05 36 00-0220 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	534.72	192.09
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.47	
26 05 36 00-0221 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	616.76	219.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.38	
<b>26 05 36 00-0222 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small></b>		
26 05 36 00-0223 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	363.43	100.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.99	
26 05 36 00-0224 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	394.44	115.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.85	
26 05 36 00-0225 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	423.49	128.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.68	
26 05 36 00-0226 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	491.69	159.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.92	
26 05 36 00-0227 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	550.74	184.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.70	
26 05 36 00-0228 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	613.45	209.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.90	
26 05 36 00-0229 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	718.55	242.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.64	
<b>26 05 36 00-0230 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small></b>		
26 05 36 00-0231 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	392.12	104.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.49	
26 05 36 00-0232 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	431.64	121.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.07	
26 05 36 00-0233 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	466.37	135.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.33	
26 05 36 00-0234 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	559.52	170.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.73	
26 05 36 00-0235 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	636.19	200.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.92	
26 05 36 00-0236 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	746.86	230.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.48	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0237	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	847.26	270.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.16	
<b>26 05 36 00-0238</b>			<b>12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0239	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	190.37	69.82
			<i>For 60 Degree Bend, Deduct</i>	-36.07	
			<i>For 30 Degree Bend, Deduct</i>	-63.99	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.22	
26 05 36 00-0240	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	216.58	83.74
			<i>For 60 Degree Bend, Deduct</i>	-39.38	
			<i>For 30 Degree Bend, Deduct</i>	-70.29	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.68	
26 05 36 00-0241	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	240.17	96.04
			<i>For 60 Degree Bend, Deduct</i>	-42.44	
			<i>For 30 Degree Bend, Deduct</i>	-76.07	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.01	
26 05 36 00-0242	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	286.90	121.40
			<i>For 60 Degree Bend, Deduct</i>	-48.15	
			<i>For 30 Degree Bend, Deduct</i>	-87.00	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.58	
26 05 36 00-0243	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	356.59	148.67
			<i>For 60 Degree Bend, Deduct</i>	-60.69	
			<i>For 30 Degree Bend, Deduct</i>	-109.40	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.27	
26 05 36 00-0244	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	423.51	170.67
			<i>For 60 Degree Bend, Deduct</i>	-74.33	
			<i>For 30 Degree Bend, Deduct</i>	-133.36	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.13	
26 05 36 00-0245	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	479.02	200.34
			<i>For 60 Degree Bend, Deduct</i>	-81.27	
			<i>For 30 Degree Bend, Deduct</i>	-146.58	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.21	
<b>26 05 36 00-0246</b>			<b>24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0247	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	213.69	72.03
			<i>For 60 Degree Bend, Deduct</i>	-42.92	
			<i>For 30 Degree Bend, Deduct</i>	-75.53	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.37	
26 05 36 00-0248	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	244.46	86.82
			<i>For 60 Degree Bend, Deduct</i>	-47.39	
			<i>For 30 Degree Bend, Deduct</i>	-83.80	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.21	
26 05 36 00-0249	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	278.92	100.27
			<i>For 60 Degree Bend, Deduct</i>	-53.61	
			<i>For 30 Degree Bend, Deduct</i>	-94.92	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.54	
26 05 36 00-0250	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	328.28	128.03
			<i>For 60 Degree Bend, Deduct</i>	-59.24	
			<i>For 30 Degree Bend, Deduct</i>	-105.85	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.16	
26 05 36 00-0251	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	404.04	159.04
			<i>For 60 Degree Bend, Deduct</i>	-72.38	
			<i>For 30 Degree Bend, Deduct</i>	-129.47	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.15	
26 05 36 00-0252	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	473.67	184.49
			<i>For 60 Degree Bend, Deduct</i>	-85.60	
			<i>For 30 Degree Bend, Deduct</i>	-152.92	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.00	
26 05 36 00-0253	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	556.43	219.64
			<i>For 60 Degree Bend, Deduct</i>	-99.44	
			<i>For 30 Degree Bend, Deduct</i>	-177.93	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-0254</b> <b>36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0255    EA    6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	258.33	74.34
For 60 Degree Bend, Deduct	-56.77	
For 30 Degree Bend, Deduct	-98.74	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.64	
26 05 36 00-0256    EA    9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	292.50	90.28
For 60 Degree Bend, Deduct	-61.92	
For 30 Degree Bend, Deduct	-108.22	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.73	
26 05 36 00-0257    EA    12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	319.70	104.78
For 60 Degree Bend, Deduct	-65.34	
For 30 Degree Bend, Deduct	-114.72	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.24	
26 05 36 00-0258    EA    18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	383.25	135.61
For 60 Degree Bend, Deduct	-74.47	
For 30 Degree Bend, Deduct	-131.66	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.02	
26 05 36 00-0259    EA    24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	450.72	170.67
For 60 Degree Bend, Deduct	-83.31	
For 30 Degree Bend, Deduct	-148.33	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.85	
26 05 36 00-0260    EA    30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	548.53	200.34
For 60 Degree Bend, Deduct	-104.21	
For 30 Degree Bend, Deduct	-184.81	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.16	
26 05 36 00-0261    EA    36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	642.98	242.51
For 60 Degree Bend, Deduct	-119.22	
For 30 Degree Bend, Deduct	-212.17	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.09	
<b>26 05 36 00-0262</b> <b>12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0263    EA    6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	286.07	96.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.60	
26 05 36 00-0264    EA    9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	311.77	109.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.03	
26 05 36 00-0265    EA    12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	335.34	121.30
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.43	
26 05 36 00-0266    EA    18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	386.81	148.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.29	
26 05 36 00-0267    EA    24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	429.31	170.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.71	
26 05 36 00-0268    EA    30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	476.54	192.09
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.65	
26 05 36 00-0269    EA    36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	527.66	219.26
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.49	
<b>26 05 36 00-0270</b> <b>24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0271    EA    6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	345.11	100.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.16	
26 05 36 00-0272    EA    9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	374.57	115.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.85	
26 05 36 00-0273    EA    12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	403.15	128.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.64	
26 05 36 00-0274    EA    18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	464.87	159.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.24	
26 05 36 00-0275    EA    24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	517.43	184.49
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.37	
26 05 36 00-0276    EA    30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	570.56	209.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.61	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0277	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	653.31	242.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-45.12	
<b>26 05 36 00-0278</b>			<b>36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0279	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	414.91	104.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-32.77	
26 05 36 00-0280	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	451.20	121.30
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-35.02	
26 05 36 00-0281	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	478.08	135.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-36.50	
26 05 36 00-0282	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	556.75	170.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-41.45	
26 05 36 00-0283	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	609.11	200.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-44.21	
26 05 36 00-0284	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	696.98	230.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-50.49	
26 05 36 00-0285	EA		36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	784.42	270.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-55.88	
<b>26 05 36 00-0286</b>			<b>12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0287	EA		6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	509.94	184.49
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-35.62	
26 05 36 00-0288	EA		9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	551.56	200.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-38.46	
26 05 36 00-0289	EA		12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	578.69	209.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-40.42	
26 05 36 00-0290	EA		18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	647.11	230.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-45.50	
26 05 36 00-0291	EA		24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	734.76	255.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-52.15	
26 05 36 00-0292	EA		30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	820.91	271.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-59.48	
26 05 36 00-0293	EA		36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	929.05	307.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-67.31	
<b>26 05 36 00-0294</b>			<b>24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0295	EA		6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	651.30	200.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-48.43	
26 05 36 00-0296	EA		9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	698.48	219.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-51.55	
26 05 36 00-0297	EA		12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	728.72	230.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-53.66	
26 05 36 00-0298	EA		18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	798.23	255.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-58.50	
26 05 36 00-0299	EA		24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	885.21	288.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-64.51	
26 05 36 00-0300	EA		30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	953.23	307.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-69.73	
26 05 36 00-0301	EA		36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	1,156.59	354.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-86.09	
<b>26 05 36 00-0302</b>			<b>36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0303 EA 6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	840.54	219.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.75	
26 05 36 00-0304 EA 9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	896.87	242.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.48	
26 05 36 00-0305 EA 12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	952.38	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.91	
26 05 36 00-0306 EA 18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,045.40	288.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.53	
26 05 36 00-0307 EA 24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,185.92	328.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.18	
26 05 36 00-0308 EA 30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,286.56	354.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.09	
26 05 36 00-0309 EA 36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,444.52	418.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.55	
<b>26 05 36 00-0310 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0311 EA 6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	629.04	170.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.68	
26 05 36 00-0312 EA 9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	643.27	177.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.54	
26 05 36 00-0313 EA 12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	658.04	184.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.43	
26 05 36 00-0314 EA 18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	690.59	200.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.36	
26 05 36 00-0315 EA 24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	711.68	209.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.72	
26 05 36 00-0316 EA 30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	771.04	230.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.90	
26 05 36 00-0317 EA 36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	828.46	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.52	
<b>26 05 36 00-0318 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0319 EA 6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	930.06	184.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.63	
26 05 36 00-0320 EA 9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	951.83	192.09
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.18	
26 05 36 00-0321 EA 12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	974.70	200.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.77	
26 05 36 00-0322 EA 18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,024.91	219.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.19	
26 05 36 00-0323 EA 24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,061.19	230.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.91	
26 05 36 00-0324 EA 30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,121.64	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.84	
26 05 36 00-0325 EA 36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,205.59	288.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.55	
<b>26 05 36 00-0326 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0327 EA 6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,497.59	200.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-133.06	
26 05 36 00-0328 EA 9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,527.74	209.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-135.33	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0329	EA	12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,559.88	219.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-137.69</i>	
26 05 36 00-0330	EA	18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,613.20	242.51
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-141.11</i>	
26 05 36 00-0331	EA	24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,650.57	255.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-143.73</i>	
26 05 36 00-0332	EA	30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,749.63	288.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-150.95</i>	
26 05 36 00-0333	EA	36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,832.73	328.94
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-155.86</i>	
<b>26 05 36 00-0334</b>		<b>12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0335	EA	6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	635.02	230.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-44.29</i>	
26 05 36 00-0336	EA	9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	667.16	242.51
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-46.51</i>	
26 05 36 00-0337	EA	12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	713.60	255.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-50.04</i>	
26 05 36 00-0338	EA	18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	766.51	271.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-54.04</i>	
26 05 36 00-0339	EA	24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	862.56	307.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-60.66</i>	
26 05 36 00-0340	EA	30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	968.30	328.94
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-69.42</i>	
26 05 36 00-0341	EA	36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,059.87	354.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-76.42</i>	
<b>26 05 36 00-0342</b>		<b>24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0343	EA	6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	913.09	255.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-69.99</i>	
26 05 36 00-0344	EA	9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	953.90	271.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-72.78</i>	
26 05 36 00-0345	EA	12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	997.04	288.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-75.69</i>	
26 05 36 00-0346	EA	18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,062.04	307.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-80.61</i>	
26 05 36 00-0347	EA	24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,177.75	354.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-88.21</i>	
26 05 36 00-0348	EA	30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,265.93	384.16
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-94.58</i>	
26 05 36 00-0349	EA	36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,423.36	418.74
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-107.44</i>	
<b>26 05 36 00-0350</b>		<b>36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0351	EA	6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,160.25	288.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-92.02</i>	
26 05 36 00-0352	EA	9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,222.23	307.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-96.63</i>	
26 05 36 00-0353	EA	12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,288.68	328.94
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-101.46</i>	
26 05 36 00-0354	EA	18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,407.46	354.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-111.18</i>	
26 05 36 00-0355	EA	24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,604.71	418.74
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-125.57</i>	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0356 EA 30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,749.40	460.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-136.59	
26 05 36 00-0357 EA 36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,912.31	512.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-148.51	
<b>26 05 36 00-0358 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0359 EA 6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	747.91	230.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.58	
26 05 36 00-0360 EA 9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	785.63	242.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.35	
26 05 36 00-0361 EA 12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	842.73	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.95	
26 05 36 00-0362 EA 18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	908.13	271.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.20	
26 05 36 00-0363 EA 24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,020.33	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.44	
26 05 36 00-0364 EA 30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,157.61	329.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.34	
26 05 36 00-0365 EA 36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,269.96	354.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.46	
<b>26 05 36 00-0366 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0367 EA 6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,132.06	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.88	
26 05 36 00-0368 EA 9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,179.68	271.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.36	
26 05 36 00-0369 EA 12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,229.62	288.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.95	
26 05 36 00-0370 EA 18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,309.58	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.36	
26 05 36 00-0371 EA 24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,441.61	354.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.59	
26 05 36 00-0372 EA 30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,547.47	384.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-122.73	
26 05 36 00-0373 EA 36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,749.79	418.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-140.08	
<b>26 05 36 00-0374 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0375 EA 6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,466.28	288.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-122.62	
26 05 36 00-0376 EA 9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,541.85	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-128.59	
26 05 36 00-0377 EA 12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,621.91	328.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-134.78	
26 05 36 00-0378 EA 18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,774.68	354.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-147.90	
26 05 36 00-0379 EA 24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,012.74	418.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-166.38	
26 05 36 00-0380 EA 30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,191.44	460.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-180.79	
26 05 36 00-0381 EA 36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,388.35	512.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-196.11	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0382			9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0383			12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0384	EA		6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	239.84	96.33
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-15.96	
26 05 36 00-0385	EA		9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	268.51	109.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-17.71	
26 05 36 00-0386	EA		12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	295.29	121.30
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-19.42	
26 05 36 00-0387	EA		18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	368.68	148.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-24.48	
26 05 36 00-0388	EA		24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	420.49	170.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-27.83	
26 05 36 00-0389	EA		30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	498.96	192.09
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-33.89	
26 05 36 00-0390	EA		36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	574.95	219.55
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-39.20	
26 05 36 00-0391			24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0392	EA		6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	330.69	100.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-24.72	
26 05 36 00-0393	EA		9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	360.68	115.15
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-26.47	
26 05 36 00-0394	EA		12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	388.48	128.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-28.18	
26 05 36 00-0395	EA		18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	453.91	159.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-32.14	
26 05 36 00-0396	EA		24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	510.19	184.49
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-35.65	
26 05 36 00-0397	EA		30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	569.37	209.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-39.49	
26 05 36 00-0398	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	666.16	242.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-46.41	
26 05 36 00-0399			36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0400	EA		6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	355.85	104.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-26.86	
26 05 36 00-0401	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	393.35	121.21
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-29.24	
26 05 36 00-0402	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	426.32	135.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-31.33	
26 05 36 00-0403	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	513.68	170.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-37.14	
26 05 36 00-0404	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	585.81	200.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-41.88	
26 05 36 00-0405	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	686.41	230.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-49.43	
26 05 36 00-0406	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	781.27	270.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-55.56	
26 05 36 00-0407			12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0408 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	178.03	69.82
<i>For 60 Degree Bend, Deduct</i>	-32.00	
<i>For 30 Degree Bend, Deduct</i>	-57.20	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.99	
26 05 36 00-0409 EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	203.74	83.74
<i>For 60 Degree Bend, Deduct</i>	-35.15	
<i>For 30 Degree Bend, Deduct</i>	-63.23	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.40	
26 05 36 00-0410 EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	226.82	96.04
<i>For 60 Degree Bend, Deduct</i>	-38.03	
<i>For 30 Degree Bend, Deduct</i>	-68.73	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.68	
26 05 36 00-0411 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	272.79	121.40
<i>For 60 Degree Bend, Deduct</i>	-43.50	
<i>For 30 Degree Bend, Deduct</i>	-79.24	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.17	
26 05 36 00-0412 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	338.45	148.67
<i>For 60 Degree Bend, Deduct</i>	-54.70	
<i>For 30 Degree Bend, Deduct</i>	-99.42	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.46	
26 05 36 00-0413 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	400.34	170.67
<i>For 60 Degree Bend, Deduct</i>	-66.68	
<i>For 30 Degree Bend, Deduct</i>	-120.62	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.81	
26 05 36 00-0414 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	454.84	200.34
<i>For 60 Degree Bend, Deduct</i>	-73.29	
<i>For 30 Degree Bend, Deduct</i>	-133.28	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.79	
<b>26 05 36 00-0415 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0416 EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	198.07	72.03
<i>For 60 Degree Bend, Deduct</i>	-37.77	
<i>For 30 Degree Bend, Deduct</i>	-66.94	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.81	
26 05 36 00-0417 EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	227.84	86.82
<i>For 60 Degree Bend, Deduct</i>	-41.90	
<i>For 30 Degree Bend, Deduct</i>	-74.66	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.55	
26 05 36 00-0418 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	260.28	100.27
<i>For 60 Degree Bend, Deduct</i>	-47.46	
<i>For 30 Degree Bend, Deduct</i>	-84.67	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.67	
26 05 36 00-0419 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	309.14	128.03
<i>For 60 Degree Bend, Deduct</i>	-52.93	
<i>For 30 Degree Bend, Deduct</i>	-95.33	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.24	
26 05 36 00-0420 EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	380.87	159.04
<i>For 60 Degree Bend, Deduct</i>	-64.73	
<i>For 30 Degree Bend, Deduct</i>	-116.73	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.84	
26 05 36 00-0421 EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	445.96	184.49
<i>For 60 Degree Bend, Deduct</i>	-76.46	
<i>For 30 Degree Bend, Deduct</i>	-137.68	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.22	
26 05 36 00-0422 EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	524.69	219.64
<i>For 60 Degree Bend, Deduct</i>	-88.97	
<i>For 30 Degree Bend, Deduct</i>	-160.48	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.17	
<b>26 05 36 00-0423 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0424 EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	235.91	74.34
<i>For 60 Degree Bend, Deduct</i>	-49.37	
<i>For 30 Degree Bend, Deduct</i>	-86.41	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.40	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 36 Cable Trays for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0425	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	268.82	90.28
			<i>For 60 Degree Bend, Deduct</i> .....	-54.11	
			<i>For 30 Degree Bend, Deduct</i> .....	-95.20	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-19.36	
26 05 36 00-0426	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	295.52	104.78
			<i>For 60 Degree Bend, Deduct</i> .....	-57.36	
			<i>For 30 Degree Bend, Deduct</i> .....	-101.42	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-20.82	
26 05 36 00-0427	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	357.05	135.61
			<i>For 60 Degree Bend, Deduct</i> .....	-65.83	
			<i>For 30 Degree Bend, Deduct</i> .....	-117.25	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-24.40	
26 05 36 00-0428	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	423.01	170.67
			<i>For 60 Degree Bend, Deduct</i> .....	-74.16	
			<i>For 30 Degree Bend, Deduct</i> .....	-133.09	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-28.08	
26 05 36 00-0429	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	512.77	200.34
			<i>For 60 Degree Bend, Deduct</i> .....	-92.41	
			<i>For 30 Degree Bend, Deduct</i> .....	-165.14	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-34.58	
26 05 36 00-0430	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	603.19	242.51
			<i>For 60 Degree Bend, Deduct</i> .....	-106.08	
			<i>For 30 Degree Bend, Deduct</i> .....	-190.28	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-40.11	
26 05 36 00-0431			<b>12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0432	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	269.63	96.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-18.96	
26 05 36 00-0433	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	294.95	109.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-20.35	
26 05 36 00-0434	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	317.96	121.30
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-21.69	
26 05 36 00-0435	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	368.68	148.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-24.48	
26 05 36 00-0436	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	410.42	170.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-26.82	
26 05 36 00-0437	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	456.14	192.09
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-29.61	
26 05 36 00-0438	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	506.50	219.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-32.38	
26 05 36 00-0439			<b>24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0440	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	321.87	100.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-23.84	
26 05 36 00-0441	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	350.77	115.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-25.47	
26 05 36 00-0442	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	378.41	128.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-27.17	
26 05 36 00-0443	EA		18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	438.80	159.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-30.63	
26 05 36 00-0444	EA		24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	490.04	184.49
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-33.63	
26 05 36 00-0445	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	541.66	209.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-36.72	
26 05 36 00-0446	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	620.82	242.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-41.87	
26 05 36 00-0447			<b>36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0448 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	383.55	104.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.63	
26 05 36 00-0449 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	418.71	121.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.77	
26 05 36 00-0450 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	445.21	135.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.22	
26 05 36 00-0451 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	521.24	170.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.90	
26 05 36 00-0452 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	573.22	200.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.63	
26 05 36 00-0453 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	656.18	230.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.41	
26 05 36 00-0454 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	740.97	270.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.53	
<b>26 05 36 00-0455 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0456 EA 6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	476.18	184.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.25	
26 05 36 00-0457 EA 9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	515.29	200.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.83	
26 05 36 00-0458 EA 12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	540.40	209.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.59	
26 05 36 00-0459 EA 18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	603.29	230.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.12	
26 05 36 00-0460 EA 24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	683.38	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.01	
26 05 36 00-0461 EA 30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	759.45	271.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.34	
26 05 36 00-0462 EA 36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	859.53	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.36	
<b>26 05 36 00-0463 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0464 EA 6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	598.41	200.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.14	
26 05 36 00-0465 EA 9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	643.07	219.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.01	
26 05 36 00-0466 EA 12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	671.29	230.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.92	
26 05 36 00-0467 EA 18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	736.27	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.30	
26 05 36 00-0468 EA 24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	817.71	288.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.76	
26 05 36 00-0469 EA 30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	879.68	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.37	
26 05 36 00-0470 EA 36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,062.39	354.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.67	
<b>26 05 36 00-0471 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0472 EA 6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	761.45	219.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.84	
26 05 36 00-0473 EA 9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	814.76	242.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.27	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0474	EA	12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	864.73	255.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.15	
26 05 36 00-0475	EA	18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	951.20	288.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.11	
26 05 36 00-0476	EA	24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,079.63	328.94
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.55	
26 05 36 00-0477	EA	30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,170.70	354.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.50	
26 05 36 00-0478	EA	36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,320.09	418.74
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.11	
<b>26 05 36 00-0479</b>		<b>12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0480	EA	6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	571.61	170.67
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.94	
26 05 36 00-0481	EA	9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	585.34	177.38
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.75	
26 05 36 00-0482	EA	12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	599.60	184.49
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.59	
26 05 36 00-0483	EA	18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	631.15	200.34
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.42	
26 05 36 00-0484	EA	24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	651.23	209.37
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.67	
26 05 36 00-0485	EA	30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	706.56	230.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.45	
26 05 36 00-0486	EA	36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	761.46	255.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.82	
<b>26 05 36 00-0487</b>		<b>24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0488	EA	6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	826.29	184.49
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.26	
26 05 36 00-0489	EA	9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	846.54	192.09
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.65	
26 05 36 00-0490	EA	12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	867.91	200.34
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.09	
26 05 36 00-0491	EA	18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	915.09	219.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.21	
26 05 36 00-0492	EA	24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	948.35	230.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.63	
26 05 36 00-0493	EA	30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,005.78	255.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.25	
26 05 36 00-0494	EA	36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,084.69	288.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.46	
<b>26 05 36 00-0495</b>		<b>36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0496	EA	6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,303.65	200.34
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.67	
26 05 36 00-0497	EA	9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,331.28	209.37
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.68	
26 05 36 00-0498	EA	12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,360.90	219.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-117.79	
26 05 36 00-0499	EA	18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,411.70	242.51
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-120.96	
26 05 36 00-0500	EA	24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,446.55	255.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-123.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0501 EA 30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,538.06	288.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-129.80	
26 05 36 00-0502 EA 36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,618.64	328.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-134.46	
<b>26 05 36 00-0503 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0504 EA 6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	593.21	230.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.11	
26 05 36 00-0505 EA 9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	623.34	242.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.12	
26 05 36 00-0506 EA 12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	665.75	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.25	
26 05 36 00-0507 EA 18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	714.12	271.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.80	
26 05 36 00-0508 EA 24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	804.12	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.81	
26 05 36 00-0509 EA 30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	898.28	328.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.42	
26 05 36 00-0510 EA 36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	981.79	354.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.61	
<b>26 05 36 00-0511 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0512 EA 6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	831.98	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.87	
26 05 36 00-0513 EA 9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	870.28	271.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.42	
26 05 36 00-0514 EA 12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	910.90	288.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.08	
26 05 36 00-0515 EA 18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	970.36	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.44	
26 05 36 00-0516 EA 24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,080.02	354.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.43	
26 05 36 00-0517 EA 30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,161.66	384.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.15	
26 05 36 00-0518 EA 36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,302.46	418.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.35	
<b>26 05 36 00-0519 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0520 EA 6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,046.91	288.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.68	
26 05 36 00-0521 EA 9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,103.85	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.79	
26 05 36 00-0522 EA 12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,165.27	328.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.12	
26 05 36 00-0523 EA 18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,271.44	354.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.57	
26 05 36 00-0524 EA 24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,453.59	418.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.46	
26 05 36 00-0525 EA 30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,585.68	460.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-120.21	
26 05 36 00-0526 EA 36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,736.00	512.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-130.88	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-0527		<b>12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>			
26 05 36 00-0528	EA	6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	687.29	230.50	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.52		
26 05 36 00-0529	EA	9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	722.09	242.60	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.99		
26 05 36 00-0530	EA	12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	773.34	255.85	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.01		
26 05 36 00-0531	EA	18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	832.16	271.41	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.60		
26 05 36 00-0532	EA	24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	935.60	307.14	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.96		
26 05 36 00-0533	EA	30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,056.08	329.04	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.19		
26 05 36 00-0534	EA	36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,156.74	354.39	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.14		
26 05 36 00-0535		<b>24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>			
26 05 36 00-0536	EA	6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,014.47	255.85	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.12		
26 05 36 00-0537	EA	9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,058.43	271.32	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.23		
26 05 36 00-0538	EA	12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,104.72	288.12	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.46		
26 05 36 00-0539	EA	18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,176.64	307.14	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.07		
26 05 36 00-0540	EA	24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,299.91	354.87	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.42		
26 05 36 00-0541	EA	30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,396.27	384.16	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.61		
26 05 36 00-0542	EA	36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,574.48	418.74	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-122.55		
26 05 36 00-0543		<b>36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>			
26 05 36 00-0544	EA	6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,301.93	288.12	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-106.18		
26 05 36 00-0545	EA	9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,370.20	307.14	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-111.42		
26 05 36 00-0546	EA	12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,442.96	328.94	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.89		
26 05 36 00-0547	EA	18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,577.47	354.87	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-128.18		
26 05 36 00-0548	EA	24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,793.61	418.74	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-144.46		
26 05 36 00-0549	EA	30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,954.05	460.22	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-157.05		
26 05 36 00-0550	EA	36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,132.70	512.67	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-170.55		
26 05 36 00-0551		<b>12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-0002)</small>			
26 05 36 00-0552		<b>12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>			





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0553 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	234.29	96.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.40	
26 05 36 00-0554 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	262.51	109.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.11	
26 05 36 00-0555 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	288.77	121.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.77	
26 05 36 00-0556 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	360.22	148.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.63	
26 05 36 00-0557 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	410.97	170.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.87	
26 05 36 00-0558 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	486.44	192.09
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.64	
26 05 36 00-0559 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	560.32	219.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.74	
<b>26 05 36 00-0560 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small></b>		
26 05 36 00-0561 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	319.23	100.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.57	
26 05 36 00-0562 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	348.87	115.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.29	
26 05 36 00-0563 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	376.23	128.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.95	
26 05 36 00-0564 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	440.69	159.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.82	
26 05 36 00-0565 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	495.99	184.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.23	
26 05 36 00-0566 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	553.94	209.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.95	
26 05 36 00-0567 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	647.82	242.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.57	
<b>26 05 36 00-0568 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small></b>		
26 05 36 00-0569 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	343.15	104.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.59	
26 05 36 00-0570 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	379.95	121.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.90	
26 05 36 00-0571 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	412.30	135.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.93	
26 05 36 00-0572 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	497.64	170.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.54	
26 05 36 00-0573 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	568.18	200.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.12	
26 05 36 00-0574 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	665.25	230.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.32	
26 05 36 00-0575 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	758.18	270.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.25	
<b>26 05 36 00-0576 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small></b>		
26 05 36 00-0577 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	173.71	69.82
<i>For 60 Degree Bend, Deduct</i>	-30.57	
<i>For 30 Degree Bend, Deduct</i>	-54.83	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.56	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0578	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	199.24	83.74
			<i>For 60 Degree Bend, Deduct</i> .....	-33.66	
			<i>For 30 Degree Bend, Deduct</i> .....	-60.75	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-12.95	
26 05 36 00-0579	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	222.14	96.04
			<i>For 60 Degree Bend, Deduct</i> .....	-36.49	
			<i>For 30 Degree Bend, Deduct</i> .....	-66.15	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-14.21	
26 05 36 00-0580	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	267.86	121.40
			<i>For 60 Degree Bend, Deduct</i> .....	-41.87	
			<i>For 30 Degree Bend, Deduct</i> .....	-76.53	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-16.67	
26 05 36 00-0581	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	332.11	148.67
			<i>For 60 Degree Bend, Deduct</i> .....	-52.61	
			<i>For 30 Degree Bend, Deduct</i> .....	-95.94	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-20.82	
26 05 36 00-0582	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	392.23	170.67
			<i>For 60 Degree Bend, Deduct</i> .....	-64.01	
			<i>For 30 Degree Bend, Deduct</i> .....	-116.16	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-25.00	
26 05 36 00-0583	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	446.38	200.34
			<i>For 60 Degree Bend, Deduct</i> .....	-70.50	
			<i>For 30 Degree Bend, Deduct</i> .....	-128.63	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-27.94	
26 05 36 00-0584			<b>24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0585	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	192.60	72.03
			<i>For 60 Degree Bend, Deduct</i> .....	-35.96	
			<i>For 30 Degree Bend, Deduct</i> .....	-63.93	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-13.26	
26 05 36 00-0586	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	222.02	86.82
			<i>For 60 Degree Bend, Deduct</i> .....	-39.98	
			<i>For 30 Degree Bend, Deduct</i> .....	-71.46	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-14.97	
26 05 36 00-0587	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	253.76	100.27
			<i>For 60 Degree Bend, Deduct</i> .....	-45.31	
			<i>For 30 Degree Bend, Deduct</i> .....	-81.09	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-17.02	
26 05 36 00-0588	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	302.44	128.03
			<i>For 60 Degree Bend, Deduct</i> .....	-50.72	
			<i>For 30 Degree Bend, Deduct</i> .....	-91.64	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-19.57	
26 05 36 00-0589	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	372.76	159.04
			<i>For 60 Degree Bend, Deduct</i> .....	-62.06	
			<i>For 30 Degree Bend, Deduct</i> .....	-112.26	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-24.03	
26 05 36 00-0590	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	436.26	184.49
			<i>For 60 Degree Bend, Deduct</i> .....	-73.26	
			<i>For 30 Degree Bend, Deduct</i> .....	-132.34	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-28.25	
26 05 36 00-0591	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	513.58	219.64
			<i>For 60 Degree Bend, Deduct</i> .....	-85.30	
			<i>For 30 Degree Bend, Deduct</i> .....	-154.37	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-33.06	
26 05 36 00-0592			<b>36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0593	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	228.07	74.34
			<i>For 60 Degree Bend, Deduct</i> .....	-46.78	
			<i>For 30 Degree Bend, Deduct</i> .....	-82.10	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-16.62	
26 05 36 00-0594	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	260.53	90.28
			<i>For 60 Degree Bend, Deduct</i> .....	-51.37	
			<i>For 30 Degree Bend, Deduct</i> .....	-90.64	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-18.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0595 EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	287.06	104.78
<i>For 60 Degree Bend, Deduct</i>	-54.57	
<i>For 30 Degree Bend, Deduct</i>	-96.77	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.98	
26 05 36 00-0596 EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	347.89	135.61
<i>For 60 Degree Bend, Deduct</i>	-62.81	
<i>For 30 Degree Bend, Deduct</i>	-112.21	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.49	
26 05 36 00-0597 EA 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	413.31	170.67
<i>For 60 Degree Bend, Deduct</i>	-70.96	
<i>For 30 Degree Bend, Deduct</i>	-127.75	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.11	
26 05 36 00-0598 EA 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	500.25	200.34
<i>For 60 Degree Bend, Deduct</i>	-88.28	
<i>For 30 Degree Bend, Deduct</i>	-158.26	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.33	
26 05 36 00-0599 EA 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	589.26	242.51
<i>For 60 Degree Bend, Deduct</i>	-101.49	
<i>For 30 Degree Bend, Deduct</i>	-182.62	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.72	
<b>26 05 36 00-0600 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small></b>		
26 05 36 00-0601 EA 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	261.97	96.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.19	
26 05 36 00-0602 EA 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	287.11	109.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.57	
26 05 36 00-0603 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	309.85	121.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.88	
26 05 36 00-0604 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	360.22	148.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.63	
26 05 36 00-0605 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	401.60	170.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.94	
26 05 36 00-0606 EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	446.62	192.09
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.66	
26 05 36 00-0607 EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	496.62	219.26
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.39	
<b>26 05 36 00-0608 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small></b>		
26 05 36 00-0609 EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	311.03	100.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.75	
26 05 36 00-0610 EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	339.66	115.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.36	
26 05 36 00-0611 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	366.86	128.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.01	
26 05 36 00-0612 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	426.64	159.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.41	
26 05 36 00-0613 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	477.25	184.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.35	
26 05 36 00-0614 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	528.17	209.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.37	
26 05 36 00-0615 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	605.66	242.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.36	
<b>26 05 36 00-0616 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small></b>		
26 05 36 00-0617 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	368.92	104.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.17	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0618	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	403.55	121.30
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-30.25	
26 05 36 00-0619	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	429.87	135.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-31.68	
26 05 36 00-0620	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	504.67	170.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-36.24	
26 05 36 00-0621	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	556.47	200.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-38.95	
26 05 36 00-0622	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	637.14	230.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-44.51	
26 05 36 00-0623	EA		36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	720.70	270.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-49.50	
<b>26 05 36 00-0624</b>			<b>12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0625	EA		6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	459.31	184.49
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-30.56	
26 05 36 00-0626	EA		9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	497.15	200.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-33.02	
26 05 36 00-0627	EA		12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	521.26	209.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-34.68	
26 05 36 00-0628	EA		18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	581.38	230.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-38.93	
26 05 36 00-0629	EA		24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	657.69	255.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-44.45	
26 05 36 00-0630	EA		30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	728.73	271.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-50.26	
26 05 36 00-0631	EA		36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	824.77	307.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-56.88	
<b>26 05 36 00-0632</b>			<b>24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0633	EA		6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	571.96	200.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-40.50	
26 05 36 00-0634	EA		9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	615.36	219.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-43.24	
26 05 36 00-0635	EA		12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	642.58	230.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-45.05	
26 05 36 00-0636	EA		18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	705.29	255.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-49.21	
26 05 36 00-0637	EA		24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	783.96	288.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-54.39	
26 05 36 00-0638	EA		30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	842.91	307.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-58.69	
26 05 36 00-0639	EA		36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,015.29	354.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-71.96	
<b>26 05 36 00-0640</b>			<b>36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0641	EA		6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	721.91	219.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-53.89	
26 05 36 00-0642	EA		9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	773.71	242.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-57.16	
26 05 36 00-0643	EA		12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	820.90	255.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-60.77	
26 05 36 00-0644	EA		18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	904.10	288.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-66.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0645 EA 24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,026.48	328.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.24	
26 05 36 00-0646 EA 30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,112.77	354.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.71	
26 05 36 00-0647 EA 36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,257.88	418.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.89	
<b>26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0649 EA 6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	542.90	170.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.07	
26 05 36 00-0650 EA 9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	556.38	177.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.85	
26 05 36 00-0651 EA 12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	570.38	184.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.67	
26 05 36 00-0652 EA 18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	601.43	200.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.45	
26 05 36 00-0653 EA 24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	621.00	209.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.65	
26 05 36 00-0654 EA 30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	674.32	230.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.22	
26 05 36 00-0655 EA 36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	727.96	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.47	
<b>26 05 36 00-0656 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0657 EA 6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	774.40	184.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.07	
26 05 36 00-0658 EA 9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	793.90	192.09
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.38	
26 05 36 00-0659 EA 12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	814.51	200.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.75	
26 05 36 00-0660 EA 18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	860.18	219.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.72	
26 05 36 00-0661 EA 24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	891.93	230.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.99	
26 05 36 00-0662 EA 30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	947.85	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.46	
26 05 36 00-0663 EA 36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,024.24	288.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.41	
<b>26 05 36 00-0664 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0665 EA 6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,206.68	200.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.97	
26 05 36 00-0666 EA 9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,233.05	209.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.86	
26 05 36 00-0667 EA 12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,261.41	219.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.84	
26 05 36 00-0668 EA 18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,310.95	242.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.88	
26 05 36 00-0669 EA 24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,344.54	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.13	
26 05 36 00-0670 EA 30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,432.28	288.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-119.22	
26 05 36 00-0671 EA 36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,511.59	328.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-123.75	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 36 00-0672		<b>12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0673	EA	6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	572.31	230.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.02	
26 05 36 00-0674	EA	9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	601.43	242.51
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.93	
26 05 36 00-0675	EA	12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	641.82	255.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.86	
26 05 36 00-0676	EA	18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	687.92	271.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.18	
26 05 36 00-0677	EA	24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	774.90	307.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.89	
26 05 36 00-0678	EA	30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	863.27	328.94
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.92	
26 05 36 00-0679	EA	36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	942.75	354.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.71	
26 05 36 00-0680		<b>24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0681	EA	6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	791.43	255.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.82	
26 05 36 00-0682	EA	9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	828.47	271.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.24	
26 05 36 00-0683	EA	12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	867.83	288.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.77	
26 05 36 00-0684	EA	18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	924.52	307.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.85	
26 05 36 00-0685	EA	24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,031.16	354.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.55	
26 05 36 00-0686	EA	30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,109.52	384.16
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.94	
26 05 36 00-0687	EA	36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,242.01	418.74
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.30	
26 05 36 00-0688		<b>36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0689	EA	6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	990.24	288.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.01	
26 05 36 00-0690	EA	9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,044.66	307.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.87	
26 05 36 00-0691	EA	12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,103.56	328.94
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.95	
26 05 36 00-0692	EA	18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,203.44	354.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.77	
26 05 36 00-0693	EA	24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,378.02	418.74
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.90	
26 05 36 00-0694	EA	30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,503.83	460.22
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-112.03	
26 05 36 00-0695	EA	36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,647.85	512.67
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-122.06	
26 05 36 00-0696		<b>12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0697	EA	6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	656.98	230.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0698 EA 9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	690.31	242.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-48.81</i>	
26 05 36 00-0699 EA 12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	738.65	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-52.55</i>	
26 05 36 00-0700 EA 18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	794.18	271.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-56.80</i>	
26 05 36 00-0701 EA 24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	893.23	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-63.73</i>	
26 05 36 00-0702 EA 30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,005.31	329.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-73.11</i>	
26 05 36 00-0703 EA 36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,100.13	354.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-80.48</i>	
<b>26 05 36 00-0704 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small></b>		
26 05 36 00-0705 EA 6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	955.67	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-74.24</i>	
26 05 36 00-0706 EA 9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	997.80	271.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-77.17</i>	
26 05 36 00-0707 EA 12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,042.27	288.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-80.22</i>	
26 05 36 00-0708 EA 18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,110.17	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-85.42</i>	
26 05 36 00-0709 EA 24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,229.05	354.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-93.34</i>	
26 05 36 00-0710 EA 30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,320.67	384.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-100.05</i>	
26 05 36 00-0711 EA 36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,486.83	418.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-113.78</i>	
<b>26 05 36 00-0712 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small></b>		
26 05 36 00-0713 EA 6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,219.76	288.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-97.97</i>	
26 05 36 00-0714 EA 9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,284.38	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-102.84</i>	
26 05 36 00-0715 EA 12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,353.48	328.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-107.94</i>	
26 05 36 00-0716 EA 18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,478.86	354.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-118.32</i>	
26 05 36 00-0717 EA 24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,684.05	418.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-133.51</i>	
26 05 36 00-0718 EA 30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,835.35	460.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-145.18</i>	
26 05 36 00-0719 EA 36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,004.88	512.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-157.77</i>	
<b>26 05 36 00-0720 Dropout Or End Plates And Reducers <small>(26 05 36 00-0002)</small></b>		
<b>26 05 36 00-0721 Straight Reducers <small>(26 05 36 00-0720)</small></b>		
26 05 36 00-0722 EA 9"-6" Reducer, Steel Cable Tray.....	234.02	70.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-17.49</i>	
26 05 36 00-0723 EA 12"-9" Reducer, Steel Cable Tray.....	246.30	76.73
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-18.23</i>	
26 05 36 00-0724 EA 18"-12" Reducer, Steel Cable Tray.....	266.04	88.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-19.22</i>	
26 05 36 00-0725 EA 24"-18" Reducer, Steel Cable Tray.....	291.67	102.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-20.63</i>	
26 05 36 00-0726 EA 30"-24" Reducer, Steel Cable Tray.....	315.51	115.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-21.95</i>	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 36 Cable Trays for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0727 EA 36"-30" Reducer, Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	358.00 -24.83	131.67
<b>26 05 36 00-0728 Reducers</b> <small>(26 05 36 00-0720)</small>		
26 05 36 00-0729 EA 18"-6" Reducer, Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	271.17 -19.73	88.65
26 05 36 00-0730 EA 24"-12" Reducer, Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	296.96 -21.15	102.58
26 05 36 00-0731 EA 30"-12" Reducer, Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	325.42 -22.95	115.15
26 05 36 00-0732 EA 30"-18" Reducer, Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	330.31 -23.44	115.06
26 05 36 00-0733 EA 36"-12" Reducer, Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	360.52 -25.08	131.67
26 05 36 00-0734 EA 36"-18" Reducer, Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	371.33 -25.87	135.13
26 05 36 00-0735 EA 36"-24" Reducer, Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	383.55 -26.73	139.45
<b>26 05 36 00-0736 Dropout Or End Plate</b> <small>(26 05 36 00-0720)</small>		
26 05 36 00-0737 EA 6" Dropout Or End Plate, Steel Cable Tray.....	60.99	28.81
26 05 36 00-0738 EA 9" Dropout Or End Plate, Steel Cable Tray.....	70.08	32.94
26 05 36 00-0739 EA 12" Dropout Or End Plate, Steel Cable Tray.....	75.68	35.44
26 05 36 00-0740 EA 18" Dropout Or End Plate, Steel Cable Tray.....	89.33	41.88
26 05 36 00-0741 EA 24" Dropout Or End Plate, Steel Cable Tray.....	100.51	46.10
26 05 36 00-0742 EA 30" Dropout Or End Plate, Steel Cable Tray.....	111.33	51.19
26 05 36 00-0743 EA 36" Dropout Or End Plate, Steel Cable Tray.....	125.76	57.62
<b>26 05 36 00-0744 Ladder Bottom Aluminum Cable Tray</b> <small>(26 05 36 00-0001)</small> Note: 4-5/8" Height		
<b>26 05 36 00-0745 Straight Tray Sections</b> <small>(26 05 36 00-0744)</small>		
<b>26 05 36 00-0746 4" Rung Spacing</b> <small>(26 05 36 00-0745)</small>		
26 05 36 00-0747 LF 6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	71.20 9.56 -6.56 3.56	6.72
26 05 36 00-0748 LF 9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	75.28 10.11 -6.94 3.76	7.11
26 05 36 00-0749 LF 12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	79.34 10.67 -7.32 3.97	7.39
26 05 36 00-0750 LF 18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	88.10 11.86 -8.13 4.41	8.06
26 05 36 00-0751 LF 24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	101.49 13.79 -9.43 5.07	8.64
26 05 36 00-0752 LF 30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	111.24 15.16 -10.36 5.56	9.22
26 05 36 00-0753 LF 36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	119.89 16.35 -11.17 5.99	9.80
<b>26 05 36 00-0754 6" Rung Spacing</b> <small>(26 05 36 00-0745)</small>		
26 05 36 00-0755 LF 6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	65.75 8.74 -6.01 3.29	6.72
26 05 36 00-0756 LF 9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	69.51 9.25 -6.36 3.48	7.11
26 05 36 00-0757 LF 12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	73.25 9.75 -6.71 3.66	7.39
26 05 36 00-0758 LF 18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	81.32 10.85 -7.46 4.07	8.06





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0759 LF 24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section .....	93.56	8.64
<i>For Class 12C Instead Of Class 12B, Add</i>	12.60	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.64	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	4.68	
26 05 36 00-0760 LF 30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section .....	102.52	9.22
<i>For Class 12C Instead Of Class 12B, Add</i>	13.85	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.49	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.13	
26 05 36 00-0761 LF 36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section .....	110.48	9.80
<i>For Class 12C Instead Of Class 12B, Add</i>	14.94	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.23	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.52	
<b>26 05 36 00-0762 9" Rung Spacing</b> <small>(26 05 36 00-0745)</small>		
26 05 36 00-0763 LF 6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	58.63	6.44
<i>For Class 12C Instead Of Class 12B, Add</i>	7.72	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.32	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.93	
26 05 36 00-0764 LF 9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	59.36	6.72
<i>For Class 12C Instead Of Class 12B, Add</i>	7.78	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.37	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.97	
26 05 36 00-0765 LF 12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	63.64	7.11
<i>For Class 12C Instead Of Class 12B, Add</i>	8.37	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.77	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.18	
26 05 36 00-0766 LF 18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	67.95	7.59
<i>For Class 12C Instead Of Class 12B, Add</i>	8.93	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-6.16	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.40	
26 05 36 00-0767 LF 24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	76.91	7.87
<i>For Class 12C Instead Of Class 12B, Add</i>	10.23	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.04	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.85	
26 05 36 00-0768 LF 30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	85.15	8.45
<i>For Class 12C Instead Of Class 12B, Add</i>	11.36	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.81	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	4.26	
26 05 36 00-0769 LF 36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	90.37	9.22
<i>For Class 12C Instead Of Class 12B, Add</i>	12.02	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.27	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	4.52	
<b>26 05 36 00-0770 12" Rung Spacing</b> <small>(26 05 36 00-0745)</small>		
26 05 36 00-0771 LF 6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section .....	57.45	6.25
<i>For Class 12C Instead Of Class 12B, Add</i>	7.58	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.23	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.87	
26 05 36 00-0772 LF 9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section .....	58.10	6.44
<i>For Class 12C Instead Of Class 12B, Add</i>	7.64	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.27	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.91	
26 05 36 00-0773 LF 12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section .....	60.32	6.82
<i>For Class 12C Instead Of Class 12B, Add</i>	7.91	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.46	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.02	
26 05 36 00-0774 LF 18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section .....	63.92	7.20
<i>For Class 12C Instead Of Class 12B, Add</i>	8.38	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.79	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.20	
26 05 36 00-0775 LF 24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section .....	69.94	7.30
<i>For Class 12C Instead Of Class 12B, Add</i>	9.27	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-6.38	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.50	
26 05 36 00-0776 LF 30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section .....	75.08	8.06
<i>For Class 12C Instead Of Class 12B, Add</i>	9.92	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-6.84	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.75	
26 05 36 00-0777 LF 36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section .....	79.40	8.74
<i>For Class 12C Instead Of Class 12B, Add</i>	10.46	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.21	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.97	
<b>26 05 36 00-0778 18" Rung Spacing</b> <small>(26 05 36 00-0745)</small>		
26 05 36 00-0779 LF 6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section .....	56.90	6.05
<i>For Class 12C Instead Of Class 12B, Add</i>	7.52	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.18	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.85	
26 05 36 00-0780 LF 9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section .....	56.75	6.34
<i>For Class 12C Instead Of Class 12B, Add</i>	7.46	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.15	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.84	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0781 LF 12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section .....	59.85	6.53
For Class 12C Instead Of Class 12B, Add	7.88	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-5.44	
For 6" Overall Height Instead Of 4-5/8", Add	2.99	
26 05 36 00-0782 LF 18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section .....	63.07	6.92
For Class 12C Instead Of Class 12B, Add	8.31	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-5.73	
For 6" Overall Height Instead Of 4-5/8", Add	3.15	
26 05 36 00-0783 LF 24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section .....	67.24	7.01
For Class 12C Instead Of Class 12B, Add	8.92	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-6.14	
For 6" Overall Height Instead Of 4-5/8", Add	3.36	
26 05 36 00-0784 LF 30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section .....	70.16	7.68
For Class 12C Instead Of Class 12B, Add	9.25	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-6.38	
For 6" Overall Height Instead Of 4-5/8", Add	3.51	
26 05 36 00-0785 LF 36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section .....	74.04	8.35
For Class 12C Instead Of Class 12B, Add	9.71	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-6.71	
For 6" Overall Height Instead Of 4-5/8", Add	3.70	
<b>26 05 36 00-0786 4" Rung Tray Fittings (26 05 36 00-0744)</b>		
<b>26 05 36 00-0787 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0786)</b>		
26 05 36 00-0788 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	306.63	96.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.64	
For 6" Overall Height Instead Of 4-5/8", Add	15.33	
26 05 36 00-0789 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	332.70	109.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.13	
For 6" Overall Height Instead Of 4-5/8", Add	16.64	
26 05 36 00-0790 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	379.67	121.30
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.86	
For 6" Overall Height Instead Of 4-5/8", Add	18.98	
26 05 36 00-0791 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	447.55	148.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.37	
For 6" Overall Height Instead Of 4-5/8", Add	22.38	
26 05 36 00-0792 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	532.34	170.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.01	
For 6" Overall Height Instead Of 4-5/8", Add	26.62	
26 05 36 00-0793 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	582.79	192.09
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.27	
For 6" Overall Height Instead Of 4-5/8", Add	29.14	
26 05 36 00-0794 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	684.05	219.55
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.11	
For 6" Overall Height Instead Of 4-5/8", Add	34.20	
<b>26 05 36 00-0795 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0786)</b>		
26 05 36 00-0796 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	425.93	100.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.24	
For 6" Overall Height Instead Of 4-5/8", Add	21.30	
26 05 36 00-0797 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	461.99	115.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.60	
For 6" Overall Height Instead Of 4-5/8", Add	23.10	
26 05 36 00-0798 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	496.44	128.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.97	
For 6" Overall Height Instead Of 4-5/8", Add	24.82	
26 05 36 00-0799 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	572.07	159.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.96	
For 6" Overall Height Instead Of 4-5/8", Add	28.60	
26 05 36 00-0800 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	644.08	184.49
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.04	
For 6" Overall Height Instead Of 4-5/8", Add	32.20	
26 05 36 00-0801 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	717.08	209.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.26	
For 6" Overall Height Instead Of 4-5/8", Add	35.85	
26 05 36 00-0802 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	818.55	242.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.64	
For 6" Overall Height Instead Of 4-5/8", Add	40.93	
<b>26 05 36 00-0803 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0786)</b>		
26 05 36 00-0804 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	459.36	104.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.21	
For 6" Overall Height Instead Of 4-5/8", Add	22.97	
26 05 36 00-0805 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	494.19	121.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.32	
For 6" Overall Height Instead Of 4-5/8", Add	24.71	
26 05 36 00-0806 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	551.63	135.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.86	
For 6" Overall Height Instead Of 4-5/8", Add	27.58	
26 05 36 00-0807 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	650.73	170.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.85	
For 6" Overall Height Instead Of 4-5/8", Add	32.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0808 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	748.28	200.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.13	
For 6" Overall Height Instead Of 4-5/8", Add	37.41	
26 05 36 00-0809 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	839.20	230.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.71	
For 6" Overall Height Instead Of 4-5/8", Add	41.96	
26 05 36 00-0810 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	972.95	270.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-74.73	
For 6" Overall Height Instead Of 4-5/8", Add	48.65	
<b>26 05 36 00-0811 45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0812 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	212.51	69.82
For 60 Degree Bend, Deduct	-43.37	
For 30 Degree Bend, Deduct	-76.17	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.44	
For 6" Overall Height Instead Of 4-5/8", Add	10.63	
26 05 36 00-0813 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	239.40	83.74
For 60 Degree Bend, Deduct	-46.91	
For 30 Degree Bend, Deduct	-82.84	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.96	
For 6" Overall Height Instead Of 4-5/8", Add	11.97	
26 05 36 00-0814 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	263.66	96.04
For 60 Degree Bend, Deduct	-50.19	
For 30 Degree Bend, Deduct	-88.99	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.36	
For 6" Overall Height Instead Of 4-5/8", Add	13.18	
26 05 36 00-0815 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	324.35	121.40
For 60 Degree Bend, Deduct	-60.51	
For 30 Degree Bend, Deduct	-107.60	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.32	
For 6" Overall Height Instead Of 4-5/8", Add	16.22	
26 05 36 00-0816 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	399.46	148.67
For 60 Degree Bend, Deduct	-74.83	
For 30 Degree Bend, Deduct	-132.98	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.56	
For 6" Overall Height Instead Of 4-5/8", Add	19.97	
26 05 36 00-0817 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	458.36	170.67
For 60 Degree Bend, Deduct	-85.83	
For 30 Degree Bend, Deduct	-152.53	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.61	
For 6" Overall Height Instead Of 4-5/8", Add	22.92	
26 05 36 00-0818 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	515.21	200.34
For 60 Degree Bend, Deduct	-93.21	
For 30 Degree Bend, Deduct	-166.49	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.82	
For 6" Overall Height Instead Of 4-5/8", Add	25.76	
<b>26 05 36 00-0819 45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0820 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	249.47	72.03
For 60 Degree Bend, Deduct	-54.73	
For 30 Degree Bend, Deduct	-95.21	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.95	
For 6" Overall Height Instead Of 4-5/8", Add	12.47	
26 05 36 00-0821 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	289.00	86.82
For 60 Degree Bend, Deduct	-62.08	
For 30 Degree Bend, Deduct	-108.30	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.66	
For 6" Overall Height Instead Of 4-5/8", Add	14.45	
26 05 36 00-0822 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	315.07	100.27
For 60 Degree Bend, Deduct	-65.54	
For 30 Degree Bend, Deduct	-114.81	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.15	
For 6" Overall Height Instead Of 4-5/8", Add	15.75	
26 05 36 00-0823 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	372.51	128.03
For 60 Degree Bend, Deduct	-73.84	
For 30 Degree Bend, Deduct	-130.18	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.58	
For 6" Overall Height Instead Of 4-5/8", Add	18.63	
26 05 36 00-0824 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	449.98	159.04
For 60 Degree Bend, Deduct	-87.54	
For 30 Degree Bend, Deduct	-154.74	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.75	
For 6" Overall Height Instead Of 4-5/8", Add	22.50	
26 05 36 00-0825 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	529.40	184.49
For 60 Degree Bend, Deduct	-103.99	
For 30 Degree Bend, Deduct	-183.57	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.57	
For 6" Overall Height Instead Of 4-5/8", Add	26.47	
26 05 36 00-0826 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	599.08	219.64
For 60 Degree Bend, Deduct	-113.51	
For 30 Degree Bend, Deduct	-201.39	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.61	
For 6" Overall Height Instead Of 4-5/8", Add	29.95	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-0827 45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0828 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	297.71	74.34
For 60 Degree Bend, Deduct	-69.76	
For 30 Degree Bend, Deduct	-120.40	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.58	
For 6" Overall Height Instead Of 4-5/8", Add	14.89	
26 05 36 00-0829 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	328.01	90.28
For 60 Degree Bend, Deduct	-73.64	
For 30 Degree Bend, Deduct	-127.75	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.28	
For 6" Overall Height Instead Of 4-5/8", Add	16.40	
26 05 36 00-0830 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	355.89	104.78
For 60 Degree Bend, Deduct	-77.28	
For 30 Degree Bend, Deduct	-134.62	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.86	
For 6" Overall Height Instead Of 4-5/8", Add	17.79	
26 05 36 00-0831 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	425.85	135.61
For 60 Degree Bend, Deduct	-88.53	
For 30 Degree Bend, Deduct	-155.09	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.28	
For 6" Overall Height Instead Of 4-5/8", Add	21.29	
26 05 36 00-0832 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	528.65	170.67
For 60 Degree Bend, Deduct	-109.02	
For 30 Degree Bend, Deduct	-191.19	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.64	
For 6" Overall Height Instead Of 4-5/8", Add	26.43	
26 05 36 00-0833 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	592.90	200.34
For 60 Degree Bend, Deduct	-118.85	
For 30 Degree Bend, Deduct	-209.22	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.59	
For 6" Overall Height Instead Of 4-5/8", Add	29.65	
26 05 36 00-0834 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	689.07	242.51
For 60 Degree Bend, Deduct	-134.42	
For 30 Degree Bend, Deduct	-237.52	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.70	
For 6" Overall Height Instead Of 4-5/8", Add	34.45	
<b>26 05 36 00-0835 90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0836 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	341.74	96.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.17	
For 6" Overall Height Instead Of 4-5/8", Add	17.09	
26 05 36 00-0837 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	374.45	109.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.30	
For 6" Overall Height Instead Of 4-5/8", Add	18.72	
26 05 36 00-0838 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	396.98	121.30
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.59	
For 6" Overall Height Instead Of 4-5/8", Add	19.85	
26 05 36 00-0839 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	449.27	148.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.54	
For 6" Overall Height Instead Of 4-5/8", Add	22.46	
26 05 36 00-0840 EA 24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	495.88	170.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.36	
For 6" Overall Height Instead Of 4-5/8", Add	24.79	
26 05 36 00-0841 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	541.44	192.09
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.14	
For 6" Overall Height Instead Of 4-5/8", Add	27.07	
26 05 36 00-0842 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	593.36	219.26
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.06	
For 6" Overall Height Instead Of 4-5/8", Add	29.67	
<b>26 05 36 00-0843 90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0844 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	363.50	100.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.00	
For 6" Overall Height Instead Of 4-5/8", Add	18.18	
26 05 36 00-0845 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	396.88	115.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.08	
For 6" Overall Height Instead Of 4-5/8", Add	19.84	
26 05 36 00-0846 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	423.18	128.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.65	
For 6" Overall Height Instead Of 4-5/8", Add	21.16	
26 05 36 00-0847 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	486.32	159.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.38	
For 6" Overall Height Instead Of 4-5/8", Add	24.32	
26 05 36 00-0848 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	541.95	184.49
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.82	
For 6" Overall Height Instead Of 4-5/8", Add	27.10	
26 05 36 00-0849 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	596.71	209.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.22	
For 6" Overall Height Instead Of 4-5/8", Add	29.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0850 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	668.46 -46.64 33.42	242.51
<b>26 05 36 00-0851 90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0852 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	478.39 -39.11 23.92	104.68
26 05 36 00-0853 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	512.59 -41.15 25.63	121.30
26 05 36 00-0854 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	556.39 -44.34 27.82	135.61
26 05 36 00-0855 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	628.00 -48.58 31.40	170.67
26 05 36 00-0856 EA 24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	690.67 -52.37 34.53	200.34
26 05 36 00-0857 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	767.32 -57.52 38.37	230.50
26 05 36 00-0858 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	851.00 -62.53 42.55	270.84
<b>26 05 36 00-0859 12" Radius Horizontal Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0860 EA 6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	516.98 -36.33 25.85	184.49
26 05 36 00-0861 EA 9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	557.23 -39.03 27.86	200.34
26 05 36 00-0862 EA 12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	575.70 -40.12 28.79	209.37
26 05 36 00-0863 EA 18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	655.54 -46.35 32.78	230.50
26 05 36 00-0864 EA 24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	725.33 -51.21 36.27	255.85
26 05 36 00-0865 EA 30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	799.13 -57.30 39.96	271.32
26 05 36 00-0866 EA 36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	927.61 -67.16 46.38	307.14
<b>26 05 36 00-0867 24" Radius Horizontal Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0868 EA 6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	691.20 -52.42 34.56	200.34
26 05 36 00-0869 EA 9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	743.88 -56.09 37.19	219.64
26 05 36 00-0870 EA 12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	772.34 -58.03 38.62	230.50
26 05 36 00-0871 EA 18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	849.00 -63.58 42.45	255.85
26 05 36 00-0872 EA 24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	940.52 -70.04 47.03	288.12
26 05 36 00-0873 EA 30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,016.93 -76.10 50.85	307.14
26 05 36 00-0874 EA 36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,364.32 -106.86 68.22	354.87
<b>26 05 36 00-0875 36" Radius Horizontal Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0876 EA 6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	870.99 -68.80 43.55	219.64
26 05 36 00-0877 EA 9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	922.93 -72.08 46.15	242.51

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0878	EA		12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	993.28	255.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.00	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	49.66	
26 05 36 00-0879	EA		18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,077.93	288.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.78	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	53.90	
26 05 36 00-0880	EA		24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,207.74	328.94
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.37	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	60.39	
26 05 36 00-0881	EA		30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,426.15	354.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.05	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	71.31	
26 05 36 00-0882	EA		36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,625.48	418.74
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-127.65	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	81.27	
<b>26 05 36 00-0883</b>			<b>12" Radius Vertical Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0884	EA		6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	755.11	170.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.29	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.76	
26 05 36 00-0885	EA		9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	780.06	177.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.22	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.00	
26 05 36 00-0886	EA		12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	795.23	184.49
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.15	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.76	
26 05 36 00-0887	EA		18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	832.05	200.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.51	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.60	
26 05 36 00-0888	EA		24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	888.31	209.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.38	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.42	
26 05 36 00-0889	EA		30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	933.80	230.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.17	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.69	
26 05 36 00-0890	EA		36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	993.28	255.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.00	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	49.66	
<b>26 05 36 00-0891</b>			<b>24" Radius Vertical Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0892	EA		6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,104.40	184.49
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.07	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	55.22	
26 05 36 00-0893	EA		9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,127.41	192.09
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.73	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	56.37	
26 05 36 00-0894	EA		12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,151.52	200.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.46	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	57.58	
26 05 36 00-0895	EA		18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,207.64	219.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.46	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	60.38	
26 05 36 00-0896	EA		24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,246.40	230.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.43	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	62.32	
26 05 36 00-0897	EA		30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,309.32	255.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.61	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	65.47	
26 05 36 00-0898	EA		36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,442.06	288.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-120.20	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	72.10	
<b>26 05 36 00-0899</b>			<b>36" Radius Vertical Tee</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0900	EA		6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,850.08	200.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-168.31	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	92.50	
26 05 36 00-0901	EA		9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,884.80	209.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-171.03	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	94.24	
26 05 36 00-0902	EA		12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,921.51	219.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-173.85	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	96.08	
26 05 36 00-0903	EA		18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,979.43	242.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-177.73	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	98.97	
26 05 36 00-0904	EA		24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,021.38	255.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-180.81	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	101.07	
26 05 36 00-0905	EA		30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,134.16	288.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-189.41	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	106.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0906 EA 36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,221.82 -194.77 111.09	328.94
<b>26 05 36 00-0907 12" Radius Horizontal Crosses</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0908 EA 6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	676.15 -48.41 33.81	230.50
26 05 36 00-0909 EA 9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	727.12 -52.50 36.36	242.51
26 05 36 00-0910 EA 12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	752.82 -53.96 37.64	255.85
26 05 36 00-0911 EA 18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	847.22 -62.11 42.36	271.32
26 05 36 00-0912 EA 24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	920.74 -66.48 46.04	307.14
26 05 36 00-0913 EA 30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,029.11 -75.50 51.46	328.94
26 05 36 00-0914 EA 36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,192.55 -89.69 59.63	354.87
<b>26 05 36 00-0915 24" Radius Horizontal Crosses</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0916 EA 6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	986.41 -77.32 49.32	255.85
26 05 36 00-0917 EA 9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,029.29 -80.32 51.46	271.32
26 05 36 00-0918 EA 12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,074.49 -83.44 53.72	288.12
26 05 36 00-0919 EA 18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,137.16 -88.12 56.86	307.14
26 05 36 00-0920 EA 24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,271.56 -97.59 63.58	354.87
26 05 36 00-0921 EA 30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,334.44 -101.43 66.72	384.16
26 05 36 00-0922 EA 36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,480.54 -113.16 74.03	418.74
<b>26 05 36 00-0923 36" Radius Horizontal Crosses</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0924 EA 6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,139.76 -89.97 56.99	288.12
26 05 36 00-0925 EA 9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,166.82 -91.08 58.34	307.14
26 05 36 00-0926 EA 12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,242.34 -96.83 62.12	328.94
26 05 36 00-0927 EA 18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,367.75 -107.21 68.39	354.87
26 05 36 00-0928 EA 24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,659.83 -131.08 82.99	418.74
26 05 36 00-0929 EA 30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,832.02 -144.85 91.60	460.22
26 05 36 00-0930 EA 36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,039.60 -161.24 101.98	512.67
<b>26 05 36 00-0931 12" Radius Vertical Cross</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0932 EA 6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	676.15 -48.41 33.81	230.50
26 05 36 00-0933 EA 9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	727.26 -52.51 36.36	242.60

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0934 EA 12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	752.74	255.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.95	
For 6" Overall Height Instead Of 4-5/8", Add	37.64	
26 05 36 00-0935 EA 18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	847.39	271.41
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.12	
For 6" Overall Height Instead Of 4-5/8", Add	42.37	
26 05 36 00-0936 EA 24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	920.74	307.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.48	
For 6" Overall Height Instead Of 4-5/8", Add	46.04	
26 05 36 00-0937 EA 30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,029.36	329.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.51	
For 6" Overall Height Instead Of 4-5/8", Add	51.47	
26 05 36 00-0938 EA 36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,191.82	354.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-89.65	
For 6" Overall Height Instead Of 4-5/8", Add	59.59	
<b>26 05 36 00-0939 24" Radius Vertical Crosses (26 05 36 00-0786)</b>		
26 05 36 00-0940 EA 6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	986.41	255.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-77.32	
For 6" Overall Height Instead Of 4-5/8", Add	49.32	
26 05 36 00-0941 EA 9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,029.29	271.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-80.32	
For 6" Overall Height Instead Of 4-5/8", Add	51.46	
26 05 36 00-0942 EA 12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,074.49	288.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-83.44	
For 6" Overall Height Instead Of 4-5/8", Add	53.72	
26 05 36 00-0943 EA 18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,137.16	307.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-88.12	
For 6" Overall Height Instead Of 4-5/8", Add	56.86	
26 05 36 00-0944 EA 24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,271.56	354.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-97.59	
For 6" Overall Height Instead Of 4-5/8", Add	63.58	
26 05 36 00-0945 EA 30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,368.55	384.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-104.84	
For 6" Overall Height Instead Of 4-5/8", Add	68.43	
26 05 36 00-0946 EA 36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,518.99	418.74
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-117.00	
For 6" Overall Height Instead Of 4-5/8", Add	75.95	
<b>26 05 36 00-0947 36" Radius Vertical Crosses (26 05 36 00-0786)</b>		
26 05 36 00-0948 EA 6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,436.57	288.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-119.65	
For 6" Overall Height Instead Of 4-5/8", Add	71.83	
26 05 36 00-0949 EA 9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,508.17	307.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-125.22	
For 6" Overall Height Instead Of 4-5/8", Add	75.41	
26 05 36 00-0950 EA 12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,604.17	328.94
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-133.01	
For 6" Overall Height Instead Of 4-5/8", Add	80.21	
26 05 36 00-0951 EA 18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,717.11	354.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-142.14	
For 6" Overall Height Instead Of 4-5/8", Add	85.86	
26 05 36 00-0952 EA 24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,092.67	418.74
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-174.37	
For 6" Overall Height Instead Of 4-5/8", Add	104.63	
26 05 36 00-0953 EA 30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,311.23	460.22
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-192.77	
For 6" Overall Height Instead Of 4-5/8", Add	115.56	
26 05 36 00-0954 EA 36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,572.92	512.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-214.57	
For 6" Overall Height Instead Of 4-5/8", Add	128.65	
<b>26 05 36 00-0955 6" Rung Tray Fittings (26 05 36 00-0744)</b>		
<b>26 05 36 00-0956 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0955)</b>		
26 05 36 00-0957 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	285.75	96.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.55	
For 6" Overall Height Instead Of 4-5/8", Add	14.29	
26 05 36 00-0958 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	311.29	109.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.99	
For 6" Overall Height Instead Of 4-5/8", Add	15.56	
26 05 36 00-0959 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	354.31	121.30
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.33	
For 6" Overall Height Instead Of 4-5/8", Add	17.72	
26 05 36 00-0960 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	419.01	148.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.51	
For 6" Overall Height Instead Of 4-5/8", Add	20.95	
26 05 36 00-0961 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	496.94	170.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.47	
For 6" Overall Height Instead Of 4-5/8", Add	24.85	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0962 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	545.27	192.09
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.52	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.26	
26 05 36 00-0963 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	638.60	219.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.57	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.93	
<b>26 05 36 00-0964 90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-0965 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	388.94	100.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.55	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.45	
26 05 36 00-0966 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	423.41	115.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.74	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.17	
26 05 36 00-0967 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	456.01	128.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.93	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.80	
26 05 36 00-0968 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	528.20	159.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.57	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.41	
26 05 36 00-0969 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	595.99	184.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.23	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.80	
26 05 36 00-0970 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	664.49	209.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.00	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.22	
26 05 36 00-0971 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	759.36	242.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.73	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.97	
<b>26 05 36 00-0972 90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-0973 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	418.67	104.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.14	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.93	
26 05 36 00-0974 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	452.44	121.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.15	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.62	
26 05 36 00-0975 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	505.13	135.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.21	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.26	
26 05 36 00-0976 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	598.41	170.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.62	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.92	
26 05 36 00-0977 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	689.09	200.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.21	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.45	
26 05 36 00-0978 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	774.19	230.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.21	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.71	
26 05 36 00-0979 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	898.43	270.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.28	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.92	
<b>26 05 36 00-0980 45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-0981 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	198.77	69.82
<i>For 60 Degree Bend, Deduct</i>	-38.84	
<i>For 30 Degree Bend, Deduct</i>	-68.61	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.06	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.94	
26 05 36 00-0982 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	225.13	83.74
<i>For 60 Degree Bend, Deduct</i>	-42.21	
<i>For 30 Degree Bend, Deduct</i>	-74.99	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.54	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.26	
26 05 36 00-0983 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	248.86	96.04
<i>For 60 Degree Bend, Deduct</i>	-45.31	
<i>For 30 Degree Bend, Deduct</i>	-80.85	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.88	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.44	
26 05 36 00-0984 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	306.91	121.40
<i>For 60 Degree Bend, Deduct</i>	-54.76	
<i>For 30 Degree Bend, Deduct</i>	-98.01	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.58	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.35	
26 05 36 00-0985 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	377.79	148.67
<i>For 60 Degree Bend, Deduct</i>	-67.68	
<i>For 30 Degree Bend, Deduct</i>	-121.06	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.39	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.89	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0986	EA		30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	433.52	170.67
			<i>For 60 Degree Bend, Deduct</i>	-77.63	
			<i>For 30 Degree Bend, Deduct</i>	-138.87	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.13	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.68	
26 05 36 00-0987	EA		36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	489.32	200.34
			<i>For 60 Degree Bend, Deduct</i>	-84.67	
			<i>For 30 Degree Bend, Deduct</i>	-152.25	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.24	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.47	
<b>26 05 36 00-0988</b>			<b>45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0985)</small></b>		
26 05 36 00-0989	EA		6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	230.97	72.03
			<i>For 60 Degree Bend, Deduct</i>	-48.62	
			<i>For 30 Degree Bend, Deduct</i>	-85.04	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.10	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.55	
26 05 36 00-0990	EA		9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	268.39	86.82
			<i>For 60 Degree Bend, Deduct</i>	-55.28	
			<i>For 30 Degree Bend, Deduct</i>	-96.96	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.60	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.42	
26 05 36 00-0991	EA		12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	293.93	100.27
			<i>For 60 Degree Bend, Deduct</i>	-58.57	
			<i>For 30 Degree Bend, Deduct</i>	-103.18	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.04	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.70	
26 05 36 00-0992	EA		18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	349.78	128.03
			<i>For 60 Degree Bend, Deduct</i>	-66.34	
			<i>For 30 Degree Bend, Deduct</i>	-117.68	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.31	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.49	
26 05 36 00-0993	EA		24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	423.56	159.04
			<i>For 60 Degree Bend, Deduct</i>	-78.82	
			<i>For 30 Degree Bend, Deduct</i>	-140.20	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.18	
26 05 36 00-0994	EA		30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	497.69	184.49
			<i>For 60 Degree Bend, Deduct</i>	-93.53	
			<i>For 30 Degree Bend, Deduct</i>	-166.13	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.40	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.88	
26 05 36 00-0995	EA		36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	565.78	219.64
			<i>For 60 Degree Bend, Deduct</i>	-102.53	
			<i>For 30 Degree Bend, Deduct</i>	-183.08	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.28	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.29	
<b>26 05 36 00-0996</b>			<b>45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0985)</small></b>		
26 05 36 00-0997	EA		6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	272.87	74.34
			<i>For 60 Degree Bend, Deduct</i>	-61.57	
			<i>For 30 Degree Bend, Deduct</i>	-106.74	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.10	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.64	
26 05 36 00-0998	EA		9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	302.65	90.28
			<i>For 60 Degree Bend, Deduct</i>	-65.27	
			<i>For 30 Degree Bend, Deduct</i>	-113.80	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.74	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.13	
26 05 36 00-0999	EA		12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	330.00	104.78
			<i>For 60 Degree Bend, Deduct</i>	-68.74	
			<i>For 30 Degree Bend, Deduct</i>	-120.38	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.27	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.50	
26 05 36 00-1000	EA		18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	397.31	135.61
			<i>For 60 Degree Bend, Deduct</i>	-79.11	
			<i>For 30 Degree Bend, Deduct</i>	-139.39	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.43	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.87	
26 05 36 00-1001	EA		24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	493.76	170.67
			<i>For 60 Degree Bend, Deduct</i>	-97.51	
			<i>For 30 Degree Bend, Deduct</i>	-172.00	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.15	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.69	
26 05 36 00-1002	EA		30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	555.91	200.34
			<i>For 60 Degree Bend, Deduct</i>	-106.64	
			<i>For 30 Degree Bend, Deduct</i>	-188.87	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.89	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.80	
26 05 36 00-1003	EA		36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	648.38	242.51
			<i>For 60 Degree Bend, Deduct</i>	-121.00	
			<i>For 30 Degree Bend, Deduct</i>	-215.14	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.63	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-1004</b> <b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1005    EA    6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	327.21	96.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.72	
For 6" Overall Height Instead Of 4-5/8", Add	16.36	
26 05 36 00-1006    EA    9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	359.12	109.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.77	
For 6" Overall Height Instead Of 4-5/8", Add	17.96	
26 05 36 00-1007    EA    12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	381.39	121.30
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.03	
For 6" Overall Height Instead Of 4-5/8", Add	19.07	
26 05 36 00-1008    EA    18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	433.15	148.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.93	
For 6" Overall Height Instead Of 4-5/8", Add	21.66	
26 05 36 00-1009    EA    24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	478.97	170.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.67	
For 6" Overall Height Instead Of 4-5/8", Add	23.95	
26 05 36 00-1010    EA    30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	523.73	192.09
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.37	
For 6" Overall Height Instead Of 4-5/8", Add	26.19	
26 05 36 00-1011    EA    36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	575.13	219.26
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.24	
For 6" Overall Height Instead Of 4-5/8", Add	28.76	
<b>26 05 36 00-1012</b> <b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1013    EA    6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	347.78	100.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.43	
For 6" Overall Height Instead Of 4-5/8", Add	17.39	
26 05 36 00-1014    EA    9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	380.50	115.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.45	
For 6" Overall Height Instead Of 4-5/8", Add	19.03	
26 05 36 00-1015    EA    12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	406.40	128.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.97	
For 6" Overall Height Instead Of 4-5/8", Add	20.32	
26 05 36 00-1016    EA    18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	468.61	159.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.61	
For 6" Overall Height Instead Of 4-5/8", Add	23.43	
26 05 36 00-1017    EA    24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	523.19	184.49
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.95	
For 6" Overall Height Instead Of 4-5/8", Add	26.16	
26 05 36 00-1018    EA    30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	576.89	209.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.24	
For 6" Overall Height Instead Of 4-5/8", Add	28.84	
26 05 36 00-1019    EA    36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	647.32	242.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.52	
For 6" Overall Height Instead Of 4-5/8", Add	32.37	
<b>26 05 36 00-1020</b> <b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1021    EA    6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	454.07	104.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.68	
For 6" Overall Height Instead Of 4-5/8", Add	22.70	
26 05 36 00-1022    EA    9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	487.75	121.30
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.67	
For 6" Overall Height Instead Of 4-5/8", Add	24.39	
26 05 36 00-1023    EA    12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	529.97	135.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.69	
For 6" Overall Height Instead Of 4-5/8", Add	26.50	
26 05 36 00-1024    EA    18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	600.52	170.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.83	
For 6" Overall Height Instead Of 4-5/8", Add	30.03	
26 05 36 00-1025    EA    24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	662.14	200.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.52	
For 6" Overall Height Instead Of 4-5/8", Add	33.11	
26 05 36 00-1026    EA    30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	736.67	230.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.46	
For 6" Overall Height Instead Of 4-5/8", Add	36.83	
26 05 36 00-1027    EA    36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	819.02	270.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.34	
For 6" Overall Height Instead Of 4-5/8", Add	40.95	
<b>26 05 36 00-1028</b> <b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1029    EA    6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	500.86	184.49
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.71	
For 6" Overall Height Instead Of 4-5/8", Add	25.04	
26 05 36 00-1030    EA    9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	540.05	200.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.31	
For 6" Overall Height Instead Of 4-5/8", Add	27.00	
26 05 36 00-1031    EA    12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	558.26	209.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.38	
For 6" Overall Height Instead Of 4-5/8", Add	27.91	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1032 EA 18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	634.67	230.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.26	
For 6" Overall Height Instead Of 4-5/8", Add	31.73	
26 05 36 00-1033 EA 24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	702.34	255.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.91	
For 6" Overall Height Instead Of 4-5/8", Add	35.12	
26 05 36 00-1034 EA 30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	772.44	271.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.64	
For 6" Overall Height Instead Of 4-5/8", Add	38.62	
26 05 36 00-1035 EA 36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	895.64	307.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.97	
For 6" Overall Height Instead Of 4-5/8", Add	44.78	
<b>26 05 36 00-1036 24" Radius Horizontal Tees (26 05 36 00-0955)</b>		
26 05 36 00-1037 EA 6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	663.72	200.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.68	
For 6" Overall Height Instead Of 4-5/8", Add	33.19	
26 05 36 00-1038 EA 9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	714.82	219.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.18	
For 6" Overall Height Instead Of 4-5/8", Add	35.74	
26 05 36 00-1039 EA 12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	742.48	230.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.04	
For 6" Overall Height Instead Of 4-5/8", Add	37.12	
26 05 36 00-1040 EA 18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	816.50	255.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.33	
For 6" Overall Height Instead Of 4-5/8", Add	40.83	
26 05 36 00-1041 EA 24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	905.11	288.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.50	
For 6" Overall Height Instead Of 4-5/8", Add	45.26	
26 05 36 00-1042 EA 30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	978.08	307.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-72.21	
For 6" Overall Height Instead Of 4-5/8", Add	48.90	
26 05 36 00-1043 EA 36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,304.86	354.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-100.92	
For 6" Overall Height Instead Of 4-5/8", Add	65.24	
<b>26 05 36 00-1044 36" Radius Horizontal Tees (26 05 36 00-0955)</b>		
26 05 36 00-1045 EA 6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	832.14	219.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.91	
For 6" Overall Height Instead Of 4-5/8", Add	41.61	
26 05 36 00-1046 EA 9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	883.03	242.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.09	
For 6" Overall Height Instead Of 4-5/8", Add	44.15	
26 05 36 00-1047 EA 12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	949.68	255.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.64	
For 6" Overall Height Instead Of 4-5/8", Add	47.48	
26 05 36 00-1048 EA 18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,031.95	288.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-79.19	
For 6" Overall Height Instead Of 4-5/8", Add	51.60	
26 05 36 00-1049 EA 24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,157.01	328.94
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-88.29	
For 6" Overall Height Instead Of 4-5/8", Add	57.85	
26 05 36 00-1050 EA 30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,361.94	354.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-106.62	
For 6" Overall Height Instead Of 4-5/8", Add	68.10	
26 05 36 00-1051 EA 36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,554.13	418.74
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-120.51	
For 6" Overall Height Instead Of 4-5/8", Add	77.71	
<b>26 05 36 00-1052 12" Radius Vertical Tees (26 05 36 00-0955)</b>		
26 05 36 00-1053 EA 6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	718.90	170.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.67	
For 6" Overall Height Instead Of 4-5/8", Add	35.95	
26 05 36 00-1054 EA 9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	742.80	177.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.50	
For 6" Overall Height Instead Of 4-5/8", Add	37.14	
26 05 36 00-1055 EA 12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	757.71	184.49
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.40	
For 6" Overall Height Instead Of 4-5/8", Add	37.89	
26 05 36 00-1056 EA 18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	793.73	200.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.68	
For 6" Overall Height Instead Of 4-5/8", Add	39.69	
26 05 36 00-1057 EA 24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	846.82	209.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.23	
For 6" Overall Height Instead Of 4-5/8", Add	42.34	
26 05 36 00-1058 EA 30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	891.52	230.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-69.94	
For 6" Overall Height Instead Of 4-5/8", Add	44.58	
26 05 36 00-1059 EA 36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	949.68	255.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.64	
For 6" Overall Height Instead Of 4-5/8", Add	47.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-1060</b> <b>24" Radius Vertical Tees</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1061    EA    6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,043.10	184.49
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-88.94	
For 6" Overall Height Instead Of 4-5/8", Add	52.16	
26 05 36 00-1062    EA    9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,065.31	192.09
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-90.52	
For 6" Overall Height Instead Of 4-5/8", Add	53.27	
26 05 36 00-1063    EA    12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,088.63	200.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-92.17	
For 6" Overall Height Instead Of 4-5/8", Add	54.43	
26 05 36 00-1064    EA    18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,142.90	219.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-95.99	
For 6" Overall Height Instead Of 4-5/8", Add	57.15	
26 05 36 00-1065    EA    24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,180.08	230.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-98.80	
For 6" Overall Height Instead Of 4-5/8", Add	59.00	
26 05 36 00-1066    EA    30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,241.41	255.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-102.82	
For 6" Overall Height Instead Of 4-5/8", Add	62.07	
26 05 36 00-1067    EA    36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,368.07	288.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-112.80	
For 6" Overall Height Instead Of 4-5/8", Add	68.40	
<b>26 05 36 00-1068</b> <b>36" Radius Vertical Tees</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1069    EA    6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,733.45	200.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-156.65	
For 6" Overall Height Instead Of 4-5/8", Add	86.67	
26 05 36 00-1070    EA    9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,766.66	209.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-159.22	
For 6" Overall Height Instead Of 4-5/8", Add	88.33	
26 05 36 00-1071    EA    12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,801.86	219.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-161.89	
For 6" Overall Height Instead Of 4-5/8", Add	90.09	
26 05 36 00-1072    EA    18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,858.26	242.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-165.62	
For 6" Overall Height Instead Of 4-5/8", Add	92.91	
26 05 36 00-1073    EA    24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,898.69	255.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-168.55	
For 6" Overall Height Instead Of 4-5/8", Add	94.93	
26 05 36 00-1074    EA    30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,006.93	288.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-176.68	
For 6" Overall Height Instead Of 4-5/8", Add	100.35	
26 05 36 00-1075    EA    36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,093.08	328.94
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-181.90	
For 6" Overall Height Instead Of 4-5/8", Add	104.65	
<b>26 05 36 00-1076</b> <b>12" Radius Horizontal Crosses</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1077    EA    6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	653.69	230.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.16	
For 6" Overall Height Instead Of 4-5/8", Add	32.68	
26 05 36 00-1078    EA    9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	702.28	242.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.02	
For 6" Overall Height Instead Of 4-5/8", Add	35.11	
26 05 36 00-1079    EA    12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	727.71	255.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.45	
For 6" Overall Height Instead Of 4-5/8", Add	36.39	
26 05 36 00-1080    EA    18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	816.83	271.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.07	
For 6" Overall Height Instead Of 4-5/8", Add	40.84	
26 05 36 00-1081    EA    24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	889.30	307.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.33	
For 6" Overall Height Instead Of 4-5/8", Add	44.47	
26 05 36 00-1082    EA    30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	992.12	328.94
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.80	
For 6" Overall Height Instead Of 4-5/8", Add	49.61	
26 05 36 00-1083    EA    36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,146.31	354.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.06	
For 6" Overall Height Instead Of 4-5/8", Add	57.32	
<b>26 05 36 00-1084</b> <b>24" Radius Horizontal Crosses</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1085    EA    6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	943.34	255.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.01	
For 6" Overall Height Instead Of 4-5/8", Add	47.17	
26 05 36 00-1086    EA    9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	984.89	271.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.88	
For 6" Overall Height Instead Of 4-5/8", Add	49.24	
26 05 36 00-1087    EA    12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,028.78	288.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-78.87	
For 6" Overall Height Instead Of 4-5/8", Add	51.44	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1088 EA 18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,089.07	307.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-83.31	
For 6" Overall Height Instead Of 4-5/8", Add	54.45	
26 05 36 00-1089 EA 24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,219.24	354.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-92.35	
For 6" Overall Height Instead Of 4-5/8", Add	60.96	
26 05 36 00-1090 EA 30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,312.53	384.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-99.24	
For 6" Overall Height Instead Of 4-5/8", Add	65.63	
26 05 36 00-1091 EA 36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,455.83	418.74
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-110.68	
For 6" Overall Height Instead Of 4-5/8", Add	72.79	
<b>26 05 36 00-1092 36" Radius Horizontal Crosses (26 05 36 00-0955)</b>		
26 05 36 00-1093 EA 6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,089.03	288.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-84.89	
For 6" Overall Height Instead Of 4-5/8", Add	54.45	
26 05 36 00-1094 EA 9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,146.15	307.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-89.02	
For 6" Overall Height Instead Of 4-5/8", Add	57.31	
26 05 36 00-1095 EA 12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,220.43	328.94
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-94.63	
For 6" Overall Height Instead Of 4-5/8", Add	61.02	
26 05 36 00-1096 EA 18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,308.03	354.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-101.23	
For 6" Overall Height Instead Of 4-5/8", Add	65.40	
26 05 36 00-1097 EA 24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,585.84	418.74
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-123.69	
For 6" Overall Height Instead Of 4-5/8", Add	79.29	
26 05 36 00-1098 EA 30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,750.10	460.22
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-136.66	
For 6" Overall Height Instead Of 4-5/8", Add	87.51	
26 05 36 00-1099 EA 36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,948.44	512.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-152.12	
For 6" Overall Height Instead Of 4-5/8", Add	97.42	
<b>26 05 36 00-1100 12" Radius Vertical Crosses (26 05 36 00-0955)</b>		
26 05 36 00-1101 EA 6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	653.69	230.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.16	
For 6" Overall Height Instead Of 4-5/8", Add	32.68	
26 05 36 00-1102 EA 9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	702.42	242.60
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.02	
For 6" Overall Height Instead Of 4-5/8", Add	35.12	
26 05 36 00-1103 EA 12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	727.63	255.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.44	
For 6" Overall Height Instead Of 4-5/8", Add	36.38	
26 05 36 00-1104 EA 18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	817.00	271.41
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.08	
For 6" Overall Height Instead Of 4-5/8", Add	40.85	
26 05 36 00-1105 EA 24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	889.30	307.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.33	
For 6" Overall Height Instead Of 4-5/8", Add	44.47	
26 05 36 00-1106 EA 30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	992.37	329.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.82	
For 6" Overall Height Instead Of 4-5/8", Add	49.62	
26 05 36 00-1107 EA 36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,145.58	354.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.03	
For 6" Overall Height Instead Of 4-5/8", Add	57.28	
<b>26 05 36 00-1108 24" Radius Vertical Crosses (26 05 36 00-0955)</b>		
26 05 36 00-1109 EA 6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	943.34	255.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.01	
For 6" Overall Height Instead Of 4-5/8", Add	47.17	
26 05 36 00-1110 EA 9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	984.89	271.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.88	
For 6" Overall Height Instead Of 4-5/8", Add	49.24	
26 05 36 00-1111 EA 12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,028.78	288.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-78.87	
For 6" Overall Height Instead Of 4-5/8", Add	51.44	
26 05 36 00-1112 EA 18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,089.07	307.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-83.31	
For 6" Overall Height Instead Of 4-5/8", Add	54.45	
26 05 36 00-1113 EA 24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,219.24	354.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-92.35	
For 6" Overall Height Instead Of 4-5/8", Add	60.96	
26 05 36 00-1114 EA 30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,312.53	384.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-99.24	
For 6" Overall Height Instead Of 4-5/8", Add	65.63	
26 05 36 00-1115 EA 36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,455.83	418.74
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-110.68	
For 6" Overall Height Instead Of 4-5/8", Add	72.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-1116</b> <b>36" Radius Vertical Crosses</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1117    EA    6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,363.00	288.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-112.29	
For 6" Overall Height Instead Of 4-5/8", Add	68.15	
26 05 36 00-1118    EA    9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,431.53	307.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-117.56	
For 6" Overall Height Instead Of 4-5/8", Add	71.58	
26 05 36 00-1119    EA    12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,522.94	328.94
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-124.89	
For 6" Overall Height Instead Of 4-5/8", Add	76.15	
26 05 36 00-1120    EA    18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,630.52	354.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-133.48	
For 6" Overall Height Instead Of 4-5/8", Add	81.53	
26 05 36 00-1121    EA    24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,985.39	418.74
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-163.64	
For 6" Overall Height Instead Of 4-5/8", Add	99.27	
26 05 36 00-1122    EA    30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,192.45	460.22
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-180.89	
For 6" Overall Height Instead Of 4-5/8", Add	109.62	
26 05 36 00-1123    EA    36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,440.73	512.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-201.35	
For 6" Overall Height Instead Of 4-5/8", Add	122.04	
<b>26 05 36 00-1124</b> <b>9" Rung Tray Fittings</b> <small>(26 05 36 00-0744)</small>		
<b>26 05 36 00-1125</b> <b>90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1126    EA    6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	264.88	96.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.46	
For 6" Overall Height Instead Of 4-5/8", Add	13.24	
26 05 36 00-1127    EA    9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	289.89	109.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.85	
For 6" Overall Height Instead Of 4-5/8", Add	14.49	
26 05 36 00-1128    EA    12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	328.94	121.30
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.79	
For 6" Overall Height Instead Of 4-5/8", Add	16.45	
26 05 36 00-1129    EA    18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	390.47	148.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.66	
For 6" Overall Height Instead Of 4-5/8", Add	19.52	
26 05 36 00-1130    EA    24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	461.53	170.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.93	
For 6" Overall Height Instead Of 4-5/8", Add	23.08	
26 05 36 00-1131    EA    30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	507.75	192.09
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.77	
For 6" Overall Height Instead Of 4-5/8", Add	25.39	
26 05 36 00-1132    EA    36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	593.15	219.55
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.02	
For 6" Overall Height Instead Of 4-5/8", Add	29.66	
<b>26 05 36 00-1133</b> <b>90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1134    EA    6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	351.94	100.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.85	
For 6" Overall Height Instead Of 4-5/8", Add	17.60	
26 05 36 00-1135    EA    9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	384.83	115.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.89	
For 6" Overall Height Instead Of 4-5/8", Add	19.24	
26 05 36 00-1136    EA    12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	415.58	128.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.89	
For 6" Overall Height Instead Of 4-5/8", Add	20.78	
26 05 36 00-1137    EA    18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	484.34	159.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.18	
For 6" Overall Height Instead Of 4-5/8", Add	24.22	
26 05 36 00-1138    EA    24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	547.90	184.49
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.42	
For 6" Overall Height Instead Of 4-5/8", Add	27.40	
26 05 36 00-1139    EA    30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	611.91	209.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.74	
For 6" Overall Height Instead Of 4-5/8", Add	30.60	
26 05 36 00-1140    EA    36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	700.17	242.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.81	
For 6" Overall Height Instead Of 4-5/8", Add	35.01	
<b>26 05 36 00-1141</b> <b>90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1142    EA    6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	377.97	104.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.07	
For 6" Overall Height Instead Of 4-5/8", Add	18.90	
26 05 36 00-1143    EA    9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	410.69	121.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.97	
For 6" Overall Height Instead Of 4-5/8", Add	20.53	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1144	EA		12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	458.62	135.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.56	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.93	
26 05 36 00-1145	EA		18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	546.09	170.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.39	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.30	
26 05 36 00-1146	EA		24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	629.90	200.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.29	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.50	
26 05 36 00-1147	EA		30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	709.18	230.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.71	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.46	
26 05 36 00-1148	EA		36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	823.91	270.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.83	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.20	
<b>26 05 36 00-1149</b>			<b>45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small></b>		
26 05 36 00-1150	EA		6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	185.02	69.82
			<i>For 60 Degree Bend, Deduct</i>	-34.30	
			<i>For 30 Degree Bend, Deduct</i>	-61.05	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.69	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.25	
26 05 36 00-1151	EA		9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	210.86	83.74
			<i>For 60 Degree Bend, Deduct</i>	-37.50	
			<i>For 30 Degree Bend, Deduct</i>	-67.14	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.54	
26 05 36 00-1152	EA		12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	234.06	96.04
			<i>For 60 Degree Bend, Deduct</i>	-40.42	
			<i>For 30 Degree Bend, Deduct</i>	-72.71	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.40	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.70	
26 05 36 00-1153	EA		18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	289.47	121.40
			<i>For 60 Degree Bend, Deduct</i>	-49.00	
			<i>For 30 Degree Bend, Deduct</i>	-88.41	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.83	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.47	
26 05 36 00-1154	EA		24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	356.12	148.67
			<i>For 60 Degree Bend, Deduct</i>	-60.53	
			<i>For 30 Degree Bend, Deduct</i>	-109.14	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.22	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.81	
26 05 36 00-1155	EA		30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	408.68	170.67
			<i>For 60 Degree Bend, Deduct</i>	-69.43	
			<i>For 30 Degree Bend, Deduct</i>	-125.21	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.64	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.43	
26 05 36 00-1156	EA		36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	463.42	200.34
			<i>For 60 Degree Bend, Deduct</i>	-76.12	
			<i>For 30 Degree Bend, Deduct</i>	-138.00	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.65	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.17	
<b>26 05 36 00-1157</b>			<b>45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small></b>		
26 05 36 00-1158	EA		6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	212.48	72.03
			<i>For 60 Degree Bend, Deduct</i>	-42.52	
			<i>For 30 Degree Bend, Deduct</i>	-74.87	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.25	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.62	
26 05 36 00-1159	EA		9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	247.78	86.82
			<i>For 60 Degree Bend, Deduct</i>	-48.48	
			<i>For 30 Degree Bend, Deduct</i>	-85.63	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.54	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.39	
26 05 36 00-1160	EA		12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	272.79	100.27
			<i>For 60 Degree Bend, Deduct</i>	-51.59	
			<i>For 30 Degree Bend, Deduct</i>	-91.55	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.92	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.64	
26 05 36 00-1161	EA		18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	327.06	128.03
			<i>For 60 Degree Bend, Deduct</i>	-58.84	
			<i>For 30 Degree Bend, Deduct</i>	-105.18	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.03	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.35	
26 05 36 00-1162	EA		24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	397.13	159.04
			<i>For 60 Degree Bend, Deduct</i>	-70.10	
			<i>For 30 Degree Bend, Deduct</i>	-125.67	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.46	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.86	
26 05 36 00-1163	EA		30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	465.98	184.49
			<i>For 60 Degree Bend, Deduct</i>	-83.06	
			<i>For 30 Degree Bend, Deduct</i>	-148.69	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.23	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.30	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1164 EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	532.49	219.64
<i>For 60 Degree Bend, Deduct</i>	-91.54	
<i>For 30 Degree Bend, Deduct</i>	-164.77	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.95	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.62	
<b>26 05 36 00-1165 45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1166 EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	248.03	74.34
<i>For 60 Degree Bend, Deduct</i>	-53.37	
<i>For 30 Degree Bend, Deduct</i>	-93.08	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.61	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.40	
26 05 36 00-1167 EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	277.28	90.28
<i>For 60 Degree Bend, Deduct</i>	-56.90	
<i>For 30 Degree Bend, Deduct</i>	-99.85	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.21	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.86	
26 05 36 00-1168 EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	304.10	104.78
<i>For 60 Degree Bend, Deduct</i>	-60.19	
<i>For 30 Degree Bend, Deduct</i>	-106.14	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.68	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.21	
26 05 36 00-1169 EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	368.77	135.61
<i>For 60 Degree Bend, Deduct</i>	-69.70	
<i>For 30 Degree Bend, Deduct</i>	-123.70	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.57	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.44	
26 05 36 00-1170 EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	458.88	170.67
<i>For 60 Degree Bend, Deduct</i>	-86.00	
<i>For 30 Degree Bend, Deduct</i>	-152.82	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.66	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.94	
26 05 36 00-1171 EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	518.91	200.34
<i>For 60 Degree Bend, Deduct</i>	-94.43	
<i>For 30 Degree Bend, Deduct</i>	-168.52	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.19	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.95	
26 05 36 00-1172 EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	607.68	242.51
<i>For 60 Degree Bend, Deduct</i>	-107.57	
<i>For 30 Degree Bend, Deduct</i>	-192.75	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.56	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.38	
<b>26 05 36 00-1173 90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1174 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	305.41	96.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.54	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.27	
26 05 36 00-1175 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	336.13	109.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.47	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.81	
26 05 36 00-1176 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	358.01	121.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.70	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.90	
26 05 36 00-1177 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	408.97	148.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.51	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.45	
26 05 36 00-1178 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	453.60	170.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.14	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.68	
26 05 36 00-1179 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	497.18	192.09
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.71	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.86	
26 05 36 00-1180 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	547.78	219.26
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.51	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.39	
<b>26 05 36 00-1181 90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1182 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	324.20	100.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.07	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.21	
26 05 36 00-1183 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	355.92	115.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.99	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.80	
26 05 36 00-1184 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	381.23	128.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.45	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.06	
26 05 36 00-1185 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	442.06	159.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.96	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.10	
26 05 36 00-1186 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	495.05	184.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.13	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.75	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1187 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	547.17	209.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.27	
For 6" Overall Height Instead Of 4-5/8", Add	27.36	
26 05 36 00-1188 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	615.61	242.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.35	
For 6" Overall Height Instead Of 4-5/8", Add	30.78	
<b>26 05 36 00-1189 90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1190 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	417.61	104.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.04	
For 6" Overall Height Instead Of 4-5/8", Add	20.88	
26 05 36 00-1191 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	450.49	121.30
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.94	
For 6" Overall Height Instead Of 4-5/8", Add	22.52	
26 05 36 00-1192 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	490.33	135.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.73	
For 6" Overall Height Instead Of 4-5/8", Add	24.52	
26 05 36 00-1193 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	559.30	170.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.71	
For 6" Overall Height Instead Of 4-5/8", Add	27.97	
26 05 36 00-1194 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	619.33	200.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.24	
For 6" Overall Height Instead Of 4-5/8", Add	30.97	
26 05 36 00-1195 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	690.69	230.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.86	
For 6" Overall Height Instead Of 4-5/8", Add	34.53	
26 05 36 00-1196 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	771.06	270.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.54	
For 6" Overall Height Instead Of 4-5/8", Add	38.55	
<b>26 05 36 00-1197 12" Radius Horizontal Tees</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1198 EA 6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	468.62	184.49
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.49	
For 6" Overall Height Instead Of 4-5/8", Add	23.43	
26 05 36 00-1199 EA 9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	505.70	200.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.87	
For 6" Overall Height Instead Of 4-5/8", Add	25.29	
26 05 36 00-1200 EA 12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	523.38	209.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.89	
For 6" Overall Height Instead Of 4-5/8", Add	26.17	
26 05 36 00-1201 EA 18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	592.92	230.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.08	
For 6" Overall Height Instead Of 4-5/8", Add	29.65	
26 05 36 00-1202 EA 24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	656.37	255.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.31	
For 6" Overall Height Instead Of 4-5/8", Add	32.82	
26 05 36 00-1203 EA 30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	719.06	271.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.30	
For 6" Overall Height Instead Of 4-5/8", Add	35.95	
26 05 36 00-1204 EA 36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	831.69	307.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.57	
For 6" Overall Height Instead Of 4-5/8", Add	41.58	
<b>26 05 36 00-1205 24" Radius Horizontal Tees</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1206 EA 6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	608.76	200.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.18	
For 6" Overall Height Instead Of 4-5/8", Add	30.44	
26 05 36 00-1207 EA 9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	656.68	219.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.37	
For 6" Overall Height Instead Of 4-5/8", Add	32.83	
26 05 36 00-1208 EA 12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	682.76	230.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.07	
For 6" Overall Height Instead Of 4-5/8", Add	34.14	
26 05 36 00-1209 EA 18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	751.49	255.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.83	
For 6" Overall Height Instead Of 4-5/8", Add	37.57	
26 05 36 00-1210 EA 24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	834.29	288.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.42	
For 6" Overall Height Instead Of 4-5/8", Add	41.71	
26 05 36 00-1211 EA 30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	900.39	307.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.44	
For 6" Overall Height Instead Of 4-5/8", Add	45.02	
26 05 36 00-1212 EA 36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	1,185.95	354.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-89.03	
For 6" Overall Height Instead Of 4-5/8", Add	59.30	
<b>26 05 36 00-1213 36" Radius Horizontal Tees</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1214 EA 6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	754.45	219.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.14	
For 6" Overall Height Instead Of 4-5/8", Add	37.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1215 EA 9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	803.22 -60.11 40.16	242.51
26 05 36 00-1216 EA 12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	862.48 -64.92 43.12	255.85
26 05 36 00-1217 EA 18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	939.99 -69.99 47.00	288.12
26 05 36 00-1218 EA 24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,055.54 -78.15 52.78	328.94
26 05 36 00-1219 EA 30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,233.51 -93.78 61.68	354.87
26 05 36 00-1220 EA 36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,411.44 -106.25 70.57	418.74
<b>26 05 36 00-1221 12" Radius Vertical Tees</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1222 EA 6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	646.50 -50.43 32.33	170.67
26 05 36 00-1223 EA 9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	668.28 -52.04 33.41	177.38
26 05 36 00-1224 EA 12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	682.66 -52.89 34.13	184.49
26 05 36 00-1225 EA 18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	717.10 -55.01 35.86	200.34
26 05 36 00-1226 EA 24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	763.85 -58.94 38.19	209.37
26 05 36 00-1227 EA 30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	806.96 -61.49 40.35	230.50
26 05 36 00-1228 EA 36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	862.48 -64.92 43.12	255.85
<b>26 05 36 00-1229 24" Radius Vertical Tees</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1230 EA 6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	920.49 -76.68 46.02	184.49
26 05 36 00-1231 EA 9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	941.11 -78.10 47.06	192.09
26 05 36 00-1232 EA 12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	962.85 -79.59 48.14	200.34
26 05 36 00-1233 EA 18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,013.42 -83.04 50.67	219.64
26 05 36 00-1234 EA 24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,047.42 -85.53 52.37	230.50
26 05 36 00-1235 EA 30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,105.59 -89.24 55.28	255.85
26 05 36 00-1236 EA 36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,220.09 -98.00 61.00	288.12
<b>26 05 36 00-1237 36" Radius Vertical Tees</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1238 EA 6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,500.20 -133.32 75.01	200.34
26 05 36 00-1239 EA 9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,530.38 -135.59 76.52	209.37
26 05 36 00-1240 EA 12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,562.55 -137.95 78.13	219.64
26 05 36 00-1241 EA 18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,615.92 -141.38 80.80	242.51
26 05 36 00-1242 EA 24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,653.32 -144.01 82.67	255.85

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1243	EA		30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,752.47 -151.24 87.62	288.12
26 05 36 00-1244	EA		36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,835.60 -156.15 91.78	328.94
<b>26 05 36 00-1245</b>			<b>12" Radius Horizontal Crosses</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1246	EA		6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	608.77 -41.67 30.44	230.50
26 05 36 00-1247	EA		9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	652.60 -45.05 32.63	242.51
26 05 36 00-1248	EA		12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	677.51 -46.43 33.88	255.85
26 05 36 00-1249	EA		18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	756.06 -53.00 37.80	271.32
26 05 36 00-1250	EA		24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	826.41 -57.04 41.32	307.14
26 05 36 00-1251	EA		30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	918.13 -64.40 45.91	328.94
26 05 36 00-1252	EA		36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,053.82 -75.81 52.69	354.87
<b>26 05 36 00-1253</b>			<b>24" Radius Horizontal Crosses</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1254	EA		6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	857.19 -64.40 42.86	255.85
26 05 36 00-1255	EA		9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	896.11 -67.00 44.81	271.32
26 05 36 00-1256	EA		12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	937.35 -69.73 46.87	288.12
26 05 36 00-1257	EA		18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	992.88 -73.69 49.64	307.14
26 05 36 00-1258	EA		24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,114.60 -81.89 55.73	354.87
26 05 36 00-1259	EA		30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,200.49 -88.04 60.02	384.16
26 05 36 00-1260	EA		36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,329.52 -98.05 66.48	418.74
<b>26 05 36 00-1261</b>			<b>36" Radius Horizontal Crosses</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1262	EA		6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	987.56 -74.75 49.38	288.12
26 05 36 00-1263	EA		9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,040.45 -78.45 52.02	307.14
26 05 36 00-1264	EA		12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,108.39 -83.43 55.42	328.94
26 05 36 00-1265	EA		18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,188.59 -89.29 59.43	354.87
26 05 36 00-1266	EA		24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,437.86 -108.89 71.89	418.74
26 05 36 00-1267	EA		30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,586.27 -120.27 79.31	460.22
26 05 36 00-1268	EA		36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,766.11 -133.89 88.31	512.67
<b>26 05 36 00-1269</b>			<b>12" Radius Vertical Crosses</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1270	EA		6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	608.77 -41.67 30.44	230.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1271 EA 9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	652.60	242.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.05	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.63	
26 05 36 00-1272 EA 12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	677.51	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.43	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.88	
26 05 36 00-1273 EA 18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	756.06	271.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.00	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.80	
26 05 36 00-1274 EA 24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	826.41	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.04	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.32	
26 05 36 00-1275 EA 30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	918.13	328.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.40	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.91	
26 05 36 00-1276 EA 36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,052.37	353.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.74	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	52.62	
<b>26 05 36 00-1277 24" Radius Vertical Crosses</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1278 EA 6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	857.19	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.40	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.86	
26 05 36 00-1279 EA 9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	896.11	271.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.00	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.81	
26 05 36 00-1280 EA 12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	937.35	288.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.73	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.87	
26 05 36 00-1281 EA 18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	992.88	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.69	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	49.64	
26 05 36 00-1282 EA 24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,114.60	354.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.89	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	55.73	
26 05 36 00-1283 EA 30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,200.49	384.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.04	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	60.02	
26 05 36 00-1284 EA 36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,329.52	418.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.05	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	66.48	
<b>26 05 36 00-1285 36" Radius Vertical Crosses</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1286 EA 6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,215.87	288.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.58	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	60.79	
26 05 36 00-1287 EA 9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,278.27	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.23	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	63.91	
26 05 36 00-1288 EA 12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,360.48	328.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.64	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	68.02	
26 05 36 00-1289 EA 18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,457.33	354.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.16	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	72.87	
26 05 36 00-1290 EA 24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,770.82	418.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-142.18	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	88.54	
26 05 36 00-1291 EA 30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,954.89	460.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-157.13	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	97.74	
26 05 36 00-1292 EA 36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,176.35	512.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-174.91	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	108.82	
<b>26 05 36 00-1293 12" Rung Tray Fittings</b> <small>(26 05 36 00-0744)</small>		
<b>26 05 36 00-1294 90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1295 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	257.57	96.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.73	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.88	
26 05 36 00-1296 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	282.40	109.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.10	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.12	
26 05 36 00-1297 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	320.06	121.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.90	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.00	
26 05 36 00-1298 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	380.49	148.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.66	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.02	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1299 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	449.13	170.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.69	
For 6" Overall Height Instead Of 4-5/8", Add	22.46	
26 05 36 00-1300 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	494.61	192.09
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.45	
For 6" Overall Height Instead Of 4-5/8", Add	24.73	
26 05 36 00-1301 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	577.25	219.55
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.43	
For 6" Overall Height Instead Of 4-5/8", Add	28.86	
<b>26 05 36 00-1302 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1293)</b>		
26 05 36 00-1303 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	339.00	100.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.55	
For 6" Overall Height Instead Of 4-5/8", Add	16.95	
26 05 36 00-1304 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	371.33	115.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.54	
For 6" Overall Height Instead Of 4-5/8", Add	18.57	
26 05 36 00-1305 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	401.43	128.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.47	
For 6" Overall Height Instead Of 4-5/8", Add	20.07	
26 05 36 00-1306 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	468.98	159.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.65	
For 6" Overall Height Instead Of 4-5/8", Add	23.45	
26 05 36 00-1307 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	531.06	184.49
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.73	
For 6" Overall Height Instead Of 4-5/8", Add	26.55	
26 05 36 00-1308 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	593.50	209.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.90	
For 6" Overall Height Instead Of 4-5/8", Add	29.68	
26 05 36 00-1309 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	679.45	242.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.73	
For 6" Overall Height Instead Of 4-5/8", Add	33.97	
<b>26 05 36 00-1310 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1293)</b>		
26 05 36 00-1311 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	363.73	104.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.65	
For 6" Overall Height Instead Of 4-5/8", Add	18.19	
26 05 36 00-1312 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	396.07	121.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.51	
For 6" Overall Height Instead Of 4-5/8", Add	19.80	
26 05 36 00-1313 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	442.34	135.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.93	
For 6" Overall Height Instead Of 4-5/8", Add	22.12	
26 05 36 00-1314 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	527.77	170.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.55	
For 6" Overall Height Instead Of 4-5/8", Add	26.39	
26 05 36 00-1315 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	609.18	200.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.22	
For 6" Overall Height Instead Of 4-5/8", Add	30.46	
26 05 36 00-1316 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	686.43	230.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.44	
For 6" Overall Height Instead Of 4-5/8", Add	34.32	
26 05 36 00-1317 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	797.83	270.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.22	
For 6" Overall Height Instead Of 4-5/8", Add	39.89	
<b>26 05 36 00-1318 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1293)</b>		
26 05 36 00-1319 EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	180.22	69.82
For 60 Degree Bend, Deduct	-32.72	
For 30 Degree Bend, Deduct	-58.41	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.21	
For 6" Overall Height Instead Of 4-5/8", Add	9.01	
26 05 36 00-1320 EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	205.86	83.74
For 60 Degree Bend, Deduct	-35.85	
For 30 Degree Bend, Deduct	-64.39	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.61	
For 6" Overall Height Instead Of 4-5/8", Add	10.29	
26 05 36 00-1321 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	228.88	96.04
For 60 Degree Bend, Deduct	-38.71	
For 30 Degree Bend, Deduct	-69.86	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.88	
For 6" Overall Height Instead Of 4-5/8", Add	11.44	
26 05 36 00-1322 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	283.37	121.40
For 60 Degree Bend, Deduct	-46.99	
For 30 Degree Bend, Deduct	-85.06	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.22	
For 6" Overall Height Instead Of 4-5/8", Add	14.17	
26 05 36 00-1323 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	348.54	148.67
For 60 Degree Bend, Deduct	-58.03	
For 30 Degree Bend, Deduct	-104.97	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.47	
For 6" Overall Height Instead Of 4-5/8", Add	17.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1324 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	399.98	170.67
<i>For 60 Degree Bend, Deduct</i>	-66.56	
<i>For 30 Degree Bend, Deduct</i>	-120.42	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.77	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.00	
26 05 36 00-1325 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	454.36	200.34
<i>For 60 Degree Bend, Deduct</i>	-73.13	
<i>For 30 Degree Bend, Deduct</i>	-133.02	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.74	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.72	
<b>26 05 36 00-1326 45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1327 EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	206.00	72.03
<i>For 60 Degree Bend, Deduct</i>	-40.38	
<i>For 30 Degree Bend, Deduct</i>	-71.30	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.60	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.30	
26 05 36 00-1328 EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	240.56	86.82
<i>For 60 Degree Bend, Deduct</i>	-46.10	
<i>For 30 Degree Bend, Deduct</i>	-81.66	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.82	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.03	
26 05 36 00-1329 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	265.39	100.27
<i>For 60 Degree Bend, Deduct</i>	-49.15	
<i>For 30 Degree Bend, Deduct</i>	-87.48	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.18	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.27	
26 05 36 00-1330 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	319.10	128.03
<i>For 60 Degree Bend, Deduct</i>	-56.21	
<i>For 30 Degree Bend, Deduct</i>	-100.80	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.24	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.96	
26 05 36 00-1331 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	387.89	159.04
<i>For 60 Degree Bend, Deduct</i>	-67.05	
<i>For 30 Degree Bend, Deduct</i>	-120.59	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.54	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.39	
26 05 36 00-1332 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	454.88	184.49
<i>For 60 Degree Bend, Deduct</i>	-79.40	
<i>For 30 Degree Bend, Deduct</i>	-142.58	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.12	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.74	
26 05 36 00-1333 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	520.83	219.64
<i>For 60 Degree Bend, Deduct</i>	-87.69	
<i>For 30 Degree Bend, Deduct</i>	-158.35	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.78	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.04	
<b>26 05 36 00-1334 45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1335 EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	239.33	74.34
<i>For 60 Degree Bend, Deduct</i>	-50.50	
<i>For 30 Degree Bend, Deduct</i>	-88.29	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.74	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.97	
26 05 36 00-1336 EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	268.40	90.28
<i>For 60 Degree Bend, Deduct</i>	-53.97	
<i>For 30 Degree Bend, Deduct</i>	-94.97	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.32	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.42	
26 05 36 00-1337 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	295.04	104.78
<i>For 60 Degree Bend, Deduct</i>	-57.20	
<i>For 30 Degree Bend, Deduct</i>	-101.16	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.77	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.75	
26 05 36 00-1338 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	358.79	135.61
<i>For 60 Degree Bend, Deduct</i>	-66.40	
<i>For 30 Degree Bend, Deduct</i>	-118.21	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.58	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.94	
26 05 36 00-1339 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	446.68	170.67
<i>For 60 Degree Bend, Deduct</i>	-81.97	
<i>For 30 Degree Bend, Deduct</i>	-146.11	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.44	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.33	
26 05 36 00-1340 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	505.97	200.34
<i>For 60 Degree Bend, Deduct</i>	-90.16	
<i>For 30 Degree Bend, Deduct</i>	-161.40	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.90	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.30	
26 05 36 00-1341 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	593.44	242.51
<i>For 60 Degree Bend, Deduct</i>	-102.87	
<i>For 30 Degree Bend, Deduct</i>	-184.92	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.13	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.67	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1342			<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1343	EA		6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....290.87		96.04
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.08	
			For 6" Overall Height Instead Of 4-5/8", Add	14.54	
26 05 36 00-1344	EA		9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....320.81		109.68
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.94	
			For 6" Overall Height Instead Of 4-5/8", Add	16.04	
26 05 36 00-1345	EA		12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....342.42		121.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.14	
			For 6" Overall Height Instead Of 4-5/8", Add	17.12	
26 05 36 00-1346	EA		18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....392.85		148.67
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.90	
			For 6" Overall Height Instead Of 4-5/8", Add	19.64	
26 05 36 00-1347	EA		24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....436.69		170.67
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.45	
			For 6" Overall Height Instead Of 4-5/8", Add	21.83	
26 05 36 00-1348	EA		30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....479.47		192.09
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.94	
			For 6" Overall Height Instead Of 4-5/8", Add	23.97	
26 05 36 00-1349	EA		36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....529.55		219.26
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.68	
			For 6" Overall Height Instead Of 4-5/8", Add	26.48	
26 05 36 00-1350			<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1351	EA		6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....308.47		100.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.50	
			For 6" Overall Height Instead Of 4-5/8", Add	15.42	
26 05 36 00-1352	EA		9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....339.54		115.25
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.35	
			For 6" Overall Height Instead Of 4-5/8", Add	16.98	
26 05 36 00-1353	EA		12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....364.45		128.03
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.77	
			For 6" Overall Height Instead Of 4-5/8", Add	18.22	
26 05 36 00-1354	EA		18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....424.35		159.04
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.18	
			For 6" Overall Height Instead Of 4-5/8", Add	21.22	
26 05 36 00-1355	EA		24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....476.28		184.49
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.26	
			For 6" Overall Height Instead Of 4-5/8", Add	23.81	
26 05 36 00-1356	EA		30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....527.35		209.37
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.29	
			For 6" Overall Height Instead Of 4-5/8", Add	26.37	
26 05 36 00-1357	EA		36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....594.47		242.51
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.24	
			For 6" Overall Height Instead Of 4-5/8", Add	29.72	
26 05 36 00-1358			<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1359	EA		6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....393.30		104.68
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.61	
			For 6" Overall Height Instead Of 4-5/8", Add	19.67	
26 05 36 00-1360	EA		9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....425.65		121.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.46	
			For 6" Overall Height Instead Of 4-5/8", Add	21.28	
26 05 36 00-1361	EA		12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....463.90		135.61
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.09	
			For 6" Overall Height Instead Of 4-5/8", Add	23.20	
26 05 36 00-1362	EA		18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....531.82		170.67
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.96	
			For 6" Overall Height Instead Of 4-5/8", Add	26.59	
26 05 36 00-1363	EA		24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....590.79		200.34
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.38	
			For 6" Overall Height Instead Of 4-5/8", Add	29.54	
26 05 36 00-1364	EA		30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....660.03		230.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.80	
			For 6" Overall Height Instead Of 4-5/8", Add	33.00	
26 05 36 00-1365	EA		36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....739.09		270.84
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.34	
			For 6" Overall Height Instead Of 4-5/8", Add	36.95	
26 05 36 00-1366			<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1367	EA		6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....452.50		184.49
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.88	
			For 6" Overall Height Instead Of 4-5/8", Add	22.63	
26 05 36 00-1368	EA		9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....488.53		200.34
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.16	
			For 6" Overall Height Instead Of 4-5/8", Add	24.43	
26 05 36 00-1369	EA		12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....505.94		209.37
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.15	
			For 6" Overall Height Instead Of 4-5/8", Add	25.30	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1370 EA 18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	572.04	230.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.00	
For 6" Overall Height Instead Of 4-5/8", Add	28.60	
26 05 36 00-1371 EA 24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	633.38	255.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.01	
For 6" Overall Height Instead Of 4-5/8", Add	31.67	
26 05 36 00-1372 EA 30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	692.37	271.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.63	
For 6" Overall Height Instead Of 4-5/8", Add	34.62	
26 05 36 00-1373 EA 36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	799.72	307.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.37	
For 6" Overall Height Instead Of 4-5/8", Add	39.99	
<b>26 05 36 00-1374 24" Radius Horizontal Tees</b> (26 05 36 00-1293)		
26 05 36 00-1375 EA 6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	581.28	200.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.43	
For 6" Overall Height Instead Of 4-5/8", Add	29.06	
26 05 36 00-1376 EA 9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	627.62	219.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.46	
For 6" Overall Height Instead Of 4-5/8", Add	31.38	
26 05 36 00-1377 EA 12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	652.90	230.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.08	
For 6" Overall Height Instead Of 4-5/8", Add	32.65	
26 05 36 00-1378 EA 18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	718.99	255.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.58	
For 6" Overall Height Instead Of 4-5/8", Add	35.95	
26 05 36 00-1379 EA 24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	798.88	288.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.88	
For 6" Overall Height Instead Of 4-5/8", Add	39.94	
26 05 36 00-1380 EA 30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	861.55	307.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.56	
For 6" Overall Height Instead Of 4-5/8", Add	43.08	
26 05 36 00-1381 EA 36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,126.49	354.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-83.08	
For 6" Overall Height Instead Of 4-5/8", Add	56.32	
<b>26 05 36 00-1382 36" Radius Horizontal Tees</b> (26 05 36 00-1293)		
26 05 36 00-1383 EA 6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	715.61	219.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.26	
For 6" Overall Height Instead Of 4-5/8", Add	35.78	
26 05 36 00-1384 EA 9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	763.32	242.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.12	
For 6" Overall Height Instead Of 4-5/8", Add	38.17	
26 05 36 00-1385 EA 12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	818.88	255.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.56	
For 6" Overall Height Instead Of 4-5/8", Add	40.94	
26 05 36 00-1386 EA 18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	894.01	288.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.39	
For 6" Overall Height Instead Of 4-5/8", Add	44.70	
26 05 36 00-1387 EA 24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,004.80	328.94
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.07	
For 6" Overall Height Instead Of 4-5/8", Add	50.24	
26 05 36 00-1388 EA 30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,169.30	354.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-87.36	
For 6" Overall Height Instead Of 4-5/8", Add	58.47	
26 05 36 00-1389 EA 36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,340.09	418.74
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-99.11	
For 6" Overall Height Instead Of 4-5/8", Add	67.00	
<b>26 05 36 00-1390 12" Radius Vertical Tees</b> (26 05 36 00-1293)		
26 05 36 00-1391 EA 6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	610.30	170.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.81	
For 6" Overall Height Instead Of 4-5/8", Add	30.52	
26 05 36 00-1392 EA 9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	631.02	177.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.32	
For 6" Overall Height Instead Of 4-5/8", Add	31.55	
26 05 36 00-1393 EA 12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	645.14	184.49
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.14	
For 6" Overall Height Instead Of 4-5/8", Add	32.26	
26 05 36 00-1394 EA 18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	678.78	200.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.18	
For 6" Overall Height Instead Of 4-5/8", Add	33.94	
26 05 36 00-1395 EA 24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	722.36	209.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.79	
For 6" Overall Height Instead Of 4-5/8", Add	36.12	
26 05 36 00-1396 EA 30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	764.68	230.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.26	
For 6" Overall Height Instead Of 4-5/8", Add	38.23	
26 05 36 00-1397 EA 36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	818.88	255.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.56	
For 6" Overall Height Instead Of 4-5/8", Add	40.94	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1398			<b>24" Radius Vertical Tees</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1399	EA		6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	859.18	184.49
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.55	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.96	
26 05 36 00-1400	EA		9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	879.01	192.09
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.89	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.95	
26 05 36 00-1401	EA		12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	899.96	200.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.30	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.00	
26 05 36 00-1402	EA		18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	948.68	219.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.57	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	47.43	
26 05 36 00-1403	EA		24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	981.10	230.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.90	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	49.06	
26 05 36 00-1404	EA		30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,037.68	255.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.44	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	51.88	
26 05 36 00-1405	EA		36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,146.10	288.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.60	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	57.31	
26 05 36 00-1406			<b>36" Radius Vertical Tees</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1407	EA		6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,383.57	200.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.66	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	69.18	
26 05 36 00-1408	EA		9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,412.24	209.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-123.78	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	70.61	
26 05 36 00-1409	EA		12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,442.90	219.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-125.99	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	72.15	
26 05 36 00-1410	EA		18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,494.75	242.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-129.26	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	74.74	
26 05 36 00-1411	EA		24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,530.64	255.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-131.74	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	76.53	
26 05 36 00-1412	EA		30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,625.25	288.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-138.52	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	81.26	
26 05 36 00-1413	EA		36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,706.85	328.94
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-143.28	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	85.34	
26 05 36 00-1414			<b>12" Radius Horizontal Crosses</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1415	EA		6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	586.31	230.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.42	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.32	
26 05 36 00-1416	EA		9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	627.76	242.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.57	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.39	
26 05 36 00-1417	EA		12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	652.40	255.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.92	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.62	
26 05 36 00-1418	EA		18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	725.67	271.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.96	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.28	
26 05 36 00-1419	EA		24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	794.96	307.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.90	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.75	
26 05 36 00-1420	EA		30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	881.13	328.94
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.70	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.06	
26 05 36 00-1421	EA		36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,007.58	354.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.19	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	50.38	
26 05 36 00-1422			<b>24" Radius Horizontal Crosses</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1423	EA		6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	814.12	255.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.09	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.71	
26 05 36 00-1424	EA		9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	851.71	271.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.56	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.59	
26 05 36 00-1425	EA		12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	891.63	288.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.15	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1426 EA 18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	944.79	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.88	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	47.24	
26 05 36 00-1427 EA 24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,062.28	354.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.66	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	53.11	
26 05 36 00-1428 EA 30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,144.47	384.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.43	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	57.22	
26 05 36 00-1429 EA 36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,266.37	418.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.74	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	63.32	
<b>26 05 36 00-1430 36" Radius Horizontal Crosses</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1431 EA 6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	936.82	288.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.67	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.84	
26 05 36 00-1432 EA 9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	987.60	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.16	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	49.38	
26 05 36 00-1433 EA 12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,052.37	328.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.83	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	52.62	
26 05 36 00-1434 EA 18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,128.87	354.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.32	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	56.44	
26 05 36 00-1435 EA 24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,363.87	418.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.49	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	68.19	
26 05 36 00-1436 EA 30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,504.35	460.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-112.08	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	75.22	
26 05 36 00-1437 EA 36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,674.94	512.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-124.77	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	83.75	
<b>26 05 36 00-1438 12" Radius Vertical Crosses</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1439 EA 6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	586.31	230.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.42	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.32	
26 05 36 00-1440 EA 9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	627.90	242.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.57	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.40	
26 05 36 00-1441 EA 12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	652.32	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.91	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.62	
26 05 36 00-1442 EA 18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	725.84	271.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.97	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.29	
26 05 36 00-1443 EA 24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	794.96	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.90	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.75	
26 05 36 00-1444 EA 30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	881.38	329.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.72	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.07	
26 05 36 00-1445 EA 36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,006.85	354.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.15	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	50.34	
<b>26 05 36 00-1446 24" Radius Vertical Crosses</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1447 EA 6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	814.12	255.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.09	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.71	
26 05 36 00-1448 EA 9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	851.71	271.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.56	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.59	
26 05 36 00-1449 EA 12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	891.63	288.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.15	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.58	
26 05 36 00-1450 EA 18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	944.79	307.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.88	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	47.24	
26 05 36 00-1451 EA 24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,062.28	354.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.66	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	53.11	
26 05 36 00-1452 EA 30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,144.47	384.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.43	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	57.22	
26 05 36 00-1453 EA 36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,266.37	418.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.74	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	63.32	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1454			<b>36" Radius Vertical Crosses</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1455	EA		6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,142.30	288.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.22	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	57.12	
26 05 36 00-1456	EA		9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,201.64	307.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.57	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	60.08	
26 05 36 00-1457	EA		12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,279.25	328.94
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.52	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	63.96	
26 05 36 00-1458	EA		18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,370.74	354.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.50	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	68.54	
26 05 36 00-1459	EA		24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,663.53	418.74
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-131.45	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	83.18	
26 05 36 00-1460	EA		30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,836.12	460.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-145.26	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	91.81	
26 05 36 00-1461	EA		36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	2,044.16	512.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-161.69	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	102.21	
26 05 36 00-1462			<b>Dropout Or End Plates And Reducers</b> <small>(26 05 36 00-0744)</small>		
26 05 36 00-1463			<b>Straight Reducers</b> <small>(26 05 36 00-1462)</small>		
26 05 36 00-1464	EA		9"-6" Reducer, Aluminum Cable Tray .....	237.07	70.88
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.80	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.85	
26 05 36 00-1465	EA		12"-9" Reducer, Aluminum Cable Tray .....	249.47	76.73
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.55	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.47	
26 05 36 00-1466	EA		18"-12" Reducer, Aluminum Cable Tray .....	271.86	88.55
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.80	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.59	
26 05 36 00-1467	EA		24"-18" Reducer, Aluminum Cable Tray .....	297.61	102.48
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.22	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.88	
26 05 36 00-1468	EA		30"-24" Reducer, Aluminum Cable Tray .....	321.57	115.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.55	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.08	
26 05 36 00-1469	EA		36"-30" Reducer, Aluminum Cable Tray .....	356.88	131.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.71	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.84	
26 05 36 00-1470			<b>Reducers</b> <small>(26 05 36 00-1462)</small>		
26 05 36 00-1471	EA		18"-6" Reducer, Aluminum Cable Tray .....	271.95	88.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.81	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.60	
26 05 36 00-1472	EA		24"-12" Reducer, Aluminum Cable Tray .....	297.86	102.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.24	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.89	
26 05 36 00-1473	EA		30"-12" Reducer, Aluminum Cable Tray .....	321.41	115.15
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.54	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.07	
26 05 36 00-1474	EA		30"-18" Reducer, Aluminum Cable Tray .....	323.90	115.06
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.80	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.20	
26 05 36 00-1475	EA		36"-12" Reducer, Aluminum Cable Tray .....	354.24	131.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.45	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.71	
26 05 36 00-1476	EA		36"-18" Reducer, Aluminum Cable Tray .....	362.65	135.13
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.00	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.13	
26 05 36 00-1477	EA		36"-24" Reducer, Aluminum Cable Tray .....	375.12	139.45
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.89	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.76	
26 05 36 00-1478			<b>Dropout Or End Plate</b> <small>(26 05 36 00-1462)</small>		
26 05 36 00-1479	EA		6" Dropout Or End Plate, Aluminum Cable Tray .....	63.74	28.81
26 05 36 00-1480	EA		9" Dropout Or End Plate, Aluminum Cable Tray .....	71.62	32.94
26 05 36 00-1481	EA		12" Dropout Or End Plate, Aluminum Cable Tray .....	77.29	35.44
26 05 36 00-1482	EA		18" Dropout Or End Plate, Aluminum Cable Tray .....	94.25	41.88
26 05 36 00-1483	EA		24" Dropout Or End Plate, Aluminum Cable Tray .....	105.50	46.10
26 05 36 00-1484	EA		30" Dropout Or End Plate, Aluminum Cable Tray .....	119.48	51.19
26 05 36 00-1485	EA		36" Dropout Or End Plate, Aluminum Cable Tray .....	133.96	57.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-1486</b> <b>Solid Bottom Cable Tray</b> <small>(26 05 36 00-0001)</small> Note: 3-5/8" Height.		
<b>26 05 36 00-1487</b> <b>Solid Bottom Galvanized Steel Straight Tray Sections</b> <small>(26 05 36 00-1486)</small>		
26 05 36 00-1488    LF    6" Solid Bottom Steel Cable Tray, Straight Section ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	26.86 2.77	7.49
26 05 36 00-1489    LF    12" Solid Bottom Steel Cable Tray, Straight Section ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	33.52 3.50	9.22
26 05 36 00-1490    LF    18" Solid Bottom Steel Cable Tray, Straight Section ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	44.42 4.45	13.26
26 05 36 00-1491    LF    24" Solid Bottom Steel Cable Tray, Straight Section ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	51.44 5.18	15.17
26 05 36 00-1492    LF    30" Solid Bottom Steel Cable Tray, Straight Section ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	61.60 6.18	18.34
26 05 36 00-1493    LF    36" Solid Bottom Steel Cable Tray, Straight Section ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	79.43 8.41	21.03
<b>26 05 36 00-1494</b> <b>Solid Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-1486)</small>		
<b>26 05 36 00-1495</b> <b>90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1496    EA    6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	268.47 24.25	96.14
26 05 36 00-1497    EA    12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	346.74 29.47	135.23
26 05 36 00-1498    EA    18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	423.10 35.02	170.67
26 05 36 00-1499    EA    24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	518.44 42.82	209.65
26 05 36 00-1500    EA    30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	606.32 50.46	242.99
26 05 36 00-1501    EA    36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	681.75 57.05	271.32
<b>26 05 36 00-1502</b> <b>90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1503    EA    6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	320.64 31.41	100.08
26 05 36 00-1504    EA    12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	420.11 38.98	144.16
26 05 36 00-1505    EA    18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	515.35 46.56	184.49
26 05 36 00-1506    EA    24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	626.74 55.60	230.50
26 05 36 00-1507    EA    30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	735.05 65.13	270.84
26 05 36 00-1508    EA    36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	830.34 73.36	307.14
<b>26 05 36 00-1509</b> <b>90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1510    EA    6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	399.49 42.50	104.59
26 05 36 00-1511    EA    12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	509.93 50.84	153.95
26 05 36 00-1512    EA    18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	644.12 63.18	200.63
26 05 36 00-1513    EA    24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	762.18 71.68	255.85
26 05 36 00-1514    EA    30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	914.80 86.03	307.14
26 05 36 00-1515    EA    36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,042.61 97.40	353.91
<b>26 05 36 00-1516</b> <b>45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1517    EA    6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	241.50 20.20	96.14
26 05 36 00-1518    EA    12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	316.42 24.92	135.23
26 05 36 00-1519    EA    18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	388.10 29.80	170.48
26 05 36 00-1520    EA    24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	475.68 36.45	209.37
26 05 36 00-1521    EA    30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	555.96 42.91	242.99
26 05 36 00-1522    EA    36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	623.51 48.39	270.84
<b>26 05 36 00-1523</b> <b>45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1524    EA    6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	282.30 25.65	100.17

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1525	EA		12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	374.93	144.06
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.23	
26 05 36 00-1526	EA		18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	463.76	184.69
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	38.78	
26 05 36 00-1527	EA		24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	566.09	230.50
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	46.50	
26 05 36 00-1528	EA		30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	664.97	271.32
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	54.53	
26 05 36 00-1529	EA		36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	750.74	307.14
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	61.42	
<b>26 05 36 00-1530</b>			<b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1531	EA		6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	343.44	104.68
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	34.07	
26 05 36 00-1532	EA		12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	422.72	139.55
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	40.14	
26 05 36 00-1533	EA		18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	566.69	200.63
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	51.56	
26 05 36 00-1534	EA		24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	679.01	256.34
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	59.13	
26 05 36 00-1535	EA		30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	814.09	307.14
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	70.92	
26 05 36 00-1536	EA		36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	930.89	354.87
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	80.49	
<b>26 05 36 00-1537</b>			<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1538	EA		6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray.....	291.87	95.85
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	27.81	
26 05 36 00-1539	EA		12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray.....	364.07	135.23
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.07	
26 05 36 00-1540	EA		18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray.....	425.26	170.67
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.34	
26 05 36 00-1541	EA		24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray.....	514.11	209.65
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	42.17	
26 05 36 00-1542	EA		30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray.....	580.33	242.99
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	46.56	
26 05 36 00-1543	EA		36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray.....	633.25	270.84
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	49.86	
<b>26 05 36 00-1544</b>			<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1545	EA		6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray.....	353.13	100.08
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	36.28	
26 05 36 00-1546	EA		12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray.....	443.93	144.16
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	42.56	
26 05 36 00-1547	EA		18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray.....	528.35	184.49
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	48.51	
26 05 36 00-1548	EA		24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray.....	624.57	230.50
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	55.27	
26 05 36 00-1549	EA		30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray.....	704.73	270.84
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	60.58	
26 05 36 00-1550	EA		36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray.....	789.18	307.14
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	67.18	
<b>26 05 36 00-1551</b>			<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1552	EA		6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray.....	427.65	104.59
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	46.72	
26 05 36 00-1553	EA		12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray.....	516.84	139.84
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	54.22	
26 05 36 00-1554	EA		18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray.....	644.12	200.63
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	63.18	
26 05 36 00-1555	EA		24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray.....	766.51	255.85
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	72.33	
26 05 36 00-1556	EA		30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray.....	882.32	307.14
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	81.15	
26 05 36 00-1557	EA		36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray.....	992.79	353.91
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	89.92	
<b>26 05 36 00-1558</b>			<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1559	EA		6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray.....	459.04	184.49
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	38.11	
26 05 36 00-1560	EA		12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray.....	548.16	230.11
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	43.87	
26 05 36 00-1561	EA		18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray.....	647.10	271.32
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	51.85	
26 05 36 00-1562	EA		24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray.....	768.18	329.61
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	60.28	
26 05 36 00-1563	EA		30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray.....	840.47	354.87
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	66.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1564 EA 36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	983.87 77.78	418.74
<b>26 05 36 00-1565 24" Radius Horizontal Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1566 EA 6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	570.02 52.11	200.34
26 05 36 00-1567 EA 12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	701.54 62.58	255.85
26 05 36 00-1568 EA 18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	817.34 71.41	307.14
26 05 36 00-1569 EA 24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,053.96 94.07	384.16
26 05 36 00-1570 EA 30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,148.47 102.47	418.74
26 05 36 00-1571 EA 36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,341.77 115.82	512.67
<b>26 05 36 00-1572 36" Radius Horizontal Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1573 EA 6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	736.38 73.86	219.64
26 05 36 00-1574 EA 12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	893.88 86.06	288.12
26 05 36 00-1575 EA 18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,041.89 97.14	354.87
26 05 36 00-1576 EA 24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,276.26 121.64	418.74
26 05 36 00-1577 EA 30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,397.67 132.69	461.77
26 05 36 00-1578 EA 36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,610.18 145.49	576.25
<b>26 05 36 00-1579 12" Radius Vertical Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1580 EA 6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	556.51 52.73	184.49
26 05 36 00-1581 EA 12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	644.07 58.19	230.50
26 05 36 00-1582 EA 18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	690.71 60.96	255.85
26 05 36 00-1583 EA 24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	741.55 66.10	270.84
26 05 36 00-1584 EA 30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	821.67 72.06	307.14
26 05 36 00-1585 EA 36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	911.94 77.65	354.87
<b>26 05 36 00-1586 24" Radius Vertical Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1587 EA 6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	702.14 71.93	200.34
26 05 36 00-1588 EA 12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	812.00 79.15	255.85
26 05 36 00-1589 EA 18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	885.22 84.76	288.12
26 05 36 00-1590 EA 24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	936.46 89.27	307.14
26 05 36 00-1591 EA 30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,057.06 99.42	354.87
26 05 36 00-1592 EA 36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,185.29 108.00	418.74
<b>26 05 36 00-1593 36" Radius Vertical Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1594 EA 6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	939.41 104.37	219.26
26 05 36 00-1595 EA 12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,064.99 111.73	288.12
26 05 36 00-1596 EA 18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,176.29 121.63	328.94
26 05 36 00-1597 EA 24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,241.16 127.04	354.87
26 05 36 00-1598 EA 30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,456.03 148.61	418.74
26 05 36 00-1599 EA 36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,568.48 158.56	460.22
<b>26 05 36 00-1600 12" Radius Horizontal Crosses</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1601 EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	566.09 46.50	230.50

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1602 EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray.....	649.27	271.32
For 4-5/8" Overall Height Instead Of 3-5/8", Add	52.17	
26 05 36 00-1603 EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray.....	779.93	328.94
For 4-5/8" Overall Height Instead Of 3-5/8", Add	62.17	
26 05 36 00-1604 EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray.....	900.19	384.16
For 4-5/8" Overall Height Instead Of 3-5/8", Add	71.00	
26 05 36 00-1605 EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray.....	1,057.33	460.22
For 4-5/8" Overall Height Instead Of 3-5/8", Add	81.89	
26 05 36 00-1606 EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray.....	1,172.84	512.67
For 4-5/8" Overall Height Instead Of 3-5/8", Add	90.48	
<b>26 05 36 00-1607 24" Radius Horizontal Crosses</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1608 EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray.....	758.61	256.34
For 4-5/8" Overall Height Instead Of 3-5/8", Add	71.07	
26 05 36 00-1609 EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray.....	882.32	307.14
For 4-5/8" Overall Height Instead Of 3-5/8", Add	81.15	
26 05 36 00-1610 EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,053.96	384.16
For 4-5/8" Overall Height Instead Of 3-5/8", Add	94.07	
26 05 36 00-1611 EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,300.20	461.77
For 4-5/8" Overall Height Instead Of 3-5/8", Add	118.07	
26 05 36 00-1612 EA 30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,428.41	512.67
For 4-5/8" Overall Height Instead Of 3-5/8", Add	128.82	
26 05 36 00-1613 EA 36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,566.86	576.25
For 4-5/8" Overall Height Instead Of 3-5/8", Add	138.99	
<b>26 05 36 00-1614 36" Radius Horizontal Crosses</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1615 EA 6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,021.67	288.12
For 4-5/8" Overall Height Instead Of 3-5/8", Add	105.23	
26 05 36 00-1616 EA 12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,187.01	354.87
For 4-5/8" Overall Height Instead Of 3-5/8", Add	118.91	
26 05 36 00-1617 EA 18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,419.33	461.77
For 4-5/8" Overall Height Instead Of 3-5/8", Add	135.94	
26 05 36 00-1618 EA 24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,623.34	512.67
For 4-5/8" Overall Height Instead Of 3-5/8", Add	158.06	
26 05 36 00-1619 EA 30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,794.28	576.25
For 4-5/8" Overall Height Instead Of 3-5/8", Add	173.10	
26 05 36 00-1620 EA 36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,984.37	657.79
For 4-5/8" Overall Height Instead Of 3-5/8", Add	188.02	
<b>26 05 36 00-1621 Straight Reducers</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1622 EA 12"-6" Reducer, Solid Bottom, Steel Cable Tray.....	234.19	76.83
For 4-5/8" Overall Height Instead Of 3-5/8", Add	22.32	
26 05 36 00-1623 EA 18"-12" Reducer, Solid Bottom, Steel Cable Tray.....	253.01	86.82
For 4-5/8" Overall Height Instead Of 3-5/8", Add	23.48	
26 05 36 00-1624 EA 24"-18" Reducer, Solid Bottom, Steel Cable Tray.....	279.37	100.08
For 4-5/8" Overall Height Instead Of 3-5/8", Add	25.23	
26 05 36 00-1625 EA 30"-24" Reducer, Solid Bottom, Steel Cable Tray.....	313.38	115.25
For 4-5/8" Overall Height Instead Of 3-5/8", Add	27.80	
26 05 36 00-1626 EA 36"-30" Reducer, Solid Bottom, Steel Cable Tray.....	338.66	127.83
For 4-5/8" Overall Height Instead Of 3-5/8", Add	29.50	
<b>26 05 36 00-1627 Reducers</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1628 EA 18"-6" Reducer, Solid Bottom, Steel Cable Tray.....	253.10	86.91
For 4-5/8" Overall Height Instead Of 3-5/8", Add	23.48	
26 05 36 00-1629 EA 24"-12" Reducer, Solid Bottom, Steel Cable Tray.....	277.55	100.27
For 4-5/8" Overall Height Instead Of 3-5/8", Add	24.92	
26 05 36 00-1630 EA 30"-12" Reducer, Solid Bottom, Steel Cable Tray.....	308.89	115.15
For 4-5/8" Overall Height Instead Of 3-5/8", Add	27.14	
26 05 36 00-1631 EA 30"-18" Reducer, Solid Bottom, Steel Cable Tray.....	310.90	115.06
For 4-5/8" Overall Height Instead Of 3-5/8", Add	27.46	
26 05 36 00-1632 EA 36"-12" Reducer, Solid Bottom, Steel Cable Tray.....	336.50	127.83
For 4-5/8" Overall Height Instead Of 3-5/8", Add	29.17	
26 05 36 00-1633 EA 36"-18" Reducer, Solid Bottom, Steel Cable Tray.....	338.66	127.83
For 4-5/8" Overall Height Instead Of 3-5/8", Add	29.50	
26 05 36 00-1634 EA 36"-24" Reducer, Solid Bottom, Steel Cable Tray.....	341.22	128.03
For 4-5/8" Overall Height Instead Of 3-5/8", Add	29.84	
<b>26 05 36 00-1635 Dropout Or End Plate</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1636 EA 6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	70.11	28.81
26 05 36 00-1637 EA 12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	86.10	35.15
26 05 36 00-1638 EA 18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	98.99	41.69
26 05 36 00-1639 EA 24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	111.59	46.10
26 05 36 00-1640 EA 30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	124.29	51.19
26 05 36 00-1641 EA 36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	137.73	57.62
<b>26 05 36 00-1642 Solid Bottom Aluminum Straight Cable Tray Sections</b> <small>(26 05 36 00-1486)</small>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1643 LF 6" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	23.97 2.58	6.05
26 05 36 00-1644 LF 12" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	30.00 3.32	7.11
26 05 36 00-1645 LF 18" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	38.27 4.20	9.22
26 05 36 00-1646 LF 24" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	45.74 5.17	10.18
26 05 36 00-1647 LF 30" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	55.91 6.19	13.16
26 05 36 00-1648 LF 36" Solid Bottom Steel Aluminum Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	66.76 7.61	14.41
<b>26 05 36 00-1649 Solid Bottom Aluminum Cable Tray Fittings</b> <small>(26 05 36 00-1486)</small>		
<b>26 05 36 00-1650 90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1651 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	271.72 24.74	96.14
26 05 36 00-1652 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	327.24 28.91	121.01
26 05 36 00-1653 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	379.24 34.30	135.52
26 05 36 00-1654 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	441.34 39.67	159.14
26 05 36 00-1655 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	522.19 47.55	184.69
26 05 36 00-1656 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	590.01 53.55	209.65
<b>26 05 36 00-1657 90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1658 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	325.46 32.13	100.08
26 05 36 00-1659 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	401.85 38.92	128.22
26 05 36 00-1660 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	454.47 44.16	144.06
26 05 36 00-1661 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	549.39 53.96	170.67
26 05 36 00-1662 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	636.73 62.16	200.06
26 05 36 00-1663 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	732.73 71.49	230.50
<b>26 05 36 00-1664 90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1665 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	409.52 44.00	104.59
26 05 36 00-1666 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	508.64 53.67	135.80
26 05 36 00-1667 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	591.15 63.02	153.95
26 05 36 00-1668 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	666.06 69.21	184.20
26 05 36 00-1669 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	772.09 79.21	219.64
26 05 36 00-1670 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	901.52 92.66	255.47
<b>26 05 36 00-1671 45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1672 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	247.28 21.06	96.14
26 05 36 00-1673 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	299.64 24.77	121.01
26 05 36 00-1674 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	345.29 29.23	135.42
26 05 36 00-1675 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	402.02 33.83	158.85
26 05 36 00-1676 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	475.03 40.47	184.69
26 05 36 00-1677 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	536.08 45.56	209.08
<b>26 05 36 00-1678 45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1679 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	290.68 26.91	100.17
26 05 36 00-1680 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	360.25 32.69	128.03
26 05 36 00-1681 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	407.79 37.11	144.35

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1682	EA		24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	491.11	170.67
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	45.22	
26 05 36 00-1683	EA		30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	570.94	200.63
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	52.20	
26 05 36 00-1684	EA		36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	656.04	230.50
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	59.99	
<b>26 05 36 00-1685</b>			<b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1686	EA		6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	358.02	104.68
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	36.25	
26 05 36 00-1687	EA		12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	446.10	135.52
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	44.33	
26 05 36 00-1688	EA		18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	517.53	153.95
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	51.98	
26 05 36 00-1689	EA		24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	587.86	184.69
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	57.40	
26 05 36 00-1690	EA		30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	682.75	219.64
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	65.81	
26 05 36 00-1691	EA		36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	798.35	256.34
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	77.03	
<b>26 05 36 00-1692</b>			<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1693	EA		6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	292.21	95.85
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	27.86	
26 05 36 00-1694	EA		12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	339.44	121.01
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	30.74	
26 05 36 00-1695	EA		18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	380.98	135.52
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	34.56	
26 05 36 00-1696	EA		24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	429.14	159.14
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	37.84	
26 05 36 00-1697	EA		30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	482.10	184.69
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	41.53	
26 05 36 00-1698	EA		36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	527.99	209.08
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	44.35	
<b>26 05 36 00-1699</b>			<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1700	EA		6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	355.09	100.08
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	36.58	
26 05 36 00-1701	EA		12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	417.53	128.22
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	41.27	
26 05 36 00-1702	EA		18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	459.70	144.06
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	44.95	
26 05 36 00-1703	EA		24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	523.25	170.67
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	50.04	
26 05 36 00-1704	EA		30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	586.19	200.06
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	54.58	
26 05 36 00-1705	EA		36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	663.01	230.50
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	61.04	
<b>26 05 36 00-1706</b>			<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1707	EA		6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	421.72	104.59
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	45.83	
26 05 36 00-1708	EA		12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	505.15	135.80
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	53.14	
26 05 36 00-1709	EA		18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	559.77	153.95
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	58.31	
26 05 36 00-1710	EA		24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	622.49	184.20
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	62.67	
26 05 36 00-1711	EA		30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	714.58	219.64
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	70.59	
26 05 36 00-1712	EA		36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	788.23	255.47
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	75.66	
<b>26 05 36 00-1713</b>			<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1714	EA		6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	479.97	184.49
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	41.25	
26 05 36 00-1715	EA		12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	557.62	209.08
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	48.80	
26 05 36 00-1716	EA		18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	619.44	230.50
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	54.50	
26 05 36 00-1717	EA		24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	690.40	256.34
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	60.84	
26 05 36 00-1718	EA		30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	815.20	307.14
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	71.09	
26 05 36 00-1719	EA		36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	988.85	384.16
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	84.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-1720</b> <b>24" Radius Horizontal Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1721    EA    6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	618.02 59.31	200.34
26 05 36 00-1722    EA    12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	704.84 67.31	230.50
26 05 36 00-1723    EA    18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	788.98 75.70	255.85
26 05 36 00-1724    EA    24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	956.37 92.26	307.14
26 05 36 00-1725    EA    30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,145.70 107.83	384.16
26 05 36 00-1726    EA    36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,266.42 119.96	419.99
<b>26 05 36 00-1727</b> <b>36" Radius Horizontal Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1728    EA    6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	827.86 87.58	219.64
26 05 36 00-1729    EA    12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	931.89 97.14	255.85
26 05 36 00-1730    EA    18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,064.05 111.59	288.12
26 05 36 00-1731    EA    24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,269.65 131.45	353.91
26 05 36 00-1732    EA    30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,518.98 150.89	461.77
26 05 36 00-1733    EA    36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,691.01 168.21	512.67
<b>26 05 36 00-1734</b> <b>12" Radius Vertical Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1735    EA    6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	553.17 52.23	184.49
26 05 36 00-1736    EA    12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	599.95 55.09	209.37
26 05 36 00-1737    EA    18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	626.88 57.49	219.26
26 05 36 00-1738    EA    24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	662.40 61.01	230.11
26 05 36 00-1739    EA    30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	729.72 66.81	255.85
26 05 36 00-1740    EA    36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	832.63 73.70	307.14
<b>26 05 36 00-1741</b> <b>24" Radius Vertical Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1742    EA    6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	696.45 71.07	200.34
26 05 36 00-1743    EA    12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	767.58 76.72	230.50
26 05 36 00-1744    EA    18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	813.78 81.65	242.51
26 05 36 00-1745    EA    24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	870.89 87.99	255.85
26 05 36 00-1746    EA    30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	968.20 97.21	288.12
26 05 36 00-1747    EA    36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,104.08 106.62	353.91
<b>26 05 36 00-1748</b> <b>36" Radius Vertical Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1749    EA    6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	931.87 103.24	219.26
26 05 36 00-1750    EA    12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,013.81 109.95	252.78
26 05 36 00-1751    EA    18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,078.74 116.68	270.84
26 05 36 00-1752    EA    24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,125.05 120.74	288.12
26 05 36 00-1753    EA    30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,245.32 131.98	328.94
26 05 36 00-1754    EA    36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	774.65 46.40	418.74
<b>26 05 36 00-1755</b> <b>12" Radius Horizontal Crosses</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1756    EA    6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	568.58 50.39	209.37
26 05 36 00-1757    EA    12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	631.64 56.33	230.50
26 05 36 00-1758    EA    18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	733.66 64.92	270.84

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1759	EA		24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	868.86 75.51	328.94
26 05 36 00-1760	EA		30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	952.45 83.87	353.91
26 05 36 00-1761	EA		36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,100.85 95.13	419.99
<b>26 05 36 00-1762</b>			<b>24" Radius Horizontal Crosses</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1763	EA		6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	768.20 76.75	230.88
26 05 36 00-1764	EA		12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	870.89 87.99	255.85
26 05 36 00-1765	EA		18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	994.72 98.01	307.14
26 05 36 00-1766	EA		24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,225.83 119.68	385.22
26 05 36 00-1767	EA		30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,344.85 131.73	419.99
26 05 36 00-1768	EA		36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,525.44 143.37	512.67
<b>26 05 36 00-1769</b>			<b>36" Radius Horizontal Crosses</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1770	EA		6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,080.03 119.36	255.85
26 05 36 00-1771	EA		12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,186.05 129.89	288.12
26 05 36 00-1772	EA		18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,375.67 147.21	354.87
26 05 36 00-1773	EA		24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,623.55 166.58	461.77
26 05 36 00-1774	EA		30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,778.16 181.28	512.67
26 05 36 00-1775	EA		36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,040.97 210.10	576.25
<b>26 05 36 00-1776</b>			<b>Straight Reducers</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1777	EA		12"-6" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	217.90 21.70	65.88
26 05 36 00-1778	EA		18"-12" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	239.39 23.12	76.73
26 05 36 00-1779	EA		24"-18" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	263.23 25.01	86.82
26 05 36 00-1780	EA		30"-24" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	295.94 27.69	100.17
26 05 36 00-1781	EA		36"-30" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	327.72 29.98	115.06
<b>26 05 36 00-1782</b>			<b>Reducers</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1783	EA		18"-6" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	237.72 22.87	76.73
26 05 36 00-1784	EA		24"-12" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	261.75 24.76	87.01
26 05 36 00-1785	EA		30"-12" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	292.34 27.17	100.08
26 05 36 00-1786	EA		30"-18" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	293.97 27.42	100.08
26 05 36 00-1787	EA		36"-12" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	327.72 29.98	115.06
26 05 36 00-1788	EA		36"-18" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	329.46 30.24	115.06
26 05 36 00-1789	EA		36"-24" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	333.26 30.78	115.25
<b>26 05 36 00-1790</b>			<b>Dropout Or End Plate</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1791	EA		6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	70.07	28.81
26 05 36 00-1792	EA		12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	83.51	35.15
26 05 36 00-1793	EA		18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	99.33	41.69
26 05 36 00-1794	EA		24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	109.68	46.10
26 05 36 00-1795	EA		30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	123.64	51.19
26 05 36 00-1796	EA		36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	140.48	57.62
<b>26 05 36 00-1797</b>			<b>Vented Bottom Cable Tray</b> <small>(26 05 36 00-0001)</small> Note: 6" Height.		
<b>26 05 36 00-1798</b>			<b>Vented Bottom Galvanized Steel Cable Tray</b> <small>(26 05 36 00-1797)</small>		
26 05 36 00-1799	LF		6" Vented Bottom Steel Cable Tray, Straight Section ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	35.85 -2.74	10.09



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1800 LF 12" Vented Bottom Steel Cable Tray, Straight Section .....	42.35	11.52
For 4-5/8" Overall Height Instead Of 6", Deduct	-3.28	
26 05 36 00-1801 LF 18" Vented Bottom Steel Cable Tray, Straight Section .....	49.99	13.26
For 4-5/8" Overall Height Instead Of 6", Deduct	-3.89	
26 05 36 00-1802 LF 24" Vented Bottom Steel Cable Tray, Straight Section .....	57.38	15.17
For 4-5/8" Overall Height Instead Of 6", Deduct	-4.47	
26 05 36 00-1803 LF 30" Vented Bottom Steel Cable Tray, Straight Section .....	76.55	18.34
For 4-5/8" Overall Height Instead Of 6", Deduct	-6.12	
26 05 36 00-1804 LF 36" Vented Bottom Steel Cable Tray, Straight Section .....	89.88	23.05
For 4-5/8" Overall Height Instead Of 6", Deduct	-7.06	
<b>26 05 36 00-1805 Vented Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-1797)</small>		
<b>26 05 36 00-1806 90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1807 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray .....	319.27	121.40
For 4-5/8" Overall Height Instead Of 6", Deduct	-21.81	
26 05 36 00-1808 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray .....	412.64	164.23
For 4-5/8" Overall Height Instead Of 6", Deduct	-27.58	
26 05 36 00-1809 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray .....	508.62	209.37
For 4-5/8" Overall Height Instead Of 6", Deduct	-33.41	
26 05 36 00-1810 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray .....	624.05	256.34
For 4-5/8" Overall Height Instead Of 6", Deduct	-41.04	
26 05 36 00-1811 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray .....	704.22	288.70
For 4-5/8" Overall Height Instead Of 6", Deduct	-46.36	
26 05 36 00-1812 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray .....	807.48	329.61
For 4-5/8" Overall Height Instead Of 6", Deduct	-53.28	
<b>26 05 36 00-1813 90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1814 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray .....	385.99	127.93
For 4-5/8" Overall Height Instead Of 6", Deduct	-27.94	
26 05 36 00-1815 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray .....	494.70	177.38
For 4-5/8" Overall Height Instead Of 6", Deduct	-34.69	
26 05 36 00-1816 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray .....	624.72	230.50
For 4-5/8" Overall Height Instead Of 6", Deduct	-43.26	
26 05 36 00-1817 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray .....	751.37	288.12
For 4-5/8" Overall Height Instead Of 6", Deduct	-51.13	
26 05 36 00-1818 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray .....	808.80	297.63
For 4-5/8" Overall Height Instead Of 6", Deduct	-56.08	
26 05 36 00-1819 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray .....	1,003.30	384.16
For 4-5/8" Overall Height Instead Of 6", Deduct	-68.32	
<b>26 05 36 00-1820 90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1821 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray .....	483.50	135.23
For 4-5/8" Overall Height Instead Of 6", Deduct	-37.08	
26 05 36 00-1822 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray .....	615.79	192.37
For 4-5/8" Overall Height Instead Of 6", Deduct	-45.55	
26 05 36 00-1823 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray .....	781.50	256.34
For 4-5/8" Overall Height Instead Of 6", Deduct	-56.79	
26 05 36 00-1824 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray .....	922.14	328.94
For 4-5/8" Overall Height Instead Of 6", Deduct	-64.81	
26 05 36 00-1825 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray .....	1,060.16	384.16
For 4-5/8" Overall Height Instead Of 6", Deduct	-74.00	
26 05 36 00-1826 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray .....	1,235.09	460.22
For 4-5/8" Overall Height Instead Of 6", Deduct	-85.15	
<b>26 05 36 00-1827 45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1828 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray .....	293.70	121.49
For 4-5/8" Overall Height Instead Of 6", Deduct	-19.25	
26 05 36 00-1829 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray .....	382.09	164.23
For 4-5/8" Overall Height Instead Of 6", Deduct	-24.52	
26 05 36 00-1830 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray .....	473.00	209.08
For 4-5/8" Overall Height Instead Of 6", Deduct	-29.88	
26 05 36 00-1831 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray .....	579.99	255.85
For 4-5/8" Overall Height Instead Of 6", Deduct	-36.68	
26 05 36 00-1832 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray .....	655.15	288.70
For 4-5/8" Overall Height Instead Of 6", Deduct	-41.46	
26 05 36 00-1833 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray .....	749.46	328.94
For 4-5/8" Overall Height Instead Of 6", Deduct	-47.54	
<b>26 05 36 00-1834 45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1835 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray .....	348.19	128.03
For 4-5/8" Overall Height Instead Of 6", Deduct	-24.15	
26 05 36 00-1836 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray .....	450.91	177.38
For 4-5/8" Overall Height Instead Of 6", Deduct	-30.31	
26 05 36 00-1837 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray .....	572.41	230.88
For 4-5/8" Overall Height Instead Of 6", Deduct	-38.00	
26 05 36 00-1838 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray .....	691.72	288.12
For 4-5/8" Overall Height Instead Of 6", Deduct	-45.16	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1839	EA		30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	793.35	329.61
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.86	
26 05 36 00-1840	EA		36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	923.44	384.16
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-60.33	
<b>26 05 36 00-1841</b>			<b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1842	EA		6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray .....	427.15	135.52
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.42	
26 05 36 00-1843	EA		12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	549.99	191.80
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-39.01	
26 05 36 00-1844	EA		18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	703.56	256.34
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-48.99	
26 05 36 00-1845	EA		24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	841.12	329.61
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.64	
26 05 36 00-1846	EA		30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	967.79	384.16
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.77	
26 05 36 00-1847	EA		36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,134.59	461.77
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-74.98	
<b>26 05 36 00-1848</b>			<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1849	EA		6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray .....	352.65	121.01
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-25.18	
26 05 36 00-1850	EA		12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray .....	442.16	164.23
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.53	
26 05 36 00-1851	EA		18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray .....	519.56	209.37
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.51	
26 05 36 00-1852	EA		24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray .....	621.86	256.34
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.82	
26 05 36 00-1853	EA		30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray .....	680.17	288.70
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-43.96	
26 05 36 00-1854	EA		36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray .....	758.12	328.94
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-48.40	
<b>26 05 36 00-1855</b>			<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1856	EA		6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray .....	429.73	127.93
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.31	
26 05 36 00-1857	EA		12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray .....	525.31	177.38
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.75	
26 05 36 00-1858	EA		18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray .....	637.84	230.50
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-44.58	
26 05 36 00-1859	EA		24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray .....	742.63	288.12
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-50.25	
26 05 36 00-1860	EA		30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray .....	843.41	328.94
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.93	
26 05 36 00-1861	EA		36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray .....	948.63	384.16
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-62.85	
<b>26 05 36 00-1862</b>			<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1863	EA		6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray .....	518.49	135.23
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.58	
26 05 36 00-1864	EA		12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray .....	631.10	192.37
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-47.08	
26 05 36 00-1865	EA		18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray .....	772.76	256.34
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-55.91	
26 05 36 00-1866	EA		24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray .....	917.76	328.94
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.37	
26 05 36 00-1867	EA		30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray .....	1,018.61	384.16
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-69.85	
26 05 36 00-1868	EA		36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray .....	1,186.98	460.22
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-80.34	
<b>26 05 36 00-1869</b>			<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1870	EA		6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray .....	561.30	230.50
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.92	
26 05 36 00-1871	EA		12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray .....	676.07	287.54
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-43.64	
26 05 36 00-1872	EA		18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray .....	772.49	329.61
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.78	
26 05 36 00-1873	EA		24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray .....	898.33	384.16
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-57.82	
26 05 36 00-1874	EA		30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray .....	993.20	418.74
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.42	
26 05 36 00-1875	EA		36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray .....	1,090.76	460.22
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-70.72	
<b>26 05 36 00-1876</b>			<b>24" Radius Horizontal Tees</b> <small>(26 05 36 00-1805)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1877 EA 6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	719.51	255.85
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-50.63	
26 05 36 00-1878 EA 12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	867.46	328.94
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-59.34	
26 05 36 00-1879 EA 18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	996.74	384.16
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-67.66	
26 05 36 00-1880 EA 24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,230.72	460.22
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-84.72	
26 05 36 00-1881 EA 30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,357.43	512.67
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-93.02	
26 05 36 00-1882 EA 36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,515.88	576.25
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-103.57	
<b>26 05 36 00-1883 36" Radius Horizontal Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1884 EA 6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	900.08	288.12
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-66.00	
26 05 36 00-1885 EA 12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,119.21	384.16
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-79.91	
26 05 36 00-1886 EA 18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,292.22	461.77
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-90.74	
26 05 36 00-1887 EA 24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,590.23	576.25
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-111.00	
26 05 36 00-1888 EA 30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,768.38	660.85
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-121.77	
26 05 36 00-1889 EA 36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	2,064.42	766.31
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-142.59	
<b>26 05 36 00-1890 12" Radius Vertical Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1891 EA 6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	679.39	230.50
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-48.73	
26 05 36 00-1892 EA 12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	779.80	288.12
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.97	
26 05 36 00-1893 EA 18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	818.11	307.14
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.21	
26 05 36 00-1894 EA 24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	871.84	328.94
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-59.78	
26 05 36 00-1895 EA 30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	934.73	354.87
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-63.90	
26 05 36 00-1896 EA 36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,047.87	418.74
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-69.89	
<b>26 05 36 00-1897 24" Radius Vertical Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1898 EA 6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	822.30	255.85
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-60.91	
26 05 36 00-1899 EA 12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	963.69	328.94
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-68.96	
26 05 36 00-1900 EA 18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,026.58	354.87
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-73.09	
26 05 36 00-1901 EA 24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,108.27	384.16
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-78.81	
26 05 36 00-1902 EA 30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,190.02	418.74
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-84.10	
26 05 36 00-1903 EA 36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,388.05	512.67
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-96.08	
<b>26 05 36 00-1904 36" Radius Vertical Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1905 EA 6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,109.07	287.54
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-86.94	
26 05 36 00-1906 EA 12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,285.41	384.16
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-96.53	
26 05 36 00-1907 EA 18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,364.97	418.74
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-101.60	
26 05 36 00-1908 EA 24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,480.30	461.77
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-109.55	
26 05 36 00-1909 EA 30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,674.53	512.67
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-124.73	
26 05 36 00-1910 EA 36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,927.37	657.79
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-137.92	
<b>26 05 36 00-1911 12" Radius Horizontal Crosses</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1912 EA 6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	707.64	288.12
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.75	
26 05 36 00-1913 EA 12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	779.05	329.61
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-50.43	
26 05 36 00-1914 EA 18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	896.14	384.16
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-57.60	
26 05 36 00-1915 EA 24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,036.09	460.22
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-65.25	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1916	EA		30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,153.22	510.85
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-72.75	
26 05 36 00-1917	EA		36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,299.38	576.25
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-81.92	
<b>26 05 36 00-1918</b>			<b>24" Radius Horizontal Crosses</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1919	EA		6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	905.89	329.61
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-63.12	
26 05 36 00-1920	EA		12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,014.24	384.16
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-69.41	
26 05 36 00-1921	EA		18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,178.23	460.22
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-79.47	
26 05 36 00-1922	EA		24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,483.07	576.25
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-100.29	
26 05 36 00-1923	EA		30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,673.70	657.79
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-112.55	
26 05 36 00-1924	EA		36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,889.47	766.31
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-125.09	
<b>26 05 36 00-1925</b>			<b>36" Radius Horizontal Crosses</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1926	EA		6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,241.67	384.16
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-92.15	
26 05 36 00-1927	EA		12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,401.57	461.77
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-101.68	
26 05 36 00-1928	EA		18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,605.54	576.25
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-112.53	
26 05 36 00-1929	EA		24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	2,060.31	770.35
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-141.83	
26 05 36 00-1930	EA		30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	2,391.99	923.44
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-162.24	
26 05 36 00-1931	EA		36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	2,839.31	1,152.50
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-187.89	
<b>26 05 36 00-1932</b>			<b>Straight Reducers</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1933	EA		12"-6" Reducer, Vented Bottom, Steel Cable Tray .....	274.00	98.15
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.22	
26 05 36 00-1934	EA		18"-12" Reducer, Vented Bottom, Steel Cable Tray .....	297.54	109.68
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-20.62	
26 05 36 00-1935	EA		24"-18" Reducer, Vented Bottom, Steel Cable Tray .....	335.51	127.83
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-22.90	
26 05 36 00-1936	EA		30"-24" Reducer, Vented Bottom, Steel Cable Tray .....	366.94	144.06
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-24.69	
26 05 36 00-1937	EA		36"-30" Reducer, Vented Bottom, Steel Cable Tray .....	400.02	158.66
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.78	
<b>26 05 36 00-1938</b>			<b>Reducers</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1939	EA		18"-6" Reducer, Vented Bottom, Steel Cable Tray .....	297.54	109.68
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-20.62	
26 05 36 00-1940	EA		24"-12" Reducer, Vented Bottom, Steel Cable Tray .....	333.71	128.03
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-22.70	
26 05 36 00-1941	EA		30"-12" Reducer, Vented Bottom, Steel Cable Tray .....	364.51	143.87
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-24.46	
26 05 36 00-1942	EA		30"-18" Reducer, Vented Bottom, Steel Cable Tray .....	366.46	143.77
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-24.67	
26 05 36 00-1943	EA		36"-12" Reducer, Vented Bottom, Steel Cable Tray .....	397.83	158.66
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.56	
26 05 36 00-1944	EA		36"-18" Reducer, Vented Bottom, Steel Cable Tray .....	400.02	158.66
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.78	
26 05 36 00-1945	EA		36"-24" Reducer, Vented Bottom, Steel Cable Tray .....	402.78	159.04
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-27.03	
<b>26 05 36 00-1946</b>			<b>Dropout Or End Plate</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1947	EA		6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	85.41	35.44
26 05 36 00-1948	EA		12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	101.51	41.59
26 05 36 00-1949	EA		18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	111.83	45.91
26 05 36 00-1950	EA		24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	125.96	51.19
26 05 36 00-1951	EA		30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	139.45	57.53
26 05 36 00-1952	EA		36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	162.77	68.76
<b>26 05 36 00-1953</b>			<b>Vented Bottom Aluminum Cable Tray</b> <small>(26 05 36 00-1797)</small>		
26 05 36 00-1954	LF		6" Vented Bottom Aluminum Cable Tray, Straight Section .....	32.22	7.49
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.59	
26 05 36 00-1955	LF		9" Vented Bottom Aluminum Cable Tray, Straight Section .....	35.79	8.26
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.89	
26 05 36 00-1956	LF		12" Vented Bottom Aluminum Cable Tray, Straight Section .....	40.04	9.22
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.24	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1957 LF 18" Vented Bottom Aluminum Cable Tray, Straight Section .....	46.76	10.28
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.82	
26 05 36 00-1958 LF 24" Vented Bottom Aluminum Cable Tray, Straight Section .....	53.79	11.43
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-4.43	
26 05 36 00-1959 LF 30" Vented Bottom Aluminum Cable Tray, Straight Section .....	68.71	13.16
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-5.78	
26 05 36 00-1960 LF 36" Vented Bottom Aluminum Cable Tray, Straight Section .....	76.23	15.46
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-6.34	
<b>26 05 36 00-1961 Vented Bottom Aluminum Cable Tray Fittings (26 05 36 00-1797)</b>		
<b>26 05 36 00-1962 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1961)</b>		
26 05 36 00-1963 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	370.03	121.40
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.89	
26 05 36 00-1964 EA 9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	402.02	131.77
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.22	
26 05 36 00-1965 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	441.78	148.38
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.81	
26 05 36 00-1966 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	500.19	164.42
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.32	
26 05 36 00-1967 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	596.98	200.63
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.98	
26 05 36 00-1968 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	708.15	230.88
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.58	
26 05 36 00-1969 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	779.77	256.34
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.62	
<b>26 05 36 00-1970 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1961)</b>		
26 05 36 00-1971 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	456.36	127.93
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.97	
26 05 36 00-1972 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	549.48	159.04
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.70	
26 05 36 00-1973 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	623.92	177.38
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-47.61	
26 05 36 00-1974 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	739.88	219.26
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-55.72	
26 05 36 00-1975 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	853.64	255.47
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.08	
26 05 36 00-1976 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	942.15	288.12
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-70.21	
<b>26 05 36 00-1977 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1961)</b>		
26 05 36 00-1978 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	568.27	135.23
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.55	
26 05 36 00-1979 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	676.26	170.86
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.39	
26 05 36 00-1980 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	765.50	192.37
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-60.52	
26 05 36 00-1981 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	890.48	242.51
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-68.84	
26 05 36 00-1982 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	963.04	235.02
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-76.72	
26 05 36 00-1983 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,168.17	328.94
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-89.41	
<b>26 05 36 00-1984 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1961)</b>		
26 05 36 00-1985 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	333.29	121.49
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.21	
26 05 36 00-1986 EA 9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	362.10	131.96
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-25.22	
26 05 36 00-1987 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	398.99	148.38
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-27.54	
26 05 36 00-1988 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	450.14	164.23
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.33	
26 05 36 00-1989 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	538.76	200.34
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.18	
26 05 36 00-1990 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	637.01	230.88
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-44.46	
26 05 36 00-1991 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	701.45	255.85
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-48.82	
<b>26 05 36 00-1992 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1961)</b>		
26 05 36 00-1993 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	403.07	128.03
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.64	
26 05 36 00-1994 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	486.89	159.04
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.44	
26 05 36 00-1995 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	552.08	177.68
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.41	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1996	EA		24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	658.06	219.64
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-47.51	
26 05 36 00-1997	EA		30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	761.00	256.34
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-54.74	
26 05 36 00-1998	EA		36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	840.52	288.12
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-60.04	
<b>26 05 36 00-1999</b>			<b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2000	EA		6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	493.27	135.52
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-38.03	
26 05 36 00-2001	EA		9" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	589.47	170.48
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-44.74	
26 05 36 00-2002	EA		18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	667.61	192.37
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-50.73	
26 05 36 00-2003	EA		24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	784.18	242.99
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-58.17	
26 05 36 00-2004	EA		30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	897.83	271.32
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-67.17	
26 05 36 00-2005	EA		36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,033.02	329.61
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-75.83	
<b>26 05 36 00-2006</b>			<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2007	EA		6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	405.99	121.01
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.51	
26 05 36 00-2008	EA		9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	435.46	131.48
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.59	
26 05 36 00-2009	EA		12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	466.09	148.38
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.25	
26 05 36 00-2010	EA		18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	500.19	164.42
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.32	
26 05 36 00-2011	EA		24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	584.83	200.63
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.76	
26 05 36 00-2012	EA		30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	647.36	230.88
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.50	
26 05 36 00-2013	EA		36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	691.49	255.85
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-47.83	
<b>26 05 36 00-2014</b>			<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2015	EA		6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	487.97	127.93
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-38.14	
26 05 36 00-2016	EA		12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	564.06	159.04
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-43.16	
26 05 36 00-2017	EA		18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	621.49	177.38
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-47.36	
26 05 36 00-2018	EA		24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	696.67	219.64
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.37	
26 05 36 00-2019	EA		30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	774.15	255.85
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.09	
26 05 36 00-2020	EA		36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	844.90	288.12
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-60.48	
<b>26 05 36 00-2021</b>			<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2022	EA		6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	565.84	135.23
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.31	
26 05 36 00-2023	EA		12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	649.51	170.86
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-50.71	
26 05 36 00-2024	EA		18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	729.03	192.37
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.88	
26 05 36 00-2025	EA		24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	846.71	242.51
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.46	
26 05 36 00-2026	EA		30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	938.44	271.32
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-71.24	
26 05 36 00-2027	EA		36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	1,049.04	328.94
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-77.50	
<b>26 05 36 00-2028</b>			<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2029	EA		6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	639.45	230.50
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-44.74	
26 05 36 00-2030	EA		9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	666.79	242.51
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.47	
26 05 36 00-2031	EA		12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	710.19	255.47
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.73	
26 05 36 00-2032	EA		18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	811.82	288.70
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-57.12	
26 05 36 00-2033	EA		24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	927.47	328.94
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-65.34	
26 05 36 00-2034	EA		30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	1,046.31	384.16
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-72.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2035 EA 36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,159.92 -81.09	418.74
<b>26 05 36 00-2036 24" Radius Horizontal Tees</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2037 EA 6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	815.48 -60.22	255.85
26 05 36 00-2038 EA 12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	921.75 -68.21	287.54
26 05 36 00-2039 EA 18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,034.45 -76.04	328.94
26 05 36 00-2040 EA 24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,246.41 -92.71	383.11
26 05 36 00-2041 EA 30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,426.02 -104.12	461.77
26 05 36 00-2042 EA 36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,620.32 -119.31	512.67
<b>26 05 36 00-2043 36" Radius Horizontal Tees</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2044 EA 6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,105.05 -86.50	288.12
26 05 36 00-2045 EA 12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,265.43 -99.13	328.94
26 05 36 00-2046 EA 18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,349.25 -108.19	320.88
26 05 36 00-2047 EA 24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,715.32 -133.18	460.22
26 05 36 00-2048 EA 30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,973.28 -149.11	578.55
26 05 36 00-2049 EA 36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,263.40 -171.52	657.79
<b>26 05 36 00-2050 12" Radius Vertical Tees</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2051 EA 6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	734.27 -54.22	230.50
26 05 36 00-2052 EA 9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	756.75 -55.46	242.51
26 05 36 00-2053 EA 12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	805.76 -59.25	255.85
26 05 36 00-2054 EA 18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	833.89 -60.78	271.32
26 05 36 00-2055 EA 24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	870.70 -63.11	287.54
26 05 36 00-2056 EA 30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	920.42 -66.44	307.14
26 05 36 00-2057 EA 36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,015.42 -72.05	353.91
<b>26 05 36 00-2058 24" Radius Vertical Tees</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2059 EA 6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	922.46 -70.92	255.85
26 05 36 00-2060 EA 12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,014.14 -77.45	287.54
26 05 36 00-2061 EA 18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,083.31 -82.73	307.14
26 05 36 00-2062 EA 24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,156.02 -88.19	328.94
26 05 36 00-2063 EA 30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,246.40 -95.14	353.91
26 05 36 00-2064 EA 36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,368.62 -101.86	419.99
<b>26 05 36 00-2065 36" Radius Vertical Tees</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2066 EA 6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,245.12 -100.55	287.54
26 05 36 00-2067 EA 12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,362.68 -108.86	328.94
26 05 36 00-2068 EA 18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,428.75 -113.38	353.91
26 05 36 00-2069 EA 24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,541.58 -122.06	385.22
26 05 36 00-2070 EA 30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,672.54 -132.25	419.99
26 05 36 00-2071 EA 36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,872.59 -144.69	510.85
<b>26 05 36 00-2072 12" Radius Horizontal Crosses</b> <small>(26 05 36 00-1961)</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2073 EA 6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	744.98	255.85
For 4-5/8" Overall Height Instead Of 6", Deduct	-53.17	
26 05 36 00-2074 EA 9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	792.56	271.32
For 4-5/8" Overall Height Instead Of 6", Deduct	-56.65	
26 05 36 00-2075 EA 12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	831.27	288.70
For 4-5/8" Overall Height Instead Of 6", Deduct	-59.07	
26 05 36 00-2076 EA 18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	915.31	328.94
For 4-5/8" Overall Height Instead Of 6", Deduct	-64.12	
26 05 36 00-2077 EA 24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,047.04	383.11
For 4-5/8" Overall Height Instead Of 6", Deduct	-72.78	
26 05 36 00-2078 EA 30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,191.94	417.58
For 4-5/8" Overall Height Instead Of 6", Deduct	-84.40	
26 05 36 00-2079 EA 36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,452.56	512.67
For 4-5/8" Overall Height Instead Of 6", Deduct	-102.53	
<b>26 05 36 00-2080 24" Radius Horizontal Crosses (26 05 36 00-1961)</b>		
26 05 36 00-2081 EA 6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,052.52	288.70
For 4-5/8" Overall Height Instead Of 6", Deduct	-81.19	
26 05 36 00-2082 EA 12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,173.03	328.94
For 4-5/8" Overall Height Instead Of 6", Deduct	-89.89	
26 05 36 00-2083 EA 18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,312.05	383.11
For 4-5/8" Overall Height Instead Of 6", Deduct	-99.28	
26 05 36 00-2084 EA 24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,545.13	460.22
For 4-5/8" Overall Height Instead Of 6", Deduct	-116.16	
26 05 36 00-2085 EA 30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,690.24	510.85
For 4-5/8" Overall Height Instead Of 6", Deduct	-126.45	
26 05 36 00-2086 EA 36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	2,044.58	657.79
For 4-5/8" Overall Height Instead Of 6", Deduct	-149.64	
<b>26 05 36 00-2087 36" Radius Horizontal Crosses (26 05 36 00-1961)</b>		
26 05 36 00-2088 EA 6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,484.25	328.94
For 4-5/8" Overall Height Instead Of 6", Deduct	-121.02	
26 05 36 00-2089 EA 12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,638.83	385.22
For 4-5/8" Overall Height Instead Of 6", Deduct	-131.78	
26 05 36 00-2090 EA 18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,849.05	460.22
For 4-5/8" Overall Height Instead Of 6", Deduct	-146.55	
26 05 36 00-2091 EA 24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	2,216.41	578.55
For 4-5/8" Overall Height Instead Of 6", Deduct	-173.43	
26 05 36 00-2092 EA 30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	2,462.93	660.85
For 4-5/8" Overall Height Instead Of 6", Deduct	-191.22	
26 05 36 00-2093 EA 36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	2,857.51	766.31
For 4-5/8" Overall Height Instead Of 6", Deduct	-221.89	
<b>26 05 36 00-2094 Straight Reducers (26 05 36 00-1961)</b>		
26 05 36 00-2095 EA 9"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	283.74	76.83
For 4-5/8" Overall Height Instead Of 6", Deduct	-21.97	
26 05 36 00-2096 EA 12"-9" Reducer, Vented Bottom, Aluminum Cable Tray.....	297.79	80.97
For 4-5/8" Overall Height Instead Of 6", Deduct	-23.03	
26 05 36 00-2097 EA 18"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	335.03	95.95
For 4-5/8" Overall Height Instead Of 6", Deduct	-25.50	
26 05 36 00-2098 EA 24"-18" Reducer, Vented Bottom, Aluminum Cable Tray.....	369.80	109.59
For 4-5/8" Overall Height Instead Of 6", Deduct	-27.85	
26 05 36 00-2099 EA 30"-24" Reducer, Vented Bottom, Aluminum Cable Tray.....	405.51	128.03
For 4-5/8" Overall Height Instead Of 6", Deduct	-29.88	
26 05 36 00-2100 EA 36"-30" Reducer, Vented Bottom, Aluminum Cable Tray.....	438.99	143.77
For 4-5/8" Overall Height Instead Of 6", Deduct	-31.92	
<b>26 05 36 00-2101 Reducers (26 05 36 00-1961)</b>		
26 05 36 00-2102 EA 12"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	297.57	80.78
For 4-5/8" Overall Height Instead Of 6", Deduct	-23.02	
26 05 36 00-2103 EA 18"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	334.92	95.95
For 4-5/8" Overall Height Instead Of 6", Deduct	-25.50	
26 05 36 00-2104 EA 18"-9" Reducer, Vented Bottom, Aluminum Cable Tray.....	334.92	95.95
For 4-5/8" Overall Height Instead Of 6", Deduct	-25.50	
26 05 36 00-2105 EA 24"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	369.94	109.68
For 4-5/8" Overall Height Instead Of 6", Deduct	-27.86	
26 05 36 00-2106 EA 24"-9" Reducer, Vented Bottom, Aluminum Cable Tray.....	369.94	109.68
For 4-5/8" Overall Height Instead Of 6", Deduct	-27.86	
26 05 36 00-2107 EA 24"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	370.21	109.78
For 4-5/8" Overall Height Instead Of 6", Deduct	-27.87	
26 05 36 00-2108 EA 30"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	410.17	127.93
For 4-5/8" Overall Height Instead Of 6", Deduct	-30.36	
26 05 36 00-2109 EA 30"-18" Reducer, Vented Bottom, Aluminum Cable Tray.....	405.12	127.83
For 4-5/8" Overall Height Instead Of 6", Deduct	-29.86	
26 05 36 00-2110 EA 36"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	438.99	143.77
For 4-5/8" Overall Height Instead Of 6", Deduct	-31.92	
26 05 36 00-2111 EA 36"-18" Reducer, Vented Bottom, Aluminum Cable Tray.....	438.99	143.77
For 4-5/8" Overall Height Instead Of 6", Deduct	-31.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2112 EA 36"-24" Reducer, Vented Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	439.47 -31.94	144.06
<b>26 05 36 00-2113 Dropout Or End Plate</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2114 EA 6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray .....	90.91	35.44
26 05 36 00-2115 EA 9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray .....	99.21	38.71
26 05 36 00-2116 EA 12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray .....	106.94	41.59
26 05 36 00-2117 EA 18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray .....	121.85	45.91
26 05 36 00-2118 EA 24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray .....	140.10	51.19
26 05 36 00-2119 EA 30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray .....	154.28	57.53
26 05 36 00-2120 EA 36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray .....	176.65	65.88
<b>26 05 36 00-2121 Covers And Dividers</b> <small>(26 05 36 00-0001)</small>		
<b>26 05 36 00-2122 Galvanized Steel Covers</b> <small>(26 05 36 00-2121)</small>		
<b>26 05 36 00-2123 Ventilated Straight Sections</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2124 LF 6" Steel Cable Tray Cover, Straight Section .....	9.82	1.72
26 05 36 00-2125 LF 9" Steel Cable Tray Cover, Straight Section .....	11.89	2.02
26 05 36 00-2126 LF 12" Steel Cable Tray Cover, Straight Section .....	14.00	2.31
26 05 36 00-2127 LF 18" Steel Cable Tray Cover, Straight Section .....	19.00	3.07
26 05 36 00-2128 LF 24" Steel Cable Tray Cover, Straight Section .....	23.99	4.13
26 05 36 00-2129 LF 30" Steel Cable Tray Cover, Straight Section .....	29.07	5.09
26 05 36 00-2130 LF 36" Steel Cable Tray Cover, Straight Section .....	119.74	57.72
<b>26 05 36 00-2131 90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2132 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	61.67	6.15
26 05 36 00-2133 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	68.86	7.20
26 05 36 00-2134 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	74.32	8.54
26 05 36 00-2135 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	101.34	10.95
26 05 36 00-2136 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	123.86	13.93
26 05 36 00-2137 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	150.34	15.46
26 05 36 00-2138 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	181.66	18.44
<b>26 05 36 00-2139 90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2140 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	96.61	6.82
26 05 36 00-2141 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	100.74	7.97
26 05 36 00-2142 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	113.36	9.61
26 05 36 00-2143 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	140.55	12.19
26 05 36 00-2144 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	172.16	15.36
26 05 36 00-2145 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	221.98	17.67
26 05 36 00-2146 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	258.02	20.94
<b>26 05 36 00-2147 90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2148 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover .....	137.40	7.68
26 05 36 00-2149 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover .....	152.56	8.83
26 05 36 00-2150 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover .....	164.79	10.95
26 05 36 00-2151 EA 18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover .....	209.41	12.78
26 05 36 00-2152 EA 24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover .....	252.60	17.77
26 05 36 00-2153 EA 30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover .....	298.03	20.08
26 05 36 00-2154 EA 36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover .....	348.90	23.05
<b>26 05 36 00-2155 45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2156 EA 6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	46.81	6.15
<i>For 60 Degree Bend, Deduct</i>	-13.08	
<i>For 30 Degree Bend, Deduct</i>	-22.14	
26 05 36 00-2157 EA 9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	55.74	7.20
<i>For 60 Degree Bend, Deduct</i>	-15.63	
<i>For 30 Degree Bend, Deduct</i>	-26.46	
26 05 36 00-2158 EA 12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	62.29	8.54
<i>For 60 Degree Bend, Deduct</i>	-17.29	
<i>For 30 Degree Bend, Deduct</i>	-29.30	
26 05 36 00-2159 EA 18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	75.39	10.47
<i>For 60 Degree Bend, Deduct</i>	-20.87	
<i>For 30 Degree Bend, Deduct</i>	-35.36	
26 05 36 00-2160 EA 24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	88.04	12.10
<i>For 60 Degree Bend, Deduct</i>	-24.40	
<i>For 30 Degree Bend, Deduct</i>	-41.33	
26 05 36 00-2161 EA 30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	103.10	13.93
<i>For 60 Degree Bend, Deduct</i>	-28.67	
<i>For 30 Degree Bend, Deduct</i>	-48.56	
26 05 36 00-2162 EA 36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	115.27	15.36
<i>For 60 Degree Bend, Deduct</i>	-32.15	
<i>For 30 Degree Bend, Deduct</i>	-54.44	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2163			<b>45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2164	EA		6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	64.91	6.82
			<i>For 60 Degree Bend, Deduct</i>	-18.81	
			<i>For 30 Degree Bend, Deduct</i>	-31.74	
26 05 36 00-2165	EA		9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	73.40	7.97
			<i>For 60 Degree Bend, Deduct</i>	-21.17	
			<i>For 30 Degree Bend, Deduct</i>	-35.73	
26 05 36 00-2166	EA		12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	83.83	9.61
			<i>For 60 Degree Bend, Deduct</i>	-23.97	
			<i>For 30 Degree Bend, Deduct</i>	-40.49	
26 05 36 00-2167	EA		18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	96.87	11.52
			<i>For 60 Degree Bend, Deduct</i>	-27.54	
			<i>For 30 Degree Bend, Deduct</i>	-46.54	
26 05 36 00-2168	EA		24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	111.65	13.16
			<i>For 60 Degree Bend, Deduct</i>	-31.79	
			<i>For 30 Degree Bend, Deduct</i>	-53.71	
26 05 36 00-2169	EA		30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	139.39	15.36
			<i>For 60 Degree Bend, Deduct</i>	-40.09	
			<i>For 30 Degree Bend, Deduct</i>	-67.68	
26 05 36 00-2170	EA		36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	154.23	17.77
			<i>For 60 Degree Bend, Deduct</i>	-44.09	
			<i>For 30 Degree Bend, Deduct</i>	-74.47	
26 05 36 00-2171			<b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2172	EA		6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	90.40	7.68
			<i>For 60 Degree Bend, Deduct</i>	-26.89	
			<i>For 30 Degree Bend, Deduct</i>	-45.25	
26 05 36 00-2173	EA		9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	102.27	8.83
			<i>For 60 Degree Bend, Deduct</i>	-30.35	
			<i>For 30 Degree Bend, Deduct</i>	-51.07	
26 05 36 00-2174	EA		12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	114.44	10.95
			<i>For 60 Degree Bend, Deduct</i>	-33.57	
			<i>For 30 Degree Bend, Deduct</i>	-56.57	
26 05 36 00-2175	EA		18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	130.73	12.19
			<i>For 60 Degree Bend, Deduct</i>	-38.47	
			<i>For 30 Degree Bend, Deduct</i>	-64.80	
26 05 36 00-2176	EA		24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	159.30	14.88
			<i>For 60 Degree Bend, Deduct</i>	-46.86	
			<i>For 30 Degree Bend, Deduct</i>	-78.93	
26 05 36 00-2177	EA		30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	176.10	17.77
			<i>For 60 Degree Bend, Deduct</i>	-51.31	
			<i>For 30 Degree Bend, Deduct</i>	-86.50	
26 05 36 00-2178	EA		36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	209.18	19.20
			<i>For 60 Degree Bend, Deduct</i>	-61.66	
			<i>For 30 Degree Bend, Deduct</i>	-103.84	
26 05 36 00-2179			<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2180	EA		6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	53.12	6.15
26 05 36 00-2181	EA		9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	55.74	7.20
26 05 36 00-2182	EA		12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	61.20	8.54
26 05 36 00-2183	EA		18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	71.05	10.47
26 05 36 00-2184	EA		24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	77.26	13.54
26 05 36 00-2185	EA		30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	85.83	15.46
26 05 36 00-2186	EA		36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	108.33	18.44
26 05 36 00-2187			<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2188	EA		6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	63.81	6.82
26 05 36 00-2189	EA		9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	71.21	7.97
26 05 36 00-2190	EA		12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	76.18	9.61
26 05 36 00-2191	EA		18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	99.02	11.52
26 05 36 00-2192	EA		24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	114.44	14.88
26 05 36 00-2193	EA		30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	131.23	17.77
26 05 36 00-2194	EA		36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	150.86	20.94
26 05 36 00-2195			<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2196	EA		6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	73.98	7.68
26 05 36 00-2197	EA		9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	92.42	8.83
26 05 36 00-2198	EA		12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	105.75	10.95
26 05 36 00-2199	EA		18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	130.73	12.19
26 05 36 00-2200	EA		24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	150.87	17.00
26 05 36 00-2201	EA		30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	179.94	20.08
26 05 36 00-2202	EA		36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	211.12	23.05
26 05 36 00-2203			<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2204	EA		6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	94.34	9.99
26 05 36 00-2205	EA		9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	99.02	11.52
26 05 36 00-2206	EA		12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	112.18	13.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2207 EA 18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	135.01	15.36
26 05 36 00-2208 EA 24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	167.35	17.77
26 05 36 00-2209 EA 30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	204.44	25.55
26 05 36 00-2210 EA 36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	245.73	30.64
<b>26 05 36 00-2211 24" Radius Horizontal Tees</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2212 EA 6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	139.94	10.47
26 05 36 00-2213 EA 9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	160.24	12.19
26 05 36 00-2214 EA 12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	168.32	14.41
26 05 36 00-2215 EA 18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	213.35	16.52
26 05 36 00-2216 EA 24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	316.22	19.20
26 05 36 00-2217 EA 30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	371.71	28.81
26 05 36 00-2218 EA 36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	415.52	35.44
<b>26 05 36 00-2219 36" Radius Horizontal Tees</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2220 EA 6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	239.12	10.95
26 05 36 00-2221 EA 9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	246.57	12.78
26 05 36 00-2222 EA 12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	274.94	15.36
26 05 36 00-2223 EA 18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	322.66	17.77
26 05 36 00-2224 EA 24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	419.85	20.94
26 05 36 00-2225 EA 30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	472.71	33.04
26 05 36 00-2226 EA 36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	544.18	41.78
<b>26 05 36 00-2227 12" Radius Horizontal Crosses</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2228 EA 6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	138.47	13.54
26 05 36 00-2229 EA 9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	146.48	14.41
26 05 36 00-2230 EA 12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	162.35	15.36
26 05 36 00-2231 EA 18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	191.41	17.77
26 05 36 00-2232 EA 24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	239.39	25.55
26 05 36 00-2233 EA 30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	276.30	30.64
26 05 36 00-2234 EA 36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	317.27	32.94
<b>26 05 36 00-2235 24" Radius Horizontal Crosses</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2236 EA 6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	244.91	14.41
26 05 36 00-2237 EA 9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	266.20	15.36
26 05 36 00-2238 EA 12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	285.52	16.52
26 05 36 00-2239 EA 18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	340.28	19.20
26 05 36 00-2240 EA 24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	424.16	28.81
26 05 36 00-2241 EA 30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	483.24	35.44
26 05 36 00-2242 EA 36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	540.63	38.32
<b>26 05 36 00-2243 36" Radius Horizontal Crosses</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2244 EA 6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	395.22	15.36
26 05 36 00-2245 EA 9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	410.17	16.52
26 05 36 00-2246 EA 12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	432.01	17.77
26 05 36 00-2247 EA 18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	498.58	20.94
26 05 36 00-2248 EA 24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	645.44	32.94
26 05 36 00-2249 EA 30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	704.14	41.97
26 05 36 00-2250 EA 36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	754.76	46.10
<b>26 05 36 00-2251 Reducers</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2252 EA 9"-6" Reducer, Steel Cable Tray Covers.....	61.21	7.20
26 05 36 00-2253 EA 12"-6" Reducer, Steel Cable Tray Covers.....	65.61	8.54
26 05 36 00-2254 EA 12"-9" Reducer, Steel Cable Tray Covers.....	65.61	8.54
26 05 36 00-2255 EA 18"-6" Reducer, Steel Cable Tray Covers.....	72.13	10.47
26 05 36 00-2256 EA 18"-12" Reducer, Steel Cable Tray Covers.....	72.13	10.47
26 05 36 00-2257 EA 24"-12" Reducer, Steel Cable Tray Covers.....	89.18	11.52
26 05 36 00-2258 EA 24"-18" Reducer, Steel Cable Tray Covers.....	95.74	11.52
26 05 36 00-2259 EA 30"-12" Reducer, Steel Cable Tray Covers.....	91.95	13.16
26 05 36 00-2260 EA 30"-18" Reducer, Steel Cable Tray Covers.....	98.51	13.16
26 05 36 00-2261 EA 30"-24" Reducer, Steel Cable Tray Covers.....	102.88	13.16
26 05 36 00-2262 EA 36"-12" Reducer, Steel Cable Tray Covers.....	107.06	14.41
26 05 36 00-2263 EA 36"-18" Reducer, Steel Cable Tray Covers.....	109.25	14.41
26 05 36 00-2264 EA 36"-24" Reducer, Steel Cable Tray Covers.....	111.44	14.41
26 05 36 00-2265 EA 36"-30" Reducer, Steel Cable Tray Covers.....	112.53	14.41
<b>26 05 36 00-2266 Aluminum Covers</b> <small>(26 05 36 00-2121)</small>		
<b>26 05 36 00-2267 Ventilated Straight Sections</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2268 LF 6" Aluminum Cable Tray Cover, Straight Section.....	10.94	1.72
26 05 36 00-2269 LF 9" Aluminum Cable Tray Cover, Straight Section.....	13.08	2.02
26 05 36 00-2270 LF 12" Aluminum Cable Tray Cover, Straight Section.....	15.39	2.31
26 05 36 00-2271 LF 18" Aluminum Cable Tray Cover, Straight Section.....	20.48	3.07

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2272	LF		24" Aluminum Cable Tray Cover, Straight Section .....	26.24	4.13
26 05 36 00-2273	LF		30" Aluminum Cable Tray Cover, Straight Section .....	29.66	5.09
26 05 36 00-2274	LF		36" Aluminum Cable Tray Cover, Straight Section .....	118.70	57.72
<b>26 05 36 00-2275</b>			<b>90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2266)</b>		
26 05 36 00-2276	EA		6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	62.66	6.15
26 05 36 00-2277	EA		9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	66.66	7.20
26 05 36 00-2278	EA		12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	73.39	8.54
26 05 36 00-2279	EA		18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	95.67	10.95
26 05 36 00-2280	EA		24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	121.19	13.93
26 05 36 00-2281	EA		30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	142.98	15.46
26 05 36 00-2282	EA		36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	174.25	18.44
<b>26 05 36 00-2283</b>			<b>90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2266)</b>		
26 05 36 00-2284	EA		6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	83.06	6.82
26 05 36 00-2285	EA		9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	102.08	7.97
26 05 36 00-2286	EA		12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	113.97	9.61
26 05 36 00-2287	EA		18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	136.42	12.19
26 05 36 00-2288	EA		24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	169.12	15.36
26 05 36 00-2289	EA		30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	204.89	17.67
26 05 36 00-2290	EA		36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	251.31	20.94
<b>26 05 36 00-2291</b>			<b>90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2266)</b>		
26 05 36 00-2292	EA		6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	135.73	7.68
26 05 36 00-2293	EA		9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	149.16	8.83
26 05 36 00-2294	EA		12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	170.86	10.95
26 05 36 00-2295	EA		18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	203.53	12.78
26 05 36 00-2296	EA		24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	250.45	17.77
26 05 36 00-2297	EA		30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	288.49	20.08
26 05 36 00-2298	EA		36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	336.70	23.05
<b>26 05 36 00-2299</b>			<b>45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2266)</b>		
26 05 36 00-2300	EA		6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	49.01	6.15
			<i>For 60 Degree Bend, Deduct</i>	-13.81	
			<i>For 30 Degree Bend, Deduct</i>	-23.35	
26 05 36 00-2301	EA		9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	51.85	7.20
			<i>For 60 Degree Bend, Deduct</i>	-14.35	
			<i>For 30 Degree Bend, Deduct</i>	-24.32	
26 05 36 00-2302	EA		12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	58.82	8.54
			<i>For 60 Degree Bend, Deduct</i>	-16.15	
			<i>For 30 Degree Bend, Deduct</i>	-27.39	
26 05 36 00-2303	EA		18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	68.68	10.47
			<i>For 60 Degree Bend, Deduct</i>	-18.65	
			<i>For 30 Degree Bend, Deduct</i>	-31.67	
26 05 36 00-2304	EA		24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	77.19	12.10
			<i>For 60 Degree Bend, Deduct</i>	-20.82	
			<i>For 30 Degree Bend, Deduct</i>	-35.37	
26 05 36 00-2305	EA		30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	95.02	13.93
			<i>For 60 Degree Bend, Deduct</i>	-26.00	
			<i>For 30 Degree Bend, Deduct</i>	-44.11	
26 05 36 00-2306	EA		36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	112.15	15.36
			<i>For 60 Degree Bend, Deduct</i>	-31.12	
			<i>For 30 Degree Bend, Deduct</i>	-52.72	
<b>26 05 36 00-2307</b>			<b>45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2266)</b>		
26 05 36 00-2308	EA		6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	56.31	6.82
			<i>For 60 Degree Bend, Deduct</i>	-15.98	
			<i>For 30 Degree Bend, Deduct</i>	-27.01	
26 05 36 00-2309	EA		9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	70.20	7.97
			<i>For 60 Degree Bend, Deduct</i>	-20.12	
			<i>For 30 Degree Bend, Deduct</i>	-33.97	
26 05 36 00-2310	EA		12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	75.25	9.61
			<i>For 60 Degree Bend, Deduct</i>	-21.14	
			<i>For 30 Degree Bend, Deduct</i>	-35.77	
26 05 36 00-2311	EA		18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	90.98	11.52
			<i>For 60 Degree Bend, Deduct</i>	-25.60	
			<i>For 30 Degree Bend, Deduct</i>	-43.31	
26 05 36 00-2312	EA		24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	110.81	13.16
			<i>For 60 Degree Bend, Deduct</i>	-31.51	
			<i>For 30 Degree Bend, Deduct</i>	-53.25	
26 05 36 00-2313	EA		30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	128.15	15.36
			<i>For 60 Degree Bend, Deduct</i>	-36.39	
			<i>For 30 Degree Bend, Deduct</i>	-61.50	
26 05 36 00-2314	EA		36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	148.01	17.77
			<i>For 60 Degree Bend, Deduct</i>	-42.04	
			<i>For 30 Degree Bend, Deduct</i>	-71.05	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-2315</b> <b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2316    EA    6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	90.20	7.68
For 60 Degree Bend, Deduct	-26.83	
For 30 Degree Bend, Deduct	-45.14	
26 05 36 00-2317    EA    9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	99.05	8.83
For 60 Degree Bend, Deduct	-29.28	
For 30 Degree Bend, Deduct	-49.30	
26 05 36 00-2318    EA    12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	107.04	10.95
For 60 Degree Bend, Deduct	-31.13	
For 30 Degree Bend, Deduct	-52.50	
26 05 36 00-2319    EA    18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	127.33	12.19
For 60 Degree Bend, Deduct	-37.35	
For 30 Degree Bend, Deduct	-62.93	
26 05 36 00-2320    EA    24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	154.62	14.88
For 60 Degree Bend, Deduct	-45.32	
For 30 Degree Bend, Deduct	-76.36	
26 05 36 00-2321    EA    30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	177.61	17.77
For 60 Degree Bend, Deduct	-51.81	
For 30 Degree Bend, Deduct	-87.33	
26 05 36 00-2322    EA    36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	200.57	19.20
For 60 Degree Bend, Deduct	-58.82	
For 30 Degree Bend, Deduct	-99.10	
<b>26 05 36 00-2323</b> <b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2324    EA    6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	54.90	6.15
26 05 36 00-2325    EA    9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	56.98	7.20
26 05 36 00-2326    EA    12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	63.14	8.54
26 05 36 00-2327    EA    18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	74.41	10.47
26 05 36 00-2328    EA    24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	81.80	13.54
26 05 36 00-2329    EA    30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	86.04	15.46
26 05 36 00-2330    EA    36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	103.58	18.44
<b>26 05 36 00-2331</b> <b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2332    EA    6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover .....	62.56	6.82
26 05 36 00-2333    EA    9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover .....	69.06	7.97
26 05 36 00-2334    EA    12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover .....	76.39	9.61
26 05 36 00-2335    EA    18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover .....	92.08	11.52
26 05 36 00-2336    EA    24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover .....	104.49	14.88
26 05 36 00-2337    EA    30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover .....	132.02	17.77
26 05 36 00-2338    EA    36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover .....	146.55	20.94
<b>26 05 36 00-2339</b> <b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2340    EA    6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover .....	71.96	7.68
26 05 36 00-2341    EA    9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover .....	87.67	8.83
26 05 36 00-2342    EA    12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover .....	102.53	10.95
26 05 36 00-2343    EA    18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover .....	122.77	12.19
26 05 36 00-2344    EA    24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover .....	149.10	17.00
26 05 36 00-2345    EA    30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover .....	186.01	20.08
26 05 36 00-2346    EA    36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover .....	202.33	23.05
<b>26 05 36 00-2347</b> <b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2348    EA    6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	89.59	9.99
26 05 36 00-2349    EA    9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover .....	96.63	11.52
26 05 36 00-2350    EA    12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover .....	109.06	13.54
26 05 36 00-2351    EA    18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	128.15	15.36
26 05 36 00-2352    EA    24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover .....	159.39	17.77
26 05 36 00-2353    EA    30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover .....	195.20	25.55
26 05 36 00-2354    EA    36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover .....	235.57	30.64
<b>26 05 36 00-2355</b> <b>24" Radius Horizontal Tees</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2356    EA    6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	135.90	10.47
26 05 36 00-2357    EA    9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	152.37	12.19
26 05 36 00-2358    EA    12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	172.02	14.41
26 05 36 00-2359    EA    18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	200.55	16.52
26 05 36 00-2360    EA    24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	307.50	19.20
26 05 36 00-2361    EA    30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	353.22	28.81
26 05 36 00-2362    EA    36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	398.39	35.44
<b>26 05 36 00-2363</b> <b>36" Radius Horizontal Tees</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2364    EA    6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	234.60	10.95
26 05 36 00-2365    EA    9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	242.23	12.78
26 05 36 00-2366    EA    12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	269.32	15.36
26 05 36 00-2367    EA    18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	305.19	17.77
26 05 36 00-2368    EA    24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	385.68	20.94

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 36 Cable Trays for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2369	EA		30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover .....	449.01	33.04
26 05 36 00-2370	EA		36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover .....	513.72	41.78
<b>26 05 36 00-2371</b>			<b>12" Radius Horizontal Crosses</b> (26 05 36 00-2266)		
26 05 36 00-2372	EA		6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover .....	134.16	13.54
26 05 36 00-2373	EA		9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover .....	142.44	14.41
26 05 36 00-2374	EA		12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover .....	157.76	15.36
26 05 36 00-2375	EA		18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover .....	189.00	17.77
26 05 36 00-2376	EA		24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover .....	227.04	25.55
26 05 36 00-2377	EA		30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover .....	269.68	30.64
26 05 36 00-2378	EA		36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover .....	307.63	32.94
<b>26 05 36 00-2379</b>			<b>24" Radius Horizontal Crosses</b> (26 05 36 00-2266)		
26 05 36 00-2380	EA		6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover .....	242.67	14.41
26 05 36 00-2381	EA		9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover .....	260.21	15.36
26 05 36 00-2382	EA		12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover .....	280.26	16.52
26 05 36 00-2383	EA		18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover .....	325.72	19.20
26 05 36 00-2384	EA		24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover .....	398.74	28.81
26 05 36 00-2385	EA		30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover .....	468.92	35.44
26 05 36 00-2386	EA		36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover .....	507.98	38.32
<b>26 05 36 00-2387</b>			<b>36" Radius Horizontal Crosses</b> (26 05 36 00-2266)		
26 05 36 00-2388	EA		6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover .....	376.36	15.36
26 05 36 00-2389	EA		9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover .....	394.13	16.52
26 05 36 00-2390	EA		12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover .....	423.61	17.77
26 05 36 00-2391	EA		18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover .....	467.67	20.94
26 05 36 00-2392	EA		24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover .....	590.17	32.94
26 05 36 00-2393	EA		30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover .....	684.84	41.97
26 05 36 00-2394	EA		36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover .....	748.66	46.10
<b>26 05 36 00-2395</b>			<b>Reducers</b> (26 05 36 00-2266)		
26 05 36 00-2396	EA		9"-6" Reducer, Aluminum Cable Tray Covers .....	67.81	7.20
26 05 36 00-2397	EA		12"-6" Reducer, Aluminum Cable Tray Covers .....	72.28	8.54
26 05 36 00-2398	EA		12"-9" Reducer, Aluminum Cable Tray Covers .....	72.29	8.54
26 05 36 00-2399	EA		18"-6" Reducer, Aluminum Cable Tray Covers .....	81.23	10.47
26 05 36 00-2400	EA		18"-12" Reducer, Aluminum Cable Tray Covers .....	81.23	10.47
26 05 36 00-2401	EA		24"-12" Reducer, Aluminum Cable Tray Covers .....	89.81	11.52
26 05 36 00-2402	EA		24"-18" Reducer, Aluminum Cable Tray Covers .....	98.88	11.52
26 05 36 00-2403	EA		30"-12" Reducer, Aluminum Cable Tray Covers .....	103.96	13.16
26 05 36 00-2404	EA		30"-18" Reducer, Aluminum Cable Tray Covers .....	107.35	13.16
26 05 36 00-2405	EA		30"-24" Reducer, Aluminum Cable Tray Covers .....	109.67	13.16
26 05 36 00-2406	EA		36"-12" Reducer, Aluminum Cable Tray Covers .....	115.06	14.41
26 05 36 00-2407	EA		36"-18" Reducer, Aluminum Cable Tray Covers .....	117.33	14.41
26 05 36 00-2408	EA		36"-24" Reducer, Aluminum Cable Tray Covers .....	118.47	14.41
26 05 36 00-2409	EA		36"-30" Reducer, Aluminum Cable Tray Covers .....	119.61	14.41
<b>26 05 36 00-2410</b>			<b>Galvanized Steel Dividers</b> (26 05 36 00-2121)		
<b>26 05 36 00-2411</b>			<b>Straight Dividers</b> (26 05 36 00-2410)		
26 05 36 00-2412	LF		3" Deep Galvanized Steel Divider Strip, Straight .....	9.85	2.31
26 05 36 00-2413	LF		4" Deep Galvanized Steel Divider Strip, Straight .....	11.67	2.50
26 05 36 00-2414	LF		6" Deep Galvanized Steel Divider Strip, Straight .....	14.53	2.88
<b>26 05 36 00-2415</b>			<b>3" Deep Vertical Dividers</b> (26 05 36 00-2410)		
26 05 36 00-2416	EA		Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray .....	56.99	16.52
26 05 36 00-2417	EA		Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray .....	65.50	17.10
26 05 36 00-2418	EA		Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray .....	68.94	17.77
26 05 36 00-2419	EA		Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray .....	79.94	18.44
26 05 36 00-2420	EA		Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray .....	75.57	18.44
26 05 36 00-2421	EA		Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray .....	82.28	19.20
26 05 36 00-2422	EA		Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray .....	96.84	20.08
26 05 36 00-2423	EA		Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray .....	121.34	20.94
26 05 36 00-2424	EA		Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable Tray .....	95.10	20.94
26 05 36 00-2425	EA		Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray .....	106.57	21.99
26 05 36 00-2426	EA		Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray .....	120.43	23.05
26 05 36 00-2427	EA		Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray .....	154.15	24.30
<b>26 05 36 00-2428</b>			<b>4" Deep Vertical Dividers</b> (26 05 36 00-2410)		
26 05 36 00-2429	EA		Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray .....	66.04	17.10
26 05 36 00-2430	EA		Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray .....	73.32	17.77
26 05 36 00-2431	EA		Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray .....	79.94	18.44
26 05 36 00-2432	EA		Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray .....	92.12	19.20
26 05 36 00-2433	EA		Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray .....	92.12	19.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2434 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray .....	108.87	20.08
26 05 36 00-2435 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray .....	120.25	20.94
26 05 36 00-2436 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray .....	150.31	21.99
26 05 36 00-2437 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray .....	103.40	20.08
26 05 36 00-2438 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray .....	114.78	20.94
26 05 36 00-2439 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray .....	137.19	21.99
26 05 36 00-2440 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray .....	175.10	23.05
<b>26 05 36 00-2441 6" Deep Vertical Dividers (26 05 36 00-2410)</b>		
26 05 36 00-2442 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray .....	72.98	19.20
26 05 36 00-2443 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray .....	79.34	20.08
26 05 36 00-2444 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray .....	87.45	20.94
26 05 36 00-2445 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray .....	102.20	21.99
26 05 36 00-2446 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray .....	93.56	20.08
26 05 36 00-2447 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray .....	110.41	20.94
26 05 36 00-2448 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray .....	122.97	21.99
26 05 36 00-2449 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray .....	152.14	23.05
26 05 36 00-2450 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray .....	104.94	20.94
26 05 36 00-2451 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray .....	122.97	21.99
26 05 36 00-2452 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray .....	152.14	23.05
26 05 36 00-2453 EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray .....	186.95	24.30
<b>26 05 36 00-2454 Horizontal Dividers (26 05 36 00-2410)</b>		
26 05 36 00-2455 EA 3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray .....	65.34	13.93
26 05 36 00-2456 EA 4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray .....	72.66	15.36
26 05 36 00-2457 EA 6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray .....	88.57	17.10
<b>26 05 36 00-2458 Aluminum Dividers (26 05 36 00-2121)</b>		
<b>26 05 36 00-2459 Straight Dividers (26 05 36 00-2458)</b>		
26 05 36 00-2460 LF 3" Deep Aluminum Divider Strip, Straight .....	9.91	2.21
26 05 36 00-2461 LF 4" Deep Aluminum Divider Strip, Straight .....	11.77	2.40
26 05 36 00-2462 LF 6" Deep Aluminum Divider Strip, Straight .....	14.64	2.69
<b>26 05 36 00-2463 3" Deep Vertical Dividers (26 05 36 00-2458)</b>		
26 05 36 00-2464 EA Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray .....	51.45	15.94
26 05 36 00-2465 EA Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray .....	56.89	16.52
26 05 36 00-2466 EA Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray .....	62.86	17.10
26 05 36 00-2467 EA Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray .....	73.16	17.77
26 05 36 00-2468 EA Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray .....	70.98	17.77
26 05 36 00-2469 EA Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray .....	78.68	18.44
26 05 36 00-2470 EA Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray .....	91.90	19.20
26 05 36 00-2471 EA Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray .....	115.13	20.08
26 05 36 00-2472 EA Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray .....	96.61	20.08
26 05 36 00-2473 EA Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray .....	116.67	20.94
26 05 36 00-2474 EA Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray .....	142.27	21.99
26 05 36 00-2475 EA Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray .....	176.78	23.05
<b>26 05 36 00-2476 4" Deep Vertical Dividers (26 05 36 00-2458)</b>		
26 05 36 00-2477 EA Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray .....	62.66	16.52
26 05 36 00-2478 EA Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray .....	69.29	17.10
26 05 36 00-2479 EA Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray .....	76.43	17.77
26 05 36 00-2480 EA Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray .....	86.30	18.44
26 05 36 00-2481 EA Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray .....	85.21	18.44
26 05 36 00-2482 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray .....	99.53	19.20
26 05 36 00-2483 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray .....	112.95	20.08
26 05 36 00-2484 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray .....	143.91	20.94
26 05 36 00-2485 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray .....	116.96	19.20
26 05 36 00-2486 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray .....	142.37	20.08
26 05 36 00-2487 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray .....	167.88	20.94
26 05 36 00-2488 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray .....	204.37	21.99
<b>26 05 36 00-2489 6" Deep Vertical Dividers (26 05 36 00-2458)</b>		
26 05 36 00-2490 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray .....	69.31	18.44
26 05 36 00-2491 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray .....	77.74	19.20
26 05 36 00-2492 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray .....	81.36	20.08
26 05 36 00-2493 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray .....	91.61	20.94
26 05 36 00-2494 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray .....	88.63	19.20
26 05 36 00-2495 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray .....	110.77	20.08
26 05 36 00-2496 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray .....	119.94	20.94
26 05 36 00-2497 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray .....	152.08	21.99
26 05 36 00-2498 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray .....	119.49	20.08
26 05 36 00-2499 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray .....	150.45	20.94
26 05 36 00-2500 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray .....	172.78	21.99

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2501 EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray.....	201.84	23.05
<b>26 05 36 00-2502 Horizontal Dividers (26 05 36 00-2458)</b>		
26 05 36 00-2503 EA 3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray .....	61.65	13.16
26 05 36 00-2504 EA 4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray .....	67.59	14.41
26 05 36 00-2505 EA 6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray .....	84.24	15.94
<b>26 05 36 00-2506 Wall Brackets (26 05 36 00-0001)</b>		
<b>26 05 36 00-2507 Wall Brackets (26 05 36 00-2506)</b>		
26 05 36 00-2508 EA 6" Wide Tray Wall Bracket .....	76.06	19.20
26 05 36 00-2509 EA 9" Wide Tray Wall Bracket .....	78.76	20.08
26 05 36 00-2510 EA 12" Wide Tray Wall Bracket .....	86.59	20.94
26 05 36 00-2511 EA 18" Wide Tray Wall Bracket .....	92.00	21.99
26 05 36 00-2512 EA 24" Wide Tray Wall Bracket .....	100.13	23.05
26 05 36 00-2513 EA 30" Wide Tray Wall Bracket .....	119.77	24.30
26 05 36 00-2514 EA 36" Wide Tray Wall Bracket .....	143.96	25.93
<b>26 05 36 00-2515 Triangle Wall Brackets (26 05 36 00-2506)</b>		
26 05 36 00-2516 EA 6" Wide, Ladder Rack Triangle Wall Support (Hubbell HLTSB06B) .....	85.02	19.20
26 05 36 00-2517 EA 12" Wide, Ladder Rack Triangle Wall Support (Hubbell HLTSB12B) .....	98.05	20.94
26 05 36 00-2518 EA 18" Wide, Ladder Rack Triangle Wall Support (Hubbell HLTSB18B) .....	103.37	21.99
26 05 36 00-2519 EA 24" Wide Ladder Rack, Triangle Wall Support (Hubbell HLTSB24B) .....	108.30	23.05
<b>26 05 36 00-2520 Cable Retaining Posts (26 05 36 00-0001)</b>		
Note: Includes mounting bracket and end cap.		
26 05 36 00-2521 EA 6" High, Cable Retaining Post (Hubbell HLP06B) .....	31.34	3.85
26 05 36 00-2522 EA 8" High, Cable Retaining Post (Hubbell HLP08B) .....	32.22	3.85
26 05 36 00-2523 EA 10" High, Cable Retaining Post (Hubbell HLP10B) .....	33.41	3.85
<b>26 05 36 00-2524 Fiberglass Cable Tray (26 05 36 00-0001)</b>		
<b>26 05 36 00-2525 Ladder Bottom Fiberglass Cable Tray (26 05 36 00-2524)</b>		
Note: Excludes hangers and support system.		
<b>26 05 36 00-2526 Straight Tray Sections (26 05 36 00-2525)</b>		
26 05 36 00-2527 LF 6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing .....	10.36	2.60
For 9" Rung Spacing, Add	0.23	
For 6" Rung Spacing, Add	0.98	
For 4" Rung Spacing, Add	1.79	
For 18" Rung Spacing, Deduct	-0.16	
For Solid Bottom, Add	2.53	
For Vented Trough Bottom, Add	3.09	
26 05 36 00-2528 LF 9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing .....	11.54	3.17
For 9" Rung Spacing, Add	0.24	
For 6" Rung Spacing, Add	1.01	
For 4" Rung Spacing, Add	1.85	
For 18" Rung Spacing, Deduct	-0.17	
For Solid Bottom, Add	2.74	
For Vented Trough Bottom, Add	3.30	
26 05 36 00-2529 LF 12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	12.70	3.84
For 9" Rung Spacing, Add	0.24	
For 6" Rung Spacing, Add	1.04	
For 4" Rung Spacing, Add	1.91	
For 18" Rung Spacing, Deduct	-0.17	
For Solid Bottom, Add	2.94	
For Vented Trough Bottom, Add	3.49	
26 05 36 00-2530 LF 18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	15.13	5.09
For 9" Rung Spacing, Add	0.26	
For 6" Rung Spacing, Add	1.12	
For 4" Rung Spacing, Add	2.05	
For 18" Rung Spacing, Deduct	-0.19	
For Solid Bottom, Add	3.39	
For Vented Trough Bottom, Add	3.94	
26 05 36 00-2531 LF 24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	17.56	6.44
For 9" Rung Spacing, Add	0.28	
For 6" Rung Spacing, Add	1.19	
For 4" Rung Spacing, Add	2.19	
For 18" Rung Spacing, Deduct	-0.20	
For Solid Bottom, Add	3.83	
For Vented Trough Bottom, Add	4.38	
26 05 36 00-2532 LF 30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	19.18	7.01
For 9" Rung Spacing, Add	0.30	
For 6" Rung Spacing, Add	1.29	
For 4" Rung Spacing, Add	2.37	
For 18" Rung Spacing, Deduct	-0.22	
For Solid Bottom, Add	4.17	
For Vented Trough Bottom, Add	4.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2533 LF 36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing .....	20.85	7.68
<i>For 9" Rung Spacing, Add</i>	0.33	
<i>For 6" Rung Spacing, Add</i>	1.40	
<i>For 4" Rung Spacing, Add</i>	2.57	
<i>For 18" Rung Spacing, Deduct</i>	-0.23	
<i>For Solid Bottom, Add</i>	4.53	
<i>For Vented Trough Bottom, Add</i>	5.17	
<b>26 05 36 00-2534 90 Degree Horizontal Elbows</b> <small>(26 05 36 00-2525)</small>		
26 05 36 00-2535 EA 6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	55.20	19.20
<i>For 9" Rung Spacing, Add</i>	0.92	
<i>For 6" Rung Spacing, Add</i>	3.96	
<i>For 4" Rung Spacing, Add</i>	7.26	
<i>For 18" Rung Spacing, Deduct</i>	-0.66	
<i>For Solid Bottom, Add</i>	12.24	
<i>For Vented Trough Bottom, Add</i>	14.16	
<i>For 60 Degree Bend, Deduct</i>	-11.59	
<i>For 45 Degree Bend, Deduct</i>	-15.93	
<i>For 30 Degree Bend, Deduct</i>	-20.28	
26 05 36 00-2536 EA 9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	61.52	22.38
<i>For 9" Rung Spacing, Add</i>	0.98	
<i>For 6" Rung Spacing, Add</i>	4.19	
<i>For 4" Rung Spacing, Add</i>	7.68	
<i>For 18" Rung Spacing, Deduct</i>	-0.70	
<i>For Solid Bottom, Add</i>	13.41	
<i>For Vented Trough Bottom, Add</i>	15.37	
<i>For 60 Degree Bend, Deduct</i>	-12.57	
<i>For 45 Degree Bend, Deduct</i>	-17.32	
<i>For 30 Degree Bend, Deduct</i>	-22.07	
26 05 36 00-2537 EA 12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	71.68	28.14
<i>For 9" Rung Spacing, Add</i>	1.03	
<i>For 6" Rung Spacing, Add</i>	4.41	
<i>For 4" Rung Spacing, Add</i>	8.09	
<i>For 18" Rung Spacing, Deduct</i>	-0.74	
<i>For Solid Bottom, Add</i>	15.17	
<i>For Vented Trough Bottom, Add</i>	17.05	
<i>For 60 Degree Bend, Deduct</i>	-13.93	
<i>For 45 Degree Bend, Deduct</i>	-19.28	
<i>For 30 Degree Bend, Deduct</i>	-24.63	
26 05 36 00-2538 EA 18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	84.69	33.99
<i>For 9" Rung Spacing, Add</i>	1.18	
<i>For 6" Rung Spacing, Add</i>	5.07	
<i>For 4" Rung Spacing, Add</i>	9.29	
<i>For 18" Rung Spacing, Deduct</i>	-0.84	
<i>For Solid Bottom, Add</i>	17.77	
<i>For Vented Trough Bottom, Add</i>	19.88	
<i>For 60 Degree Bend, Deduct</i>	-16.24	
<i>For 45 Degree Bend, Deduct</i>	-22.50	
<i>For 30 Degree Bend, Deduct</i>	-28.76	
26 05 36 00-2539 EA 24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	95.73	39.09
<i>For 9" Rung Spacing, Add</i>	1.30	
<i>For 6" Rung Spacing, Add</i>	5.57	
<i>For 4" Rung Spacing, Add</i>	10.22	
<i>For 18" Rung Spacing, Deduct</i>	-0.93	
<i>For Solid Bottom, Add</i>	19.93	
<i>For Vented Trough Bottom, Add</i>	22.18	
<i>For 60 Degree Bend, Deduct</i>	-18.12	
<i>For 45 Degree Bend, Deduct</i>	-25.13	
<i>For 30 Degree Bend, Deduct</i>	-32.15	
26 05 36 00-2540 EA 30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	105.12	41.69
<i>For 9" Rung Spacing, Add</i>	1.49	
<i>For 6" Rung Spacing, Add</i>	6.41	
<i>For 4" Rung Spacing, Add</i>	11.74	
<i>For 18" Rung Spacing, Deduct</i>	-1.07	
<i>For Solid Bottom, Add</i>	22.17	
<i>For Vented Trough Bottom, Add</i>	24.88	
<i>For 60 Degree Bend, Deduct</i>	-20.33	
<i>For 45 Degree Bend, Deduct</i>	-28.15	
<i>For 30 Degree Bend, Deduct</i>	-35.97	
26 05 36 00-2541 EA 36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	116.27	44.86
<i>For 9" Rung Spacing, Add</i>	1.72	
<i>For 6" Rung Spacing, Add</i>	7.36	
<i>For 4" Rung Spacing, Add</i>	13.49	
<i>For 18" Rung Spacing, Deduct</i>	-1.23	
<i>For Solid Bottom, Add</i>	24.80	
<i>For Vented Trough Bottom, Add</i>	28.02	
<i>For 60 Degree Bend, Deduct</i>	-22.91	
<i>For 45 Degree Bend, Deduct</i>	-31.66	
<i>For 30 Degree Bend, Deduct</i>	-40.42	
<b>26 05 36 00-2542 Inside Or Outside Vertical Risers</b> <small>(26 05 36 00-2525)</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2543	EA		6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	82.77	19.20
			For 9" Rung Spacing, Add	1.89	
			For 6" Rung Spacing, Add	8.09	
			For 4" Rung Spacing, Add	14.84	
			For 18" Rung Spacing, Deduct	-1.35	
			For Solid Bottom, Add	20.51	
			For Vented Trough Bottom, Add	25.19	
			For 60 Degree Bend, Deduct	-20.69	
			For 45 Degree Bend, Deduct	-28.06	
			For 30 Degree Bend, Deduct	-35.44	
26 05 36 00-2544	EA		9" Vertical Inside Or Outside Riser 90, Fiberglass.....	88.34	22.38
			For 9" Rung Spacing, Add	1.92	
			For 6" Rung Spacing, Add	8.21	
			For 4" Rung Spacing, Add	15.05	
			For 18" Rung Spacing, Deduct	-1.37	
			For Solid Bottom, Add	21.46	
			For Vented Trough Bottom, Add	26.09	
			For 60 Degree Bend, Deduct	-21.42	
			For 45 Degree Bend, Deduct	-29.12	
			For 30 Degree Bend, Deduct	-36.82	
26 05 36 00-2545	EA		12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	97.74	28.14
			For 9" Rung Spacing, Add	1.94	
			For 6" Rung Spacing, Add	8.32	
			For 4" Rung Spacing, Add	15.26	
			For 18" Rung Spacing, Deduct	-1.39	
			For Solid Bottom, Add	22.98	
			For Vented Trough Bottom, Add	27.47	
			For 60 Degree Bend, Deduct	-22.53	
			For 45 Degree Bend, Deduct	-30.75	
			For 30 Degree Bend, Deduct	-38.97	
26 05 36 00-2546	EA		18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	108.06	33.99
			For 9" Rung Spacing, Add	2.00	
			For 6" Rung Spacing, Add	8.57	
			For 4" Rung Spacing, Add	15.72	
			For 18" Rung Spacing, Deduct	-1.43	
			For Solid Bottom, Add	24.78	
			For Vented Trough Bottom, Add	29.23	
			For 60 Degree Bend, Deduct	-23.95	
			For 45 Degree Bend, Deduct	-32.79	
			For 30 Degree Bend, Deduct	-41.62	
26 05 36 00-2547	EA		24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	117.25	39.09
			For 9" Rung Spacing, Add	2.05	
			For 6" Rung Spacing, Add	8.80	
			For 4" Rung Spacing, Add	16.13	
			For 18" Rung Spacing, Deduct	-1.47	
			For Solid Bottom, Add	26.39	
			For Vented Trough Bottom, Add	30.79	
			For 60 Degree Bend, Deduct	-25.22	
			For 45 Degree Bend, Deduct	-34.60	
			For 30 Degree Bend, Deduct	-43.98	
26 05 36 00-2548	EA		30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	122.60	41.69
			For 9" Rung Spacing, Add	2.11	
			For 6" Rung Spacing, Add	9.03	
			For 4" Rung Spacing, Add	16.55	
			For 18" Rung Spacing, Deduct	-1.50	
			For Solid Bottom, Add	27.42	
			For Vented Trough Bottom, Add	31.87	
			For 60 Degree Bend, Deduct	-26.10	
			For 45 Degree Bend, Deduct	-35.84	
			For 30 Degree Bend, Deduct	-45.58	
26 05 36 00-2549	EA		36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	133.71	44.86
			For 9" Rung Spacing, Add	2.33	
			For 6" Rung Spacing, Add	9.97	
			For 4" Rung Spacing, Add	18.28	
			For 18" Rung Spacing, Deduct	-1.66	
			For Solid Bottom, Add	30.03	
			For Vented Trough Bottom, Add	35.00	
			For 60 Degree Bend, Deduct	-28.66	
			For 45 Degree Bend, Deduct	-39.34	
			For 30 Degree Bend, Deduct	-50.01	
<b>26 05 36 00-2550</b>			<b>Horizontal Tees</b> <small>(26 05 36 00-2525)</small>		
26 05 36 00-2551	EA		6" Horizontal Tee, Fiberglass Cable Tray.....	118.60	48.02
			For 9" Rung Spacing, Add	1.63	
			For 6" Rung Spacing, Add	6.99	
			For 4" Rung Spacing, Add	12.81	
			For 18" Rung Spacing, Deduct	-1.16	
			For Solid Bottom, Add	24.78	
			For Vented Trough Bottom, Add	27.63	
26 05 36 00-2552	EA		9" Horizontal Tee, Fiberglass Cable Tray.....	132.93	56.38
			For 9" Rung Spacing, Add	1.69	
			For 6" Rung Spacing, Add	7.26	
			For 4" Rung Spacing, Add	13.31	
			For 18" Rung Spacing, Deduct	-1.21	
			For Solid Bottom, Add	27.20	
			For Vented Trough Bottom, Add	29.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2553 EA 12" Horizontal Tee, Fiberglass Cable Tray .....	151.10	67.23
For 9" Rung Spacing, Add	1.76	
For 6" Rung Spacing, Add	7.54	
For 4" Rung Spacing, Add	13.82	
For 18" Rung Spacing, Deduct	-1.26	
For Solid Bottom, Add	30.20	
For Vented Trough Bottom, Add	32.71	
26 05 36 00-2554 EA 18" Horizontal Tee, Fiberglass Cable Tray .....	168.64	75.58
For 9" Rung Spacing, Add	1.94	
For 6" Rung Spacing, Add	8.30	
For 4" Rung Spacing, Add	15.21	
For 18" Rung Spacing, Deduct	-1.38	
For Solid Bottom, Add	33.59	
For Vented Trough Bottom, Add	36.29	
26 05 36 00-2555 EA 24" Horizontal Tee, Fiberglass Cable Tray .....	177.47	78.75
For 9" Rung Spacing, Add	2.08	
For 6" Rung Spacing, Add	8.90	
For 4" Rung Spacing, Add	16.32	
For 18" Rung Spacing, Deduct	-1.48	
For Solid Bottom, Add	35.52	
For Vented Trough Bottom, Add	38.50	
26 05 36 00-2556 EA 30" Horizontal Tee, Fiberglass Cable Tray .....	190.41	83.27
For 9" Rung Spacing, Add	2.29	
For 6" Rung Spacing, Add	9.83	
For 4" Rung Spacing, Add	18.03	
For 18" Rung Spacing, Deduct	-1.64	
For Solid Bottom, Add	38.40	
For Vented Trough Bottom, Add	41.83	
26 05 36 00-2557 EA 36" Horizontal Tee, Fiberglass Cable Tray .....	206.89	89.70
For 9" Rung Spacing, Add	2.54	
For 6" Rung Spacing, Add	10.86	
For 4" Rung Spacing, Add	19.92	
For 18" Rung Spacing, Deduct	-1.81	
For Solid Bottom, Add	41.90	
For Vented Trough Bottom, Add	45.78	
<b>26 05 36 00-2558 Horizontal Crosses</b> <small>(26 05 36 00-2525)</small>		
26 05 36 00-2559 EA 6" Horizontal Cross, Fiberglass Cable Tray .....	184.53	83.27
For 9" Rung Spacing, Add	2.09	
For 6" Rung Spacing, Add	8.95	
For 4" Rung Spacing, Add	16.41	
For 18" Rung Spacing, Deduct	-1.49	
For Solid Bottom, Add	36.63	
For Vented Trough Bottom, Add	39.48	
26 05 36 00-2560 EA 9" Horizontal Cross, Fiberglass Cable Tray .....	195.91	89.70
For 9" Rung Spacing, Add	2.15	
For 6" Rung Spacing, Add	9.22	
For 4" Rung Spacing, Add	16.90	
For 18" Rung Spacing, Deduct	-1.54	
For Solid Bottom, Add	38.60	
For Vented Trough Bottom, Add	41.39	
26 05 36 00-2561 EA 12" Horizontal Cross, Fiberglass Cable Tray .....	207.28	96.14
For 9" Rung Spacing, Add	2.21	
For 6" Rung Spacing, Add	9.48	
For 4" Rung Spacing, Add	17.38	
For 18" Rung Spacing, Deduct	-1.58	
For Solid Bottom, Add	40.57	
For Vented Trough Bottom, Add	43.29	
26 05 36 00-2562 EA 18" Horizontal Cross, Fiberglass Cable Tray .....	221.92	102.48
For 9" Rung Spacing, Add	2.39	
For 6" Rung Spacing, Add	10.24	
For 4" Rung Spacing, Add	18.77	
For 18" Rung Spacing, Deduct	-1.71	
For Solid Bottom, Add	43.53	
For Vented Trough Bottom, Add	46.51	
26 05 36 00-2563 EA 24" Horizontal Cross, Fiberglass Cable Tray .....	235.39	108.91
For 9" Rung Spacing, Add	2.52	
For 6" Rung Spacing, Add	10.82	
For 4" Rung Spacing, Add	19.83	
For 18" Rung Spacing, Deduct	-1.80	
For Solid Bottom, Add	46.13	
For Vented Trough Bottom, Add	49.26	
26 05 36 00-2564 EA 30" Horizontal Cross, Fiberglass Cable Tray .....	251.38	115.34
For 9" Rung Spacing, Add	2.75	
For 6" Rung Spacing, Add	11.78	
For 4" Rung Spacing, Add	21.59	
For 18" Rung Spacing, Deduct	-1.96	
For Solid Bottom, Add	49.48	
For Vented Trough Bottom, Add	53.01	
26 05 36 00-2565 EA 36" Horizontal Cross, Fiberglass Cable Tray .....	272.10	123.60
For 9" Rung Spacing, Add	3.04	
For 6" Rung Spacing, Add	13.01	
For 4" Rung Spacing, Add	23.85	
For 18" Rung Spacing, Deduct	-2.17	
For Solid Bottom, Add	53.82	
For Vented Trough Bottom, Add	57.86	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2566			<b>Horizontal Wyes</b> <small>(26 05 36 00-2525)</small>		
26 05 36 00-2567	EA		6" Horizontal Wye, Fiberglass Cable Tray .....	113.89	48.02
			For 9" Rung Spacing, Add	1.47	
			For 6" Rung Spacing, Add	6.28	
			For 4" Rung Spacing, Add	11.51	
			For 18" Rung Spacing, Deduct	-1.05	
			For Solid Bottom, Add	23.36	
			For Vented Trough Bottom, Add	25.75	
26 05 36 00-2568	EA		9" Horizontal Wye, Fiberglass Cable Tray .....	120.38	51.28
			For 9" Rung Spacing, Add	1.52	
			For 6" Rung Spacing, Add	6.53	
			For 4" Rung Spacing, Add	11.98	
			For 18" Rung Spacing, Deduct	-1.09	
			For Solid Bottom, Add	24.59	
			For Vented Trough Bottom, Add	27.02	
26 05 36 00-2569	EA		12" Horizontal Wye, Fiberglass Cable Tray .....	146.06	67.23
			For 9" Rung Spacing, Add	1.58	
			For 6" Rung Spacing, Add	6.78	
			For 4" Rung Spacing, Add	12.44	
			For 18" Rung Spacing, Deduct	-1.13	
			For Solid Bottom, Add	28.69	
			For Vented Trough Bottom, Add	30.69	
26 05 36 00-2570	EA		18" Horizontal Wye, Fiberglass Cable Tray .....	163.09	75.58
			For 9" Rung Spacing, Add	1.74	
			For 6" Rung Spacing, Add	7.46	
			For 4" Rung Spacing, Add	13.68	
			For 18" Rung Spacing, Deduct	-1.24	
			For Solid Bottom, Add	31.93	
			For Vented Trough Bottom, Add	34.07	
26 05 36 00-2571	EA		24" Horizontal Wye, Fiberglass Cable Tray .....	171.42	78.75
			For 9" Rung Spacing, Add	1.87	
			For 6" Rung Spacing, Add	7.99	
			For 4" Rung Spacing, Add	14.65	
			For 18" Rung Spacing, Deduct	-1.33	
			For Solid Bottom, Add	33.71	
			For Vented Trough Bottom, Add	36.08	
26 05 36 00-2572	EA		30" Horizontal Wye, Fiberglass Cable Tray .....	183.86	83.27
			For 9" Rung Spacing, Add	2.07	
			For 6" Rung Spacing, Add	8.85	
			For 4" Rung Spacing, Add	16.23	
			For 18" Rung Spacing, Deduct	-1.48	
			For Solid Bottom, Add	36.43	
			For Vented Trough Bottom, Add	39.21	
26 05 36 00-2573	EA		36" Horizontal Wye, Fiberglass Cable Tray .....	199.65	89.70
			For 9" Rung Spacing, Add	2.28	
			For 6" Rung Spacing, Add	9.78	
			For 4" Rung Spacing, Add	17.93	
			For 18" Rung Spacing, Deduct	-1.63	
			For Solid Bottom, Add	39.73	
			For Vented Trough Bottom, Add	42.88	
26 05 36 00-2574			<b>Straight Reducers</b> <small>(26 05 36 00-2525)</small>		
26 05 36 00-2575	EA		9"-6" Reducer, Fiberglass Cable Tray .....	52.51	19.20
			For 9" Rung Spacing, Add	0.83	
			For 6" Rung Spacing, Add	3.56	
			For 4" Rung Spacing, Add	6.52	
			For 18" Rung Spacing, Deduct	-0.59	
			For Solid Bottom, Add	11.43	
			For Vented Trough Bottom, Add	13.08	
26 05 36 00-2576	EA		12"-9" Reducer, Fiberglass Cable Tray .....	57.66	22.38
			For 9" Rung Spacing, Add	0.84	
			For 6" Rung Spacing, Add	3.61	
			For 4" Rung Spacing, Add	6.61	
			For 18" Rung Spacing, Deduct	-0.60	
			For Solid Bottom, Add	12.26	
			For Vented Trough Bottom, Add	13.82	
26 05 36 00-2577	EA		18"-12" Reducer, Fiberglass Cable Tray .....	62.80	25.64
			For 9" Rung Spacing, Add	0.85	
			For 6" Rung Spacing, Add	3.66	
			For 4" Rung Spacing, Add	6.70	
			For 18" Rung Spacing, Deduct	-0.61	
			For Solid Bottom, Add	13.08	
			For Vented Trough Bottom, Add	14.55	
26 05 36 00-2578	EA		24"-18" Reducer, Fiberglass Cable Tray .....	67.48	28.14
			For 9" Rung Spacing, Add	0.88	
			For 6" Rung Spacing, Add	3.78	
			For 4" Rung Spacing, Add	6.94	
			For 18" Rung Spacing, Deduct	-0.63	
			For Solid Bottom, Add	13.91	
			For Vented Trough Bottom, Add	15.37	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2579 EA 30"-24" Reducer, Fiberglass Cable Tray.....	75.52	30.74
For 9" Rung Spacing, Add	1.03	
For 6" Rung Spacing, Add	4.41	
For 4" Rung Spacing, Add	8.09	
For 18" Rung Spacing, Deduct	-0.74	
For Solid Bottom, Add	15.74	
For Vented Trough Bottom, Add	17.53	
26 05 36 00-2580 EA 36"-30" Reducer, Fiberglass Cable Tray.....	85.07	33.99
For 9" Rung Spacing, Add	1.20	
For 6" Rung Spacing, Add	5.13	
For 4" Rung Spacing, Add	9.40	
For 18" Rung Spacing, Deduct	-0.85	
For Solid Bottom, Add	17.89	
For Vented Trough Bottom, Add	20.03	
<b>26 05 36 00-2581 Vertical Tees (26 05 36 00-2525)</b>		
26 05 36 00-2582 EA 6" Vertical Tee, Fiberglass Cable Tray .....	160.96	48.02
For 9" Rung Spacing, Add	3.11	
For 6" Rung Spacing, Add	13.34	
For 4" Rung Spacing, Add	24.46	
For 18" Rung Spacing, Deduct	-2.22	
For Solid Bottom, Add	37.48	
For Vented Trough Bottom, Add	44.58	
26 05 36 00-2583 EA 9" Vertical Tee, Fiberglass Cable Tray .....	166.85	51.28
For 9" Rung Spacing, Add	3.15	
For 6" Rung Spacing, Add	13.50	
For 4" Rung Spacing, Add	24.76	
For 18" Rung Spacing, Deduct	-2.25	
For Solid Bottom, Add	38.53	
For Vented Trough Bottom, Add	45.61	
26 05 36 00-2584 EA 12" Vertical Tee, Fiberglass Cable Tray .....	191.95	67.23
For 9" Rung Spacing, Add	3.19	
For 6" Rung Spacing, Add	13.67	
For 4" Rung Spacing, Add	25.06	
For 18" Rung Spacing, Deduct	-2.28	
For Solid Bottom, Add	42.46	
For Vented Trough Bottom, Add	49.05	
26 05 36 00-2585 EA 18" Vertical Tee, Fiberglass Cable Tray .....	206.97	75.58
For 9" Rung Spacing, Add	3.28	
For 6" Rung Spacing, Add	14.05	
For 4" Rung Spacing, Add	25.75	
For 18" Rung Spacing, Deduct	-2.34	
For Solid Bottom, Add	45.09	
For Vented Trough Bottom, Add	51.62	
26 05 36 00-2586 EA 24" Vertical Tee, Fiberglass Cable Tray .....	214.12	78.75
For 9" Rung Spacing, Add	3.36	
For 6" Rung Spacing, Add	14.40	
For 4" Rung Spacing, Add	26.40	
For 18" Rung Spacing, Deduct	-2.40	
For Solid Bottom, Add	46.52	
For Vented Trough Bottom, Add	53.16	
26 05 36 00-2587 EA 30" Vertical Tee, Fiberglass Cable Tray .....	223.02	83.27
For 9" Rung Spacing, Add	3.44	
For 6" Rung Spacing, Add	14.73	
For 4" Rung Spacing, Add	27.00	
For 18" Rung Spacing, Deduct	-2.45	
For Solid Bottom, Add	48.18	
For Vented Trough Bottom, Add	54.87	
26 05 36 00-2588 EA 36" Vertical Tee, Fiberglass Cable Tray .....	242.92	89.70
For 9" Rung Spacing, Add	3.80	
For 6" Rung Spacing, Add	16.27	
For 4" Rung Spacing, Add	29.83	
For 18" Rung Spacing, Deduct	-2.71	
For Solid Bottom, Add	52.71	
For Vented Trough Bottom, Add	60.19	
<b>26 05 36 00-2589 Flextray™ Cable Tray (26 05 36 00-0001)</b>		
<b>26 05 36 00-2590 Flextray™ Cable Tray Straight Sections (26 05 36 00-2589)</b>		
Note: Includes splicing and splice bars.		
26 05 36 00-2591 LF 2" Deep x 2" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	27.19	6.05
26 05 36 00-2592 LF 2" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	35.82	6.46
26 05 36 00-2593 LF 2" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	37.70	6.74
26 05 36 00-2594 LF 2" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	39.62	7.09
26 05 36 00-2595 LF 2" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	42.66	7.43
26 05 36 00-2596 LF 2" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	46.13	7.78
26 05 36 00-2597 LF 2" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	46.93	8.12
26 05 36 00-2598 LF 2" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	48.85	8.35
26 05 36 00-2599 LF 2" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	49.81	8.58
26 05 36 00-2600 LF 4" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	36.85	7.11
26 05 36 00-2601 LF 4" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	40.57	7.39
26 05 36 00-2602 LF 4" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	44.36	7.78
26 05 36 00-2603 LF 4" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	47.24	8.16

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

26 05 36 00-2604	LF	4" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	50.48	8.54
26 05 36 00-2605	LF	4" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	54.98	8.93
26 05 36 00-2606	LF	4" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	58.60	9.22
26 05 36 00-2607	LF	4" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	61.14	9.42
26 05 36 00-2608	LF	4" Deep x 30" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	80.60	10.09
26 05 36 00-2609	LF	6" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	49.50	8.54
26 05 36 00-2610	LF	6" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	57.34	8.93
26 05 36 00-2611	LF	6" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	60.00	9.32
26 05 36 00-2612	LF	6" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	65.11	9.80
26 05 36 00-2613	LF	6" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	67.28	9.99
26 05 36 00-2614	LF	6" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	85.25	10.28

**26 05 36 00-2615 Flextray™ Cable Tray Bends** (26 05 36 00-2589)

Note: Includes field fabricated bend and 90 degree kit.

26 05 36 00-2616	EA	2" Deep x 2" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	20.41	4.51
		Note: Field Fabricated		
26 05 36 00-2617	EA	2" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	26.87	4.80
		Note: Field Fabricated		
26 05 36 00-2618	EA	2" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	37.70	6.72
		Note: Field Fabricated		
26 05 36 00-2619	EA	2" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	59.48	10.66
		Note: Field Fabricated		
26 05 36 00-2620	EA	2" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	85.34	14.88
		Note: Field Fabricated		
26 05 36 00-2621	EA	2" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	115.34	19.49
		Note: Field Fabricated		
26 05 36 00-2622	EA	2" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	129.12	24.40
		Note: Field Fabricated		
26 05 36 00-2623	EA	2" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	153.53	29.29
		Note: Field Fabricated		
26 05 36 00-2624	EA	2" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	199.28	34.39
		Note: Field Fabricated		
26 05 36 00-2625	EA	4" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	27.59	5.28
		Note: Field Fabricated		
26 05 36 00-2626	EA	4" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	40.59	7.39
		Note: Field Fabricated		
26 05 36 00-2627	EA	4" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	66.51	11.71
		Note: Field Fabricated		
26 05 36 00-2628	EA	4" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	94.50	16.33
		Note: Field Fabricated		
26 05 36 00-2629	EA	4" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	126.16	21.42
		Note: Field Fabricated		
26 05 36 00-2630	EA	4" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	150.92	26.79
		Note: Field Fabricated		
26 05 36 00-2631	EA	4" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	183.40	32.17
		Note: Field Fabricated		
26 05 36 00-2632	EA	4" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	244.56	37.75
		Note: Field Fabricated		
26 05 36 00-2633	EA	4" Deep x 30" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	403.12	50.42
		Note: Field Fabricated		
26 05 36 00-2634	EA	6" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	74.19	12.78
		Note: Field Fabricated		
26 05 36 00-2635	EA	6" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	114.72	17.86
		Note: Field Fabricated		
26 05 36 00-2636	EA	6" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	149.99	23.34
		Note: Field Fabricated		
26 05 36 00-2637	EA	6" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	178.28	29.29
		Note: Field Fabricated		
26 05 36 00-2638	EA	6" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	210.21	35.06
		Note: Field Fabricated		
26 05 36 00-2639	EA	6" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	340.97	41.20
		Note: Field Fabricated		

**26 05 36 00-2640 Flextray™ Cable Tray Brackets** (26 05 36 00-2589)

26 05 36 00-2641	EA	6" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™ .....	48.94	12.68
26 05 36 00-2642	EA	8" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™ .....	53.53	12.68
26 05 36 00-2643	EA	12" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™ .....	61.35	12.68
26 05 36 00-2644	EA	16" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™ .....	77.54	13.83
26 05 36 00-2645	EA	18" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™ .....	84.38	13.83
26 05 36 00-2646	EA	20" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™ .....	86.67	13.83
26 05 36 00-2647	EA	24" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™ .....	88.70	13.83

**26 05 39 Underfloor Raceways for Electrical Systems** (26 05)**26 05 39 00-0001 Underfloor Ducts** (26 05 39)**26 05 39 00-0002 Straight Duct Sections 10' Long, 14 Gauge Steel** (26 05 39 00-0001)**26 05 39 00-0003 Standard Ducts, 3.8 Square Inches** (26 05 39 00-0002)

26 05 39 00-0004	EA	Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches .....	85.49	16.91
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0005 EA Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches.....	107.86	19.79
<b>26 05 39 00-0006 Large Capacity Ducts, 8.9 Square Inches</b> (26 05 39 00-0002)		
26 05 39 00-0007 EA Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches .....	143.47	21.42
26 05 39 00-0008 EA Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches.....	164.46	23.73
<b>26 05 39 00-0009 Junction Boxes</b> (26 05 39 00-0001)		
<b>26 05 39 00-0010 One Level Junction Boxes</b> (26 05 39 00-0009)		
26 05 39 00-0011 EA 1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box.....	218.55	33.61
26 05 39 00-0012 EA 1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box .....	247.73	36.01
26 05 39 00-0013 EA 1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box .....	402.22	33.61
Note: Isolate each duct and form a continuous raceway through the box in both directions.		
26 05 39 00-0014 EA 1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box .....	271.69	36.01
26 05 39 00-0015 EA 1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box .....	432.72	47.35
26 05 39 00-0016 EA 1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct .....	609.46	51.47
<b>26 05 39 00-0017 Two Level Junction Boxes</b> (26 05 39 00-0009)		
26 05 39 00-0018 EA 2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level.....	935.34	33.99
Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.		
26 05 39 00-0019 EA 2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts.....	1,076.66	36.01
<b>26 05 39 00-0020 Elbow Fittings</b> (26 05 39 00-0001)		
<b>26 05 39 00-0021 90 Degree Horizontal Elbow</b> (26 05 39 00-0020)		
26 05 39 00-0022 EA Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree.....	107.37	12.38
26 05 39 00-0023 EA Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree .....	110.66	12.38
<b>26 05 39 00-0024 90 Degree Vertical Elbow</b> (26 05 39 00-0020)		
26 05 39 00-0025 EA Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree .....	59.45	12.38
26 05 39 00-0026 EA Underfloor Large Duct Vertical Elbow Fitting, 90 Degree .....	60.77	12.38
<b>26 05 39 00-0027 Offset Elbow</b> (26 05 39 00-0020)		
Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028 EA Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under.....	59.45	14.41
26 05 39 00-0029 EA Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under .....	60.77	14.41
<b>26 05 39 00-0030 Couplings</b> (26 05 39 00-0001)		
<b>26 05 39 00-0031 Sleeve Couplings</b> (26 05 39 00-0030)		
26 05 39 00-0032 EA Underfloor Standard Duct Sleeve Coupling .....	37.63	19.20
26 05 39 00-0033 EA Underfloor Large Duct Sleeve Coupling .....	58.33	19.20
<b>26 05 39 00-0034 Expansion Couplings</b> (26 05 39 00-0030)		
26 05 39 00-0035 EA Underfloor Standard Duct Expansion Coupling .....	84.90	19.20
26 05 39 00-0036 EA Underfloor Large Duct Expansion Coupling.....	86.54	20.27
<b>26 05 39 00-0037 Reducing Couplings</b> (26 05 39 00-0030)		
26 05 39 00-0038 EA Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling .....	84.35	2.88
<b>26 05 39 00-0039 Duct Supports</b> (26 05 39 00-0001)		
<b>26 05 39 00-0040 Combination Support And Coupling</b> (26 05 39 00-0039)		
Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041 EA 1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	86.18	40.33
26 05 39 00-0042 EA 2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	96.00	40.33
26 05 39 00-0043 EA 3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	105.90	40.33
26 05 39 00-0044 EA 1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	96.00	45.14
26 05 39 00-0045 EA 2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	116.01	45.14
26 05 39 00-0046 EA 1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet .....	105.90	48.02
26 05 39 00-0047 EA 2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet .....	105.90	48.02
26 05 39 00-0048 EA 1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet .....	116.01	48.02
<b>26 05 39 00-0049 Duct Support Only</b> (26 05 39 00-0039)		
Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050 EA 1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	77.83	35.54
26 05 39 00-0051 EA 2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	91.58	35.54
26 05 39 00-0052 EA 3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	106.43	35.54

**26 Electrical****26 05 Common Work Results for Electrical****26 05 39 Underfloor Raceways for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 39 00-0053	Underfloor Duct Accessories <small>(26 05 39 00-0001)</small>		
26 05 39 00-0054	Plugs For Unused Junction Box Openings And Duct Ends <small>(26 05 39 00-0053)</small>		
26 05 39 00-0055	EA Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends .....	25.82	2.88
26 05 39 00-0056	EA Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends.....	26.33	2.88
26 05 39 00-0057	Conduit Adapters <small>(26 05 39 00-0053)</small>		
26 05 39 00-0058	EA One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter .....	31.96	4.80
26 05 39 00-0059	EA Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter .....	33.94	4.80
26 05 39 00-0060	EA One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter.....	32.96	4.80
26 05 39 00-0061	EA Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter .....	33.97	4.80
26 05 39 00-0062	Holdings And Caps <small>(26 05 39 00-0053)</small>		
26 05 39 00-0063	EA Tile Holder, Underfloor Duct Accessories .....	205.34	40.33
26 05 39 00-0064	EA Terrazzo Holder, Underfloor Duct Accessories.....	395.15	40.33
26 05 39 00-0065	EA Closing Caps For Inserts, Underfloor Duct Accessories .....	2.65	0.96
26 05 39 00-0066	Underfloor Dust Pans <small>(26 05 39 00-0001)</small>		
26 05 39 00-0067	EA Underfloor Dust Carpet Pan.....	90.31	5.27
26 05 43	Underground Ducts and Raceways for Electrical Systems <small>(26 05)</small>		
	Note: Includes warning tape.		
26 05 43 00-0001	Precast Concrete Trenches, One Piece Pedestrian Trench <small>(26 05 43)</small>		
	Note: Rated for 200 PSF Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0002	10" Wide Pedestrian Trench <small>(26 05 43 00-0001)</small>		
26 05 43 00-0003	LF Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench .....	84.22	
26 05 43 00-0004	LF Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench .....	80.45	
26 05 43 00-0005	LF Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench .....	116.97	
26 05 43 00-0006	LF Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench .....	111.74	
26 05 43 00-0007	EA End Wall, 10" Wide x 15" Deep Pedestrian Trench .....	56.32	
26 05 43 00-0008	EA End Wall, 10" Wide x 24" Deep Pedestrian Trench .....	66.33	
26 05 43 00-0009	LF Lid, Concrete, 10" Wide Pedestrian Trench.....	56.14	
26 05 43 00-0010	20" Wide Pedestrian Trench <small>(26 05 43 00-0001)</small>		
26 05 43 00-0011	LF Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench .....	106.51	
26 05 43 00-0012	LF Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench .....	99.85	
26 05 43 00-0013	LF Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench .....	144.06	
26 05 43 00-0014	LF Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench .....	137.99	
26 05 43 00-0015	EA End Wall, 20" Wide x 15" Deep Pedestrian Trench .....	70.19	
26 05 43 00-0016	EA End Wall, 20" Wide x 24" Deep Pedestrian Trench .....	102.31	
26 05 43 00-0017	LF Lid, Concrete, 20" Wide Pedestrian Trench.....	70.22	
26 05 43 00-0018	30" Wide Pedestrian Trench <small>(26 05 43 00-0001)</small>		
26 05 43 00-0019	LF Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench .....	135.39	
26 05 43 00-0020	LF Base, Open Bottom 30" Wide x 15" Deep Pedestrian Trench .....	159.79	
26 05 43 00-0021	LF Base, Solid Bottom 30" Wide x 24" Deep Pedestrian Trench .....	169.53	
26 05 43 00-0022	LF Base, Open Bottom 30" Wide x 24" Deep Pedestrian Trench .....	162.62	
26 05 43 00-0023	EA End Wall, 30" Wide x 15" Deep Pedestrian Trench .....	100.52	
26 05 43 00-0024	EA End Wall, 30" Wide x 24" Deep Pedestrian Trench .....	136.94	
26 05 43 00-0025	LF Lid, Concrete, 30" Wide Pedestrian Trench.....	87.73	
26 05 43 00-0026	40" Wide Pedestrian Trench <small>(26 05 43 00-0001)</small>		
26 05 43 00-0027	LF Base, Solid Bottom 40" Wide x 15" Deep Pedestrian Trench .....	161.85	
26 05 43 00-0028	LF Base, Open Bottom 40" Wide x 15" Deep Pedestrian Trench .....	155.57	
26 05 43 00-0029	LF Base, Solid Bottom 40" Wide x 24" Deep Pedestrian Trench .....	198.09	
26 05 43 00-0030	LF Base, Open Bottom 40" Wide x 24" Deep Pedestrian Trench .....	190.41	
26 05 43 00-0031	EA End Wall, 40" Wide x 15" Deep Pedestrian Trench .....	128.67	
26 05 43 00-0032	EA End Wall, 40" Wide x 24" Deep Pedestrian Trench .....	175.09	
26 05 43 00-0033	LF Lid, Concrete, 40" Wide Pedestrian Trench.....	103.56	
26 05 43 00-0034	Precast Concrete Trenches, One Piece Medium Vehicle Trench <small>(26 05 43)</small>		
	Note: Rated for 7000 lbs Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0035	10" Wide Medium Vehicle Trench <small>(26 05 43 00-0034)</small>		
26 05 43 00-0036	LF Base, Solid Bottom 10" Wide x 15" Deep Medium Vehicle Trench.....	102.71	
26 05 43 00-0037	LF Base, Open Bottom 10" Wide x 15" Deep Medium Vehicle Trench .....	97.82	
26 05 43 00-0038	LF Base, Solid Bottom 10" Wide x 24" Deep Medium Vehicle Trench.....	142.62	
26 05 43 00-0039	LF Base Open Bottom 10" Wide x 24" Deep Medium Vehicle Trench .....	135.87	
26 05 43 00-0040	EA End Wall, 10" Wide x 15" Deep Medium Vehicle Trench.....	66.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0041 EA End Wall, 10" Wide x 24" Deep Medium Vehicle Trench .....	77.10	
26 05 43 00-0042 LF Lid, Concrete 10" Wide Medium Vehicle Trench .....	68.46	
26 05 43 00-0043 LF Lid, Galvanized Steel 10" Wide Medium Vehicle Trench .....	309.57	
<b>26 05 43 00-0044 20" Wide Medium Vehicle Trench</b> <small>(26 05 43 00-0034)</small>		
26 05 43 00-0045 LF Base, Solid Bottom 20" Wide x 15" Deep Medium Vehicle Trench .....	129.08	
26 05 43 00-0046 LF Base, Open Bottom 20" Wide x 15" Deep Medium Vehicle Trench .....	120.49	
26 05 43 00-0047 LF Base, Solid Bottom 20" Wide x 24" Deep Medium Vehicle Trench .....	173.82	
26 05 43 00-0048 LF Base Open Bottom 20" Wide x 24" Deep Medium Vehicle Trench .....	165.97	
26 05 43 00-0049 EA End Wall, 20" Wide x 15" Deep Medium Vehicle Trench .....	82.08	
26 05 43 00-0050 EA End Wall, 20" Wide x 24" Deep Medium Vehicle Trench .....	119.81	
26 05 43 00-0051 LF Lid, Concrete 20" Wide Medium Vehicle Trench .....	85.63	
26 05 43 00-0052 LF Lid, Galvanized Steel 20" Wide Medium Vehicle Trench .....	410.62	
<b>26 05 43 00-0053 30" Wide Medium Vehicle Trench</b> <small>(26 05 43 00-0034)</small>		
26 05 43 00-0054 LF Base, Solid Bottom 30" Wide x 15" Deep Medium Vehicle Trench .....	128.54	
26 05 43 00-0055 LF Base, Open Bottom 30" Wide x 15" Deep Medium Vehicle Trench .....	155.03	
26 05 43 00-0056 LF Base, Solid Bottom 30" Wide x 24" Deep Medium Vehicle Trench .....	203.40	
26 05 43 00-0057 LF Base Open Bottom 30" Wide x 24" Deep Medium Vehicle Trench .....	194.47	
26 05 43 00-0058 EA End Wall, 30" Wide x 15" Deep Medium Vehicle Trench .....	116.93	
26 05 43 00-0059 EA End Wall, 30" Wide x 24" Deep Medium Vehicle Trench .....	161.22	
26 05 43 00-0060 LF Lid, Concrete 30" Wide Medium Vehicle Trench .....	107.25	
26 05 43 00-0061 LF Lid, Galvanized Steel 30" Wide Medium Vehicle Trench .....	512.67	
<b>26 05 43 00-0062 40" Wide Medium Vehicle Trench</b> <small>(26 05 43 00-0034)</small>		
26 05 43 00-0063 LF Base, Solid Bottom 40" Wide x 15" Deep Medium Vehicle Trench .....	192.64	
26 05 43 00-0064 LF Base, Open Bottom 40" Wide x 15" Deep Medium Vehicle Trench .....	184.52	
26 05 43 00-0065 LF Base, Solid Bottom 40" Wide x 24" Deep Medium Vehicle Trench .....	235.85	
26 05 43 00-0066 LF Base Open Bottom 40" Wide x 24" Deep Medium Vehicle Trench .....	225.89	
26 05 43 00-0067 EA End Wall, 40" Wide x 15" Deep Medium Vehicle Trench .....	149.68	
26 05 43 00-0068 EA End Wall, 40" Wide x 24" Deep Medium Vehicle Trench .....	206.09	
26 05 43 00-0069 LF Lid, Concrete 40" Wide Medium Vehicle Trench .....	126.13	
26 05 43 00-0070 LF Lid, Galvanized Steel 40" Wide Medium Vehicle Trench .....	697.18	
<b>26 05 43 00-0071 Precast Concrete Trenches, One Piece H20 Road Crossing Trench</b> <small>(26 05 43)</small>		
<small>Note: H20 Rated for 32000 lbs Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.</small>		
<b>26 05 43 00-0072 10" Wide H20 Road Crossing Trench</b> <small>(26 05 43 00-0071)</small>		
26 05 43 00-0073 LF Base, Solid Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench .....	224.61	
26 05 43 00-0074 LF Base, Open Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench .....	213.65	
26 05 43 00-0075 LF Base, Solid Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench .....	280.31	
26 05 43 00-0076 LF Base, Open Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench .....	266.48	
26 05 43 00-0077 LF Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench .....	215.58	
26 05 43 00-0078 LF Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench .....	205.15	
26 05 43 00-0079 LF Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench .....	271.28	
26 05 43 00-0080 LF Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench .....	258.02	
26 05 43 00-0081 EA End Wall for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench .....	147.84	
26 05 43 00-0082 EA End Wall for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench .....	200.06	
26 05 43 00-0083 EA End Wall for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench .....	133.52	
26 05 43 00-0084 EA End Wall for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench .....	185.42	
26 05 43 00-0085 LF Lid, Concrete 10" Wide Road Crossing Trench .....	103.24	
26 05 43 00-0086 LF Lid, Galvanized Steel 10" Wide Road Crossing Trench .....	336.03	
<b>26 05 43 00-0087 20" Wide H20 Road Crossing Trench</b> <small>(26 05 43 00-0071)</small>		
26 05 43 00-0088 LF Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench .....	237.44	
26 05 43 00-0089 LF Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench .....	226.20	
26 05 43 00-0090 LF Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench .....	313.77	
26 05 43 00-0091 LF Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench .....	298.74	
26 05 43 00-0092 LF Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench .....	237.44	
26 05 43 00-0093 LF Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench .....	226.20	
26 05 43 00-0094 LF Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench .....	304.75	
26 05 43 00-0095 LF Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench .....	290.27	
26 05 43 00-0096 EA End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench .....	211.26	
26 05 43 00-0097 EA End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench .....	287.28	
26 05 43 00-0098 EA End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench .....	190.41	
26 05 43 00-0099 EA End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench .....	266.43	
26 05 43 00-0100 LF Lid, Concrete 20" Wide Road Crossing Trench .....	114.95	
26 05 43 00-0101 LF Lid, Galvanized Steel 20" Wide Road Crossing Trench .....	498.71	
<b>26 05 43 00-0102 30" Wide H20 Road Crossing Trench</b> <small>(26 05 43 00-0071)</small>		
26 05 43 00-0103 LF Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench .....	279.45	
26 05 43 00-0104 LF Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench .....	266.60	
26 05 43 00-0105 LF Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench .....	345.60	
26 05 43 00-0106 LF Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench .....	329.63	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 43 Underground Ducts and Raceways for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 43 00-0107	LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench.....	270.43	
26 05 43 00-0108	LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench.....	258.10	
26 05 43 00-0109	LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench.....	336.57	
26 05 43 00-0110	LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench.....	320.85	
26 05 43 00-0111	EA	End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench.....	281.29	
26 05 43 00-0112	EA	End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench.....	372.90	
26 05 43 00-0113	EA	End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench.....	253.90	
26 05 43 00-0114	EA	End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench.....	345.51	
26 05 43 00-0115	LF	Lid, Concrete 30" Wide Road Crossing Trench.....	145.60	
26 05 43 00-0116	LF	Lid, Galvanized Steel 30" Wide Road Crossing Trench.....	625.45	
<b>26 05 43 00-0117</b>		<b>40" Wide H2O Road Crossing Trench (26 05 43 00-0071)</b>		
26 05 43 00-0118	LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench.....	307.76	
26 05 43 00-0119	LF	Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench.....	293.93	
26 05 43 00-0120	LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench.....	378.95	
26 05 43 00-0121	LF	Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench.....	361.62	
26 05 43 00-0122	LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench.....	298.73	
26 05 43 00-0123	LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench.....	285.47	
26 05 43 00-0124	LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench.....	369.93	
26 05 43 00-0125	LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench.....	353.12	
26 05 43 00-0126	EA	End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench.....	348.91	
26 05 43 00-0127	EA	End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench.....	462.29	
26 05 43 00-0128	EA	End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench.....	315.29	
26 05 43 00-0129	EA	End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench.....	428.67	
26 05 43 00-0130	LF	Lid, Concrete 40" Wide Road Crossing Trench.....	175.78	
26 05 43 00-0131	LF	Lid, Galvanized Steel 40" Wide Road Crossing Trench.....	850.64	
<b>26 05 43 00-0132</b>		<b>Duct Bank (26 05 43)</b>		
		Note: Installation of single or multiple configuration underground utility raceways assembly to have minimum 3" concrete leveling base and encased in concrete envelope. Based on minimum 100' run, minimum 30" bury depth. Includes installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations. See CSI section 03 30 53 00-0001 for concrete.		
<b>26 05 43 00-0133</b>		<b>Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank (26 05 43 00-0132)</b>		
		Note: Includes appropriate spacers and fittings.		
26 05 43 00-0134	LF	2 At 2", Rigid Galvanized Conduit Duct Bank.....	37.52	
26 05 43 00-0135	LF	4 At 2", Rigid Galvanized Conduit Duct Bank.....	75.07	
26 05 43 00-0136	LF	2 At 3", Rigid Galvanized Conduit Duct Bank.....	78.52	
26 05 43 00-0137	LF	4 At 3", Rigid Galvanized Conduit Duct Bank.....	157.55	
26 05 43 00-0138	LF	2 At 4", Rigid Galvanized Conduit Duct Bank.....	115.86	
26 05 43 00-0139	LF	4 At 4", Rigid Galvanized Conduit Duct Bank.....	232.59	
26 05 43 00-0140	LF	6 At 4", Rigid Galvanized Conduit Duct Bank.....	348.77	
26 05 43 00-0141	LF	2 At 5", Rigid Galvanized Conduit Duct Bank.....	224.91	
26 05 43 00-0142	LF	4 At 5", Rigid Galvanized Conduit Duct Bank.....	448.92	
26 05 43 00-0143	LF	6 At 5", Rigid Galvanized Conduit Duct Bank.....	687.38	
26 05 43 00-0144	LF	2 At 6", Rigid Galvanized Conduit Duct Bank.....	318.85	
26 05 43 00-0145	LF	4 At 6", Rigid Galvanized Conduit Duct Bank.....	640.18	
26 05 43 00-0146	LF	6 At 6", Rigid Galvanized Conduit Duct Bank.....	954.96	
<b>26 05 43 00-0147</b>		<b>Polyvinyl Chloride (PVC), Type EB Duct Bank System (26 05 43 00-0132)</b>		
		Note: Includes appropriate spacers and fittings.		
26 05 43 00-0148	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	6.28	
26 05 43 00-0149	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	13.79	
26 05 43 00-0150	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	26.48	
26 05 43 00-0151	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	8.32	
26 05 43 00-0152	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	16.62	
26 05 43 00-0153	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	33.75	
26 05 43 00-0154	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	11.16	
26 05 43 00-0155	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	22.33	
26 05 43 00-0156	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	44.70	
26 05 43 00-0157	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	67.02	
26 05 43 00-0158	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	14.14	
26 05 43 00-0159	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	28.27	
26 05 43 00-0160	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	54.76	
26 05 43 00-0161	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	77.73	
26 05 43 00-0162	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	25.01	
26 05 43 00-0163	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	38.33	
26 05 43 00-0164	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	76.84	
26 05 43 00-0165	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	124.03	
<b>26 05 43 00-0166</b>		<b>Polyvinyl Chloride (PVC), Type DB Duct Bank System (26 05 43 00-0132)</b>		
		Note: Includes appropriate spacers and fittings.		
26 05 43 00-0167	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	6.98	
26 05 43 00-0168	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	15.24	
26 05 43 00-0169	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	29.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0170 LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	8.65	
26 05 43 00-0171 LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	17.28	
26 05 43 00-0172 LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	34.46	
26 05 43 00-0173 LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	11.44	
26 05 43 00-0174 LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	22.90	
26 05 43 00-0175 LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	45.83	
26 05 43 00-0176 LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	68.73	
26 05 43 00-0177 LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	14.57	
26 05 43 00-0178 LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	29.12	
26 05 43 00-0179 LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	56.47	
26 05 43 00-0180 LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	80.30	
26 05 43 00-0181 LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	25.61	
26 05 43 00-0182 LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	39.56	
26 05 43 00-0183 LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	79.30	
26 05 43 00-0184 LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	127.73	

**26 05 43 00-0185 Male Or Female Adapters** (26 05 43 00-0132)

26 05 43 00-0186 EA 2" Adapter .....	35.57	
26 05 43 00-0187 EA 3" Adapter .....	54.63	
26 05 43 00-0188 EA 4" Adapter .....	71.79	
26 05 43 00-0189 EA 5" Adapter .....	120.26	
26 05 43 00-0190 EA 6" Adapter .....	146.38	

**26 05 46 Utility Poles for Electrical Systems** (26 05)

**26 05 46 00-0001 Wood Poles** (26 05 46)

**26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 LB Retention** (26 05 46 00-0001)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
Note: Machine dig and set.		
26 05 46 00-0003 EA 25' Treated Wood Pole, Class 3, Machine Dig And Set.....	851.78	264.86
For Class 1 Pole, Add	112.69	
For Class 2 Pole, Add	64.39	
For Class 4 Pole, Deduct	-32.20	
For Class 5 Pole, Deduct	-96.59	
For Class 6 Pole, Deduct	-128.79	
26 05 46 00-0004 EA 30' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,024.90	293.86
For Class 1 Pole, Add	153.00	
For Class 2 Pole, Add	87.43	
For Class 4 Pole, Deduct	-43.71	
For Class 5 Pole, Deduct	-131.14	
For Class 6 Pole, Deduct	-174.86	
26 05 46 00-0005 EA 35' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,326.90	388.65
For Class 1 Pole, Add	192.40	
For Class 2 Pole, Add	109.94	
For Class 4 Pole, Deduct	-54.97	
For Class 5 Pole, Deduct	-164.91	
For Class 6 Pole, Deduct	-219.88	
26 05 46 00-0006 EA 40' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,522.42	427.48
For Class 1 Pole, Add	233.63	
For Class 2 Pole, Add	133.50	
For Class 4 Pole, Deduct	-66.75	
For Class 5 Pole, Deduct	-200.25	
For Class 6 Pole, Deduct	-267.00	
26 05 46 00-0007 EA 45' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,742.83	476.11
For Class 1 Pole, Add	276.68	
For Class 2 Pole, Add	158.10	
For Class 4 Pole, Deduct	-79.05	
For Class 5 Pole, Deduct	-237.16	
For Class 6 Pole, Deduct	-316.21	
26 05 46 00-0008 EA 50' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,984.81	534.35
For Class 1 Pole, Add	320.66	
For Class 2 Pole, Add	183.23	
For Class 4 Pole, Deduct	-91.62	
For Class 5 Pole, Deduct	-274.85	
For Class 6 Pole, Deduct	-366.47	
26 05 46 00-0009 EA 55' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,222.56	587.72
For Class 1 Pole, Add	366.47	
For Class 2 Pole, Add	209.41	
For Class 4 Pole, Deduct	-104.71	
For Class 5 Pole, Deduct	-314.12	
For Class 6 Pole, Deduct	-418.82	
26 05 46 00-0010 EA 60' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,486.30	646.29
For Class 1 Pole, Add	417.77	
For Class 2 Pole, Add	238.73	
For Class 4 Pole, Deduct	-119.36	
For Class 5 Pole, Deduct	-358.09	
For Class 6 Pole, Deduct	-477.46	
26 05 46 00-0011 EA 65' Treated Wood Pole, Class 3, Machine Dig And Set.....	4,159.20	704.41
For Class 1 Pole, Add	962.62	
For Class 2 Pole, Add	550.07	
For Class 4 Pole, Deduct	-275.04	
For Class 5 Pole, Deduct	-825.11	
For Class 6 Pole, Deduct	-1,100.14	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0012 EA 70' Treated Wood Pole, Class 3, Machine Dig And Set.....	4,573.46	749.32
For Class 1 Pole, Add	1,076.18	
For Class 2 Pole, Add	614.96	
For Class 4 Pole, Deduct	-307.48	
For Class 5 Pole, Deduct	-922.44	
For Class 6 Pole, Deduct	-1,229.92	
26 05 46 00-0013 EA 75' Treated Wood Pole, Class 3, Machine Dig And Set.....	5,033.11	800.33
For Class 1 Pole, Add	1,201.34	
For Class 2 Pole, Add	686.48	
For Class 4 Pole, Deduct	-343.24	
For Class 5 Pole, Deduct	-1,029.72	
For Class 6 Pole, Deduct	-1,372.96	
<b>26 05 46 00-0014 Removal And Relocation Of Wood Poles With Cross Arm</b> (26 05 46 00-0001)		
26 05 46 00-0015 LF Removal And Relocation Of Up To 75' Wood Pole With Cross Arms.....	22.57	
<b>26 05 46 00-0016 Crossarms</b> (26 05 46)		
Note: Includes hardware and braces.		
<b>26 05 46 00-0017 Wood Single Arm Crossarms</b> (26 05 46 00-0016)		
26 05 46 00-0018 EA 3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces.....	198.60	79.00
26 05 46 00-0019 EA 3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	239.55	79.00
26 05 46 00-0020 EA 3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	251.21	101.57
<b>26 05 46 00-0021 Wood Double Arm Crossarms</b> (26 05 46 00-0016)		
26 05 46 00-0022 EA 3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces.....	509.67	220.05
26 05 46 00-0023 EA 3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	543.20	220.05
26 05 46 00-0024 EA 3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	564.95	220.05
<b>26 05 46 00-0025 Fiberglass Crossarms</b> (26 05 46 00-0016)		
Note: Includes hardware.		
<b>26 05 46 00-0026 Single Phase, 15 Degree Angle</b> (26 05 46 00-0025)		
26 05 46 00-0027 EA Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB.....	213.72	
26 05 46 00-0028 EA Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB.....	270.63	47.39
26 05 46 00-0029 EA Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB.....	281.92	50.78
<b>26 05 46 00-0030 Two Phase, 15 Degree Angle</b> (26 05 46 00-0025)		
26 05 46 00-0031 EA Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB.....	337.63	60.94
<b>26 05 46 00-0032 Fiberglass Crossarm Accessories</b> (26 05 46 00-0025)		
26 05 46 00-0033 EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor.....	605.23	77.86
26 05 46 00-0034 EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor.....	715.76	94.80
26 05 46 00-0035 EA Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded.....	105.26	13.54
26 05 46 00-0036 EA Three Phase Equipment Mounting Bracket.....	526.28	67.71
26 05 46 00-0037 EA Fiberglass Bull Horn Crossarm.....	406.04	112.85
<b>26 05 46 00-0038 Insulator Support System</b> (26 05 46 00-0016)		
<b>26 05 46 00-0039 Epoxy Construction Units, In Place Mounting</b> (26 05 46 00-0038)		
Note: Includes hardware.		
26 05 46 00-0040 EA 1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting.....	121.82	
26 05 46 00-0041 EA 1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting.....	101.45	
26 05 46 00-0042 EA Deadend Arms, In Place Mounting.....	309.75	
26 05 46 00-0043 EA 1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting.....	198.03	
<b>26 05 46 00-0044 Epoxy Construction Units, Grounding Mounting</b> (26 05 46 00-0038)		
Note: Includes hardware.		
26 05 46 00-0045 EA 1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting.....	89.17	
26 05 46 00-0046 EA 1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting.....	79.69	
26 05 46 00-0047 EA Deadend Arms, Grounding Mounting.....	287.99	
<b>26 05 46 00-0048 Guying</b> (26 05 46)		
Note: Includes cable, anchor and rod assembly, guy marker.		
<b>26 05 46 00-0049 Down Guy</b> (26 05 46 00-0048)		
26 05 46 00-0050 EA Down Guy For 25' To 40' Pole.....	818.51	315.97
26 05 46 00-0051 EA Down Guy For 45' To 60' Pole.....	836.01	315.97
26 05 46 00-0052 EA Down Guy For 65' To 75' Pole.....	872.00	315.97
26 05 46 00-0053 EA Guy Guard, Plastic.....	38.00	
<b>26 05 46 00-0054 Head Guy, 50' Spans</b> (26 05 46 00-0048)		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0055 EA Head Guy (50' Span), For 25' To 40' Pole .....	1,161.55	485.25
26 05 46 00-0056 EA Head Guy (50' Span), For 45' To 60' Pole .....	1,161.55	485.25
26 05 46 00-0057 EA Head Guy (50' Span), For 65' To 75' Pole .....	1,161.55	485.25
<b>26 05 46 00-0058 Guy Strain Insulators Additional Insulators (26 05 46 00-0048)</b>		
Note: As required at same material cost and labor.		
26 05 46 00-0059 EA Guy Strain Insulator .....	481.23	236.99
<b>26 05 46 00-0060 Insulators (26 05 46)</b>		
<b>26 05 46 00-0061 Pin Insulator With Pin (26 05 46 00-0060)</b>		
26 05 46 00-0062 EA 5 KV Class 55-3, Pin Insulator With Pin .....	155.40	67.71
26 05 46 00-0063 EA 15 KV Class 55-5, Pin Insulator With Pin .....	162.12	67.71
<b>26 05 46 00-0064 Suspension Insulator (26 05 46 00-0060)</b>		
Note: Includes clevis and strain clamp.		
26 05 46 00-0065 EA 5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp .....	200.77	90.28
26 05 46 00-0066 EA 15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp .....	219.02	90.28
26 05 46 00-0067 EA 25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp .....	314.05	112.85
26 05 46 00-0068 EA 50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp .....	506.88	180.56
<b>26 05 46 00-0069 Spool Insulator With Clevis (26 05 46 00-0060)</b>		
26 05 46 00-0070 EA 5 KV Class 53-5, Spool Insulator With Clevis .....	66.85	28.21
26 05 46 00-0071 EA 15 KV Class, Spool Insulator With Clevis .....	216.60	101.57
26 05 46 00-0072 EA 25 KV Class, Spool Insulator With Clevis .....	280.29	101.57
<b>26 05 46 00-0073 Secondary Rack (26 05 46 00-0060)</b>		
26 05 46 00-0074 EA 1 Spool Secondary Rack .....	132.40	56.43
26 05 46 00-0075 EA 2 Spool Secondary Rack .....	138.30	72.00
26 05 46 00-0076 EA 3 Spool Secondary Rack .....	206.77	95.92
26 05 46 00-0077 EA 4 Spool Secondary Rack .....	231.52	95.92
<b>26 05 46 00-0078 Outdoor Load Break Switches (26 05 46)</b>		
Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
<b>26 05 46 00-0079 7.2 KV Outdoor Load Break Switches (26 05 46 00-0078)</b>		
26 05 46 00-0080 EA 600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	4,205.86	383.68
26 05 46 00-0081 EA 1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	8,285.57	383.68
26 05 46 00-0082 EA 1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	12,344.97	648.88
26 05 46 00-0083 EA 2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	12,578.31	648.88
<b>26 05 46 00-0084 14.4 KV Outdoor Load Break Switches (26 05 46 00-0078)</b>		
26 05 46 00-0085 EA 600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	5,151.40	383.68
26 05 46 00-0086 EA 1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	9,803.04	383.68
26 05 46 00-0087 EA 1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	12,344.97	648.88
26 05 46 00-0088 EA 2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	12,578.31	648.88
<b>26 05 46 00-0089 23 KV Outdoor Load Break Switches (26 05 46 00-0078)</b>		
26 05 46 00-0090 EA 600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	5,676.89	445.76
26 05 46 00-0091 EA 1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	10,723.88	445.76
26 05 46 00-0092 EA 1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	12,885.54	767.38
26 05 46 00-0093 EA 2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	13,126.53	767.38
<b>26 05 46 00-0094 Square Distribution Poles (26 05 46)</b>		
<b>26 05 46 00-0095 Square Steel Tapered Shaft Distribution Poles (26 05 46 00-0094)</b>		
26 05 46 00-0096 EA 20', Steel Taped Shaft Distribution Pole .....	3,427.70	479.61
26 05 46 00-0097 EA 25', Steel Taped Shaft Distribution Pole .....	3,831.24	507.82
26 05 46 00-0098 EA 30', Steel Taped Shaft Distribution Pole .....	4,150.54	564.25
26 05 46 00-0099 EA 35', Steel Taped Shaft Distribution Pole .....	4,594.89	620.67
26 05 46 00-0100 EA 40', Steel Taped Shaft Distribution Pole .....	6,311.24	677.10
<b>26 05 46 00-0101 Square Prestressed Concrete Distribution Poles (26 05 46 00-0094)</b>		
26 05 46 00-0102 EA 30', Prestressed Concrete Square Pole For Distribution .....	4,412.84	834.90
26 05 46 00-0103 EA 35', Prestressed Concrete Square Pole For Distribution .....	4,997.34	915.71
26 05 46 00-0104 EA 40', Prestressed Concrete Square Pole For Distribution .....	5,873.47	1,023.43
26 05 46 00-0105 EA 45', Prestressed Concrete Square Pole For Distribution .....	6,620.80	1,131.16
26 05 46 00-0106 EA 50', Prestressed Concrete Square Pole For Distribution .....	5,237.15	1,373.55
26 05 46 00-0107 EA 55', Prestressed Concrete Square Pole For Distribution .....	9,340.93	1,615.95
26 05 46 00-0108 EA 60', Prestressed Concrete Square Pole For Distribution .....	11,032.96	1,831.40

**26 Electrical****26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0109 EA 65', Prestressed Concrete Square Pole For Distribution.....	13,309.60	2,262.33
26 05 46 00-0110 EA 70', Prestressed Concrete Square Pole For Distribution.....	14,915.61	2,477.78
<b>26 05 46 00-0111 Aluminum Tapered Poles (26 05 46)</b>		
<b>26 05 46 00-0112 Aluminum Tapered Round Seamless Shaft Poles (26 05 46 00-0111)</b>		
26 05 46 00-0113 EA 20', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	2,979.80	423.19
26 05 46 00-0114 EA 25', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	4,180.72	451.39
26 05 46 00-0115 EA 30', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	4,810.07	507.82
26 05 46 00-0116 EA 35', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	5,713.33	564.25
26 05 46 00-0117 EA 40', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	8,693.50	620.67
<b>26 05 46 00-0118 Steel Service Poles Distribution (26 05 46)</b>		
Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
<b>26 05 46 00-0119 Round Tapered Pole (26 05 46 00-0118)</b>		
26 05 46 00-0120 EA 40', Galvanized Steel Tapered Round Pole For Distribution.....	4,144.37	677.10
26 05 46 00-0121 EA 45', Galvanized Steel Tapered Round Pole For Distribution.....	4,820.44	733.52
26 05 46 00-0122 EA 50', Galvanized Steel Tapered Round Pole For Distribution.....	5,135.27	789.95
26 05 46 00-0123 EA 55', Galvanized Steel Tapered Round Pole For Distribution.....	6,049.71	902.80
26 05 46 00-0124 EA 60', Galvanized Steel Tapered Round Pole For Distribution.....	7,490.04	1,015.64
26 05 46 00-0125 EA 65', Galvanized Steel Tapered Round Pole For Distribution.....	8,793.17	1,265.83
26 05 46 00-0126 EA 70', Galvanized Steel Tapered Round Pole For Distribution.....	9,784.65	1,436.04
26 05 46 00-0127 EA 75', Galvanized Steel Tapered Round Pole For Distribution.....	10,812.61	1,615.95
26 05 46 00-0128 EA 80', Galvanized Steel Tapered Round Pole For Distribution.....	12,128.01	1,831.40
26 05 46 00-0129 EA 85', Galvanized Steel Tapered Round Pole For Distribution.....	12,961.84	1,939.14
26 05 46 00-0130 EA 90', Galvanized Steel Tapered Round Pole For Distribution.....	14,057.56	2,154.60
26 05 46 00-0131 EA 95', Galvanized Steel Tapered Round Pole For Distribution.....	15,468.60	2,423.92
26 05 46 00-0132 EA 100', Galvanized Steel Tapered Round Pole For Distribution.....	17,059.14	2,747.11
<b>26 05 46 00-0133 12 Sided Tapered (26 05 46 00-0118)</b>		
26 05 46 00-0134 EA 40', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	7,135.36	677.10
26 05 46 00-0135 EA 45', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	7,876.24	733.52
26 05 46 00-0136 EA 50', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	8,724.62	789.95
26 05 46 00-0137 EA 55', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	9,582.39	902.80
26 05 46 00-0138 EA 60', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	12,752.72	1,015.64
26 05 46 00-0139 EA 65', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	14,088.23	1,265.83
26 05 46 00-0140 EA 70', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	16,324.60	1,436.04
26 05 46 00-0141 EA 75', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	17,558.71	1,615.95
26 05 46 00-0142 EA 80', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	18,865.63	1,831.40
26 05 46 00-0143 EA 85', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	19,986.89	1,939.14
26 05 46 00-0144 EA 90', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	22,695.31	2,154.60
26 05 46 00-0145 EA 95', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	24,082.15	2,423.92
26 05 46 00-0146 EA 100', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	25,729.25	2,747.11
26 05 46 00-0147 EA 105', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	27,493.66	3,070.30
<b>26 05 46 00-0148 Standard Options For Round, 12 Sided and Octagonal Tapered Poles (26 05 46 00-0118)</b>		
26 05 46 00-0149 EA Ladder Clips.....	20.11	
26 05 46 00-0150 EA Coal Tar Epoxy Coating From Base To 1' Above Ground Line.....	150.87	
26 05 46 00-0151 EA Ground Sleeve-2' At Ground Line.....	151.75	
<b>26 05 46 00-0152 Arms With Baseplates And Endplates (26 05 46 00-0118)</b>		
26 05 46 00-0153 EA 4' Arm With Baseplate And Endplate.....	734.66	112.85
26 05 46 00-0154 EA 5' Arm With Baseplate And Endplate.....	803.67	112.85
26 05 46 00-0155 EA 6' Arm With Baseplate And Endplate.....	986.43	169.28
26 05 46 00-0156 EA 7' Arm With Baseplate And Endplate.....	1,046.79	169.28
26 05 46 00-0157 EA 8' Arm With Baseplate And Endplate.....	1,227.79	225.70
26 05 46 00-0158 EA 9' Arm With Baseplate And Endplate.....	1,296.76	225.70
26 05 46 00-0159 EA 10' Arm With Baseplate And Endplate.....	1,728.85	282.13
26 05 46 00-0160 EA 11' Arm With Baseplate And Endplate.....	1,806.28	282.13
<b>26 05 46 00-0161 Standard Vangs Load Bearing At Any Angle (26 05 46 00-0118)</b>		
26 05 46 00-0162 EA 15,000 LB Standard Vangs Load Bearing At Any Angle.....	282.62	112.85
26 05 46 00-0163 EA 30,000 LB Standard Vangs Load Bearing At Any Angle.....	324.89	112.85
26 05 46 00-0164 EA 45,000 LB Standard Vangs Load Bearing At Any Angle.....	382.71	112.85
<b>26 05 46 00-0165 Armless Construction Brackets (26 05 46 00-0118)</b>		
<b>26 05 46 00-0166 Verticals Insulator And Equipment Bracket (26 05 46 00-0165)</b>		
26 05 46 00-0167 EA 7" 1 Position Vertical Insulation And Equipment Bracket.....	289.51	112.85
26 05 46 00-0168 EA 12" 1 Position Vertical Insulation And Equipment Bracket.....	316.20	112.85
26 05 46 00-0169 EA 12" 3 Position Vertical Insulation And Equipment Bracket.....	359.58	112.85
26 05 46 00-0170 EA 18" 1 Position Vertical Insulation And Equipment Bracket.....	500.56	169.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0171 EA 18" 3 Position Vertical Insulation And Equipment Bracket.....	525.89	169.28
<b>26 05 46 00-0172 Horizontal And Multiple Insulator Brackets (26 05 46 00-0165)</b>		
26 05 46 00-0173 EA Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets .....	268.72	112.85
26 05 46 00-0174 EA Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets .....	324.82	112.85
26 05 46 00-0175 EA Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets .....	473.39	169.28
26 05 46 00-0176 EA Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets .....	605.78	169.28
26 05 46 00-0177 EA Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets .....	774.02	225.70
26 05 46 00-0178 EA Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets .....	844.29	225.70
<b>26 05 46 00-0179 Pole Top Bracket And Pins (26 05 46 00-0165)</b>		
26 05 46 00-0180 EA Pole Top Pin - 5".....	276.86	112.85
26 05 46 00-0181 EA Pole Top Bracket - 5".....	290.48	112.85
<b>26 05 46 00-0182 Angle Pins (26 05 46 00-0165)</b>		
26 05 46 00-0183 EA Angle Pin - 25 Degree, 6" .....	275.02	112.85
26 05 46 00-0184 EA Angle Pin - 25 Degree, 7 1/4" .....	319.26	112.85
<b>26 05 46 00-0185 Static And Neutral Wire Brackets (26 05 46 00-0165)</b>		
26 05 46 00-0186 EA Neutral Wire Extension Bracket.....	295.76	112.85
26 05 46 00-0187 EA Static Wire Support Bracket.....	300.78	112.85
<b>26 05 46 00-0188 Cutout, Arrestor And Terminator Brackets (26 05 46 00-0165)</b>		
26 05 46 00-0189 EA Cutout And Arrestor, With Mounting Bracket .....	255.63	112.85
26 05 46 00-0190 EA Equipment Mounting T Bracket.....	275.22	112.85
26 05 46 00-0191 EA 15 KV Cutout .....	364.87	
26 05 46 00-0192 EA 9/10 KV Arrestor .....	337.32	112.85
<b>26 05 46 00-0193 Spacer Cable, Conduit Support And Cluster Bracket (26 05 46 00-0165)</b>		
26 05 46 00-0194 EA Parallel Cable Spacer .....	331.82	112.85
26 05 46 00-0195 EA Conduit Standoff Support Bracket .....	315.79	112.85
26 05 46 00-0196 EA Three Transformer Pole Mounted Cluster Bracket .....	871.75	112.85
<b>26 05 46 00-0197 15 KV, 200 Amperes, Solenoid Operated High Voltage Switch (26 05 46 00-0165)</b>		
Note: Includes pole mounting bracket.		
26 05 46 00-0198 EA 15 KV, 1 Phase, Solenoid Switch With Pole Bracket.....	1,778.27	282.13
<b>26 05 46 00-0199 Octagonal Tapered (26 05 46 00-0118)</b>		
26 05 46 00-0200 EA 40', Galvanized Steel Tapered Octagonal Pole For Distribution .....	7,357.67	677.10
26 05 46 00-0201 EA 45', Galvanized Steel Tapered Octagonal Pole For Distribution .....	8,122.80	733.52
26 05 46 00-0202 EA 50', Galvanized Steel Tapered Octagonal Pole For Distribution .....	8,999.48	789.95
26 05 46 00-0203 EA 55', Galvanized Steel Tapered Octagonal Pole For Distribution .....	9,881.50	959.21
26 05 46 00-0204 EA 60', Galvanized Steel Tapered Octagonal Pole For Distribution .....	13,165.01	1,015.64
26 05 46 00-0205 EA 65', Galvanized Steel Tapered Octagonal Pole For Distribution .....	14,532.85	1,265.83
26 05 46 00-0206 EA 70', Galvanized Steel Tapered Octagonal Pole For Distribution .....	16,841.98	1,346.62
26 05 46 00-0207 EA 75', Galvanized Steel Tapered Octagonal Pole For Distribution .....	18,110.44	1,615.95
26 05 46 00-0208 EA 80', Galvanized Steel Tapered Octagonal Pole For Distribution .....	19,449.69	1,723.67
26 05 46 00-0209 EA 85', Galvanized Steel Tapered Octagonal Pole For Distribution .....	20,605.32	1,939.14
26 05 46 00-0210 EA 90', Galvanized Steel Tapered Octagonal Pole For Distribution .....	23,400.65	2,046.87
26 05 46 00-0211 EA 95', Galvanized Steel Tapered Octagonal Pole For Distribution .....	24,823.86	2,423.92
26 05 46 00-0212 EA 100', Galvanized Steel Tapered Octagonal Pole For Distribution .....	26,507.33	2,585.51
26 05 46 00-0213 EA 105', Galvanized Steel Tapered Octagonal Pole For Distribution .....	28,312.17	2,908.71
<b>26 05 46 00-0214 Removal And Relocation Of Steel Service Poles (26 05 46 00-0118)</b>		
26 05 46 00-0215 LF Removal And Relocation Of Steel Service Poles With Arms Up To 60'.....	39.49	
<b>26 05 46 00-0216 Special Steel Bases For Poles (26 05 46 00-0118)</b>		
26 05 46 00-0217 EA Spin-In Steel Base For Poles.....	252.99	
26 05 46 00-0218 EA Series 3, 25' Pole And less .....	282.55	56.43
26 05 46 00-0219 EA Series 4, 40' Pole And less .....	337.18	64.89
26 05 46 00-0220 EA Series 5, 50' Pole And less.....	386.18	70.53
<b>26 05 53 Identification for Electrical Systems (26 05)</b>		
<b>26 05 53 00-0001 Conduit Markers Pressure-Sensitive (26 05 53)</b>		
Note: Stick-on, includes arrow tape.		
26 05 53 00-0002 EA 1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	10.90	
26 05 53 00-0003 EA 3/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	11.38	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 53 Identification for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on.....	12.35	
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	12.54	
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	12.73	
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on.....	13.02	
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	15.33	
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on.....	15.72	
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	16.00	
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on.....	16.30	
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	16.90	
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on.....	17.55	
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on.....	18.11	
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on.....	18.68	
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on.....	20.55	
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on.....	21.60	

**26 05 53 00-0018 Labeling Electrical Wires** (26 05 53)

Note: Self-adhesive vinyl coated white cloth

26 05 53 00-0019	EA	Labeling Wire.....	3.02	
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**26 05 53 00-0020 Equipment Labeling** (26 05 53)

26 05 53 00-0021	EA	Label Both Ends Of One 4 Pair Cable.....	18.90	
26 05 53 00-0022	EA	Label single gang face plate (2 labels required).....	15.12	
26 05 53 00-0023	EA	Label two gang face plate (4 labels required).....	22.68	
26 05 53 00-0024	EA	Label both ends of a Siamese (dual 4 Pair cable).....	18.90	

**26 05 83 Wiring Connections** (26 05)**26 05 83 00-0001 Tape Wrapped Compression Connectors** (26 05 83)

26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	13.70	4.32
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	15.10	4.80
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	16.47	5.28
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	19.24	5.77
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	20.69	6.25
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	23.02	6.72
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	24.70	7.20
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	26.96	7.68
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	29.81	8.64
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	31.22	9.13
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	35.04	9.61
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	38.34	10.09
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	42.97	11.04
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	50.03	12.48

**26 05 83 00-0016 One Hole Compression Lugs** (26 05 83)

26 05 83 00-0017	EA	#22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	16.94	12.48
26 05 83 00-0018	EA	#16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	17.10	12.48
26 05 83 00-0019	EA	#12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	19.38	13.45
26 05 83 00-0020	EA	#8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	24.38	14.88
26 05 83 00-0021	EA	#6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	34.03	19.20
26 05 83 00-0022	EA	#4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	39.57	19.20
26 05 83 00-0023	EA	#2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	45.54	19.20
26 05 83 00-0024	EA	1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	55.84	28.81
26 05 83 00-0025	EA	2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	65.23	28.81
26 05 83 00-0026	EA	3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	76.25	28.81
26 05 83 00-0027	EA	4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	91.83	38.42
26 05 83 00-0028	EA	250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	108.86	57.62
26 05 83 00-0029	EA	300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	124.57	57.62
26 05 83 00-0030	EA	350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	133.80	57.62
26 05 83 00-0031	EA	400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	145.96	67.23
26 05 83 00-0032	EA	500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	159.68	67.23
26 05 83 00-0033	EA	750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	173.41	76.83
26 05 83 00-0034	EA	1,000 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	205.15	86.44

**26 05 83 00-0035 Two Hole Compression Lugs** (26 05 83)

26 05 83 00-0036	EA	#8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	34.81	16.33
26 05 83 00-0037	EA	#6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	37.48	17.38
26 05 83 00-0038	EA	#4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	39.39	17.38
26 05 83 00-0039	EA	#2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	45.34	19.98
26 05 83 00-0040	EA	1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	55.62	24.97
26 05 83 00-0041	EA	2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	65.01	29.67
26 05 83 00-0042	EA	3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	76.00	34.77
26 05 83 00-0043	EA	4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	91.54	42.16
26 05 83 00-0044	EA	250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	108.52	50.04
26 05 83 00-0045	EA	300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	124.18	57.14
26 05 83 00-0046	EA	350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	133.40	61.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0047 EA 400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	145.48	66.66
26 05 83 00-0048 EA 500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	159.14	72.80
26 05 83 00-0049 EA 750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	174.25	78.95
26 05 83 00-0050 EA 1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	216.81	96.04
<b>26 05 83 00-0051 Tape Wrapped Split Bolt Connectors <small>(26 05 83)</small></b>		
26 05 83 00-0052 EA #8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	51.31	38.42
26 05 83 00-0053 EA #6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	56.42	41.30
26 05 83 00-0054 EA #4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	64.38	43.22
26 05 83 00-0055 EA #2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	75.07	48.02
26 05 83 00-0056 EA 1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	88.98	52.83
26 05 83 00-0057 EA 2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	100.86	57.62
26 05 83 00-0058 EA 3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	126.47	62.42
26 05 83 00-0059 EA 4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	135.75	67.23
26 05 83 00-0060 EA 250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	143.21	72.03
26 05 83 00-0061 EA 300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	165.01	79.23
26 05 83 00-0062 EA 350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	186.80	115.25
26 05 83 00-0063 EA 400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	205.19	96.04
26 05 83 00-0064 EA 500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	223.56	129.65
26 05 83 00-0065 EA 750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	250.95	134.46
26 05 83 00-0066 EA 1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	287.22	144.06
<b>26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone <small>(26 05 83)</small></b>		
26 05 83 00-0068 EA #8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	88.83	38.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.17	
26 05 83 00-0069 EA #4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	98.36	38.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.87	
26 05 83 00-0070 EA 1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	135.79	57.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.01	
26 05 83 00-0071 EA 4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	153.52	57.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.94	
26 05 83 00-0072 EA 300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	184.28	72.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.66	
26 05 83 00-0073 EA 500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	258.61	96.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.03	
<b>26 05 83 00-0074 Terminal Blocks <small>(26 05 83)</small></b>		
Note: Labor excludes wire termination.		
26 05 83 00-0075 EA Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt.....	887.93	355.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	213.42	
26 05 83 00-0076 EA #22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block .....	256.22	48.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.15	
26 05 83 00-0077 EA #8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block .....	285.70	48.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.46	
<b>26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection <small>(26 05 83)</small></b>		
26 05 83 00-0079 EA #8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	34.80	17.38
26 05 83 00-0080 EA #6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	37.49	17.38
26 05 83 00-0081 EA #4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	39.39	17.38
26 05 83 00-0082 EA #2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	45.34	19.98
26 05 83 00-0083 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	55.62	24.97
26 05 83 00-0084 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	65.01	29.67
26 05 83 00-0085 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	76.00	34.77
26 05 83 00-0086 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	91.54	42.16
26 05 83 00-0087 EA 250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	108.52	50.04
26 05 83 00-0088 EA 300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	124.18	57.14
26 05 83 00-0089 EA 350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	133.40	61.56
26 05 83 00-0090 EA 400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	145.48	66.66
26 05 83 00-0091 EA 500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	159.14	72.80
26 05 83 00-0092 EA 750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	159.63	72.80
26 05 83 00-0093 EA #8 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	34.80	17.38
26 05 83 00-0094 EA #6 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	37.49	17.38
26 05 83 00-0095 EA #4 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	39.39	17.38
26 05 83 00-0096 EA #2 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	45.34	19.98
26 05 83 00-0097 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	55.62	24.97
26 05 83 00-0098 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	65.01	29.67
26 05 83 00-0099 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	76.00	34.77
26 05 83 00-0100 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	91.54	42.16
26 05 83 00-0101 EA 250 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	108.52	50.04
26 05 83 00-0102 EA 300 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	124.18	57.14
26 05 83 00-0103 EA 350 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	133.40	61.56
26 05 83 00-0104 EA 400 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	145.48	66.66
26 05 83 00-0105 EA 500 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	159.14	72.80
26 05 83 00-0106 EA 750 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	159.63	72.80
<b>26 05 83 00-0107 Copper Mechanical Lugs <small>(26 05 83)</small></b>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 83 Wiring Connections**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0108	EA		#8 Copper Mechanical Lugs.....	27.21	12.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.20	
26 05 83 00-0109	EA		#6 Copper Mechanical Lugs.....	32.66	14.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.70	
26 05 83 00-0110	EA		#4 Copper Mechanical Lugs.....	37.74	16.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.08	
26 05 83 00-0111	EA		#2 Copper Mechanical Lugs.....	49.37	21.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.86	
26 05 83 00-0112	EA		1/0 Copper Mechanical Lugs.....	66.49	28.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.29	
26 05 83 00-0113	EA		2/0 Copper Mechanical Lugs.....	79.23	33.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.08	
26 05 83 00-0114	EA		3/0 Copper Mechanical Lugs.....	92.61	38.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.05	
26 05 83 00-0115	EA		4/0 Copper Mechanical Lugs.....	105.40	43.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.85	
26 05 83 00-0116	EA		250 MCM Copper Mechanical Lugs.....	120.65	48.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.81	
26 05 83 00-0117	EA		300 MCM Copper Mechanical Lugs.....	135.66	52.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.70	
26 05 83 00-0118	EA		350 MCM Copper Mechanical Lugs.....	150.61	57.62
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.57	
26 05 83 00-0119	EA		400 MCM Copper Mechanical Lugs.....	165.47	62.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.43	
26 05 83 00-0120	EA		500 MCM Copper Mechanical Lugs.....	180.56	67.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.34	
26 05 83 00-0121	EA		750 MCM Copper Mechanical Lugs.....	204.65	76.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.95	
26 05 83 00-0122	EA		1,000 MCM Copper Mechanical Lugs.....	231.68	86.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.86	
<b>26 05 83 00-0123</b>			<b>Gel Connectors</b> <small>(26 05 83)</small>		
26 05 83 00-0124	EA		3 Port, #14 to 2/0, Push On Gel Stub Splice Kit.....	62.83	
			Note: Kit contains connector, gel filled cap and cap clamp.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.89	
26 05 83 00-0125	EA		4 Port, #14 to 2, Gel Tap Splice Kit.....	60.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.47	
<b>26 05 83 00-0126</b>			<b>Other Connections</b> <small>(26 05 83)</small>		
26 05 83 00-0127	EA		#14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	9.77	4.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.63	
26 05 83 00-0128	EA		#12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	9.87	4.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.63	
26 05 83 00-0129	EA		#10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	9.97	4.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.63	
<b>26 05 83 00-0130</b>			<b>Motor/Equipment Connections And Terminations</b> <small>(26 05 83)</small>		
			Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0216 for motor mounting.		
<b>26 05 83 00-0131</b>			<b>AC Single Phase, 230 Volt</b> <small>(26 05 83 00-0130)</small>		
26 05 83 00-0132	EA		<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	68.68	24.01
26 05 83 00-0133	EA		1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	67.99	24.01
26 05 83 00-0134	EA		3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	78.42	28.81
26 05 83 00-0135	EA		1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	94.35	36.01
26 05 83 00-0136	EA		1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	95.74	36.01
26 05 83 00-0137	EA		2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	96.02	36.01
26 05 83 00-0138	EA		3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	100.59	36.01
26 05 83 00-0139	EA		5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	125.16	48.02
26 05 83 00-0140	EA		7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	130.29	48.02
26 05 83 00-0141	EA		10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	165.81	60.03
<b>26 05 83 00-0142</b>			<b>AC Three Phase, 230 Volt</b> <small>(26 05 83 00-0130)</small>		
26 05 83 00-0143	EA		1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	67.99	24.01
26 05 83 00-0144	EA		3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	78.42	28.81
26 05 83 00-0145	EA		1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	94.35	36.01
26 05 83 00-0146	EA		1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	95.74	36.01
26 05 83 00-0147	EA		2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	96.02	36.01
26 05 83 00-0148	EA		3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	100.59	36.01
26 05 83 00-0149	EA		5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	125.16	48.02
26 05 83 00-0150	EA		7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	130.29	48.02
26 05 83 00-0151	EA		10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	165.81	60.03
26 05 83 00-0152	EA		15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	172.74	60.03
26 05 83 00-0153	EA		20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	224.06	72.03
26 05 83 00-0154	EA		25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	234.61	72.03
26 05 83 00-0155	EA		30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	323.81	96.04
26 05 83 00-0156	EA		40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	406.48	120.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0157 EA 50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	474.76	144.06
26 05 83 00-0158 EA 60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	570.74	168.07
26 05 83 00-0159 EA 75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	657.86	192.09
26 05 83 00-0160 EA 100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	813.66	240.10
26 05 83 00-0161 EA 125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	957.41	285.72
26 05 83 00-0162 EA 150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,142.30	333.26
26 05 83 00-0163 EA 200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,586.79	499.79
<b>26 05 83 00-0164 AC Three Phase, 460 Volt</b> <small>(26 05 83 00-0130)</small>		
26 05 83 00-0165 EA 1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	67.99	24.01
26 05 83 00-0166 EA 3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	78.42	28.81
26 05 83 00-0167 EA 1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	94.35	36.01
26 05 83 00-0168 EA 1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	95.74	36.01
26 05 83 00-0169 EA 2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	96.02	36.01
26 05 83 00-0170 EA 3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	100.59	36.01
26 05 83 00-0171 EA 5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	125.16	48.02
26 05 83 00-0172 EA 7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	130.29	48.02
26 05 83 00-0173 EA 10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	165.81	60.03
26 05 83 00-0174 EA 15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	172.74	60.03
26 05 83 00-0175 EA 20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	224.07	72.03
26 05 83 00-0176 EA 25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	234.60	72.03
26 05 83 00-0177 EA 30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	323.81	96.04
26 05 83 00-0178 EA 40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	406.77	120.25
26 05 83 00-0179 EA 50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	474.76	144.06
26 05 83 00-0180 EA 60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	570.74	168.07
26 05 83 00-0181 EA 75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	657.86	192.09
26 05 83 00-0182 EA 100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	813.66	240.10
26 05 83 00-0183 EA 125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	957.68	285.82
26 05 83 00-0184 EA 150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,142.67	333.45
26 05 83 00-0185 EA 200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,587.63	500.19
<b>26 05 83 00-0186 AC Single Phase, 120 Volt</b> <small>(26 05 83 00-0130)</small>		
26 05 83 00-0187 EA 1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	68.68	24.01
<b>26 05 83 00-0188 Motor Moisture Sensor</b> <small>(26 05 83 00-0130)</small>		
26 05 83 00-0189 EA Motor Moisture Sensor Located In Winding.....	668.81	
<b>26 09 Instrumentation and Control for Electrical Systems</b> <small>(26)</small>		
Note: Includes testing of new devices and certification.		
<b>26 09 23 Lighting Control Devices</b> <small>(26 09)</small>		
<b>26 09 23 00-0001 Lighting Contactors</b> <small>(26 09 23)</small>		
Note: Up to 600 volt.		
<b>26 09 23 00-0002 Electrically Held, Lighting Contactors</b> <small>(26 09 23 00-0001)</small>		
<b>26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors</b> <small>(26 09 23 00-0002)</small>		
<b>26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors</b> <small>(26 09 23 00-0003)</small>		
26 09 23 00-0005 EA 20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	452.12	76.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	46.10	
26 09 23 00-0006 EA 30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	563.17	86.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	51.86	
26 09 23 00-0007 EA 60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,068.38	134.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	80.67	
26 09 23 00-0008 EA 100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,677.73	182.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	109.49	
26 09 23 00-0009 EA 200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	3,567.38	240.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	144.06	
<b>26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors</b> <small>(26 09 23 00-0003)</small>		
26 09 23 00-0011 EA 20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	510.75	86.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	51.86	
26 09 23 00-0012 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	616.83	96.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	57.63	
26 09 23 00-0013 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,152.72	153.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	92.20	
26 09 23 00-0014 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,809.62	201.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	121.01	
26 09 23 00-0015 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	3,826.13	264.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	158.47	
<b>26 09 23 00-0016 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors</b> <small>(26 09 23 00-0003)</small>		
26 09 23 00-0017 EA 20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	604.36	96.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	57.63	

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0018 EA 30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	730.33	105.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.39	
26 09 23 00-0019 EA 60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,401.04	172.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.72	
26 09 23 00-0020 EA 100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,175.20	220.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.54	
26 09 23 00-0021 EA 200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	4,909.78	288.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.88	
<b>26 09 23 00-0022 NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)</b>		
<b>26 09 23 00-0023 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)</b>		
26 09 23 00-0024 EA 20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	769.39	76.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.10	
26 09 23 00-0025 EA 30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	983.82	86.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.86	
26 09 23 00-0026 EA 60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,907.20	134.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.67	
26 09 23 00-0027 EA 100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	2,869.14	182.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.49	
26 09 23 00-0028 EA 200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	5,600.89	240.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.06	
<b>26 09 23 00-0029 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)</b>		
26 09 23 00-0030 EA 20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	794.86	86.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.86	
26 09 23 00-0031 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,037.48	96.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.63	
26 09 23 00-0032 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,994.00	153.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.20	
26 09 23 00-0033 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,000.22	201.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.01	
26 09 23 00-0034 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	5,858.83	264.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.47	
<b>26 09 23 00-0035 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)</b>		
26 09 23 00-0036 EA 20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	858.00	96.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.63	
26 09 23 00-0037 EA 30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,150.97	105.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.39	
26 09 23 00-0038 EA 60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	2,569.49	172.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.72	
26 09 23 00-0039 EA 100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,692.96	220.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.54	
26 09 23 00-0040 EA 200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	7,844.44	288.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.88	
<b>26 09 23 00-0041 Mechanically Held, Lighting Contactors (26 09 23 00-0001)</b>		
<b>26 09 23 00-0042 NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0041)</b>		
<b>26 09 23 00-0043 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)</b>		
26 09 23 00-0044 EA 20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	683.35	76.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.10	
26 09 23 00-0045 EA 30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	778.01	86.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.86	
26 09 23 00-0046 EA 60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,486.56	134.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.67	
26 09 23 00-0047 EA 100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	2,073.77	182.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.49	
26 09 23 00-0048 EA 200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	4,853.08	240.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.06	
<b>26 09 23 00-0049 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)</b>		
26 09 23 00-0050 EA 20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	728.54	86.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.86	
26 09 23 00-0051 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	833.30	96.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.63	
26 09 23 00-0052 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,573.36	153.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.20	
26 09 23 00-0053 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	2,206.49	201.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.01	
26 09 23 00-0054 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	5,460.32	264.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.47	
<b>26 09 23 00-0055 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)</b>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0056 EA 20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	785.40 57.63	96.04
26 09 23 00-0057 EA 30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	886.94 63.39	105.64
26 09 23 00-0058 EA 60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,843.82 103.72	172.87
26 09 23 00-0059 EA 100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,595.84 132.54	220.90
26 09 23 00-0060 EA 200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,605.47 172.88	288.12
<b>26 09 23 00-0061 NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0041)</b>		
<b>26 09 23 00-0062 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)</b>		
26 09 23 00-0063 EA 20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,040.95 46.10	76.83
26 09 23 00-0064 EA 30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,198.65 51.86	86.44
26 09 23 00-0065 EA 60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,327.85 80.67	134.46
26 09 23 00-0066 EA 100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,265.18 109.49	182.48
26 09 23 00-0067 EA 200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,884.96 144.06	240.10
<b>26 09 23 00-0068 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)</b>		
26 09 23 00-0069 EA 20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,097.79 51.86	86.44
26 09 23 00-0070 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,253.95 57.63	96.04
26 09 23 00-0071 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,414.65 92.20	153.67
26 09 23 00-0072 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,398.72 121.01	201.68
26 09 23 00-0073 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,493.84 158.47	264.12
<b>26 09 23 00-0074 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)</b>		
26 09 23 00-0075 EA 20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,159.14 57.63	96.04
26 09 23 00-0076 EA 30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,307.59 63.39	105.64
26 09 23 00-0077 EA 60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,012.27 103.72	172.87
26 09 23 00-0078 EA 100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,113.60 132.54	220.90
26 09 23 00-0079 EA 200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,480.27 172.88	288.12
<b>26 09 23 00-0080 Combination Lighting Contactors (26 09 23)</b> Note: Up to 600 volt.		
<b>26 09 23 00-0081 Electrically Held, Combination Lighting Contactors (26 09 23 00-0080)</b>		
<b>26 09 23 00-0082 NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0081)</b>		
<b>26 09 23 00-0083 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0082)</b>		
26 09 23 00-0084 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,336.69 63.39	105.64
26 09 23 00-0085 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,094.43 101.42	169.03
26 09 23 00-0086 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,402.97 133.11	221.86
26 09 23 00-0087 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,259.73 174.32	290.52
<b>26 09 23 00-0088 NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0081)</b>		
<b>26 09 23 00-0089 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0088)</b>		

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0090 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,457.18 63.39	105.64
26 09 23 00-0091 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,821.28 101.42	169.03
26 09 23 00-0092 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,416.35 133.11	221.86
26 09 23 00-0093 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,114.40 174.32	290.52
<b>26 09 23 00-0094 Mechanically Held, Combination Lighting Contactors (26 09 23 00-0080)</b>		
<b>26 09 23 00-0095 NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0094)</b>		
<b>26 09 23 00-0096 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0095)</b>		
26 09 23 00-0097 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,464.61 63.39	105.64
26 09 23 00-0098 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,537.21 101.42	169.03
26 09 23 00-0099 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,822.38 133.11	221.86
26 09 23 00-0100 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,451.55 174.32	290.52
<b>26 09 23 00-0101 NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0094)</b>		
<b>26 09 23 00-0102 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0101)</b>		
26 09 23 00-0103 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,586.32 63.39	105.64
26 09 23 00-0104 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,266.52 101.42	169.03
26 09 23 00-0105 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,836.99 133.11	221.86
26 09 23 00-0106 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,306.22 174.32	290.52
<b>26 09 23 00-0107 Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket (26 09 23)</b>		
26 09 23 00-0108 EA 105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.37 15.01	24.97
26 09 23 00-0109 EA 105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.85 15.01	24.97
<b>26 09 23 00-0110 Dimming Module System (Lutron Grafik Eye) (26 09 23)</b>		
26 09 23 00-0111 EA 2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,640.24 57.63	96.04
26 09 23 00-0112 EA 4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,132.07 57.63	96.04
26 09 23 00-0113 EA 6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,632.67 57.63	96.04
<b>26 09 23 00-0114 Dimming Module Contol (Leviton) (26 09 23)</b>		
26 09 23 00-0115 EA 5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	212.60 7.22	12.03
<b>26 09 23 00-0116 Light Control Panels (26 09 23)</b>		
<b>26 09 23 00-0117 Lighting Control Panels (Watt Stopper) (26 09 23 00-0116)</b>		
<b>26 09 23 00-0118 Lighting Control Panels (Watt Stopper) (26 09 23 00-0117)</b>		
26 09 23 00-0119 EA 4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,531.57 80.84	134.73
26 09 23 00-0120 EA 8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,436.02 86.62	144.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0121 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,615.37 86.62	144.36
26 09 23 00-0122 EA 8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,418.01 86.62	144.36
26 09 23 00-0123 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,628.58 86.62	144.36
26 09 23 00-0124 EA 4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,704.06 80.84	134.73
26 09 23 00-0125 EA 8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,828.51 86.62	144.36
26 09 23 00-0126 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,038.87 86.62	144.36
26 09 23 00-0127 EA 8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,502.16 86.62	144.36
26 09 23 00-0128 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,712.72 86.62	144.36
<b>26 09 23 00-0129 Accessories For Lighting Control Panels (Watt Stopper) (26 09 23 00-0117)</b>		
26 09 23 00-0130 EA Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.11 14.44	24.06
26 09 23 00-0131 EA Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.98 11.55	19.24
26 09 23 00-0132 EA Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.87 11.55	19.24
<b>26 09 23 00-0133 Lighting Control Panels (Synergy) (26 09 23 00-0116)</b>		
<b>26 09 23 00-0134 Lighting Control Panels (Synergy) (26 09 23 00-0133)</b>		
26 09 23 00-0135 EA 8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,606.77 86.62	144.36
<b>26 09 23 00-0136 Accessories For Lighting Control Panels (Synergy) (26 09 23 00-0133)</b>		
26 09 23 00-0137 EA Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	644.54 14.44	24.06
26 09 23 00-0138 EA Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	249.50 5.77	9.63
26 09 23 00-0139 EA Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.23 8.66	14.44
<b>26 09 23 00-0140 Lighting Switching Panels (Lutron) (26 09 23 00-0116)</b>		
<b>26 09 23 00-0141 Lighting Switching Panels (Lutron) (26 09 23 00-0140)</b>		
26 09 23 00-0142 EA 8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,109.00 86.62	144.36
26 09 23 00-0143 EA 12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,911.61 92.39	153.99
26 09 23 00-0144 EA 16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,830.07 98.16	163.60
<b>26 09 23 00-0145 Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) (26 09 23 00-0116)</b>		
26 09 23 00-0146 EA 6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,393.10 80.84	134.73
26 09 23 00-0147 EA 12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,597.40 80.84	134.73
26 09 23 00-0148 EA 18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,801.70 80.84	134.73
<b>26 09 23 00-0149 Power Filters (26 09 23 00-0116)</b>		
26 09 23 00-0150 EA 600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure .....	38,985.82	800.31
26 09 23 00-0151 EA 200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure .....	23,127.03	347.96
<b>26 09 23 00-0152 Signal Filters (26 09 23 00-0116)</b>		
26 09 23 00-0153 EA 0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case .....	17,655.39	727.61
26 09 23 00-0154 EA 0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case .....	12,104.81	444.67
26 09 23 00-0155 EA 0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case .....	6,747.20	258.16
26 09 23 00-0156 EA 5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case .....	9,239.55	258.16
<b>26 09 23 00-0157 Lighting Control Devices (Encelium) (26 09 23)</b>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0158	EA		8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120V) With Polaris 3D™ (Encelium EN-ECU-G4-P3D).....	15,425.42	96.24
			Note: Excludes GB II cable.		
26 09 23 00-0159	EA		Server, System Support Unit (SSU) (Encelium EN-SSU-1U) .....	7,026.07	96.24
			Note: Excludes GB II and Ethernet cable.		
26 09 23 00-0160	EA		Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSU/VRT) .....	3,633.98	96.24
			Note: Excludes GB II and Ethernet cable.		
26 09 23 00-0161	EA		Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT) .....	15,516.42	96.24
			Note: Excludes GB II and Ethernet cable.		
26 09 23 00-0162	EA		Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK) .....	116.46	12.03
			Note: Excludes GB II cable.		
26 09 23 00-0163	EA		Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR).....	183.67	12.03
			Note: Excludes GB II cable.		
26 09 23 00-0164	EA		Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK).....	226.72	24.06
			Note: Excludes GB II cable.		
26 09 23 00-0165	EA		Damp Rated, Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR).....	276.12	24.06
			Note: Excludes GB II cable.		
26 09 23 00-0166	EA		Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK) .....	140.52	24.06
			Note: Excludes GB II cable.		
26 09 23 00-0167	EA		Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR).....	207.73	24.06
			Note: Excludes GB II cable.		
26 09 23 00-0168	EA		16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700).....	529.43	48.12
			Note: Excludes cable.		
26 09 23 00-0169	EA		Rack Mounted, Wired Power Bar (Encelium PWR-700) .....	391.36	48.12
26 09 23 00-0170	EA		Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800) .....	738.44	48.12
26 09 23 00-0171	EA		Wall Mounted, 4U Mounting Rack (Encelium RCK-700).....	235.34	48.12
26 09 23 00-0172	EA		4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042) .....	830.90	48.12
			Note: Excludes cable.		
26 09 23 00-0173	EA		Wired BACnet Interface (Encelium BIF-600) .....	8,875.30	192.48
			Note: Excludes cable.		
26 09 23 00-0174	EA		Wired AV Interface (Encelium EN-SW-AVINT) .....	6,619.49	48.12
			Note: Excludes cable.		
26 09 23 00-0175	EA		Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH) .....	242.56	12.03
			Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0176	EA		3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH).....	297.16	12.03
			Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0177	EA		3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH).....	283.99	12.03
			Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0178	EA		5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH).....	297.16	12.03
			Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0179	EA		6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH).....	283.99	12.03
			Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0180	EA		Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT).....	213.05	12.03
			Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0181	EA		Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT).....	297.16	12.03
			Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0182	EA		3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT).....	283.99	12.03
			Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0183	EA		Wired Key Switch Controller (Encelium KSW-300).....	207.73	12.03
			Note: Excludes GB II cable.		
26 09 23 00-0184	EA		Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH) .....	84.86	12.03
			Note: Includes white finish.		
26 09 23 00-0185	EA		1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2) .....	61.93	24.06
26 09 23 00-0186	EA		1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2) .....	62.52	24.06
26 09 23 00-0187	EA		5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2) .....	67.17	24.06
26 09 23 00-0188	EA		10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2) .....	71.76	24.06
26 09 23 00-0189	EA		15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2) .....	77.25	24.06
26 09 23 00-0190	EA		20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2) .....	82.19	24.06
26 09 23 00-0191	EA		25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2) .....	88.26	24.06
26 09 23 00-0192	EA		50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2) .....	115.71	24.06
26 09 23 00-0193	EA		1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2) .....	809.67	24.06
26 09 23 00-0194	EA		Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2).....	187.45	24.06
26 09 23 00-0195	EA		1,000' Box, Category 5, Network Cable (Encelium NWC-400-B).....	1,048.77	24.06
26 09 23 00-0196	EA		Indoor Wired Photo Sensor (Encelium PHS-700) .....	596.58	48.12
			Note: Excludes GB II cable.		
26 09 23 00-0197	EA		Outdoor Wired Photo Sensor (Encelium PHS-800) .....	596.58	48.12
			Note: Excludes GB II cable.		
26 09 23 00-0198	EA		Skylight Wired Photo Sensor (Encelium PHS-900).....	596.58	48.12
			Note: Excludes GB II cable.		
26 09 23 00-0199	EA		450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450).....	299.06	48.12
			Note: Excludes GB II cable.		
26 09 23 00-0200	EA		1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500).....	289.08	48.12
			Note: Excludes GB II cable.		
26 09 23 00-0201	EA		2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00) .....	295.73	48.12
			Note: Excludes GB II cable.		
26 09 23 00-0202	EA		High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY).....	328.98	48.12
			Note: Excludes GB II cable.		
26 09 23 00-0203	EA		Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG).....	295.73	48.12
			Note: Excludes GB II cable.		
26 09 23 00-0204	EA		120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV) .....	229.25	48.12
			Note: Excludes GB II cable.		
26 09 23 00-0205	EA		High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPM24V) .....	244.44	48.12
			Note: Excludes GB II cable.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0206 EA High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V)..... 244.44 48.12 Note: Excludes GB II cable.		
26 09 23 00-0207 EA 360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLENS360) ..... 117.78 48.12 Note: Excludes GB II cable.		
26 09 23 00-0208 EA Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24)..... 303.96 48.12 Note: Excludes GB II cable.		
26 09 23 00-0209 EA Hallway, Wired Occupancy Sensor (Encelium HW-13) ..... 439.50 48.12 Note: Excludes GB II cable.		
26 09 23 00-0210 EA 500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500) ..... 382.18 48.12 Note: Excludes GB II cable.		
26 09 23 00-0211 EA 1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000) ..... 408.78 48.12 Note: Excludes GB II cable.		
26 09 23 00-0212 EA 2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000) ..... 422.09 48.12 Note: Excludes GB II cable.		
26 09 23 00-0213 EA 1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM- 1200) ..... 378.85 48.12 Note: Excludes GB II cable.		
26 09 23 00-0214 EA 120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV) ..... 312.37 48.12 Note: Excludes GB II cable.		
26 09 23 00-0215 EA 500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W) ..... 396.48 48.12 Note: Excludes GB II cable.		
26 09 23 00-0216 EA 1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W) ..... 393.00 48.12 Note: Excludes GB II cable.		
26 09 23 00-0217 EA 2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W) ..... 438.37 48.12 Note: Excludes GB II cable.		
26 09 23 00-0218 EA 1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W) ..... 424.42 48.12 Note: Excludes GB II cable.		
26 09 23 00-0219 EA Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24)..... 458.51 48.12 Note: Excludes GB II cable.		
26 09 23 00-0220 EA Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV)..... 424.56 48.12 Note: Excludes GB II cable.		
26 09 23 00-0221 EA Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT) ..... 424.56 48.12 Note: Excludes GB II cable.		
26 09 23 00-0222 EA 10A, 120V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C) ..... 271.33 48.12		
26 09 23 00-0223 EA 10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C) ..... 292.23 48.12		
26 09 23 00-0224 EA 20A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P) ..... 528.96 48.12		
26 09 23 00-0225 EA 20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P) ..... 567.33 48.12		
26 09 23 00-0226 EA 10A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D)..... 412.53 48.12		
26 09 23 00-0227 EA 10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D)..... 431.08 48.12		
26 09 23 00-0228 EA 24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2) ..... 1,256.47 96.24 Note: Excludes GB II cable and enclosure.		
26 09 23 00-0229 EA 24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V) ..... 3,885.87 384.95 Note: Excludes GB II cable.		
26 09 23 00-0230 EA 12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V) ..... 5,755.45 384.95 Note: Excludes GB II cable.		
26 09 23 00-0231 EA 24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V) ..... 7,625.02 384.95 Note: Excludes GB II cable.		
26 09 23 00-0232 EA Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2) ..... 628.23 48.12 Note: Excludes GB II cable.		
26 09 23 00-0233 EA Wired DALI Bridge (Encelium EN-DB-1L-GB2) ..... 723.24 48.12 Note: Excludes GB II cable.		
26 09 23 00-0234 EA Wireless Manager (Encelium EN-WM-ZB-P3D) ..... 1,996.22 48.12 Note: Includes white finish.		
26 09 23 00-0235 EA Wireless Control Module (Encelium EN-WCM-ZB)..... 263.45 24.06		
26 09 23 00-0236 EA Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR) ..... 314.12 24.06		
26 09 23 00-0237 EA Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK)..... 315.38 24.06		
26 09 23 00-0238 EA Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR) ..... 327.33 24.06		
26 09 23 00-0239 EA 2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... 239.39 12.03 Note: Includes white finish.		
26 09 23 00-0240 EA 3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) ..... 239.39 12.03 Note: Includes white finish.		
26 09 23 00-0241 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) ..... 239.39 12.03 Note: Includes white finish.		
26 09 23 00-0242 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) ..... 239.39 12.03 Note: Includes white finish.		
26 09 23 00-0243 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) ..... 239.39 12.03 Note: Includes white finish.		
26 09 23 00-0244 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) ..... 247.62 12.03		
26 09 23 00-0245 EA 315 MHz, Wireless Photocell (Encelium TAP-17C) ..... 514.23 48.12		
26 09 23 00-0246 EA 450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB) ..... 311.57 48.12		
26 09 23 00-0247 EA 1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB) ..... 311.57 48.12		
26 09 23 00-0248 EA 1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)..... 362.24 48.12		
26 09 23 00-0249 EA 450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)..... 362.24 48.12		
26 09 23 00-0250 EA 2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... 239.39 12.03 Note: Includes white finish.		
26 09 23 00-0251 EA 3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) ..... 239.39 12.03 Note: Includes white finish.		
26 09 23 00-0252 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) ..... 239.39 12.03 Note: Includes white finish.		

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0253 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) ..... Note: Includes white finish.	239.39	12.03
26 09 23 00-0254 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)..... Note: Includes white finish.	239.39	12.03
26 09 23 00-0255 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) ..... Note: Includes white finish.	247.62	12.03
26 09 23 00-0256 EA 315 MHz, Wireless Photocell (Encelium TAP-17C) ..... 26 09 23 00-0257 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH).....	514.23 239.39	48.12 12.03
26 09 23 00-0258 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH).....	239.39	12.03
26 09 23 00-0259 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	239.39	12.03
26 09 23 00-0260 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) ..... 26 09 23 00-0261 EA 315 MHz, Wireless Photocell (Encelium TAP-17C) .....	247.62 514.23	12.03 48.12
26 09 23 00-0262 EA 450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB).....	311.57	48.12
26 09 23 00-0263 EA 1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB).....	311.57	48.12
26 09 23 00-0264 EA 1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	362.24	48.12
26 09 23 00-0265 EA 450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	362.24	48.12
26 09 23 00-0266 EA 2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	239.39	12.03
26 09 23 00-0267 EA 3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH)..... Note: Includes white finish.	239.39	12.03
26 09 23 00-0268 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)..... Note: Includes white finish.	239.39	12.03
26 09 23 00-0269 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)..... Note: Includes white finish.	239.39	12.03
26 09 23 00-0270 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)..... Note: Includes white finish.	239.39	12.03
26 09 23 00-0271 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) .....	247.62	12.03
26 09 23 00-0272 EA 315 MHz, Wireless Photocell (Encelium TAP-17C) .....	514.23	48.12
26 09 23 00-0273 EA Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB).....	125.37	48.12
26 09 23 00-0274 EA Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit) .....	680.89	48.12
<b>26 09 23 00-0275 Lighting Control Sensors (26 09 23)</b>		
26 09 23 00-0276 EA DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI) .....	365.02	21.65
26 09 23 00-0277 EA DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI) .....	365.02	21.65
26 09 23 00-0278 EA Smart Multi-sensor (LG 9SD131VDA.ALWB000).....	318.33	21.65
26 09 23 00-0279 EA Zigbee Dongle (LG 9CM2315VD2.AWP01U).....	94.29	14.44
26 09 23 00-0280 EA Clip for Performance Troffer (LG BKTTR015122.BUAAWAA).....	6.76	
26 09 23 00-0281 EA Clip for Downlight (BKTCE015123.BUAAWAA).....	62.16	
26 09 23 00-0282 EA Clip for Tube (LG BKTU015121.BUAAWAA).....	10.16	
<b>26 09 23 00-0283 Radio Controlled Devices (Lutron) (26 09 23)</b>		
<b>26 09 23 00-0284 Tabletop Transmitters For Radio Controlled Devices (26 09 23 00-0283)</b>		
<b>26 09 23 00-0285 Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0284)</b>		
26 09 23 00-0286 EA One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH).....	489.98	14.44
26 09 23 00-0287 EA Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH).....	639.07	14.44
26 09 23 00-0288 EA Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH).....	806.80	14.44
<b>26 09 23 00-0289 Dimmable Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0284)</b>		
26 09 23 00-0290 EA One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH) .....	489.98	14.44
26 09 23 00-0291 EA Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH).....	583.16	14.44
26 09 23 00-0292 EA Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH).....	806.80	14.44
26 09 23 00-0293 EA One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH).....	489.98	14.44
26 09 23 00-0294 EA Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH).....	639.07	14.44
26 09 23 00-0295 EA Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH).....	806.80	14.44
<b>26 09 23 00-0296 Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0284)</b>		
26 09 23 00-0297 EA One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH) .....	639.07	14.44
26 09 23 00-0298 EA Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH).....	806.80	14.44
26 09 23 00-0299 EA One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH).....	806.80	14.44
<b>26 09 23 00-0300 Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter (26 09 23 00-0284)</b>		
26 09 23 00-0301 EA One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B- WH) .....	489.98	14.44
26 09 23 00-0302 EA Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3- B-WH).....	639.07	14.44
26 09 23 00-0303 EA One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH).....	583.16	14.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0304 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH).....	713.62	14.44
26 09 23 00-0305 EA One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH).....	639.07	14.44
26 09 23 00-0306 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH).....	769.53	14.44
26 09 23 00-0307 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH).....	639.07	14.44
<b>26 09 23 00-0308 Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter</b> <small>(26 09 23 00-0284)</small>		
26 09 23 00-0309 EA One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH).....	489.98	14.44
26 09 23 00-0310 EA Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH).....	639.07	14.44
26 09 23 00-0311 EA One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH).....	639.07	14.44
26 09 23 00-0312 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH).....	806.80	14.44
26 09 23 00-0313 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH).....	639.07	14.44
26 09 23 00-0314 EA One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH).....	806.80	14.44
<b>26 09 23 00-0315 Output Switch Closure Controls, Tabletop Wireless Transmitter</b> <small>(26 09 23 00-0284)</small>		
26 09 23 00-0316 EA Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH).....	489.98	14.44
26 09 23 00-0317 EA Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH).....	639.07	14.44
26 09 23 00-0318 EA Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH).....	806.80	14.44
<b>26 09 23 00-0319 Accessories For Tabletop Wireless Transmitter</b> <small>(26 09 23 00-0284)</small>		
26 09 23 00-0320 EA Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH).....	98.61	14.44
<b>26 09 23 00-0321 Wall Box Transmitters For Radio Controlled Devices</b> <small>(26 09 23 00-0283)</small>		
26 09 23 00-0322 EA On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH).....	452.71	14.44
26 09 23 00-0323 EA Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH).....	489.98	14.44
26 09 23 00-0324 EA Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH).....	489.98	14.44
26 09 23 00-0325 EA Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH).....	489.98	14.44
26 09 23 00-0326 EA Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH).....	489.98	14.44
26 09 23 00-0327 EA Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH).....	489.98	14.44
<b>26 09 23 00-0328 Interfaces For Radio Controlled Devices</b> <small>(26 09 23 00-0283)</small>		
26 09 23 00-0329 EA Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	452.71	14.44
26 09 23 00-0330 EA Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	452.71	14.44
26 09 23 00-0331 EA Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000).....	452.71	14.44
26 09 23 00-0332 EA Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8).....	926.08	14.44
26 09 23 00-0333 EA RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232).....	1,328.63	14.44
26 09 23 00-0334 EA Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI).....	1,328.63	14.44
<b>26 09 23 00-0335 Fluorescent Controllers For Radio Controlled Devices</b> <small>(26 09 23 00-0283)</small>		
26 09 23 00-0336 EA On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW).....	583.16	14.44
26 09 23 00-0337 EA Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F).....	657.71	14.44
26 09 23 00-0338 EA Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC).....	769.53	14.44
<b>26 09 23 00-0339 AC Motor Group Controllers For Radio Controlled Devices</b> <small>(26 09 23 00-0283)</small>		
26 09 23 00-0340 EA Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC).....	862.71	14.44
26 09 23 00-0341 EA Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC).....	1,188.86	14.44
<b>26 09 23 00-0342 RF Wireless Technology, Switches And Dimmers (Lutron® Maestro Wireless®)</b> <small>(26 09 23)</small>		
<b>26 09 23 00-0343 RF Wireless Technology, Switches (Lutron® Maestro Wireless®)</b> <small>(26 09 23 00-0342)</small>		
26 09 23 00-0344 EA 6 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Electronic Switch (Lutron® Maestro Wireless® MRF2-6ANS).....	124.28	19.24
26 09 23 00-0345 EA 8 Amperes Lighting, 5.8 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8ANS-120).....	148.00	19.24
26 09 23 00-0346 EA 8 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8S-DV).....	236.44	19.24
26 09 23 00-0347 EA 120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS).....	84.69	19.24

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0348 EA 277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277) .....	105.42	19.24
26 09 23 00-0349 EA 120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS) .....	93.39	19.24
26 09 23 00-0350 EA 277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS-277) .....	114.54	19.24
<b>26 09 23 00-0351 RF Wireless Technology, Dimmers (Lutron® Maestro Wireless®)</b> <small>(26 09 23 00-0342)</small>		
26 09 23 00-0352 EA 600 Watt, 120 Volt, RF Wireless Technology, Incandescent Dimmer (Lutron® Maestro Wireless® MRF2-600M) .....	118.80	19.24
26 09 23 00-0353 EA 600 Watt, 120 Volt, RF Wireless Technology, Magnetic Low Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6MLV) .....	129.75	19.24
26 09 23 00-0354 EA 600 Watt, 120 Volt, RF Wireless Technology, Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-6ND-120) .....	157.13	19.24
26 09 23 00-0355 EA 1,000 Watt, 120 Volt, RF Wireless Technology, Spec Grade Dimmer (Lutron® Maestro Wireless® MRF2-10D-120) .....	166.75	24.06
26 09 23 00-0356 EA 600 Watt, 120 Volt, RF Wireless Technology, Electronic Low-Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6ELV-120) .....	210.97	19.24
26 09 23 00-0357 EA 120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R) .....	63.59	19.24
26 09 23 00-0358 EA 277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R-277) .....	78.65	19.24
26 09 23 00-0359 EA 120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD) .....	69.08	19.24
26 09 23 00-0360 EA 277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD-277) .....	84.13	19.24
26 09 23 00-0361 EA 6 Amperes, 120/277 Volt, RF Wireless Technology, 3-Wire Fluorescent Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-F6AN-DV) .....	231.63	33.68
<b>26 09 23 00-0362 Removal And Reinstallation Of Occupancy Sensors</b> <small>(26 09 23)</small>		
26 09 23 00-0363 EA Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor .....	64.96	
Note: Includes storing and cleaning.		
26 09 23 00-0364 EA Removal And Reinstallation Of Wall Mounted Occupancy Sensor .....	43.31	
Note: Includes storing and cleaning.		
<b>26 09 23 00-0365 Occupancy Sensors (Watt Stopper)</b> <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
<b>26 09 23 00-0366 Occupancy Sensors</b> <small>(26 09 23 00-0365)</small>		
Note: Exclude boxes.		
<b>26 09 23 00-0367 Wall Switch Mounted Occupancy Sensors</b> <small>(26 09 23 00-0366)</small>		
<b>26 09 23 00-0368 Ultrasonic, Wall Switch Mounted Occupancy Sensors</b> <small>(26 09 23 00-0367)</small>		
26 09 23 00-0369 EA Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100) .....	107.85	9.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.77	
26 09 23 00-0370 EA Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200) .....	127.47	9.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.77	
<b>26 09 23 00-0371 Passive Infrared, Wall Switch Mounted Occupancy Sensors</b> <small>(26 09 23 00-0367)</small>		
26 09 23 00-0372 EA Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100) .....	88.88	9.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.77	
26 09 23 00-0373 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS) .....	82.93	9.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.77	
26 09 23 00-0374 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100) .....	94.03	9.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.77	
26 09 23 00-0375 EA Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200) .....	109.03	9.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.77	
26 09 23 00-0376 EA Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD) .....	107.80	9.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.77	
<b>26 09 23 00-0377 Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors</b> <small>(26 09 23 00-0367)</small>		
26 09 23 00-0378 EA Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100) .....	157.35	9.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.77	
26 09 23 00-0379 EA Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200) .....	169.76	9.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.77	
<b>26 09 23 00-0380 Wall Switch Mounted Occupancy Sensor Accessories</b> <small>(26 09 23 00-0367)</small>		
26 09 23 00-0381 EA Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP) .....	5.99	2.40
26 09 23 00-0382 EA One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP) .....	6.98	2.40
26 09 23 00-0383 EA Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP) .....	6.98	2.40
<b>26 09 23 00-0384 Ceiling Mounted Occupancy Sensors</b> <small>(26 09 23 00-0366)</small>		
<b>26 09 23 00-0385 Ultrasonic, Ceiling Mounted Occupancy Sensors</b> <small>(26 09 23 00-0384)</small>		
<b>26 09 23 00-0386 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors</b> <small>(26 09 23 00-0385)</small>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0387 EA 500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A).....	141.53	21.65
26 09 23 00-0388 EA 1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A).....	162.88	21.65
26 09 23 00-0389 EA 2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A).....	184.38	21.65
26 09 23 00-0390 EA 90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H).....	182.43	21.65
<b>26 09 23 00-0391 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors</b> <small>(26 09 23 00-0385)</small>		
26 09 23 00-0392 EA 600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605).....	154.16	21.65
26 09 23 00-0393 EA 1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105).....	175.81	21.65
26 09 23 00-0394 EA 2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205).....	196.31	21.65
26 09 23 00-0395 EA 90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255).....	199.78	21.65
26 09 23 00-0396 EA 600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600).....	167.10	21.65
26 09 23 00-0397 EA 1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100).....	189.29	21.65
26 09 23 00-0398 EA 2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200).....	211.39	21.65
26 09 23 00-0399 EA 90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250).....	217.75	21.65
<b>26 09 23 00-0400 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors</b> <small>(26 09 23 00-0385)</small>		
26 09 23 00-0401 EA 500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1).....	160.42	21.65
26 09 23 00-0402 EA 1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2).....	186.28	21.65
26 09 23 00-0403 EA 2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3).....	207.93	21.65
26 09 23 00-0404 EA 500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1).....	150.89	21.65
26 09 23 00-0405 EA 1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2).....	183.49	21.65
26 09 23 00-0406 EA 2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3).....	194.04	21.65
26 09 23 00-0407 EA 500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1).....	161.76	21.65
26 09 23 00-0408 EA 1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2).....	180.53	21.65
26 09 23 00-0409 EA 2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3).....	203.70	21.65
<b>26 09 23 00-0410 Passive Infrared, Ceiling Mounted Occupancy Sensors</b> <small>(26 09 23 00-0384)</small>		
26 09 23 00-0411 EA 30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR).....	116.62	21.65
26 09 23 00-0412 EA HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24).....	119.14	21.65
26 09 23 00-0413 EA Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205).....	125.11	21.65
26 09 23 00-0414 EA Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355).....	141.13	21.65
26 09 23 00-0415 EA Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305).....	143.07	21.65
26 09 23 00-0416 EA Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200).....	151.45	21.65
26 09 23 00-0417 EA Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300).....	164.87	21.65
<b>26 09 23 00-0418 Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors</b> <small>(26 09 23 00-0384)</small>		
26 09 23 00-0419 EA 1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355).....	196.13	21.65
26 09 23 00-0420 EA 1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300).....	224.51	21.65
26 09 23 00-0421 EA 1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305).....	190.11	21.65
<b>26 09 23 00-0422 Ceiling/Wall Mounted Occupancy Sensors</b> <small>(26 09 23 00-0366)</small>		
<b>26 09 23 00-0423 Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors</b> <small>(26 09 23 00-0422)</small>		
26 09 23 00-0424 EA 120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3).....	241.51	21.65
26 09 23 00-0425 EA 2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100).....	241.51	21.65
<b>26 09 23 00-0426 Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors</b> <small>(26 09 23 00-0422)</small>		
26 09 23 00-0427 EA 2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200).....	224.51	21.65
<b>26 09 23 00-0428 Occupancy Sensor Power Packs</b> <small>(26 09 23 00-0365)</small>		

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 09 23 00-0429 Single Voltage, Occupancy Sensor Power Packs</b> <small>(26 09 23 00-0428)</small>		
26 09 23 00-0430 EA 220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	78.18	19.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 09 23 00-0431 EA 347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P).....	70.97	19.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
<b>26 09 23 00-0432 Auxiliary, Occupancy Sensor Power Packs</b> <small>(26 09 23 00-0428)</small>		
26 09 23 00-0433 EA 120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P).....	65.03	19.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
<b>26 09 23 00-0434 Universal Voltage, Power Packs For Occupancy Sensors</b> <small>(26 09 23 00-0428)</small>		
26 09 23 00-0435 EA 120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100).....	86.77	19.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
<b>26 09 23 00-0436 Form C, Occupancy Sensor Power Packs</b> <small>(26 09 23 00-0428)</small>		
26 09 23 00-0437 EA 120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P).....	78.51	19.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 09 23 00-0438 EA 277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P).....	78.57	19.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
<b>26 09 23 00-0439 Two Relay, Occupancy Sensor Power Packs</b> <small>(26 09 23 00-0428)</small>		
26 09 23 00-0440 EA 120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P).....	99.40	19.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 09 23 00-0441 EA 277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P).....	100.83	19.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
<b>26 09 23 00-0442 Occupancy Sensor Power Supplies</b> <small>(26 09 23 00-0428)</small>		
26 09 23 00-0443 EA 120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150).....	97.60	19.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 09 23 00-0444 EA 277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277).....	205.03	19.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
<b>26 09 23 00-0445 Intelligent, Occupancy Sensor Power Packs</b> <small>(26 09 23 00-0428)</small>		
26 09 23 00-0446 EA 120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100).....	272.02	19.24
<b>26 09 23 00-0447 DIN Rail Mounted, Occupancy Sensor Power Packs</b> <small>(26 09 23 00-0428)</small>		
26 09 23 00-0448 EA 120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100).....	85.95	19.24
<b>26 09 23 00-0449 Occupancy Sensor Accessories</b> <small>(26 09 23 00-0365)</small>		
<b>26 09 23 00-0450 Protective Cages For Occupancy Sensors</b> <small>(26 09 23 00-0449)</small>		
26 09 23 00-0451 EA Protective Cage For Occupancy Sensors (Watt Stopper WC).....	49.83	7.21
<b>26 09 23 00-0452 Mounting Brackets For Occupancy Sensors</b> <small>(26 09 23 00-0449)</small>		
26 09 23 00-0453 EA Mounting Bracket For Occupancy Sensor (Watt Stopper MB).....	38.19	12.03
<i>Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.</i>		
<b>26 09 23 00-0454 Occupancy/Lighting Logger</b> <small>(26 09 23 00-0449)</small>		
<i>Note: Logs when a space is occupied/vacant and when lighting is on/off.</i>		
26 09 23 00-0455 EA Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200).....	371.46	40.90
<b>26 09 23 00-0456 Digital Time Light Switches</b> <small>(26 09 23 00-0365)</small>		
26 09 23 00-0457 EA Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400).....	80.12	9.63
<b>26 09 23 00-0458 Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23)</small>		
<i>Note: Includes testing of new devices and certification.</i>		
<b>26 09 23 00-0459 Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0458)</small>		
<i>Note: Exclude boxes</i>		
<b>26 09 23 00-0460 Wall Switch Mount Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0459)</small>		
<b>26 09 23 00-0461 Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0460)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0462 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV).....	205.61	9.63
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Low Voltage Relay Option, Add</i>	16.94	
26 09 23 00-0463 EA Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL) .....	143.48	9.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.77	
26 09 23 00-0464 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD) .....	136.65	9.63
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.77	
26 09 23 00-0465 EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA).....	136.65	9.63
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.77	
26 09 23 00-0466 EA 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P) .....	174.55	9.63
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.77	
26 09 23 00-0467 EA Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS).....	174.55	9.63
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
26 09 23 00-0468 EA 2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P).....	213.39	9.63
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
26 09 23 00-0469 EA Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD) .....	174.55	9.63
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<b>26 09 23 00-0470 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch)</b>		
<small>(26 09 23 00-0460)</small>		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0471 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	267.73	9.63
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Low Voltage Relay Option, Add</i>	16.94	
26 09 23 00-0472 EA Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL) .....	205.61	9.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.77	
26 09 23 00-0473 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT) .....	200.96	9.63
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.77	
26 09 23 00-0474 EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA) .....	200.96	9.63
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.77	
26 09 23 00-0475 EA 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P) .....	236.67	9.63
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.77	
26 09 23 00-0476 EA Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT).....	236.67	9.63
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
26 09 23 00-0477 EA 2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P).....	255.31	9.63
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<b>26 09 23 00-0478 Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch)</b>		
<small>(26 09 23 00-0460)</small>		
26 09 23 00-0479 EA One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX) .....	17.23	2.40
26 09 23 00-0480 EA One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX) .....	17.23	2.40
26 09 23 00-0481 EA Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3) .....	35.87	2.40
26 09 23 00-0482 EA Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3).....	35.87	2.40
<b>26 09 23 00-0483 360 Degree View Occupancy Sensors (Sensor Switch)</b>		
<small>(26 09 23 00-0459)</small>		
<b>26 09 23 00-0484 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch)</b>		
<small>(26 09 23 00-0483)</small>		
Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0485 EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9) .....	229.68	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Low Voltage Relay Option, Add</i>	16.94	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
<i>For Photocell Option With Dimming Capability, Add</i>	42.36	

## 26 Electrical

## 26 09 Instrumentation and Control for Electrical Systems

## 26 09 23 Lighting Control Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0486	EA		Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9) .....	229.68	21.65
			<i>For Low Temp/High Humidity Option, Add</i> .....	14.12	
			<i>For Low Voltage Relay Option, Add</i> .....	16.94	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i> .....	16.94	
			<i>For Occupancy Controlled Dimming Option, Add</i> .....	28.24	
			<i>For Photocell Option With Dimming Capability, Add</i> .....	42.36	
26 09 23 00-0487	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9) .....	229.68	21.65
			<i>For Low Temp/High Humidity Option, Add</i> .....	14.12	
			<i>For Low Voltage Relay Option, Add</i> .....	16.94	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i> .....	16.94	
			<i>For Occupancy Controlled Dimming Option, Add</i> .....	28.24	
			<i>For Photocell Option With Dimming Capability, Add</i> .....	42.36	
26 09 23 00-0488	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9) .....	245.21	21.65
			<i>For Low Temp/High Humidity Option, Add</i> .....	14.12	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i> .....	16.94	
			<i>For Occupancy Controlled Dimming Option, Add</i> .....	28.24	
			<i>For Photocell Option With Dimming Capability, Add</i> .....	42.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	12.99	
26 09 23 00-0489	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9) .....	245.21	21.65
			<i>For Low Temp/High Humidity Option, Add</i> .....	14.12	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i> .....	16.94	
			<i>For Occupancy Controlled Dimming Option, Add</i> .....	28.24	
			<i>For Photocell Option With Dimming Capability, Add</i> .....	42.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	12.99	
26 09 23 00-0490	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9) .....	195.51	21.65
			<i>For Low Temp/High Humidity Option, Add</i> .....	14.12	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i> .....	16.94	
			<i>For Occupancy Controlled Dimming Option, Add</i> .....	28.24	
			<i>For Photocell Option With Dimming Capability, Add</i> .....	42.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	12.99	
26 09 23 00-0491	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P) .....	307.33	21.65
			<i>For Low Temp/High Humidity Option, Add</i> .....	14.12	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i> .....	16.94	
			<i>For Photocell Option With Dual Zone On/Off, Add</i> .....	42.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	12.99	
26 09 23 00-0492	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P) .....	307.33	21.65
			<i>For Low Temp/High Humidity Option, Add</i> .....	14.12	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i> .....	16.94	
			<i>For Photocell Option With Dual Zone On/Off, Add</i> .....	42.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	12.99	
26 09 23 00-0493	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P) .....	257.63	21.65
			<i>For Low Temp/High Humidity Option, Add</i> .....	14.12	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i> .....	16.94	
			<i>For Photocell Option With Dual Zone On/Off, Add</i> .....	42.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	12.99	
26 09 23 00-0494	EA		Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10) .....	229.68	21.65
			<i>For Low Temp/High Humidity Option, Add</i> .....	14.12	
			<i>For Low Voltage Relay Option, Add</i> .....	16.94	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i> .....	16.94	
			<i>For Occupancy Controlled Dimming Option, Add</i> .....	28.24	
			<i>For Photocell Option With Dimming Capability, Add</i> .....	42.36	
26 09 23 00-0495	EA		Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10) .....	229.68	21.65
			<i>For Low Temp/High Humidity Option, Add</i> .....	14.12	
			<i>For Low Voltage Relay Option, Add</i> .....	16.94	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i> .....	16.94	
			<i>For Occupancy Controlled Dimming Option, Add</i> .....	28.24	
			<i>For Photocell Option With Dimming Capability, Add</i> .....	42.36	
26 09 23 00-0496	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10) .....	229.68	21.65
			<i>For Low Temp/High Humidity Option, Add</i> .....	14.12	
			<i>For Low Voltage Relay Option, Add</i> .....	16.94	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i> .....	16.94	
			<i>For Occupancy Controlled Dimming Option, Add</i> .....	28.24	
			<i>For Photocell Option With Dimming Capability, Add</i> .....	42.36	
26 09 23 00-0497	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10) .....	245.21	21.65
			<i>For Low Temp/High Humidity Option, Add</i> .....	14.12	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i> .....	16.94	
			<i>For Occupancy Controlled Dimming Option, Add</i> .....	28.24	
			<i>For Photocell Option With Dimming Capability, Add</i> .....	42.36	
26 09 23 00-0498	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10) .....	245.21	21.65
			<i>For Low Temp/High Humidity Option, Add</i> .....	14.12	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i> .....	16.94	
			<i>For Occupancy Controlled Dimming Option, Add</i> .....	28.24	
			<i>For Photocell Option With Dimming Capability, Add</i> .....	42.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	12.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0499 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10) .....	195.51	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
<i>For Photocell Option With Dimming Capability, Add</i>	42.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0500 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P).....	307.33	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	42.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0501 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P).....	307.33	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	42.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0502 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P).....	257.63	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	42.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
<b>26 09 23 00-0503 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) <sup>(26)</sup></b> <small>09 23 00-0483</small> Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0504 EA Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9) .....	291.80	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Low Voltage Relay Option, Add</i>	16.94	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
<i>For Photocell Option With Dimming Capability, Add</i>	42.36	
26 09 23 00-0505 EA Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9) .....	291.80	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Low Voltage Relay Option, Add</i>	16.94	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
<i>For Photocell Option With Dimming Capability, Add</i>	42.36	
26 09 23 00-0506 EA Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9) .....	291.80	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Low Voltage Relay Option, Add</i>	16.94	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
<i>For Photocell Option With Dimming Capability, Add</i>	42.36	
26 09 23 00-0507 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9).....	276.27	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
<i>For Photocell Option With Dimming Capability, Add</i>	42.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0508 EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9).....	276.27	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
<i>For Photocell Option With Dimming Capability, Add</i>	42.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0509 EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9) .....	226.57	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
<i>For Photocell Option With Dimming Capability, Add</i>	42.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0510 EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P).....	338.39	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	42.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0511 EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P).....	338.39	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	42.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0512 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P) .....	288.69	21.65
For Low Temp/High Humidity Option, Add	14.12	
For Photozell (Inhibit Mode Only) Option, Add	16.94	
For Photozell Option With Dual Zone On/Off, Add	42.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.99	
26 09 23 00-0513 EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10) .....	291.80	21.65
For Low Temp/High Humidity Option, Add	14.12	
For Low Voltage Relay Option, Add	16.94	
For Photozell (Inhibit Mode Only) Option, Add	16.94	
For Occupancy Controlled Dimming Option, Add	28.24	
For Photozell Option With Dimming Capability, Add	42.36	
26 09 23 00-0514 EA Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10) .....	291.80	21.65
For Low Temp/High Humidity Option, Add	14.12	
For Low Voltage Relay Option, Add	16.94	
For Photozell (Inhibit Mode Only) Option, Add	16.94	
For Occupancy Controlled Dimming Option, Add	28.24	
For Photozell Option With Dimming Capability, Add	42.36	
26 09 23 00-0515 EA Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10) .....	291.80	21.65
For Low Temp/High Humidity Option, Add	14.12	
For Low Voltage Relay Option, Add	16.94	
For Photozell (Inhibit Mode Only) Option, Add	16.94	
For Occupancy Controlled Dimming Option, Add	28.24	
For Photozell Option With Dimming Capability, Add	42.36	
26 09 23 00-0516 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10) .....	276.27	21.65
For Low Temp/High Humidity Option, Add	14.12	
For Photozell (Inhibit Mode Only) Option, Add	16.94	
For Occupancy Controlled Dimming Option, Add	28.24	
For Photozell Option With Dimming Capability, Add	42.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.99	
26 09 23 00-0517 EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10) .....	276.27	21.65
For Low Temp/High Humidity Option, Add	14.12	
For Photozell (Inhibit Mode Only) Option, Add	16.94	
For Occupancy Controlled Dimming Option, Add	28.24	
For Photozell Option With Dimming Capability, Add	42.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.99	
26 09 23 00-0518 EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10) .....	226.57	21.65
For Low Temp/High Humidity Option, Add	14.12	
For Photozell (Inhibit Mode Only) Option, Add	16.94	
For Occupancy Controlled Dimming Option, Add	28.24	
For Photozell Option With Dimming Capability, Add	42.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.99	
26 09 23 00-0519 EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P) .....	338.39	21.65
For Low Temp/High Humidity Option, Add	14.12	
For Photozell (Inhibit Mode Only) Option, Add	16.94	
For Photozell Option With Dual Zone On/Off, Add	42.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.99	
26 09 23 00-0520 EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P) .....	338.39	21.65
For Low Temp/High Humidity Option, Add	14.12	
For Photozell (Inhibit Mode Only) Option, Add	16.94	
For Photozell Option With Dual Zone On/Off, Add	42.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.99	
26 09 23 00-0521 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P) .....	288.69	21.65
For Low Temp/High Humidity Option, Add	14.12	
For Photozell (Inhibit Mode Only) Option, Add	16.94	
For Photozell Option With Dual Zone On/Off, Add	42.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.99	
26 09 23 00-0522 Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0459)		
26 09 23 00-0523 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0522)		
26 09 23 00-0524 EA Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16) .....	229.68	21.65
For Low Temp/High Humidity Option, Add	14.12	
For Low Voltage Relay Option, Add	16.94	
For Photozell (Inhibit Mode Only) Option, Add	16.94	
For Ceiling Mount, Add	28.24	
26 09 23 00-0525 EA Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13) .....	260.74	21.65
For Low Temp/High Humidity Option, Add	14.12	
For Low Voltage Relay Option, Add	16.94	
For Photozell (Inhibit Mode Only) Option, Add	16.94	
For Ceiling Mount, Add	28.24	
26 09 23 00-0526 EA Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13) .....	322.86	21.65
For Low Temp/High Humidity Option, Add	14.12	
For Ceiling Mount, Add	28.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0527 EA Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16).....	307.33	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Ceiling Mount, Add</i>	28.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0528 EA 2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P).....	369.45	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Ceiling Mount, Add</i>	28.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
<b>26 09 23 00-0529 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0529)</small>		
<i>Note: Includes passive infrared and microphonics detection</i>		
26 09 23 00-0530 EA Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16).....	291.80	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Low Voltage Relay Option, Add</i>	16.94	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Ceiling Mount, Add</i>	28.24	
26 09 23 00-0531 EA Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16).....	338.39	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Ceiling Mount, Add</i>	28.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0532 EA 2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P).....	400.51	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.94	
<i>For Ceiling Mount, Add</i>	28.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
<b>26 09 23 00-0533 High Bay Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0459)</small>		
<b>26 09 23 00-0534 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0533)</small>		
26 09 23 00-0535 EA Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6).....	229.68	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Low Voltage Relay Option, Add</i>	16.94	
<i>For Photocell Option, Add</i>	28.24	
<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
26 09 23 00-0536 EA Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6).....	229.68	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Low Voltage Relay Option, Add</i>	16.94	
<i>For Photocell Option, Add</i>	28.24	
<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
26 09 23 00-0537 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6).....	229.68	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Low Voltage Relay Option, Add</i>	16.94	
<i>For Photocell Option, Add</i>	28.24	
<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
26 09 23 00-0538 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6).....	195.51	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Start To High, HID Option, Add</i>	16.94	
<i>For Photocell Option, Add</i>	28.24	
<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0539 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6).....	195.51	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Start To High, HID Option, Add</i>	16.94	
<i>For Photocell Option, Add</i>	28.24	
<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0540 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6).....	195.51	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Start To High, HID Option, Add</i>	16.94	
<i>For Photocell Option, Add</i>	28.24	
<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0541 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P).....	257.63	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell Option, Add</i>	28.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0542 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P).....	257.63	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell Option, Add</i>	28.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0543	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P) .....	257.63	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Photozell Option, Add</i>	28.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0544	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208) .....	217.25	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Photozell Option, Add</i>	28.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0545	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208) .....	217.25	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Photozell Option, Add</i>	28.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0546	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208) .....	217.25	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Photozell Option, Add</i>	28.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0547	EA		480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480) .....	217.25	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Photozell Option, Add</i>	28.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0548	EA		480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480) .....	217.25	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Photozell Option, Add</i>	28.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0549	EA		480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480) .....	217.25	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Photozell Option, Add</i>	28.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0550	EA		Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50) .....	260.74	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Low Voltage Relay Option, Add</i>	16.94	
			<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
26 09 23 00-0551	EA		Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50) .....	260.74	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Low Voltage Relay Option, Add</i>	16.94	
			<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
26 09 23 00-0552	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50) .....	260.74	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Low Voltage Relay Option, Add</i>	16.94	
			<i>For Photozell Option, Add</i>	28.24	
			<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
26 09 23 00-0553	EA		Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50) .....	319.76	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Start To High, HID Option, Add</i>	16.94	
			<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0554	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50) .....	319.76	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Start To High, HID Option, Add</i>	16.94	
			<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0555	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50) .....	319.76	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Start To High, HID Option, Add</i>	16.94	
			<i>For Photozell Option, Add</i>	28.24	
			<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0556	EA		2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P) .....	279.38	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0557	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P) .....	279.38	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Photozell Option, Add</i>	28.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0558	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208) .....	232.78	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0559 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208).....	232.78	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell Option, Add</i>	28.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0560 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480).....	232.78	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0561 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480).....	232.78	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Photocell Option, Add</i>	28.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0562 EA Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10).....	260.74	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Low Voltage Relay Option, Add</i>	16.94	
<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
26 09 23 00-0563 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10).....	260.74	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Low Voltage Relay Option, Add</i>	16.94	
<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
26 09 23 00-0564 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10).....	319.76	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Start To High, HID Option, Add</i>	16.94	
<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0565 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10).....	319.76	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Start To High, HID Option, Add</i>	16.94	
<i>For Occupancy Controlled Dimming Option, Add</i>	28.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0566 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P).....	307.33	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0567 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480).....	276.27	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0568 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208).....	276.27	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
<b>26 09 23 00-0569    Occupancy Sensor Power Packs (Sensor Switch) <small>(26 09 23 00-0458)</small></b>		
26 09 23 00-0570 EA Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20).....	125.47	19.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 09 23 00-0571 EA 2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P).....	187.59	19.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 09 23 00-0572 EA Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20).....	94.41	19.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 09 23 00-0573 EA 2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20).....	85.09	19.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 09 23 00-0574 EA 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20).....	116.15	19.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 09 23 00-0575 EA 120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH).....	193.81	19.24
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 09 23 00-0576 EA 120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR).....	193.81	19.24
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 09 23 00-0577 EA 120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM).....	193.81	19.24
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
<b>26 09 23 00-0578    Daylighting Control (Sensor Switch) <small>(26 09 23 00-0458)</small></b>		
26 09 23 00-0579 EA Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC).....	198.62	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Dual Zone Option, Add</i>	42.36	
26 09 23 00-0580 EA Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC).....	198.62	21.65
<i>For Low Temp/High Humidity Option, Add</i>	14.12	
<i>For Dual Zone Option, Add</i>	42.36	

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0581	EA		Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC).....	198.62	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Dual Zone Option, Add</i>	42.36	
26 09 23 00-0582	EA		Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC).....	198.62	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For 480 Volt AC Option, Add</i>	19.77	
			<i>For Dual Zone Option, Add</i>	42.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0583	EA		Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC).....	198.62	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For 480 Volt AC Option, Add</i>	19.77	
			<i>For Dual Zone Option, Add</i>	42.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0584	EA		Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC).....	198.62	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For 480 Volt AC Option, Add</i>	19.77	
			<i>For Dual Zone Option, Add</i>	42.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0585	EA		Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC).....	198.62	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Dual Zone Option, Add</i>	42.36	
26 09 23 00-0586	EA		Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC).....	198.62	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Dual Zone Option, Add</i>	42.36	
26 09 23 00-0587	EA		Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC).....	198.62	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Dual Zone Option, Add</i>	42.36	
26 09 23 00-0588	EA		Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC).....	198.62	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Dual Zone Option, Add</i>	42.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0589	EA		Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC).....	198.62	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Dual Zone Option, Add</i>	42.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0590	EA		Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC).....	198.62	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Dual Zone Option, Add</i>	42.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0591	EA		Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC).....	291.80	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Dual Zone Option, Add</i>	42.36	
26 09 23 00-0592	EA		Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC).....	291.80	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Dual Zone Option, Add</i>	42.36	
26 09 23 00-0593	EA		Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC).....	291.80	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Dual Zone Option, Add</i>	42.36	
26 09 23 00-0594	EA		Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC).....	291.80	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Dual Zone Option, Add</i>	42.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0595	EA		Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC).....	291.80	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Dual Zone Option, Add</i>	42.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0596	EA		Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC).....	291.80	21.65
			<i>For Low Temp/High Humidity Option, Add</i>	14.12	
			<i>For Dual Zone Option, Add</i>	42.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	
26 09 23 00-0597			<b>Occupancy Sensors (Sensor Switch nLight®)</b> <small>(26 09 23)</small>		
			Note: Includes testing of new devices and certification.		
26 09 23 00-0598			<b>Occupancy Sensors (Sensor Switch nLight®)</b> <small>(26 09 23 00-0597)</small>		
			Note: Excludes boxes.		
26 09 23 00-0599			<b>Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®)</b> <small>(26 09 23 00-0598)</small>		
26 09 23 00-0600			<b>Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®)</b> <small>(26 09 23 00-0599)</small>		
			Note: Includes passive infrared and microphonics detection		
26 09 23 00-0601	EA		Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX).....	322.50	9.63
26 09 23 00-0602			<b>360 Degree View Occupancy Sensors (Sensor Switch nLight®)</b> <small>(26 09 23 00-0598)</small>		
26 09 23 00-0603			<b>Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®)</b> <small>(26 09 23 00-0602)</small>		
			Note: One photocell or dimming option per occupancy sensor		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0604 EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9).....	376.55	21.65
26 09 23 00-0605 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10).....	376.55	21.65
26 09 23 00-0606 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC) .....	376.55	21.65
<b>26 09 23 00-0607 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®)</b> <small>(26 09 23 00-0602)</small> Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0608 EA Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	443.20	21.65
26 09 23 00-0609 EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	443.20	21.65
26 09 23 00-0610 EA 2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	459.84	21.65
<b>26 09 23 00-0611 Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®)</b> <small>(26 09 23 00-0598)</small>		
<b>26 09 23 00-0612 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®)</b> <small>(26 09 23 00-0611)</small> Note: Includes passive infrared and microphonics detection		
26 09 23 00-0613 EA Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16) .....	443.20	21.65
<b>26 09 23 00-0614 High Bay Occupancy Sensors (Sensor Switch nLight®)</b> <small>(26 09 23 00-0598)</small>		
<b>26 09 23 00-0615 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®)</b> <small>(26 09 23 00-0614)</small>		
26 09 23 00-0616 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6) .....	376.55	21.65
<b>26 09 23 00-0617 Occupancy Sensor Power Packs (Sensor Switch nLight®)</b> <small>(26 09 23 00-0597)</small>		
26 09 23 00-0618 EA 150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	121.81	19.24
26 09 23 00-0619 EA 250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	155.16	19.24
26 09 23 00-0620 EA 30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO).....	211.79	19.24
26 09 23 00-0621 EA System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16) .....	211.79	19.24
<b>26 09 23 00-0622 Occupancy Sensor Accessories (Sensor Switch nLight®)</b> <small>(26 09 23 00-0597)</small>		
26 09 23 00-0623 EA RS232 AV Integrator (Sensor Switch nLight® nIO X).....	459.84	21.65
26 09 23 00-0624 EA 8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT) .....	368.01	21.65
<b>26 09 23 00-0625 Daylighting Controls (Sensor Switch nLight®)</b> <small>(26 09 23 00-0597)</small>		
26 09 23 00-0626 EA Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC) .....	309.91	21.65
<b>26 09 23 00-0627 Controls (Sensor Switch nLight®)</b> <small>(26 09 23 00-0597)</small>		
26 09 23 00-0628 EA On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	199.94	21.65
26 09 23 00-0629 EA 1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB).....	293.27	21.65
26 09 23 00-0630 EA On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM).....	693.14	21.65
26 09 23 00-0631 EA 3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX) .....	693.14	21.65
26 09 23 00-0632 EA 3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	2,625.95	21.65
<b>26 09 23 00-0633 Occupancy Sensors (Lutron)</b> <small>(26 09 23)</small> Note: Includes testing of new devices and certification.		
<b>26 09 23 00-0634 Wireless Occupancy Sensors</b> <small>(26 09 23 00-0633)</small>		
26 09 23 00-0635 EA Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH) .....	145.85	21.65
26 09 23 00-0636 EA Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH) .....	152.74	21.65
26 09 23 00-0637 EA Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH) .....	147.48	21.65
26 09 23 00-0638 EA Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH) .....	156.59	21.65
26 09 23 00-0639 EA Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH) .....	149.52	21.65
26 09 23 00-0640 EA Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH).....	156.59	21.65
26 09 23 00-0641 EA Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH) .....	145.85	21.65
26 09 23 00-0642 EA Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH).....	149.52	21.65
26 09 23 00-0643 EA Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V).....	147.48	21.65
26 09 23 00-0644 EA Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH) .....	233.29	21.65



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0645	EA		Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH).....	249.63	21.65
26 09 23 00-0646	EA		Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH).....	286.40	21.65
26 09 23 00-0647	EA		Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH).....	302.75	21.65
26 09 23 00-0648	EA		Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH).....	310.92	21.65
26 09 23 00-0649	EA		Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH).....	327.26	21.65
26 09 23 00-0650	EA		Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH).....	181.80	21.65
26 09 23 00-0651	EA		Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH).....	192.43	21.65
26 09 23 00-0652	EA		Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH).....	227.16	21.65
26 09 23 00-0653	EA		Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH).....	253.72	21.65
26 09 23 00-0654	EA		Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH).....	274.15	21.65
26 09 23 00-0655	EA		Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH).....	235.33	21.65
26 09 23 00-0656	EA		Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH).....	215.49	21.65
26 09 23 00-0657	EA		Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH).....	178.56	21.65
26 09 23 00-0658	EA		Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH).....	222.10	21.65
26 09 23 00-0659	EA		Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C).....	271.82	21.65
26 09 23 00-0660	EA		Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H).....	289.13	21.65
26 09 23 00-0661	EA		Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K).....	289.13	21.65
26 09 23 00-0662	EA		Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W).....	289.13	21.65
26 09 23 00-0663	EA		Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V).....	304.98	21.65
26 09 23 00-0664	EA		Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W).....	496.51	31.28
<b>26 09 23 00-0665 Nodes And Modules (26 09 23 00-0633)</b>					
26 09 23 00-0666	EA		0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C).....	243.50	21.65
26 09 23 00-0667	EA		0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J).....	243.50	21.65
26 09 23 00-0668	EA		4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C).....	310.92	21.65
26 09 23 00-0669	EA		4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J).....	310.92	21.65
26 09 23 00-0670	EA		120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH).....	399.49	24.06
26 09 23 00-0671	EA		120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH).....	399.49	24.06
26 09 23 00-0672	EA		120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH).....	487.34	24.06
26 09 23 00-0673	EA		120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH).....	499.60	24.06
26 09 23 00-0674	EA		120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH).....	620.14	24.06
26 09 23 00-0675	EA		120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH).....	658.95	24.06
26 09 23 00-0676	EA		120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH).....	697.77	24.06
26 09 23 00-0677	EA		1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2).....	1,900.35	38.50
26 09 23 00-0678	EA		2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4).....	1,864.02	43.31
26 09 23 00-0679	EA		3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6).....	2,741.91	48.12
<b>26 09 23 00-0680 Other Accessories (26 09 23 00-0633)</b>					
26 09 23 00-0681	EA		Pico® Wireless Control Wallplate Adapter (Lutron® PJ).....	34.44	
26 09 23 00-0682	EA		Pico® Wireless Control (Lutron® PJ).....	51.31	
26 09 23 00-0683	EA		4-Scene Wireless Remote Control (Lutron® GRX-IT-WH).....	152.62	
26 09 23 00-0684	EA		8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH).....	293.58	
26 09 23 00-0685	EA		4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL).....	299.13	21.65
26 09 23 00-0686	EA		seeTouch® QS Wallstation (Lutron® QSWS2).....	381.93	21.65
26 09 23 00-0687	EA		seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2).....	381.93	21.65
26 09 23 00-0688	EA		120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S).....	632.39	24.06
26 09 23 00-0689	EA		120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S).....	871.42	24.06
26 09 23 00-0690	EA		Control Interface (Lutron® QSE-CI-NWK-E).....	1,052.52	21.65
26 09 23 00-0691	EA		1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S).....	1,044.37	21.65
26 09 23 00-0692	EA		2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S).....	1,401.89	21.65
26 09 23 00-0693	MLF		5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S).....	1,957.45	672.29
26 09 23 00-0694	MLF		5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S).....	2,774.64	672.29
<b>26 09 23 00-0695 Wired Occupancy Sensors (26 09 23 00-0633)</b>					
26 09 23 00-0696	EA		120 Volt, Dimmer With Occupancy Sensor (Lutron® MS-OP600M).....	113.55	24.06
26 09 23 00-0697	EA		120 Volt, Eco-dim Dimmer With Occupancy Sensor (Lutron® MS-OP600GHW).....	119.89	24.06
26 09 23 00-0698	EA		120 Volt, Dimmer With Vacancy Sensor (Lutron® MS-VP600M).....	113.55	24.06
26 09 23 00-0699	EA		120 Volt, Eco-dim Dimmer With Vacancy Sensor (Lutron® MS-VP600GHW).....	119.89	24.06
26 09 23 00-0700	EA		120 Volt, Occupancy Sensor Switch (Lutron® MS-OPS2).....	83.14	24.06
26 09 23 00-0701	EA		120 Volt, 3-Way Occupancy Sensor Switch (Lutron® MS-OPS5M).....	101.03	24.06
26 09 23 00-0702	EA		120 Volt, 3-Way Occupancy Sensor With Dual Voltage Switch (Lutron® MS-OPS6M2-DV).....	146.75	24.06
26 09 23 00-0703	EA		120 Volt, 3-Way Occupancy Sensor With Dual Voltage Switch (Lutron® MS-OPS6M2N-DV).....	127.91	24.06
26 09 23 00-0704	EA		120 Volt, Vacancy Sensor Switch (Lutron® MS-VPS2).....	80.73	24.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0705 EA 120 Volt, 3-Way Vacancy Sensor Switch (Lutron® MS-VPS5M).....	101.03	24.06
26 09 23 00-0706 EA 120 Volt, 3-Way Vacancy Sensor With Dual Voltage Switch (Lutron® MS-VPS6M2-DV).....	139.71	24.06
26 09 23 00-0707 EA 120 Volt, 3-Way Vacancy Sensor With Dual Voltage Switch (Lutron® MS-VPS6M2N-DV).....	115.79	24.06
<b>26 09 23 00-0708 Fixture Mounted Occupancy Sensors (Leviton) <small>(26 09 23)</small></b>		
<i>Note: Includes testing of new devices and certification.</i>		
26 09 23 00-0709 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW).....	139.31	21.65
26 09 23 00-0710 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W).....	120.51	21.65
26 09 23 00-0711 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW).....	154.84	21.65
26 09 23 00-0712 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W).....	120.51	21.65
26 09 23 00-0713 EA 120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT).....	213.98	9.61
<b>26 09 23 00-0714 Wireless Enabled Communication Devices For Streetlights <small>(26 09 23)</small></b>		
<i>Note: Includes testing of new devices and certification.</i>		
<b>26 09 23 00-0715 Wireless Enabled Communication Nodes For Streetlights (Roam®) <small>(26 09 23 00-0714)</small></b>		
26 09 23 00-0716 EA 120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1).....	327.82	
26 09 23 00-0717 EA 480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1).....	461.12	
<b>26 09 23 00-0718 Wireless Enabled Communication Devices For Streetlights (Roam®) <small>(26 09 23 00-0714)</small></b>		
26 09 23 00-0719 EA Retrofit Receptacle Kit (Roam® DUR103).....	51.24	
<i>Note: For adapting light fixtures for use with a NEMA locking type photocontrol.</i>		
26 09 23 00-0720 EA Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127).....	13,441.29	55.76
<b>26 09 23 00-0721 Counter Mounted Consolets <small>(26 09 23)</small></b>		
26 09 23 00-0722 EA 20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24).....	596.23	120.05
<b>26 09 23 00-0723 Lighting Console And Stations <small>(26 09 23)</small></b>		
26 09 23 00-0724 EA 80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40).....	4,696.04	120.05
<i>For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add</i>		103.04
<i>For Lighting Console Case (ETC ColorSourcePart 11866), Add</i>		1,098.66
26 09 23 00-0725 EA 10 Preset, Lighting Control Station (Doug Fleenor PRE10-A2).....	3,249.16	72.03
<b>26 09 23 00-0726 Theatre Lighting Console <small>(26 09 23)</small></b>		
26 09 23 00-0727 EA Theatre Lighting Console (ETC Colorsouce 20).....	3,342.57	144.06
<b>26 09 23 00-0728 Outdoor Lighting Controls <small>(26 09 23)</small></b>		
26 09 23 00-0729 EA 1 Channel 365 Day Outdoor Lighting Control Tork #DZS-100.....	821.75	96.04
26 09 23 00-0730 EA 2 Channel 365 Day Outdoor Lighting Control Tork #DZS-200.....	982.89	96.04
26 09 23 00-0731 EA Astro 365 Day Outdoor Lighting Control Tork #DZS-400A.....	1,734.05	96.04
26 09 23 00-0732 EA 4 Circuit, 120 Volt, 10 Amperes, Timer Tork #K400Z.....	2,266.26	48.02
26 09 23 00-0733 EA 6 Circuit, 120 Volt, 10 Amperes, Timer (Tork #K600Z).....	3,098.87	48.02
26 09 23 00-0734 EA 8 Circuit, 120 Volt, 10 Amperes, Timer (Tork #K800Z).....	3,628.07	48.02
26 09 23 00-0735 EA SPST, 120 Volt Photoelectric Control Tork #2101.....	80.47	24.97
26 09 23 00-0736 EA SPST, 208/277 Volt Photoelectric Control Tork #2104.....	88.61	24.97
26 09 23 00-0737 EA SPST, 120 Volt Photoelectric Control Tork #2105.....	109.69	24.97
26 09 23 00-0738 EA 120-277 Volt, 2,000 Watt Photoelectric Control Tork #2107.....	102.39	24.97
<b>26 09 23 00-0739 Emergency Lighting Controls <small>(26 09 23)</small></b>		
<b>26 09 23 00-0740 Emergency Lighting Control Units (Watt Stopper ELCU) <small>(26 09 23 00-0739)</small></b>		
<i>Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.</i>		
26 09 23 00-0741 EA DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100).....	184.85	24.06
26 09 23 00-0742 EA 1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200).....	184.85	24.06
<b>26 09 23 00-0743 Emergency Shunt Relays (Lighting Control &amp; Design GR 2001™) <small>(26 09 23 00-0739)</small></b>		
<i>Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.</i>		
26 09 23 00-0744 EA 1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	368.41	33.68
26 09 23 00-0745 EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	506.90	38.50
26 09 23 00-0746 EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual).....	688.67	43.31
<i>Note: Controls normal and emergency lighting from single-pole wall switch.</i>		

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT UNIT COST  
DEMOLITION UNIT COST

<b>26 09 23 00-0747</b>	<b>Photocells</b> <small>(26 09 23)</small>		
26 09 23 00-0748	EA Plug-In Photocell For Lighting Fixtures (Intermac® LC2000).....	81.80	
26 09 23 00-0749	EA Wired Photocell For Lighting Fixtures (Intermac® K4021C).....	175.04	
<b>26 09 23 00-0750</b>	<b>Outdoor Lighting Motion Sensors</b> <small>(26 09 23)</small>		
26 09 23 00-0751	EA 70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000).....	112.80	24.06
26 09 23 00-0752	EA 70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000).....	124.52	24.06
26 09 23 00-0753	EA 30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR).....	559.88	24.06
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
<b>26 09 23 00-0754</b>	<b>Street Light Controls</b> <small>(26 09 23)</small>		
<b>26 09 23 00-0755</b>	<b>Photo Controls</b> <small>(26 09 23 00-0754)</small>		
26 09 23 00-0756	EA Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014.....	85.96	
26 09 23 00-0757	EA Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016.....	100.36	
<b>26 09 23 00-0758</b>	<b>Connector Node</b> <small>(26 09 23 00-0754)</small>		
26 09 23 00-0759	EA Outdoor Lighting Connector Node (Philips City Touch LLC7260).....	509.77	2.93

**26 10 Medium-Voltage Electrical Distribution** (26)**26 11 Substations** (26 10)**26 11 13 Primary Unit Substations** (26 11)**26 11 13 00-0001 "Switchyard" Substation Primary Incoming Section** (26 11 13)**26 11 13 00-0002 Outdoor Oil Circuit Breakers "Switchyard"** (26 11 13 00-0001)

Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment

26 11 13 00-0003	EA 14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	55,294.63	1,686.26
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,029.11	
26 11 13 00-0004	EA 23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	67,821.69	2,132.63
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,286.39	
26 11 13 00-0005	EA 34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	76,897.93	2,132.63
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,286.39	
26 11 13 00-0006	EA 46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	88,464.86	2,132.63
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,372.15	
26 11 13 00-0007	EA 69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	100,354.01	2,628.58
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,583.26	

**26 11 13 00-0008 Accessories For Outdoor Oil Circuit Breakers** (26 11 13 00-0001)

26 11 13 00-0009	EA Reclosure Relay, Adjustable, 3 Shot, #179.....	1,481.85	175.46
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.89	
26 11 13 00-0010	EA Overcurrent Relay, 1 Phase, #51/51N.....	453.71	127.21
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.29	
26 11 13 00-0011	EA Directional Overcurrent Relay, Three-Phase, Device No. 67.....	687.42	127.21
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.34	
26 11 13 00-0012	EA Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase.....	543.24	127.21
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.29	
26 11 13 00-0013	EA Differential Relay Package, Complete, Device No. 87.....	2,032.07	429.88
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	259.57	

**26 11 13 00-0014 "Switchyard", Substation Transformer Section** (26 11 13)

Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range

**26 11 13 00-0015 14.4 KV Nominal Primary** (26 11 13 00-0014)

26 11 13 00-0016	EA 1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	31,681.33	1,686.26
	<i>For 50 Hz Operation, Add</i>	3,390.11	
	<i>For Forced Air Cooling, Add</i>	3,390.11	
	<i>For External Control Panel, Add</i>	847.53	
	<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	282.51	
	<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	1,412.55	
	<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	3,531.37	
	<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	4,237.64	
26 11 13 00-0017	EA 2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	36,182.11	2,112.78
	<i>For 50 Hz Operation, Add</i>	3,827.30	
	<i>For Forced Air Cooling, Add</i>	3,827.30	
	<i>For External Control Panel, Add</i>	956.82	
	<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	318.94	
	<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	1,594.71	
	<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	3,986.77	
	<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	4,784.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0018 EA 5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled ..... <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	55,727.28 5,955.46 5,955.46 1,488.86 496.29 2,481.44 6,203.60 7,444.32	2,975.76
26 11 13 00-0019 EA 7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled ..... <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	81,081.90 8,781.81 8,781.81 2,195.45 731.82 3,659.09 9,147.72 10,977.26	3,662.81
26 11 13 00-0020 EA 10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled ..... <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	99,880.41 10,800.62 10,800.62 2,700.16 900.05 4,500.26 11,250.65 13,500.78	4,740.11
<b>26 11 13 00-0021 23 KV Nominal Primary</b> <small>(26 11 13 00-0014)</small>		
26 11 13 00-0022 EA 1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled ..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	35,364.73 3,729.21 932.30 310.77 1,553.84 3,884.59 4,661.51 2,486.14	2,281.41
26 11 13 00-0023 EA 2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled ..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	40,343.71 4,219.89 1,054.97 351.66 1,758.29 4,395.72 5,274.87 2,813.26	2,281.41
26 11 13 00-0024 EA 5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled ..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	64,901.29 6,964.86 1,741.22 580.41 2,902.03 7,255.07 8,706.08 4,643.24	3,372.52
26 11 13 00-0025 EA 7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled ..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	87,262.85 9,286.51 2,321.63 773.88 3,869.38 9,673.45 11,608.14 6,191.01	4,740.11
26 11 13 00-0026 EA 10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled ..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	108,292.13 11,810.03 2,952.51 984.17 4,920.85 12,302.11 14,762.54 7,873.35	4,740.11
<b>26 11 13 00-0027 34.5 KV Nominal Primary</b> <small>(26 11 13 00-0014)</small>		
26 11 13 00-0028 EA 1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled ..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	44,432.73 4,710.58 1,177.64 392.55 1,962.74 4,906.85 5,888.22 3,140.38	2,727.78
26 11 13 00-0029 EA 2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled ..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	53,669.92 5,691.94 1,422.99 474.33 2,371.64 5,929.11 7,114.93 3,794.63	4,265.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0030 EA 5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	74,187.47	4,265.25
For 50 Hz Operation, Add	7,873.38	
For External Control Panel, Add	1,968.35	
For Internally Mounted Current Transformers And Linear Couplers, Add	656.12	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,280.58	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,201.44	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,841.73	
For Forced Air Cooling, Add	5,248.92	
26 11 13 00-0031 EA 7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	95,674.51	4,632.38
For 50 Hz Operation, Add	10,295.91	
For External Control Panel, Add	2,573.98	
For Internally Mounted Current Transformers And Linear Couplers, Add	857.99	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,289.96	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,724.91	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,869.89	
For Forced Air Cooling, Add	6,863.94	
26 11 13 00-0032 EA 10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	165,733.32	5,925.14
For 50 Hz Operation, Add	18,371.16	
For External Control Panel, Add	4,592.79	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,530.93	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,654.65	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	19,136.63	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	22,963.95	
For Forced Air Cooling, Add	12,247.44	
<b>26 11 13 00-0033 46 KV Nominal Primary (26 11 13 00-0014)</b>		
26 11 13 00-0034 EA 1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	68,335.76	3,174.14
For 50 Hz Operation, Add	7,451.84	
For External Control Panel, Add	1,862.96	
For Internally Mounted Current Transformers And Linear Couplers, Add	620.99	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,104.94	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,762.34	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,314.81	
For Forced Air Cooling, Add	4,967.90	
26 11 13 00-0035 EA 2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	77,263.02	3,174.14
For 50 Hz Operation, Add	8,448.27	
For External Control Panel, Add	2,112.07	
For Internally Mounted Current Transformers And Linear Couplers, Add	704.02	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,520.11	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,800.28	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,560.34	
For Forced Air Cooling, Add	5,632.18	
26 11 13 00-0036 EA 5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	107,136.15	4,265.25
For 50 Hz Operation, Add	11,827.22	
For External Control Panel, Add	2,956.81	
For Internally Mounted Current Transformers And Linear Couplers, Add	985.60	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,928.01	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,320.02	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	14,784.03	
For Forced Air Cooling, Add	7,884.82	
26 11 13 00-0037 EA 7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	131,071.92	5,925.14
For 50 Hz Operation, Add	14,211.80	
For External Control Panel, Add	3,552.95	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,184.32	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,921.58	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	14,803.95	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	17,764.74	
For Forced Air Cooling, Add	9,474.53	
26 11 13 00-0038 EA 10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	186,814.70	5,925.14
For 50 Hz Operation, Add	20,900.93	
For External Control Panel, Add	5,225.23	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,741.74	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	8,708.72	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	21,771.80	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	26,126.16	
For Forced Air Cooling, Add	13,933.95	
<b>26 11 13 00-0039 69 KV Nominal Primary (26 11 13 00-0014)</b>		
26 11 13 00-0040 EA 1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	98,615.01	3,372.52
For 50 Hz Operation, Add	11,010.51	
For External Control Panel, Add	2,752.63	
For Internally Mounted Current Transformers And Linear Couplers, Add	917.54	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,587.71	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	11,469.28	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	13,763.14	
For Forced Air Cooling, Add	7,340.34	
26 11 13 00-0041 EA 2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	113,181.84	4,265.25
For 50 Hz Operation, Add	12,552.71	
For External Control Panel, Add	3,138.18	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,046.06	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,230.29	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	13,075.74	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	15,690.88	
For Forced Air Cooling, Add	8,368.47	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0042 EA 5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled ..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	155,918.71 17,681.13 4,420.28 1,473.43 7,367.14 18,417.84 22,101.41 11,787.42	4,265.25
26 11 13 00-0043 EA 7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled ..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	165,121.67 18,297.77 4,574.44 1,524.81 7,624.07 19,060.17 22,872.21 12,198.51	5,925.14
26 11 13 00-0044 EA 10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled ..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	216,596.28 24,474.72 6,118.68 2,039.56 10,197.80 25,494.50 30,593.40 16,316.48	5,925.14
<b>26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV (26 11 13)</b>		
26 11 13 00-0046 EA 1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	59,444.14	860.70
26 11 13 00-0047 EA 1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	65,280.53	860.70
26 11 13 00-0048 EA 1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	74,308.53	1,069.13
26 11 13 00-0049 EA 2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	69,437.12	1,285.58
26 11 13 00-0050 EA 2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	78,254.22	1,285.58
26 11 13 00-0051 EA 2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	89,271.86	1,493.56
26 11 13 00-0052 EA 3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	92,001.81	1,706.39
26 11 13 00-0053 EA 3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	102,979.60	1,706.39
26 11 13 00-0054 EA 3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	107,915.11	1,916.29
<b>26 11 16 Secondary Unit Substations (26 11)</b>		
<b>26 11 16 11 Secondary Unit Substations with Switchgear Secondary (26 11 16)</b>		
26 11 16 11-0001 Substation Primary Incoming Section (26 11 16 11)		
26 11 16 11-0002 Manual Transferring Fused Load Break Switches (26 11 16 11-0001) Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 11-0003 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position.....	33,692.25	1,263.91
26 11 16 11-0004 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position.....	38,904.15	1,263.91
26 11 16 11-0005 Automatic Transferring Fused Load Break Switches (26 11 16 11-0001) Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 11-0006 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch.....	47,681.93	1,263.91
26 11 16 11-0007 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch.....	51,073.86	1,263.91
26 11 16 11-0008 Accessories For Substation Fused Load Break Switches (26 11 16 11-0001)		
26 11 16 11-0009 EA Primary Lightning Arrestors Accessories, Secondary Distribution Section.....	7,035.27	
26 11 16 11-0010 EA Key Interlock Accessories, Secondary Distribution Section.....	684.79	
26 11 16 11-0011 Oil Filled Substation Transformers (26 11 16 11) Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
26 11 16 11-0012 Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ (26 11 16 11-0011)		
26 11 16 11-0013 EA 75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	13,119.48 814.21 348.95 116.32	743.93
26 11 16 11-0014 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	19,158.79 1,216.13 521.20 173.73	892.73
26 11 16 11-0015 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	21,674.47 1,378.34 590.72 196.91	991.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0016 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	25,683.01	1,239.90
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,624.22	
For Control Power Transformer On Fans And Auxiliary, Add	696.10	
For Internal Mounted Current Transformer And Linear Coupler, Add	232.03	
26 11 16 11-0017 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	28,718.22	1,537.47
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,795.03	
For Control Power Transformer On Fans And Auxiliary, Add	769.30	
For Internal Mounted Current Transformer And Linear Coupler, Add	256.43	
26 11 16 11-0018 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	30,838.90	1,884.64
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,894.87	
For Control Power Transformer On Fans And Auxiliary, Add	812.09	
For Internal Mounted Current Transformer And Linear Coupler, Add	270.70	
26 11 16 11-0019 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	36,135.04	2,281.41
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,210.05	
For Control Power Transformer On Fans And Auxiliary, Add	947.17	
For Internal Mounted Current Transformer And Linear Coupler, Add	315.72	
26 11 16 11-0020 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	38,528.22	2,479.80
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,349.80	
For Control Power Transformer On Fans And Auxiliary, Add	1,007.06	
For Internal Mounted Current Transformer And Linear Coupler, Add	335.69	
26 11 16 11-0021 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	43,029.93	2,727.78
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,630.21	
For Control Power Transformer On Fans And Auxiliary, Add	1,127.23	
For Internal Mounted Current Transformer And Linear Coupler, Add	375.74	
26 11 16 11-0022 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	49,696.16	3,025.35
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,055.18	
For Control Power Transformer On Fans And Auxiliary, Add	1,309.36	
For Internal Mounted Current Transformer And Linear Coupler, Add	436.45	
26 11 16 11-0023 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	54,557.59	3,298.13
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,357.29	
For Control Power Transformer On Fans And Auxiliary, Add	1,438.84	
For Internal Mounted Current Transformer And Linear Coupler, Add	479.61	
<b>26 11 16 11-0024 Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ</b> <small>(26 11 16 11-0011)</small>		
26 11 16 11-0025 EA 75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	12,539.19	743.93
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	773.59	
For Control Power Transformer On Fans And Auxiliary, Add	331.54	
For Internal Mounted Current Transformer And Linear Coupler, Add	110.51	
26 11 16 11-0026 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	18,673.05	743.93
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,202.96	
For Control Power Transformer On Fans And Auxiliary, Add	515.56	
For Internal Mounted Current Transformer And Linear Coupler, Add	171.85	
26 11 16 11-0027 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	21,661.63	991.92
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,377.45	
For Control Power Transformer On Fans And Auxiliary, Add	590.33	
For Internal Mounted Current Transformer And Linear Coupler, Add	196.78	
26 11 16 11-0028 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	25,705.10	1,239.90
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,625.77	
For Control Power Transformer On Fans And Auxiliary, Add	696.76	
For Internal Mounted Current Transformer And Linear Coupler, Add	232.25	
26 11 16 11-0029 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	30,973.07	1,537.47
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,952.87	
For Control Power Transformer On Fans And Auxiliary, Add	836.94	
For Internal Mounted Current Transformer And Linear Coupler, Add	278.98	
26 11 16 11-0030 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	33,646.60	1,884.64
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,091.41	
For Control Power Transformer On Fans And Auxiliary, Add	896.32	
For Internal Mounted Current Transformer And Linear Coupler, Add	298.77	
26 11 16 11-0031 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	37,431.53	2,281.41
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,300.81	
For Control Power Transformer On Fans And Auxiliary, Add	986.06	
For Internal Mounted Current Transformer And Linear Coupler, Add	328.69	
26 11 16 11-0032 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	40,761.53	2,479.80
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,506.14	
For Control Power Transformer On Fans And Auxiliary, Add	1,074.06	
For Internal Mounted Current Transformer And Linear Coupler, Add	358.02	
26 11 16 11-0033 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	45,917.95	2,727.78
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,832.37	
For Control Power Transformer On Fans And Auxiliary, Add	1,213.87	
For Internal Mounted Current Transformer And Linear Coupler, Add	404.62	
<b>26 11 16 11-0034 Accessories For Oil Filled Substation Transformers</b> <small>(26 11 16 11-0011)</small>		
26 11 16 11-0035 EA Sudden Pressure Relay.....	3,525.49	
26 11 16 11-0036 EA Throats Or Flanges (HV Or LV).....	6,999.30	
26 11 16 11-0037 EA Lightning Arrestors (3 - 1 Pole).....	4,608.77	
26 11 16 11-0038 EA Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X).....	25,576.35	
26 11 16 11-0039 EA Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout.....	23,929.22	
<b>26 11 16 11-0040 Reinforced Concrete Curb With 6" Slab</b> <small>(26 11 16 11-0011)</small>		
Note: For transformer liquid containment area.		
26 11 16 11-0041 EA 112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	4,206.49	1,203.95
26 11 16 11-0042 EA 150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	4,206.49	1,203.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0043 EA 225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	4,206.49	1,203.95
26 11 16 11-0044 EA 300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	4,206.49	1,203.95
26 11 16 11-0045 EA 500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	4,206.49	1,203.95
26 11 16 11-0046 EA 750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	4,206.49	1,203.95
26 11 16 11-0047 EA 1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	4,206.49	1,203.95
26 11 16 11-0048 EA 1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	4,925.29	1,388.18
<b>26 11 16 11-0049 Dry Type Substation Transformer <sup>(26 11 16 11)</sup></b>		
Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		
<b>26 11 16 11-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt <sup>(26 11 16 11-0049)</sup></b>		
Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 11-0051 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	22,583.05	793.54
For Gas Filled Transformers, Add	12,597.59	
For Single Phase Transformers, Deduct	-524.90	
For Dry Type Unit, Add	4,777.82	
26 11 16 11-0052 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	22,682.24	843.13
For Gas Filled Transformers, Add	12,597.59	
For Single Phase Transformers, Deduct	-524.90	
For Dry Type Unit, Add	4,787.74	
26 11 16 11-0053 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	23,253.29	991.92
For Gas Filled Transformers, Add	12,761.68	
For Single Phase Transformers, Deduct	-531.74	
For Dry Type Unit, Add	4,877.66	
26 11 16 11-0054 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	25,663.26	1,091.12
For Gas Filled Transformers, Add	14,088.62	
For Single Phase Transformers, Deduct	-587.03	
For Dry Type Unit, Add	5,384.05	
26 11 16 11-0055 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	28,532.16	1,289.49
For Gas Filled Transformers, Add	15,571.91	
For Single Phase Transformers, Deduct	-648.83	
For Dry Type Unit, Add	5,967.60	
26 11 16 11-0056 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	33,052.76	1,487.88
For Gas Filled Transformers, Add	18,046.20	
For Single Phase Transformers, Deduct	-751.93	
For Dry Type Unit, Add	6,914.52	
26 11 16 11-0057 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	38,411.30	1,785.46
For Gas Filled Transformers, Add	20,904.24	
For Single Phase Transformers, Deduct	-871.01	
For Dry Type Unit, Add	8,021.98	
26 11 16 11-0058 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	45,324.37	1,983.83
For Gas Filled Transformers, Add	24,814.01	
For Single Phase Transformers, Deduct	-1,033.92	
For Dry Type Unit, Add	9,495.24	
26 11 16 11-0059 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	58,432.57	2,083.03
For Gas Filled Transformers, Add	32,559.91	
For Single Phase Transformers, Deduct	-1,356.66	
For Dry Type Unit, Add	12,355.24	
<b>26 11 16 11-0060 Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt <sup>(26 11 16 11-0049)</sup></b>		
Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 11-0061 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	21,837.96	793.54
For Gas Filled Transformers, Add	12,150.53	
For Single Phase Transformers, Deduct	-506.27	
For Dry Type Unit, Add	4,613.90	
26 11 16 11-0062 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	22,682.24	843.13
For Gas Filled Transformers, Add	12,597.59	
For Single Phase Transformers, Deduct	-524.90	
For Dry Type Unit, Add	4,787.74	
26 11 16 11-0063 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	23,253.29	991.92
For Gas Filled Transformers, Add	12,761.68	
For Single Phase Transformers, Deduct	-531.74	
For Dry Type Unit, Add	4,877.66	
26 11 16 11-0064 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	25,663.26	1,091.12
For Gas Filled Transformers, Add	14,088.62	
For Single Phase Transformers, Deduct	-587.03	
For Dry Type Unit, Add	5,384.05	
26 11 16 11-0065 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	28,532.16	1,289.49
For Gas Filled Transformers, Add	15,571.91	
For Single Phase Transformers, Deduct	-648.83	
For Dry Type Unit, Add	5,967.60	
26 11 16 11-0066 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	33,052.76	1,487.88
For Gas Filled Transformers, Add	18,046.20	
For Single Phase Transformers, Deduct	-751.93	
For Dry Type Unit, Add	6,914.52	
26 11 16 11-0067 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	38,411.30	1,785.46
For Gas Filled Transformers, Add	20,904.24	
For Single Phase Transformers, Deduct	-871.01	
For Dry Type Unit, Add	8,021.98	
26 11 16 11-0068 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	45,324.37	1,983.83
For Gas Filled Transformers, Add	24,814.01	
For Single Phase Transformers, Deduct	-1,033.92	
For Dry Type Unit, Add	9,495.24	

<b>26</b>	<b>Electrical</b>
<b>26 10</b>	<b>Medium-Voltage Electrical Distribution</b>
<b>26 11</b>	<b>Substations</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0069	EA		2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	58,432.57	2,083.03
			<i>For Gas Filled Transformers, Add</i>	32,559.91	
			<i>For Single Phase Transformers, Deduct</i>	-1,356.66	
			<i>For Dry Type Unit, Add</i>	12,355.24	
26 11 16 11-0070	EA		2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	64,070.54	2,182.22
			<i>For Gas Filled Transformers, Add</i>	35,823.66	
			<i>For Single Phase Transformers, Deduct</i>	-1,492.65	
			<i>For Dry Type Unit, Add</i>	13,571.79	
26 11 16 11-0071	EA		3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	71,411.86	2,281.41
			<i>For Gas Filled Transformers, Add</i>	40,109.42	
			<i>For Single Phase Transformers, Deduct</i>	-1,671.23	
			<i>For Dry Type Unit, Add</i>	15,163.07	
26 11 16 11-0072	EA		3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	82,153.45	2,380.61
			<i>For Gas Filled Transformers, Add</i>	46,435.34	
			<i>For Single Phase Transformers, Deduct</i>	-1,934.81	
			<i>For Dry Type Unit, Add</i>	17,502.41	
<b>26 11 16 11-0073</b>			<b>Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt</b> <small>(26 11 16 11-0049)</small>		
26 11 16 11-0074	EA		112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	24,323.29	892.73
			<i>For Gas Filled Transformers, Add</i>	13,522.70	
			<i>For Single Phase Transformers, Deduct</i>	-563.45	
			<i>For Dry Type Unit, Add</i>	5,136.87	
26 11 16 11-0075	EA		150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	25,163.26	942.32
			<i>For Gas Filled Transformers, Add</i>	13,967.17	
			<i>For Single Phase Transformers, Deduct</i>	-581.97	
			<i>For Dry Type Unit, Add</i>	5,309.76	
26 11 16 11-0076	EA		225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	26,979.01	1,091.12
			<i>For Gas Filled Transformers, Add</i>	14,878.07	
			<i>For Single Phase Transformers, Deduct</i>	-619.92	
			<i>For Dry Type Unit, Add</i>	5,673.52	
26 11 16 11-0077	EA		300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	28,512.52	1,190.30
			<i>For Gas Filled Transformers, Add</i>	15,679.15	
			<i>For Single Phase Transformers, Deduct</i>	-653.30	
			<i>For Dry Type Unit, Add</i>	5,987.08	
26 11 16 11-0078	EA		500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	32,535.67	1,388.68
			<i>For Gas Filled Transformers, Add</i>	17,854.98	
			<i>For Single Phase Transformers, Deduct</i>	-743.96	
			<i>For Dry Type Unit, Add</i>	6,824.56	
26 11 16 11-0079	EA		750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	36,091.52	1,587.07
			<i>For Gas Filled Transformers, Add</i>	19,750.43	
			<i>For Single Phase Transformers, Deduct</i>	-822.93	
			<i>For Dry Type Unit, Add</i>	7,559.24	
26 11 16 11-0080	EA		1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	42,167.16	1,884.64
			<i>For Gas Filled Transformers, Add</i>	23,038.72	
			<i>For Single Phase Transformers, Deduct</i>	-959.95	
			<i>For Dry Type Unit, Add</i>	8,824.46	
26 11 16 11-0081	EA		1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	50,951.54	2,083.03
			<i>For Gas Filled Transformers, Add</i>	28,071.29	
			<i>For Single Phase Transformers, Deduct</i>	-1,169.64	
			<i>For Dry Type Unit, Add</i>	10,709.41	
26 11 16 11-0082	EA		2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	61,339.98	2,182.22
			<i>For Gas Filled Transformers, Add</i>	34,185.32	
			<i>For Single Phase Transformers, Deduct</i>	-1,424.39	
			<i>For Dry Type Unit, Add</i>	12,971.06	
<b>26 11 16 11-0083</b>			<b>Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt</b> <small>(26 11 16 11-0049)</small>		
26 11 16 11-0084	EA		112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	24,323.29	892.73
			<i>For Gas Filled Transformers, Add</i>	13,522.70	
			<i>For Single Phase Transformers, Deduct</i>	-563.45	
			<i>For Dry Type Unit, Add</i>	5,136.87	
26 11 16 11-0085	EA		150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	25,163.26	942.32
			<i>For Gas Filled Transformers, Add</i>	13,967.17	
			<i>For Single Phase Transformers, Deduct</i>	-581.97	
			<i>For Dry Type Unit, Add</i>	5,309.76	
26 11 16 11-0086	EA		225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	26,979.01	1,091.12
			<i>For Gas Filled Transformers, Add</i>	14,878.07	
			<i>For Single Phase Transformers, Deduct</i>	-619.92	
			<i>For Dry Type Unit, Add</i>	5,673.52	
26 11 16 11-0087	EA		300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	28,512.52	1,190.30
			<i>For Gas Filled Transformers, Add</i>	15,679.15	
			<i>For Single Phase Transformers, Deduct</i>	-653.30	
			<i>For Dry Type Unit, Add</i>	5,987.08	
26 11 16 11-0088	EA		500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	32,535.67	1,388.68
			<i>For Gas Filled Transformers, Add</i>	17,854.98	
			<i>For Single Phase Transformers, Deduct</i>	-743.96	
			<i>For Dry Type Unit, Add</i>	6,824.56	
26 11 16 11-0089	EA		750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	31,784.66	1,587.07
			<i>For Gas Filled Transformers, Add</i>	17,166.31	
			<i>For Single Phase Transformers, Deduct</i>	-715.26	
			<i>For Dry Type Unit, Add</i>	6,611.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0090 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	33,319.18 17,729.93 -738.75 6,877.90	1,884.64
26 11 16 11-0091 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	40,814.30 21,988.95 -916.21 8,479.22	2,083.03
26 11 16 11-0092 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	48,200.77 26,301.80 -1,095.91 10,080.44	2,182.22
26 11 16 11-0093 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	53,772.77 29,525.96 -1,230.25 11,282.47	2,281.41
26 11 16 11-0094 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	62,923.85 34,897.58 -1,454.07 13,271.90	2,380.61
26 11 16 11-0095 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	76,860.34 43,140.45 -1,797.52 16,314.12	2,479.80

## 26 12 Medium-Voltage Transformers <sup>(26 10)</sup>

### 26 12 13 Liquid-Filled, Medium-Voltage Transformers <sup>(26 12)</sup>

#### 26 12 13 00-0001 Removal And Relocation Of Transformers <sup>(26 12 13)</sup>

26 12 13 00-0002 EA Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer .....	1,064.61	
26 12 13 00-0003 EA Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers .....	1,959.19	

#### 26 12 13 00-0004 Single Phase Oil Filled Distribution Transformers <sup>(26 12 13)</sup>

Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.

#### 26 12 13 00-0005 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA <sup>(26 12 13 00-0004)</sup>

26 12 13 00-0006 EA 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	3,237.46	420.74
26 12 13 00-0007 EA 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	3,897.43	525.92
26 12 13 00-0008 EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	4,542.23	631.10
26 12 13 00-0009 EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	5,863.89	788.88
26 12 13 00-0010 EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	6,965.86	946.67
26 12 13 00-0011 EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	9,539.20	1,104.44
26 12 13 00-0012 EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	11,305.04	1,314.81

#### 26 12 13 00-0013 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA <sup>(26 12 13 00-0004)</sup>

26 12 13 00-0014 EA 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,237.46	420.74
26 12 13 00-0015 EA 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,963.23	525.92
26 12 13 00-0016 EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,542.23	631.10
26 12 13 00-0017 EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,863.89	788.88
26 12 13 00-0018 EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,965.86	946.67
26 12 13 00-0019 EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,862.92	1,104.44
26 12 13 00-0020 EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,961.61	1,314.81

#### 26 12 13 00-0021 Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN <sup>(26 12 13 00-0004)</sup>

26 12 13 00-0022 EA 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,160.70	420.74
26 12 13 00-0023 EA 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,689.09	525.92
26 12 13 00-0024 EA 25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,336.18	631.10
26 12 13 00-0025 EA 37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,816.33	788.88
26 12 13 00-0026 EA 50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,765.09	946.67
26 12 13 00-0027 EA 75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,989.72	1,104.44
26 12 13 00-0028 EA 100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,993.32	1,314.81

#### 26 12 13 00-0029 Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN <sup>(26 12 13 00-0004)</sup>

26 12 13 00-0030 EA 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,517.09	420.74
26 12 13 00-0031 EA 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,056.44	525.92
26 12 13 00-0032 EA 25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,298.56	631.10
26 12 13 00-0033 EA 37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,673.05	788.88
26 12 13 00-0034 EA 50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,725.48	946.67
26 12 13 00-0035 EA 75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,410.07	1,104.44
26 12 13 00-0036 EA 100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	13,286.23	1,314.81



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 12 13 00-0037	Transformer Platforms <small>(26 12 13 00-0004)</small>		
26 12 13 00-0038	EA Transformer Platforms, 75 - 167 KVA.....	4,664.15	710.52
26 12 13 00-0039	Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN <small>(26 12 13 00-0004)</small>		
26 12 13 00-0040	EA 10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,842.07	420.74
26 12 13 00-0041	EA 15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,351.51	525.92
26 12 13 00-0042	EA 25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,299.57	631.10
26 12 13 00-0043	EA 37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,671.81	788.88
26 12 13 00-0044	EA 50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,830.23	999.26
26 12 13 00-0045	EA 75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,413.16	1,104.44
26 12 13 00-0046	EA 100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	13,286.23	1,314.81
26 12 13 00-0047	EA 167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	17,710.95	1,682.95
26 12 13 00-0048	EA 250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	22,755.81	2,261.46
26 12 13 00-0049	EA 333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	26,642.22	2,629.62
26 12 13 00-0050	EA 500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	33,442.97	2,839.98
26 12 13 00-0051	Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL <small>(26 12 13 00-0004)</small>		
26 12 13 00-0052	EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	3,237.46	515.20
26 12 13 00-0053	EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	3,897.43	643.94
26 12 13 00-0054	EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	4,541.79	771.95
26 12 13 00-0055	EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	5,864.91	967.39
26 12 13 00-0056	EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	6,964.89	1,158.82
26 12 13 00-0057	EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	9,537.89	1,349.62
26 12 13 00-0058	EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	11,305.04	1,609.95
26 12 13 00-0059	Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCAN <small>(26 12 13 00-0004)</small>		
26 12 13 00-0060	EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,237.46	515.20
26 12 13 00-0061	EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,963.23	643.94
26 12 13 00-0062	EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,541.79	771.95
26 12 13 00-0063	EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,864.91	967.39
26 12 13 00-0064	EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,964.89	1,158.82
26 12 13 00-0065	EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,861.61	1,349.62
26 12 13 00-0066	EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,961.61	1,609.95
26 12 13 00-0067	Primary 7.2 To 14.4 KV Ground Y <small>(26 12 13 00-0004)</small>		
26 12 13 00-0068	Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN <small>(26 12 13 00-0067)</small>		
26 12 13 00-0069	EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,660.77	420.74
26 12 13 00-0070	EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,190.15	525.92
26 12 13 00-0071	EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,703.12	631.10
26 12 13 00-0072	EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,819.88	788.88
26 12 13 00-0073	EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,004.90	946.67
26 12 13 00-0074	EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,182.61	1,104.44
26 12 13 00-0075	EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,604.63	1,314.81
26 12 13 00-0076	Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN <small>(26 12 13 00-0067)</small>		
26 12 13 00-0077	EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,486.32	420.74
26 12 13 00-0078	EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,970.84	525.92
26 12 13 00-0079	EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,603.43	631.10
26 12 13 00-0080	EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,620.50	788.88
26 12 13 00-0081	EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,730.76	946.67
26 12 13 00-0082	EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,185.73	1,104.44
26 12 13 00-0083	EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,607.76	1,314.81
26 12 13 00-0084	3 Phase Oil Filled Distribution Transformers <small>(26 12 13)</small>		
26 12 13 00-0085	Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt <small>(26 12 13 00-0084)</small> Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 13 00-0086	EA 112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	11,729.12	1,472.58
26 12 13 00-0087	EA 150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	14,458.42	1,577.77
26 12 13 00-0088	EA 225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	19,110.57	1,998.50
26 12 13 00-0089	EA 300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	24,877.34	2,524.42
26 12 13 00-0090	EA 500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	35,907.09	2,839.98
26 12 13 00-0091	EA 750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	54,334.91	3,786.64

## 26 12 16 Dry-Type, Medium-Voltage Transformers (26 12)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 12 16 00-0001</b> <b>Removal and Relocation of Transformers</b> <small>(26 12 16)</small>		
26 12 16 00-0002    EA    Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer .....	411.65	
26 12 16 00-0003    EA    Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer.....	1,829.54	
<b>26 12 19    Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers</b> <small>(26 12)</small>		
<b>26 12 19 00-0001</b> <b>Single Phase Pad Mounted Distribution Transformers</b> <small>(26 12 19)</small>		
Note: Designed for residential and multi-family buildings. UL listed.		
<b>26 12 19 00-0002</b> <b>Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL- Oil Filled</b> <small>(26 12 19 00-0001)</small>		
Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
<b>26 12 19 00-0003</b> <b>Primary, 4.16/4.8 KV Ground Y Or Delta</b> <small>(26 12 19 00-0002)</small>		
Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004    EA    25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	7,197.19	495.96
26 12 19 00-0005    EA    37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	7,865.72	595.15
26 12 19 00-0006    EA    50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	9,366.88	694.34
26 12 19 00-0007    EA    75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	11,517.16	743.93
26 12 19 00-0008    EA    100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	13,042.95	793.54
26 12 19 00-0009    EA    167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	17,070.42	1,041.51
<b>26 12 19 00-0010</b> <b>Factory Modifications Material Cost Only</b> <small>(26 12 19 00-0002)</small>		
26 12 19 00-0011    EA    Loadbreaker Current Limiting Fuse Factory Modifications.....	1,485.82	
26 12 19 00-0012    EA    Loadbreaker Oil Switch, 2 Position Factory Modifications .....	1,561.19	
26 12 19 00-0013    EA    Loadbreaker Inserts, Factory Modifications .....	1,717.30	
<b>26 12 19 00-0014</b> <b>Distribution - Single Phase Multiple Building Transformer</b> <small>(26 12 19 00-0001)</small>		
Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
<b>26 12 19 00-0015</b> <b>Primary, 4.16/4.8 KVA Ground Y Or Delta</b> <small>(26 12 19 00-0014)</small>		
Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016    EA    25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	8,947.51	495.96
26 12 19 00-0017    EA    37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	10,094.26	495.96
26 12 19 00-0018    EA    50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	10,873.12	679.47
26 12 19 00-0019    EA    75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	13,548.27	679.47
26 12 19 00-0020    EA    100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	15,204.58	892.73
26 12 19 00-0021    EA    167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	18,265.90	892.73
26 12 19 00-0022    EA    250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	29,290.14	1,239.90
<b>26 12 19 00-0023</b> <b>Factory Modifications Material Cost Only</b> <small>(26 12 19 00-0014)</small>		
26 12 19 00-0024    EA    Loadbreaker Current Limiting Fuse Factory Modifications.....	1,981.09	
26 12 19 00-0025    EA    Lightning Arrestors, Factory Modifications.....	501.95	
26 12 19 00-0026    EA    Loadbreaker Oil Switch, 2 Position Factory Modifications .....	1,561.19	
26 12 19 00-0027    EA    Loop Feed Air Switch, Factory Modifications .....	2,540.97	
26 12 19 00-0028    EA    Loadbreaker Inserts (Two), Factory Modifications .....	678.31	
26 12 19 00-0029    EA    Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications.....	586.79	
<b>26 12 19 00-0030</b> <b>Primary, 12.47 KV Ground Y Or Delta</b> <small>(26 12 19 00-0014)</small>		
Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031    EA    25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	9,677.66	495.96
26 12 19 00-0032    EA    37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	10,340.17	495.96
26 12 19 00-0033    EA    50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	10,777.61	679.47
26 12 19 00-0034    EA    75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	12,969.08	679.47
26 12 19 00-0035    EA    100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	16,412.35	892.73
26 12 19 00-0036    EA    167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	20,401.32	892.82

<b>26</b>	<b>Electrical</b>
<b>26 10</b>	<b>Medium-Voltage Electrical Distribution</b>
<b>26 12</b>	<b>Medium-Voltage Transformers</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0037 EA 250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	25,887.96	1,239.90
<b>26 12 19 00-0038 Oil Filled Distribution Transformer Single Phase Cluster Mounted</b> (26 12 19 00-0001) Note: Conventional type.		
<b>26 12 19 00-0039 13.8/14.4 KV Ground Y Or Delta Primary 120/240V</b> (26 12 19 00-0038) Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040 EA 10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	6,506.24	361.11
26 12 19 00-0041 EA 37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	8,089.86	507.82
26 12 19 00-0042 EA 50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	12,370.59	812.52
26 12 19 00-0043 EA 100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	22,009.38	812.52
26 12 19 00-0044 EA 167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	30,285.12	1,331.62
26 12 19 00-0045 EA 250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	40,549.91	1,331.62
<b>26 12 19 00-0046 Oil Filled Distribution Transformer Single Phase</b> (26 12 19 00-0001)		
<b>26 12 19 00-0047 7.2 KV Primary, 120/240 Volt Secondary</b> (26 12 19 00-0046)		
26 12 19 00-0048 EA 10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	6,311.84	383.68
26 12 19 00-0049 EA 15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	6,891.31	383.68
26 12 19 00-0050 EA 25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	8,117.56	541.68
26 12 19 00-0051 EA 37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	10,470.46	541.68
26 12 19 00-0052 EA 50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	12,059.43	733.52
26 12 19 00-0053 EA 100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	21,512.90	1,128.49
26 12 19 00-0054 EA 167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	29,896.32	1,128.49
26 12 19 00-0055 EA 250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	39,949.76	1,410.62
<b>26 12 19 00-0056 7.2 KV Primary, 240/480 Volt Secondary</b> (26 12 19 00-0046)		
26 12 19 00-0057 EA 10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	6,311.84	383.68
26 12 19 00-0058 EA 15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	6,891.51	383.68
26 12 19 00-0059 EA 25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	8,117.56	541.68
26 12 19 00-0060 EA 37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	10,470.46	541.68
26 12 19 00-0061 EA 50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	12,059.43	733.52
26 12 19 00-0062 EA 75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	18,614.84	993.07
26 12 19 00-0063 EA 100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	21,512.90	993.07
26 12 19 00-0064 EA 167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	29,896.32	1,252.63
26 12 19 00-0065 EA 250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	39,949.76	1,410.62
<b>26 12 19 00-0066 2.4 KV Primary, 277 Volt Secondary</b> (26 12 19 00-0046)		
26 12 19 00-0067 EA 10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	6,921.89	383.68
26 12 19 00-0068 EA 15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	7,556.14	383.68
26 12 19 00-0069 EA 25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	8,905.79	541.68
26 12 19 00-0070 EA 37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	11,477.40	541.68
26 12 19 00-0071 EA 50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	13,216.00	733.52
26 12 19 00-0072 EA 75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	20,278.04	993.07
26 12 19 00-0073 EA 100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	23,644.78	993.07
26 12 19 00-0074 EA 167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	32,888.59	1,252.63
26 12 19 00-0075 EA 250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	44,006.15	1,410.62
<b>26 12 19 00-0076 2.4 KV Primary, 120/240 Volt Secondary</b> (26 12 19 00-0046)		
26 12 19 00-0077 EA 10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	6,311.84	383.68
26 12 19 00-0078 EA 15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	6,891.31	383.68
26 12 19 00-0079 EA 25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	8,117.56	737.02
26 12 19 00-0080 EA 37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	10,470.46	993.07
26 12 19 00-0081 EA 50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	12,059.43	733.52
26 12 19 00-0082 EA 75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	18,458.36	993.07
26 12 19 00-0083 EA 100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	21,508.92	993.07
<b>26 12 19 00-0084 2.4 KV Primary, 240/480 Volt Secondary</b> (26 12 19 00-0046)		
26 12 19 00-0085 EA 10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	6,311.84	383.68
26 12 19 00-0086 EA 15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	6,891.31	383.68
26 12 19 00-0087 EA 25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	8,117.56	541.68
26 12 19 00-0088 EA 37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	10,470.46	541.68
26 12 19 00-0089 EA 50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	12,059.43	733.52
26 12 19 00-0090 EA 75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	18,458.36	993.07
26 12 19 00-0091 EA 100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	21,508.92	993.07
<b>26 12 19 00-0092 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary</b> (26 12 19 00-0046)		
26 12 19 00-0093 EA 10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	5,363.58	394.97
26 12 19 00-0094 EA 15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	5,820.26	440.11
26 12 19 00-0095 EA 25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	7,083.74	485.25
26 12 19 00-0096 EA 37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	9,009.97	677.10
26 12 19 00-0097 EA 50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	10,039.28	789.95
26 12 19 00-0098 EA 75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	13,887.50	925.36





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 12 19 00-0099	EA	100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	16,713.70	1,060.78
26 12 19 00-0100	EA	167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	26,184.76	1,354.19
26 12 19 00-0101	EA	250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	36,202.31	1,523.47

**26 13 Medium-Voltage Switchgear** (26 10)

**26 13 16 Medium-Voltage Fusible Interrupter Switchgear** (26 13)

26 13 16 00-0001	EA	"Switchyard", Substation Secondary Distribution Section <small>(26 13 16)</small> Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.		
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**26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section** (26 13 16 00-0001)

26 13 16 00-0003	EA	1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	12,819.80	1,173.63
		<i>For Weatherproofing, Add</i>	2,655.78	
26 13 16 00-0004	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	13,459.64	1,173.63
		<i>For Weatherproofing, Add</i>	2,796.55	
26 13 16 00-0005	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	18,348.77	1,495.25
		<i>For Weatherproofing, Add</i>	3,838.75	
26 13 16 00-0006	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	25,026.56	1,495.25
		<i>For Weatherproofing, Add</i>	5,282.69	
26 13 16 00-0007	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	35,904.09	1,805.59
		<i>For Weatherproofing, Add</i>	7,645.71	
26 13 16 00-0008	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	32,748.84	1,805.59
		<i>For Weatherproofing, Add</i>	6,938.77	

**26 13 16 00-0009 7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section** (26 13 16 00-0001)

26 13 16 00-0010	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	19,161.43	1,354.19
		<i>For Weatherproofing, Add</i>	4,033.92	
26 13 16 00-0011	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	23,522.83	1,692.74
		<i>For Weatherproofing, Add</i>	4,937.80	
26 13 16 00-0012	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	33,102.17	2,031.29
		<i>For Weatherproofing, Add</i>	7,005.30	

**26 13 16 00-0013 13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section** (26 13 16 00-0001)

26 13 16 00-0014	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	18,468.87	1,354.19
		<i>For Weatherproofing, Add</i>	3,866.65	
26 13 16 00-0015	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	25,446.74	1,354.19
		<i>For Weatherproofing, Add</i>	5,369.31	
26 13 16 00-0016	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	37,206.28	1,805.59
		<i>For Weatherproofing, Add</i>	7,919.41	
26 13 16 00-0017	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	23,232.42	1,805.59
		<i>For Weatherproofing, Add</i>	4,860.36	
26 13 16 00-0018	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	33,776.21	2,256.98
		<i>For Weatherproofing, Add</i>	7,147.63	
26 13 16 00-0019	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	47,304.75	2,256.98
		<i>For Weatherproofing, Add</i>	10,089.80	
26 13 16 00-0020	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	32,509.82	2,256.98
		<i>For Weatherproofing, Add</i>	6,859.59	
26 13 16 00-0021	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	45,118.65	2,256.98
		<i>For Weatherproofing, Add</i>	9,601.02	
26 13 16 00-0022	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	58,514.71	2,256.98
		<i>For Weatherproofing, Add</i>	12,517.41	

**26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section** (26 13 16 00-0001)

26 13 16 00-0024	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	5,740.68	739.16
		<i>For Weatherproofing, Add</i>	1,159.28	
26 13 16 00-0025	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	7,475.29	739.16
		<i>For Weatherproofing, Add</i>	1,540.90	
26 13 16 00-0026	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	8,096.92	981.79
		<i>For Weatherproofing, Add</i>	1,644.18	
26 13 16 00-0027	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	10,033.51	1,213.13
		<i>For Weatherproofing, Add</i>	2,037.49	
26 13 16 00-0028	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	13,544.21	1,213.13
		<i>For Weatherproofing, Add</i>	2,809.85	

**26 13 16 00-0029 7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section** (26 13 16 00-0001)

<b>26</b>	<b>Electrical</b>
<b>26 10</b>	<b>Medium-Voltage Electrical Distribution</b>
<b>26 13</b>	<b>Medium-Voltage Switchgear</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0030 EA 1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,268.44	1,128.49
For Weatherproofing, Add	1,480.98	
26 13 16 00-0031 EA 2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,511.55	1,128.49
For Weatherproofing, Add	1,941.21	
26 13 16 00-0032 EA 3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	14,529.64	1,128.49
For Weatherproofing, Add	3,012.38	
<b>26 13 16 00-0033 13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0034 EA 1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,491.06	959.21
For Weatherproofing, Add	1,514.37	
26 13 16 00-0035 EA 1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,993.08	959.21
For Weatherproofing, Add	1,624.82	
26 13 16 00-0036 EA 1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	11,462.91	1,184.92
For Weatherproofing, Add	2,355.18	
26 13 16 00-0037 EA 2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	10,199.42	1,421.90
For Weatherproofing, Add	2,044.39	
26 13 16 00-0038 EA 2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	12,565.13	1,421.90
For Weatherproofing, Add	2,564.85	
26 13 16 00-0039 EA 2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	14,446.24	1,658.88
For Weatherproofing, Add	2,945.15	
26 13 16 00-0040 EA 3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	13,515.04	1,895.87
For Weatherproofing, Add	2,707.33	
26 13 16 00-0041 EA 3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	15,136.09	1,895.87
For Weatherproofing, Add	3,063.97	
26 13 16 00-0042 EA 3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	18,658.80	2,121.57
For Weatherproofing, Add	3,805.71	
<b>26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0044 EA 1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section.....	3,632.93	715.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	429.08	
26 13 16 00-0045 EA 2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section.....	4,546.14	793.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	476.16	
26 13 16 00-0046 EA 3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section.....	5,937.71	954.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	572.84	
26 13 16 00-0047 EA 3-Phase Pothead Termination Accessories, Secondary Distribution Section.....	3,717.31	1,435.78
26 13 16 00-0048 EA 5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	4,549.46	87.73
26 13 16 00-0049 EA 5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	6,081.71	87.73
26 13 16 00-0050 EA 5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	11,149.41	87.73
26 13 16 00-0051 EA 15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	8,758.96	87.73
26 13 16 00-0052 EA 15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	9,563.30	87.73
26 13 16 00-0053 EA 15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	13,023.05	87.73
26 13 16 00-0054 EA 6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	2,052.74	87.73
26 13 16 00-0055 EA 9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	2,322.06	87.73
26 13 16 00-0056 EA 15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	3,534.76	87.73
26 13 16 00-0057 EA Overcurrent Phase Protection, Time And Instantaneous Device 67.....	2,257.28	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 13 16 00-0058 EA AC Ammeter With Switch.....	874.25	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 13 16 00-0059 EA AC Voltmeter With Switch And Potential Transformer.....	874.25	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 13 16 00-0060 EA Indicating Wattmeter.....	1,299.35	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 13 16 00-0061 EA Indicating Varmeter.....	1,535.19	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 13 16 00-0062 EA Indicating Watt-hour Meter, 2 Element.....	958.69	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 13 16 00-0063 EA Ground Protection, Time Or Instantaneous Device 67N.....	2,368.40	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 13 16 00-0064 EA Differential Generator Protection Single Phase NEMA Device 87.....	4,300.52	87.73
26 13 16 00-0065 EA Current Transformers 5 And 15 KV Single Secondary.....	588.18	87.73
26 13 16 00-0066 EA Potential Transformers 5 KV And 15 KV With Primary Fuses.....	2,865.08	87.73
<b>26 13 19 Medium-Voltage Vacuum Interrupter Switchgear</b> <small>(26 13)</small>		
<b>26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV</b> <small>(26 13 19)</small>		
26 13 19 00-0002 EA 1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	46,474.36	1,410.62
26 13 19 00-0003 EA 1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	51,319.62	1,783.02
26 13 19 00-0004 EA 1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	58,264.31	1,783.02
26 13 19 00-0005 EA 2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	53,268.70	1,410.62
26 13 19 00-0006 EA 2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	59,929.18	1,410.62
26 13 19 00-0007 EA 2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	68,306.43	1,658.88
26 13 19 00-0008 EA 3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	70,473.64	1,895.87
26 13 19 00-0009 EA 3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	77,167.94	1,895.87
26 13 19 00-0010 EA 3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	84,317.16	2,132.86
<b>26 13 29 Medium-Voltage Compartmentalized Switchgear</b> <small>(26 13)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 13 29 00-0001</b> Substation Secondary Distribution Section <small>(26 13 29)</small> Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
<b>26 13 29 00-0002</b> Switchgear Compartment Complete With Air Circuit Breaker <small>(26 13 29 00-0001)</small> Note: With solid state long - time and instantaneous trips.		
26 13 29 00-0003 EA 800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206.....	14,768.10	876.19
26 13 29 00-0004 EA 1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416.....	23,286.55	1,324.73
26 13 29 00-0005 EA 2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420.....	31,525.29	1,627.23
26 13 29 00-0006 EA 3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632.....	52,479.89	1,888.00
26 13 29 00-0007 EA 4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840.....	67,485.69	2,148.78
<b>26 13 29 00-0008</b> Switchgear Compartment Without Circuit Breaker <small>(26 13 29 00-0001)</small>		
26 13 29 00-0009 EA 800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,535.43	265.98
26 13 29 00-0010 EA 1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,551.82	265.98
26 13 29 00-0011 EA 2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,880.44	391.16
26 13 29 00-0012 EA 3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	14,141.83	391.16
26 13 29 00-0013 EA 4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	23,631.66	573.70
<b>26 13 29 00-0014</b> Switchgear Compartment, Blank, Use As Filler Or Metering <small>(26 13 29 00-0001)</small> Note: No provisions for future breaker.		
26 13 29 00-0015 EA 600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	3,006.46	297.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	169.99	
26 13 29 00-0016 EA 3,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	3,753.18	297.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	199.55	
26 13 29 00-0017 EA 4,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	4,916.33	458.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	286.85	
<b>26 13 29 00-0018</b> Accessories For Substation Secondary Distribution <small>(26 13 29 00-0001)</small>		
26 13 29 00-0019 EA Short Time Delay Accessories, Secondary Distribution Section.....	1,601.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 13 29 00-0020 EA Key Interlock Accessories, Secondary Distribution Section.....	1,258.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 13 29 00-0021 EA Ammeter And Switch Complete Accessories, Secondary Distribution Section.....	3,862.20	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 13 29 00-0022 EA Voltmeter And Switch Complete Accessories, Secondary Distribution Section.....	3,862.20	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 13 29 00-0023 EA Wattmeter - Complete Accessories, Secondary Distribution Section.....	5,089.68	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 13 29 00-0024 EA Watt-hour Meter - Complete Accessories, Secondary Distribution Section.....	6,575.57	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 13 29 00-0025 EA Circuit Breaker Lifting Device Accessories, Secondary Distribution Section.....	2,889.77	100.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.03	
26 13 29 00-0026 EA Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section.....	9,584.00	1,482.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	889.27	
26 13 29 00-0027 EA Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800.....	1,781.95	87.73
26 13 29 00-0028 EA Potential Transformers Each With Fuses Accessories, Secondary Distribution Section.....	2,082.72	87.73
26 13 29 00-0029 EA Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section.....	1,110.63	43.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.32	
26 13 29 00-0030 EA 3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section.....	8,244.51	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 13 29 00-0031 EA 3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section.....	1,058.95	43.86
<b>26 18 Medium-Voltage Circuit Protection Devices</b> <small>(26 10)</small>		
<b>26 18 36 Medium-Voltage Enclosed Fuses</b> <small>(26 18)</small>		
<b>26 18 36 00-0001</b> Sectionalizing Switch <small>(26 18 36)</small>		
<b>26 18 36 00-0002</b> Pad Mounted Metal Enclosed Oil Filled Switching Units <small>(26 18 36 00-0001)</small> Note: 15 KV - 25 KV.		
<b>26 18 36 00-0003</b> Sectionalizing Tapping And Fusing Underground Feeders <small>(26 18 36 00-0002)</small> Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 36 00-0004 EA 3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	25,595.33	743.93
26 18 36 00-0005 EA 3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	28,750.28	743.93
<b>26 19 High-Voltage Circuit Protection</b> <small>(26 10)</small>		
<b>26 19 18 Protection Devices</b> <small>(26 19)</small>		
<b>26 19 18 00-0001</b> Primary Fuse Cutouts <small>(26 19 18)</small> Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
<b>26 19 18 00-0002</b> Non-Loadbreak Current Limiting Primary Fuse Cutouts <small>(26 19 18 00-0001)</small> Note: Includes the fuse and cut-out switch.		
<b>26 19 18 00-0003</b> 8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting <small>(26 19 18 00-0002)</small>		
26 19 18 00-0004 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	653.49	282.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	135.42	

**26 Electrical****26 10 Medium-Voltage Electrical Distribution****26 19 High-Voltage Circuit Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 18 00-0005 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....	766.35	282.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.28	
26 19 18 00-0006 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....	878.82	282.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.02	
26 19 18 00-0007 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....	898.05	282.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.14	
26 19 18 00-0008 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....	898.05	282.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.14	
<b>26 19 18 00-0009 17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting (26 19 18 00-0002)</b>		
26 19 18 00-0010 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting .....	653.49	225.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.42	
<b>26 19 18 00-0011 17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting (26 19 18 00-0002)</b>		
26 19 18 00-0012 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting .....	678.98	225.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.42	
<b>26 19 18 00-0013 Fuseholders (26 19 18 00-0002)</b>		
Note: Including current limiting fuse.		
26 19 18 00-0014 EA 15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	546.07	282.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.42	
26 19 18 00-0015 EA 25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	658.93	282.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.28	
26 19 18 00-0016 EA 40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	771.40	282.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.02	
26 19 18 00-0017 EA 100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	554.89	282.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.42	
26 19 18 00-0018 EA 200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	667.75	282.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.28	
26 19 18 00-0019 EA 15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	546.07	225.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.42	
<b>26 19 18 00-0020 Accessories (26 19 18 00-0002)</b>		
26 19 18 00-0021 EA Hot Line Clamp .....	82.73	25.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.93	
26 19 18 00-0022 EA Stirrup .....	90.82	25.39
<b>26 19 18 00-0023 Loadbreak Current Limiting Primary Fuse Cutouts (26 19 18 00-0001)</b>		
Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
<b>26 19 18 00-0024 8.3 KV-95 KV BIL Loadbreak Current Limiting (26 19 18 00-0023)</b>		
26 19 18 00-0025 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	851.94	282.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.42	
26 19 18 00-0026 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	964.80	282.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.28	
26 19 18 00-0027 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	1,077.27	282.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.02	
26 19 18 00-0028 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	1,115.00	282.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.14	
26 19 18 00-0029 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	1,115.00	282.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.14	
<b>26 19 18 00-0030 17.1 KV-95 KV BIL Loadbreak Current Limiting (26 19 18 00-0023)</b>		
26 19 18 00-0031 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting.....	851.94	225.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.42	
<b>26 19 18 00-0032 17.1 KV-125 KV BIL Loadbreak Current Limiting (26 19 18 00-0023)</b>		
26 19 18 00-0033 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting.....	851.94	225.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.42	
<b>26 19 18 00-0034 Fuseholders (26 19 18 00-0023)</b>		
Note: Includes current limiting fuses.		
26 19 18 00-0035 EA 15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....	555.17	282.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.42	
26 19 18 00-0036 EA 25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....	668.03	282.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.28	
26 19 18 00-0037 EA 40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....	780.50	282.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.02	
26 19 18 00-0038 EA 15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....	555.17	282.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.42	
<b>26 19 18 00-0039 Pole Mounted Capacitors (26 19 18 00-0023)</b>		
26 19 18 00-0040 EA Capacitors - Pole Mounted 6 KVAR.....	1,586.15	227.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**26 19 80 Transmission and Distribution Accessories (26 19)**

**26 19 80 60 Structure Assemblies (26 19 80)**

**26 19 80 60-0001 Pole Structure Assemblies (26 19 80 60)**

**26 19 80 60-0002 5 KV Pole Structure Assemblies (26 19 80 60-0001)**

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

26 19 80 60-0003	EA	Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	465.90	214.42
26 19 80 60-0004	EA	Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	777.94	361.11
26 19 80 60-0005	EA	Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	920.67	282.13
26 19 80 60-0006	EA	Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	531.41	146.71
26 19 80 60-0007	EA	Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	668.86	203.13
26 19 80 60-0008	EA	Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,155.64	406.25
26 19 80 60-0009	EA	Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	911.06	304.69
26 19 80 60-0010	EA	Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,648.36	609.39
26 19 80 60-0011	EA	Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,876.01	688.38
26 19 80 60-0012	EA	Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,033.51	338.54
26 19 80 60-0013	EA	Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	858.06	361.11
26 19 80 60-0014	EA	Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,596.27	733.52
26 19 80 60-0015	EA	Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,248.54	440.11
26 19 80 60-0016	EA	Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	768.96	315.97
26 19 80 60-0017	EA	Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,430.25	643.24
26 19 80 60-0018	EA	Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,155.51	327.26

**26 19 80 60-0019 15 KV Pole Structure Assemblies (26 19 80 60-0001)**

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

26 19 80 60-0020	EA	Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	491.39	214.42
26 19 80 60-0021	EA	Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	814.36	361.11
26 19 80 60-0022	EA	Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,044.48	282.13
26 19 80 60-0023	EA	Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	575.11	146.71
26 19 80 60-0024	EA	Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	730.76	191.85
26 19 80 60-0025	EA	Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,279.45	406.25
26 19 80 60-0026	EA	Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,002.09	304.69
26 19 80 60-0027	EA	Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,834.08	609.39
26 19 80 60-0028	EA	Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,127.27	688.38
26 19 80 60-0029	EA	Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,157.32	338.54
26 19 80 60-0030	EA	Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	905.39	361.11
26 19 80 60-0031	EA	Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,643.60	733.52
26 19 80 60-0032	EA	Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,343.22	440.11
26 19 80 60-0033	EA	Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	816.29	304.69
26 19 80 60-0034	EA	Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,477.58	643.24
26 19 80 60-0035	EA	Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,250.19	394.97

**26 19 80 60-0036 25 KV Pole Structure Assemblies (26 19 80 60-0001)**

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

26 19 80 60-0037	EA	Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,590.64	338.54
26 19 80 60-0038	EA	Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	984.46	169.28
26 19 80 60-0039	EA	Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,425.31	259.56
26 19 80 60-0040	EA	Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,820.76	530.39
26 19 80 60-0041	EA	Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,768.73	394.97
26 19 80 60-0042	EA	Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,810.68	778.66
26 19 80 60-0043	EA	Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,642.84	880.23
26 19 80 60-0044	EA	Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,879.02	513.47
26 19 80 60-0045	EA	Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,625.83	513.47

**26 19 80 60-0046 50 KV Pole Structure Assemblies (26 19 80 60-0001)**

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

26 19 80 60-0047	EA	Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,136.68	462.68
26 19 80 60-0048	EA	Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,167.96	236.99
26 19 80 60-0049	EA	Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,455.11	372.40
26 19 80 60-0050	EA	Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,720.88	756.09
26 19 80 60-0051	EA	Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,089.82	564.25
26 19 80 60-0052	EA	Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	4,001.20	1,128.49
26 19 80 60-0053	EA	Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	4,758.14	1,252.63
26 19 80 60-0054	EA	Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,434.90	609.39
26 19 80 60-0055	EA	Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,426.56	705.30
26 19 80 60-0056	EA	Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,343.58	665.81

**26 19 80 60-0057 Overhead To Underground Conversion Structures (26 19 80 60)**

Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.

**26 19 80 60-0058 5 KV Structures (26 19 80 60-0057)**

Note: Excludes pole.

26 19 80 60-0059	EA	(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	4,926.83	2,256.98
26 19 80 60-0060	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	4,926.83	2,256.98

<b>26</b>	<b>Electrical</b>
<b>26 10</b>	<b>Medium-Voltage Electrical Distribution</b>
<b>26 19</b>	<b>High-Voltage Circuit Protection</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 80 60-0061 EA (4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	4,926.83	2,256.98
26 19 80 60-0062 EA (4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles .....	4,926.83	2,256.98
<b>26 19 80 60-0063 15 KV Structures</b> <small>(26 19 80 60-0057)</small> Note: Excludes pole.		
26 19 80 60-0064 EA (3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles .....	5,098.17	2,256.98
26 19 80 60-0065 EA (3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles .....	5,098.17	2,256.98
26 19 80 60-0066 EA (4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles .....	5,098.17	2,256.98
26 19 80 60-0067 EA (4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles .....	5,098.17	2,256.98
<b>26 19 80 60-0068 25 KV Structures</b> <small>(26 19 80 60-0057)</small> Note: Excludes pole.		
26 19 80 60-0069 EA (3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles .....	5,285.08	2,256.98
26 19 80 60-0070 EA (3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles .....	5,285.08	2,256.98
26 19 80 60-0071 EA (4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles .....	5,285.08	2,256.98
26 19 80 60-0072 EA (4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles .....	5,285.08	2,256.98
<b>26 19 80 60-0073 Transformer Stations</b> <small>(26 19 80 60)</small> Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
<b>26 19 80 60-0074 5 KV Station</b> <small>(26 19 80 60-0073)</small>		
26 19 80 60-0075 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole .....	8,077.08	3,007.71
26 19 80 60-0076 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole.....	9,050.60	3,384.81
26 19 80 60-0077 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole .....	10,024.12	3,761.64
26 19 80 60-0078 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole .....	10,024.12	3,761.64
26 19 80 60-0079 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole.....	8,077.08	3,007.71
<b>26 19 80 60-0080 15 KV Stations</b> <small>(26 19 80 60-0073)</small>		
26 19 80 60-0081 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole.....	8,341.90	3,007.71
26 19 80 60-0082 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole.....	9,315.42	3,384.81
26 19 80 60-0083 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole.....	10,288.95	3,761.64
26 19 80 60-0084 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole.....	10,288.95	3,761.64
26 19 80 60-0085 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole.....	8,341.90	3,007.71
<b>26 19 80 60-0086 25 KV Stations</b> <small>(26 19 80 60-0073)</small>		
26 19 80 60-0087 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole.....	8,630.80	3,007.71
26 19 80 60-0088 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole.....	9,604.32	3,384.81
26 19 80 60-0089 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole.....	10,577.85	3,761.64
26 19 80 60-0090 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole .....	10,577.85	3,761.64
26 19 80 60-0091 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole.....	8,630.80	3,007.71
<b>26 20 Low-Voltage Electrical Distribution</b> <small>(26)</small>		
<b>26 21 Low-Voltage Electrical Service Entrance</b> <small>(26 20)</small> See CSI section 26 05 13 00-0000 for wire and cables.		
<b>26 21 13 Low-Voltage Overhead Electrical Service Entrance</b> <small>(26 21)</small>		
<b>26 21 13 00-0001 Service Drop Cable And Weatherheads</b> <small>(26 21 13)</small>		
<b>26 21 13 00-0002 600 Volt Insulated Stranded Conductors</b> <small>(26 21 13 00-0001)</small>		
<b>26 21 13 00-0003 Aluminum Duplex ACSR Neutral</b> <small>(26 21 13 00-0002)</small>		
26 21 13 00-0004 LF #6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	6.90	2.69
26 21 13 00-0005 LF #4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	8.23	3.18
26 21 13 00-0006 LF #2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	9.45	3.58
26 21 13 00-0007 LF 1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	12.20	4.52
<b>26 21 13 00-0008 Aluminum Triplex ACSR Neutral</b> <small>(26 21 13 00-0002)</small>		
26 21 13 00-0009 LF #6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	8.28	3.18
26 21 13 00-0010 LF #4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	9.40	3.58
26 21 13 00-0011 LF #2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	11.88	4.52
26 21 13 00-0012 LF 1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	14.65	5.50
26 21 13 00-0013 LF 2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	19.27	7.28
26 21 13 00-0014 LF 4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	24.18	9.03
26 21 13 00-0015 LF 336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	30.31	10.75
<b>26 21 13 00-0016 Aluminum Quadruplex ACSR Neutral</b> <small>(26 21 13 00-0002)</small>		
26 21 13 00-0017 LF #6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	9.41	3.58
26 21 13 00-0018 LF #4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	11.88	4.52
26 21 13 00-0019 LF #2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	15.27	5.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0020 LF 1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	19.52	7.28
26 21 13 00-0021 LF 2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	21.67	8.06
26 21 13 00-0022 LF 3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	24.61	9.03
26 21 13 00-0023 LF 4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	29.14	10.75
26 21 13 00-0024 LF 336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	34.05	11.88
<b>26 21 13 00-0025 Weatherproof Conduit Hubs (26 21 13 00-0002)</b>		
26 21 13 00-0026 EA 1/2" Weatherproof Conduit Hubs .....	45.24	16.91
26 21 13 00-0027 EA 3/4" Weatherproof Conduit Hubs .....	51.67	19.20
26 21 13 00-0028 EA 1" Weatherproof Conduit Hubs .....	60.63	21.51
26 21 13 00-0029 EA 1-1/4" Weatherproof Conduit Hubs .....	85.51	28.81
26 21 13 00-0030 EA 1-1/2" Weatherproof Conduit Hubs .....	94.48	31.12
26 21 13 00-0031 EA 2" Weatherproof Conduit Hubs .....	125.28	36.11
26 21 13 00-0032 EA 2-1/2" Weatherproof Conduit Hubs .....	169.77	40.72
26 21 13 00-0033 EA 3" Weatherproof Conduit Hubs .....	222.82	48.02
26 21 13 00-0034 EA 4" Weatherproof Conduit Hubs .....	386.06	96.04
<b>26 21 13 00-0035 Service Entrance Cap, Threaded Weatherhead, Galvanized (26 21 13 00-0002)</b>		
26 21 13 00-0036 EA 1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service.....	50.05	16.91
26 21 13 00-0037 EA 3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service.....	57.41	19.20
26 21 13 00-0038 EA 1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	65.78	21.51
26 21 13 00-0039 EA 1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service.....	88.40	28.81
26 21 13 00-0040 EA 1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service.....	100.10	31.12
26 21 13 00-0041 EA 2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service.....	131.93	36.11
26 21 13 00-0042 EA 2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service.....	223.69	40.72
26 21 13 00-0043 EA 3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service.....	254.50	48.02
26 21 13 00-0044 EA 4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service.....	416.96	96.04
<b>26 21 13 00-0045 Service Entrance Cap, Clamp-On Weatherhead, Aluminum (26 21 13 00-0002)</b>		
26 21 13 00-0046 EA 1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service.....	48.35	16.91
26 21 13 00-0047 EA 3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service.....	54.55	19.20
26 21 13 00-0048 EA 1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	61.91	21.42
26 21 13 00-0049 EA 1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service.....	82.28	28.81
26 21 13 00-0050 EA 1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service.....	91.84	31.12
26 21 13 00-0051 EA 2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service.....	108.33	36.11
26 21 13 00-0052 EA 2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service.....	179.42	40.72
26 21 13 00-0053 EA 3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service.....	232.24	48.02
26 21 13 00-0054 EA 3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service.....	326.56	72.03
26 21 13 00-0055 EA 4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service.....	390.46	96.04
<b>26 21 13 00-0056 Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) (26 21 13 00-0002)</b>		
26 21 13 00-0057 EA 1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service.....	47.28	16.91
26 21 13 00-0058 EA 3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service.....	54.17	19.20
26 21 13 00-0059 EA 1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	61.70	21.42
26 21 13 00-0060 EA 1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service.....	82.11	28.81
26 21 13 00-0061 EA 1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service.....	89.59	31.12
26 21 13 00-0062 EA 2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service.....	111.12	36.11
26 21 13 00-0063 EA 2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service.....	197.76	40.72
26 21 13 00-0064 EA 3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service.....	220.16	48.02
26 21 13 00-0065 EA 3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service .....	384.70	72.03
26 21 13 00-0066 EA 4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service.....	535.09	96.04
<b>26 21 16 Low-Voltage Underground Electrical Service Entrance (26 21)</b>		
<b>26 21 16 00-0001 Aluminum Triplex For Underground Service, Direct Burial (26 21 16)</b>		
Note: Excludes excavation and backfill.		
26 21 16 00-0002 MLF #6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial .....	2,896.13	1,003.12
26 21 16 00-0003 MLF #4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial .....	3,171.46	1,062.14
26 21 16 00-0004 MLF #2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial .....	3,537.03	1,128.49
26 21 16 00-0005 MLF 1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial .....	3,843.76	1,128.49
26 21 16 00-0006 MLF 2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial .....	4,191.20	1,203.77
26 21 16 00-0007 MLF 3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial .....	4,910.73	1,388.94
26 21 16 00-0008 MLF 4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial .....	6,191.36	1,805.99
<b>26 22 Low-Voltage Transformers (26 20)</b>		
<b>26 22 13 Low-Voltage Distribution Transformers (26 22)</b>		
<b>26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers (26 22 13)</b>		
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 22 13 00-0002		<b>480 Volt, 120/240 Volt, General Purpose Dry Type Transformers</b> (26 22 13 00-0001)			
		Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.			
26 22 13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	709.63		248.08
26 22 13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	920.35		297.70
26 22 13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,084.93		310.60
26 22 13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,250.84		322.50
26 22 13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,644.25		347.31
26 22 13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,909.98		372.13
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	58.29		
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	87.43		
26 22 13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,080.54		396.93
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	64.33		
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	96.50		
26 22 13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,092.54		446.54
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	59.97		
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	89.96		
26 22 13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,451.83		496.17
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	72.98		
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	109.46		
26 22 13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	3,169.17		595.39
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	98.92		
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	148.38		
26 22 13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	3,947.99		694.63
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	127.94		
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	191.91		
26 22 13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	6,030.34		893.09
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	212.21		
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	318.31		
26 22 13 00-0015	EA	250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	10,234.69		1,091.56
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	402.58		
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	603.87		
26 22 13 00-0016	EA	333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	15,470.83		1,240.41
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	649.50		
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	974.25		
26 22 13 00-0017		<b>240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers</b> (26 22 13 00-0001)			
		Note: 1-10 Percent x 2-5 percent FCBN taps.			
26 22 13 00-0018	EA	3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	821.01		297.70
26 22 13 00-0019	EA	5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	925.75		310.10
26 22 13 00-0020	EA	7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,072.90		322.50
26 22 13 00-0021	EA	10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,225.81		347.31
26 22 13 00-0022		<b>240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers</b> (26 22 13 00-0001)			
		Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.			
26 22 13 00-0023	EA	15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,909.98		372.13
26 22 13 00-0024	EA	25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,080.54		396.93
26 22 13 00-0025		<b>1 Phase Mounting Brackets</b> (26 22 13 00-0001)			
26 22 13 00-0026	EA	1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA.....	527.67		175.46
26 22 13 00-0027		<b>1 Phase Weathershields</b> (26 22 13 00-0001)			
		Note: Use with types DT-3 and DS-3.			
26 22 13 00-0028	EA	37.5 KVA 1 Phase Weathershields, Set Of 2.....	41.99		
26 22 13 00-0029	EA	50 KVA 1 Phase Weathershields, Set Of 2.....	53.53		
26 22 13 00-0030	EA	75 KVA 1 Phase Weathershields, Set Of 2.....	63.83		
26 22 13 00-0031	EA	100 KVA 1 Phase Weathershields, Set Of 2.....	76.15		
26 22 13 00-0032	EA	167 KVA 1 Phase Weathershields, Set Of 2.....	103.02		
26 22 13 00-0033	EA	250 KVA 1 Phase Weathershields, Set Of 2.....	123.18		
26 22 13 00-0034	EA	333 KVA 1 Phase Weathershields, Set Of 2.....	151.18		
26 22 13 00-0035		<b>Packaged Power Supply</b> (26 22 13 00-0001)			
		Note: 2-5 Percent FCBN taps.			
26 22 13 00-0036	EA	5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers.....	1,237.57		310.10
26 22 13 00-0037	EA	7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers.....	1,366.90		322.50
26 22 13 00-0038	EA	10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers.....	1,478.77		347.31
26 22 13 00-0039	EA	15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers.....	1,761.96		372.13
26 22 13 00-0040	EA	25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers.....	2,311.88		396.93
26 22 13 00-0041		<b>240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade</b> (26 22 13 00-0001)			
26 22 13 00-0042	EA	0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	911.27		223.28
26 22 13 00-0043	EA	1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,218.46		248.08
26 22 13 00-0044	EA	2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,429.66		297.70
26 22 13 00-0045	EA	5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,560.86		310.10





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0046	EA			7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer .....	1,731.24	322.50
26 22 13 00-0047	EA			10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer .....	2,161.61	347.31
26 22 13 00-0048	EA			15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer .....	2,724.10	372.13
<b>26 22 13 00-0049</b>				<b>1 Phase, 208/600 Volt, Dry General Purpose Transformer (26 22 13 00-0001)</b>		
26 22 13 00-0050	EA			15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry .....	3,264.24	372.13
26 22 13 00-0051	EA			25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry .....	3,397.39	396.93
26 22 13 00-0052	EA			30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry .....	3,539.42	421.74
26 22 13 00-0053	EA			37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry .....	4,555.57	446.54
26 22 13 00-0054	EA			45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry .....	4,741.63	471.35
26 22 13 00-0055	EA			50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry .....	6,184.60	496.17
<b>26 22 13 00-0056</b>				<b>3 Phase General Purpose "Dry Type" Transformer (26 22 13)</b>		
				Note: 60 Hz type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
<b>26 22 13 00-0057</b>				<b>Packaged Power Supply (26 22 13 00-0056)</b>		
				Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058	EA			15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers.....	5,092.69	1,066.75
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	147.96	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	221.94	
26 22 13 00-0059	EA			22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers.....	5,949.42	1,141.17
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	183.35	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	275.03	
26 22 13 00-0060	EA			30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers.....	6,980.27	1,240.41
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	224.97	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	337.46	
<b>26 22 13 00-0061</b>				<b>Drive Isolation Transformers (26 22 13 00-0056)</b>		
				Note: Only use in step-up applications.		
<b>26 22 13 00-0062</b>				<b>230 Volt Drive Isolation Transformers (26 22 13 00-0061)</b>		
26 22 13 00-0063	EA			7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,412.95	396.93
26 22 13 00-0064	EA			11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,952.43	421.74
26 22 13 00-0065	EA			15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,100.01	446.54
26 22 13 00-0066	EA			20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,785.79	471.35
26 22 13 00-0067	EA			27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,985.61	520.97
26 22 13 00-0068	EA			34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,479.33	570.59
26 22 13 00-0069	EA			40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,171.62	620.20
26 22 13 00-0070	EA			51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	7,155.17	694.63
26 22 13 00-0071	EA			63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	7,712.93	719.43
26 22 13 00-0072	EA			75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	8,821.95	744.24
26 22 13 00-0073	EA			93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,939.40	769.06
26 22 13 00-0074	EA			118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,356.56	942.71
26 22 13 00-0075	EA			145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	13,726.80	992.32
26 22 13 00-0076	EA			175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	15,635.23	1,041.95
26 22 13 00-0077	EA			220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	19,043.13	1,240.41
26 22 13 00-0078	EA			275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	25,059.66	1,463.68
26 22 13 00-0079	EA			330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	26,514.72	1,612.53
26 22 13 00-0080	EA			440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	32,122.43	1,786.19
26 22 13 00-0081	EA			550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	39,440.03	1,984.65
<b>26 22 13 00-0082</b>				<b>208V Drive Isolation Transformers (26 22 13 00-0061)</b>		
26 22 13 00-0083	EA			7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,546.26	396.93
26 22 13 00-0084	EA			11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,110.67	421.74
26 22 13 00-0085	EA			15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,263.24	446.54
26 22 13 00-0086	EA			20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,981.40	471.35
26 22 13 00-0087	EA			27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,186.34	520.97
26 22 13 00-0088	EA			30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,650.53	545.78
26 22 13 00-0089	EA			45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,472.22	645.01
26 22 13 00-0090	EA			51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	7,448.65	694.63
26 22 13 00-0091	EA			63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	8,032.28	719.43
26 22 13 00-0092	EA			75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	9,195.22	744.24
26 22 13 00-0093	EA			93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	11,417.92	769.06
26 22 13 00-0094	EA			118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,889.54	942.71
26 22 13 00-0095	EA			145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	14,324.48	992.32
26 22 13 00-0096	EA			175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	16,324.99	1,041.95
26 22 13 00-0097	EA			220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	19,886.16	1,240.41
<b>26 22 13 00-0098</b>				<b>480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps (26 22 13 00-0056)</b>		
26 22 13 00-0099	EA			9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	2,525.24	409.33
26 22 13 00-0100	EA			15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	3,234.72	446.54
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	117.08	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	175.62	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0101			<b>480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN</b>		
			<b>Taps</b> <small>(26 22 13 00-0056)</small>		
26 22 13 00-0102	EA		30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	3,663.77	545.78
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	128.61	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	192.92	
			<i>For K4 Factor Rating, Add</i>	1,800.55	
			<i>For K13 Factor Rating, Add</i>	2,572.21	
			<i>For K20 Factor Rating, Add</i>	3,343.87	
26 22 13 00-0103	EA		37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	4,370.19	595.39
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	158.97	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	238.46	
			<i>For K4 Factor Rating, Add</i>	2,225.58	
			<i>For K13 Factor Rating, Add</i>	3,179.40	
			<i>For K20 Factor Rating, Add</i>	4,133.22	
26 22 13 00-0104	EA		45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	4,587.86	645.01
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	164.89	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	247.34	
			<i>For K4 Factor Rating, Add</i>	2,308.49	
			<i>For K13 Factor Rating, Add</i>	3,297.84	
			<i>For K20 Factor Rating, Add</i>	4,287.19	
26 22 13 00-0105	EA		50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	5,896.67	694.63
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	225.37	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	338.06	
			<i>For K4 Factor Rating, Add</i>	3,155.19	
			<i>For K13 Factor Rating, Add</i>	4,507.42	
			<i>For K20 Factor Rating, Add</i>	5,859.65	
26 22 13 00-0106	EA		75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	5,864.52	744.24
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	218.80	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	328.20	
			<i>For K4 Factor Rating, Add</i>	3,063.22	
			<i>For K13 Factor Rating, Add</i>	4,376.03	
			<i>For K20 Factor Rating, Add</i>	5,688.84	
26 22 13 00-0107	EA		112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	7,272.05	893.09
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	274.29	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	411.44	
			<i>For K4 Factor Rating, Add</i>	3,840.10	
			<i>For K13 Factor Rating, Add</i>	5,485.86	
			<i>For K20 Factor Rating, Add</i>	7,131.62	
26 22 13 00-0108	EA		150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	9,300.88	992.32
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	365.81	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	548.72	
			<i>For K4 Factor Rating, Add</i>	5,121.36	
			<i>For K13 Factor Rating, Add</i>	7,316.23	
			<i>For K20 Factor Rating, Add</i>	9,511.10	
26 22 13 00-0109	EA		225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	12,589.56	1,240.41
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	505.44	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	758.16	
			<i>For K4 Factor Rating, Add</i>	7,076.13	
			<i>For K13 Factor Rating, Add</i>	10,108.75	
			<i>For K20 Factor Rating, Add</i>	13,141.38	
26 22 13 00-0110	EA		300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	15,367.68	1,538.10
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	614.57	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	921.86	
			<i>For K4 Factor Rating, Add</i>	8,604.04	
			<i>For K13 Factor Rating, Add</i>	12,291.48	
			<i>For K20 Factor Rating, Add</i>	15,978.92	
26 22 13 00-0111	EA		500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	21,769.72	1,885.42
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	899.94	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,349.92	
			<i>For K4 Factor Rating, Add</i>	12,599.22	
			<i>For K13 Factor Rating, Add</i>	17,998.89	
			<i>For K20 Factor Rating, Add</i>	23,398.56	
26 22 13 00-0112	EA		750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	48,468.10	2,281.41
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,195.17	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	3,292.76	
			<i>For K4 Factor Rating, Add</i>	30,732.38	
			<i>For K13 Factor Rating, Add</i>	43,903.40	
			<i>For K20 Factor Rating, Add</i>	57,074.42	
26 22 13 00-0113	EA		1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	63,413.31	2,480.81
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,922.58	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	4,383.88	
			<i>For K4 Factor Rating, Add</i>	40,916.18	
			<i>For K13 Factor Rating, Add</i>	58,451.68	
			<i>For K20 Factor Rating, Add</i>	75,987.18	
26 22 13 00-0114			<b>480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN</b>		
			<b>Taps</b> <small>(26 22 13 00-0056)</small>		
26 22 13 00-0115	EA		6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	2,099.15	384.53
			<i>For K4 Factor Rating, Add</i>	931.06	
			<i>For K13 Factor Rating, Add</i>	1,330.09	
			<i>For K20 Factor Rating, Add</i>	1,729.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0116 EA 9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	2,525.24 1,194.60 1,706.57 2,218.54	409.33
26 22 13 00-0117 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	3,234.72 117.08 175.62 1,639.14 2,341.63 3,044.12	446.54
<b>26 22 13 00-0118 480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps</b> <small>(26 22 13 00-0056)</small>		
26 22 13 00-0119 EA 30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	5,987.87 244.82 367.22 3,427.42 4,896.31 6,365.20	545.78
26 22 13 00-0120 EA 45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	6,738.64 272.43 408.65 3,814.03 5,448.62 7,083.21	645.01
26 22 13 00-0121 EA 75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	9,775.20 414.34 621.50 5,800.70 8,286.71 10,772.72	744.24
26 22 13 00-0122 EA 112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	12,238.69 522.63 783.94 7,316.75 10,452.50 13,588.25	893.09
26 22 13 00-0123 EA 150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	14,673.28 634.43 951.65 8,882.04 12,688.63 16,495.22	992.32
26 22 13 00-0124 EA 225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	18,783.24 815.12 1,222.68 11,411.70 16,302.43 21,193.16	1,240.41
26 22 13 00-0125 EA 300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	22,862.11 989.30 1,483.94 13,850.14 19,785.91 25,721.68	1,538.10
26 22 13 00-0126 EA 500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	36,268.12 1,624.86 2,437.30 22,748.10 32,497.29 42,246.48	1,885.42
<b>26 22 13 00-0127 3 Phase 60 Hz K20 Dry Type Transformers</b> <small>(26 22 13 00-0056)</small>		
<b>26 22 13 00-0128 3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise</b> <small>(26 22 13 00-0127)</small> Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0129 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	3,046.48	446.54
26 22 13 00-0130 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	4,502.64	545.78
26 22 13 00-0131 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	6,484.21	645.01
26 22 13 00-0132 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	8,221.70	744.24
26 22 13 00-0133 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	12,172.50	893.09
26 22 13 00-0134 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	14,731.20	992.32
26 22 13 00-0135 EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	17,200.78	1,240.41
26 22 13 00-0136 EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	26,976.50	1,538.10
<b>26 22 13 00-0137 3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise</b> <small>(26 22 13 00-0127)</small> Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	3,478.81	446.54
26 22 13 00-0139 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	5,185.27	545.78
26 22 13 00-0140 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	7,522.63	645.01
26 22 13 00-0141 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	9,566.27	744.24
26 22 13 00-0142 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	14,249.35	893.09
26 22 13 00-0143 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	17,281.75	992.32

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0144	EA		225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	20,144.36	1,240.41
26 22 13 00-0145	EA		300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	31,756.97	1,538.10
26 22 13 00-0146			<b>NEMA Premium Efficient Dry Type Transformers</b> (26 22 13 00-0056)		
26 22 13 00-0147			<b>Aluminum Windings, NEMA Premium Efficient Dry Type Transformers</b> (26 22 13 00-0146)		
			Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0148			<b>150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers</b> (26 22 13 00-0147)		
26 22 13 00-0149	EA		15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,092.26	446.36
26 22 13 00-0150	EA		30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,772.06	545.56
26 22 13 00-0151	EA		45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,547.16	644.75
26 22 13 00-0152	EA		75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,103.83	743.93
26 22 13 00-0153	EA		112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,164.96	892.73
26 22 13 00-0154	EA		150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	10,155.82	991.92
26 22 13 00-0155	EA		225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	13,464.12	1,239.90
26 22 13 00-0156	EA		300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	18,951.33	1,537.47
26 22 13 00-0157			<b>115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers</b> (26 22 13 00-0147)		
26 22 13 00-0158	EA		15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,754.04	446.36
26 22 13 00-0159	EA		30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,573.68	545.56
26 22 13 00-0160	EA		45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,524.67	644.75
26 22 13 00-0161	EA		75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,488.84	743.93
26 22 13 00-0162	EA		112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,594.50	892.73
26 22 13 00-0163	EA		150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,607.42	991.92
26 22 13 00-0164	EA		225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	16,759.63	1,239.90
26 22 13 00-0165	EA		300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	23,714.24	1,537.47
26 22 13 00-0166			<b>80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers</b> (26 22 13 00-0147)		
26 22 13 00-0167	EA		15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,413.15	446.36
26 22 13 00-0168	EA		30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,377.52	545.56
26 22 13 00-0169	EA		45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,502.20	644.75
26 22 13 00-0170	EA		75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,871.62	743.93
26 22 13 00-0171	EA		112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	11,398.13	892.73
26 22 13 00-0172	EA		150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	15,059.02	991.92
26 22 13 00-0173	EA		225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	20,055.15	1,239.90
26 22 13 00-0174	EA		300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	28,477.15	1,537.47
26 22 13 00-0175			<b>Copper Windings, NEMA Premium Efficient Dry Type Transformers</b> (26 22 13 00-0146)		
			Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0176			<b>150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers</b> (26 22 13 00-0175)		
26 22 13 00-0177	EA		15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,192.70	446.36
26 22 13 00-0178	EA		30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,110.31	545.56
26 22 13 00-0179	EA		45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,174.87	644.75
26 22 13 00-0180	EA		75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,410.69	743.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0181 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	11,424.84	892.73
26 22 13 00-0182 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	14,326.43	991.92
26 22 13 00-0183 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	19,068.72	1,239.90
26 22 13 00-0184 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	27,054.29	1,537.47
<b>26 22 13 00-0185 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)</b>		
26 22 13 00-0186 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,851.81	446.36
26 22 13 00-0187 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,914.16	545.56
26 22 13 00-0188 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,152.40	644.75
26 22 13 00-0189 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,795.70	743.93
26 22 13 00-0190 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	14,934.13	892.73
26 22 13 00-0191 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	18,837.72	991.92
26 22 13 00-0192 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	24,047.63	1,239.90
26 22 13 00-0193 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	35,847.53	1,537.47
<b>26 22 13 00-0194 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)</b>		
26 22 13 00-0195 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,513.13	446.36
26 22 13 00-0196 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,717.99	545.56
26 22 13 00-0197 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,129.91	644.75
26 22 13 00-0198 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	11,178.48	743.93
26 22 13 00-0199 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	17,753.14	892.73
26 22 13 00-0200 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	22,928.18	991.92
26 22 13 00-0201 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	29,024.30	1,239.90
26 22 13 00-0202 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	42,870.54	1,537.47
<b>26 22 13 00-0203 3 Phase Weathershields (26 22 13 00-0056)</b>		
Note: Use with type DT-3 and DS-3.		
26 22 13 00-0204 EA 45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2 .....	568.86	
26 22 13 00-0205 EA 150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2 .....	966.02	
26 22 13 00-0206 EA 500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2 .....	966.02	
<b>26 22 13 00-0207 Three Phase Mounting Brackets (26 22 13 00-0056)</b>		
26 22 13 00-0208 EA 3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA .....	654.59	175.46
<b>26 22 13 00-0209 Pad Mounted Commercial Type Distribution Transformers UL Listed (26 22 13)</b>		
<b>26 22 13 00-0210 Distribution 3 Phase Oil Filled Transformer (26 22 13 00-0209)</b>		
Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
<b>26 22 13 00-0211 Factory Modifications (26 22 13 00-0210)</b>		
Note: For use with series 4100 3 phase transformers.		
26 22 13 00-0212 EA Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification .....	1,042.36	
26 22 13 00-0213 EA Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification .....	169.50	
26 22 13 00-0214 EA Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification.....	677.99	
26 22 13 00-0215 EA Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification .....	1,953.34	
26 22 13 00-0216 EA Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification .....	239.29	
26 22 13 00-0217 EA Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification .....	189.44	
<b>26 22 13 00-0218 Accessories For Transformer Liquid Containment Area (26 22 13 00-0210)</b>		
Note: Reinforced concrete curb with 6" slab.		
26 22 13 00-0219 EA Containment Area For 75 KVA .....	5,440.45	2,012.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		1,341.99

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0220 EA Containment Area For 112.5 KVA..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,440.45 1,341.99	2,012.95
26 22 13 00-0221 EA Containment Area For 150 KVA..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,440.45 1,341.99	2,012.95
26 22 13 00-0222 EA Containment Area For 225 KVA..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,440.45 1,341.99	2,012.95
26 22 13 00-0223 EA Containment Area For 300 KVA..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,433.23 1,339.83	2,012.95
26 22 13 00-0224 EA Containment Area For 500 KVA..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,433.23 1,339.83	2,012.95
26 22 13 00-0225 EA Containment Area For 750 KVA..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,461.15 1,339.83	2,012.95
26 22 13 00-0226 EA Containment Area For 1,000 KVA..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,865.95 1,339.83	2,012.95
<b>26 22 13 00-0227 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL</b> <small>(26 22 13 00-0210)</small> Note: Rated to 5 KVA.		
26 22 13 00-0228 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,191.48	1,190.30
26 22 13 00-0229 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,789.70	1,190.30
26 22 13 00-0230 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,188.53	1,190.30
26 22 13 00-0231 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	9,384.99	1,190.30
26 22 13 00-0232 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	10,383.70	1,785.46
26 22 13 00-0233 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	10,782.52	1,785.46
26 22 13 00-0234 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	15,568.36	1,785.46
26 22 13 00-0235 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	19,966.45	2,380.61
26 22 13 00-0236 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	25,151.11	2,380.61
<b>26 22 13 00-0237 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL</b> <small>(26 22 13 00-0210)</small> Note: Rated to 5 KVA.		
26 22 13 00-0238 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,390.89	1,190.30
26 22 13 00-0239 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,188.53	1,190.30
26 22 13 00-0240 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,387.94	1,190.30
26 22 13 00-0241 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,587.35	1,190.30
26 22 13 00-0242 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	10,383.70	1,785.46
26 22 13 00-0243 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	11,181.34	1,785.46
26 22 13 00-0244 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	15,568.36	1,785.46
26 22 13 00-0245 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	20,165.85	2,380.61
26 22 13 00-0246 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	25,151.11	2,380.61
<b>26 22 13 00-0247 Primary 5 KV Or 15 KV, Secondary 277/480 Volt</b> <small>(26 22 13 00-0209)</small> Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0248 EA 150 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	25,927.25	1,619.84
26 22 13 00-0249 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	28,414.17	1,912.25
26 22 13 00-0250 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	32,033.59	2,337.20
26 22 13 00-0251 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	38,058.12	2,629.62
26 22 13 00-0252 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	46,472.99	2,767.93
26 22 13 00-0253 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	56,672.94	4,044.35
26 22 13 00-0254 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	66,549.75	4,575.53
26 22 13 00-0255 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	83,021.28	5,259.22
26 22 13 00-0256 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	91,630.34	5,522.18
26 22 13 00-0257 EA 3,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	96,899.21	6,153.50
26 22 13 00-0258 EA 3,750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	111,051.56	6,574.24
<b>26 22 13 00-0259 Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled</b> <small>(26 22 13 00-0209)</small>		
26 22 13 00-0260 EA 1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	46,178.11	4,420.49
26 22 13 00-0261 EA 2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	56,533.84	5,083.58
26 22 13 00-0262 EA 2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	63,933.50	5,351.10
26 22 13 00-0263 EA 3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	68,147.10	5,980.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0264 EA 3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	75,959.85	6,161.89
<b>26 22 13 00-0265 Silicone Filled Distribution Transformers, 3 Phase</b> <small>(26 22 13 00-0209)</small>		
<small>Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.</small>		
26 22 13 00-0266 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	44,211.77	1,912.25
26 22 13 00-0267 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	47,640.37	2,337.20
26 22 13 00-0268 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	55,755.20	2,629.62
26 22 13 00-0269 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	67,305.52	2,767.93
26 22 13 00-0270 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	81,134.13	4,044.35
26 22 13 00-0271 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	102,801.16	4,575.53
26 22 13 00-0272 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	124,897.72	5,259.22
26 22 13 00-0273 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	142,563.26	5,522.18
<b>26 22 13 00-0274 Foam Core Poly Transformer Pads</b> <small>(26 22 13)</small>		
26 22 13 00-0275 EA Single Phase Foam Core Poly Pads.....	182.54	34.53
<small>Note: Excludes site prep.</small>		
<b>26 24 Switchboards and Panelboards</b> <small>(26 20)</small>		
<b>26 24 13 Switchboards</b> <small>(26 24)</small>		
<small>Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.</small>		
<b>26 24 13 00-0001 Fusible Switch Type 240 Volt, 3 Phase, 3 Wire</b> <small>(26 24 13)</small>		
<b>26 24 13 00-0002 Incoming Service Section Main Device Only</b> <small>(26 24 13 00-0001)</small>		
<small>Note: Copper bus, non-metering type, with fuses.</small>		
26 24 13 00-0003 EA 400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	3,656.54	840.07
26 24 13 00-0004 EA 600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	4,060.92	888.57
26 24 13 00-0005 EA 800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	6,703.72	1,007.95
26 24 13 00-0006 EA 1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	7,223.07	1,080.55
26 24 13 00-0007 EA 1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	11,786.90	1,152.10
26 24 13 00-0008 EA 2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	13,164.61	1,225.00
26 24 13 00-0009 EA 400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	4,486.96	840.07
26 24 13 00-0010 EA 600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	5,811.03	888.57
26 24 13 00-0011 EA 800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	8,177.59	1,008.81
26 24 13 00-0012 EA 1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	11,287.58	1,080.55
26 24 13 00-0013 EA 1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	11,786.90	1,153.26
26 24 13 00-0014 EA 2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	13,164.61	1,225.00
26 24 13 00-0015 EA 2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	15,887.71	1,280.70
26 24 13 00-0016 EA 3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	18,033.78	1,372.04
26 24 13 00-0017 EA 4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	21,336.82	1,479.03
26 24 13 00-0018 EA 400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,422.80	744.32
26 24 13 00-0019 EA 600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,687.97	792.43
26 24 13 00-0020 EA 800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,077.21	912.19
26 24 13 00-0021 EA 1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,327.23	950.52
26 24 13 00-0022 EA 1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,553.09	984.81
26 24 13 00-0023 EA 1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,901.76	1,055.88
26 24 13 00-0024 EA 2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,220.73	1,128.29
<b>26 24 13 00-0025 Branch Breaker Units</b> <small>(26 24 13 00-0001)</small>		
<small>Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.</small>		
26 24 13 00-0026 EA 15 To 60 Amperes, 240 Volt, MC Branch Breaker .....	328.09	29.29
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	17.57	
26 24 13 00-0027 EA 70 To 100 Amperes, 240 Volt, MC Branch Breaker .....	479.62	46.10
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	27.66	
26 24 13 00-0028 EA 125 To 225 Amperes, 240 Volt, MC Branch Breaker.....	1,301.68	84.03
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	50.42	
26 24 13 00-0029 EA 100 To 400 Amperes, 240 Volt, MC Branch Breaker.....	2,324.49	109.49
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	65.69	
26 24 13 00-0030 EA 300 To 600 Amperes, 240 Volt, MC Branch Breaker.....	4,115.45	268.91
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	161.32	
26 24 13 00-0031 EA 400 To 800 Amperes, 240 Volt, MC Branch Breaker.....	6,643.76	268.91
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	161.32	
26 24 13 00-0032 EA 600 To 1,200 Amperes, 240 Volt, MC Branch Breaker.....	10,756.75	479.25
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	287.55	
<b>26 24 13 00-0033 Fusible Switch Type 480 Volt, 3 Phase, 3 Wire</b> <small>(26 24 13)</small>		
<b>26 24 13 00-0034 Incoming Service Section Main Device Only</b> <small>(26 24 13 00-0033)</small>		
<small>Note: Copper bus, non-metering type, with fuses.</small>		
26 24 13 00-0035 EA 400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	5,189.79	1,090.06
26 24 13 00-0036 EA 600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	5,816.69	1,090.06
26 24 13 00-0037 EA 800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	8,773.15	1,416.60
26 24 13 00-0038 EA 1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	9,969.96	1,416.60



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 24 13 00-0039	<b>Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire</b> <small>(26 24 13)</small>		
26 24 13 00-0040	<b>Incoming Service Section Main Device Only</b> <small>(26 24 13 00-0039)</small>		
	Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	3,294.24 744.32
26 24 13 00-0042	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	3,680.25 792.43
26 24 13 00-0043	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	5,740.76 912.19
26 24 13 00-0044	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	6,239.74 984.04
26 24 13 00-0045	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker .....	4,082.54 744.32
26 24 13 00-0046	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker .....	5,206.33 792.43
26 24 13 00-0047	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker .....	7,378.02 912.19
26 24 13 00-0048	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker .....	10,705.13 984.04
26 24 13 00-0049	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker .....	12,584.87 1,104.47
26 24 13 00-0050	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug .....	2,263.31 648.18
26 24 13 00-0051	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug .....	2,546.54 696.39
26 24 13 00-0052	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug .....	2,989.88 816.16
26 24 13 00-0053	EA	1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug .....	3,226.58 854.47
26 24 13 00-0054	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug .....	3,456.59 888.57
26 24 13 00-0055	EA	1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug .....	3,755.58 950.52
26 24 13 00-0056	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug .....	4,049.06 1,007.95
26 24 13 00-0057	EA	2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug .....	5,027.33 1,248.53
26 24 13 00-0058	EA	3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug .....	5,636.63 1,368.59
26 24 13 00-0059	EA	4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug .....	6,677.74 1,476.63
26 24 13 00-0060	<b>Branch Breaker Units</b> <small>(26 24 13 00-0039)</small>		
	Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0061	EA	15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker .....	173.19 25.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.27
26 24 13 00-0062	EA	70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker .....	274.52 42.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.36
26 24 13 00-0063	EA	125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker .....	859.27 59.06
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.44
26 24 13 00-0064	EA	100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker .....	2,501.50 75.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.52
26 24 13 00-0065	EA	300 To 600 Amperes, 120/240 Volt, MC Branch Breaker .....	3,918.80 184.88
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.92
26 24 13 00-0066	EA	400 To 800 Amperes, 120/240 Volt, MC Branch Breaker .....	5,596.48 184.88
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.92
26 24 13 00-0067	EA	600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker .....	9,212.29 352.95
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	211.79
26 24 13 00-0068	<b>Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire</b> <small>(26 24 13)</small>		
26 24 13 00-0069	<b>Incoming Service Section Main Device Only</b> <small>(26 24 13 00-0068)</small>		
	Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	3,657.72 840.07
26 24 13 00-0071	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	4,059.61 888.57
26 24 13 00-0072	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	6,702.02 1,007.95
26 24 13 00-0073	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	7,221.13 1,080.55
26 24 13 00-0074	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	11,782.47 1,152.10
26 24 13 00-0075	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	13,164.61 1,225.00
26 24 13 00-0076	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	4,488.14 840.07
26 24 13 00-0077	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	5,809.72 888.57
26 24 13 00-0078	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	8,177.59 1,008.81
26 24 13 00-0079	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	11,285.64 1,080.55
26 24 13 00-0080	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	11,784.67 1,153.26
26 24 13 00-0081	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	13,164.61 1,225.00
26 24 13 00-0082	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	2,554.78 744.32
26 24 13 00-0083	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	2,870.04 792.43
26 24 13 00-0084	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	3,350.57 912.19
26 24 13 00-0085	EA	1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	3,615.78 950.52
26 24 13 00-0086	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	3,873.05 984.81
26 24 13 00-0087	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	4,208.82 1,055.88
26 24 13 00-0088	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	4,549.10 1,128.29
26 24 13 00-0089	EA	2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	5,419.68 1,282.15
26 24 13 00-0090	EA	3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	6,012.71 1,371.95
26 24 13 00-0091	EA	4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	7,149.32 1,474.23
26 24 13 00-0092	<b>Branch Breaker Units</b> <small>(26 24 13 00-0068)</small>		
	Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0093	EA	15 To 60 Amperes, 120/208 Volt, MC Branch Breaker .....	328.09 29.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.57
26 24 13 00-0094	EA	70 To 100 Amperes, 120/208 Volt, MC Branch Breaker .....	479.62 46.10
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.66
26 24 13 00-0095	EA	125 To 225 Amperes, 120/208 Volt, MC Branch Breaker .....	1,301.68 84.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.42





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0096 EA 100 To 400 Amperes, 120/208 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,324.49 65.69	109.49
26 24 13 00-0097 EA 300 To 600 Amperes, 120/208 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,115.45 161.32	268.91
26 24 13 00-0098 EA 400 To 800 Amperes, 120/208 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,643.76 161.32	268.91
26 24 13 00-0099 EA 600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,756.75 287.55	479.25
<b>26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire (26 24 13)</b>		
<b>26 24 13 00-0101 Incoming Service Section Main Device Only (26 24 13 00-0100)</b> Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102 EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	4,719.71	1,152.10
26 24 13 00-0103 EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	5,193.94	1,225.00
26 24 13 00-0104 EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	7,516.71	1,367.33
26 24 13 00-0105 EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	8,227.26	1,464.04
26 24 13 00-0106 EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	6,129.56	1,152.10
26 24 13 00-0107 EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	8,353.91	1,225.00
26 24 13 00-0108 EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	9,472.08	1,368.87
26 24 13 00-0109 EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	12,052.58	1,464.04
26 24 13 00-0110 EA 1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	12,600.49	1,561.15
26 24 13 00-0111 EA 2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	14,030.92	1,658.15
26 24 13 00-0112 EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,554.78	744.32
26 24 13 00-0113 EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,870.04	792.43
26 24 13 00-0114 EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,350.57	912.19
26 24 13 00-0115 EA 1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,615.78	950.52
26 24 13 00-0116 EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,873.05	984.81
26 24 13 00-0117 EA 1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,208.82	1,055.88
26 24 13 00-0118 EA 2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,549.10	1,128.29
<b>26 24 13 00-0119 Branch Breaker Units (26 24 13 00-0100)</b> Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120 EA 15 To 60 Amperes, 480/277 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	690.24 17.57	29.29
26 24 13 00-0121 EA 70 To 100 Amperes, 480/277 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	791.23 27.66	46.10
26 24 13 00-0122 EA 125 To 225 Amperes, 480/277 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,434.75 50.42	84.03
26 24 13 00-0123 EA 100 To 400 Amperes, 480/277 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,324.49 65.69	109.49
26 24 13 00-0124 EA 300 To 600 Amperes, 480/277 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,567.41 161.32	268.91
26 24 13 00-0125 EA 400 To 800 Amperes, 480/277 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,697.11 161.32	268.91
26 24 13 00-0126 EA 600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,124.55 287.55	479.25
<b>26 24 13 00-0127 Fusible Branch Circuit Switch (26 24 13)</b> Note: Includes switch fuses, and portion of distribution section occupied by that branch device.		
<b>26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units (26 24 13 00-0127)</b>		
26 24 13 00-0129 EA 30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	695.14 294.47	75.39
26 24 13 00-0130 EA 30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	692.62 294.47	75.39
26 24 13 00-0131 EA 60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	692.62 294.47	75.39
26 24 13 00-0132 EA 60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,093.75 294.47	99.41
26 24 13 00-0133 EA 100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,093.75 294.47	99.41
<b>26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units (26 24 13 00-0127)</b>		
26 24 13 00-0135 EA 100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	799.52 282.09	73.96
26 24 13 00-0136 EA 200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,177.80 282.09	73.96
26 24 13 00-0137 EA 400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit.....	3,024.03	199.29
<b>26 24 13 00-0138 240 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)</b>		
26 24 13 00-0139 EA 30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	894.92 294.47	85.00
26 24 13 00-0140 EA 30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	892.40 294.47	85.00
26 24 13 00-0141 EA 60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	892.40 294.47	85.00

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 24</b>	<b>Switchboards and Panelboards</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	13 00-0142	EA	60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,349.36	113.81
			<i>For Electrical Interlock Kit, Add</i>	294.47	
26 24	13 00-0143	EA	100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,349.36	113.81
			<i>For Electrical Interlock Kit, Add</i>	294.47	
<b>26 24</b>	<b>13 00-0144</b>		<b>240 Volt, 3 Pole Single Branch Switch Units (26 24 13 00-0127)</b>		
26 24	13 00-0145	EA	100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	970.48	83.55
			<i>For Electrical Interlock Kit, Add</i>	294.47	
26 24	13 00-0146	EA	200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	1,587.14	83.55
			<i>For Electrical Interlock Kit, Add</i>	282.09	
26 24	13 00-0147	EA	400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	4,065.67	223.10
26 24	13 00-0148	EA	600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	5,817.65	285.82
26 24	13 00-0149	EA	800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	10,879.62	387.24
<b>26 24</b>	<b>13 00-0150</b>		<b>600 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)</b>		
26 24	13 00-0151	EA	30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,276.78	85.00
			<i>For Electrical Interlock Kit, Add</i>	294.47	
26 24	13 00-0152	EA	30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,274.22	85.00
			<i>For Electrical Interlock Kit, Add</i>	294.47	
26 24	13 00-0153	EA	60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,276.78	85.00
			<i>For Electrical Interlock Kit, Add</i>	294.47	
26 24	13 00-0154	EA	60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,925.52	113.81
			<i>For Electrical Interlock Kit, Add</i>	294.47	
26 24	13 00-0155	EA	100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,968.16	113.81
			<i>For Electrical Interlock Kit, Add</i>	294.47	
26 24	13 00-0156	EA	200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	4,223.90	148.87
			<i>For Electrical Interlock Kit, Add</i>	294.47	
<b>26 24</b>	<b>13 00-0157</b>		<b>600 Volt, 3 Pole, Single Branch Switch Units (26 24 13 00-0127)</b>		
26 24	13 00-0158	EA	100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit.....	1,381.75	83.55
			<i>For Electrical Interlock Kit, Add</i>	294.47	
26 24	13 00-0159	EA	200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit.....	2,109.26	83.55
			<i>For Electrical Interlock Kit, Add</i>	282.09	
26 24	13 00-0160	EA	400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit.....	5,124.77	223.10
			<i>For Electrical Interlock Kit, Add</i>	282.09	
26 24	13 00-0161	EA	600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit.....	6,218.52	285.82
26 24	13 00-0162	EA	800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit.....	10,879.62	387.24
<b>26 24</b>	<b>13 00-0163</b>		<b>Service And Distribution Structures (26 24 13)</b>		
<b>26 24</b>	<b>13 00-0164</b>		<b>Distribution Section 600 Volt, 250 Volt DC (26 24 13 00-0163)</b>		
<b>26 24</b>	<b>13 00-0165</b>		<b>600 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)</b>		
26 24	13 00-0166	EA	14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	2,343.32	883.57
26 24	13 00-0167	EA	24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	2,817.24	883.57
26 24	13 00-0168	EA	34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,136.90	1,123.67
26 24	13 00-0169	EA	42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,447.16	1,123.67
<b>26 24</b>	<b>13 00-0170</b>		<b>800 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)</b>		
26 24	13 00-0171	EA	14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	2,625.68	1,022.83
26 24	13 00-0172	EA	24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,087.33	1,022.83
26 24	13 00-0173	EA	34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,447.16	1,267.74
26 24	13 00-0174	EA	42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,725.89	1,267.74
<b>26 24</b>	<b>13 00-0175</b>		<b>1,200 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)</b>		
26 24	13 00-0176	EA	14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,062.69	1,248.53
26 24	13 00-0177	EA	24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,534.83	1,248.53
26 24	13 00-0178	EA	34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,916.45	1,536.66
26 24	13 00-0179	EA	42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,324.78	1,536.66
<b>26 24</b>	<b>13 00-0180</b>		<b>1,600 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)</b>		
26 24	13 00-0181	EA	14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,843.37	1,368.59
26 24	13 00-0182	EA	24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,399.45	1,368.59
26 24	13 00-0183	EA	34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,850.69	1,690.32
26 24	13 00-0184	EA	42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,206.40	1,690.32
<b>26 24</b>	<b>13 00-0185</b>		<b>2,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)</b>		
26 24	13 00-0186	EA	14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,021.43	1,373.38
26 24	13 00-0187	EA	24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,619.33	1,546.26
26 24	13 00-0188	EA	34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,727.57	1,546.26
26 24	13 00-0189	EA	42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,916.02	1,632.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 24 13 00-0190</b> <b>3,000 Amperes, 4 Wire, Main Bus</b> <small>(26 24 13 00-0164)</small>		
26 24 13 00-0191     EA     24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,648.35	1,546.26
26 24 13 00-0192     EA     34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,754.96	1,546.26
26 24 13 00-0193     EA     42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,943.41	1,632.69
<b>26 24 13 00-0194</b> <b>4,000 Amperes, 4 Wire, Main Bus</b> <small>(26 24 13 00-0164)</small>		
26 24 13 00-0195     EA     24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,771.47	1,632.69
26 24 13 00-0196     EA     34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,943.41	1,632.69
26 24 13 00-0197     EA     42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,011.47	1,632.69
<b>26 24 13 00-0198</b> <b>Pull Boy, Horizontal Mounted Across Top Of Switch Board</b> <small>(26 24 13 00-0164)</small>		
26 24 13 00-0199     EA     18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard.....	520.93	115.25
26 24 13 00-0200     EA     Drilled Bottom For Pull Boy.....	586.85	115.25
26 24 13 00-0201     EA     Cable Supports In Pull Box.....	214.90	28.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		16.01
<b>26 24 13 00-0202</b> <b>Underground Pull Sections</b> <small>(26 24 13 00-0164)</small>		
<i>Note: Excludes no bus or terminal.</i>		
26 24 13 00-0203     EA     12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal .....	499.61	134.46
26 24 13 00-0204     EA     24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal.....	876.48	172.87
26 24 13 00-0205     EA     24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal.....	876.48	172.87
26 24 13 00-0206     EA     14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	652.10	134.46
26 24 13 00-0207     EA     28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	940.79	196.88
26 24 13 00-0208     EA     14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal .....	1,070.69	196.88
26 24 13 00-0209     EA     26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal .....	1,118.38	254.51
26 24 13 00-0210     EA     38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,176.49	254.51
<b>26 24 13 00-0211</b> <b>Switchboard Sections</b> <small>(26 24 13 00-0163)</small>		
26 24 13 00-0212     EA     600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	4,074.10	800.31
26 24 13 00-0213     EA     800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	4,464.21	869.94
26 24 13 00-0214     EA     1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	5,592.75	1,111.58
26 24 13 00-0215     EA     1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	6,117.48	1,212.61
26 24 13 00-0216     EA     2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	6,524.87	1,290.88
26 24 13 00-0217     EA     400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section .....	4,917.08	702.06
26 24 13 00-0218     EA     200 Amperes, Distribution Section Subfeeder Lug-Rated .....	2,724.75	666.91
26 24 13 00-0219     EA     400 Amperes, Distribution Section Subfeeder Lug-Rated .....	3,023.63	723.19
26 24 13 00-0220     EA     120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus.....	7,256.34	800.31
26 24 13 00-0221     EA     800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker .....	7,773.78	802.42
26 24 13 00-0222     EA     1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker .....	8,526.63	895.87
26 24 13 00-0223     EA     15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	149.38	48.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		29.33
26 24 13 00-0224     EA     70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	182.87	48.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		34.65
26 24 13 00-0225     EA     70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame .....	886.87	57.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		74.64
26 24 13 00-0226     EA     125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame.....	1,479.22	124.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		103.94
26 24 13 00-0227     EA     100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker .....	580.05	173.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		60.03
26 24 13 00-0228     EA     225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker .....	1,682.68	100.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		74.64
<b>26 24 13 00-0229</b> <b>Switchboard, Structure Per Section Copper, 480 Volt</b> <small>(26 24 13 00-0163)</small>		
26 24 13 00-0230     EA     225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	2,111.44	416.81
26 24 13 00-0231     EA     400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	3,011.72	563.66
26 24 13 00-0232     EA     600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	3,363.65	686.02
26 24 13 00-0233     EA     800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	4,215.14	960.41
26 24 13 00-0234     EA     1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	5,220.37	1,200.51
26 24 13 00-0235     EA     1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	5,788.26	1,200.51
26 24 13 00-0236     EA     2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	7,112.29	1,600.72
26 24 13 00-0237     EA     2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	8,201.19	1,600.72
26 24 13 00-0238     EA     3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	9,637.37	1,905.55
26 24 13 00-0239     EA     4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	11,641.05	1,905.55
<b>26 24 13 00-0240</b> <b>Main Devices</b> <small>(26 24 13)</small>		
<b>26 24 13 00-0241</b> <b>Power Circuit Breakers</b> <small>(26 24 13 00-0240)</small>		
<b>26 24 13 00-0242</b> <b>DSL Breaker With Current Limiters And Amptector</b> <small>(26 24 13 00-0241)</small>		
<i>Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.</i>		
26 24 13 00-0243     EA     50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip.....	7,540.50	1,008.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		603.78
26 24 13 00-0244     EA     50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip.....	13,804.89	1,680.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		1,007.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0245 EA 1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip .....	31,375.39	2,823.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,679.04</i>	
26 24 13 00-0246 EA 4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip .....	50,502.30	4,571.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2,791.89</i>	
26 24 13 00-0247 EA Ground-Fault Trip All Power Breakers - Factory Installed.....	2,726.80	
26 24 13 00-0248 EA Key Interlock All Power Breakers - Factory Installed .....	352.16	
26 24 13 00-0249 EA Short Time Delay Selective Trip - Factory Installed .....	462.01	
26 24 13 00-0250 EA Shunt Trip Manually Open Breakers - Factory Installed.....	332.77	
<b>26 24 13 00-0251 DSL Breaker Electrical Operated And Amptector</b> <small>(26 24 13 00-0241)</small>		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252 EA 50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip .....	8,868.84	1,056.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>636.88</i>	
26 24 13 00-0253 EA 50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip .....	16,533.64	1,776.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,060.83</i>	
26 24 13 00-0254 EA 1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip .....	35,306.20	2,929.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,765.46</i>	
26 24 13 00-0255 EA 4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip .....	54,418.92	4,802.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2,952.08</i>	
<b>26 24 13 00-0256 DS Breakers With Amptector Static Trip, Manually Operated</b> <small>(26 24 13 00-0241)</small>		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257 EA 50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip .....	5,966.22	921.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>554.08</i>	
26 24 13 00-0258 EA 50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip .....	10,959.79	1,546.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>923.47</i>	
26 24 13 00-0259 EA 2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip .....	16,161.98	2,593.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,539.12</i>	
26 24 13 00-0260 EA 1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip .....	27,937.48	4,177.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2,563.37</i>	
26 24 13 00-0261 EA 4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip .....	45,420.05	6,818.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4,262.17</i>	
<b>26 24 13 00-0262 DS Breakers With Amptector Static Trip, Electrically Operated</b> <small>(26 24 13 00-0241)</small>		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263 EA 50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	7,098.86	883.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>528.47</i>	
26 24 13 00-0264 EA 50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	13,299.67	1,479.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>880.57</i>	
26 24 13 00-0265 EA 2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	18,834.52	2,458.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,470.02</i>	
26 24 13 00-0266 EA 1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	31,073.16	4,004.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2,450.02</i>	
26 24 13 00-0267 EA 4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	48,465.42	6,866.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4,092.65</i>	
<b>26 24 13 00-0268 Molded Case Circuit Breakers Conventional</b> <small>(26 24 13 00-0241)</small>		
26 24 13 00-0269 EA 70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	2,422.98	806.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>464.72</i>	
26 24 13 00-0270 EA 125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	3,628.26	806.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>505.48</i>	
26 24 13 00-0271 EA 300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	4,027.73	960.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>554.08</i>	
26 24 13 00-0272 EA 400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	4,816.50	960.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>600.26</i>	
26 24 13 00-0273 EA 600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	7,261.85	1,152.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>657.82</i>	
26 24 13 00-0274 EA 1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	11,899.62	1,152.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>727.58</i>	
26 24 13 00-0275 EA Shunt Trip, Factory Installed.....	348.93	
26 24 13 00-0276 EA Groundfault Trip Complete Interrupting Circuit, Factory Installed .....	80.77	
<b>26 24 13 00-0277 Switchboard Branch Breaker 480 Volt</b> <small>(26 24 13 00-0240)</small>		
26 24 13 00-0278 EA 60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	531.62	69.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>41.76</i>	
26 24 13 00-0279 EA 100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	624.01	92.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>55.41</i>	
26 24 13 00-0280 EA 225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker .....	1,842.59	139.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>83.47</i>	
26 24 13 00-0281 EA 400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker .....	2,438.38	174.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>104.69</i>	
26 24 13 00-0282 EA 600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker .....	2,944.52	234.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>140.41</i>	
26 24 13 00-0283 EA 800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	3,550.86	300.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>180.08</i>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0284 EA 1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	5,718.96	457.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	274.40	
26 24 13 00-0285 EA 1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	5,718.96	457.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	274.40	
26 24 13 00-0286 EA 1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	8,021.54	640.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	384.16	
26 24 13 00-0287 EA 2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	9,961.00	960.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	576.25	
<b>26 24 13 00-0288 Switchboard 277/480 Volt Main Breaker (26 24 13 00-0240)</b>		
26 24 13 00-0289 EA 400 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	6,525.97	416.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	250.11	
26 24 13 00-0290 EA 600 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	6,605.22	456.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	273.88	
26 24 13 00-0291 EA 800 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	7,064.30	686.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	411.61	
26 24 13 00-0292 EA 1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	12,146.84	960.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	576.25	
26 24 13 00-0293 EA 1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	12,350.82	1,062.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	637.44	
26 24 13 00-0294 EA 2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	16,154.70	1,905.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,143.35	
<b>26 24 13 00-0295 Branch Or Distribution Devices (26 24 13)</b>		
<b>26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295)</b>		
Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297 EA 15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	604.69	34.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 24 13 00-0298 EA 70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	605.42	43.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.81	
26 24 13 00-0299 EA 125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,489.88	51.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.58	
26 24 13 00-0300 EA 70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,165.67	67.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.66	
26 24 13 00-0301 EA 125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	3,060.57	82.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.32	
26 24 13 00-0302 EA 300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	4,015.86	97.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.83	
26 24 13 00-0303 EA 900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	6,154.87	109.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.18	
<b>26 24 13 00-0304 2 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295)</b>		
Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305 EA 15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	415.31	25.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.29	
26 24 13 00-0306 EA 70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	532.81	34.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 24 13 00-0307 EA 125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,489.97	43.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.81	
26 24 13 00-0308 EA 70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,373.97	48.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.69	
26 24 13 00-0309 EA 125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,500.78	62.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.78	
26 24 13 00-0310 EA 900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	5,700.20	90.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.50	
<b>26 24 13 00-0311 Meter Devices And Instrumentation (26 24 13)</b>		
Note: Factory installed accessories.		
<b>26 24 13 00-0312 Compartments For Instrument Transformers And Metering Devices (26 24 13 00-0311)</b>		
26 24 13 00-0313 EA Compartment For, Up To 800 Amperes, Primary Current Transformer.....	421.62	
26 24 13 00-0314 EA Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer.....	609.01	
26 24 13 00-0315 EA Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer.....	717.24	
<b>26 24 13 00-0316 Instruments (26 24 13 00-0311)</b>		
26 24 13 00-0317 EA AC Voltmeter.....	575.08	
26 24 13 00-0318 EA AC Ammeter.....	575.08	
26 24 13 00-0319 EA AC Wattmeter.....	1,536.25	
26 24 13 00-0320 EA Variometer.....	1,734.94	
26 24 13 00-0321 EA Power Factor Meter.....	1,386.02	
26 24 13 00-0322 EA Frequency Meter.....	1,529.79	
26 24 13 00-0323 EA 200 Volt-Amperes Max Potential Transformer.....	516.93	
26 24 13 00-0324 EA AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block.....	1,946.56	
26 24 13 00-0325 EA AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2.....	3,256.65	
26 24 13 00-0326 EA Weatherproof, Modify Meter.....	3,053.65	
26 24 13 00-0327 EA Control Switch Resistor Type 130 V.....	69.29	
26 24 13 00-0328 EA Metering Instrument: Voltage, Amperes And Watt Hour.....	3,928.34	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**26 24 16 Panelboards** (26 24)

26 24 16 00-0001	EA	Branch Circuit Panelboard <small>(26 24 16)</small> Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.		
26 24 16 00-0002	EA	Assembled Lighting And Power Panelboards <small>(26 24 16 00-0001)</small> Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003		120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0004	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,112.53	273.71
		<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0005	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,260.61	273.71
		<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0006	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers .....	1,428.20	379.36
		<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0007	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers .....	1,599.10	379.36
		<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0008	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	1,758.85	475.41
		<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0009	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	1,922.82	475.41
		<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0010	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers .....	2,081.56	547.44
		<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0011	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers .....	2,494.41	701.10
		<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0012	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	2,621.51	701.10
		<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0013	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	2,748.50	801.94
		<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0014	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	2,954.44	801.94
		<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0015	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,082.40	902.79
		<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0016	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	3,270.37	902.79
		<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0017	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers .....	3,382.75	998.83
		<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0018	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	3,575.08	998.83
		<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0019	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	3,748.81	1,104.47
		<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0020	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	3,871.70	1,104.47
		<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0021	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	4,043.69	1,104.47
		<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0022		120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0023	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,334.82	264.12
		<i>For NEMA 3R Panelboard, Add</i>	1,475.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0024 EA 50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers .....	1,484.99	264.12
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0025 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers .....	1,824.85	451.39
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0026 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers .....	2,071.44	451.39
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0027 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,234.53	552.23
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0028 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers .....	2,404.17	552.23
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0029 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers .....	2,555.61	662.68
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0030 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers .....	3,096.72	662.68
<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0031 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,230.65	811.54
<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0032 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,375.46	811.54
<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0033 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,533.35	912.39
<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0034 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,662.81	912.39
<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0035 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	3,800.35	998.83
<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0036 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers .....	3,947.18	998.83
<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0037 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,104.84	1,181.31
<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0038 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers .....	4,275.19	1,181.31
<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0039 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers .....	4,460.51	1,181.31
<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0040 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers .....	4,577.11	1,248.53
<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
<b>26 24 16 00-0041 120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0042 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,347.30	312.13
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0043 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers .....	1,508.36	312.13
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0044 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers .....	1,691.96	417.78
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0045 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers .....	1,885.92	417.78
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0046 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,059.10	513.82
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0047 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,243.75	513.82
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0048	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	2,418.31	609.86
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0049	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	2,596.51	609.86
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0050	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	2,764.67	715.51
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0051	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	2,958.37	715.51
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0052	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,153.61	825.95
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0053	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,347.26	825.95
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0054	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	3,727.53	998.83
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0055	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	3,854.82	998.83
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0056	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,081.97	1,109.27
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0057	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	4,284.71	1,109.27
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0058	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	4,431.10	1,210.12
			<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0059	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	4,630.15	1,210.12
			<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0060	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,544.17	1,073.74
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0061	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	4,684.80	1,128.48
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0062	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,921.56	1,188.51
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0063	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	5,138.64	1,258.14
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0064	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,293.28	1,296.56
			<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0065	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,537.36	1,375.79
			<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0066			<b>120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0067	EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,622.68	302.52
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0068	EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,785.70	302.52
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0069	EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	1,981.55	398.57
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0070 EA 50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers .....	2,260.92	398.57
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0071 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,648.54	600.25
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0072 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers .....	2,818.28	600.25
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0073 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers .....	3,000.92	701.10
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0074 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers .....	3,151.51	701.10
<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0075 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,357.13	811.54
<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0076 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,494.78	811.54
<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0077 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,724.62	912.39
<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0078 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,923.57	912.39
<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0079 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,623.89	1,056.45
<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0080 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers .....	4,825.02	1,114.08
<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0081 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,908.57	1,114.08
<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0082 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers .....	5,133.29	1,258.14
<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0083 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers .....	5,293.20	1,258.14
<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0084 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers .....	5,393.91	1,258.14
<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0085 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,463.58	1,157.29
<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0086 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers .....	5,682.49	1,224.53
<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0087 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,768.63	1,258.14
<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0088 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers .....	6,010.54	1,334.96
<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0089 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers .....	6,169.31	1,373.38
<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0090 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers .....	6,315.77	1,421.41
<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
<b>26 24 16 00-0091 480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0092 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,532.96	307.33
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0093	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,747.73	307.33
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0094	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	1,954.28	422.58
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0095	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,169.04	422.58
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0096	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,370.36	528.22
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0097	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,581.66	528.22
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0098	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	2,801.51	638.67
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0099	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,004.27	638.67
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0100	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,225.69	758.73
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0101	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,439.97	758.73
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0102	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,638.20	864.37
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0103	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,849.50	864.37
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0104	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,294.98	1,051.64
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0105	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	4,506.05	1,051.64
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0106	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,729.81	1,152.50
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0107	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	4,897.22	1,152.50
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0108	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,144.49	1,272.54
			<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0109	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,325.31	1,272.54
			<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0110			<b>480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0111	EA		50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,957.75	326.54
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0112	EA		50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,167.98	355.35
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0113	EA		50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,380.37	441.79
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0114	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,856.68	537.83
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0115	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,058.08	595.45
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0116	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,242.60	643.48
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0117	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,444.88	701.10
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0118 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,639.93	758.73
<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0119 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers .....	3,819.30	806.74
<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0120 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,010.95	854.76
<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0121 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers .....	4,217.47	912.39
<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0122 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers .....	4,442.17	984.42
<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0123 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,632.42	1,094.86
<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0124 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers .....	5,848.33	1,162.09
<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0125 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	6,004.96	1,190.91
<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0126 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers .....	6,246.36	1,267.74
<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0127 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers .....	6,417.55	1,315.76
<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0128 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers .....	6,594.68	1,357.06
<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
<b>26 24 16 00-0129 277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small></b>		
26 24 16 00-0130 EA 100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,875.79	336.15
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0131 EA 100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers .....	2,117.92	336.15
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0132 EA 100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers .....	2,354.21	446.59
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0133 EA 100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers .....	2,592.30	446.59
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0134 EA 100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,833.99	552.23
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0135 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,071.03	552.23
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0136 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers .....	3,311.67	662.68
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0137 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers .....	3,551.39	662.68
<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0138 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,811.74	777.93
<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0139 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,032.56	777.93
<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0140 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,264.91	782.73
<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0141	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,511.21	782.73
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0142	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,133.98	1,085.26
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0143	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	5,386.18	1,085.26
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0144	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,584.91	1,142.89
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0145	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	5,858.70	1,219.72
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0146	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,069.68	1,219.72
			<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0147	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,371.61	1,334.96
			<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
<b>26 24 16 00-0148</b>			<b>277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0149	EA		50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	2,440.26	412.97
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0150	EA		50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,687.72	412.97
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0151	EA		50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,926.50	547.44
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0152	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	3,482.95	547.44
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0153	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,711.11	691.50
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0154	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,938.93	691.50
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0155	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	4,159.51	792.34
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0156	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	4,364.42	792.34
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0157	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	4,581.61	902.79
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0158	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,813.65	902.79
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0159	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	5,015.12	998.83
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0160	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	5,225.88	998.83
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0161	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	6,889.17	1,181.31
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0162	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	7,142.67	1,181.31
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0163	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	7,333.38	1,291.75
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0164 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers .....	7,615.04	1,291.75
<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0165 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers .....	7,821.96	1,411.80
<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0166 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers .....	8,035.44	1,411.80
<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0167 EA 400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers .....	9,573.46	1,572.19
<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0168 EA 600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers .....	11,661.36	1,887.20
<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
<b>26 24 16 00-0169 Unassembled Lighting And Power Panelboards</b> <small>(26 24 16 00-0001)</small>		
<small>Note: Includes the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.</small>		
<b>26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small>		
<small>Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.</small>		
<b>26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0170)</small>		
26 24 16 00-0172 EA 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	610.20	
26 24 16 00-0173 EA 100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	700.36	
26 24 16 00-0174 EA 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	946.00	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0175 EA 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,090.34	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0176 EA 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,232.36	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0177 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,374.80	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0178 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,491.22	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0179 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,631.34	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0180 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,746.45	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0181 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,861.50	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0182 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,028.96	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
<b>26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0170)</small>		
26 24 16 00-0184 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	905.55	
26 24 16 00-0185 EA 100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,023.12	
26 24 16 00-0186 EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,633.42	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0187 EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,810.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0188 EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,974.82	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0189 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,474.46	
<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	118.61	
26 24 16 00-0190 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,665.60	
<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	202.57	
26 24 16 00-0191 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,840.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	258.89	
<b>26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0170)</small>		
26 24 16 00-0193 EA 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,254.34	
26 24 16 00-0194 EA 100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,337.13	
26 24 16 00-0195 EA 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,567.43	
26 24 16 00-0196 EA 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,708.71	
26 24 16 00-0197 EA 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,839.07	
26 24 16 00-0198 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,100.52	
26 24 16 00-0199 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,208.97	
26 24 16 00-0200 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,341.73	
26 24 16 00-0201 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,513.27	
26 24 16 00-0202 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,624.04	
26 24 16 00-0203 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,780.13	
<b>26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0170)</small>		
26 24 16 00-0205 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,542.32	
26 24 16 00-0206 EA 100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,651.92	
26 24 16 00-0207 EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,373.86	
26 24 16 00-0208 EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,535.90	
26 24 16 00-0209 EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,689.50	
26 24 16 00-0210 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,173.80	
26 24 16 00-0211 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,357.58	
26 24 16 00-0212 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,530.39	
<b>26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small>		
Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers		
<b>26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0213)</small>		
26 24 16 00-0215 EA 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	686.33	
26 24 16 00-0216 EA 100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	805.81	
26 24 16 00-0217 EA 100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	904.41	
<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	118.61	
26 24 16 00-0218 EA 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,018.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	118.61	
26 24 16 00-0219 EA 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,171.22	
<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	202.57	
26 24 16 00-0220 EA 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,295.67	
<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	258.89	
26 24 16 00-0221 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,493.11	
<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	118.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0222 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,607.28	202.57
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0223 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,732.47	258.89
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0224 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,878.25	118.61
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0225 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,076.33	202.57
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0226 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,465.86	258.89
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
<b>26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small></b>		
26 24 16 00-0228 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,063.30	
26 24 16 00-0229 EA 100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,198.26	
26 24 16 00-0230 EA 100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,362.36	118.61
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0231 EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,031.57	118.61
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0232 EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,198.18	202.57
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0233 EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,349.30	258.89
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0234 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	3,268.15	118.61
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0235 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	3,444.25	202.57
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0236 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	3,591.06	258.89
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
<b>26 24 16 00-0237 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small></b>		
26 24 16 00-0238 EA 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,330.46	
26 24 16 00-0239 EA 100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,442.58	
26 24 16 00-0240 EA 100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,533.21	
26 24 16 00-0241 EA 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,639.81	
26 24 16 00-0242 EA 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,789.59	
26 24 16 00-0243 EA 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,902.38	
26 24 16 00-0244 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,218.84	
26 24 16 00-0245 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,325.03	
26 24 16 00-0246 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,442.85	
26 24 16 00-0247 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,645.07	
26 24 16 00-0248 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,829.05	
26 24 16 00-0249 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	3,218.57	
<b>26 24 16 00-0250 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small></b>		
26 24 16 00-0251 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,700.07	
26 24 16 00-0252 EA 100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,827.05	
26 24 16 00-0253 EA 100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,986.86	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0254	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,772.02	
26 24 16 00-0255	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,923.90	
26 24 16 00-0256	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	3,063.98	
26 24 16 00-0257	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	4,610.65	
26 24 16 00-0258	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	4,793.12	
26 24 16 00-0259	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	4,950.73	
<b>26 24 16 00-0260</b>		<b>480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small>		
		Note: As manufactured by Square D or equal.		
<b>26 24 16 00-0261</b>		<b>Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0260)</small>		
26 24 16 00-0262	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	994.31	
26 24 16 00-0263	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,088.04	
26 24 16 00-0264	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,496.84	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0265	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,666.33	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0266	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,812.64	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0267	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,797.79	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0268	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,891.31	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0269	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,052.72	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0270	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,138.06	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0271	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,291.39	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0272	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,499.84	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
<b>26 24 16 00-0273</b>		<b>Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0260)</small>		
26 24 16 00-0274	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,055.74	
26 24 16 00-0275	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,120.81	
26 24 16 00-0276	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,301.20	
26 24 16 00-0277	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,421.26	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0278	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,653.13	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0279	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,450.24	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0280	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,597.88	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0281	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,786.57	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0282	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,891.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0283	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,081.84	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0284	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,256.20	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 24 16 00-0285</b> Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0280)</small>		
26 24 16 00-0286 EA 125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,616.36	
26 24 16 00-0287 EA 125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,710.09	
26 24 16 00-0288 EA 250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,104.16	
26 24 16 00-0289 EA 250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,380.40	
26 24 16 00-0290 EA 250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,514.43	
26 24 16 00-0291 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,499.59	
26 24 16 00-0292 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,574.71	
26 24 16 00-0293 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,709.73	
26 24 16 00-0294 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,856.42	
26 24 16 00-0295 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,994.68	
26 24 16 00-0296 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,170.72	
<b>26 24 16 00-0297</b> Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0280)</small>		
26 24 16 00-0298 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,810.29	
26 24 16 00-0299 EA 100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,875.36	
26 24 16 00-0300 EA 125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,914.04	
26 24 16 00-0301 EA 125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,028.59	
26 24 16 00-0302 EA 125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,367.20	
26 24 16 00-0303 EA 250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,152.04	
26 24 16 00-0304 EA 250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,281.28	
26 24 16 00-0305 EA 250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,443.59	
26 24 16 00-0306 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,548.87	
26 24 16 00-0307 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,721.96	
26 24 16 00-0308 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,893.68	
<b>26 24 16 00-0309</b> 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0189)</small>		
Note: As manufactured by Square D or equal.		
<b>26 24 16 00-0310</b> Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0311 EA 125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,036.03	
26 24 16 00-0312 EA 125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,130.37	
26 24 16 00-0313 EA 125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,306.23	
26 24 16 00-0314 EA 250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,558.22	
26 24 16 00-0315 EA 250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,729.04	
26 24 16 00-0316 EA 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,874.16	
26 24 16 00-0317 EA 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,878.98	
26 24 16 00-0318 EA 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,991.92	
For Door-In-Door (Hinged) Trim Front, Add	118.61	
For Door-In-Door (Hinged) Trim Front, Add	118.61	
For Door-In-Door (Hinged) Trim Front, Add	202.57	
For Door-In-Door (Hinged) Trim Front, Add	258.89	
For Door-In-Door (Hinged) Trim Front, Add	118.61	
For Door-In-Door (Hinged) Trim Front, Add	202.57	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0319	EA		400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	2,152.14	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	258.89	
26 24 16 00-0320	EA		600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	2,237.74	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	118.61	
26 24 16 00-0321	EA		600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	2,391.65	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	202.57	
26 24 16 00-0322	EA		600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	2,600.82	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	258.89	
<b>26 24 16 00-0323</b>			<b>Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0309)</small>		
26 24 16 00-0324	EA		100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	2,270.45	
26 24 16 00-0325	EA		100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	2,336.13	
26 24 16 00-0326	EA		100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	2,530.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	118.61	
26 24 16 00-0327	EA		125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	2,596.33	
26 24 16 00-0328	EA		125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	2,716.92	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	118.61	
26 24 16 00-0329	EA		125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	2,948.15	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	202.57	
26 24 16 00-0330	EA		250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	3,796.50	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	118.61	
26 24 16 00-0331	EA		250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	3,945.92	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	202.57	
26 24 16 00-0332	EA		250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	4,132.63	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	258.89	
26 24 16 00-0333	EA		400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	4,306.77	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	118.61	
26 24 16 00-0334	EA		400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	4,498.66	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	202.57	
26 24 16 00-0335	EA		400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	4,672.83	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	258.89	
<b>26 24 16 00-0336</b>			<b>Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0309)</small>		
26 24 16 00-0337	EA		125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	1,658.08	
26 24 16 00-0338	EA		125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	1,752.42	
26 24 16 00-0339	EA		125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	1,919.07	
26 24 16 00-0340	EA		250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	2,165.54	
26 24 16 00-0341	EA		250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	2,443.10	
26 24 16 00-0342	EA		250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	2,575.96	
26 24 16 00-0343	EA		400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	2,582.62	
26 24 16 00-0344	EA		400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	2,675.31	
26 24 16 00-0345	EA		400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	2,809.15	
26 24 16 00-0346	EA		600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	2,956.10	
26 24 16 00-0347	EA		600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	3,094.68	
26 24 16 00-0348	EA		600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	3,270.72	
<b>26 24 16 00-0349</b>			<b>Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0309)</small>		
26 24 16 00-0350	EA		100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	2,877.77	



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0351	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	2,943.45	
26 24 16 00-0352	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	3,244.14	
26 24 16 00-0353	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	3,209.18	
26 24 16 00-0354	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	3,324.25	
26 24 16 00-0355	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	3,662.22	
26 24 16 00-0356	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	4,498.29	
26 24 16 00-0357	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	4,629.32	
26 24 16 00-0358	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	4,789.64	
26 24 16 00-0359	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	4,963.78	
26 24 16 00-0360	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	5,138.50	
26 24 16 00-0361	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	5,309.60	
<b>26 24 16 00-0362</b>		<b>600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small>		
		Note: Square D I-Line or equal.		
<b>26 24 16 00-0363</b>		<b>Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0362)</small>		
26 24 16 00-0364	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,718.64	285.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171.34	
26 24 16 00-0365	EA	400 Ampere Rating, 45" Breaker Mounted Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,026.17	285.48
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171.29	
26 24 16 00-0366	EA	400 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,257.73	285.48
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171.29	
26 24 16 00-0367	EA	600 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,535.60	468.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	281.30	
26 24 16 00-0368	EA	600 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,714.82	468.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	281.30	
26 24 16 00-0369	EA	600 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,911.49	468.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	281.30	
26 24 16 00-0370	EA	800 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,113.18	623.24
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	373.93	
26 24 16 00-0371	EA	800 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,285.11	625.08
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	375.07	
26 24 16 00-0372	EA	800 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,355.85	623.24
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	373.93	
26 24 16 00-0373	EA	800 Ampere Rating, 99" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,924.44	623.24
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	373.93	
26 24 16 00-0374	EA	1,200 Ampere Rating, 27" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,079.92	937.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	562.60	
26 24 16 00-0375	EA	1,200 Ampere Rating, 45" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,466.92	937.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	562.60	
26 24 16 00-0376	EA	1,200 Ampere Rating, 63" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,783.33	937.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	562.60	
26 24 16 00-0377	EA	1,200 Ampere Rating, 99" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,169.53	937.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	562.60	
<b>26 24 16 00-0378</b>		<b>Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0362)</small>		
26 24 16 00-0379	EA	225 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,393.65	291.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.96	
26 24 16 00-0380	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,469.60	330.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	198.46	
26 24 16 00-0381	EA	400 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,693.23	330.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	198.46	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0382 EA 400 Ampere Rating, 81" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,351.43	330.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	198.46	
26 24 16 00-0383 EA 600 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,948.78	542.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	325.33	
26 24 16 00-0384 EA 600 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,318.04	543.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	326.19	
26 24 16 00-0385 EA 600 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,622.85	542.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	325.33	
26 24 16 00-0386 EA 800 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	8,774.83	724.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	434.92	
26 24 16 00-0387 EA 800 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	9,213.01	722.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	433.38	
26 24 16 00-0388 EA 800 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	9,649.17	722.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	433.38	
<b>26 24 16 00-0389 Residential Lighting And Power Panelboards</b> <small>(26 24 16 00-0001)</small>		
See CSI section 26 28 16 13-0001 for circuit breakers.		
<b>26 24 16 00-0390 Residential Type Unassembled Load Center</b> <small>(26 24 16 00-0389)</small>		
Note: Interior box and cover, includes ground bar kit.		
<b>26 24 16 00-0391 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt</b> <small>(26 24 16 00-0390)</small>		
26 24 16 00-0392 EA 30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	134.83	48.02
26 24 16 00-0393 EA 70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	441.81	192.09
26 24 16 00-0394 EA 100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	673.15	274.19
26 24 16 00-0395 EA 125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	1,442.15	576.34
26 24 16 00-0396 EA 150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	1,579.16	624.26
<b>26 24 16 00-0397 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC</b> <small>(26 24 16 00-0390)</small>		
Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.		
26 24 16 00-0398 EA 60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard.....	192.50	52.83
26 24 16 00-0399 EA 125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard .....	356.97	57.62
<b>26 24 16 00-0400 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof</b> <small>(26 24 16 00-0390)</small>		
26 24 16 00-0401 EA 40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	196.05	52.83
26 24 16 00-0402 EA 70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	219.11	57.62
26 24 16 00-0403 EA 100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	744.24	274.19
26 24 16 00-0404 EA 150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	1,687.35	624.26
<b>26 24 16 00-0405 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC</b> <small>(26 24 16 00-0390)</small>		
Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0406 EA 60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard.....	246.59	52.83
26 24 16 00-0407 EA 125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard.....	1,640.13	576.34
<b>26 24 16 00-0408 Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt</b> <small>(26 24 16 00-0390)</small>		
26 24 16 00-0409 EA 125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	1,779.07	576.34
26 24 16 00-0410 EA 150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	1,931.54	624.26
26 24 16 00-0411 EA 300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	7,198.07	960.41
<b>26 24 16 00-0412 Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC</b> <small>(26 24 16 00-0390)</small>		
Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.		
26 24 16 00-0413 EA 125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard.....	2,676.69	576.34
26 24 16 00-0414 EA 150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard .....	2,921.12	624.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0415 EA 300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard .....	7,953.36	960.41
<b>26 24 16 00-0416</b> <b>Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof</b> <small>(26 24 16 00-0390)</small>		
26 24 16 00-0417 EA 125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	1,879.53	576.34
26 24 16 00-0418 EA 150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	2,103.08	624.26
<b>26 24 16 00-0419</b> <b>Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC</b> <small>(26 24 16 00-0390)</small>		
<small>Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.</small>		
26 24 16 00-0420 EA 125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard .....	2,843.30	576.34
26 24 16 00-0421 EA 155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard .....	2,939.20	624.26
<b>26 24 16 00-0422</b> <b>Residential Type Assembled Load Center</b> <small>(26 24 16 00-0389)</small>		
<b>26 24 16 00-0423</b> <b>Main Lug Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase</b> <small>(26 24 16 00-0423)</small>		
<small>Note: Includes 1 pole plug-in breaker.</small>		
26 24 16 00-0424 EA 100 Ampere Rating, Main Lugs, Indoor 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	673.62	274.19
26 24 16 00-0425 EA 100 Ampere Rating, Main Lugs, Indoor 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	824.53	320.29
26 24 16 00-0426 EA 100 Ampere Rating, Main Lugs, Rainproof, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	690.62	274.19
26 24 16 00-0427 EA 100 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	829.17	320.29
26 24 16 00-0428 EA 200 Ampere Rating, Main Lugs, Indoor, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,215.50	426.90
26 24 16 00-0429 EA 200 Ampere Rating, Main Lugs, Indoor, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,431.24	512.38
26 24 16 00-0430 EA 200 Ampere Rating, Main Lugs, Indoor, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,635.02	591.13
26 24 16 00-0431 EA 200 Ampere Rating, Main Lugs, Indoor, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,805.33	639.93
26 24 16 00-0432 EA 200 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,701.30	960.41
26 24 16 00-0433 EA 200 Ampere Rating, Main Lugs, Rainproof, 16 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,275.77	426.90
26 24 16 00-0434 EA 200 Ampere Rating, Main Lugs, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,488.42	512.38
26 24 16 00-0435 EA 200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,692.20	591.13
26 24 16 00-0436 EA 200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,859.42	639.93
26 24 16 00-0437 EA 200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,879.03	960.41
26 24 16 00-0438 EA 400 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	3,362.91	1,067.11
26 24 16 00-0439 EA 400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	3,548.37	1,067.11
<b>26 24 16 00-0440</b> <b>Main Lug Load Center, 4 Wire, 20 Amperes, 120/208 Volt</b> <small>(26 24 16 00-0422)</small>		
<small>Note: Includes 1 pole plug-in breaker.</small>		
26 24 16 00-0441 EA 125 Ampere Rating, Main Lugs, Indoor, 12 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	911.08	320.29
26 24 16 00-0442 EA 125 Ampere Rating, Main Lugs, Indoor, 18 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,357.60	480.20
26 24 16 00-0443 EA 125 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	962.08	320.29
26 24 16 00-0444 EA 125 Ampere Rating, Main Lugs, Rainproof, 18 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,403.97	480.20
26 24 16 00-0445 EA 200 Ampere Rating, Main Lugs, Indoor, 24 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,723.11	591.13
26 24 16 00-0446 EA 200 Ampere Rating, Main Lugs, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,883.28	640.31
26 24 16 00-0447 EA 200 Ampere Rating, Main Lugs, Indoor, 36 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,309.90	768.61
26 24 16 00-0448 EA 200 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,763.12	960.41
26 24 16 00-0449 EA 200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,777.21	591.13
26 24 16 00-0450 EA 200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,944.42	639.93
26 24 16 00-0451 EA 200 Ampere Rating, Main Lugs, Rainproof, 36 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,517.56	768.04
26 24 16 00-0452 EA 200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,971.76	960.41

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0453	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	3,409.28	1,067.11
26 24 16 00-0454	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	3,594.73	1,067.11
<b>26 24 16 00-0455</b>		<b>Main Breaker Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase <sup>(26 24 16 00-0422)</sup></b>		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0456	EA	125 Ampere Rating, Main Breaker, Indoor, 12 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	904.90	320.29
26 24 16 00-0457	EA	125 Ampere Rating, Main Breaker, Indoor, 18 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,335.97	480.20
26 24 16 00-0458	EA	200 Ampere Rating, Main Breaker, Indoor, 20 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,557.97	512.38
26 24 16 00-0459	EA	200 Ampere Rating, Main Breaker, Indoor, 24 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,785.51	591.42
26 24 16 00-0460	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,968.29	640.31
26 24 16 00-0461	EA	200 Ampere Rating, Main Breaker, Indoor, 40 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,604.08	853.80
26 24 16 00-0462	EA	200 Ampere Rating, Main Breaker, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,573.42	512.38
26 24 16 00-0463	EA	200 Ampere Rating, Main Breaker, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,815.84	591.13
26 24 16 00-0464	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,975.33	639.93
26 24 16 00-0465	EA	200 Ampere Rating, Main Breaker, Rainproof, 40 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,519.08	853.80
26 24 16 00-0466	EA	400 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	4,954.77	1,067.11
26 24 16 00-0467	EA	400 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	5,263.87	1,067.11
<b>26 24 16 00-0468</b>		<b>Main Breaker Load Center, 4 Wire, 20 Amperes, 120/208 Volt <sup>(26 24 16 00-0422)</sup></b>		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0469	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,401.03	640.31
26 24 16 00-0470	EA	200 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	3,257.68	960.41
26 24 16 00-0471	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,493.08	639.93
26 24 16 00-0472	EA	200 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	3,350.40	960.41
<b>26 24 16 00-0473</b>		<b>Panel Mounted Accessories And Fuseholders <sup>(26 24 16 00-0001)</sup></b>		
<b>26 24 16 00-0474</b>		<b>Midget Finger-Safe Fuse Holders <sup>(26 24 16 00-0473)</sup></b>		
		Note: 30 Amp capacity. Excludes fuse.		
26 24 16 00-0475	EA	1 Pole Midget Finger-Safe Fuse Holder.....	66.70	17.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 24 16 00-0476	EA	1 Pole With Indicator Midget Finger-Safe Fuse Holder.....	80.10	17.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 24 16 00-0477	EA	2 Pole Midget Finger-Safe Fuse Holder.....	108.56	25.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.29	
26 24 16 00-0478	EA	2 Pole With Indicators Midget Finger-Safe Fuse Holder.....	143.53	25.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.29	
26 24 16 00-0479	EA	3 Pole Midget Finger-Safe Fuse Holder.....	161.27	34.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 24 16 00-0480	EA	3 Pole With Indicators Midget Finger-Safe Fuse Holder.....	207.72	34.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 24 16 00-0481	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder.....	246.57	34.58
		Note: With indicators.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 24 16 00-0482	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder.....	195.07	34.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 24 16 00-0483	EA	4 Pole Midget Finger-Safe Fuse Holder.....	203.27	43.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.81	
26 24 16 00-0484	EA	4 Pole With Indicator Midget Finger-Safe Fuse Holder.....	254.28	43.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.81	
26 24 16 00-0485	EA	12 To 24 Volt DC Midget Finger-Safe Fuse Holder.....	80.14	17.29
		Note: With indicator.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 24 16 00-0486	EA	20 To 24 Volt DC Midget Finger-Safe Fuse Holder.....	87.26	17.29
		Note: With indicator.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 24 16 00-0487	EA	35 To 48 Volt DC Midget Finger-Safe Fuse Holder.....	81.45	17.29
		Note: With indicator.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
<b>26 24 16 00-0488</b>		<b>Removal And Reinstallation Of Panelboards <sup>(26 24 16 00-0001)</sup></b>		
		Note: Includes storage, cleaning and supply materials.		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Switchboards and Panelboards</b>	<b>26 24</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0489 EA Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers.....	1,206.74	
Note: Includes removal and reinstallation of main wiring to panelboard.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	360.15	
26 24 16 00-0490 EA Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage .....	64.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.73	
26 24 16 00-0491 EA Panelboard Filler Plate, Fits 1" Opening.....	4.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.90	
<b>26 24 19 Motor-Control Centers (26 24)</b>		
26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers (26 24 19)		
Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.		
26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)		
Note: 1-Speed non-reversing.		
26 24 19 00-0003 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit.....	2,298.53	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 24 19 00-0004 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit.....	2,727.03	92.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.27	
26 24 19 00-0005 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit.....	4,074.94	96.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.90	
26 24 19 00-0006 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit.....	7,412.33	114.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.43	
26 24 19 00-0007 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit.....	14,969.20	131.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.96	
26 24 19 00-0008 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit.....	25,203.68	175.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.28	
26 24 19 00-0009 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)		
Note: 1-Speed non-reversing.		
26 24 19 00-0010 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit.....	2,298.53	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 24 19 00-0011 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit.....	2,727.03	92.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.27	
26 24 19 00-0012 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit.....	4,074.94	96.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.90	
26 24 19 00-0013 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit.....	7,412.33	114.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.43	
26 24 19 00-0014 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit.....	14,969.20	131.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.96	
26 24 19 00-0015 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit.....	25,203.68	175.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.28	
26 24 19 00-0016 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)		
Note: 1-Speed reversing.		
26 24 19 00-0017 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit.....	3,346.74	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 24 19 00-0018 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit.....	4,470.35	92.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.27	
26 24 19 00-0019 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit.....	6,422.30	96.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.90	
26 24 19 00-0020 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit.....	11,258.72	114.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.43	
26 24 19 00-0021 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit.....	22,197.85	131.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.96	
26 24 19 00-0022 EA 230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit.....	38,275.20	175.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.28	
26 24 19 00-0023 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)		
Note: 1-Speed reversing.		
26 24 19 00-0024 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit.....	3,346.74	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 24 19 00-0025 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit.....	4,470.35	92.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.27	
26 24 19 00-0026 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit.....	6,422.30	96.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.90	
26 24 19 00-0027 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit.....	11,258.72	114.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.43	
26 24 19 00-0028 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit.....	22,197.85	131.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.96	
26 24 19 00-0029 EA 480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit.....	38,275.20	175.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.28	
26 24 19 00-0030 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit.....	4,058.28	140.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.22	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0032 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit .....5,599.28 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 89.48		149.14
26 24 19 00-0033 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit .....8,268.43 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 94.74		157.92
26 24 19 00-0034 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit .....14,816.98 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 107.91		179.85
26 24 19 00-0035 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit .....24,581.00 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 126.34		210.55
<b>26 24 19 00-0036 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)</b> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit .....4,058.28 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 84.22		140.37
26 24 19 00-0038 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit .....5,599.28 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 89.48		149.14
26 24 19 00-0039 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit .....8,268.43 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 94.74		157.92
26 24 19 00-0040 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit .....14,816.98 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 107.91		179.85
26 24 19 00-0041 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit .....24,581.00 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 126.34		210.55
<b>26 24 19 00-0042 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)</b> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit .....4,716.96 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 52.64		87.73
26 24 19 00-0044 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit .....7,035.35 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 55.27		92.12
26 24 19 00-0045 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit .....9,642.43 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 57.90		96.50
26 24 19 00-0046 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit .....18,140.92 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 68.43		114.05
26 24 19 00-0047 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit .....31,456.28 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 78.96		131.59
<b>26 24 19 00-0048 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)</b> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit .....4,716.96 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 52.64		87.73
26 24 19 00-0050 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit .....7,035.35 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 55.27		92.12
26 24 19 00-0051 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit .....9,642.43 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 57.90		96.50
26 24 19 00-0052 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit .....18,140.92 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 68.43		114.05
26 24 19 00-0053 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit .....31,456.28 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 78.96		131.59
<b>26 24 19 00-0054 230 Volt Combination With Molded Case Circuit (26 24 19 00-0001)</b> Note: Reducing volt, auto-transformer.		
26 24 19 00-0055 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit .....6,990.93		92.12
26 24 19 00-0056 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit .....10,719.40		100.89
26 24 19 00-0057 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit .....18,089.84		114.05
26 24 19 00-0058 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit .....28,000.75		131.59
26 24 19 00-0059 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit .....47,922.28		175.46
<b>26 24 19 00-0060 480 Volt Combination With Molded Case Circuit (26 24 19 00-0001)</b> Note: Reducing volt, auto-transformer.		
26 24 19 00-0061 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit .....6,990.93		92.12
26 24 19 00-0062 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit .....10,719.40		100.89
26 24 19 00-0063 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit .....18,089.84		114.05
26 24 19 00-0064 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit .....28,000.75		131.59
26 24 19 00-0065 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit .....47,922.28		175.46
<b>26 24 19 00-0066 230 Volt Combination With Molded Case Circuit (26 24 19 00-0001)</b> Note: Reducing volt, part winding.		
26 24 19 00-0067 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit .....4,744.50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 84.22		140.37
26 24 19 00-0068 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit .....6,136.37 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 97.38		162.30
26 24 19 00-0069 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit .....10,830.67 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 107.91		179.85
26 24 19 00-0070 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit .....18,493.61 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 131.60		219.32
26 24 19 00-0071 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit .....25,414.25 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 168.45		280.74





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 24 19 00-0072 480 Volt Combination With Molded Case Circuit</b> <small>(26 24 19 00-0001)</small>		
Note: Reducing volt, part winding.		
26 24 19 00-0073 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit.....	4,744.50	140.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.22	
26 24 19 00-0074 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit.....	6,136.37	162.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	97.38	
26 24 19 00-0075 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit.....	10,830.67	179.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	107.91	
26 24 19 00-0076 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit.....	18,493.61	219.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	131.60	
26 24 19 00-0077 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit.....	25,414.25	280.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	168.45	
<b>26 24 19 00-0078 230 Volt Combination With Molded Case Circuit</b> <small>(26 24 19 00-0001)</small>		
Note: Reducing volt, energy saver.		
26 24 19 00-0079 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit.....	19,784.30	114.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.43	
26 24 19 00-0080 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit.....	20,980.63	140.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.22	
26 24 19 00-0081 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit.....	23,165.33	162.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	97.38	
26 24 19 00-0082 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit.....	35,099.37	179.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	107.91	
26 24 19 00-0083 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit.....	47,878.99	219.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	131.60	
26 24 19 00-0084 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit.....	64,981.91	280.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	168.45	
<b>26 24 19 00-0085 480 Volt Combination With Molded Case Circuit</b> <small>(26 24 19 00-0001)</small>		
Note: Reducing volt, energy saver.		
26 24 19 00-0086 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit.....	19,784.30	114.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.43	
26 24 19 00-0087 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit.....	20,980.63	140.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.22	
26 24 19 00-0088 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit.....	23,165.33	162.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	97.38	
26 24 19 00-0089 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit.....	35,099.37	179.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	107.91	
26 24 19 00-0090 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit.....	47,878.99	219.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	131.60	
26 24 19 00-0091 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit.....	64,981.91	280.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	168.45	
<b>26 24 19 00-0092 Combination Starters With Current Limiting Circuit Breakers</b> <small>(26 24 19)</small>		
Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
<b>26 24 19 00-0093 230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	3,086.90	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 24 19 00-0095 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit.....	3,515.41	92.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.27	
26 24 19 00-0096 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit.....	5,454.04	96.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.90	
26 24 19 00-0097 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	10,075.04	114.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.43	
26 24 19 00-0098 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	18,064.97	131.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.96	
26 24 19 00-0099 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	29,460.92	175.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.28	
<b>26 24 19 00-0100 480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit.....	3,086.90	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 24 19 00-0102 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit.....	3,515.41	92.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.27	

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 24</b>	<b>Switchboards and Panelboards</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0103 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	5,454.04	96.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.90	
26 24 19 00-0104 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	10,075.04	114.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.43	
26 24 19 00-0105 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	18,064.97	131.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.96	
26 24 19 00-0106 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit.....	29,460.92	175.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.28	
<b>26 24 19 00-0107 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)</b>		
Note: Full volt, 1-speed reversing.		
26 24 19 00-0108 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit .....	4,128.45	87.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.64	
26 24 19 00-0109 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit .....	5,243.18	92.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.27	
26 24 19 00-0110 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit .....	7,770.32	96.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.90	
26 24 19 00-0111 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit .....	13,885.91	114.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.43	
26 24 19 00-0112 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit .....	25,231.43	131.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.96	
<b>26 24 19 00-0113 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)</b>		
Note: Full volt, 1-speed reversing.		
26 24 19 00-0114 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit .....	4,128.45	87.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.64	
26 24 19 00-0115 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit .....	5,243.18	92.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.27	
26 24 19 00-0116 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit .....	7,770.32	96.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.90	
26 24 19 00-0117 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit .....	13,885.91	114.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.43	
26 24 19 00-0118 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit .....	25,231.43	131.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.96	
<b>26 24 19 00-0119 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)</b>		
Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit .....	4,826.67	140.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.22	
26 24 19 00-0121 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit .....	6,356.57	149.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.48	
26 24 19 00-0122 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit .....	9,594.23	157.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.74	
26 24 19 00-0123 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit .....	17,413.07	179.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.91	
26 24 19 00-0124 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit .....	27,590.16	210.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.34	
<b>26 24 19 00-0125 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)</b>		
Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit .....	4,826.67	140.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.22	
26 24 19 00-0127 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit .....	6,356.57	149.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.48	
26 24 19 00-0128 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit .....	9,594.23	157.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.74	
26 24 19 00-0129 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit .....	17,413.07	179.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.91	
26 24 19 00-0130 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit .....	27,590.16	210.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.34	
<b>26 24 19 00-0131 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)</b>		
Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit .....	5,573.08	131.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.96	
26 24 19 00-0133 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit .....	7,875.80	140.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.22	



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0134	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	11,066.85	149.14
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.48	
26 24 19 00-0135	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	20,819.96	171.08
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.64	
26 24 19 00-0136	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	34,545.86	201.78
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.07	
<b>26 24 19 00-0137</b>		<b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
		Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	5,573.08	131.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.96	
26 24 19 00-0139	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	7,875.80	140.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.22	
26 24 19 00-0140	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	11,066.85	149.14
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.48	
26 24 19 00-0141	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	20,819.96	171.08
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.64	
26 24 19 00-0142	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	34,545.86	201.78
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.07	
<b>26 24 19 00-0143</b>		<b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
		Note: Reduced volt, auto-transformer.		
26 24 19 00-0144	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	7,737.12	92.12
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.27	
26 24 19 00-0145	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	12,478.26	100.89
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.53	
26 24 19 00-0146	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	21,112.33	114.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.43	
26 24 19 00-0147	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	32,000.38	131.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.96	
26 24 19 00-0148	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	52,668.09	175.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.28	
<b>26 24 19 00-0149</b>		<b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
		Note: Reduced volt, auto-transformer.		
26 24 19 00-0150	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit	7,737.12	92.12
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.27	
26 24 19 00-0151	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	12,478.26	100.89
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.53	
26 24 19 00-0152	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	21,112.33	114.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.43	
26 24 19 00-0153	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	32,000.38	131.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.96	
26 24 19 00-0154	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit	52,668.09	175.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.28	
<b>26 24 19 00-0155</b>		<b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
		Note: Reduced volt, part winding.		
26 24 19 00-0156	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	5,512.89	140.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.22	
26 24 19 00-0157	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	6,889.22	162.30
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.38	
26 24 19 00-0158	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	12,147.60	179.85
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.91	
26 24 19 00-0159	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	21,553.85	219.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.60	
26 24 19 00-0160	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	31,814.55	280.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.45	
<b>26 24 19 00-0161</b>		<b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
		Note: Reduced volt, part winding.		
26 24 19 00-0162	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	5,512.89	140.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.22	
26 24 19 00-0163	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	6,889.22	162.30
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.38	
26 24 19 00-0164	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	12,147.60	179.85
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.91	
26 24 19 00-0165	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	21,553.85	219.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.60	
26 24 19 00-0166	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit	31,814.55	280.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.45	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0167			<b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, energy saving		
26 24 19 00-0168	EA		230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit.....	20,421.66	114.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.43	
26 24 19 00-0169	EA		230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit.....	21,611.33	140.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.22	
26 24 19 00-0170	EA		230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit.....	23,773.82	162.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.38	
26 24 19 00-0171	EA		230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit.....	35,603.49	179.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.91	
26 24 19 00-0172	EA		230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit.....	48,269.85	219.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.60	
26 24 19 00-0173	EA		230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	67,662.40	280.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.45	
26 24 19 00-0174			<b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, energy saving		
26 24 19 00-0175	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit.....	20,421.70	114.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.44	
26 24 19 00-0176	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit.....	21,611.33	140.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.22	
26 24 19 00-0177	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit.....	23,773.82	162.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.38	
26 24 19 00-0178	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit.....	35,603.49	179.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.91	
26 24 19 00-0179	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	48,269.85	219.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.60	
26 24 19 00-0180	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit.....	67,662.40	280.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.45	
26 24 19 00-0181			<b>Combination Starters With Fusible Switch</b> <small>(26 24 19)</small> Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
26 24 19 00-0182			<b>230 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0183	EA		7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,040.92	87.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.64	
26 24 19 00-0184	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,826.97	92.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.27	
26 24 19 00-0185	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	4,790.03	96.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.90	
26 24 19 00-0186	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	8,471.64	114.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.43	
26 24 19 00-0187	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	13,774.42	131.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.96	
26 24 19 00-0188	EA		200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	24,592.97	175.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.28	
26 24 19 00-0189			<b>480 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0190	EA		10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,040.92	87.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.64	
26 24 19 00-0191	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,826.97	92.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.27	
26 24 19 00-0192	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	4,790.03	96.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.90	
26 24 19 00-0193	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	8,471.64	114.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.43	
26 24 19 00-0194	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	13,774.42	131.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.96	
26 24 19 00-0195	EA		400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	24,592.97	175.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.28	
26 24 19 00-0196			<b>230 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 1-Speed reversing.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0197 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,317.87 52.64	87.73
26 24 19 00-0198 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,958.92 55.27	92.12
26 24 19 00-0199 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,954.64 57.90	96.50
26 24 19 00-0200 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,982.05 68.43	114.05
26 24 19 00-0201 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,990.39 78.96	131.59
26 24 19 00-0202 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,000.20 105.28	175.46
<b>26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 1-Speed reversing.		
26 24 19 00-0204 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,317.87 52.64	87.73
26 24 19 00-0205 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,958.92 55.27	92.12
26 24 19 00-0206 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,954.64 57.90	96.50
26 24 19 00-0207 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,982.05 68.43	114.05
26 24 19 00-0208 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,990.39 78.96	131.59
26 24 19 00-0209 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,000.20 105.28	175.46
<b>26 24 19 00-0210 230 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,871.73 84.22	140.37
26 24 19 00-0212 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,341.67 89.48	149.14
26 24 19 00-0213 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,434.99 94.74	157.92
26 24 19 00-0214 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,105.68 107.91	179.85
26 24 19 00-0215 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,094.65 126.34	210.55
<b>26 24 19 00-0216 480 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,871.73 84.22	140.37
26 24 19 00-0218 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,341.67 89.48	149.14
26 24 19 00-0219 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,434.99 94.74	157.92
26 24 19 00-0220 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,105.68 107.91	179.85
26 24 19 00-0221 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,094.65 126.34	210.55
<b>26 24 19 00-0222 230 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,446.02 52.64	87.73
26 24 19 00-0224 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,795.51 55.27	92.12
26 24 19 00-0225 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,797.89 57.90	96.50
26 24 19 00-0226 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,779.86 68.43	114.05
<b>26 24 19 00-0227 480 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,446.02 52.64	87.73
26 24 19 00-0229 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,795.51 55.27	92.12
26 24 19 00-0230 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,797.89 57.90	96.50
26 24 19 00-0231 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,779.86 68.43	114.05
<b>26 24 19 00-0232 230 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Auto-transformer.		

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0233 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	6,748.87	92.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.27	
26 24 19 00-0234 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	11,938.61	100.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.53	
26 24 19 00-0235 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	19,910.88	114.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.43	
26 24 19 00-0236 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	26,592.77	131.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.96	
26 24 19 00-0237 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	44,693.26	175.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.28	
<b>26 24 19 00-0238 480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)</b>		
Note: Auto-transformer.		
26 24 19 00-0239 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	6,748.87	92.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.27	
26 24 19 00-0240 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	11,938.61	100.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.53	
26 24 19 00-0241 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	19,910.88	114.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.43	
26 24 19 00-0242 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	26,592.77	131.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.96	
26 24 19 00-0243 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	44,693.26	175.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.28	
<b>26 24 19 00-0244 230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)</b>		
Note: Part winding.		
26 24 19 00-0245 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	4,773.37	140.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.22	
26 24 19 00-0246 EA 25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	6,327.36	162.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.38	
26 24 19 00-0247 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	10,102.26	179.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.91	
26 24 19 00-0248 EA 75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	20,188.07	219.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.60	
<b>26 24 19 00-0249 480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)</b>		
Note: Part winding.		
26 24 19 00-0250 EA 15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	4,773.37	140.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.22	
26 24 19 00-0251 EA 40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	6,327.36	162.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.38	
26 24 19 00-0252 EA 75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	10,102.26	179.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.91	
26 24 19 00-0253 EA 150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	20,188.07	219.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.60	
<b>26 24 19 00-0254 230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)</b>		
Note: Energy saver.		
26 24 19 00-0255 EA 7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	19,782.08	114.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.43	
26 24 19 00-0256 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	20,980.63	140.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.22	
26 24 19 00-0257 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	23,165.33	162.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.38	
26 24 19 00-0258 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	35,099.37	179.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.91	
26 24 19 00-0259 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	47,878.99	219.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.60	
26 24 19 00-0260 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	64,981.91	280.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.45	
<b>26 24 19 00-0261 480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)</b>		
Note: Energy saver.		
26 24 19 00-0262 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	19,782.08	114.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.43	
26 24 19 00-0263 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	20,980.63	140.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.22	
26 24 19 00-0264 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	23,165.33	162.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.38	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0265	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP .....	35,099.37	179.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	107.91	
26 24 19 00-0266	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP .....	47,878.99	219.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	131.60	
26 24 19 00-0267	EA		400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP .....	64,981.91	280.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	168.45	

**26 24 19 00-0268**

**Starter Accessories** (26 24 19)

Note: Additional options or accessories for the Combination Starters

**26 24 19 00-0269**

**Starter Modifications** (26 24 19 00-0268)

26 24 19 00-0270	EA	Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer .....	181.41
26 24 19 00-0271	EA	Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer .....	346.44
26 24 19 00-0272	EA	Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer .....	495.23
26 24 19 00-0273	EA	Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes .....	124.36
26 24 19 00-0274	EA	Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes .....	175.44
26 24 19 00-0275	EA	Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes .....	295.36
26 24 19 00-0276	EA	Overload Relay Heater Elements, 3 Per Starter .....	73.29
26 24 19 00-0277	EA	N.O. Overload Relay Alarm .....	62.18
26 24 19 00-0278	EA	Control Circuit Fuses, Primary/Secondary .....	112.60
26 24 19 00-0279	EA	Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton .....	139.22
26 24 19 00-0280	EA	Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton .....	272.29
26 24 19 00-0281	EA	Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select .....	139.22
26 24 19 00-0282	EA	Control Devices Type PB2 Mount On Device, Individual Light Full V .....	159.69
26 24 19 00-0283	EA	Control Devices Type PB2 Mount On Device, Individual Light Transformer .....	192.45
26 24 19 00-0284	EA	Control Devices Type PB2 Mount On Device, Individual Light Push To .....	227.25
26 24 19 00-0285	EA	Blank Devices Panel .....	42.99
26 24 19 00-0286	EA	Oversize Or Special Color Starter .....	67.56
26 24 19 00-0287	EA	Mini Voltmeter/Ammeter With Current Transformer .....	589.32
26 24 19 00-0288	EA	Mini Elapsed Time Meters, Non Resettable .....	534.04
26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable .....	798.45
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press .....	67.56
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw .....	96.22
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard .....	67.56
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In .....	96.22
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility .....	96.22
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type .....	139.22
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay .....	345.99
26 24 19 00-0297	EA	Heater Module .....	76.75
26 24 19 00-0298	EA	LAM - Long Acceleration Module .....	476.79
26 24 19 00-0299	EA	JAM - Jam Protection Module .....	546.57
26 24 19 00-0300	EA	PUM - Phase Unbalance Module .....	1,037.32
26 24 19 00-0301	EA	ULM - Underload Module .....	497.73
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer .....	109.31
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit .....	204.67
26 24 19 00-0304	EA	Type SIS Control Wire .....	86.06
26 24 19 00-0305	EA	Ring Or Spade Terminals Control .....	109.31
26 24 19 00-0306	EA	Ring Terminals Power .....	109.31
26 24 19 00-0307	EA	14 Gauge Control Wire .....	86.06
26 24 19 00-0308	EA	Wiremakers .....	109.31
26 24 19 00-0309	EA	Wiring Diagram On Door .....	65.12
26 24 19 00-0310	EA	Special Color Or Type Control Wire .....	79.08
26 24 19 00-0311	EA	Current Transformer 12.5 VA .....	621.00
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4 .....	1,983.93
26 24 19 00-0313	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6 .....	2,232.80

**26 24 19 00-0314**

**Control Relays And Special Components** (26 24 19 00-0268)

26 24 19 00-0315	EA	600 Volt, 2 Pole, Control Relays .....	491.15
26 24 19 00-0316	EA	600 Volt, 4 Pole, Control Relays .....	578.98
26 24 19 00-0317	EA	600 Volt, 6 Pole, Control Relays .....	675.59
26 24 19 00-0318	EA	600 Volt, 8 Pole, Control Relays .....	750.65
26 24 19 00-0319	EA	Pneumatic Timer, Control Relays .....	656.53
26 24 19 00-0320	EA	Motor Driven Timer, Control Relays .....	1,710.80
26 24 19 00-0321	EA	7 Days Time Switch, Control Relays .....	2,153.28
26 24 19 00-0322	EA	24 Hour Time Switch, Control Relays .....	603.81
26 24 19 00-0323	EA	Phase Voltage, Control Relays .....	1,027.12
26 24 19 00-0324	EA	Two Circuit Alternator, Control Relays .....	1,437.65
26 24 19 00-0325	EA	Manual 120 Volt, Control Relays .....	140.57
26 24 19 00-0326	EA	Over-Current Relay, Control Relays .....	4,437.68
26 24 19 00-0327	EA	UV-Relay, Control Relays .....	3,758.54
26 24 19 00-0328	EA	Over-Current Relay, Control Relays .....	3,758.54
26 24 19 00-0329	EA	Teleductor, Control Relays .....	1,059.07
26 24 19 00-0330	EA	Current Transducer, Control Relays .....	2,848.14
26 24 19 00-0331	EA	Watt Transducer, Control Relays .....	5,696.29
26 24 19 00-0332	EA	Control Relays, Blank, Add For Each 1x .....	193.28
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway .....	289.13
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway .....	325.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0335 EA Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway .....	362.61	
26 24 19 00-0336 EA Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway .....	325.87	
26 24 19 00-0337 EA Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway .....	362.61	
26 24 19 00-0338 EA Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway .....	381.78	
<b>26 24 19 00-0339 Circuit Breaker Modifications/Accessories (26 24 19 00-0268)</b>		
26 24 19 00-0340 EA Shunt Trip, Circuit Breaker.....	340.78	
26 24 19 00-0341 EA Auxiliary Switch, Circuit Breaker .....	117.71	
26 24 19 00-0342 EA Key Interlock, Circuit Breaker.....	423.36	
26 24 19 00-0343 EA GFR Ground Fault, Circuit Breaker.....	1,951.65	
26 24 19 00-0344 EA Seltronic Breaker, Circuit Breaker.....	1,130.55	
<b>26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers (26 24 19 00-0268)</b>		
26 24 19 00-0346 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100 .....	1,428.41	57.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.21	
26 24 19 00-0347 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150 .....	2,478.68	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 24 19 00-0348 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100 .....	2,400.88	57.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.21	
26 24 19 00-0349 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150 .....	3,449.11	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 24 19 00-0350 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150 .....	4,440.00	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 24 19 00-0351 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250 .....	2,719.71	114.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.44	
26 24 19 00-0352 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400 .....	4,436.53	122.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.71	
26 24 19 00-0353 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600 .....	5,853.66	157.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	94.71	
26 24 19 00-0354 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800 .....	6,864.14	241.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	144.80	
26 24 19 00-0355 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200 .....	9,712.32	364.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	218.62	
26 24 19 00-0356 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000 .....	21,414.76	482.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	289.26	
26 24 19 00-0357 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500 .....	32,044.04	605.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	362.86	
26 24 19 00-0358 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000 .....	53,580.52	701.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	421.47	
26 24 19 00-0359 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	1,721.18	57.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.21	
26 24 19 00-0360 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150.....	2,763.26	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 24 19 00-0361 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	1,721.18	57.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.21	
26 24 19 00-0362 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50.....	2,763.26	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 24 19 00-0363 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150.....	2,943.42	57.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.21	
26 24 19 00-0364 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150.....	4,026.45	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 24 19 00-0365 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	5,005.06	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 24 19 00-0366 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100.....	2,621.99	87.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 24 19 00-0367 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400.....	6,634.84	241.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	144.80	
26 24 19 00-0368 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225 .....	6,634.84	241.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	144.80	
26 24 19 00-0369 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400 .....	8,961.07	263.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	157.85	
26 24 19 00-0370 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600 .....	11,198.43	307.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.16	
26 24 19 00-0371 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800 .....	12,881.56	364.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	218.62	
<b>26 24 19 00-0372 Incoming Line And Feeder Fusible Switches (26 24 19 00-0268)</b>		
26 24 19 00-0373 EA 30 To 60 Amperes, Incoming Line And Feeder Fusible Switches.....	1,817.50	87.73
26 24 19 00-0374 EA Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual.....	2,838.53	87.73
26 24 19 00-0375 EA 100 Amperes, Incoming Line And Feeder Fusible Switches .....	2,467.26	109.66
26 24 19 00-0376 EA 200 Amperes, Incoming Line And Feeder Fusible Switches.....	4,028.24	131.59
26 24 19 00-0377 EA 400 Amperes, Incoming Line And Feeder Fusible Switches.....	7,971.96	166.68
26 24 19 00-0378 EA 600 Amperes, Incoming Line And Feeder Fusible Switches.....	11,187.02	219.32
26 24 19 00-0379 EA 800 Amperes, Incoming Line And Feeder Fusible Switches.....	27,290.42	293.89
26 24 19 00-0380 EA 1,200 Amperes, Incoming Line And Feeder Fusible Switches.....	30,764.03	407.95
<b>26 24 19 00-0381 Dry Type Distribution Transformers (26 24 19 00-0268)</b>		
26 24 19 00-0382 EA 500 VA, Phase 1, Dry Type Distribution Transformers .....	1,396.26	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0383 EA 750 VA, Phase 1, Dry Type Distribution Transformers .....	1,441.30	
26 24 19 00-0384 EA 1,000 VA, Phase 1, Dry Type Distribution Transformers .....	1,488.39	
26 24 19 00-0385 EA 1,500 VA, Phase 1, Dry Type Distribution Transformers .....	1,707.45	
26 24 19 00-0386 EA 2,000 VA, Phase 1, Dry Type Distribution Transformers .....	1,850.77	
26 24 19 00-0387 EA 3,000 VA, Phase 1, Dry Type Distribution Transformers .....	2,495.61	
26 24 19 00-0388 EA 5,000 VA, Phase 1, Dry Type Distribution Transformers .....	2,518.19	
26 24 19 00-0389 EA 7,500 VA, Phase 1, Dry Type Distribution Transformers .....	2,837.57	
26 24 19 00-0390 EA 9,000 VA, Phase 3, Dry Type Distribution Transformers .....	6,596.42	
26 24 19 00-0391 EA 10,000 VA, Phase 1, Dry Type Distribution Transformers .....	3,500.90	
26 24 19 00-0392 EA 15,000 VA, Phase 1, Dry Type Distribution Transformers .....	4,850.07	
26 24 19 00-0393 EA 15,000 VA, Phase 3, Dry Type Distribution Transformers .....	7,558.66	
26 24 19 00-0394 EA 20,000 VA, Phase 1, Dry Type Distribution Transformers .....	6,999.74	
26 24 19 00-0395 EA 30,000 VA, Phase 1, Dry Type Distribution Transformers .....	9,700.14	
26 24 19 00-0396 EA 30,000 VA, Phase 3, Dry Type Distribution Transformers .....	11,931.50	
26 24 19 00-0397 EA 45,000 VA, Phase 1, Dry Type Distribution Transformers .....	16,527.34	
<b>26 24 19 00-0398 Metering Equipment (26 24 19 00-0268)</b>		
26 24 19 00-0399 EA Metering Equipment, Voltmeter, Panel Type .....	659.23	
26 24 19 00-0400 EA Metering Equipment, Voltmeter, Switchboard Type .....	1,441.30	
26 24 19 00-0401 EA Metering Equipment, Ammeter, Panel .....	593.72	
26 24 19 00-0402 EA Metering Equipment, Ammeter, Switchboard Type .....	1,441.30	
26 24 19 00-0403 EA Metering Equipment, Voltmeter/Ammeter, Switch .....	800.50	
26 24 19 00-0404 EA Metering Equipment, Control Switch, 4 Circuits .....	849.63	
26 24 19 00-0405 EA Add For Additional Circuits .....	127.92	
26 24 19 00-0406 EA Metering Equipment, Indicating Wattmeter .....	2,972.69	
26 24 19 00-0407 EA Metering Equipment, Indicating Power Factor .....	3,113.95	
26 24 19 00-0408 EA Metering Equipment, Integrating Watt-hour .....	2,745.44	
26 24 19 00-0409 EA Add For Demand Attachment .....	837.30	
26 24 19 00-0410 EA 800 Amperes, Metering Equipment, Current Transformer .....	820.97	
26 24 19 00-0411 EA 1,000 Amperes, Metering Equipment, Current Transformer .....	1,416.74	
26 24 19 00-0412 EA 2,000 Amperes, Metering Equipment, Current Transformer .....	1,650.13	
26 24 19 00-0413 EA Metering Equipment, Potential Transformer .....	1,375.79	
26 24 19 00-0414 EA Metering Equipment, Surge Arrester .....	1,480.20	
26 24 19 00-0415 EA Metering Equipment, Ground Detector System .....	1,132.16	
<b>26 24 19 00-0416 Current Limiting Reactors (26 24 19 00-0268)</b>		
26 24 19 00-0417 EA 600 Amperes, Current Limiting Reactors .....	25,269.92	
26 24 19 00-0418 EA 800 Amperes, Current Limiting Reactors .....	36,800.35	
26 24 19 00-0419 EA 1,000 Amperes, Current Limiting Reactors .....	48,357.40	
26 24 19 00-0420 EA 1,200 Amperes, Current Limiting Reactors .....	73,608.89	
<b>26 24 19 00-0421 Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)</b>		
26 24 19 00-0422 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Screw .....	481.91	
26 24 19 00-0423 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp .....	481.91	
26 24 19 00-0424 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Screw .....	666.24	
26 24 19 00-0425 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp .....	1,219.21	
26 24 19 00-0426 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Screw .....	666.24	
26 24 19 00-0427 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp .....	850.56	
26 24 19 00-0428 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Screw .....	850.56	
26 24 19 00-0429 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp .....	1,216.99	
26 24 19 00-0430 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Screw .....	850.56	
26 24 19 00-0431 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp .....	1,216.99	
26 24 19 00-0432 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Screw .....	1,034.88	
26 24 19 00-0433 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp .....	3,355.60	
26 24 19 00-0434 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw .....	1,034.88	
26 24 19 00-0435 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp .....	1,216.99	
26 24 19 00-0436 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw .....	3,355.60	
26 24 19 00-0437 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp .....	3,355.60	
26 24 19 00-0438 EA Bus Duct Transition Pull Box .....	1,015.35	
26 24 19 00-0439 EA Throat And Transition To Substation .....	1,960.12	
26 24 19 00-0440 EA Service Entrance Label .....	424.49	
26 24 19 00-0441 EA Type W To 5 Star - 10" Transition .....	887.30	
26 24 19 00-0442 EA 600 Amperes, Sub Feed Lugs On Main Bus .....	555.87	
<b>26 24 19 00-0443 Standard Structures And Structure Options/Modifications (26 24 19 00-0268)</b>		
26 24 19 00-0444 EA Standard Structure Add For Each Additional 4" Of Structure Width .....	280.30	
26 24 19 00-0445 EA Standard Structure Add For 8" Vertical Wireway In Lieu Of 4" .....	280.30	
26 24 19 00-0446 EA Standard Structure Single Corner Section "L", 16" Depth .....	867.13	
26 24 19 00-0447 EA Standard Structure Single Corner Section "L", 21" Depth .....	978.04	
26 24 19 00-0448 EA Standard Structure Unused Space/Future Space .....	83.69	
26 24 19 00-0449 EA Standard Structure NEMA 12 Dustproof .....	225.86	
26 24 19 00-0450 EA Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure .....	47.39	
26 24 19 00-0451 EA Standard Structure 150 Watt Space .....	203.67	
26 24 19 00-0452 EA Standard Structure Thermostat For Space Heater Control .....	676.82	
26 24 19 00-0453 EA Standard Structure Rear Hinged Structure Door, 72" High .....	203.67	
26 24 19 00-0454 EA Standard Structure NEMA 2 Drip Shield On Top Of MCC .....	437.26	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0455	EA		Standard Structure NEMA 3R N-Walk In Front Mounted .....	6,237.87	
26 24 19 00-0456	EA		Standard Structure NEMA 3R N-Walk In Back-to-back .....	7,210.07	
26 24 19 00-0457	EA		Standard Structure NEMA 3R Walk-In Aisle Front Mounted.....	7,217.05	
<b>26 24 19 00-0458 Installation Hours For Vertical Sections (26 24 19 00-0268)</b>					
26 24 19 00-0459	EA		Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes .....	526.36	263.19
26 24 19 00-0460	EA		Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes .....	789.54	394.79
26 24 19 00-0461	EA		Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes .....	877.30	438.66
26 24 19 00-0462	EA		Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes .....	1,052.86	526.38
26 24 19 00-0463	EA		Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes .....	87.73	43.86
26 24 19 00-0464	EA		Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes .....	526.36	263.19
26 24 19 00-0465	EA		Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes .....	789.54	394.79
26 24 19 00-0466	EA		Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes .....	877.30	438.66
26 24 19 00-0467	EA		Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes .....	1,052.86	526.38
26 24 19 00-0468	EA		Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes .....	87.73	43.86
26 24 19 00-0469	EA		Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes .....	614.13	307.05
26 24 19 00-0470	EA		Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes .....	789.54	394.79
26 24 19 00-0471	EA		Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes .....	1,052.86	526.38
26 24 19 00-0472	EA		Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes .....	1,228.07	614.03
26 24 19 00-0473	EA		Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes .....	131.59	65.80
26 24 19 00-0474	EA		Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes .....	701.84	350.92
26 24 19 00-0475	EA		Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes .....	965.11	482.52
26 24 19 00-0476	EA		Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes .....	1,228.07	614.03
26 24 19 00-0477	EA		Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes .....	1,403.45	701.76
26 24 19 00-0478	EA		Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes .....	175.46	87.73
26 24 19 00-0479	EA		Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes .....	701.84	350.92
26 24 19 00-0480	EA		Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes .....	1,052.86	526.38
26 24 19 00-0481	EA		Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes .....	1,315.82	657.89
26 24 19 00-0482	EA		Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes .....	1,491.51	745.80
26 24 19 00-0483	EA		Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes .....	175.46	87.73
<b>26 24 19 00-0484 Motor Control Centers (26 24 19)</b>					
<b>26 24 19 00-0485 2.4 KV Motor Control Centers (26 24 19 00-0484)</b>					
26 24 19 00-0486	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp .....	16,651.15	175.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.28	
26 24 19 00-0487	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp .....	16,651.15	175.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.28	
26 24 19 00-0488	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp .....	16,651.15	175.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.28	
26 24 19 00-0489	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp .....	16,695.04	197.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.44	
26 24 19 00-0490	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp .....	17,725.87	219.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.60	
26 24 19 00-0491	EA		2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp .....	17,769.71	241.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.75	
26 24 19 00-0492	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp .....	17,813.57	263.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.91	
26 24 19 00-0493	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp .....	17,901.34	307.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.24	
26 24 19 00-0494	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp .....	17,989.05	350.92
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	210.55	
26 24 19 00-0495	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp .....	30,379.19	394.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	236.86	
26 24 19 00-0496	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp .....	32,600.43	438.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	263.19	
26 24 19 00-0497	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp .....	24,742.44	175.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.28	
26 24 19 00-0498	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp .....	25,773.70	188.62
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.18	
26 24 19 00-0499	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp .....	29,284.17	206.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.70	
26 24 19 00-0500	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp .....	32,600.46	219.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.60	
26 24 19 00-0501	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp .....	35,462.14	254.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	152.66	
26 24 19 00-0502	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp .....	38,856.94	271.96
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	163.18	
26 24 19 00-0503	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp .....	42,249.75	289.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.70	
26 24 19 00-0504	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp .....	46,272.32	315.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	189.50	
26 24 19 00-0505	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp .....	53,853.54	350.92
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	210.55	
26 24 19 00-0506	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp .....	58,349.87	372.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	223.73	
26 24 19 00-0507	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp .....	89,167.71	438.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	263.19	
26 24 19 00-0508	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp .....	94,997.98	482.52
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	289.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0509 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp.....	100,070.51	526.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	315.86	
26 24 19 00-0510 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp.....	108,967.45	570.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	342.21	
26 24 19 00-0511 EA 2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp.....	23,340.72	175.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.28	
26 24 19 00-0512 EA 2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp.....	23,384.61	197.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	118.44	
26 24 19 00-0513 EA 2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp.....	23,428.46	219.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	131.60	
26 24 19 00-0514 EA 2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp.....	23,472.30	241.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	144.75	
26 24 19 00-0515 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp.....	23,520.15	263.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	157.91	
26 24 19 00-0516 EA 2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP.....	23,564.06	285.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	171.08	
26 24 19 00-0517 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp.....	23,607.92	307.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.24	
26 24 19 00-0518 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp.....	23,783.33	394.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	236.86	
26 24 19 00-0519 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp.....	40,625.93	438.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	263.19	
26 24 19 00-0520 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp.....	40,713.74	482.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	289.53	
26 24 19 00-0521 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp.....	42,923.01	526.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	315.86	
26 24 19 00-0522 EA Add For Reversing Starters, 100 To 700 HP.....	9,168.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 24 19 00-0523 EA Add For Reversing Starters, 1,000 To 1,500 Hp.....	9,447.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 24 19 00-0524 EA Add For Reversing Starters, 1,750 To 2,500 HP.....	14,481.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
<b>26 24 19 00-0525 4.8 KV Motor Control Centers (26 24 19 00-0484)</b>		
26 24 19 00-0526 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP.....	18,092.72	263.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	157.91	
26 24 19 00-0527 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP.....	18,136.63	285.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	171.08	
26 24 19 00-0528 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP.....	18,180.49	307.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.24	
26 24 19 00-0529 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP.....	18,224.37	328.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	197.40	
26 24 19 00-0530 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP.....	19,245.22	350.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	210.55	
26 24 19 00-0531 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP.....	19,289.14	372.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	223.73	
26 24 19 00-0532 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP.....	19,332.92	394.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	236.86	
26 24 19 00-0533 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP.....	19,376.86	416.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	250.04	
26 24 19 00-0534 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP.....	19,420.68	438.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	263.19	
26 24 19 00-0535 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP.....	32,973.49	570.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	342.21	
26 24 19 00-0536 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP.....	33,060.87	614.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	368.42	
26 24 19 00-0537 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP.....	35,272.14	657.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	394.75	
26 24 19 00-0538 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP.....	35,359.77	701.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	421.04	
26 24 19 00-0539 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP.....	25,201.02	263.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	157.91	
26 24 19 00-0540 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP.....	25,524.07	285.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	171.08	
26 24 19 00-0541 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP.....	29,775.09	307.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.24	
26 24 19 00-0542 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP.....	33,098.95	328.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	197.40	
26 24 19 00-0543 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP.....	35,934.26	350.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	210.55	
26 24 19 00-0544 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP.....	39,337.92	372.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	223.73	
26 24 19 00-0545 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP.....	42,532.08	394.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	236.86	
26 24 19 00-0546 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP.....	46,753.27	416.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	250.04	
26 24 19 00-0547 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP.....	54,174.56	438.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	263.19	
26 24 19 00-0548 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP.....	59,215.19	460.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	276.36	
26 24 19 00-0549 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP.....	64,299.68	504.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	302.68	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0550	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP.....	68,508.89	526.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	315.86	
26 24 19 00-0551	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP.....	72,478.67	548.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	328.99	
26 24 19 00-0552	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP.....	78,035.89	570.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	342.21	
26 24 19 00-0553	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP.....	123,779.78	701.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	421.04	
26 24 19 00-0554	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP.....	137,665.71	745.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	447.45	
26 24 19 00-0555	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP.....	165,518.50	789.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	473.72	
26 24 19 00-0556	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP.....	175,099.24	789.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	473.72	
26 24 19 00-0557	EA		4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP.....	24,866.08	307.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.24	
26 24 19 00-0558	EA		4.8 KV CL 14-202, Synchronous Motor Control, 700 HP.....	24,909.96	328.98
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	197.40	
26 24 19 00-0559	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP.....	24,953.79	350.92
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	210.55	
26 24 19 00-0560	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP.....	24,997.71	372.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	223.73	
26 24 19 00-0561	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP.....	27,143.07	394.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	236.86	
26 24 19 00-0562	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP.....	27,187.01	416.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	250.04	
26 24 19 00-0563	EA		4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP.....	27,230.83	438.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	263.19	
26 24 19 00-0564	EA		4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP.....	27,274.72	460.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	276.36	
26 24 19 00-0565	EA		4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP.....	27,318.64	482.52
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	289.53	
26 24 19 00-0566	EA		4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP.....	27,581.60	614.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	368.42	
26 24 19 00-0567	EA		4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP.....	44,703.34	657.89
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	394.75	
26 24 19 00-0568	EA		4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP.....	46,904.51	701.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	421.04	
26 24 19 00-0569	EA		4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP.....	46,904.51	701.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	421.04	
26 24 19 00-0570	EA		Add For Reversing Starters, 100 To 1,250 HP.....	10,191.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.64	
26 24 19 00-0571	EA		Add For Reversing Starters, 1,500 To 2,500 HP.....	10,502.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.64	
26 24 19 00-0572	EA		Add For Reversing Starters, 3,000 To 4,500 HP.....	16,109.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.64	
<b>26 24 19 00-0573</b>			<b>2.4/4.8 KV Motor Control Centers, Accessories</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0574	EA		2.4/4.8 KV Load Break Disconnect Switch 600 Amperes.....	13,231.45	175.46
26 24 19 00-0575	EA		2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes.....	15,874.18	263.19
26 24 19 00-0576	EA		2.4/4.8 KV NEMA 3 Weather Resistant.....	5,243.26	
26 24 19 00-0577	EA		2.4/4.8 KV Space Heaters.....	228.36	13.16
26 24 19 00-0578	EA		2.4/4.8 KV Potential Transformer Fused.....	1,519.01	
26 24 19 00-0579	EA		2.4/4.8 KV Current Transformer 600 Volt, 5 KVA.....	815.03	
26 24 19 00-0580	EA		2.4/4.8 KV Control Transformer 4 KVA Max.....	2,427.31	
26 24 19 00-0581	EA		2.4/4.8 KV Pushbuttons Each.....	155.45	
26 24 19 00-0582	EA		2.4/4.8 KV Selector Switch Each.....	515.22	
26 24 19 00-0583	EA		2.4/4.8 KV Indicating Light.....	155.45	
26 24 19 00-0584	EA		2.4/4.8 KV Push To Test Light.....	470.81	
26 24 19 00-0585	EA		2.4/4.8 KV AC Voltmeter, Switchboard Type.....	1,252.52	
26 24 19 00-0586	EA		2.4/4.8 KV AC Ammeter, Switchboard Type.....	1,252.52	
26 24 19 00-0587	EA		2.4/4.8 KV Power Factor Meter.....	3,746.46	
26 24 19 00-0588	EA		2.4/4.8 KV Watt Hr Meter, 2 Element Drawout.....	2,582.77	
26 24 19 00-0589	EA		2.4/4.8 KV Operation Counter.....	497.12	13.16
26 24 19 00-0590	EA		2.4/4.8 KV Phase Failure Protection.....	3,601.01	43.86
26 24 19 00-0591	EA		2.4/4.8 KV Ground Protection.....	6,910.52	21.93
26 24 19 00-0592	EA		2.4/4.8 KV Synchronous Motor DC Protection.....	2,763.56	21.93
26 24 19 00-0593	EA		2.4/4.8 KV Lightning Arresters.....	5,126.85	13.16
26 24 19 00-0594	EA		2.4/4.8 KV Portable Lifting Mechanism.....	7,434.88	
26 24 19 00-0595	EA		2.4/4.8 KV Auxiliary Timing Relay.....	561.12	43.86
26 24 19 00-0596	EA		2.4/4.8 KV Auxiliary Control Relay.....	400.78	43.86
<b>26 24 19 00-0597</b>			<b>Incoming Section And Feeder Air Circuit Breakers</b> <small>(26 24 19 00-0484)</small>		
			Note: 3 Pole. Includes structure.		
26 24 19 00-0598	EA		Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included.....	1,134.88	263.15
26 24 19 00-0599	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included.....	1,964.27	465.80
26 24 19 00-0600	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	2,322.40	596.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0601 EA Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	3,745.51	960.41
26 24 19 00-0602 EA Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	4,431.87	1,056.45
26 24 19 00-0603 EA Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	5,834.42	1,171.70
26 24 19 00-0604 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included.....	6,784.01	1,373.38
26 24 19 00-0605 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included.....	12,218.83	1,600.04
<b>26 24 19 00-0606 Main Lugs Only</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0607 EA 600 Amperes Incoming Section, Main Lugs.....	834.74	336.15
26 24 19 00-0608 EA 800 Amperes Incoming Section, Main Lugs.....	902.73	336.15
26 24 19 00-0609 EA 1,200 Amperes Incoming Section, Main Lugs.....	1,247.54	528.22
26 24 19 00-0610 EA 2,000 Amperes Incoming Section, Main Lugs.....	3,270.31	960.41
26 24 19 00-0611 EA 3,000 Amperes Incoming Section, Main Lugs.....	5,004.16	1,392.59
26 24 19 00-0612 EA 4,000 Amperes Incoming Section, Main Lugs.....	7,200.80	1,920.82
<b>26 24 19 00-0613 Incoming Main Circuit Breaker Structure</b> <small>(26 24 19 00-0484)</small>		
Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0614 EA 225 Amperes, Main Circuit Breaker Section.....	6,629.02	464.75
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0615 EA 400 Amperes, Main Circuit Breaker Section.....	14,300.79	596.99
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0616 EA 600 Amperes, Main Circuit Breaker Section.....	14,666.34	929.86
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0617 EA 800 Amperes, Main Circuit Breaker Section.....	21,068.67	929.86
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0618 EA 1,200 Amperes, Main Circuit Breaker Section.....	30,667.09	1,052.13
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
<b>26 24 19 00-0619 Incoming Fusible Main Disconnect Section</b> <small>(26 24 19 00-0484)</small>		
Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0620 EA 200 Amperes, Fusible Main Disconnect Section.....	5,719.76	465.32
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0621 EA 400 Amperes, Fusible Main Disconnect Section.....	7,923.99	597.28
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0622 EA 600 Amperes, Fusible Main Disconnect Section.....	15,619.25	930.64
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0623 EA 800 Amperes, Fusible Main Disconnect Section.....	18,245.61	930.64
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0624 EA 1,200 Amperes, Fusible Main Disconnect Section..... <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	25,848.05 182.00 334.00 97.00 245.00 108.00	1,053.09
<b>26 24 19 00-0625 Circuit Breaker Combination Starters</b> <small>(26 24 19 00-0484)</small>		
<b>26 24 19 00-0626 Class I, Type A</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0627 EA Size 1, Class I, Type A Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	965.73 111.16	194.96
26 24 19 00-0628 EA Size 2, Class I, Type A Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,128.93 123.13	194.96
26 24 19 00-0629 EA Size 3, Class I, Type A Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,650.59 165.59	276.60
26 24 19 00-0630 EA Size 4, Class I, Type A Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,733.68 218.27	364.00
26 24 19 00-0631 EA Size 5, Class I, Type A Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,002.97 272.84	455.23
<b>26 24 19 00-0632 Class I, Type B</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0633 EA Size 1, Class I, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	922.18 96.04	169.99
26 24 19 00-0634 EA Size 2, Class I, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,079.02 108.16	169.99
26 24 19 00-0635 EA Size 3, Class I, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,591.14 147.75	245.87
26 24 19 00-0636 EA Size 4, Class I, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,673.05 200.09	333.26
26 24 19 00-0637 EA Size 5, Class I, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,954.07 258.17	425.46
<b>26 24 19 00-0638 Class I, Type C</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0639 EA Size 1, Class I, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	984.23 86.99	157.51
26 24 19 00-0640 EA Size 2, Class I, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,149.16 102.17	157.51
26 24 19 00-0641 EA Size 3, Class I, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,716.64 141.24	235.30
26 24 19 00-0642 EA Size 4, Class I, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,804.00 195.21	325.58
26 24 19 00-0643 EA Size 5, Class I, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,078.79 250.11	417.78
<b>26 24 19 00-0644 Class II, Type B</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0645 EA Size 1, Class II, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	950.41 131.93	233.38
26 24 19 00-0646 EA Size 2, Class II, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,341.35 147.30	233.38
26 24 19 00-0647 EA Size 3, Class II, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,919.00 186.13	311.17
26 24 19 00-0648 EA Size 4, Class II, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,184.37 240.10	398.57
26 24 19 00-0649 EA Size 5, Class II, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,856.13 292.81	486.93
<b>26 24 19 00-0650 Class II, Type C</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0651 EA Size 1, Class II, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,216.65 126.37	220.90
26 24 19 00-0652 EA Size 2, Class II, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,402.58 137.99	220.90
26 24 19 00-0653 EA Size 3, Class II, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,049.75 180.53	301.57
26 24 19 00-0654 EA Size 4, Class II, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,308.27 233.11	388.97
26 24 19 00-0655 EA Size 5, Class II, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,993.79 289.28	480.20
<b>26 24 19 00-0656 Fused Disconnect Combination Starter</b> <small>(26 24 19 00-0484)</small>		
<b>26 24 19 00-0657 Class I, Type A</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0658 EA Size 1, Class I, Type A Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	876.37 108.16	179.60
26 24 19 00-0659 EA Size 2, Class I, Type A Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,332.56 147.30	245.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0660 EA Size 3, Class I, Type A Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,147.60 192.08	319.81
26 24 19 00-0661 EA Size 4, Class I, Type A Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,932.90 269.78	448.51
26 24 19 00-0662 EA Size 5, Class I, Type A Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,229.53 343.00	571.44
<b>26 24 19 00-0663 Class I, Type B</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0664 EA Size 1, Class I, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	902.40 96.04	160.39
26 24 19 00-0665 EA Size 2, Class I, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,213.53 131.93	219.93
26 24 19 00-0666 EA Size 3, Class I, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,808.67 176.54	293.89
26 24 19 00-0667 EA Size 4, Class I, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,053.71 255.43	424.50
26 24 19 00-0668 EA Size 5, Class I, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,337.30 324.46	539.75
<b>26 24 19 00-0669 Class I, Type C</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0670 EA Size 1, Class I, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	963.33 89.93	149.83
26 24 19 00-0671 EA Size 2, Class I, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,293.32 123.13	203.61
26 24 19 00-0672 EA Size 3, Class I, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,980.34 171.50	283.32
26 24 19 00-0673 EA Size 4, Class I, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,224.47 250.11	417.78
26 24 19 00-0674 EA Size 5, Class I, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,039.76 320.14	533.99
<b>26 24 19 00-0675 Class II, Type B</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0676 EA Size 1, Class II, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,128.58 134.89	224.74
26 24 19 00-0677 EA Size 2, Class II, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,462.43 167.90	280.44
26 24 19 00-0678 EA Size 3, Class II, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,139.62 216.31	361.12
26 24 19 00-0679 EA Size 4, Class II, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,525.51 292.81	486.93
26 24 19 00-0680 EA Size 5, Class II, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,142.98 363.79	607.94
<b>26 24 19 00-0681 Class II, Type C</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0682 EA Size 1, Class II, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,181.49 126.37	211.29
26 24 19 00-0683 EA Size 2, Class II, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,541.89 159.01	265.07
26 24 19 00-0684 EA Size 3, Class II, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,287.10 206.98	344.79
26 24 19 00-0685 EA Size 4, Class II, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,680.85 285.84	475.41
26 24 19 00-0686 EA Size 5, Class II, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,295.81 353.09	588.73
<b>26 24 19 00-0687 Space Complete With Bus And Hardware</b> <small>(26 24 19 00-0484)</small>		
<b>26 24 19 00-0688 Circuit Breaker Type</b> <small>(26 24 19 00-0687)</small>		
26 24 19 00-0689 EA Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware.....	266.36	65.31
26 24 19 00-0690 EA Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware.....	266.36	65.31
26 24 19 00-0691 EA Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware.....	396.64	95.09
26 24 19 00-0692 EA Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware.....	464.79	124.85
26 24 19 00-0693 EA Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware.....	790.20	190.16
<b>26 24 19 00-0694 Fused Disconnect Type</b> <small>(26 24 19 00-0687)</small>		
26 24 19 00-0695 EA Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware.....	266.36	65.31
26 24 19 00-0696 EA Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware.....	348.83	95.09
26 24 19 00-0697 EA Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware.....	488.19	124.85
26 24 19 00-0698 EA Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware.....	855.48	190.16
26 24 19 00-0699 EA Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware.....	1,186.85	276.60
<b>26 24 19 00-0700 Blank Space For Future Expansion</b> <small>(26 24 19 00-0687)</small>		
Note: Factory modified no labor costs.		
26 24 19 00-0701 EA Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs.....	136.23	
26 24 19 00-0702 EA Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs.....	136.23	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0703	EA		Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs .....	206.54	
26 24 19 00-0704	EA		Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs .....	206.54	
26 24 19 00-0705	EA		Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs .....	410.89	
<b>26 24 19 00-0706</b>			<b>Structure Combination Of Starters To 72" High (26 24 19 00-0687)</b>		
26 24 19 00-0707	EA		Structure Combination Of Starters To 72" High .....	3,225.56	505.46
<b>26 24 19 00-0708</b>			<b>Motor Control Center Basic Distribution Section (26 24 19 00-0484)</b>		
26 24 19 00-0709	EA		20" Wide Basic Section With Vertical Wireway .....	5,173.28	1,316.33
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0710	EA		25"-35" Wide Basic Section (No Vertical Wireway) .....	5,173.28	1,316.33
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0711	EA		25" Wide Basic Section With 9" Wide Vertical Wireway .....	5,771.93	1,316.33
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0712	EA		Corner Section .....	5,771.93	1,316.33
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
<b>26 24 19 00-0713</b>			<b>Motor Control Center Starters With HMCP Circuit Breaker (26 24 19 00-0484)</b>		
			Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
<b>26 24 19 00-0714</b>			<b>FVNR Starters With HMCP Circuit Breaker (26 24 19 00-0713)</b>		
26 24 19 00-0715	EA		Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker .....	1,411.39	184.88
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.92	
26 24 19 00-0716	EA		Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker .....	1,571.27	205.05
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	123.02	
26 24 19 00-0717	EA		Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker .....	2,759.27	275.64
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	165.40	
26 24 19 00-0718	EA		Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker .....	4,018.23	363.41
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	218.08	
26 24 19 00-0719	EA		Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker .....	9,325.16	454.18
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	272.53	
26 24 19 00-0720	EA		Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker .....	22,078.52	454.18
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	272.53	
26 24 19 00-0721	EA		Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker .....	1,436.73	159.91
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.94	
26 24 19 00-0722	EA		Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker .....	1,620.50	180.07
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.04	
26 24 19 00-0723	EA		Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker .....	2,836.98	245.87
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.51	
26 24 19 00-0724	EA		Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker .....	4,034.18	333.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	199.97	
26 24 19 00-0725	EA		Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker .....	9,353.59	430.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	258.17	
26 24 19 00-0726	EA		Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker .....	22,244.18	430.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	258.17	
<b>26 24 19 00-0727</b>			<b>Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker (26 24 19 00-0713)</b>		
26 24 19 00-0728	EA		Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker .....	2,289.09	231.37
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	138.79	
26 24 19 00-0729	EA		Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker .....	2,820.60	255.95
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	153.59	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0730 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	4,682.71	344.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	206.39	
26 24 19 00-0731 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	8,116.18	454.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	272.84	
26 24 19 00-0732 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	14,768.55	568.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	341.38	
26 24 19 00-0733 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	2,340.41	199.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.85	
26 24 19 00-0734 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	2,896.46	225.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	135.14	
26 24 19 00-0735 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	4,785.86	307.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.70	
26 24 19 00-0736 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	8,154.83	416.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	250.11	
26 24 19 00-0737 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	14,821.76	538.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	323.01	
<b>26 24 19 00-0738 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker (26 24 19 00-0713)</b>		
26 24 19 00-0739 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	2,517.97	231.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	138.79	
26 24 19 00-0740 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	3,615.58	255.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	153.59	
26 24 19 00-0741 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	6,884.54	344.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	206.39	
26 24 19 00-0742 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	9,381.13	454.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	272.84	
26 24 19 00-0743 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	18,957.08	568.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	341.38	
26 24 19 00-0744 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	2,569.29	199.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.85	
26 24 19 00-0745 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	3,691.44	225.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	135.14	
26 24 19 00-0746 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	6,987.70	307.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.70	
26 24 19 00-0747 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	9,419.78	416.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	250.11	
26 24 19 00-0748 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	19,010.29	538.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	323.01	
<b>26 24 19 00-0749 Motor Control Center Starters With Fusible Disconnect (26 24 19 00-0484)</b>		
Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
<b>26 24 19 00-0750 FVNR Starters With Fusible Disconnect (26 24 19 00-0749)</b>		
26 24 19 00-0751 EA Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect.....	1,124.98	180.27
26 24 19 00-0752 EA Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect.....	1,461.99	245.00
26 24 19 00-0753 EA Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect.....	2,477.25	319.24
26 24 19 00-0754 EA Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect.....	4,216.51	449.66
26 24 19 00-0755 EA Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect.....	8,618.60	571.63
26 24 19 00-0756 EA Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect.....	22,235.50	571.63
26 24 19 00-0757 EA Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect.....	1,158.43	159.82
26 24 19 00-0758 EA Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect.....	1,510.10	219.45
26 24 19 00-0759 EA Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect.....	2,564.49	294.27
26 24 19 00-0760 EA Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect.....	4,244.97	425.75
26 24 19 00-0761 EA Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect.....	8,633.09	540.81
26 24 19 00-0762 EA Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect.....	22,387.32	540.81
<b>26 24 19 00-0763 Two Speed 2-Winding (TS2W) With Fusible Disconnect (26 24 19 00-0749)</b>		
26 24 19 00-0764 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,975.67	225.70
26 24 19 00-0765 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,756.36	306.27
26 24 19 00-0766 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	4,301.10	398.86
26 24 19 00-0767 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	9,136.55	563.66
26 24 19 00-0768 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	14,978.86	659.61
26 24 19 00-0769 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,037.27	199.77
26 24 19 00-0770 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,829.36	274.10
26 24 19 00-0771 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	4,415.39	368.22
26 24 19 00-0772 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	9,186.15	531.20
26 24 19 00-0773 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	15,018.11	622.06
<b>26 24 19 00-0774 Two Speed 1-Winding (TS1W) With Fusible Disconnect (26 24 19 00-0749)</b>		
26 24 19 00-0775 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,320.52	225.70
26 24 19 00-0776 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	3,563.55	306.27
26 24 19 00-0777 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	6,525.82	398.86
26 24 19 00-0778 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	9,600.42	563.66
26 24 19 00-0779 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	18,315.95	659.61
26 24 19 00-0780 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,383.14	199.77
26 24 19 00-0781 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	3,636.55	274.10
26 24 19 00-0782 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	6,640.12	368.22

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0783 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	9,650.02	531.20
26 24 19 00-0784 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	18,355.20	622.06
<b>26 24 19 00-0785 Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit (26 24 19 00-0484)</b>		
Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0786 EA 600 Amperes, Horizontal Tin Plated Copper Bus Kit .....	255.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.22	
26 24 19 00-0787 EA 800 Amperes, Horizontal Tin Plated Copper Bus Kit .....	314.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.22	
26 24 19 00-0788 EA 1,200 Amperes, Horizontal Tin Plated Copper Bus Kit .....	378.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.66	
26 24 19 00-0789 EA 1,600 Amperes, Horizontal Tin Plated Copper Bus Kit .....	494.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.66	
26 24 19 00-0790 EA 2,000 Amperes, Horizontal Tin Plated Copper Bus Kit .....	833.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.10	
26 24 19 00-0791 EA 1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit .....	145.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.77	
<b>26 24 19 00-0792 Disconnect Switch For Motor Control Centers (26 24 19 00-0484)</b>		
<b>26 24 19 00-0793 3 Pole Circuit Breaker Disconnect For Motor Control Center (26 24 19 00-0792)</b>		
Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794 EA 150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	765.70	138.78
26 24 19 00-0795 EA 150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,336.70	153.67
26 24 19 00-0796 EA 225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,631.45	206.97
26 24 19 00-0797 EA 400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	2,704.50	272.76
26 24 19 00-0798 EA 600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	4,667.82	340.94
26 24 19 00-0799 EA 800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	5,323.06	340.94
26 24 19 00-0800 EA 1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	10,956.29	426.90
<b>26 24 19 00-0801 Fusible Disconnect Switch For Motor Control Center (26 24 19 00-0792)</b>		
Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0802 EA 30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips.....	773.41	134.94
26 24 19 00-0803 EA 60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips.....	901.92	183.92
26 24 19 00-0804 EA 100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips.....	1,242.69	235.30
26 24 19 00-0805 EA 200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips.....	2,357.29	337.10
26 24 19 00-0806 EA 400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips.....	4,255.63	428.73
26 24 19 00-0807 EA 600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips.....	9,992.92	428.73
26 24 19 00-0808 EA 800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips.....	12,351.15	535.91
26 24 19 00-0809 EA 1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips.....	18,356.99	535.91
<b>26 24 19 00-0810 Control Circuit Transformer (26 24 19 00-0484)</b>		
26 24 19 00-0811 EA Control Circuit Transformer, Size 1 Factory Installed.....	72.68	
26 24 19 00-0812 EA Control Circuit Transformer, Size 2 Factory Installed.....	72.68	
26 24 19 00-0813 EA Control Circuit Transformer, Size 3 Factory Installed.....	139.97	
26 24 19 00-0814 EA Control Circuit Transformer, Size 4 Factory Installed.....	139.97	
26 24 19 00-0815 EA Control Circuit Transformer, Size 5 Factory Installed.....	194.46	
26 24 19 00-0816 EA Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay.....	48.98	10.87
<b>26 24 19 00-0817 Cover Mounted Control Devices (26 24 19 00-0484)</b>		
26 24 19 00-0818 EA Control Device, 2 Unit Push Button Station Cover Mounted.....	112.70	19.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.01	
26 24 19 00-0819 EA Control Device, 2-3 Unit Selector Switch Cover Mounted.....	125.39	19.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.01	
26 24 19 00-0820 EA Control Device, Pilot Light Cover Mounted.....	108.03	19.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.99	
26 24 19 00-0821 EA Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light.....	281.95	65.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.36	
26 24 19 00-0822 EA Auxiliary Contact Add Per Starter.....	362.62	24.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.93	
<b>26 24 19 00-0823 Extra Interlocks (26 24 19 00-0484)</b>		
Note: Per contact.		
26 24 19 00-0824 EA Extra Interlocks, Class I, Type A Per Contact.....	72.52	12.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.99	
26 24 19 00-0825 EA Extra Interlocks, Class I, Type B Per Contact.....	102.90	12.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.99	
26 24 19 00-0826 EA Extra Interlocks, Class I, Type C Per Contact.....	116.16	12.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.50	
26 24 19 00-0827 EA Extra Interlocks, Class II, Type B Per Contact.....	105.08	12.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.00	
26 24 19 00-0828 EA Extra Interlocks, Class II, Type C Per Contact.....	112.33	12.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 24 19 00-0829</b> <b>Special Cabinet Provisions</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0830    EA    Provisions For Bus Duct Entrance Special Cabinet Provisions.....	909.82	
<b>26 24 19 00-0831</b> <b>Nameplate Requirements</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0832    EA    Special Cabinet Nameplate Requirements .....	32.30	
<b>26 24 19 00-0833</b> <b>Auxiliary Relays</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0834    EA    Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts.....	167.75	24.06
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>14.44</i>
26 24 19 00-0835    EA    Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay .....	158.03	21.65
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>14.44</i>
26 24 19 00-0836    EA    General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base .....	85.51	21.65
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>14.44</i>
<b>26 24 19 00-0837</b> <b>Motor Control Center Accessories</b> <small>(26 24 19 00-0484)</small>		
<b>26 24 19 00-0838</b> <b>Lighting Transformer With Circuit Breaker</b> <small>(26 24 19 00-0837)</small>		
	<small>Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.</small>	
26 24 19 00-0839    EA    1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,145.76	310.10
26 24 19 00-0840    EA    1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,350.02	322.50
26 24 19 00-0841    EA    1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,855.75	347.31
26 24 19 00-0842    EA    1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,386.46	372.13
26 24 19 00-0843    EA    1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,972.08	396.93
26 24 19 00-0844    EA    1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	12,265.86	446.54
26 24 19 00-0845    EA    1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	16,152.28	496.17
26 24 19 00-0846    EA    3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,387.51	409.33
26 24 19 00-0847    EA    3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	10,198.32	446.54
26 24 19 00-0848    EA    3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	11,669.72	496.17
26 24 19 00-0849    EA    3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	12,372.74	545.78
26 24 19 00-0850    EA    3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	14,952.52	595.39
26 24 19 00-0851    EA    3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	15,416.26	645.01
<b>26 24 19 00-0852</b> <b>Bolt-On Lighting Panel</b> <small>(26 24 19 00-0837)</small>		
	<small>Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.</small>	
26 24 19 00-0853    EA    18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	1,986.58	499.79
26 24 19 00-0854    EA    30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	3,052.11	869.94
26 24 19 00-0855    EA    42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	4,045.66	1,176.98
26 24 19 00-0856    EA    18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,068.53	540.81
26 24 19 00-0857    EA    30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	3,015.09	851.41
26 24 19 00-0858    EA    42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	4,192.78	1,250.55
26 24 19 00-0859    EA    18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt .....	3,484.75	579.71
26 24 19 00-0860    EA    30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt .....	4,560.52	930.64
26 24 19 00-0861    EA    42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt .....	5,654.57	1,250.55
26 24 19 00-0862    EA    18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt .....	3,575.93	625.22
26 24 19 00-0863    EA    30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt .....	4,560.52	930.64
26 24 19 00-0864    EA    42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt .....	5,735.24	1,290.88
<b>26 24 19 00-0865</b> <b>Factory Installed Bolt-On Branch Circuit Breaker</b> <small>(26 24 19 00-0837)</small>		
	<small>Note: For MCC lighting panel only.</small>	
26 24 19 00-0866    EA    15 To 30 Amperes, 1 Pole, Bolt-On Branch Circuit Breaker .....	19.58	
26 24 19 00-0867    EA    15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker .....	280.39	
26 24 19 00-0868    EA    15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker .....	38.27	
26 24 19 00-0869    EA    60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker .....	88.10	
26 24 19 00-0870    EA    15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker .....	103.23	
26 24 19 00-0871    EA    60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker .....	156.63	
<b>26 24 19 00-0872</b> <b>Blank Unit Door (BUD)</b> <small>(26 24 19 00-0837)</small>		
	<small>Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.</small>	
26 24 19 00-0873    EA    6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	74.77	
26 24 19 00-0874    EA    12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	89.73	
26 24 19 00-0875    EA    18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	134.59	
26 24 19 00-0876    EA    24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	179.45	
26 24 19 00-0877    EA    30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	269.18	
26 24 19 00-0878    EA    48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	314.04	
26 24 19 00-0879    EA    72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	358.90	

**26 25 Enclosed Bus Assemblies** (26 20)

**26 25 13 Low-Voltage Busways** (26 25)

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 25</b>	<b>Enclosed Bus Assemblies</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0001			<b>Plug-In Bus Duct</b> <sup>(26 25 13)</sup>		
			Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 13 00-0002			<b>600 Volt, 3-Phase, 3-Wire, Copper Conductors</b> <sup>(26 25 13 00-0001)</sup>		
26 25 13 00-0003	LF		225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	242.80	28.81
			For Up To 25, Add	60.70	
			For >25 To 50, Add	36.42	
			For >50 To 100, Add	18.21	
26 25 13 00-0004	LF		400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	343.93	28.81
			For Up To 25, Add	85.98	
			For >25 To 50, Add	51.59	
			For >50 To 100, Add	25.79	
26 25 13 00-0005	LF		600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	435.83	38.42
			For Up To 25, Add	108.96	
			For >25 To 50, Add	65.37	
			For >50 To 100, Add	32.69	
26 25 13 00-0006	LF		800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	601.85	38.42
			For Up To 25, Add	150.46	
			For >25 To 50, Add	90.28	
			For >50 To 100, Add	45.14	
26 25 13 00-0007	LF		1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	634.91	48.02
			For Up To 25, Add	158.73	
			For >25 To 50, Add	95.24	
			For >50 To 100, Add	47.62	
26 25 13 00-0008	LF		1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	884.54	48.02
			For Up To 25, Add	221.14	
			For >25 To 50, Add	132.68	
			For >50 To 100, Add	66.34	
26 25 13 00-0009	LF		1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,035.20	50.42
			For Up To 25, Add	258.80	
			For >25 To 50, Add	155.28	
			For >50 To 100, Add	77.64	
26 25 13 00-0010	LF		2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,260.40	51.86
			For Up To 25, Add	315.10	
			For >25 To 50, Add	189.06	
			For >50 To 100, Add	94.53	
26 25 13 00-0011	LF		2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,555.47	54.74
			For Up To 25, Add	388.87	
			For >25 To 50, Add	233.32	
			For >50 To 100, Add	116.66	
26 25 13 00-0012	LF		3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,796.05	63.87
			For Up To 25, Add	449.01	
			For >25 To 50, Add	269.41	
			For >50 To 100, Add	134.70	
26 25 13 00-0013	LF		4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,078.47	69.63
			For Up To 25, Add	519.62	
			For >25 To 50, Add	311.77	
			For >50 To 100, Add	155.89	
26 25 13 00-0014			<b>277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors</b> <sup>(26 25 13 00-0001)</sup>		
26 25 13 00-0015	LF		225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	397.60	28.81
			For Up To 25, Add	99.40	
			For >25 To 50, Add	59.64	
			For >50 To 100, Add	29.82	
26 25 13 00-0016	LF		400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	574.08	28.81
			For Up To 25, Add	143.52	
			For >25 To 50, Add	86.11	
			For >50 To 100, Add	43.06	
26 25 13 00-0017	LF		600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	649.11	38.42
			For Up To 25, Add	162.28	
			For >25 To 50, Add	97.37	
			For >50 To 100, Add	48.68	
26 25 13 00-0018	LF		800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	825.33	38.42
			For Up To 25, Add	206.33	
			For >25 To 50, Add	123.80	
			For >50 To 100, Add	61.90	
26 25 13 00-0019	LF		1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,006.88	48.02
			For Up To 25, Add	251.72	
			For >25 To 50, Add	151.03	
			For >50 To 100, Add	75.52	
26 25 13 00-0020	LF		1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,304.65	48.02
			For Up To 25, Add	326.16	
			For >25 To 50, Add	195.70	
			For >50 To 100, Add	97.85	
26 25 13 00-0021	LF		1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,686.76	49.75
			For Up To 25, Add	421.69	
			For >25 To 50, Add	253.01	
			For >50 To 100, Add	126.51	
26 25 13 00-0022	LF		2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,031.48	51.86
			For Up To 25, Add	507.87	
			For >25 To 50, Add	304.72	
			For >50 To 100, Add	152.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0023 LF 2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors ..... <i>For Up To 25, Add</i> <i>For &gt;25 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	2,519.41 629.85 377.91 188.96	54.26
26 25 13 00-0024 LF 3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors ..... <i>For Up To 25, Add</i> <i>For &gt;25 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	2,908.31 727.08 436.25 218.12	63.87
26 25 13 00-0025 LF 4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors ..... <i>For Up To 25, Add</i> <i>For &gt;25 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	3,371.27 842.82 505.69 252.85	69.63
<b>26 25 13 00-0026 Cable Tap Boxes</b> <small>(26 25 13 00-0001)</small>		
<b>26 25 13 00-0027 600 Volt, 3-Phase, 3-Wire, Copper Conductors</b> <small>(26 25 13 00-0026)</small>		
26 25 13 00-0028 EA 225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	1,999.16	134.46
26 25 13 00-0029 EA 400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,063.98	134.46
26 25 13 00-0030 EA 600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,229.98	182.48
26 25 13 00-0031 EA 800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,371.64	182.48
26 25 13 00-0032 EA 1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,542.42	240.10
26 25 13 00-0033 EA 1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,785.11	240.10
<b>26 25 13 00-0034 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors</b> <small>(26 25 13 00-0026)</small>		
26 25 13 00-0035 EA 225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	2,063.98	264.12
26 25 13 00-0036 EA 400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	2,241.00	264.12
26 25 13 00-0037 EA 600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	2,392.71	360.15
26 25 13 00-0038 EA 800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	2,688.31	360.15
26 25 13 00-0039 EA 1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	2,825.66	480.20
26 25 13 00-0040 EA 1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	3,215.22	480.20
<b>26 25 13 00-0041 Bus Duct Plug-In Circuit Breaker</b> <small>(26 25 13 00-0001)</small>		
<b>26 25 13 00-0042 240 Volt, 3-Phase</b> <small>(26 25 13 00-0041)</small>		
26 25 13 00-0043 EA 60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	898.00 52.54	96.04
26 25 13 00-0044 EA 100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,791.89 67.45	96.04
<b>26 25 13 00-0045 600 Volt, 3-Phase</b> <small>(26 25 13 00-0041)</small>		
26 25 13 00-0046 EA 60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,742.20 52.54	96.04
26 25 13 00-0047 EA 100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,256.65 67.45	96.04
<b>26 25 13 00-0048 120/208 Volt, 3-Phase, 4-Wire</b> <small>(26 25 13 00-0041)</small>		
26 25 13 00-0049 EA 60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,034.17 60.03	115.25
26 25 13 00-0050 EA 100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,234.99 75.03	115.25
<b>26 25 13 00-0051 277/480 Volt, 3-Phase, 4-Wire</b> <small>(26 25 13 00-0041)</small>		
26 25 13 00-0052 EA 60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,184.97 60.03	115.25
26 25 13 00-0053 EA 100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,825.47 75.03	115.25
26 25 13 00-0054 EA 225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,657.66 172.74	398.57
26 25 13 00-0055 EA 400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,348.45 375.16	398.57
26 25 13 00-0056 EA 600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,078.01 521.96	1,152.50
26 25 13 00-0057 EA 800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,816.74 923.47	1,152.50
<b>26 25 13 00-0058 Bus Duct Plug-In Fusible Switch</b> <small>(26 25 13 00-0001)</small>		
<b>26 25 13 00-0059 240 Volt, 3-Pole, 3-Fuse</b> <small>(26 25 13 00-0058)</small>		
26 25 13 00-0060 EA 30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	895.93	96.04
26 25 13 00-0061 EA 60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	982.89	96.04
26 25 13 00-0062 EA 100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,359.83	115.25
26 25 13 00-0063 EA 200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,293.57	230.50
26 25 13 00-0064 EA 400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	5,804.17	518.62
26 25 13 00-0065 EA 600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	8,660.36	902.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 25 13 00-0066</b> <b>600 Volt, 3-Pole, 3-Fuse</b> <small>(26 25 13 00-0058)</small>		
26 25 13 00-0067 EA 30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	932.89	105.64
26 25 13 00-0068 EA 60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,017.56	105.64
26 25 13 00-0069 EA 100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,372.18	105.64
26 25 13 00-0070 EA 200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	2,351.95	220.90
26 25 13 00-0071 EA 400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	5,778.52	499.41
26 25 13 00-0072 EA 600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	8,842.26	960.41
26 25 13 00-0073 EA 800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	14,544.91	1,248.53
<b>26 25 13 00-0074</b> <b>120/208 Volt, 4-pole, 3 Fuse</b> <small>(26 25 13 00-0058)</small>		
26 25 13 00-0075 EA 30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,037.37	124.85
26 25 13 00-0076 EA 60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,112.25	124.85
26 25 13 00-0077 EA 100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,504.05	124.85
26 25 13 00-0078 EA 200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	2,550.23	259.31
26 25 13 00-0079 EA 400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	6,366.24	576.25
26 25 13 00-0080 EA 600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	9,261.48	883.57
<b>26 25 13 00-0081</b> <b>277/480 Volt, 4-pole, 3-Fuse</b> <small>(26 25 13 00-0058)</small>		
26 25 13 00-0082 EA 30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,072.05	124.85
26 25 13 00-0083 EA 60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,146.93	105.94
26 25 13 00-0084 EA 100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,605.68	144.06
26 25 13 00-0085 EA 200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	2,658.81	259.31
26 25 13 00-0086 EA 400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	6,366.24	576.25
26 25 13 00-0087 EA 600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	9,261.48	883.57
26 25 13 00-0088 EA 800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	14,694.25	1,171.70
<b>26 25 16</b> <b>Low-Voltage Cablebus Systems</b> <small>(26 25)</small>		
<b>26 25 16 00-0001</b> <b>Feeder Bus Duct</b> <small>(26 25 16)</small>		
Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
<b>26 25 16 00-0002</b> <b>600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance</b> <small>(26 25 16 00-0001)</small>		
Note: Copper conductors.		
26 25 16 00-0003 LF 800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	723.46	40.33
For Up To 25, Add	180.87	
For >25 To 50, Add	108.52	
For >50 To 100, Add	54.26	
26 25 16 00-0004 LF 1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	733.05	40.33
For Up To 25, Add	183.26	
For >25 To 50, Add	109.96	
For >50 To 100, Add	54.98	
26 25 16 00-0005 LF 1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	960.22	40.33
For Up To 25, Add	240.06	
For >25 To 50, Add	144.03	
For >50 To 100, Add	72.02	
26 25 16 00-0006 LF 1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	1,153.74	40.33
For Up To 25, Add	288.44	
For >25 To 50, Add	173.06	
For >50 To 100, Add	86.53	
26 25 16 00-0007 LF 2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	1,410.55	40.33
For Up To 25, Add	352.64	
For >25 To 50, Add	211.58	
For >50 To 100, Add	105.79	
26 25 16 00-0008 LF 3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	1,924.64	96.04
For Up To 25, Add	481.16	
For >25 To 50, Add	288.70	
For >50 To 100, Add	144.35	
26 25 16 00-0009 LF 4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	2,661.41	96.04
For Up To 25, Add	665.35	
For >25 To 50, Add	399.21	
For >50 To 100, Add	199.61	
26 25 16 00-0010 LF 5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	3,148.72	96.04
For Up To 25, Add	787.18	
For >25 To 50, Add	472.31	
For >50 To 100, Add	236.15	
26 25 16 00-0011 LF 6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	3,879.30	96.04
For Up To 25, Add	969.83	
For >25 To 50, Add	581.90	
For >50 To 100, Add	290.95	
<b>26 25 16 00-0012</b> <b>277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated</b> <small>(26 25 16 00-0001)</small>		
Note: Low impedance, copper conductors.		
26 25 16 00-0013 LF 800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	829.98	43.22
For Up To 25, Add	207.50	
For >25 To 50, Add	124.50	
For >50 To 100, Add	62.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 16 00-0014 LF 1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports ..... <i>For Up To 25, Add</i> <i>For &gt;25 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	842.52 210.63 126.38 63.19	43.22
26 25 16 00-0015 LF 1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports ..... <i>For Up To 25, Add</i> <i>For &gt;25 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	1,084.94 271.24 162.74 81.37	43.22
26 25 16 00-0016 LF 1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports ..... <i>For Up To 25, Add</i> <i>For &gt;25 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	1,286.20 321.55 192.93 96.47	43.22
26 25 16 00-0017 LF 2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports ..... <i>For Up To 25, Add</i> <i>For &gt;25 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	1,554.03 388.51 233.10 116.55	43.22
26 25 16 00-0018 LF 3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports ..... <i>For Up To 25, Add</i> <i>For &gt;25 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	2,389.00 597.25 358.35 179.18	73.96
26 25 16 00-0019 LF 4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports ..... <i>For Up To 25, Add</i> <i>For &gt;25 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	2,996.48 749.12 449.47 224.74	73.96
26 25 16 00-0020 LF 5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports ..... <i>For Up To 25, Add</i> <i>For &gt;25 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	3,545.32 886.33 531.80 265.90	137.34
26 25 16 00-0021 LF 6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports ..... <i>For Up To 25, Add</i> <i>For &gt;25 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	4,373.61 1,093.40 656.04 328.02	137.34

## 26 27 Low-Voltage Distribution Equipment (26 20)

### 26 27 13 Electricity Metering (26 27)

#### 26 27 13 00-0001 Revenue Metering (26 27 13)

#### 26 27 13 00-0002 Meter Socket Base (26 27 13 00-0001)

Note: NEMA 3R.

26 27 13 00-0003 EA 100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass .....	228.89	62.42
26 27 13 00-0004 EA 100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass .....	243.24	62.42
26 27 13 00-0005 EA 200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass .....	311.48	76.83
26 27 13 00-0006 EA 200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass .....	315.56	76.83
26 27 13 00-0007 EA 200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release .....	620.91	86.44
26 27 13 00-0008 EA 320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release .....	829.03	96.04
26 27 13 00-0009 EA 400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release .....	2,071.47	105.64
26 27 13 00-0010 EA Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base .....	2,315.79	480.20

#### 26 27 13 00-0011 Meter Device (26 27 13 00-0001)

Note: Direct read, with 15 minute demand.

26 27 13 00-0012 EA 100 To 200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	232.50 11.81	19.20
26 27 13 00-0013 EA 200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	661.14 12.03	19.24

#### 26 27 13 00-0014 Current Transformer Enclosure (26 27 13 00-0001)

26 27 13 00-0015 EA 18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure .....	470.20	124.85
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#### 26 27 13 00-0016 120/240 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)

#### 26 27 13 00-0017 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole (26 27 13 00-0016)

26 27 13 00-0018 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	909.24	60.03
26 27 13 00-0019 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	1,197.87	72.03
26 27 13 00-0020 EA 5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	1,484.94	84.03
26 27 13 00-0021 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	1,720.96	96.04
26 27 13 00-0022 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	2,243.24	108.04
26 27 13 00-0023 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	2,421.99	120.05
26 27 13 00-0024 EA 10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	2,825.93	144.06

#### 26 27 13 00-0025 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole (26 27 13 00-0016)

26 27 13 00-0026 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max .....	1,682.96	60.03
26 27 13 00-0027 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max .....	2,217.64	72.03
26 27 13 00-0028 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max .....	3,054.86	96.04
26 27 13 00-0029 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max .....	3,388.34	108.04
26 27 13 00-0030 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max .....	4,263.44	120.05

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 27 13 00-0031</b> <b>800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0016)</small>		
26 27 13 00-0032 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,393.64	84.03
26 27 13 00-0033 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,832.38	96.04
26 27 13 00-0034 EA 5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,243.24	108.04
26 27 13 00-0035 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,638.63	120.05
26 27 13 00-0036 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,328.04	132.06
26 27 13 00-0037 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,491.33	144.06
26 27 13 00-0038 EA 10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,328.54	168.07
<b>26 27 13 00-0039</b> <b>1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0016)</small>		
26 27 13 00-0040 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,164.27	84.03
26 27 13 00-0041 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,838.21	96.04
26 27 13 00-0042 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,000.38	120.05
26 27 13 00-0043 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,287.45	132.06
26 27 13 00-0044 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,487.50	144.06
<b>26 27 13 00-0045</b> <b>120/208 Volt Meter Center And Main Breaker, Indoor Housing</b> <small>(26 27 13 00-0001)</small>		
<b>26 27 13 00-0046</b> <b>800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole</b> <small>(26 27 13 00-0045)</small>		
26 27 13 00-0047 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	988.96	72.03
26 27 13 00-0048 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	1,294.61	84.03
26 27 13 00-0049 EA 5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	1,598.71	96.04
26 27 13 00-0050 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	1,856.38	108.04
26 27 13 00-0051 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	2,282.72	120.05
26 27 13 00-0052 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	2,461.47	132.06
26 27 13 00-0053 EA 10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	3,035.63	156.07
<b>26 27 13 00-0054</b> <b>1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0045)</small>		
26 27 13 00-0055 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,768.88	72.03
26 27 13 00-0056 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,334.50	84.03
26 27 13 00-0057 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,372.87	108.04
26 27 13 00-0058 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,706.37	120.05
26 27 13 00-0059 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	4,488.65	132.06
<b>26 27 13 00-0060</b> <b>800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0045)</small>		
26 27 13 00-0061 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,473.38	96.04
26 27 13 00-0062 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,918.29	108.04
26 27 13 00-0063 EA 5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,375.60	120.05
26 27 13 00-0064 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,770.99	132.06
26 27 13 00-0065 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,491.36	144.06
26 27 13 00-0066 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,654.61	156.07
26 27 13 00-0067 EA 10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,553.74	180.07
<b>26 27 13 00-0068</b> <b>1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0045)</small>		
26 27 13 00-0069 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,265.67	96.04
26 27 13 00-0070 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,986.03	108.04
26 27 13 00-0071 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,287.48	132.06
26 27 13 00-0072 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,481.69	144.06
26 27 13 00-0073 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,697.23	156.07
<b>26 27 13 00-0074</b> <b>120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing</b> <small>(26 27 13 00-0001)</small>		
<b>26 27 13 00-0075</b> <b>800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0074)</small>		
26 27 13 00-0076 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	909.24	60.03
26 27 13 00-0077 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,197.87	72.03
26 27 13 00-0078 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,720.96	96.04
26 27 13 00-0079 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,243.24	108.04
26 27 13 00-0080 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,777.90	120.05
<b>26 27 13 00-0081</b> <b>1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0074)</small>		
26 27 13 00-0082 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,682.96	60.03
26 27 13 00-0083 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,217.63	72.03





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0084 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,209.60	96.04
26 27 13 00-0085 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,543.09	108.04
26 27 13 00-0086 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	4,263.44	120.05
<b>26 27 13 00-0087 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0074)</small></b>		
26 27 13 00-0088 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,393.64	84.03
26 27 13 00-0089 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,832.38	96.04
26 27 13 00-0090 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,638.63	120.05
26 27 13 00-0091 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,328.04	132.06
26 27 13 00-0092 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,491.33	144.06
<b>26 27 13 00-0093 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0074)</small></b>		
26 27 13 00-0094 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,164.28	84.03
26 27 13 00-0095 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,838.21	96.04
26 27 13 00-0096 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,000.38	120.05
26 27 13 00-0097 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,287.45	132.06
26 27 13 00-0098 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,487.53	144.06
<b>26 27 13 00-0099 120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small></b>		
<b>26 27 13 00-0100 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small></b>		
26 27 13 00-0101 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	988.96	72.03
26 27 13 00-0102 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,294.61	84.03
26 27 13 00-0103 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,856.38	108.04
26 27 13 00-0104 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,437.46	120.05
26 27 13 00-0105 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,770.96	132.06
<b>26 27 13 00-0106 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small></b>		
26 27 13 00-0107 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,768.87	72.03
26 27 13 00-0108 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,334.49	84.03
26 27 13 00-0109 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,218.12	108.04
26 27 13 00-0110 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,551.62	120.05
26 27 13 00-0111 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	4,488.62	132.06
<b>26 27 13 00-0112 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small></b>		
26 27 13 00-0113 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,473.37	96.04
26 27 13 00-0114 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,918.27	108.04
26 27 13 00-0115 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,770.96	132.06
26 27 13 00-0116 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,491.33	144.06
26 27 13 00-0117 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,654.61	156.07
<b>26 27 13 00-0118 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small></b>		
26 27 13 00-0119 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,265.66	96.04
26 27 13 00-0120 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,986.01	108.04
26 27 13 00-0121 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,287.45	132.06
26 27 13 00-0122 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,481.69	144.06
26 27 13 00-0123 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,697.23	156.07
<b>26 27 13 00-0124 Watt/Hour Meters <small>(26 27 13)</small></b>		
26 27 13 00-0125 EA Single Phase M-90 Meter, Socket, NEMA 3R Enclosure .....	962.40	57.62
26 27 13 00-0126 EA Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure .....	2,945.26	115.25
26 27 13 00-0127 EA Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure .....	1,555.70	86.44
26 27 13 00-0128 EA Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure .....	1,909.11	86.44
26 27 13 00-0129 EA Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure .....	1,607.61	86.44
26 27 13 00-0130 EA C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure .....	1,092.10	79.71
26 27 13 00-0131 EA P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure .....	1,865.48	144.06
<b>26 27 13 00-0132 Watt/Hour Meter Systems <small>(26 27 13)</small></b>		
Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
<b>26 27 13 00-0133 Watt/Hour Meter System Without Main Breaker <small>(26 27 13 00-0132)</small></b>		
26 27 13 00-0134 EA 400 Amperes System; 200 Amperes M-90 Meter And Enclosure .....	4,740.13	576.34
26 27 13 00-0135 EA 600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure .....	5,574.17	576.34



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>26 27 13 00-0136</b>	<b>Watt/Hour Meter System With Main Breaker</b> <small>(26 27 13 00-0132)</small>		
26 27 13 00-0137	EA 400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure .....	8,401.98	576.34
26 27 13 00-0138	EA 600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure .....	10,220.64	576.34
26 27 13 00-0139	EA 800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure .....	10,991.93	576.34

**26 27 16 Electrical Cabinets and Enclosures** (26 27)

Note: Can be used as enclosure or pull/junction boxes.

<b>26 27 16 00-0001</b>	<b>NEMA 1 Enclosures, Lockable</b> <small>(26 27 16)</small>		
<b>26 27 16 00-0002</b>	<b>Hinged Cover, Galvanized Steel NEMA 1 Enclosures</b> <small>(26 27 16 00-0001)</small>		
<b>26 27 16 00-0003</b>	<b>4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures</b> <small>(26 27 16 00-0002)</small>		
26 27 16 00-0004	EA 6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	62.96	19.20
26 27 16 00-0005	EA 6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	70.79	21.13
26 27 16 00-0006	EA 8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	78.68	23.05
26 27 16 00-0007	EA 8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	91.87	26.90
26 27 16 00-0008	EA 10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	100.27	28.81
26 27 16 00-0009	EA 10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	109.33	30.74
26 27 16 00-0010	EA 12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	108.99	30.74
26 27 16 00-0011	EA 12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	118.31	32.65
26 27 16 00-0012	EA 12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	128.13	34.58
26 27 16 00-0013	EA 16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	165.62	46.10
26 27 16 00-0014	EA 16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	201.00	55.71
26 27 16 00-0015	EA 18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	190.59	53.78

**26 27 16 00-0016** **6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures** (26 27 16 00-0002)

26 27 16 00-0017	EA 6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	79.35	23.05
26 27 16 00-0018	EA 8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	96.80	26.90
26 27 16 00-0019	EA 10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	115.33	32.65
26 27 16 00-0020	EA 10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	124.89	34.58
26 27 16 00-0021	EA 12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	134.66	36.49
26 27 16 00-0022	EA 12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	144.93	38.42
26 27 16 00-0023	EA 16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	183.54	49.94
26 27 16 00-0024	EA 16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	222.15	61.46
26 27 16 00-0025	EA 18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	214.12	59.55
26 27 16 00-0026	EA 18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	279.15	76.83
26 27 16 00-0027	EA 24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	362.62	88.36
26 27 16 00-0028	EA 24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	416.44	96.04
26 27 16 00-0029	EA 30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	465.77	101.80
26 27 16 00-0030	EA 36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	510.30	105.64
26 27 16 00-0031	EA 24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L).....	360.37	76.83

**26 27 16 00-0032** **Screw Cover, Galvanized Steel NEMA 1 Enclosures** (26 27 16 00-0001)

**26 27 16 00-0033** **3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** (26 27 16 00-0032)

26 27 16 00-0034	EA 4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	42.09	13.45
26 27 16 00-0035	EA 6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	60.16	19.20
26 27 16 00-0036	EA 8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	67.12	21.13

**26 27 16 00-0037** **4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** (26 27 16 00-0032)

26 27 16 00-0038	EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	47.05	15.36
26 27 16 00-0039	EA 6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	58.32	19.20
26 27 16 00-0040	EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	65.17	21.13
26 27 16 00-0041	EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	72.11	23.05
26 27 16 00-0042	EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	84.14	26.90
26 27 16 00-0043	EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	91.43	28.81
26 27 16 00-0044	EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	99.09	30.74
26 27 16 00-0045	EA 12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	98.81	30.74
26 27 16 00-0046	EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	106.81	32.65
26 27 16 00-0047	EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	115.04	34.58
26 27 16 00-0048	EA 16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	150.45	46.10
26 27 16 00-0049	EA 16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	186.41	57.62
26 27 16 00-0050	EA 18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	172.96	53.78
26 27 16 00-0051	EA 18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	224.05	69.15
26 27 16 00-0052	EA 24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	323.99	86.44

**26 27 16 00-0053** **6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** (26 27 16 00-0032)

26 27 16 00-0054	EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	72.52	23.05
26 27 16 00-0055	EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	80.01	24.97
26 27 16 00-0056	EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	92.23	28.81
26 27 16 00-0057	EA 10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	104.72	32.65
26 27 16 00-0058	EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	112.83	34.58
26 27 16 00-0059	EA 12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	121.02	36.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0060 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	129.57	38.42
26 27 16 00-0061 EA 16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	165.86	49.94
26 27 16 00-0062 EA 16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	203.80	61.46
26 27 16 00-0063 EA 18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	193.65	59.55
26 27 16 00-0064 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	251.81	76.83
26 27 16 00-0065 EA 24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	314.78	88.36
26 27 16 00-0066 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	360.96	96.04
26 27 16 00-0067 EA 30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	389.80	101.80
26 27 16 00-0068 EA 36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	426.59	105.64
<b>26 27 16 00-0069 8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)</b>		
26 27 16 00-0070 EA 8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	104.72	32.65
26 27 16 00-0071 EA 12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	142.93	42.26
26 27 16 00-0072 EA 16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	181.71	53.78
26 27 16 00-0073 EA 16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	225.51	67.23
26 27 16 00-0074 EA 18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	215.49	65.31
26 27 16 00-0075 EA 18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	266.95	80.88
26 27 16 00-0076 EA 24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	297.63	92.20
26 27 16 00-0077 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	345.56	97.96
26 27 16 00-0078 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	398.05	105.64
26 27 16 00-0079 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	423.57	111.41
26 27 16 00-0080 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	445.07	115.25
26 27 16 00-0081 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	456.96	115.25
<b>26 27 16 00-0082 10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)</b>		
26 27 16 00-0083 EA 18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	244.61	72.99
26 27 16 00-0084 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	322.00	94.12
26 27 16 00-0085 EA 24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	325.76	99.88
26 27 16 00-0086 EA 24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	423.45	107.57
26 27 16 00-0087 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	487.51	119.09
26 27 16 00-0088 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	541.38	122.93
26 27 16 00-0089 EA 36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	577.61	128.70
<b>26 27 16 00-0090 12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)</b>		
26 27 16 00-0091 EA 18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	355.50	103.72
26 27 16 00-0092 EA 24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	353.82	109.49
26 27 16 00-0093 EA 24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	465.55	119.09
26 27 16 00-0094 EA 24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	532.12	130.61
26 27 16 00-0095 EA 30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	597.49	136.38
26 27 16 00-0096 EA 36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	630.26	142.14
<b>26 27 16 00-0097 NEMA 1 Enclosures For Up To 6 Boards, Lockable (26 27 16)</b>		
<b>26 27 16 00-0098 4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures (26 27 16 00-0097)</b>		
26 27 16 00-0099 EA 24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12).....	1,128.15	84.52
<b>26 27 16 00-0100 NEMA 12 Enclosures, Lockable (26 27 16)</b>		
Note: Dust-tight enclosures.		
<b>26 27 16 00-0101 Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)</b>		
<b>26 27 16 00-0102 4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)</b>		
26 27 16 00-0103 EA 4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	94.89	15.36
26 27 16 00-0104 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	123.08	21.13
26 27 16 00-0105 EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	151.92	26.90
26 27 16 00-0106 EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	164.61	28.81
26 27 16 00-0107 EA 12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	185.51	30.74
26 27 16 00-0108 EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	200.04	32.65
<b>26 27 16 00-0109 6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)</b>		
26 27 16 00-0110 EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	136.81	23.05
26 27 16 00-0111 EA 8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	150.92	24.97
<b>26 27 16 00-0112 Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)</b>		
<b>26 27 16 00-0113 4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)</b>		
26 27 16 00-0114 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	181.25	15.36
26 27 16 00-0115 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	216.96	21.13
26 27 16 00-0116 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	245.49	23.05
26 27 16 00-0117 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	280.77	26.90
26 27 16 00-0118 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	288.59	28.81
26 27 16 00-0119 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	341.39	30.74
26 27 16 00-0120 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	366.62	32.65



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0121	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	417.62	34.58
<b>26 27 16 00-0122</b>		<b>6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures</b> <small>(26 27 16 00-0112)</small>		
26 27 16 00-0123	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	264.60	23.05
26 27 16 00-0124	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	299.31	24.97
26 27 16 00-0125	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	325.99	28.81
26 27 16 00-0126	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	385.48	34.58
26 27 16 00-0127	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	418.47	38.42
26 27 16 00-0128	EA	16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	581.70	49.94
26 27 16 00-0129	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	901.53	76.83
26 27 16 00-0130	EA	24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,182.99	88.36
26 27 16 00-0131	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,334.37	96.04
<b>26 27 16 00-0132</b>		<b>8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures</b> <small>(26 27 16 00-0112)</small>		
26 27 16 00-0133	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,232.52	97.96
26 27 16 00-0134	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,421.66	105.64
26 27 16 00-0135	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,563.52	111.41
26 27 16 00-0136	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,725.15	115.25
26 27 16 00-0137	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,701.12	115.25
<b>26 27 16 00-0138</b>		<b>Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures</b> <small>(26 27 16 00-0100)</small>		
<b>26 27 16 00-0139</b>		<b>8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures</b> <small>(26 27 16 00-0138)</small>		
26 27 16 00-0140	EA	60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	5,478.40	156.07
<b>26 27 16 00-0141</b>		<b>10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures</b> <small>(26 27 16 00-0138)</small>		
26 27 16 00-0142	EA	60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	5,529.38	172.87
26 27 16 00-0143	EA	60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	6,344.59	184.88
26 27 16 00-0144	EA	72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	7,296.47	230.50
26 27 16 00-0145	EA	72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	8,145.41	271.80
<b>26 27 16 00-0146</b>		<b>12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures</b> <small>(26 27 16 00-0138)</small>		
26 27 16 00-0147	EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	5,885.97	271.80
26 27 16 00-0148	EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	6,563.48	288.12
26 27 16 00-0149	EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	7,457.57	307.33
26 27 16 00-0150	EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	8,233.84	307.33
<b>26 27 16 00-0151</b>		<b>NEMA 3 Enclosures, Lockable</b> <small>(26 27 16)</small>		
		Note: Can be used underground or encased in concrete.		
<b>26 27 16 00-0152</b>		<b>2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures</b> <small>(26 27 16 00-0151)</small>		
26 27 16 00-0153	EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	266.50	67.23
<b>26 27 16 00-0154</b>		<b>3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures</b> <small>(26 27 16 00-0151)</small>		
26 27 16 00-0155	EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	287.39	67.23
26 27 16 00-0156	EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	371.29	69.63
26 27 16 00-0157	EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	385.51	69.63
26 27 16 00-0158	EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	488.18	72.03
<b>26 27 16 00-0159</b>		<b>4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures</b> <small>(26 27 16 00-0151)</small>		
26 27 16 00-0160	EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	367.45	69.63
26 27 16 00-0161	EA	5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	404.63	69.63
26 27 16 00-0162	EA	6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	421.92	72.03
26 27 16 00-0163	EA	6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	536.12	72.03
26 27 16 00-0164	EA	8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	589.94	76.83
26 27 16 00-0165	EA	8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	635.29	81.64
26 27 16 00-0166	EA	10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	662.45	81.64
26 27 16 00-0167	EA	10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	791.05	84.03
26 27 16 00-0168	EA	12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	859.38	86.44
26 27 16 00-0169	EA	12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,182.25	96.04
<b>26 27 16 00-0170</b>		<b>6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures</b> <small>(26 27 16 00-0151)</small>		
26 27 16 00-0171	EA	6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	566.65	74.43
26 27 16 00-0172	EA	8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	716.57	84.03
26 27 16 00-0173	EA	8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	842.68	86.44
26 27 16 00-0174	EA	10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	973.92	88.84
26 27 16 00-0175	EA	10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,037.99	88.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0176 EA 12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,181.91	96.04
26 27 16 00-0177 EA 12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,367.91	108.04
26 27 16 00-0178 EA 16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,288.60	103.25
26 27 16 00-0179 EA 18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	2,507.57	192.09
26 27 16 00-0180 EA 18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	4,368.56	240.10
<b>26 27 16 00-0181 8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)</b>		
26 27 16 00-0182 EA 8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,047.37	91.23
26 27 16 00-0183 EA 12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,579.52	120.05
26 27 16 00-0184 EA 12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,605.68	120.05
26 27 16 00-0185 EA 16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	2,170.77	180.07
26 27 16 00-0186 EA 18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	2,870.99	192.09
26 27 16 00-0187 EA 24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	7,325.25	336.15
<b>26 27 16 00-0188 10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)</b>		
26 27 16 00-0189 EA 18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	3,832.35	240.10
<b>26 27 16 00-0190 12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)</b>		
26 27 16 00-0191 EA 18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	5,915.52	288.12
26 27 16 00-0192 EA 24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	4,857.72	264.12
<b>26 27 16 00-0193 NEMA 3R Enclosures, Lockable (26 27 16)</b> Note: Rain-tight enclosures.		
<b>26 27 16 00-0194 Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)</b>		
<b>26 27 16 00-0195 4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
26 27 16 00-0196 EA 6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	84.47	19.20
26 27 16 00-0197 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	93.29	21.13
26 27 16 00-0198 EA 8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	140.86	23.05
<b>26 27 16 00-0199 6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
26 27 16 00-0200 EA 8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	177.38	28.81
26 27 16 00-0201 EA 10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	198.06	32.65
26 27 16 00-0202 EA 12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	233.00	36.49
26 27 16 00-0203 EA 12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	252.25	38.42
26 27 16 00-0204 EA 16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	328.44	49.94
26 27 16 00-0205 EA 16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	392.17	61.46
26 27 16 00-0206 EA 18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	445.70	76.83
<b>26 27 16 00-0207 8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
26 27 16 00-0208 EA 24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	683.27	97.96
26 27 16 00-0209 EA 24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	758.82	105.64
26 27 16 00-0210 EA 30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	856.75	111.41
26 27 16 00-0211 EA 30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	901.77	115.25
<b>26 27 16 00-0212 10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
26 27 16 00-0213 EA 12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	848.05	119.09
26 27 16 00-0214 EA 12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	958.01	134.46
26 27 16 00-0215 EA 12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,060.54	148.87
26 27 16 00-0216 EA 12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,168.58	164.23
26 27 16 00-0217 EA 12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,272.07	178.64
26 27 16 00-0218 EA 18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	546.45	94.12
26 27 16 00-0219 EA 24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	848.05	119.09
26 27 16 00-0220 EA 30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,010.28	122.93
26 27 16 00-0221 EA 36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,286.11	134.46
<b>26 27 16 00-0222 12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
26 27 16 00-0223 EA 12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	829.60	95.09
26 27 16 00-0224 EA 12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	930.10	106.61
26 27 16 00-0225 EA 12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,029.66	118.13
26 27 16 00-0226 EA 12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,139.00	130.61
26 27 16 00-0227 EA 12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,239.50	142.14
26 27 16 00-0228 EA 18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	619.76	71.07
26 27 16 00-0229 EA 18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	829.60	95.09
26 27 16 00-0230 EA 18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	930.10	106.61
26 27 16 00-0231 EA 18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,095.34	124.85
26 27 16 00-0232 EA 18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,239.50	142.14
26 27 16 00-0233 EA 30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,176.33	140.22
26 27 16 00-0234 EA 36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,239.50	142.14
26 27 16 00-0235 EA 36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,306.95	145.99

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 27 16 00-0236	EA	36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....		1,458.87	153.67
26 27 16 00-0237	EA	42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....		1,584.08	161.35
<b>26 27 16 00-0238</b>		<b>Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> <small>(26 27 16 00-0193)</small>			
<b>26 27 16 00-0239</b>		<b>4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> <small>(26 27 16 00-0238)</small>			
26 27 16 00-0240	EA	4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	59.10		15.36
26 27 16 00-0241	EA	6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	71.29		19.20
26 27 16 00-0242	EA	6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	78.74		21.13
26 27 16 00-0243	EA	8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	87.38		23.05
26 27 16 00-0244	EA	8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	101.45		26.90
26 27 16 00-0245	EA	10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	110.68		28.81
26 27 16 00-0246	EA	10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	120.76		30.74
26 27 16 00-0247	EA	12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	120.19		30.74
26 27 16 00-0248	EA	12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	131.59		32.65
26 27 16 00-0249	EA	12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	141.67		34.58
26 27 16 00-0250	EA	18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	213.68		53.78
26 27 16 00-0251	EA	18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	285.61		69.15
<b>26 27 16 00-0252</b>		<b>6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> <small>(26 27 16 00-0238)</small>			
26 27 16 00-0253	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	81.73		23.05
26 27 16 00-0254	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	112.21		28.81
26 27 16 00-0255	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	127.11		32.65
26 27 16 00-0256	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	137.97		34.58
26 27 16 00-0257	EA	12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	137.13		34.58
26 27 16 00-0258	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	148.66		36.49
26 27 16 00-0259	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	160.31		38.42
26 27 16 00-0260	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	209.27		49.94
26 27 16 00-0261	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	240.42		59.55
26 27 16 00-0262	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	321.46		76.83
26 27 16 00-0263	EA	24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	334.98		82.59
26 27 16 00-0264	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	384.39		88.36
26 27 16 00-0265	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	433.84		96.04
<b>26 27 16 00-0266</b>		<b>8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> <small>(26 27 16 00-0238)</small>			
26 27 16 00-0267	EA	12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	179.63		42.26
26 27 16 00-0268	EA	18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	259.12		65.31
26 27 16 00-0269	EA	18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	355.78		84.52
26 27 16 00-0270	EA	24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	425.27		97.96
26 27 16 00-0271	EA	24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	482.48		105.64
26 27 16 00-0272	EA	30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	537.51		111.41
<b>26 27 16 00-0273</b>		<b>10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> <small>(26 27 16 00-0238)</small>			
26 27 16 00-0274	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	392.28		94.12
26 27 16 00-0275	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	529.81		119.09
26 27 16 00-0276	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	583.20		122.93
<b>26 27 16 00-0277</b>		<b>12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> <small>(26 27 16 00-0238)</small>			
26 27 16 00-0278	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	585.53		130.61
26 27 16 00-0279	EA	30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	825.57		142.14
26 27 16 00-0280	EA	36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	853.47		145.99
26 27 16 00-0281	EA	36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	1,002.47		153.67
<b>26 27 16 00-0282</b>		<b>NEMA 4 Enclosures, Lockable</b> <small>(26 27 16)</small>			
		Note: Water-tight enclosures.			
<b>26 27 16 00-0283</b>		<b>Hinge Cover, Painted Steel NEMA 4 Enclosures</b> <small>(26 27 16 00-0282)</small>			
26 27 16 00-0284	EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	106.07		13.45
26 27 16 00-0285	EA	6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	123.24		16.33
26 27 16 00-0286	EA	8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	153.78		21.13
26 27 16 00-0287	EA	6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	145.55		21.13
26 27 16 00-0288	EA	10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	194.09		28.81
26 27 16 00-0289	EA	12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	242.80		34.58
26 27 16 00-0290	EA	10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	223.75		32.65
26 27 16 00-0291	EA	12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	260.59		38.42
26 27 16 00-0292	EA	14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	307.41		44.18
26 27 16 00-0293	EA	16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	371.00		55.71
<b>26 27 16 00-0294</b>		<b>Clamp Cover, Painted Steel NEMA 4 Enclosures</b> <small>(26 27 16 00-0282)</small>			
26 27 16 00-0295	EA	4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure .....	96.50		13.45
26 27 16 00-0296	EA	6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure .....	136.00		21.13



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	<b>26 27 16 00-0297</b>	<b>Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures</b> <small>(26 27 16 00-0282)</small>		
	26 27 16 00-0298	EA 6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	120.01	18.44
	26 27 16 00-0299	EA 8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	127.20	19.98
	26 27 16 00-0300	EA 10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	154.94	26.12
	26 27 16 00-0301	EA 12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	182.17	28.81
	26 27 16 00-0302	EA 14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure .....	236.53	36.49
	26 27 16 00-0303	EA 16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure .....	276.24	43.22
	26 27 16 00-0304	EA 18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure .....	382.50	69.15
	<b>26 27 16 00-0305</b>	<b>NEMA 4X Enclosures, Lockable</b> <small>(26 27 16)</small> Note: Water-tight enclosures.		
	<b>26 27 16 00-0306</b>	<b>Clamp Cover, Aluminum NEMA 4X Enclosures</b> <small>(26 27 16 00-0305)</small>		
	26 27 16 00-0307	EA 6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure .....	219.85	15.36
	26 27 16 00-0308	EA 6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure .....	256.89	21.13
	26 27 16 00-0309	EA 10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure .....	324.05	28.81
	26 27 16 00-0310	EA 12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure .....	393.71	34.58
	26 27 16 00-0311	EA 14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure .....	484.21	44.18
	26 27 16 00-0312	EA 16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure .....	569.09	55.71
	<b>26 27 16 00-0313</b>	<b>Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures</b> <small>(26 27 16 00-0305)</small>		
	26 27 16 00-0314	EA 4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	271.42	13.45
		<i>For 316 Stainless Steel, Add</i>	38.05	
	26 27 16 00-0315	EA 6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	352.32	19.20
		<i>For 316 Stainless Steel, Add</i>	48.69	
	26 27 16 00-0316	EA 6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	399.50	21.13
		<i>For 316 Stainless Steel, Add</i>	55.47	
	26 27 16 00-0317	EA 8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	457.68	23.05
		<i>For 316 Stainless Steel, Add</i>	64.01	
	26 27 16 00-0318	EA 10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	561.91	28.81
		<i>For 316 Stainless Steel, Add</i>	78.38	
	26 27 16 00-0319	EA 12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	792.00	36.49
		<i>For 316 Stainless Steel, Add</i>	112.12	
	26 27 16 00-0320	EA 14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	987.90	44.18
		<i>For 316 Stainless Steel, Add</i>	140.39	
	26 27 16 00-0321	EA 16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	1,189.96	55.71
		<i>For 316 Stainless Steel, Add</i>	168.11	
	<b>26 27 16 00-0322</b>	<b>Screw Cover, Polycarbonate NEMA 4X Enclosures</b> <small>(26 27 16 00-0305)</small> Note: NEMA 3R, 4, 4X and 12 rated.		
	26 27 16 00-0323	EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	132.37	21.13
	26 27 16 00-0324	EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	149.72	23.05
	26 27 16 00-0325	EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	170.85	26.90
	26 27 16 00-0326	EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	186.11	28.81
	26 27 16 00-0327	EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	215.60	32.65
	26 27 16 00-0328	EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	200.94	32.65
	26 27 16 00-0329	EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	235.59	36.49
	26 27 16 00-0330	EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	296.73	44.18
	26 27 16 00-0331	EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	375.22	60.51
	26 27 16 00-0332	EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	474.42	87.11
	26 27 16 00-0333	EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	143.89	21.13
	26 27 16 00-0334	EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	163.33	23.05
	26 27 16 00-0335	EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	185.50	26.90
	26 27 16 00-0336	EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	203.89	28.81
	26 27 16 00-0337	EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	234.43	32.65
	26 27 16 00-0338	EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	218.75	32.65
	26 27 16 00-0339	EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	259.73	36.49
	26 27 16 00-0340	EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	309.29	44.18
	26 27 16 00-0341	EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	401.39	60.51
	26 27 16 00-0342	EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	502.67	87.11
	<b>26 27 16 00-0343</b>	<b>Hinged Cover, Polycarbonate NEMA 4X Enclosures</b> <small>(26 27 16 00-0305)</small> Note: NEMA 3R, 4, 4X and 12 rated.		
	26 27 16 00-0344	EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	164.82	21.13
	26 27 16 00-0345	EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	175.89	23.05
	26 27 16 00-0346	EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	199.09	26.90
	26 27 16 00-0347	EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	215.42	28.81
	26 27 16 00-0348	EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	256.42	32.65
	26 27 16 00-0349	EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	233.40	32.65
	26 27 16 00-0350	EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	290.07	36.49
	26 27 16 00-0351	EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	343.84	44.18
	26 27 16 00-0352	EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	416.04	60.51
	26 27 16 00-0353	EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	527.78	87.11
	26 27 16 00-0354	EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	173.19	21.13
	26 27 16 00-0355	EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	191.58	23.05
	26 27 16 00-0356	EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	213.74	26.90
	26 27 16 00-0357	EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	231.10	28.81

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0358	EA		12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	277.35	32.65
26 27 16 00-0359	EA		10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	251.18	32.65
26 27 16 00-0360	EA		12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	312.06	36.49
26 27 16 00-0361	EA		14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	354.30	44.18
26 27 16 00-0362	EA		16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	450.57	60.51
26 27 16 00-0363	EA		18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	564.42	87.11
<b>26 27 16 00-0364</b>			<b>NEMA 7/9 Enclosures, Lockable <small>(26 27 16)</small></b>		
			Note: Nominal inside dimensions.		
<b>26 27 16 00-0365</b>			<b>4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small></b>		
26 27 16 00-0366	EA		6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	1,234.69	108.04
			<i>For Mounting Pan, Add</i> .....	53.92	
26 27 16 00-0367	EA		6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	975.71	115.25
			<i>For Mounting Pan, Add</i> .....	100.47	
26 27 16 00-0368	EA		8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	1,936.20	129.65
			<i>For Mounting Pan, Add</i> .....	138.54	
<b>26 27 16 00-0369</b>			<b>6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small></b>		
26 27 16 00-0370	EA		8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	1,717.39	129.65
			<i>For Mounting Pan, Add</i> .....	70.45	
26 27 16 00-0371	EA		8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	2,248.43	133.25
			<i>For Mounting Pan, Add</i> .....	138.54	
26 27 16 00-0372	EA		8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	2,298.46	144.06
			<i>For Mounting Pan, Add</i> .....	105.98	
26 27 16 00-0373	EA		10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	2,359.96	144.06
			<i>For Mounting Pan, Add</i> .....	123.99	
26 27 16 00-0374	EA		10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	3,343.81	180.07
			<i>For Mounting Pan, Add</i> .....	162.67	
26 27 16 00-0375	EA		12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	3,154.43	162.07
			<i>For Mounting Pan, Add</i> .....	101.57	
26 27 16 00-0376	EA		12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	3,259.60	180.07
			<i>For Mounting Pan, Add</i> .....	151.98	
26 27 16 00-0377	EA		12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	5,021.26	324.13
			<i>For Mounting Pan, Add</i> .....	204.47	
26 27 16 00-0378	EA		14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	3,999.34	216.09
			<i>For Mounting Pan, Add</i> .....	199.08	
26 27 16 00-0379	EA		16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	5,225.47	360.15
			<i>For Mounting Pan, Add</i> .....	182.77	
26 27 16 00-0380	EA		18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	6,284.45	360.15
			<i>For Mounting Pan, Add</i> .....	297.12	
<b>26 27 16 00-0381</b>			<b>8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small></b>		
26 27 16 00-0382	EA		8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	2,684.34	162.07
			<i>For Mounting Pan, Add</i> .....	105.98	
26 27 16 00-0383	EA		10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	2,703.45	162.07
			<i>For Mounting Pan, Add</i> .....	123.99	
26 27 16 00-0384	EA		10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	3,067.49	162.07
			<i>For Mounting Pan, Add</i> .....	162.67	
26 27 16 00-0385	EA		12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	3,399.10	180.07
			<i>For Mounting Pan, Add</i> .....	101.57	
26 27 16 00-0386	EA		12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	4,922.65	324.13
			<i>For Mounting Pan, Add</i> .....	151.98	
26 27 16 00-0387	EA		12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	5,989.70	396.17
			<i>For Mounting Pan, Add</i> .....	204.47	
26 27 16 00-0388	EA		12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	9,453.00	468.20
			<i>For Mounting Pan, Add</i> .....	307.50	
26 27 16 00-0389	EA		14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	5,381.72	396.17
			<i>For Mounting Pan, Add</i> .....	199.08	
26 27 16 00-0390	EA		16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	5,531.53	396.17
			<i>For Mounting Pan, Add</i> .....	182.77	
26 27 16 00-0391	EA		16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	8,288.55	432.19
			<i>For Mounting Pan, Add</i> .....	273.96	
26 27 16 00-0392	EA		18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	6,834.25	396.17
			<i>For Mounting Pan, Add</i> .....	297.12	
26 27 16 00-0393	EA		18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	9,158.03	432.19
			<i>For Mounting Pan, Add</i> .....	434.48	
26 27 16 00-0394	EA		18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	9,094.43	432.19
			<i>For Mounting Pan, Add</i> .....	579.22	
26 27 16 00-0395	EA		18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	14,147.80	576.25
			<i>For Mounting Pan, Add</i> .....	723.92	
26 27 16 00-0396	EA		24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	10,758.83	468.20
			<i>For Mounting Pan, Add</i> .....	673.12	
26 27 16 00-0397	EA		24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	19,530.76	720.31
			<i>For Mounting Pan, Add</i> .....	921.49	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 27 16 00-0398</b> 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small>		
26 27 16 00-0399 EA 12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	9,838.38	468.20
For Mounting Pan, Add	307.50	
26 27 16 00-0400 EA 16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	9,056.13	432.19
For Mounting Pan, Add	273.96	
26 27 16 00-0401 EA 18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	9,867.06	468.20
For Mounting Pan, Add	434.48	
26 27 16 00-0402 EA 18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	12,490.26	504.22
For Mounting Pan, Add	723.92	
26 27 16 00-0403 EA 24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	11,034.71	504.22
For Mounting Pan, Add	673.12	
26 27 16 00-0404 EA 24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	21,296.20	720.31
For Mounting Pan, Add	921.49	
<b>26 27 16 00-0405</b> 12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small>		
26 27 16 00-0406 EA 12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	6,127.15	396.17
For Mounting Pan, Add	204.47	
<b>26 27 16 00-0407</b> Breaker Enclosures <small>(26 27 16)</small>		
See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
<b>26 27 16 00-0408</b> 15 To 100 Amperes, F-Frame Breaker Enclosures <small>(26 27 16 00-0407)</small>		
26 27 16 00-0409 EA NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	331.67	76.83
26 27 16 00-0410 EA NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	624.57	76.83
26 27 16 00-0411 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	1,559.00	105.64
26 27 16 00-0412 EA NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	2,119.74	115.25
26 27 16 00-0413 EA NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	1,538.65	115.25
26 27 16 00-0414 EA NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	526.80	105.64
<b>26 27 16 00-0415</b> 15 To 250 Amperes, H Or J-Frame Breaker Enclosures <small>(26 27 16 00-0407)</small>		
26 27 16 00-0416 EA NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	533.38	105.64
26 27 16 00-0417 EA NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	1,002.41	105.64
26 27 16 00-0418 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	3,475.73	134.46
26 27 16 00-0419 EA NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	817.03	134.46
<b>26 27 16 00-0420</b> 125 To 400 Amperes, L-Frame Breaker Enclosures <small>(26 27 16 00-0407)</small>		
26 27 16 00-0421 EA NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	824.72	211.29
26 27 16 00-0422 EA NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	1,981.32	211.29
26 27 16 00-0423 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	5,880.69	268.91
26 27 16 00-0424 EA NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	1,388.19	268.91
<b>26 27 16 00-0425</b> 300 To 800 Amperes, M-Frame Breaker Enclosures <small>(26 27 16 00-0407)</small>		
26 27 16 00-0426 EA NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	1,617.68	403.38
26 27 16 00-0427 EA NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	2,840.14	403.38
26 27 16 00-0428 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	10,572.88	518.62
26 27 16 00-0429 EA NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	5,668.93	518.62
<b>26 27 16 00-0430</b> 250 To 1,200 Amperes, P-Frame Breaker Enclosures <small>(26 27 16 00-0407)</small>		
26 27 16 00-0431 EA NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	1,993.46	403.38
26 27 16 00-0432 EA NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	3,434.41	403.38
26 27 16 00-0433 EA NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	7,156.98	518.62
<b>26 27 16 00-0434</b> Legend Plates <small>(26 27 16)</small>		
26 27 16 00-0435 EA 3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters.....	17.55	4.80
26 27 16 00-0436 EA 3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters.....	25.78	4.80
<b>26 27 19 Multi-Outlet Assemblies</b> <small>(26 27)</small>		
<b>26 27 19 00-0001</b> Surface Metal Raceway, Preamsembled With Outlets <small>(26 27 19)</small>		
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 27 19 00-0002 LF Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center.....	25.07	7.01
For Concrete Or Masonry Surface, Add	0.70	
26 27 19 00-0003 LF Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center.....	19.59	4.99
For Concrete Or Masonry Surface, Add	0.50	
26 27 19 00-0004 LF Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center.....	18.24	5.28
For Concrete Or Masonry Surface, Add	0.53	
26 27 19 00-0005 LF Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center.....	20.41	4.99
For Concrete Or Masonry Surface, Add	0.50	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 19 00-0006 LF Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center ..... <i>For Concrete Or Masonry Surface, Add</i>	16.16 0.51	5.09
26 27 19 00-0007 LF Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center ..... <i>For Concrete Or Masonry Surface, Add</i>	23.11 0.50	4.99
26 27 19 00-0008 LF Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center ..... <i>For Concrete Or Masonry Surface, Add</i>	20.16 0.50	4.99
26 27 19 00-0009 LF Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center ..... <i>For Concrete Or Masonry Surface, Add</i>	21.94 0.50	4.99
<b>26 27 23 Indoor Service Poles</b> <small>(26 27)</small>		
<b>26 27 23 00-0001 Communication And Power Poles</b> <small>(26 27 23)</small> Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
<b>26 27 23 00-0002 Steel Communication And Power Poles</b> <small>(26 27 23 00-0001)</small>		
<b>26 27 23 00-0003 2-1/4" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0002)</small>		
<b>26 27 23 00-0004 2-1/4" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0003)</small>		
26 27 23 00-0005 EA 2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	268.29	42.55
26 27 23 00-0006 EA 2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	292.09	42.55
26 27 23 00-0007 EA 2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	319.62	42.55
<b>26 27 23 00-0008 Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0003)</small> Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009 EA Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle .....	54.92	8.77
26 27 23 00-0010 EA Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles.....	47.41	8.77
26 27 23 00-0011 EA Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	53.88	8.77
26 27 23 00-0012 EA Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices.....	39.53	8.77
26 27 23 00-0013 EA Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting .....	32.29	8.77
<b>26 27 23 00-0014 2-3/4" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0002)</small>		
<b>26 27 23 00-0015 2-3/4" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0014)</small>		
26 27 23 00-0016 EA 2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	349.91	42.55
26 27 23 00-0017 EA 2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	401.06	42.55
26 27 23 00-0018 EA 2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	428.66	42.55
<b>26 27 23 00-0019 Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0014)</small> Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020 EA Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle .....	36.33	8.77
26 27 23 00-0021 EA Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle .....	32.51	8.77
26 27 23 00-0022 EA Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices.....	35.24	8.77
<b>26 27 23 00-0023 3" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0002)</small>		
<b>26 27 23 00-0024 3" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0023)</small>		
26 27 23 00-0025 EA 3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	458.30	42.55
26 27 23 00-0026 EA 3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	519.87	42.55
26 27 23 00-0027 EA 3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	560.45	42.55
<b>26 27 23 00-0028 Additional Cover Plates For 3" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0023)</small> Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029 EA Add-On 3" Width Steel Steel Cover Plate For One Single Receptacle .....	36.33	8.77
26 27 23 00-0030 EA Add-On 3" Width Steel Cover Plate For One Duplex Receptacle .....	32.51	8.77
26 27 23 00-0031 EA Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices.....	35.24	8.77
<b>26 27 23 00-0032 Aluminum Communication And Power Poles</b> <small>(26 27 23 00-0001)</small>		
<b>26 27 23 00-0033 2-1/8" Width, Aluminum Communication And Power Poles</b> <small>(26 27 23 00-0032)</small>		
<b>26 27 23 00-0034 2-1/8" Width, Aluminum Communication And Power Poles</b> <small>(26 27 23 00-0033)</small>		
26 27 23 00-0035 EA 2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	365.92	42.55
26 27 23 00-0036 EA 2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	408.97	42.55
26 27 23 00-0037 EA 2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	457.23	42.55
<b>26 27 23 00-0038 Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles</b> <small>(26 27 23 00-0033)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0039 EA Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	56.39	8.77
26 27 23 00-0040 EA Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles.....	57.61	8.77
26 27 23 00-0041 EA Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	61.65	8.77
26 27 23 00-0042 EA Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices.....	41.80	8.77
26 27 23 00-0043 EA Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting.....	32.29	8.77
<b>26 27 23 00-0044</b> <b>2-1/4" Width, Aluminum Communication And Power Poles</b> (26 27 23 00-0032)		
26 27 23 00-0045 EA 2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	352.48	42.55
26 27 23 00-0046 EA 2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	396.63	42.55
26 27 23 00-0047 EA 2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	448.64	42.55
<b>26 27 23 00-0048</b> <b>5" Width, Aluminum Communication And Power Poles</b> (26 27 23 00-0032)		
26 27 23 00-0049 EA 5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	745.72	42.55
26 27 23 00-0050 EA 5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	854.00	42.55
26 27 23 00-0051 EA 5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	975.27	42.55
<b>26 27 23 00-0052</b> <b>2" Diameter, Round Aluminum Communication And Power Pole</b> (26 27 23 00-0032)		
26 27 23 00-0053 EA 2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	401.82	42.55
26 27 23 00-0054 EA 2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole.....	380.01	42.55
26 27 23 00-0055 EA 2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole.....	488.91	42.55
<b>26 27 26</b> <b>Wiring Devices</b> (26 27)		
Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
<b>26 27 26 00-0001</b> <b>Receptacles</b> (26 27 26)		
<b>26 27 26 00-0002</b> <b>General Use Receptacles</b> (26 27 26 00-0001)		
<b>26 27 26 00-0003</b> <b>Receptacle Assemblies</b> (26 27 26 00-0002)		
Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004 EA 15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly.....	86.68	34.10
26 27 26 00-0005 EA 20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly.....	92.95	36.49
26 27 26 00-0006 EA 15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly.....	111.71	43.70
26 27 26 00-0007 EA 20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly.....	124.26	48.51
26 27 26 00-0008 EA 15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly.....	106.60	34.10
26 27 26 00-0009 EA 20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly.....	113.93	36.49
<b>26 27 26 00-0010</b> <b>Receptacle Components</b> (26 27 26 00-0002)		
26 27 26 00-0011 EA 15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle.....	24.64	9.61
26 27 26 00-0012 EA 15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle.....	23.47	9.61
26 27 26 00-0013 EA 15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle.....	30.32	9.61
26 27 26 00-0014 EA 15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle.....	34.29	9.61
26 27 26 00-0015 EA 15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle.....	44.14	12.00
26 27 26 00-0016 EA 15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle.....	57.15	12.00
26 27 26 00-0017 EA 20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle.....	26.16	9.61
26 27 26 00-0018 EA 20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle.....	24.94	9.61
26 27 26 00-0019 EA 20 Amperes, 120/277 Volt, Single Receptacle.....	42.80	9.61
26 27 26 00-0020 EA 20 Amperes, 120/277 Volt, Duplex Receptacle.....	33.04	9.61
26 27 26 00-0021 EA 20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle.....	44.14	12.00
26 27 26 00-0022 EA 20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle.....	57.15	12.00
26 27 26 00-0023 EA 20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle.....	98.89	12.00
26 27 26 00-0024 EA 20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle.....	98.89	12.00
26 27 26 00-0025 EA 25 Amperes, 120/277 Volt, Duplex Receptacle.....	76.90	14.41
<b>26 27 26 00-0026</b> <b>Specialty Receptacles</b> (26 27 26 00-0001)		
<b>26 27 26 00-0027</b> <b>Specialty Receptacles</b> (26 27 26 00-0026)		
26 27 26 00-0028 EA 30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle.....	63.15	16.81
26 27 26 00-0029 EA 30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle.....	63.15	16.81
26 27 26 00-0030 EA 30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles.....	73.86	16.81
26 27 26 00-0031 EA 30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle.....	108.49	16.81
26 27 26 00-0032 EA 30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle.....	113.30	19.20
26 27 26 00-0033 EA 50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle.....	102.48	19.20
26 27 26 00-0034 EA 50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle.....	99.43	19.20
26 27 26 00-0035 EA 50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle.....	83.71	19.20
26 27 26 00-0036 EA 50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle.....	89.96	19.20
26 27 26 00-0037 EA 50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle.....	129.94	19.20
26 27 26 00-0038 EA 50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle.....	134.74	21.61
26 27 26 00-0039 EA 60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle.....	147.86	24.01
26 27 26 00-0040 EA 60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle.....	157.46	28.81
26 27 26 00-0041 EA 100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete.....	1,562.50	225.70
26 27 26 00-0042 EA 400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete.....	4,232.83	276.12
26 27 26 00-0043 EA 30 Amperes, 230 Volt, Dryer Receptacle.....	76.61	19.20
26 27 26 00-0044 EA 60 Amperes, 230 Volt, Range Receptacle.....	111.12	28.81
26 27 26 00-0045 EA 15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle.....	80.86	12.00

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 27</b>	<b>Low-Voltage Distribution Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0046 EA Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete.....	1,557.21	292.41
26 27 26 00-0047 EA Projector Receptacle Switchcraft #D4F .....	78.65	21.61
26 27 26 00-0048 EA Electronic Receptacle Cannon XLR/SLR.....	110.01	21.61
<b>26 27 26 00-0049 Isolated Ground Receptacles (26 27 26 00-0026)</b>		
26 27 26 00-0050 EA 15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex .....	86.52	9.61
Note: 2 Pole, 3 wire.		
26 27 26 00-0051 EA 20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex.....	66.05	12.00
26 27 26 00-0052 EA 20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex .....	65.75	12.00
26 27 26 00-0053 EA 30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex.....	87.67	19.20
26 27 26 00-0054 EA Locking 15 Amperes, 250 Volt Isolated Ground Receptacles.....	76.07	12.00
26 27 26 00-0055 EA Locking 15 Amperes, 277 Volt Isolated Ground Receptacles .....	68.27	12.00
26 27 26 00-0056 EA Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles .....	97.45	14.41
26 27 26 00-0057 EA Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles .....	73.18	14.41
26 27 26 00-0058 EA Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles .....	100.33	14.41
26 27 26 00-0059 EA Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles .....	126.79	14.41
26 27 26 00-0060 EA Locking 30 Amperes, 277 Volt Isolated Ground Receptacles.....	117.74	19.20
<b>26 27 26 00-0061 Explosion Proof Receptacles (26 27 26 00-0026)</b>		
26 27 26 00-0062 EA 1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly .....	910.26	24.01
26 27 26 00-0063 EA 3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly .....	836.18	26.41
26 27 26 00-0064 EA 3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	1,387.82	48.02
26 27 26 00-0065 EA 3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	1,755.48	48.02
26 27 26 00-0066 EA 1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	2,214.75	72.03
26 27 26 00-0067 EA 1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	2,108.31	72.03
<b>26 27 26 00-0068 Ground Fault Circuit Interrupter (GFCI) (26 27 26 00-0026)</b>		
26 27 26 00-0069 EA 15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle .....	41.00	12.00
26 27 26 00-0070 EA 20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle .....	55.53	14.41
26 27 26 00-0071 EA 15 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle .....	44.44	16.36
26 27 26 00-0072 EA 20 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle .....	75.96	19.20
<b>26 27 26 00-0073 Arc Fault Circuit Interrupter (AFCI) (26 27 26 00-0026)</b>		
26 27 26 00-0074 EA 15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle .....	84.45	12.00
26 27 26 00-0075 EA 20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle .....	94.10	12.00
<b>26 27 26 00-0076 Locking Receptacle (26 27 26 00-0026)</b>		
26 27 26 00-0077 EA NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle.....	49.29	12.00
26 27 26 00-0078 EA NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle.....	62.41	12.00
26 27 26 00-0079 EA NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	53.94	14.41
26 27 26 00-0080 EA NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	53.36	14.41
26 27 26 00-0081 EA NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	64.90	14.41
26 27 26 00-0082 EA NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	79.82	14.41
26 27 26 00-0083 EA NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle.....	78.16	14.41
26 27 26 00-0084 EA NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle.....	67.26	14.41
26 27 26 00-0085 EA NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle.....	74.90	19.20
26 27 26 00-0086 EA NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking, Receptacle.....	76.29	19.20
26 27 26 00-0087 EA NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle.....	128.46	19.20
<b>26 27 26 00-0088 Hospital Grade Receptacle (26 27 26 00-0026)</b>		
26 27 26 00-0089 EA 15 Amperes, Heavy Duty Hospital Grade, NEMA 5-15, Duplex Receptacle.....	51.13	9.61
26 27 26 00-0090 EA 20 Amperes, Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle.....	56.11	9.61
26 27 26 00-0091 EA 20 Amperes, Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground .....	65.53	9.61
26 27 26 00-0092 EA 20 Amperes, Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle .....	56.82	9.61
26 27 26 00-0093 EA 20 Amperes, Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground .....	66.57	9.61
26 27 26 00-0094 EA 20 Amperes, Non-Magnetic MRI Hospital Grade, NEMA 5-20, Duplex Receptacle.....	74.13	9.61
26 27 26 00-0095 EA 120 Volt, Transient Voltage, Surge Suppressor Receptacle .....	182.99	28.81
Note: Hospital grade receptacle.		
<b>26 27 26 00-0096 Weathertight Pin And Sleeve Receptacle (26 27 26 00-0026)</b>		
26 27 26 00-0097 EA 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W) .....	251.10	48.02
26 27 26 00-0098 EA 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W) .....	250.46	48.02
26 27 26 00-0099 EA 20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W) .....	262.55	48.02
26 27 26 00-0100 EA 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W) .....	323.44	52.83
26 27 26 00-0101 EA 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W) .....	324.45	52.83
26 27 26 00-0102 EA 20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W) .....	322.12	52.83
26 27 26 00-0103 EA 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W) .....	388.39	59.06
26 27 26 00-0104 EA 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W) .....	368.72	59.06
26 27 26 00-0105 EA 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W) .....	399.51	59.06
26 27 26 00-0106 EA 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W) .....	400.73	64.83
26 27 26 00-0107 EA 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W) .....	400.35	64.83
26 27 26 00-0108 EA 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W) .....	403.14	64.83
26 27 26 00-0109 EA 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W) .....	571.55	76.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0110 EA 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W).....	547.74	76.83
26 27 26 00-0111 EA 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W).....	563.24	76.83
26 27 26 00-0112 EA 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W).....	627.29	85.48
26 27 26 00-0113 EA 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W).....	627.75	85.48
26 27 26 00-0114 EA 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W).....	628.21	85.48
26 27 26 00-0115 EA 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W).....	697.71	96.04
26 27 26 00-0116 EA 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W).....	728.24	96.04
26 27 26 00-0117 EA 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W).....	782.21	105.64
26 27 26 00-0118 EA 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W).....	779.92	105.64
26 27 26 00-0119 EA 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W).....	784.23	105.64
<b>26 27 26 00-0120 Corrosion Resistant Receptacle (26 27 26 00-0026)</b>		
26 27 26 00-0121 EA 15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles.....	88.64	9.61
26 27 26 00-0122 EA 15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles.....	188.11	12.00
<b>26 27 26 00-0123 Tamper Resistant Receptacle (26 27 26 00-0026)</b>		
26 27 26 00-0124 EA 15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle..... Note: Pass & Seymour 3232-TR.	24.83	9.61
26 27 26 00-0125 EA 20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle..... Note: Pass & Seymour TR20.	27.73	9.61
26 27 26 00-0126 EA 15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour TR5251.	36.05	9.61
26 27 26 00-0127 EA 20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour TR5351.	39.95	9.61
26 27 26 00-0128 EA 15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle..... Note: Pass & Seymour S1595-TR*CC8.	63.39	9.61
26 27 26 00-0129 EA 15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour 1595-TRS.	68.98	9.61
26 27 26 00-0130 EA 20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour 2095-TRS.	74.31	9.61
<b>26 27 26 00-0131 USB Charger/Duplex Tamper-Resistant Receptacles (26 27 26 00-0026)</b>		
26 27 26 00-0132 EA 15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	65.43	9.61
26 27 26 00-0133 EA 20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	71.21	9.61
<b>26 27 26 00-0134 Television Receptacle (26 27 26 00-0001)</b>		
26 27 26 00-0135 EA TV Receptacle With Cover (Type F), Complete.....	73.85	22.28
<b>26 27 26 00-0136 Switches (26 27 26)</b>		
<b>26 27 26 00-0137 Switches (26 27 26 00-0136)</b>		
<b>26 27 26 00-0138 Switch Assemblies (26 27 26 00-0137)</b>		
Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0139 EA 1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	92.13	33.61
26 27 26 00-0140 EA 1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly.....	98.61	36.49
26 27 26 00-0141 EA 2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	125.01	43.94
26 27 26 00-0142 EA 2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly.....	136.05	48.74
26 27 26 00-0143 EA 3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	213.97	75.39
26 27 26 00-0144 EA 3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly.....	230.54	82.59
26 27 26 00-0145 EA 4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	247.22	85.24
26 27 26 00-0146 EA 4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly.....	269.31	94.84
<b>26 27 26 00-0147 Switch Components (26 27 26 00-0137)</b>		
26 27 26 00-0148 EA 15 Amperes, 120/277 Volt, SPST Switch.....	29.88	9.61
26 27 26 00-0149 EA 15 Amperes, 120/277 Volt, 3-Way Switch.....	38.04	12.00
26 27 26 00-0150 EA 15 Amperes, 120/277 Volt, 4-Way Switch.....	79.13	19.20
26 27 26 00-0151 EA 15 Amperes, 120/277 Volt, DPST Switch.....	36.09	9.61
26 27 26 00-0152 EA 15 Amperes, 120/277 Volt, Thermal Switch.....	77.09	12.00
26 27 26 00-0153 EA 20 Amperes, 120/277 Volt, SPST Switch.....	35.41	12.00
26 27 26 00-0154 EA 20 Amperes, 120/277 Volt, 3-Way Switch.....	44.40	14.41
26 27 26 00-0155 EA 20 Amperes, 120/277 Volt, 4-Way Switch.....	116.07	19.20
26 27 26 00-0156 EA 20 Amperes, 120/277 Volt, DPST Switch.....	45.36	12.00
26 27 26 00-0157 EA 20 Amperes, 120/277 Volt, DPDT Switch.....	49.77	12.00
26 27 26 00-0158 EA 15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch.....	81.18	12.03
26 27 26 00-0159 EA 15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch.....	103.24	12.03
26 27 26 00-0160 EA Momentary Contact Switch With Separate Neon Pilot..... Note: Neon Pilot is 125 V, 1 / 125W.	77.27	14.44
26 27 26 00-0161 EA 20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off..... Note: Or 250 VAC 10 Amp, double throw BAT handle.	55.73	16.81
26 27 26 00-0162 EA 20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch..... Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	70.64	19.20
26 27 26 00-0163 EA 20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch..... Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	116.17	19.20

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 27</b>	<b>Low-Voltage Distribution Equipment</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 27 26 00-0164	EA	30 Amperes, 120/277 Volt, Single Pole, Local Switch .....	79.47	19.24
26 27 26 00-0165	EA	30 Amperes, 120/277 Volt, Double Pole, Local Switch .....	99.30	19.24
26 27 26 00-0166	EA	30 Amperes, 120/277 Volt, Three-Way Local Switch .....	102.68	24.06
26 27 26 00-0167	EA	30 Amperes, 120/277 Volt, Four-Way Local Switch .....	145.48	26.47
26 27 26 00-0168	EA	15 Amperes, 120/277 Volt, Local Switch With Neon Pilot .....	64.07	15.74
26 27 26 00-0169	EA	15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot .....	94.30	15.74
		Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.		
26 27 26 00-0170	EA	15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch .....	81.27	15.74
26 27 26 00-0171	EA	15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch .....	76.79	15.74
26 27 26 00-0172	EA	6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch .....	90.71	7.80
26 27 26 00-0173	EA	6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch .....	96.79	7.80
26 27 26 00-0174	EA	15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch .....	99.18	30.03
26 27 26 00-0175	EA	Three Position, Center Off, Key Operated, Momentary Contact Switch .....	121.24	30.03
		Note: 15A, 120/277 V, Single Pole		
26 27 26 00-0176	EA	Single Pole, Slide Dimmer (Leviton IP710-LFZ) .....	149.40	9.63
26 27 26 00-0177	EA	8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH) .....	87.62	9.63
26 27 26 00-0178	EA	120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH) .....	256.69	9.61
26 27 26 00-0179	EA	120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH) .....	44.98	9.61
26 27 26 00-0180	EA	1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV) .....	93.94	9.63
26 27 26 00-0181	EA	1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000) .....	109.08	9.63
26 27 26 00-0182	EA	2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000) .....	142.10	9.63
26 27 26 00-0183	EA	Wireless Single Rocker Remote Switch (Leviton WSS0S-S9) .....	154.15	9.63
<b>26 27 26 00-0184</b>		<b>Specialty Switches</b> <small>(26 27 26 00-0136)</small>		
<b>26 27 26 00-0185</b>		<b>Dimmers With SPST Switch</b> <small>(26 27 26 00-0184)</small>		
26 27 26 00-0186	EA	600 Watt Dimmers With SPST Switch .....	66.29	21.61
26 27 26 00-0187	EA	1,000 Watt Dimmers With SPST Switch .....	138.32	21.61
26 27 26 00-0188	EA	1,500 Watt Dimmers With SPST Switch .....	255.54	34.77
26 27 26 00-0189	EA	2,000 Watt Dimmers With SPST Switch .....	347.45	34.77
26 27 26 00-0190	EA	600 Watt Fluorescent Dimmer Switch .....	183.74	25.64
26 27 26 00-0191	EA	1,000 Watt Fluorescent Dimmer Switch .....	262.82	25.64
26 27 26 00-0192	EA	1,500 Watt Fluorescent Dimmer Switch .....	487.70	38.71
26 27 26 00-0193	EA	Remote Speed Switch For Paddle Fan .....	114.86	31.98
26 27 26 00-0194	EA	600 Watt Combination Remote Speed Switch/Incandescent Dimmer .....	197.26	47.73
<b>26 27 26 00-0195</b>		<b>Time Switches</b> <small>(26 27 26 00-0184)</small>		
26 27 26 00-0196	EA	40 Amperes, 125 Volt, SPST, Standard Time Switch .....	140.82	28.81
26 27 26 00-0197	EA	40 Amperes, 277 Volt, SPST, Standard Time Switch .....	144.98	28.81
26 27 26 00-0198	EA	40 Amperes, 125 Volt, DPST, Standard Time Switch .....	140.82	28.81
26 27 26 00-0199	EA	40 Amperes, 277 Volt, DPST, Standard Time Switch .....	144.98	28.81
26 27 26 00-0200	EA	40 Amperes, 125 Volt, SPST, 7-Day Time Switch .....	168.55	28.81
26 27 26 00-0201	EA	40 Amperes, 277 Volt, SPST, 7-Day Time Switch .....	168.55	28.81
26 27 26 00-0202	EA	40 Amperes, 125 Volt, DPDT, 7-Day Time Switch .....	332.18	28.81
26 27 26 00-0203	EA	40 Amperes, 277 Volt, DPDT, 7-Day Time Switch .....	332.18	28.81
26 27 26 00-0204	EA	20 Amperes, 125 Volt, SPST, Programmable Time Switch .....	279.68	28.81
26 27 26 00-0205	EA	20 Amperes, 277 Volt, SPST, Programmable Time Switch .....	311.74	28.81
26 27 26 00-0206	EA	20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch .....	311.74	28.81
26 27 26 00-0207	EA	40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch .....	387.51	28.81
26 27 26 00-0208	EA	40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch .....	400.27	28.81
26 27 26 00-0209	EA	40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch .....	140.82	28.81
26 27 26 00-0210	EA	40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch .....	144.98	28.81
26 27 26 00-0211	EA	40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch .....	140.82	28.81
26 27 26 00-0212	EA	40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch .....	144.98	28.81
26 27 26 00-0213	EA	40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch .....	168.55	28.81
26 27 26 00-0214	EA	40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch .....	168.55	28.81
26 27 26 00-0215	EA	40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch .....	332.18	28.81
26 27 26 00-0216	EA	40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch .....	332.18	28.81
26 27 26 00-0217	EA	40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch .....	387.51	28.81
26 27 26 00-0218	EA	40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch .....	400.27	28.81
26 27 26 00-0219	EA	30 Amperes, SPST, 120 Volt, 7-Day Time Switch EZ Controls #EZ-701-1 .....	352.17	28.81
26 27 26 00-0220	EA	30 Amperes, DPST, 120 Volt, 7-Day Time Switch EZ Controls #EZ-701-2 .....	398.26	28.81
<b>26 27 26 00-0221</b>		<b>Low Voltage Switching</b> <small>(26 27 26 00-0184)</small>		
26 27 26 00-0222	EA	36 Pin Male Or Female Connector .....	288.19	9.61
<b>26 27 26 00-0223</b>		<b>Other Switches</b> <small>(26 27 26 00-0184)</small>		
26 27 26 00-0224	EA	Pull Chain Switch 120/277 Volt AC Installed In Light Fixture .....	33.95	14.41
26 27 26 00-0225	EA	SPST Locking Switch For Concealed Devices .....	112.61	38.42
26 27 26 00-0226	EA	3-Way Locking Switch For Concealed Devices .....	114.82	38.42
26 27 26 00-0227	EA	Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard .....	135.19	35.92
26 27 26 00-0228	EA	15 Amperes Momentary Contact Switch .....	126.11	35.92
26 27 26 00-0229	EA	20 Amperes Momentary Contact Switch .....	135.67	35.92
26 27 26 00-0230	EA	2-1/4" Handy Box Cover Units Fuseholder Switch .....	113.31	43.31
26 27 26 00-0231	EA	2-3/4" Handy Box Cover Units Fuseholder Switch .....	115.98	43.31
26 27 26 00-0232	EA	4" Square Box Cover Units With 2 Fuseholders And 2 Switches .....	143.23	52.94
26 27 26 00-0233	EA	4" Square Box Cover Units With 1 Fuseholder And 1 Switch .....	130.27	48.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0234 EA 4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch .....	130.94	48.12
<b>26 27 26 00-0235 Plates And Covers (26 27 26)</b>		
<b>26 27 26 00-0236 Wall Plates (26 27 26 00-0235)</b>		
<b>26 27 26 00-0237 Nylon Wall Plates (26 27 26 00-0236)</b>		
26 27 26 00-0238 EA 1 Gang Nylon Switch Wall Plates .....	1.68	0.48
26 27 26 00-0239 EA 2 Gang Nylon Switch Wall Plates .....	2.90	0.72
26 27 26 00-0240 EA 3 Gang Nylon Switch Wall Plates .....	4.15	0.96
26 27 26 00-0241 EA 4 Gang Nylon Switch Wall Plate .....	6.07	1.21
26 27 26 00-0242 EA 1 Gang Duplex Nylon Wall Plate.....	1.70	0.48
26 27 26 00-0243 EA 2 Gang Duplex Nylon Wall Plate.....	2.98	0.72
<b>26 27 26 00-0244 Plastic Wall Plates (26 27 26 00-0236)</b>		
26 27 26 00-0245 EA 1 Gang Plastic Switch Wall Plates.....	1.54	0.48
26 27 26 00-0246 EA 2 Gang Plastic Switch Wall Plates.....	2.61	0.72
26 27 26 00-0247 EA 3 Gang Plastic Switch Wall Plates.....	3.69	0.96
26 27 26 00-0248 EA 4 Gang Plastic Switch Wall Plates.....	6.07	1.21
26 27 26 00-0249 EA 1 Gang Duplex Plastic Wall Plate .....	1.54	0.48
26 27 26 00-0250 EA 2 Gang Duplex Plastic Wall Plate .....	2.62	0.72
<b>26 27 26 00-0251 Brass Wall Plates (26 27 26 00-0236)</b>		
26 27 26 00-0252 EA 1 Gang, 0.04" Brass Switch Wall Plates .....	17.94	2.16
26 27 26 00-0253 EA 2 Gang, 0.04" Brass Switch Wall Plates .....	34.54	2.50
26 27 26 00-0254 EA 3 Gang, 0.04" Brass Switch Wall Plates .....	51.04	2.79
26 27 26 00-0255 EA 4 Gang, 0.04" Brass Switch Wall Plates .....	80.19	3.03
26 27 26 00-0256 EA 5 Gang, 0.04" Brass Switch Wall Plates .....	97.95	3.23
26 27 26 00-0257 EA 6 Gang, 0.04" Brass Switch Wall Plates .....	113.58	3.37
26 27 26 00-0258 EA 1 Gang, 0.04" Brass Duplex Receptacle Wall Plate.....	17.94	2.16
26 27 26 00-0259 EA 2 Gang, 0.04" Brass Duplex Receptacle Wall Plate.....	40.73	2.50
26 27 26 00-0260 EA 3 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	59.21	2.79
<b>26 27 26 00-0261 Stainless Steel Wall Plates (26 27 26 00-0236)</b>		
26 27 26 00-0262 EA 1 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	8.99	2.16
26 27 26 00-0263 EA 2 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	14.99	2.50
26 27 26 00-0264 EA 3 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	21.36	2.79
26 27 26 00-0265 EA 4 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	31.98	3.03
26 27 26 00-0266 EA 5 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	37.87	3.23
26 27 26 00-0267 EA 6 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	46.11	3.37
26 27 26 00-0268 EA 1 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate .....	9.98	2.16
26 27 26 00-0269 EA 2 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate .....	17.31	2.50
26 27 26 00-0270 EA 3 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate .....	29.03	2.79
26 27 26 00-0271 EA 4 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate .....	35.31	3.03
<b>26 27 26 00-0272 Chrome Wall Plates (26 27 26 00-0236)</b>		
26 27 26 00-0273 EA 1 Gang, 0.040" Chrome Switch Wall Plate .....	37.20	2.16
26 27 26 00-0274 EA 2 Gang 0.040" Chrome Switch Wall Plate .....	70.61	2.50
26 27 26 00-0275 EA 3 Gang 0.040" Chrome Switch Wall Plate .....	104.03	2.79
26 27 26 00-0276 EA 1 Gang 0.040" Chrome Duplex Receptacle Wall Plate .....	37.17	2.16
<b>26 27 26 00-0277 Weatherproof Covers (26 27 26 00-0235)</b>		
<b>26 27 26 00-0278 Stamped Metallic Weatherproof Covers (26 27 26 00-0277)</b>		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0279 EA Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC) .....	10.94	0.48
26 27 26 00-0280 EA Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC).....	11.87	0.48
26 27 26 00-0281 EA Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC).....	11.87	0.48
26 27 26 00-0282 EA Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC) .....	11.87	0.48
26 27 26 00-0283 EA Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC) .....	14.53	0.72
26 27 26 00-0284 EA Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC).....	16.52	0.72
26 27 26 00-0285 EA Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC).....	16.72	0.72
26 27 26 00-0286 EA Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC) .....	16.72	0.72
26 27 26 00-0287 EA Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC).....	22.80	0.72
26 27 26 00-0288 EA Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB) .....	21.52	0.96
26 27 26 00-0289 EA Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT) .....	23.56	0.96
<b>26 27 26 00-0290 Cast Metallic Weatherproof Covers (26 27 26 00-0277)</b>		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0291 EA Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC).....	13.43	0.48
26 27 26 00-0292 EA Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA).....	43.19	0.48
26 27 26 00-0293 EA Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR).....	48.45	0.48
26 27 26 00-0294 EA Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG).....	13.33	0.48
26 27 26 00-0295 EA Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT) .....	36.59	0.48

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 27 26 00-0296	EA	Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT) .....	60.96	0.48
	26 27 26 00-0297	EA	Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST) .....	77.65	0.48
	26 27 26 00-0298	EA	Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC) .....	16.72	0.72
	26 27 26 00-0299	EA	Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST).....	122.68	0.72
	26 27 26 00-0300	EA	Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC) .....	28.05	0.96
	26 27 26 00-0301	EA	Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST).....	117.12	0.96
<b>26 27 26 00-0302</b>	<b>Die Cast Aluminum Weatherproof Covers</b> <small>(26 27 26 00-0277)</small>				
	Note: Includes electrostatically applied powder coating and neoprene gasket.				
	26 27 26 00-0303	EA	Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027) .....	4.79	0.48
	26 27 26 00-0304	EA	Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026).....	6.19	0.48
	26 27 26 00-0305	EA	Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032).....	8.29	0.72
	26 27 26 00-0306	EA	Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041) .....	9.01	0.72
	26 27 26 00-0307	EA	Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042).....	9.01	0.72
	26 27 26 00-0308	EA	Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043).....	10.06	0.72
<b>26 27 26 00-0309</b>	<b>Heavy Duty Die Cast Aluminum Weatherproof Covers</b> <small>(26 27 26 00-0277)</small>				
	Note: Includes baked on lacquer finish and neoprene gasket.				
	26 27 26 00-0310	EA	Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour LeGrand® 4510).....	50.36	0.48
<b>26 27 26 00-0311</b>	<b>Polycarbonate Weatherproof Covers</b> <small>(26 27 26 00-0277)</small>				
	Note: Includes neoprene gasket.				
	26 27 26 00-0312	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730) .....	10.02	0.48
	26 27 26 00-0313	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730) .....	10.02	0.48
	26 27 26 00-0314	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	10.02	0.48
	26 27 26 00-0315	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	12.35	0.72
	26 27 26 00-0316	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775) .....	12.35	0.72
<b>26 27 26 00-0317</b>	<b>High Impact Thermoplastic Weatherproof Covers</b> <small>(26 27 26 00-0277)</small>				
	Note: Includes neoprene gasket.				
	26 27 26 00-0318	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522) .....	88.41	0.48
<b>26 27 26 00-0319</b>	<b>Non Metallic (PVC) Weatherproof Covers</b> <small>(26 27 26 00-0277)</small>				
	Note: Includes neoprene gasket.				
	26 27 26 00-0320	EA	Blank Cover, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	13.41	0.48
	26 27 26 00-0321	EA	Blank Cover, Two Gang, Non Metallic (PVC) Weatherproof Cover .....	14.26	0.72
	26 27 26 00-0322	EA	Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	13.45	0.48
	26 27 26 00-0323	EA	Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	30.04	0.48
	26 27 26 00-0324	EA	Duplex Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	34.88	0.48
	26 27 26 00-0325	EA	20 Amperes, Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	28.21	0.48
	26 27 26 00-0326	EA	30 Amperes, Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	20.94	0.48
	26 27 26 00-0327	EA	50 Amperes, Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	24.56	0.48
	26 27 26 00-0328	EA	Plunger Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	21.93	0.48
	26 27 26 00-0329	EA	Double Duplex Receptacle, Two Gang, Non Metallic (PVC) Weatherproof Cover .....	31.55	0.72
<b>26 27 26 00-0330</b>	<b>Removal And Reinstallation Of Wiring Devices</b> <small>(26 27 26)</small>				
	Note: Includes storage and cleaning.				
	26 27 26 00-0331	EA	Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device .....	63.19	
	26 27 26 00-0332	EA	Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate.....	8.00	
<b>26 27 26 00-0333</b>	<b>Relay Systems</b> <small>(26 27 26)</small>				
	26 27 26 00-0334	EA	10 Amperes, 24 Volt Coil, 2 Position Relay .....	79.48	21.61
	26 27 26 00-0335	EA	20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay .....	356.65	72.03
	26 27 26 00-0336	EA	20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay .....	617.59	96.04
<b>26 27 26 00-0337</b>	<b>Limit Switches</b> <small>(26 27 26)</small>				
<b>26 27 26 00-0338</b>	<b>Heavy Duty Precision Oiltight</b> <small>(26 27 26 00-0337)</small>				
<b>26 27 26 00-0339</b>	<b>Lever Arm, Plunger, Wobble Stick Type</b> <small>(26 27 26 00-0338)</small>				
	26 27 26 00-0340	EA	Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amperes Rated .....	407.17	60.51
<b>26 27 26 00-0341</b>	<b>In Line Midget Fuseholders</b> <small>(26 27 26)</small>				
	See CSI section 26 28 13 00-0078 for fuses.				
	26 27 26 00-0342	EA	Single Pole Water Resistant In Line Midget Fuseholder .....	78.22	
	26 27 26 00-0343	EA	Double Pole Water Resistant In Line Midget Fuseholder.....	194.69	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**26 27 33 Power Distribution Units (26 27)**

Note: Includes wiring connections and testing.

<b>26 27 33 00-0001</b>	<b>Liebert Precision Power Center (26 27 33)</b>		
	Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.		
26 27 33 00-0002	EA PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C) .....	20,369.99	295.32
26 27 33 00-0003	EA PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C) .....	24,616.97	320.10
26 27 33 00-0004	EA PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C) .....	28,060.40	355.35
26 27 33 00-0005	EA PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C) .....	32,300.14	384.16
26 27 33 00-0006	EA PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C) .....	35,210.49	480.20
26 27 33 00-0007	EA PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C) .....	39,479.97	576.25
26 27 33 00-0008	EA PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C) .....	45,548.28	672.29
26 27 33 00-0009	EA PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C) .....	47,859.02	768.32
26 27 33 00-0010	EA PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C) .....	50,529.50	864.37
26 27 33 00-0011	EA Ex Panelboard 10-30 KVA .....	1,767.08	96.04
26 27 33 00-0012	EA Ex Panelboard 50-125 KVA .....	2,654.55	120.05
26 27 33 00-0013	EA Ex Panelboard 150-220 KVA .....	6,060.43	144.06
26 27 33 00-0014	EA Removal And Reinstallation Of Power Distribution Unit.....	1,536.66	
	Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.		
26 27 33 00-0015	EA Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only .....	1,152.50	

**26 27 73 Door Chimes (26 27)**

<b>26 27 73 00-0001</b>	<b>Door Bell Chime And Door Button With Built-In Viewer (26 27 73)</b>		
	Note: Non-electric chime, mounted on door		
26 27 73 00-0002	EA Mechanical Door Bell Chime And Door Button With Built-In Viewer (Newhouse Hardware MCHBV) .....	79.12	16.35

**26 27 73 00-0003 Wireless Door Bell System (26 27 73)**

26 27 73 00-0004	EA Wireless Doorbell Chime And Push Button (Broan LA542WH) .....	125.38	
	Note: Includes 2 push buttons		
26 27 73 00-0005	EA Wireless Doorbell Chime And Push Button (STI-3350G).....	117.39	
	Note: Includes 2 push buttons		
26 27 73 00-0006	EA Wireless Doorbell Chime And Push Button (GE 19300) .....	84.75	
	Note: Includes 2 push buttons		

**26 27 73 00-0007 Door Bell Buzzer System, Wired (26 27 73)**

26 27 73 00-0008	EA Door Bell, Push-Button And Transformer, Complete .....	624.94	200.06
26 27 73 00-0009	EA Visual Flashing Doorbell Indicator, Wire To Existing System, Complete .....	307.08	48.02
26 27 73 00-0010	EA Removal And Replacement Of Bell/Buzzer, Complete .....	117.35	24.01
	Note: Includes removal of existing.		

**26 28 Low-Voltage Circuit Protective Devices (26 20)**

**26 28 13 Fuses (26 28)**

<b>26 28 13 00-0001</b>	<b>125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses (26 28 13)</b>		
26 28 13 00-0002	EA 1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	21.43	6.92
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
26 28 13 00-0003	EA 2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	20.95	6.92
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
26 28 13 00-0004	EA 3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	20.29	6.92
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
26 28 13 00-0005	EA 5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	20.20	6.92
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
26 28 13 00-0006	EA 6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	20.81	6.92
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
26 28 13 00-0007	EA 8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	19.61	6.92
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
26 28 13 00-0008	EA 10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	19.33	6.92
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
26 28 13 00-0009	EA 15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	16.99	6.92
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
26 28 13 00-0010	EA 20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	16.63	6.92
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
26 28 13 00-0011	EA 25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	17.31	6.92
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
26 28 13 00-0012	EA 30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	16.84	6.92
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
<b>26 28 13 00-0013</b>	<b>Class RK1, Time Delay Fuses (26 28 13)</b>		
<b>26 28 13 00-0014</b>	<b>250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses (26 28 13 00-0013)</b>		
26 28 13 00-0015	EA 1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse .....	32.95	6.92
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
26 28 13 00-0016	EA 2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	30.83	6.92
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0057 EA 35 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	59.71	6.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
26 28 13 00-0058 EA 40 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	59.86	6.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
26 28 13 00-0059 EA 45 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	58.70	6.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
26 28 13 00-0060 EA 50 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	59.25	6.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
26 28 13 00-0061 EA 60 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	59.73	6.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
<b>26 28 13 00-0062 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses <sup>(26 28</sup></b>		
<small><sup>13 00-0013)</sup></small>		
26 28 13 00-0063 EA 70 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	111.39	8.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.76	
26 28 13 00-0064 EA 80 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	114.24	9.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 28 13 00-0065 EA 90 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	113.63	9.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 28 13 00-0066 EA 100 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	114.11	9.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 28 13 00-0067 EA 110 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	207.84	9.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 28 13 00-0068 EA 125 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	210.96	9.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 28 13 00-0069 EA 150 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	208.64	11.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.78	
26 28 13 00-0070 EA 200 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	208.13	11.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.78	
26 28 13 00-0071 EA 250 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	394.94	11.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.78	
26 28 13 00-0072 EA 300 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	397.80	14.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.51	
26 28 13 00-0073 EA 350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	448.26	14.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.51	
26 28 13 00-0074 EA 400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	406.38	14.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.51	
26 28 13 00-0075 EA 450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	727.89	14.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.51	
26 28 13 00-0076 EA 500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	649.27	17.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.53	
26 28 13 00-0077 EA 600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	566.68	17.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.53	
<b>26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses <sup>(26 28 13)</sup></b>		
<small>Note: 250/300 Volt DC.</small>		
26 28 13 00-0079 EA 1 Amperes, 600 Volt AC, Class CC Midget Fuse.....	37.77	6.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
26 28 13 00-0080 EA 2 Amperes, 600 Volt AC, Class CC Midget Fuse.....	38.33	6.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
26 28 13 00-0081 EA 3 Amperes, 600 Volt AC, Class CC Midget Fuse.....	38.17	6.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
26 28 13 00-0082 EA 5 Amperes, 600 Volt AC, Class CC Midget Fuse.....	37.99	6.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
26 28 13 00-0083 EA 6 Amperes, 600 Volt AC, Class CC Midget Fuse.....	40.64	6.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
26 28 13 00-0084 EA 8 Amperes, 600 Volt AC, Class CC Midget Fuse.....	36.40	6.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
26 28 13 00-0085 EA 10 Amperes, 600 Volt AC, Class CC Midget Fuse.....	41.38	6.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
26 28 13 00-0086 EA 15 Amperes, 600 Volt AC, Class CC Midget Fuse.....	38.01	6.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
26 28 13 00-0087 EA 20 Amperes, 600 Volt AC, Class CC Midget Fuse.....	37.32	6.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
26 28 13 00-0088 EA 25 Amperes, 600 Volt AC, Class CC Midget Fuse.....	35.73	6.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
26 28 13 00-0089 EA 30 Amperes, 600 Volt AC, Class CC Midget Fuse.....	37.08	6.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
<b>26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse <sup>(26</sup></b>		
<small><sup>28 13)</sup></small>		
26 28 13 00-0091 EA 1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	48.05	4.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.88	
26 28 13 00-0092 EA 3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	48.42	4.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.88	
26 28 13 00-0093 EA 6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	41.96	5.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.46	
26 28 13 00-0094 EA 10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	41.90	7.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.32	
26 28 13 00-0095 EA 15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	42.78	7.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.32	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0096 EA 20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	41.99	7.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.32	
26 28 13 00-0097 EA 25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	53.54	9.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.76	
26 28 13 00-0098 EA 30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	44.72	9.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.76	
26 28 13 00-0099 EA 35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	77.63	9.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.76	
26 28 13 00-0100 EA 40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	66.29	9.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.76	
26 28 13 00-0101 EA 45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	75.90	9.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.76	
26 28 13 00-0102 EA 50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	67.67	12.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.21	
26 28 13 00-0103 EA 60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	66.44	12.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.21	
26 28 13 00-0104 EA 70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	102.82	14.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.64	
26 28 13 00-0105 EA 80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	109.55	14.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.64	
26 28 13 00-0106 EA 90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	107.83	14.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.64	
26 28 13 00-0107 EA 100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	94.78	16.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.08	
26 28 13 00-0108 EA 110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	220.32	16.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.08	
26 28 13 00-0109 EA 125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	187.42	16.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.08	
26 28 13 00-0110 EA 150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	178.95	19.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 28 13 00-0111 EA 175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	181.57	19.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 28 13 00-0112 EA 200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	150.96	19.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 28 13 00-0113 EA 225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	379.83	19.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 28 13 00-0114 EA 250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	351.27	19.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 28 13 00-0115 EA 300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	323.78	19.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 28 13 00-0116 EA 350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	353.03	19.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 28 13 00-0117 EA 400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	291.86	21.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.97	
26 28 13 00-0118 EA 450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	618.23	21.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.97	
26 28 13 00-0119 EA 500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	525.14	24.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.41	
26 28 13 00-0120 EA 600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	391.05	24.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.41	
<b>26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses</b> <sup>(26 28 13)</sup>		
26 28 13 00-0122 EA 100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,180.78	12.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.20	
26 28 13 00-0123 EA 150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,183.11	12.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.20	
26 28 13 00-0124 EA 200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,185.28	12.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.20	
26 28 13 00-0125 EA 250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,181.74	14.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.64	
26 28 13 00-0126 EA 300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,088.49	14.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.64	
26 28 13 00-0127 EA 350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,164.85	16.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.08	
26 28 13 00-0128 EA 400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,072.28	16.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.08	
26 28 13 00-0129 EA 450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,199.05	16.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.08	
26 28 13 00-0130 EA 500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,175.70	16.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.08	
26 28 13 00-0131 EA 600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,046.23	19.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 28 13 00-0132 EA 601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,074.32	19.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 28 13 00-0133 EA 650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,427.47	19.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 28 13 00-0134 EA 700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,041.13	19.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 28 13 00-0135 EA 750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,597.67	21.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.97	
26 28 13 00-0136 EA 800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	921.49	21.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0137 EA 900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,344.28	21.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.97	
26 28 13 00-0138 EA 1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	906.03	21.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.97	
26 28 13 00-0139 EA 1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	932.91	21.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.97	
26 28 13 00-0140 EA 1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,070.24	21.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.97	
26 28 13 00-0141 EA 1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,041.20	21.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.97	
26 28 13 00-0142 EA 1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,841.92	21.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.97	
26 28 13 00-0143 EA 1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,152.26	24.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.41	
26 28 13 00-0144 EA 1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,438.20	24.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.41	
26 28 13 00-0145 EA 2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,562.15	24.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.41	
26 28 13 00-0146 EA 2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,110.57	24.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.41	
26 28 13 00-0147 EA 2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,593.01	24.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.41	
26 28 13 00-0148 EA 3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,352.79	26.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.85	
26 28 13 00-0149 EA 3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	4,861.40	26.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.85	
26 28 13 00-0150 EA 3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	5,640.27	26.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.85	
26 28 13 00-0151 EA 4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,263.08	26.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.85	
26 28 13 00-0152 EA 5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	5,147.37	26.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.85	
26 28 13 00-0153 EA 6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	8,518.40	26.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.85	

**26 28 16 Enclosed Switches and Circuit Breakers (26 28)**

**26 28 16 13 Enclosed Circuit Breakers (26 28 16)**

**26 28 16 13-0001 Branch Circuit Breakers (26 28 16 13)**

Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

**26 28 16 13-0002 Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On (26 28 16 13-0001)**

Note: Includes connection of electrical wire.

26 28 16 13-0003 EA 1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	47.16	17.29
<i>For Bolt-On, Add</i>	12.62	
<i>For Installation In New Panelboard, Deduct</i>	-9.61	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.53	
26 28 16 13-0004 EA 1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	47.16	17.29
<i>For Bolt-On, Add</i>	12.62	
<i>For Installation In New Panelboard, Deduct</i>	-9.61	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.53	
26 28 16 13-0005 EA 1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	68.20	21.61
<i>For Bolt-On, Add</i>	16.93	
<i>For Installation In New Panelboard, Deduct</i>	-12.01	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.41	
26 28 16 13-0006 EA 1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	102.89	21.61
<i>For Bolt-On, Add</i>	21.26	
<i>For Installation In New Panelboard, Deduct</i>	-12.01	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.41	
26 28 16 13-0007 EA 1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	142.55	21.61
<i>For Bolt-On, Add</i>	26.22	
<i>For Installation In New Panelboard, Deduct</i>	-12.01	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.41	
26 28 16 13-0008 EA 1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	165.17	21.61
<i>For Bolt-On, Add</i>	29.05	
<i>For Installation In New Panelboard, Deduct</i>	-12.01	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.41	
26 28 16 13-0009 EA 1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity.....	81.03	21.61
<i>For Bolt-On, Add</i>	18.53	
<i>For Installation In New Panelboard, Deduct</i>	-12.01	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.41	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 28 Low-Voltage Circuit Protective Devices**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0010 EA 2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	77.80	25.93
For Bolt-On, Add	19.81	
For Installation In New Panelboard, Deduct	-14.41	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.29	
26 28 16 13-0011 EA 2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	77.80	25.93
For Bolt-On, Add	19.81	
For Installation In New Panelboard, Deduct	-14.41	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.29	
26 28 16 13-0012 EA 2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	117.19	34.58
For Bolt-On, Add	28.09	
For Installation In New Panelboard, Deduct	-19.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 28 16 13-0013 EA 2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	193.58	43.22
For Bolt-On, Add	41.00	
For Installation In New Panelboard, Deduct	-24.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.81	
26 28 16 13-0014 EA 2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	228.06	48.02
For Bolt-On, Add	46.99	
For Installation In New Panelboard, Deduct	-26.41	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.69	
26 28 16 13-0015 EA 2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	193.06	30.74
For Bolt-On, Add	36.23	
For Installation In New Panelboard, Deduct	-17.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.75	
26 28 16 13-0016 EA 2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	257.95	30.74
For Bolt-On, Add	44.35	
For Installation In New Panelboard, Deduct	-17.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.75	
26 28 16 13-0017 EA 3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	147.46	34.58
For Bolt-On, Add	31.88	
For Installation In New Panelboard, Deduct	-19.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 28 16 13-0018 EA 3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	147.46	34.58
For Bolt-On, Add	31.88	
For Installation In New Panelboard, Deduct	-19.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 28 16 13-0019 EA 3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	193.20	43.22
For Bolt-On, Add	40.96	
For Installation In New Panelboard, Deduct	-24.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.81	
26 28 16 13-0020 EA 3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	291.76	51.86
For Bolt-On, Add	56.64	
For Installation In New Panelboard, Deduct	-28.81	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.58	
26 28 16 13-0021 EA 3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	372.02	60.51
For Bolt-On, Add	70.03	
For Installation In New Panelboard, Deduct	-33.62	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.34	
<b>26 28 16 13-0022 Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On <sup>(26 28)</sup></b>		
<small>16 13-0001</small>		
Note: Includes connection of electrical wire.		
26 28 16 13-0023 EA 1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	67.72	17.29
For Bolt-On, Add	15.19	
For Installation In New Panelboard, Deduct	-9.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 28 16 13-0024 EA 1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	67.72	17.29
For Bolt-On, Add	15.19	
For Installation In New Panelboard, Deduct	-9.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 28 16 13-0025 EA 1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	120.74	21.61
For Bolt-On, Add	23.50	
For Installation In New Panelboard, Deduct	-12.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.41	
26 28 16 13-0026 EA 1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	187.44	21.61
For Bolt-On, Add	31.83	
For Installation In New Panelboard, Deduct	-12.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0027 EA 2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	131.91	25.93
For Bolt-On, Add	26.57	
For Installation In New Panelboard, Deduct	-14.41	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.29	
26 28 16 13-0028 EA 2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	131.91	25.93
For Bolt-On, Add	26.57	
For Installation In New Panelboard, Deduct	-14.41	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.29	
26 28 16 13-0029 EA 2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	259.35	34.58
For Bolt-On, Add	45.86	
For Installation In New Panelboard, Deduct	-19.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 28 16 13-0030 EA 2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	353.24	43.22
For Bolt-On, Add	60.96	
For Installation In New Panelboard, Deduct	-24.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.81	
26 28 16 13-0031 EA 2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	518.65	48.02
For Bolt-On, Add	83.32	
For Installation In New Panelboard, Deduct	-26.41	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.69	
26 28 16 13-0032 EA 3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	210.23	34.58
For Bolt-On, Add	39.72	
For Installation In New Panelboard, Deduct	-19.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 28 16 13-0033 EA 3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	210.23	34.58
For Bolt-On, Add	39.72	
For Installation In New Panelboard, Deduct	-19.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 28 16 13-0034 EA 3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	314.20	43.22
For Bolt-On, Add	56.08	
For Installation In New Panelboard, Deduct	-24.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.81	
26 28 16 13-0035 EA 3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	446.75	51.86
For Bolt-On, Add	76.01	
For Installation In New Panelboard, Deduct	-28.81	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.58	
26 28 16 13-0036 EA 3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	691.25	60.51
For Bolt-On, Add	109.94	
For Installation In New Panelboard, Deduct	-33.62	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.34	
26 28 16 13-0037 EA 3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	797.57	64.83
For Bolt-On, Add	124.91	
For Installation In New Panelboard, Deduct	-36.02	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.22	
26 28 16 13-0038 EA 3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	856.84	69.15
For Bolt-On, Add	134.00	
For Installation In New Panelboard, Deduct	-38.42	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.10	
26 28 16 13-0039 EA 3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	1,013.70	73.47
For Bolt-On, Add	155.28	
For Installation In New Panelboard, Deduct	-40.82	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.98	
<b>26 28 16 13-0040 Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On <sup>(2628</sup></b>		
<sup>16 13-0001)</sup>		
Note: Includes connection of electrical wire.		
26 28 16 13-0041 EA 15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	81.23	17.29
For Bolt-On, Add	16.88	
For Installation In New Panelboard, Deduct	-9.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 28 16 13-0042 EA 35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	81.23	17.29
For Bolt-On, Add	16.88	
For Installation In New Panelboard, Deduct	-9.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 28 16 13-0043 EA 70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	134.08	21.61
For Bolt-On, Add	25.16	
For Installation In New Panelboard, Deduct	-12.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.41	

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 28</b>	<b>Low-Voltage Circuit Protective Devices</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0044	EA		15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	167.11	25.93
			<i>For Bolt-On, Add</i>	30.97	
			<i>For Installation In New Panelboard, Deduct</i>	-14.41	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.29	
26 28 16 13-0045	EA		35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	167.11	25.93
			<i>For Bolt-On, Add</i>	30.97	
			<i>For Installation In New Panelboard, Deduct</i>	-14.41	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.29	
26 28 16 13-0046	EA		70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	293.11	34.58
			<i>For Bolt-On, Add</i>	50.08	
			<i>For Installation In New Panelboard, Deduct</i>	-19.21	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.05	
26 28 16 13-0047	EA		110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	751.19	43.22
			<i>For Bolt-On, Add</i>	110.71	
			<i>For Installation In New Panelboard, Deduct</i>	-24.01	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.81	
26 28 16 13-0048	EA		15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	268.33	34.58
			<i>For Bolt-On, Add</i>	46.99	
			<i>For Installation In New Panelboard, Deduct</i>	-19.21	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.05	
26 28 16 13-0049	EA		35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	268.33	34.58
			<i>For Bolt-On, Add</i>	46.99	
			<i>For Installation In New Panelboard, Deduct</i>	-19.21	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.05	
26 28 16 13-0050	EA		70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	356.48	43.22
			<i>For Bolt-On, Add</i>	61.37	
			<i>For Installation In New Panelboard, Deduct</i>	-24.01	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.81	
26 28 16 13-0051	EA		110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	929.91	51.86
			<i>For Bolt-On, Add</i>	136.41	
			<i>For Installation In New Panelboard, Deduct</i>	-28.81	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.58	
26 28 16 13-0052			<b>Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On <small>(26 28 16 13-0001)</small></b>		
			<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0053	EA		15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	92.69	17.29
			<i>For Bolt-On, Add</i>	18.31	
			<i>For Installation In New Panelboard, Deduct</i>	-9.61	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.53	
26 28 16 13-0054	EA		35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	92.69	17.29
			<i>For Bolt-On, Add</i>	18.31	
			<i>For Installation In New Panelboard, Deduct</i>	-9.61	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.53	
26 28 16 13-0055	EA		70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	109.26	21.61
			<i>For Bolt-On, Add</i>	22.06	
			<i>For Installation In New Panelboard, Deduct</i>	-12.01	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.41	
26 28 16 13-0056	EA		15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	185.90	21.61
			<i>For Bolt-On, Add</i>	31.64	
			<i>For Installation In New Panelboard, Deduct</i>	-12.01	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.41	
26 28 16 13-0057	EA		15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	197.04	25.93
			<i>For Bolt-On, Add</i>	34.71	
			<i>For Installation In New Panelboard, Deduct</i>	-14.41	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.29	
26 28 16 13-0058	EA		35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	197.04	25.93
			<i>For Bolt-On, Add</i>	34.71	
			<i>For Installation In New Panelboard, Deduct</i>	-14.41	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.29	
26 28 16 13-0059	EA		70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	238.90	34.58
			<i>For Bolt-On, Add</i>	43.31	
			<i>For Installation In New Panelboard, Deduct</i>	-19.21	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.05	
26 28 16 13-0060	EA		110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	344.50	43.22
			<i>For Bolt-On, Add</i>	59.87	
			<i>For Installation In New Panelboard, Deduct</i>	-24.01	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.81	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0061 EA 150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	445.71	48.02
For Bolt-On, Add	74.20	
For Installation In New Panelboard, Deduct	-26.41	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.69	
26 28 16 13-0062 EA 250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	556.54	56.19
For Bolt-On, Add	91.42	
For Installation In New Panelboard, Deduct	-31.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.46	
26 28 16 13-0063 EA 300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	600.40	64.83
For Bolt-On, Add	100.26	
For Installation In New Panelboard, Deduct	-36.02	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.22	
26 28 16 13-0064 EA 15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	239.40	34.58
For Bolt-On, Add	43.37	
For Installation In New Panelboard, Deduct	-19.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 28 16 13-0065 EA 35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	239.40	34.58
For Bolt-On, Add	43.37	
For Installation In New Panelboard, Deduct	-19.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 28 16 13-0066 EA 70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	280.76	43.22
For Bolt-On, Add	51.90	
For Installation In New Panelboard, Deduct	-24.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.81	
26 28 16 13-0067 EA 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	426.94	51.86
For Bolt-On, Add	73.54	
For Installation In New Panelboard, Deduct	-28.81	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.58	
26 28 16 13-0068 EA 150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	560.39	67.23
For Bolt-On, Add	96.10	
For Installation In New Panelboard, Deduct	-37.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.66	
26 28 16 13-0069 EA 250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	692.44	77.80
For Bolt-On, Add	116.81	
For Installation In New Panelboard, Deduct	-43.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.86	
26 28 16 13-0070 EA 300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	736.41	82.59
For Bolt-On, Add	123.99	
For Installation In New Panelboard, Deduct	-45.62	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.74	
<b>26 28 16 13-0071 Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On <small>(26 28 16 13-0001)</small></b>		
Note: Includes connection of electrical wire.		
26 28 16 13-0072 EA 15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	204.51	25.93
For Bolt-On, Add	35.65	
For Installation In New Panelboard, Deduct	-14.41	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.29	
26 28 16 13-0073 EA 35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	204.51	25.93
For Bolt-On, Add	35.65	
For Installation In New Panelboard, Deduct	-14.41	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.29	
26 28 16 13-0074 EA 70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	311.17	34.58
For Bolt-On, Add	52.34	
For Installation In New Panelboard, Deduct	-19.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 28 16 13-0075 EA 110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	506.00	43.22
For Bolt-On, Add	80.06	
For Installation In New Panelboard, Deduct	-24.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.81	
26 28 16 13-0076 EA 150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	788.76	53.78
For Bolt-On, Add	119.60	
For Installation In New Panelboard, Deduct	-30.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.02	
26 28 16 13-0077 EA 250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	894.29	56.19
For Bolt-On, Add	133.64	
For Installation In New Panelboard, Deduct	-31.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.46	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0078	EA		300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	977.03	64.83
			<i>For Bolt-On, Add</i>	147.34	
			<i>For Installation In New Panelboard, Deduct</i>	-36.02	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.22	
26 28 16 13-0079	EA		15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	294.02	34.58
			<i>For Bolt-On, Add</i>	50.20	
			<i>For Installation In New Panelboard, Deduct</i>	-19.21	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.05	
26 28 16 13-0080	EA		35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	294.02	34.58
			<i>For Bolt-On, Add</i>	50.20	
			<i>For Installation In New Panelboard, Deduct</i>	-19.21	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.05	
26 28 16 13-0081	EA		70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	370.38	43.22
			<i>For Bolt-On, Add</i>	63.10	
			<i>For Installation In New Panelboard, Deduct</i>	-24.01	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.81	
26 28 16 13-0082	EA		110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	629.54	51.86
			<i>For Bolt-On, Add</i>	98.86	
			<i>For Installation In New Panelboard, Deduct</i>	-28.81	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.58	
26 28 16 13-0083	EA		150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	920.46	67.23
			<i>For Bolt-On, Add</i>	141.11	
			<i>For Installation In New Panelboard, Deduct</i>	-37.22	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.66	
26 28 16 13-0084	EA		250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	1,087.32	77.80
			<i>For Bolt-On, Add</i>	166.17	
			<i>For Installation In New Panelboard, Deduct</i>	-43.22	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.86	
26 28 16 13-0085	EA		300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	1,176.47	82.59
			<i>For Bolt-On, Add</i>	178.99	
			<i>For Installation In New Panelboard, Deduct</i>	-45.62	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.74	
26 28 16 13-0086			<b>Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On <small>(26 28 16 13-0001)</small></b>		
			<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0087	EA		2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	211.94	25.93
			<i>For Bolt-On, Add</i>	36.58	
			<i>For Installation In New Panelboard, Deduct</i>	-14.41	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.29	
26 28 16 13-0088	EA		2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	211.94	25.93
			<i>For Bolt-On, Add</i>	36.58	
			<i>For Installation In New Panelboard, Deduct</i>	-14.41	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.29	
26 28 16 13-0089	EA		2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	379.75	34.58
			<i>For Bolt-On, Add</i>	60.91	
			<i>For Installation In New Panelboard, Deduct</i>	-19.21	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.05	
26 28 16 13-0090	EA		2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	696.17	43.22
			<i>For Bolt-On, Add</i>	103.83	
			<i>For Installation In New Panelboard, Deduct</i>	-24.01	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.81	
26 28 16 13-0091	EA		2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,103.12	53.78
			<i>For Bolt-On, Add</i>	158.90	
			<i>For Installation In New Panelboard, Deduct</i>	-30.01	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.02	
26 28 16 13-0092	EA		2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,255.83	56.19
			<i>For Bolt-On, Add</i>	178.83	
			<i>For Installation In New Panelboard, Deduct</i>	-31.21	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.46	
26 28 16 13-0093	EA		2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,367.18	64.83
			<i>For Bolt-On, Add</i>	196.11	
			<i>For Installation In New Panelboard, Deduct</i>	-36.02	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.22	
26 28 16 13-0094	EA		3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	345.46	34.58
			<i>For Bolt-On, Add</i>	56.63	
			<i>For Installation In New Panelboard, Deduct</i>	-19.21	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0095 EA 3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity.....	345.46	34.58
For Bolt-On, Add	56.63	
For Installation In New Panelboard, Deduct	-19.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 28 16 13-0096 EA 3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity.....	459.55	43.22
For Bolt-On, Add	74.25	
For Installation In New Panelboard, Deduct	-24.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.81	
26 28 16 13-0097 EA 3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity.....	846.83	51.86
For Bolt-On, Add	126.02	
For Installation In New Panelboard, Deduct	-28.81	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.58	
26 28 16 13-0098 EA 3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity.....	1,069.84	67.23
For Bolt-On, Add	159.78	
For Installation In New Panelboard, Deduct	-37.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.66	
26 28 16 13-0099 EA 3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity.....	1,708.06	77.80
For Bolt-On, Add	243.76	
For Installation In New Panelboard, Deduct	-43.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.86	
26 28 16 13-0100 EA 3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity.....	1,819.19	82.59
For Bolt-On, Add	259.33	
For Installation In New Panelboard, Deduct	-45.62	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.74	
<b>26 28 16 13-0101 Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On</b> <small>(2628 16 13-0001)</small>		
Note: Includes connection of electrical wire.		
26 28 16 13-0102 EA 1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity.....	111.41	17.29
For Bolt-On, Add	20.65	
For Installation In New Panelboard, Deduct	-9.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 28 16 13-0103 EA 1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity.....	111.41	17.29
For Bolt-On, Add	20.65	
For Installation In New Panelboard, Deduct	-9.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 28 16 13-0104 EA 1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity.....	193.11	21.61
For Bolt-On, Add	32.54	
For Installation In New Panelboard, Deduct	-12.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.41	
26 28 16 13-0105 EA 2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity.....	242.36	25.93
For Bolt-On, Add	40.38	
For Installation In New Panelboard, Deduct	-14.41	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.29	
26 28 16 13-0106 EA 2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity.....	242.36	25.93
For Bolt-On, Add	40.38	
For Installation In New Panelboard, Deduct	-14.41	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.29	
26 28 16 13-0107 EA 2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity.....	442.70	34.58
For Bolt-On, Add	68.78	
For Installation In New Panelboard, Deduct	-19.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 28 16 13-0108 EA 2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity.....	821.91	43.22
For Bolt-On, Add	119.55	
For Installation In New Panelboard, Deduct	-24.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.81	
26 28 16 13-0109 EA 2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity.....	1,599.77	53.78
For Bolt-On, Add	220.98	
For Installation In New Panelboard, Deduct	-30.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.02	
26 28 16 13-0110 EA 3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity.....	400.35	34.58
For Bolt-On, Add	63.49	
For Installation In New Panelboard, Deduct	-19.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 28 16 13-0111 EA 3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity.....	400.35	34.58
For Bolt-On, Add	63.49	
For Installation In New Panelboard, Deduct	-19.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 28 Low-Voltage Circuit Protective Devices**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0112 EA 3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	535.81	43.22
For Bolt-On, Add	83.78	
For Installation In New Panelboard, Deduct	-24.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.81	
26 28 16 13-0113 EA 3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	1,012.58	51.86
For Bolt-On, Add	146.74	
For Installation In New Panelboard, Deduct	-28.81	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.58	
26 28 16 13-0114 EA 3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	1,989.06	67.23
For Bolt-On, Add	274.68	
For Installation In New Panelboard, Deduct	-37.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.66	
<b>26 28 16 13-0115 Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On <small>(26 28</small></b>		
<small>16 13-0001)</small>		
Note: Includes connection of electrical wire.		
26 28 16 13-0116 EA 15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	164.16	17.29
For Bolt-On, Add	27.24	
For Installation In New Panelboard, Deduct	-9.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 28 16 13-0117 EA 35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity .....	164.16	17.29
For Bolt-On, Add	27.24	
For Installation In New Panelboard, Deduct	-9.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 28 16 13-0118 EA 70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	249.21	21.61
For Bolt-On, Add	39.55	
For Installation In New Panelboard, Deduct	-12.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.41	
26 28 16 13-0119 EA 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	303.39	25.93
For Bolt-On, Add	48.01	
For Installation In New Panelboard, Deduct	-14.41	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.29	
26 28 16 13-0120 EA 35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	303.39	25.93
For Bolt-On, Add	48.01	
For Installation In New Panelboard, Deduct	-14.41	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.29	
26 28 16 13-0121 EA 70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	574.08	34.58
For Bolt-On, Add	85.21	
For Installation In New Panelboard, Deduct	-19.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 28 16 13-0122 EA 110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	1,044.81	43.22
For Bolt-On, Add	147.41	
For Installation In New Panelboard, Deduct	-24.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.81	
26 28 16 13-0123 EA 150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	2,088.92	48.02
For Bolt-On, Add	279.60	
For Installation In New Panelboard, Deduct	-26.41	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.69	
26 28 16 13-0124 EA 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	522.64	34.58
For Bolt-On, Add	78.78	
For Installation In New Panelboard, Deduct	-19.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 28 16 13-0125 EA 35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	522.64	34.58
For Bolt-On, Add	78.78	
For Installation In New Panelboard, Deduct	-19.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 28 16 13-0126 EA 70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	724.74	43.22
For Bolt-On, Add	107.40	
For Installation In New Panelboard, Deduct	-24.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.81	
26 28 16 13-0127 EA 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	1,178.33	51.86
For Bolt-On, Add	167.46	
For Installation In New Panelboard, Deduct	-28.81	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.58	
26 28 16 13-0128 EA 150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	2,635.11	67.23
For Bolt-On, Add	355.44	
For Installation In New Panelboard, Deduct	-37.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.66	



<b>Electrical</b>	<b>26</b>	<b>26</b>
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 28 16 13-0129 Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On</b> <small>(26 28)</small>		
<small>16 13-0001</small> Note: Includes connection of electrical wire.		
26 28 16 13-0130 EA 15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	73.12	17.29
For Bolt-On, Add	15.86	
For Installation In New Panelboard, Deduct	-9.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 28 16 13-0131 EA 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	155.40	25.93
For Bolt-On, Add	29.51	
For Installation In New Panelboard, Deduct	-14.41	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.29	
26 28 16 13-0132 EA 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	247.15	34.58
For Bolt-On, Add	44.34	
For Installation In New Panelboard, Deduct	-19.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 28 16 13-0133 EA 15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	155.12	17.29
For Bolt-On, Add	26.11	
For Installation In New Panelboard, Deduct	-9.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 28 16 13-0134 EA 35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	155.12	17.29
For Bolt-On, Add	26.11	
For Installation In New Panelboard, Deduct	-9.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.53	
26 28 16 13-0135 EA 70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	308.88	34.58
For Bolt-On, Add	52.06	
For Installation In New Panelboard, Deduct	-19.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 28 16 13-0136 EA 15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	353.65	25.93
For Bolt-On, Add	54.29	
For Installation In New Panelboard, Deduct	-14.41	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.29	
26 28 16 13-0137 EA 35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	353.65	25.93
For Bolt-On, Add	54.29	
For Installation In New Panelboard, Deduct	-14.41	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.29	
26 28 16 13-0138 EA 70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	687.37	34.58
For Bolt-On, Add	99.37	
For Installation In New Panelboard, Deduct	-19.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 28 16 13-0139 EA 110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	1,170.55	43.22
For Bolt-On, Add	163.13	
For Installation In New Panelboard, Deduct	-24.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.81	
26 28 16 13-0140 EA 150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	2,587.00	53.78
For Bolt-On, Add	344.38	
For Installation In New Panelboard, Deduct	-30.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.02	
26 28 16 13-0141 EA 15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	594.55	34.58
For Bolt-On, Add	87.76	
For Installation In New Panelboard, Deduct	-19.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 28 16 13-0142 EA 35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	594.55	34.58
For Bolt-On, Add	87.76	
For Installation In New Panelboard, Deduct	-19.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.05	
26 28 16 13-0143 EA 70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	829.14	43.22
For Bolt-On, Add	120.45	
For Installation In New Panelboard, Deduct	-24.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.81	
26 28 16 13-0144 EA 110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	1,269.78	51.86
For Bolt-On, Add	178.89	
For Installation In New Panelboard, Deduct	-28.81	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.58	
26 28 16 13-0145 EA 150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	3,216.90	67.23
For Bolt-On, Add	428.16	
For Installation In New Panelboard, Deduct	-37.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.66	

**26 28 16 16 Enclosed Switches** (26 28 16)

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 28 16 16-0001	<b>Motor And Circuit Disconnects</b> <small>(26 28 16 16)</small> Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.		
26 28 16 16-0002	<b>NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0001)</small>		
26 28 16 16-0003	<b>Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0002)</small> Note: Includes fuses and neutral bar.		
26 28 16 16-0004	<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0003)</small>		
26 28 16 16-0005	EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	384.37	96.04
26 28 16 16-0006	EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	616.03	115.73
26 28 16 16-0007	EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	854.76	135.42
26 28 16 16-0008	EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,478.96	213.21
26 28 16 16-0009	EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	3,186.67	331.34
26 28 16 16-0010	EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	5,342.99	489.81
26 28 16 16-0011	EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	7,320.08	576.25
26 28 16 16-0012	EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	9,862.39	672.29
26 28 16 16-0013	<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0003)</small>		
26 28 16 16-0014	EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	598.35	106.70
26 28 16 16-0015	EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	721.99	128.60
26 28 16 16-0016	EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,166.57	150.30
26 28 16 16-0017	EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,719.69	237.22
26 28 16 16-0018	EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	3,803.09	368.03
26 28 16 16-0019	EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	5,938.79	543.98
26 28 16 16-0020	EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	8,837.92	639.93
26 28 16 16-0021	EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	12,117.58	747.00
26 28 16 16-0022	<b>240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0003)</small>		
26 28 16 16-0023	EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	541.92	150.78
26 28 16 16-0024	EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	806.15	200.25
26 28 16 16-0025	EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,101.36	222.33
26 28 16 16-0026	EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,743.47	348.15
26 28 16 16-0027	EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	3,672.59	571.44
26 28 16 16-0028	EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	6,017.26	800.50
26 28 16 16-0029	<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0003)</small>		
26 28 16 16-0030	EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	718.40	166.63
26 28 16 16-0031	EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	909.55	222.33
26 28 16 16-0032	EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,366.28	250.19
26 28 16 16-0033	EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	2,007.41	381.28
26 28 16 16-0034	EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	4,549.46	615.62
26 28 16 16-0035	EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	7,355.19	889.34
26 28 16 16-0036	EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	11,824.63	1,056.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0037 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	15,165.90	1,200.51
<b>26 28 16 16-0038 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small></b>		
26 28 16 16-0039 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	523.45	150.78
26 28 16 16-0040 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	782.28	200.25
26 28 16 16-0041 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,057.95	222.33
26 28 16 16-0042 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,803.19	348.15
26 28 16 16-0043 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	4,009.10	571.44
26 28 16 16-0044 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	6,523.50	800.50
26 28 16 16-0045 EA 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	10,903.86	1,008.43
26 28 16 16-0046 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	13,474.75	1,152.50
<b>26 28 16 16-0047 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small></b>		
26 28 16 16-0048 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	786.15	166.63
26 28 16 16-0049 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	992.81	222.33
26 28 16 16-0050 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,488.03	250.19
26 28 16 16-0051 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	2,189.67	381.28
26 28 16 16-0052 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	4,938.31	615.62
26 28 16 16-0053 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	8,041.95	889.34
26 28 16 16-0054 EA 800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	12,964.82	1,056.45
26 28 16 16-0055 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	16,397.54	1,200.51
<b>26 28 16 16-0056 Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small></b>		
<b>26 28 16 16-0057 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small></b>		
26 28 16 16-0058 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	372.69	138.97
26 28 16 16-0059 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	584.08	193.33
26 28 16 16-0060 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	815.08	222.33
26 28 16 16-0061 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,275.31	355.73
26 28 16 16-0062 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,601.79	592.86
26 28 16 16-0063 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,291.10	808.48
26 28 16 16-0064 EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,174.14	960.41
26 28 16 16-0065 EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,186.66	1,120.90
<b>26 28 16 16-0066 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small></b>		
26 28 16 16-0067 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	411.67	153.38
26 28 16 16-0068 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	661.96	216.96
26 28 16 16-0069 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	922.24	247.02
26 28 16 16-0070 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,430.79	386.66
26 28 16 16-0071 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,799.57	635.21
26 28 16 16-0072 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,746.47	889.24
26 28 16 16-0073 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,871.12	960.41

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0074	EA		1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,141.15	1,120.90
<b>26 28 16 16-0075</b>			<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0056)</small>		
26 28 16 16-0076	EA		30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	430.71	124.85
26 28 16 16-0077	EA		60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	664.79	173.83
26 28 16 16-0078	EA		100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	907.90	200.25
26 28 16 16-0079	EA		200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,424.58	320.29
26 28 16 16-0080	EA		400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,886.49	533.51
26 28 16 16-0081	EA		600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,695.57	727.51
26 28 16 16-0082	EA		800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,204.23	864.37
26 28 16 16-0083	EA		1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	10,728.56	1,008.43
<b>26 28 16 16-0084</b>			<b>480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0056)</small>		
26 28 16 16-0085	EA		30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	469.40	137.81
26 28 16 16-0086	EA		60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	729.84	195.45
26 28 16 16-0087	EA		100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	988.63	222.33
26 28 16 16-0088	EA		200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,536.27	348.15
26 28 16 16-0089	EA		400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,092.65	571.44
26 28 16 16-0090	EA		600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,072.54	800.50
26 28 16 16-0091	EA		800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,665.52	864.37
<b>26 28 16 16-0092</b>			<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0056)</small>		
26 28 16 16-0093	EA		30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	503.78	138.01
26 28 16 16-0094	EA		60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	788.47	195.25
26 28 16 16-0095	EA		100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,083.98	222.33
26 28 16 16-0096	EA		200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,683.15	347.96
26 28 16 16-0097	EA		400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,298.10	571.63
26 28 16 16-0098	EA		600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,680.58	800.31
26 28 16 16-0099	EA		800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,359.48	864.37
26 28 16 16-0100	EA		1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	12,283.72	1,008.43
<b>26 28 16 16-0101</b>			<b>240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0056)</small>		
26 28 16 16-0102	EA		30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	760.94	125.05
26 28 16 16-0103	EA		60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	912.46	174.03
26 28 16 16-0104	EA		100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,418.73	200.06
26 28 16 16-0105	EA		200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,123.23	320.10
<b>26 28 16 16-0106</b>			<b>480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0056)</small>		
26 28 16 16-0107	EA		30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	823.31	137.81
26 28 16 16-0108	EA		60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	995.23	195.45





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0109 EA 100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,535.96	222.33
26 28 16 16-0110 EA 200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,284.83	348.15
<b>26 28 16 16-0111 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small></b>		
26 28 16 16-0112 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	919.01	138.01
26 28 16 16-0113 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,100.79	195.25
26 28 16 16-0114 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,725.78	222.33
26 28 16 16-0115 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,561.35	347.96
<b>26 28 16 16-0116 General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small></b> Note: Includes fuses and neutral bar.		
<b>26 28 16 16-0117 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small></b>		
26 28 16 16-0118 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	261.70	83.55
26 28 16 16-0119 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	360.65	100.55
26 28 16 16-0120 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	565.82	117.56
26 28 16 16-0121 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,056.91	185.46
26 28 16 16-0122 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	2,559.44	287.64
26 28 16 16-0123 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	4,819.85	425.75
<b>26 28 16 16-0124 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small></b>		
26 28 16 16-0125 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	356.91	131.29
26 28 16 16-0126 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	507.19	174.03
26 28 16 16-0127 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	717.35	193.33
26 28 16 16-0128 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,292.36	302.62
26 28 16 16-0129 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	2,980.85	497.11
26 28 16 16-0130 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	5,365.18	695.91
<b>26 28 16 16-0131 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small></b>		
26 28 16 16-0132 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	401.56	131.29
26 28 16 16-0133 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	579.18	174.03
26 28 16 16-0134 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	782.85	193.33
26 28 16 16-0135 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,457.39	302.62
26 28 16 16-0136 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	3,262.95	497.11
26 28 16 16-0137 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	5,543.99	695.91
<b>26 28 16 16-0138 General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small></b>		
<b>26 28 16 16-0139 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0138)</small></b>		
26 28 16 16-0140 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	356.96	116.21
26 28 16 16-0141 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	481.37	133.59
26 28 16 16-0142 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,113.45	213.50

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0143 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,418.46	355.35
26 28 16 16-0144 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,225.59	484.24
<b>26 28 16 16-0145 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <sup>(26 28 16 16-0138)</sup></b>		
26 28 16 16-0146 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	337.53	108.72
26 28 16 16-0147 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	461.80	151.26
26 28 16 16-0148 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	719.09	174.03
26 28 16 16-0149 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,243.93	278.43
26 28 16 16-0150 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,636.73	464.07
26 28 16 16-0151 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,524.24	632.52
<b>26 28 16 16-0152 NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26 28 16 16-0001)</sup></b>		
<b>26 28 16 16-0153 Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26 28 16 16-0152)</sup></b>		
Note: With fuses, neutral bar, and hub if required.		
<b>26 28 16 16-0154 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26 28 16 16-0153)</sup></b>		
26 28 16 16-0155 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	572.84	112.84
26 28 16 16-0156 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	924.36	135.42
26 28 16 16-0157 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,158.77	157.51
26 28 16 16-0158 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,693.34	240.10
26 28 16 16-0159 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,785.11	384.16
26 28 16 16-0160 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,681.55	512.38
26 28 16 16-0161 EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,074.56	576.25
26 28 16 16-0162 EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,376.92	672.29
<b>26 28 16 16-0163 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26 28 16 16-0153)</sup></b>		
26 28 16 16-0164 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	998.87	150.40
26 28 16 16-0165 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,187.87	184.39
26 28 16 16-0166 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,700.84	211.77
26 28 16 16-0167 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,390.66	317.61
26 28 16 16-0168 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,253.27	519.68
26 28 16 16-0169 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,732.14	714.64
26 28 16 16-0170 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	14,376.20	822.88
26 28 16 16-0171 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	15,830.91	926.31
<b>26 28 16 16-0172 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26 28 16 16-0153)</sup></b>		
26 28 16 16-0173 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	720.70	177.68
26 28 16 16-0174 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,157.90	235.30
26 28 16 16-0175 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,403.13	258.35
26 28 16 16-0176 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,075.37	400.01
26 28 16 16-0177 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,547.03	667.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0178 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,651.16	889.34
<b>26 28 16 16-0179 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26)</sup></b>		
<small>28 16 16-0153</small>		
26 28 16 16-0180 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,121.39	210.62
26 28 16 16-0181 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,335.92	258.16
26 28 16 16-0182 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,803.18	296.39
26 28 16 16-0183 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,615.25	444.67
26 28 16 16-0184 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,569.28	727.61
26 28 16 16-0185 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,153.06	1,000.46
26 28 16 16-0186 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	14,450.93	1,152.50
26 28 16 16-0187 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	17,322.94	1,296.56
<b>26 28 16 16-0188 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26)</sup></b>		
<small>28 16 16-0153</small>		
26 28 16 16-0189 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	796.41	177.68
26 28 16 16-0190 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,160.09	235.30
26 28 16 16-0191 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,509.59	258.35
26 28 16 16-0192 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,146.37	400.01
26 28 16 16-0193 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,612.17	667.00
26 28 16 16-0194 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,367.61	889.34
26 28 16 16-0195 EA 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	14,107.82	1,008.43
26 28 16 16-0196 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	17,616.73	1,152.50
<b>26 28 16 16-0197 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26)</sup></b>		
<small>28 16 16-0153</small>		
26 28 16 16-0198 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,164.83	210.81
26 28 16 16-0199 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,384.76	258.35
26 28 16 16-0200 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,911.73	296.29
26 28 16 16-0201 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,685.81	444.67
26 28 16 16-0202 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,824.38	727.51
26 28 16 16-0203 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,446.15	1,000.27
26 28 16 16-0204 EA 800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	15,373.83	1,152.50
26 28 16 16-0205 EA 1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	18,539.44	1,296.56
<b>26 28 16 16-0206 Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26 28 16 16-0152)</sup></b>		
<b>26 28 16 16-0207 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26 28 16 16-0206)</sup></b>		
<small>26 28 16 16-0206</small>		
26 28 16 16-0208 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	546.34	98.83
26 28 16 16-0209 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	899.52	136.86
26 28 16 16-0210 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,189.67	156.93
26 28 16 16-0211 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,569.13	254.13
26 28 16 16-0212 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,536.59	423.92

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0213	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	6,512.51	565.20
26 28 16 16-0214	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	10,549.64	672.58
26 28 16 16-0215	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	13,963.21	768.61
<b>26 28 16 16-0216</b>		<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small></b>		
26 28 16 16-0217	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	615.84	108.91
26 28 16 16-0218	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,020.18	152.42
26 28 16 16-0219	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,344.89	172.11
26 28 16 16-0220	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,746.12	266.80
26 28 16 16-0221	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	4,024.79	444.67
26 28 16 16-0222	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	7,036.63	592.86
26 28 16 16-0223	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	11,254.77	704.56
26 28 16 16-0224	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	14,891.86	800.31
<b>26 28 16 16-0225</b>		<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small></b>		
26 28 16 16-0226	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	645.16	148.19
26 28 16 16-0227	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,036.33	205.24
26 28 16 16-0228	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,346.60	235.40
26 28 16 16-0229	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,823.20	381.18
26 28 16 16-0230	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	4,015.03	635.79
26 28 16 16-0231	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	7,184.51	847.56
26 28 16 16-0232	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	11,341.47	1,008.43
26 28 16 16-0233	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	15,071.02	1,152.50
<b>26 28 16 16-0234</b>		<b>480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small></b>		
26 28 16 16-0235	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	700.31	163.27
26 28 16 16-0236	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,127.95	228.68
26 28 16 16-0237	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,454.72	258.16
26 28 16 16-0238	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,937.09	400.21
26 28 16 16-0239	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	4,273.15	666.91
26 28 16 16-0240	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	7,659.46	889.24
26 28 16 16-0241	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	12,103.37	1,056.45
26 28 16 16-0242	EA	1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	16,077.34	1,200.51
<b>26 28 16 16-0243</b>		<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small></b>		
26 28 16 16-0244	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	354.92	163.27
26 28 16 16-0245	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,172.63	228.68
26 28 16 16-0246	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,517.01	258.16
26 28 16 16-0247	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,012.90	400.21
26 28 16 16-0248	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	4,469.42	666.91
26 28 16 16-0249	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	7,629.47	889.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0250 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	12,086.57	1,056.45
26 28 16 16-0251 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	16,054.48	1,200.51
<b>26 28 16 16-0252</b> <b>General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0152)</small> Note: With fuses, neutral bar, and hub if required.		
<b>26 28 16 16-0253</b> <b>240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0252)</small>		
26 28 16 16-0254 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	341.56	98.15
26 28 16 16-0255 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	488.27	117.75
26 28 16 16-0256 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	647.54	136.95
26 28 16 16-0257 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,349.92	208.79
26 28 16 16-0258 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,355.68	334.03
26 28 16 16-0259 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,992.67	445.63
<b>26 28 16 16-0260</b> <b>240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0252)</small>		
26 28 16 16-0261 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	455.16	154.72
26 28 16 16-0262 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	662.55	204.66
26 28 16 16-0263 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	822.35	224.55
26 28 16 16-0264 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,629.25	347.96
26 28 16 16-0265 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,849.60	579.90
26 28 16 16-0266 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,656.52	773.52
<b>26 28 16 16-0267</b> <b>240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0252)</small>		
26 28 16 16-0268 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	517.75	154.62
26 28 16 16-0269 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	725.27	204.66
26 28 16 16-0270 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,024.37	224.55
26 28 16 16-0271 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,759.75	347.96
26 28 16 16-0272 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,933.42	579.99
26 28 16 16-0273 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,311.14	773.52
26 28 16 16-0274 EA 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,517.66	876.27
<b>26 28 16 16-0275</b> <b>General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0152)</small>		
<b>26 28 16 16-0276</b> <b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0275)</small>		
26 28 16 16-0277 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	309.02	85.96
26 28 16 16-0278 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	512.30	118.99
26 28 16 16-0279 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	535.04	136.47
26 28 16 16-0280 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,374.76	220.90
26 28 16 16-0281 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,425.64	368.61
26 28 16 16-0282 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,087.24	491.44

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 28 16 16-0283		<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0275)</small>		
26 28 16 16-0284	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	485.42	128.89
26 28 16 16-0285	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	700.94	178.45
26 28 16 16-0286	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,043.53	204.66
26 28 16 16-0287	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,799.89	331.43
26 28 16 16-0288		<b>NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0001)</small>		
26 28 16 16-0289		<b>Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0288)</small> Note: With fuses and neutral bar (stainless steel).		
26 28 16 16-0290		<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>		
26 28 16 16-0291	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,583.37	96.04
26 28 16 16-0292	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,901.92	115.73
26 28 16 16-0293	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,911.02	135.23
26 28 16 16-0294	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,401.34	213.41
26 28 16 16-0295	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	11,012.26	331.15
26 28 16 16-0296	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	15,825.14	489.62
26 28 16 16-0297		<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>		
26 28 16 16-0298	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,013.98	106.70
26 28 16 16-0299	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,236.61	128.50
26 28 16 16-0300	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,227.37	150.21
26 28 16 16-0301	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,966.86	237.22
26 28 16 16-0302	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	11,428.87	368.22
26 28 16 16-0303	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	16,382.48	543.98
26 28 16 16-0304		<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>		
26 28 16 16-0305	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,766.08	150.98
26 28 16 16-0306	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,210.27	200.06
26 28 16 16-0307	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,265.29	222.33
26 28 16 16-0308	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	6,053.47	347.96
26 28 16 16-0309	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	11,835.70	571.63
26 28 16 16-0310	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	16,895.26	800.31
26 28 16 16-0311		<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>		
26 28 16 16-0312	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,139.65	166.73
26 28 16 16-0313	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,430.34	222.33
26 28 16 16-0314	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,439.32	250.09
26 28 16 16-0315	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	6,271.70	381.09
26 28 16 16-0316	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	12,215.52	615.62
26 28 16 16-0317	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	17,378.13	889.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 28 16 16-0318</b> 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>		
26 28 16 16-0319 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,120.10	150.98
26 28 16 16-0320 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,652.83	200.06
26 28 16 16-0321 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,150.86	222.33
26 28 16 16-0322 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,264.43	347.96
26 28 16 16-0323 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	14,219.04	571.63
26 28 16 16-0324 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	20,170.55	800.31
<b>26 28 16 16-0325</b> 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>		
26 28 16 16-0326 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,557.96	166.73
26 28 16 16-0327 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,904.70	222.33
26 28 16 16-0328 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,343.26	250.09
26 28 16 16-0329 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,492.79	381.09
26 28 16 16-0330 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	14,631.02	615.62
26 28 16 16-0331 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	20,698.06	889.24
<b>26 28 16 16-0332</b> Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small>		
<b>26 28 16 16-0333</b> 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small>		
26 28 16 16-0334 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,518.05	96.04
26 28 16 16-0335 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,842.75	133.59
26 28 16 16-0336 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,497.99	153.67
26 28 16 16-0337 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,843.69	245.48
26 28 16 16-0338 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	8,829.62	408.75
26 28 16 16-0339 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	12,654.68	556.84
<b>26 28 16 16-0340</b> 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small>		
26 28 16 16-0341 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,727.33	105.94
26 28 16 16-0342 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,100.12	149.83
26 28 16 16-0343 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,987.94	170.76
26 28 16 16-0344 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,508.17	266.80
26 28 16 16-0345 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	10,034.91	439.09
26 28 16 16-0346 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	14,419.15	614.66
<b>26 28 16 16-0347</b> 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small>		
26 28 16 16-0348 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,576.07	125.05
26 28 16 16-0349 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,898.40	174.03
26 28 16 16-0350 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,975.66	200.06
26 28 16 16-0351 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,830.92	320.10
26 28 16 16-0352 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,419.80	533.60

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0353	EA		600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	13,376.24	727.61
<b>26 28 16 16-0354</b>			<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small></b>		
26 28 16 16-0355	EA		30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,791.36	138.01
26 28 16 16-0356	EA		60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,190.96	195.25
26 28 16 16-0357	EA		100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,091.08	222.33
26 28 16 16-0358	EA		200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,670.44	347.96
26 28 16 16-0359	EA		400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	11,358.42	571.63
26 28 16 16-0360	EA		600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	15,224.77	800.31
<b>26 28 16 16-0361</b>			<b>240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small></b>		
26 28 16 16-0362	EA		30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,181.29	125.05
26 28 16 16-0363	EA		60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,608.29	174.03
26 28 16 16-0364	EA		100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,926.92	200.06
26 28 16 16-0365	EA		200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	9,037.00	320.10
<b>26 28 16 16-0366</b>			<b>600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small></b>		
26 28 16 16-0367	EA		30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,483.05	138.01
26 28 16 16-0368	EA		60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,973.63	195.25
26 28 16 16-0369	EA		100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	6,760.92	222.33
26 28 16 16-0370	EA		200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	10,292.21	347.96
26 28 16 16-0371			Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small>		
<b>26 28 16 16-0372</b>			<b>600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0371)</small></b>		
26 28 16 16-0373	EA		30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,885.76	166.63
26 28 16 16-0374	EA		60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,279.70	222.33
26 28 16 16-0375	EA		100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,940.07	250.19
26 28 16 16-0376	EA		200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,715.07	381.28
<b>26 28 16 16-0377</b>			<b>600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0371)</small></b>		
26 28 16 16-0378	EA		30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,707.74	137.81
26 28 16 16-0379	EA		60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,093.03	195.45
26 28 16 16-0380	EA		100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,619.58	222.33
26 28 16 16-0381	EA		200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,624.92	348.15
26 28 16 16-0382			Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small>		
<b>26 28 16 16-0383</b>			<b>600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0382)</small></b>		
26 28 16 16-0384	EA		30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,306.96	166.63





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0385 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,751.02	222.33
26 28 16 16-0386 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	6,831.40	250.19
<b>26 28 16 16-0387 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0382)</small>		
26 28 16 16-0388 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,106.28	137.81
26 28 16 16-0389 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,539.29	195.45
26 28 16 16-0390 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	6,475.12	222.33
<b>26 28 16 16-0391 NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0001)</small>		
<small>Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.</small>		
<b>26 28 16 16-0392 Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0391)</small>		
<small>Note: With fuses and neutral bar.</small>		
26 28 16 16-0393 EA 30 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	2,597.34	192.09
26 28 16 16-0394 EA 60 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	2,929.37	228.68
26 28 16 16-0395 EA 100 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	3,247.23	258.16
26 28 16 16-0396 EA 200 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	6,935.12	400.21
<b>26 28 16 16-0397 Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0391)</small>		
26 28 16 16-0398 EA 60 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	1,993.49	228.68
26 28 16 16-0399 EA 100 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	2,335.79	258.16
26 28 16 16-0400 EA 200 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	4,316.53	400.21
<b>26 28 16 16-0401 NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0001)</small>		
<b>26 28 16 16-0402 Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0401)</small>		
<small>Note: With fuses and neutral bar.</small>		
<b>26 28 16 16-0403 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0402)</small>		
26 28 16 16-0404 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	559.53	96.04
26 28 16 16-0405 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	733.61	115.73
26 28 16 16-0406 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,007.86	135.42
26 28 16 16-0407 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,704.35	213.21
26 28 16 16-0408 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,674.65	331.34
26 28 16 16-0409 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,667.31	489.81
<b>26 28 16 16-0410 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0402)</small>		
26 28 16 16-0411 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	891.88	106.61
26 28 16 16-0412 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	914.00	128.70
26 28 16 16-0413 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,327.10	150.30
26 28 16 16-0414 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,075.64	237.22
26 28 16 16-0415 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,573.81	367.84
26 28 16 16-0416 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	9,103.79	544.07
<b>26 28 16 16-0417 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0402)</small>		
26 28 16 16-0418 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	772.33	150.78
26 28 16 16-0419 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,072.61	200.25
26 28 16 16-0420 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,479.60	222.33

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0421	EA		200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,193.90	348.15
26 28 16 16-0422	EA		400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	4,340.17	571.44
26 28 16 16-0423	EA		600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	7,003.34	800.50
<b>26 28 16 16-0424</b>			<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>		
26 28 16 16-0425	EA		30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,039.08	166.63
26 28 16 16-0426	EA		60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,166.50	222.33
26 28 16 16-0427	EA		100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,743.13	250.19
26 28 16 16-0428	EA		200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,531.62	381.28
26 28 16 16-0429	EA		400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	5,361.67	615.62
26 28 16 16-0430	EA		600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	10,169.57	889.34
<b>26 28 16 16-0431</b>			<b>240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>		
26 28 16 16-0432	EA		30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	828.50	150.78
26 28 16 16-0433	EA		60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,111.19	200.25
26 28 16 16-0434	EA		100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,600.71	222.33
26 28 16 16-0435	EA		200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,345.94	348.15
26 28 16 16-0436	EA		400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	4,747.26	571.44
26 28 16 16-0437	EA		600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	7,278.36	800.50
<b>26 28 16 16-0438</b>			<b>600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>		
26 28 16 16-0439	EA		30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,104.19	166.63
26 28 16 16-0440	EA		60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,340.19	222.33
26 28 16 16-0441	EA		100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,862.55	250.19
26 28 16 16-0442	EA		200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,759.57	381.28
26 28 16 16-0443	EA		400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	5,730.74	615.62
26 28 16 16-0444	EA		600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	10,473.50	889.34
<b>26 28 16 16-0445</b>			<b>Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0401)</small></b>		
<b>26 28 16 16-0446</b>			<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small></b>		
26 28 16 16-0447	EA		30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	586.87	138.78
26 28 16 16-0448	EA		60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	776.29	193.52
26 28 16 16-0449	EA		100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,036.72	222.33
26 28 16 16-0450	EA		200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,470.30	355.83
26 28 16 16-0451	EA		400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	3,274.91	593.05
26 28 16 16-0452	EA		600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	5,214.42	808.67
<b>26 28 16 16-0453</b>			<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small></b>		
26 28 16 16-0454	EA		30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	654.47	153.19
26 28 16 16-0455	EA		60 Amperes, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase .....	862.38	217.06
26 28 16 16-0456	EA		100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,155.64	246.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0457 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,597.48	386.57
26 28 16 16-0458 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,465.65	635.31
26 28 16 16-0459 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,761.42	889.34
<b>26 28 16 16-0460 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small></b>		
26 28 16 16-0461 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	755.36	124.85
26 28 16 16-0462 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	990.57	173.83
26 28 16 16-0463 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,329.74	200.25
26 28 16 16-0464 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,886.24	320.29
26 28 16 16-0465 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,021.37	533.51
26 28 16 16-0466 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,385.05	727.51
<b>26 28 16 16-0467 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small></b>		
26 28 16 16-0468 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	734.08	137.81
26 28 16 16-0469 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,068.86	195.45
26 28 16 16-0470 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,421.59	222.33
26 28 16 16-0471 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,852.03	348.15
26 28 16 16-0472 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,025.39	571.44
26 28 16 16-0473 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	7,625.31	800.50
<b>26 28 16 16-0474 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small></b>		
26 28 16 16-0475 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	916.03	124.85
26 28 16 16-0476 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,081.95	173.83
26 28 16 16-0477 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,704.07	200.25
26 28 16 16-0478 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,701.24	320.29
26 28 16 16-0479 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,944.40	408.18
<b>26 28 16 16-0480 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small></b>		
26 28 16 16-0481 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	949.01	137.81
26 28 16 16-0482 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,177.41	195.45
26 28 16 16-0483 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,817.81	222.33
26 28 16 16-0484 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,769.28	348.15
26 28 16 16-0485 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,224.91	537.83
<b>26 28 16 16-0486 Double Throw Safety Switches <small>(26 28 16 16-0001)</small></b>		
<b>26 28 16 16-0487 NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0486)</small></b>		
<b>26 28 16 16-0488 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small></b>		
26 28 16 16-0489 EA 30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	701.45	123.41
26 28 16 16-0490 EA 60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,042.73	161.35
26 28 16 16-0491 EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,467.38	210.81
26 28 16 16-0492 EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,958.90	274.19
26 28 16 16-0493 EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,824.64	342.87
26 28 16 16-0494 EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,800.39	549.83
26 28 16 16-0495 EA 800 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	10,053.00	768.32

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0496 EA 1,000 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	14,897.84	864.37
26 28 16 16-0497 EA 1,200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	17,571.87	960.41
<b>26 28 16 16-0498 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small></b>		
26 28 16 16-0499 EA 30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	879.87	172.87
26 28 16 16-0500 EA 60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,233.01	225.70
26 28 16 16-0501 EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,869.88	295.32
26 28 16 16-0502 EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,761.09	384.16
26 28 16 16-0503 EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,645.97	480.20
26 28 16 16-0504 EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	9,243.16	768.32
26 28 16 16-0505 EA 800 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	10,831.56	864.37
26 28 16 16-0506 EA 1,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	15,577.17	960.41
26 28 16 16-0507 EA 1,200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	18,493.67	1,056.45
<b>26 28 16 16-0508 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small></b>		
26 28 16 16-0509 EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,173.31	216.09
26 28 16 16-0510 EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,716.96	282.36
26 28 16 16-0511 EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,087.83	368.80
26 28 16 16-0512 EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,237.68	479.25
26 28 16 16-0513 EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,653.49	600.25
26 28 16 16-0514 EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	10,885.83	961.85
26 28 16 16-0515 EA 800 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	13,827.15	1,056.45
26 28 16 16-0516 EA 1,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	18,486.73	1,104.47
26 28 16 16-0517 EA 1,200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	20,762.77	1,152.50
<b>26 28 16 16-0518 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small></b>		
26 28 16 16-0519 EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,212.00	161.35
26 28 16 16-0520 EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,832.40	210.81
26 28 16 16-0521 EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,712.31	274.19
26 28 16 16-0522 EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,490.33	342.87
26 28 16 16-0523 EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	9,580.04	549.83
26 28 16 16-0524 EA 800 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	10,904.67	768.32
26 28 16 16-0525 EA 1,000 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	16,214.75	864.37
26 28 16 16-0526 EA 1,200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	19,136.98	960.41
<b>26 28 16 16-0527 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small></b>		
26 28 16 16-0528 EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,340.54	225.70
26 28 16 16-0529 EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,000.91	295.32
26 28 16 16-0530 EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,931.33	384.16
26 28 16 16-0531 EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,764.80	480.20
26 28 16 16-0532 EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	10,018.48	768.32
26 28 16 16-0533 EA 800 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	11,741.83	864.37
26 28 16 16-0534 EA 1,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	16,227.46	960.41
26 28 16 16-0535 EA 1,200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	20,131.75	1,056.45
<b>26 28 16 16-0536 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small></b>		
26 28 16 16-0537 EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,822.82	282.36
26 28 16 16-0538 EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,241.26	368.80
26 28 16 16-0539 EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,554.00	479.25
26 28 16 16-0540 EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	9,328.34	600.25
26 28 16 16-0541 EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	11,642.14	961.85
26 28 16 16-0542 EA 800 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	14,998.57	1,056.45
26 28 16 16-0543 EA 1,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	20,114.51	1,104.47
26 28 16 16-0544 EA 1,200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	22,608.54	1,152.50
<b>26 28 16 16-0545 NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0486)</small></b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 28 16 16-0546</b> <b>240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0545)</small>		
26 28 16 16-0547 EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,851.14	210.81
26 28 16 16-0548 EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,314.41	274.19
26 28 16 16-0549 EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	14,313.50	342.87
26 28 16 16-0550 EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	24,665.87	549.83
<b>26 28 16 16-0551</b> <b>240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0545)</small>		
26 28 16 16-0552 EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,420.19	294.84
26 28 16 16-0553 EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,937.89	383.68
26 28 16 16-0554 EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	14,716.37	480.20
26 28 16 16-0555 EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	15,911.61	769.77
<b>26 28 16 16-0556</b> <b>240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0545)</small>		
26 28 16 16-0557 EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,355.01	216.18
26 28 16 16-0558 EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,915.65	282.17
26 28 16 16-0559 EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,097.65	368.70
26 28 16 16-0560 EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,942.91	479.44
26 28 16 16-0561 EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	10,161.71	600.25
26 28 16 16-0562 EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	11,768.51	961.94
<b>26 28 16 16-0563</b> <b>600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0545)</small>		
26 28 16 16-0564 EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,575.75	161.35
26 28 16 16-0565 EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,409.82	210.81
26 28 16 16-0566 EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,422.82	274.19
26 28 16 16-0567 EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,570.87	342.87
26 28 16 16-0568 EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	11,423.48	549.83
<b>26 28 16 16-0569</b> <b>600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0545)</small>		
26 28 16 16-0570 EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,770.89	225.70
26 28 16 16-0571 EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,683.21	294.84
26 28 16 16-0572 EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,845.72	383.68
26 28 16 16-0573 EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,260.37	480.20
26 28 16 16-0574 EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	12,404.60	769.77
<b>26 28 16 16-0575</b> <b>600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0545)</small>		
26 28 16 16-0576 EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,940.19	282.17
26 28 16 16-0577 EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,108.90	368.70
26 28 16 16-0578 EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,099.19	479.44
26 28 16 16-0579 EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	10,143.26	600.25
26 28 16 16-0580 EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	11,870.22	961.94
<b>26 28 16 16-0581</b> <b>NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0486)</small>		
<b>26 28 16 16-0582</b> <b>240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0581)</small>		
26 28 16 16-0583 EA 30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,900.98	123.50
26 28 16 16-0584 EA 60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,146.32	161.25
26 28 16 16-0585 EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,419.32	210.72
26 28 16 16-0586 EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,330.97	274.00
26 28 16 16-0587 EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,279.43	342.97
26 28 16 16-0588 EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	9,193.16	549.64
<b>26 28 16 16-0589</b> <b>240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0581)</small>		
26 28 16 16-0590 EA 30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,174.29	172.87
26 28 16 16-0591 EA 60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,564.88	225.70
26 28 16 16-0592 EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,034.85	294.84
26 28 16 16-0593 EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,240.37	383.68
26 28 16 16-0594 EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	7,800.79	480.20
26 28 16 16-0595 EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	10,263.57	769.77
<b>26 28 16 16-0596</b> <b>240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0581)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0597 EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,262.49	216.18
26 28 16 16-0598 EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,807.53	282.17
26 28 16 16-0599 EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	5,226.21	368.70
26 28 16 16-0600 EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	7,106.12	479.44
26 28 16 16-0601 EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	13,249.74	600.25
26 28 16 16-0602 EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	16,392.00	961.94
<b>26 28 16 16-0603 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0581)</small>		
26 28 16 16-0604 EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,848.51	161.25
26 28 16 16-0605 EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,981.81	210.72
26 28 16 16-0606 EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	5,694.52	274.00
26 28 16 16-0607 EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,234.88	342.97
26 28 16 16-0608 EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	11,027.61	549.64
<b>26 28 16 16-0609 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0581)</small>		
26 28 16 16-0610 EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,110.42	225.70
26 28 16 16-0611 EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,285.20	294.84
26 28 16 16-0612 EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,184.15	383.68
26 28 16 16-0613 EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,906.38	480.20
26 28 16 16-0614 EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	11,987.48	769.77
<b>26 28 16 16-0615 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0581)</small>		
26 28 16 16-0616 EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,847.53	282.17
26 28 16 16-0617 EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	5,521.30	368.70
26 28 16 16-0618 EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	7,280.05	479.44
26 28 16 16-0619 EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	13,624.12	600.25
26 28 16 16-0620 EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	16,888.24	961.94
<b>26 28 16 16-0621 Removal And Reinstallation Of Disconnect Switches</b> <small>(26 28 16 16-0001)</small> Note: Includes storage and cleaning.		
26 28 16 16-0622 EA Removal And Reinstallation Of Up To 100 Amperes Safety Disconnect Switch.....	480.20	
26 28 16 16-0623 EA Removal And Reinstallation Of >100 To 200 Amperes Safety Disconnect Switch .....	624.29	
26 28 16 16-0624 EA Removal And Reinstallation Of >200 To 300 Amperes Safety Disconnect Switch .....	696.35	
26 28 16 16-0625 EA Removal And Reinstallation Of >300 To 400 Amperes Safety Disconnect Switch .....	816.40	
<b>26 28 16 16-0626 Bolted Contact Switches</b> <small>(26 28 16 16)</small> Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
<b>26 28 16 16-0627 Electrical Trip, Bolted Contact Switches</b> <small>(26 28 16 16-0626)</small>		
<b>26 28 16 16-0628 Top Feed, Electrical Trip, Bolted Contact Switches</b> <small>(26 28 16 16-0627)</small>		
26 28 16 16-0629 EA 800 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480).....	9,294.14	960.41
26 28 16 16-0630 EA 1,200 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480).....	9,994.64	1,152.50
26 28 16 16-0631 EA 1,600 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480).....	10,822.91	1,344.57
26 28 16 16-0632 EA 2,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480).....	11,359.17	1,536.66
26 28 16 16-0633 EA 2,500 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480).....	12,832.30	1,728.73
26 28 16 16-0634 EA 3,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480).....	16,240.01	1,920.82
26 28 16 16-0635 EA 4,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480).....	22,057.71	2,304.98
<b>26 28 16 16-0636 Bottom Feed, Electrical Trip, Bolted Contact Switches</b> <small>(26 28 16 16-0627)</small>		
26 28 16 16-0637 EA 800 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480).....	9,884.25	960.41
26 28 16 16-0638 EA 1,200 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480).....	10,700.34	1,152.50
26 28 16 16-0639 EA 1,600 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480).....	11,522.52	1,344.57
26 28 16 16-0640 EA 2,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480).....	12,362.96	1,536.66
26 28 16 16-0641 EA 2,500 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480).....	13,915.18	1,728.73
26 28 16 16-0642 EA 3,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480).....	18,271.93	1,920.82
26 28 16 16-0643 EA 4,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480).....	24,174.80	2,304.98
<b>26 28 16 16-0644 Manually Operated, Bolted Contact Switches</b> <small>(26 28 16 16-0626)</small>		
<b>26 28 16 16-0645 Top Feed, Manually Operated, Bolted Contact Switches</b> <small>(26 28 16 16-0644)</small>		
26 28 16 16-0646 EA 800 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480) .....	6,641.69	960.41
26 28 16 16-0647 EA 1,200 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480) .....	7,373.83	1,152.50
26 28 16 16-0648 EA 1,600 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480) .....	8,155.86	1,344.57
26 28 16 16-0649 EA 2,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480) .....	8,930.60	1,536.66
26 28 16 16-0650 EA 2,500 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480) .....	9,766.17	1,728.73
26 28 16 16-0651 EA 3,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480) .....	13,173.87	1,920.82
26 28 16 16-0652 EA 4,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480) .....	18,918.58	2,304.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 28 16 16-0653</b> Bottom Feed, Manually Operated, Bolted Contact Switches <small>(26 28 16 16-0644)</small>		
26 28 16 16-0654 EA 800 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480).....	7,032.26	960.41
26 28 16 16-0655 EA 1,200 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480).....	7,963.94	1,152.50
26 28 16 16-0656 EA 1,600 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480).....	8,727.72	1,344.57
26 28 16 16-0657 EA 2,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480).....	9,686.18	1,536.66
26 28 16 16-0658 EA 2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480).....	10,715.21	1,728.73
26 28 16 16-0659 EA 3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480).....	15,053.71	1,920.82
26 28 16 16-0660 EA 4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480).....	20,889.66	2,304.98
<b>26 29</b> Low-Voltage Controllers <small>(26 20)</small>		
<b>26 29 13</b> Enclosed Controllers <small>(26 29)</small>		
<b>26 29 13 13</b> Across-The-Line Motor Controllers <small>(26 29 13)</small>		
<b>26 29 13 13-0001</b> Manual Motor Starters <small>(26 29 13 13)</small>		
<b>26 29 13 13-0002</b> Fractional HP Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0003 EA NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1).....	207.65	48.12
For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.09	
For Oversized Enclosure, Add	31.09	
For Pilot Light, Add	45.60	
26 29 13 13-0004 EA NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2).....	272.29	62.55
For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.09	
For Oversized Enclosure, Add	31.09	
For Pilot Light, Add	45.60	
26 29 13 13-0005 EA NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3).....	238.74	48.12
For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.09	
For Oversized Enclosure, Add	31.09	
For Pilot Light, Add	45.60	
26 29 13 13-0006 EA NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4).....	303.37	62.55
For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.09	
For Oversized Enclosure, Add	31.09	
For Pilot Light, Add	45.60	
26 29 13 13-0007 EA NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5).....	221.13	48.12
For Oversized Enclosure, Add	31.09	
26 29 13 13-0008 EA NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6).....	289.90	62.55
For Oversized Enclosure, Add	31.09	
26 29 13 13-0009 EA NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	469.40	57.74
For Pilot Light, Add	119.18	
26 29 13 13-0010 EA NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	537.14	72.18
For Pilot Light, Add	119.18	
26 29 13 13-0011 EA NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	500.49	57.74
26 29 13 13-0012 EA NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	565.12	72.18
<b>26 29 13 13-0013</b> Non Reversing Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0014 EA NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1).....	162.24	48.12
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	15.00	
For Pilot Light, Add	72.00	
26 29 13 13-0015 EA NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2).....	274.10	62.55
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	15.00	
For Pilot Light, Add	72.00	
26 29 13 13-0016 EA NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5).....	183.86	52.94
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	15.00	
For Pilot Light, Add	72.00	
26 29 13 13-0017 EA NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6).....	296.72	67.37
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	15.00	
For Pilot Light, Add	72.00	
26 29 13 13-0018 EA NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3).....	191.24	48.12
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	15.00	
For Pilot Light, Add	72.00	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0019	EA		NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4).....	304.10	62.55
			Note: NEMA 1 or flush cover plate installation.		
			<i>For Oversize Enclosure, Add</i>	15.00	
			<i>For Pilot Light, Add</i>	72.00	
26 29 13 13-0020	EA		NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1).....	429.48	57.74
			<i>For Pilot Light, Add</i>	113.99	
26 29 13 13-0021	EA		NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2).....	530.34	72.18
			<i>For Pilot Light, Add</i>	113.99	
26 29 13 13-0022	EA		NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5).....	452.10	62.55
			<i>For Pilot Light, Add</i>	113.99	
26 29 13 13-0023	EA		NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6).....	549.97	76.99
			<i>For Pilot Light, Add</i>	113.99	
26 29 13 13-0024	EA		NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	457.47	57.74
26 29 13 13-0025	EA		NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	566.34	72.18
26 29 13 13-0026	EA		Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1).....	119.37	33.68
			<i>For Pilot Light, Add</i>	72.00	
26 29 13 13-0027	EA		Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2).....	231.23	48.12
			<i>For Pilot Light, Add</i>	72.00	
26 29 13 13-0028	EA		Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5).....	140.99	38.50
			<i>For Pilot Light, Add</i>	72.00	
26 29 13 13-0029	EA		Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6).....	252.85	52.94
			<i>For Pilot Light, Add</i>	72.00	
<b>26 29 13 13-0030</b>			<b>Reversing Manual Motor Starters</b> <small>(26 29 13 13-0001)</small>		
26 29 13 13-0031	EA		NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11).....	460.22	86.62
			<i>For Pilot Light, Add</i>	115.99	
26 29 13 13-0032	EA		NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22).....	671.96	115.49
			<i>For Pilot Light, Add</i>	115.99	
<b>26 29 13 13-0033</b>			<b>Two Speed Manual Motor Starters</b> <small>(26 29 13 13-0001)</small>		
26 29 13 13-0034	EA		NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11).....	460.22	86.62
26 29 13 13-0035	EA		NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22).....	671.96	115.49
<b>26 29 13 13-0036</b>			<b>Non-Reversing Integral HP Manual Motor Starters</b> <small>(26 29 13 13-0001)</small>		
26 29 13 13-0037	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1).....	433.66	57.74
26 29 13 13-0038	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1).....	433.66	57.74
26 29 13 13-0039	EA		NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11).....	925.46	67.37
26 29 13 13-0040	EA		NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	925.46	67.37
26 29 13 13-0041	EA		NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1).....	1,219.77	67.37
26 29 13 13-0042	EA		Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1).....	555.49	67.37
26 29 13 13-0043	EA		Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1).....	373.70	43.31
26 29 13 13-0044	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1).....	517.89	62.55
26 29 13 13-0045	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1).....	517.89	62.55
26 29 13 13-0046	EA		NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11).....	1,112.30	72.18
26 29 13 13-0047	EA		NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1).....	1,112.30	72.18
26 29 13 13-0048	EA		NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	1,429.41	72.18
26 29 13 13-0049	EA		Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1).....	639.74	72.18
26 29 13 13-0050	EA		Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1).....	457.93	48.12
26 29 13 13-0051	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	688.14	67.37
26 29 13 13-0052	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	688.14	67.37





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0053 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12) .....	1,327.12	76.99
26 29 13 13-0054 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2) .....	1,327.12	76.99
26 29 13 13-0055 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2) .....	1,630.76	76.99
26 29 13 13-0056 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2) .....	813.11	76.99
26 29 13 13-0057 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2) .....	631.29	52.94
26 29 13 13-0058 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2) .....	536.63	72.18
26 29 13 13-0059 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2) .....	536.63	72.18
26 29 13 13-0060 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12) .....	1,028.43	81.81
26 29 13 13-0061 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2) .....	1,028.43	81.81
26 29 13 13-0062 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2) .....	1,331.04	81.81
26 29 13 13-0063 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2) .....	659.50	81.81
26 29 13 13-0064 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2) .....	479.78	57.74
26 29 13 13-0065 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3) .....	620.88	76.99
26 29 13 13-0066 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3) .....	620.88	76.99
26 29 13 13-0067 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13) .....	1,215.27	86.62
26 29 13 13-0068 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3) .....	1,215.27	86.62
26 29 13 13-0069 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3) .....	1,539.64	86.62
26 29 13 13-0070 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3) .....	742.71	86.62
26 29 13 13-0071 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3) .....	560.91	62.55
<b>26 29 13 13-0072 Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)</b>		
26 29 13 13-0073 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1) .....	1,288.71	101.05
26 29 13 13-0074 EA NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1) .....	1,288.71	101.05
26 29 13 13-0075 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1) .....	1,142.88	72.18
26 29 13 13-0076 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1) .....	1,528.69	110.68
26 29 13 13-0077 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1) .....	1,382.85	81.81
<b>26 29 13 13-0078 Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)</b>		
26 29 13 13-0079 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1) .....	1,288.71	101.05
26 29 13 13-0080 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1) .....	1,142.88	72.18
26 29 13 13-0081 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1) .....	1,528.69	110.68
26 29 13 13-0082 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1) .....	1,382.85	81.81
<b>26 29 13 13-0083 Magnetic Motor Starters (26 29 13 13)</b>		
<b>26 29 13 13-0084 Non Reversing, Magnetic Contactors (26 29 13 13-0083)</b>		
<b>26 29 13 13-0085 Open Enclosure, Non Reversing, Magnetic Contactors (26 29 13 13-0084)</b>		
26 29 13 13-0086 EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11) .....	489.90	96.24
<i>For Factory Installed Accessory, Deduct</i>	-192.48	
26 29 13 13-0087 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12) .....	552.68	105.86
<i>For Factory Installed Accessory, Deduct</i>	-211.73	
26 29 13 13-0088 EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5) .....	533.43	96.24
<i>For Factory Installed Accessory, Deduct</i>	-192.48	
26 29 13 13-0089 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1) .....	597.24	105.86
<i>For Factory Installed Accessory, Deduct</i>	-211.73	
26 29 13 13-0090 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2) .....	660.02	115.49
<i>For Factory Installed Accessory, Deduct</i>	-230.98	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0091	EA		Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3).....	834.86	144.36
			<i>For Factory Installed Accessory, Deduct</i>	-288.72	
26 29 13 13-0092	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4).....	1,055.30	173.23
			<i>For Factory Installed Accessory, Deduct</i>	-346.46	
26 29 13 13-0093	EA		Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5).....	625.22	105.86
			<i>For Factory Installed Accessory, Deduct</i>	-211.73	
26 29 13 13-0094	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1).....	688.00	115.49
			<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0095	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2).....	752.83	125.11
			<i>For Factory Installed Accessory, Deduct</i>	-250.22	
26 29 13 13-0096	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3).....	957.59	168.42
			<i>For Factory Installed Accessory, Deduct</i>	-336.84	
26 29 13 13-0097	EA		Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4).....	1,177.00	197.29
			<i>For Factory Installed Accessory, Deduct</i>	-394.58	
26 29 13 13-0098	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1).....	1,088.01	115.49
			<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0099	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2).....	1,202.75	144.36
			<i>For Factory Installed Accessory, Deduct</i>	-288.72	
26 29 13 13-0100	EA		Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3).....	1,565.32	192.48
			<i>For Factory Installed Accessory, Deduct</i>	-384.95	
26 29 13 13-0101	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1).....	1,646.30	144.36
			<i>For Factory Installed Accessory, Deduct</i>	-288.72	
26 29 13 13-0102	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2).....	1,861.70	192.48
			<i>For Factory Installed Accessory, Deduct</i>	-384.95	
26 29 13 13-0103	EA		Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3).....	2,370.41	240.59
			<i>For Factory Installed Accessory, Deduct</i>	-481.20	
26 29 13 13-0104	EA		Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4).....	3,411.77	288.72
			<i>For Factory Installed Accessory, Deduct</i>	-577.44	
26 29 13 13-0105	EA		Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1).....	3,758.03	240.59
			<i>For Factory Installed Accessory, Deduct</i>	-481.20	
26 29 13 13-0106	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2).....	4,120.61	288.72
			<i>For Factory Installed Accessory, Deduct</i>	-577.44	
26 29 13 13-0107	EA		Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3).....	5,603.43	336.84
			<i>For Factory Installed Accessory, Deduct</i>	-673.67	
26 29 13 13-0108	EA		Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1).....	7,678.28	288.72
			<i>For Factory Installed Accessory, Deduct</i>	-577.44	
26 29 13 13-0109	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2).....	8,491.51	384.95
			<i>For Factory Installed Accessory, Deduct</i>	-769.91	
26 29 13 13-0110	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2).....	22,232.52	577.44
			<i>For Factory Installed Accessory, Deduct</i>	-1,154.87	
26 29 13 13-0111	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2).....	31,814.51	866.15
			<i>For Factory Installed Accessory, Deduct</i>	-1,732.30	
26 29 13 13-0112			<b>NEMA 1, Non Reversing, Magnetic Contactors</b> <small>(26 29 13 13-0084)</small>		
26 29 13 13-0113	EA		Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11).....	522.03	96.24
			<i>For Factory Installed Accessory, Deduct</i>	-192.48	
26 29 13 13-0114	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG12).....	584.80	105.86
			<i>For Factory Installed Accessory, Deduct</i>	-211.73	
26 29 13 13-0115	EA		Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5).....	565.55	96.24
			<i>For Factory Installed Accessory, Deduct</i>	-192.48	
26 29 13 13-0116	EA		Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1).....	630.40	105.86
			<i>For Factory Installed Accessory, Deduct</i>	-211.73	
26 29 13 13-0117	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2).....	693.18	115.49
			<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0118	EA		Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3).....	870.09	144.36
			<i>For Factory Installed Accessory, Deduct</i>	-288.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0119 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4).....	1,091.57	173.23
<i>For Factory Installed Accessory, Deduct</i>	-346.46	
26 29 13 13-0120 EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5) .....	659.42	105.86
<i>For Factory Installed Accessory, Deduct</i>	-211.73	
26 29 13 13-0121 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1) .....	724.27	115.49
<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0122 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2) .....	787.03	125.11
<i>For Factory Installed Accessory, Deduct</i>	-250.22	
26 29 13 13-0123 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3) .....	992.83	168.42
<i>For Factory Installed Accessory, Deduct</i>	-336.84	
26 29 13 13-0124 EA Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4) .....	1,211.20	197.29
<i>For Factory Installed Accessory, Deduct</i>	-394.58	
26 29 13 13-0125 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1) .....	1,241.39	115.49
<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0126 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2) .....	1,357.16	144.36
<i>For Factory Installed Accessory, Deduct</i>	-288.72	
26 29 13 13-0127 EA Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3) .....	1,718.69	192.48
<i>For Factory Installed Accessory, Deduct</i>	-384.95	
26 29 13 13-0128 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1) .....	1,947.86	144.36
<i>For Factory Installed Accessory, Deduct</i>	-288.72	
26 29 13 13-0129 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2) .....	2,162.23	192.48
<i>For Factory Installed Accessory, Deduct</i>	-384.95	
26 29 13 13-0130 EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3) .....	2,671.97	240.59
<i>For Factory Installed Accessory, Deduct</i>	-481.20	
26 29 13 13-0131 EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1) .....	4,382.93	240.59
<i>For Factory Installed Accessory, Deduct</i>	-481.20	
26 29 13 13-0132 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2) .....	4,745.51	288.72
<i>For Factory Installed Accessory, Deduct</i>	-577.44	
26 29 13 13-0133 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2) .....	9,630.42	384.95
<i>For Factory Installed Accessory, Deduct</i>	-769.91	
26 29 13 13-0134 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2) .....	27,241.04	577.44
<i>For Factory Installed Accessory, Deduct</i>	-1,154.87	
26 29 13 13-0135 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJG2) .....	36,837.54	866.15
<i>For Factory Installed Accessory, Deduct</i>	-1,732.30	
<b>26 29 13 13-0136 NEMA 12, Non Reversing, Magnetic Contactors</b> <small>(26 29 13 13-0084)</small>		
26 29 13 13-0137 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1) .....	807.61	105.86
<i>For Factory Installed Accessory, Deduct</i>	-211.73	
26 29 13 13-0138 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2) .....	870.39	115.49
<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0139 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2) .....	964.24	125.11
<i>For Factory Installed Accessory, Deduct</i>	-250.22	
26 29 13 13-0140 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1) .....	1,564.72	115.49
<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0141 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2) .....	1,681.53	144.36
<i>For Factory Installed Accessory, Deduct</i>	-288.72	
26 29 13 13-0142 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1) .....	2,331.30	144.36
<i>For Factory Installed Accessory, Deduct</i>	-288.72	
26 29 13 13-0143 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2) .....	2,544.63	192.48
<i>For Factory Installed Accessory, Deduct</i>	-384.95	
26 29 13 13-0144 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFA2) .....	6,015.00	288.72
<i>For Factory Installed Accessory, Deduct</i>	-577.44	
26 29 13 13-0145 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2) .....	12,879.27	384.95
<i>For Factory Installed Accessory, Deduct</i>	-769.91	
26 29 13 13-0146 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2) .....	31,224.64	577.44
<i>For Factory Installed Accessory, Deduct</i>	-1,154.87	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

26 29 13 13-0147	<b>NEMA 4/4X, Non Reversing, Magnetic Contactors</b> (26 29 13 13-0084)			
	Note: Brushed stainless steel enclosure.			
26 29 13 13-0148	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12) .....	1,210.30	115.49
		<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0149	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11) .....	1,255.90	115.49
		<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0150	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12) .....	1,318.66	125.11
		<i>For Factory Installed Accessory, Deduct</i>	-250.22	
26 29 13 13-0151	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13) .....	1,524.46	168.42
		<i>For Factory Installed Accessory, Deduct</i>	-336.84	
26 29 13 13-0152	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12) .....	2,420.42	144.36
		<i>For Factory Installed Accessory, Deduct</i>	-288.72	
26 29 13 13-0153	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12) .....	3,666.97	192.48
		<i>For Factory Installed Accessory, Deduct</i>	-384.95	
26 29 13 13-0154	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFW12) .....	7,314.54	288.72
		<i>For Factory Installed Accessory, Deduct</i>	-577.44	
26 29 13 13-0155	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12) .....	12,879.27	384.95
		<i>For Factory Installed Accessory, Deduct</i>	-769.91	
26 29 13 13-0156	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2) .....	34,619.62	577.44
		<i>For Factory Installed Accessory, Deduct</i>	-1,154.87	
26 29 13 13-0157	<b>NEMA 7/9, Non Reversing, Magnetic Contactors</b> (26 29 13 13-0084)			
	Note: Bolted cast iron enclosure.			
26 29 13 13-0158	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2) .....	2,453.14	153.99
		<i>For Factory Installed Accessory, Deduct</i>	-307.96	
26 29 13 13-0159	<b>Non Reversing, Magnetic Starters</b> (26 29 13 13-0083)			
26 29 13 13-0160	<b>Open Enclosure, Non Reversing, Magnetic Starters</b> (26 29 13 13-0159)			
26 29 13 13-0161	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO1) .....	592.50	96.24
		<i>For Factory Installed Accessory, Deduct</i>	-192.48	
26 29 13 13-0162	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12) .....	611.75	105.86
		<i>For Factory Installed Accessory, Deduct</i>	-211.73	
26 29 13 13-0163	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO1) .....	662.53	105.86
		<i>For Factory Installed Accessory, Deduct</i>	-211.73	
26 29 13 13-0164	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO2) .....	733.59	115.49
		<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0165	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO4) .....	1,184.84	173.23
		<i>For Factory Installed Accessory, Deduct</i>	-346.46	
26 29 13 13-0166	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1) .....	756.39	115.49
		<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0167	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3) .....	892.74	125.11
		<i>For Factory Installed Accessory, Deduct</i>	-250.22	
26 29 13 13-0168	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2) .....	936.26	125.11
		<i>For Factory Installed Accessory, Deduct</i>	-250.22	
26 29 13 13-0169	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO6) .....	1,182.32	115.49
		<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0170	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1) .....	1,336.44	144.36
		<i>For Factory Installed Accessory, Deduct</i>	-288.72	
26 29 13 13-0171	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1) .....	2,082.44	192.48
		<i>For Factory Installed Accessory, Deduct</i>	-384.95	
26 29 13 13-0172	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1) .....	4,460.52	288.72
		<i>For Factory Installed Accessory, Deduct</i>	-577.44	
26 29 13 13-0173	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1) .....	10,254.28	384.95
		<i>For Factory Installed Accessory, Deduct</i>	-769.91	
26 29 13 13-0174	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2) .....	23,700.98	577.44
		<i>For Factory Installed Accessory, Deduct</i>	-1,154.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0175 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2) .....	34,127.57	866.15
<i>For Factory Installed Accessory, Deduct</i>	-1,732.30	
<b>26 29 13 13-0176 NEMA 1, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
26 29 13 13-0177 EA Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG1) .....	626.70	96.24
<i>For Factory Installed Accessory, Deduct</i>	-192.48	
26 29 13 13-0178 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12) .....	645.95	105.86
<i>For Factory Installed Accessory, Deduct</i>	-211.73	
26 29 13 13-0179 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1) .....	696.73	105.86
<i>For Factory Installed Accessory, Deduct</i>	-211.73	
26 29 13 13-0180 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2) .....	767.79	115.49
<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0181 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1) .....	789.55	115.49
<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0182 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3) .....	861.65	125.11
<i>For Factory Installed Accessory, Deduct</i>	-250.22	
26 29 13 13-0183 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2) .....	971.50	125.11
<i>For Factory Installed Accessory, Deduct</i>	-250.22	
26 29 13 13-0184 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6) .....	1,336.73	115.49
<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0185 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG1) .....	1,490.85	144.36
<i>For Factory Installed Accessory, Deduct</i>	-288.72	
26 29 13 13-0186 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEG1) .....	2,384.01	192.48
<i>For Factory Installed Accessory, Deduct</i>	-384.95	
26 29 13 13-0187 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFG1) .....	5,085.42	288.72
<i>For Factory Installed Accessory, Deduct</i>	-577.44	
26 29 13 13-0188 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGG1) .....	11,396.30	384.95
<i>For Factory Installed Accessory, Deduct</i>	-769.91	
<b>26 29 13 13-0189 NEMA 12, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
26 29 13 13-0190 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA1) .....	873.94	105.86
<i>For Factory Installed Accessory, Deduct</i>	-211.73	
26 29 13 13-0191 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA2) .....	945.00	115.49
<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0192 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA1) .....	966.77	115.49
<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0193 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA3) .....	1,038.86	125.11
<i>For Factory Installed Accessory, Deduct</i>	-250.22	
26 29 13 13-0194 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA2) .....	1,148.71	125.11
<i>For Factory Installed Accessory, Deduct</i>	-250.22	
26 29 13 13-0195 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA6) .....	1,661.10	115.49
<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0196 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA1) .....	1,814.18	144.36
<i>For Factory Installed Accessory, Deduct</i>	-288.72	
26 29 13 13-0197 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEA1) .....	2,766.41	192.48
<i>For Factory Installed Accessory, Deduct</i>	-384.95	
26 29 13 13-0198 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFA1) .....	6,353.87	288.72
<i>For Factory Installed Accessory, Deduct</i>	-577.44	
26 29 13 13-0199 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGA1) .....	14,642.05	384.95
<i>For Factory Installed Accessory, Deduct</i>	-769.91	
26 29 13 13-0200 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHA2) .....	35,070.42	577.44
<i>For Factory Installed Accessory, Deduct</i>	-1,154.87	
<b>26 29 13 13-0201 NEMA 3R, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
26 29 13 13-0202 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH1) .....	873.94	105.86
<i>For Factory Installed Accessory, Deduct</i>	-211.73	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0203	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH2).....	945.00	115.49
			<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0204	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH1).....	966.77	115.49
			<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0205	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH3).....	1,038.86	125.11
			<i>For Factory Installed Accessory, Deduct</i>	-250.22	
26 29 13 13-0206	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH2).....	1,148.71	125.11
			<i>For Factory Installed Accessory, Deduct</i>	-250.22	
26 29 13 13-0207	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH6).....	1,661.10	115.49
			<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0208	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH1).....	1,814.18	144.36
			<i>For Factory Installed Accessory, Deduct</i>	-288.72	
26 29 13 13-0209	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEH1).....	2,766.41	192.48
			<i>For Factory Installed Accessory, Deduct</i>	-384.95	
26 29 13 13-0210	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFH1).....	6,353.87	288.72
			<i>For Factory Installed Accessory, Deduct</i>	-577.44	
<b>26 29 13 13-0211</b>			<b>NEMA 3R/4/4X/7/9, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
			Note: Bolted cast aluminum enclosure.		
26 29 13 13-0212	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT4).....	2,555.29	163.60
			<i>For Factory Installed Accessory, Deduct</i>	-327.21	
26 29 13 13-0213	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR1).....	3,158.43	163.60
			<i>For Factory Installed Accessory, Deduct</i>	-327.21	
26 29 13 13-0214	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR3).....	3,252.29	173.23
			<i>For Factory Installed Accessory, Deduct</i>	-346.46	
26 29 13 13-0215	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDR1).....	5,076.36	192.48
			<i>For Factory Installed Accessory, Deduct</i>	-384.95	
26 29 13 13-0216	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SET43).....	6,117.73	240.59
			<i>For Factory Installed Accessory, Deduct</i>	-481.20	
26 29 13 13-0217	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFT41).....	9,770.46	336.84
			<i>For Factory Installed Accessory, Deduct</i>	-673.67	
<b>26 29 13 13-0218</b>			<b>NEMA 4/4X, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
			Note: Brushed stainless steel enclosure.		
26 29 13 13-0219	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW11).....	1,212.81	105.86
			<i>For Factory Installed Accessory, Deduct</i>	-211.73	
26 29 13 13-0220	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW12).....	1,284.91	115.49
			<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0221	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW11).....	1,321.19	115.49
			<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0222	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW13).....	1,393.28	125.11
			<i>For Factory Installed Accessory, Deduct</i>	-250.22	
26 29 13 13-0223	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW12).....	1,503.13	125.11
			<i>For Factory Installed Accessory, Deduct</i>	-250.22	
26 29 13 13-0224	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW16).....	2,397.92	115.49
			<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0225	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11).....	3,887.70	192.48
			<i>For Factory Installed Accessory, Deduct</i>	-384.95	
26 29 13 13-0226	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW11).....	7,652.38	288.72
			<i>For Factory Installed Accessory, Deduct</i>	-577.44	
26 29 13 13-0227	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGW11).....	17,138.54	384.95
			<i>For Factory Installed Accessory, Deduct</i>	-769.91	
<b>26 29 13 13-0228</b>			<b>NEMA 4X, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
			Note: Glass polyester enclosure.		
26 29 13 13-0229	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW21).....	2,554.11	144.36
			<i>For Factory Installed Accessory, Deduct</i>	-288.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0230 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW21) .....	4,764.43	192.48
<i>For Factory Installed Accessory, Deduct</i>	-384.95	
26 29 13 13-0231 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SF21).....	9,422.41	288.72
<i>For Factory Installed Accessory, Deduct</i>	-577.44	
<b>26 29 13 13-0232 NEMA 7/9, Non Reversing, Magnetic Starters</b> (26 29 13 13-0159)		
Note: Bolted cast iron enclosure.		
26 29 13 13-0233 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT1).....	2,474.90	153.99
<i>For Factory Installed Accessory, Deduct</i>	-307.96	
26 29 13 13-0234 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT2) .....	2,555.29	163.60
<i>For Factory Installed Accessory, Deduct</i>	-327.21	
26 29 13 13-0235 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT1).....	2,592.60	163.60
<i>For Factory Installed Accessory, Deduct</i>	-327.21	
26 29 13 13-0236 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT3) .....	2,668.85	173.23
<i>For Factory Installed Accessory, Deduct</i>	-346.46	
26 29 13 13-0237 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT2).....	2,795.28	173.23
<i>For Factory Installed Accessory, Deduct</i>	-346.46	
26 29 13 13-0238 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDT1) .....	4,139.53	192.48
<i>For Factory Installed Accessory, Deduct</i>	-384.95	
<b>26 29 13 13-0239 Reversing, Magnetic Starters</b> (26 29 13 13-0083)		
<b>26 29 13 13-0240 Open Enclosure, Reversing, Magnetic Starters</b> (26 29 13 13-0239)		
26 29 13 13-0241 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13) .....	1,144.56	125.11
<i>For Factory Installed Accessory, Deduct</i>	-250.22	
26 29 13 13-0242 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16) .....	1,209.85	125.11
<i>For Factory Installed Accessory, Deduct</i>	-250.22	
26 29 13 13-0243 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1) .....	1,341.01	134.73
<i>For Factory Installed Accessory, Deduct</i>	-269.46	
26 29 13 13-0244 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2) .....	1,389.29	144.36
<i>For Factory Installed Accessory, Deduct</i>	-288.72	
26 29 13 13-0245 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10) .....	1,425.56	144.36
<i>For Factory Installed Accessory, Deduct</i>	-288.72	
26 29 13 13-0246 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2) .....	1,525.63	153.99
<i>For Factory Installed Accessory, Deduct</i>	-307.96	
26 29 13 13-0247 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3) .....	1,585.60	168.42
<i>For Factory Installed Accessory, Deduct</i>	-336.84	
26 29 13 13-0248 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7) .....	1,622.91	168.42
<i>For Factory Installed Accessory, Deduct</i>	-336.84	
26 29 13 13-0249 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1) .....	2,819.26	192.48
<i>For Factory Installed Accessory, Deduct</i>	-384.95	
26 29 13 13-0250 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1) .....	4,621.15	288.72
<i>For Factory Installed Accessory, Deduct</i>	-577.44	
26 29 13 13-0251 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1).....	10,742.25	433.08
<i>For Factory Installed Accessory, Deduct</i>	-866.15	
26 29 13 13-0252 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1) .....	20,128.80	577.44
<i>For Factory Installed Accessory, Deduct</i>	-1,154.87	
26 29 13 13-0253 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1).....	65,591.68	1,058.63
<i>For Factory Installed Accessory, Deduct</i>	-2,117.26	
<b>26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters</b> (26 29 13 13-0239)		
26 29 13 13-0255 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13) .....	1,187.50	115.49
<i>For Factory Installed Accessory, Deduct</i>	-230.98	
26 29 13 13-0256 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15) .....	1,237.83	125.11
<i>For Factory Installed Accessory, Deduct</i>	-250.22	
26 29 13 13-0257 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16) .....	1,275.14	125.11
<i>For Factory Installed Accessory, Deduct</i>	-250.22	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0258 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1).....	1,403.19	134.73
<i>For Factory Installed Accessory, Deduct</i>	-269.46	
26 29 13 13-0259 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2).....	1,453.54	144.36
<i>For Factory Installed Accessory, Deduct</i>	-288.72	
26 29 13 13-0260 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4).....	1,490.85	144.36
<i>For Factory Installed Accessory, Deduct</i>	-288.72	
26 29 13 13-0261 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2).....	1,618.90	153.99
<i>For Factory Installed Accessory, Deduct</i>	-307.96	
26 29 13 13-0262 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6).....	1,678.87	168.42
<i>For Factory Installed Accessory, Deduct</i>	-336.84	
26 29 13 13-0263 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8).....	1,716.18	168.42
<i>For Factory Installed Accessory, Deduct</i>	-336.84	
26 29 13 13-0264 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2).....	3,061.76	192.48
<i>For Factory Installed Accessory, Deduct</i>	-384.95	
26 29 13 13-0265 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2).....	5,040.86	288.72
<i>For Factory Installed Accessory, Deduct</i>	-577.44	
26 29 13 13-0266 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3).....	11,513.27	433.08
<i>For Factory Installed Accessory, Deduct</i>	-866.15	
<b>26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters</b> (26 29 13 13-0239)		
26 29 13 13-0268 EA Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2).....	1,718.84	144.36
<i>For Factory Installed Accessory, Deduct</i>	-288.72	
26 29 13 13-0269 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4).....	1,756.14	144.36
<i>For Factory Installed Accessory, Deduct</i>	-288.72	
26 29 13 13-0270 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4).....	1,981.48	168.42
<i>For Factory Installed Accessory, Deduct</i>	-336.84	
26 29 13 13-0271 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1).....	3,505.30	192.48
<i>For Factory Installed Accessory, Deduct</i>	-384.95	
<b>26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters</b> (26 29 13 13-0239)		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0273 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14).....	2,168.60	144.36
<i>For Factory Installed Accessory, Deduct</i>	-288.72	
26 29 13 13-0274 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11).....	2,564.02	153.99
<i>For Factory Installed Accessory, Deduct</i>	-307.96	
<b>26 29 13 13-0275 Magnetic Contactor/Starters Accessories</b> (26 29 13 13-0083)		
26 29 13 13-0276 EA NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2).....	161.14	12.03
<i>For Factory Installed Accessory, Deduct</i>	-24.06	
26 29 13 13-0277 EA NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3).....	278.14	12.03
<i>For Factory Installed Accessory, Deduct</i>	-24.06	
26 29 13 13-0278 EA NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2).....	161.14	12.03
<i>For Factory Installed Accessory, Deduct</i>	-24.06	
26 29 13 13-0279 EA NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8).....	278.14	12.03
<i>For Factory Installed Accessory, Deduct</i>	-24.06	
26 29 13 13-0280 EA NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R).....	278.14	12.03
<i>For Factory Installed Accessory, Deduct</i>	-24.06	
26 29 13 13-0281 EA Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11).....	136.23	9.63
<i>For Factory Installed Accessory, Deduct</i>	-19.24	
26 29 13 13-0282 EA External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6).....	120.87	9.63
<i>For Factory Installed Accessory, Deduct</i>	-19.24	
26 29 13 13-0283 EA External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8).....	161.14	12.03
<i>For Factory Installed Accessory, Deduct</i>	-24.06	
26 29 13 13-0284 EA External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13).....	136.23	9.63
<i>For Factory Installed Accessory, Deduct</i>	-19.24	
26 29 13 13-0285 EA External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15).....	182.42	12.03
<i>For Factory Installed Accessory, Deduct</i>	-24.06	
26 29 13 13-0286 EA 30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6).....	205.96	9.63
<i>For Factory Installed Accessory, Deduct</i>	-19.24	
26 29 13 13-0287 EA 45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11).....	358.41	9.63
<i>For Factory Installed Accessory, Deduct</i>	-19.24	
26 29 13 13-0288 EA 60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21).....	380.86	9.63
<i>For Factory Installed Accessory, Deduct</i>	-19.24	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0289 EA 30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8) .....	455.40	12.03
For Factory Installed Accessory, Deduct	-24.06	
26 29 13 13-0290 EA 45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13) .....	799.30	12.03
For Factory Installed Accessory, Deduct	-24.06	
26 29 13 13-0291 EA 60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23) .....	799.30	12.03
For Factory Installed Accessory, Deduct	-24.06	
26 29 13 13-0292 EA Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1).....	45.29	7.22
For Factory Installed Accessory, Deduct	-14.44	
26 29 13 13-0293 EA 1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3).....	94.87	9.63
For Factory Installed Accessory, Deduct	-19.24	
26 29 13 13-0294 EA 2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4).....	125.69	12.03
For Factory Installed Accessory, Deduct	-24.06	
26 29 13 13-0295 EA Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1).....	97.33	12.03
For Factory Installed Accessory, Deduct	-24.06	
26 29 13 13-0296 EA Terminal Block, Contactor/Starter Accessory (Square D 9999T7).....	53.80	7.22
For Factory Installed Accessory, Deduct	-14.44	
26 29 13 13-0297 EA Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1) .....	31.35	7.22
For Factory Installed Accessory, Deduct	-14.44	
26 29 13 13-0298 EA 1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39) .....	178.78	9.63
For Factory Installed Accessory, Deduct	-19.24	
26 29 13 13-0299 EA 2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40) .....	311.23	12.03
For Factory Installed Accessory, Deduct	-24.06	
<b>26 29 13 13-0300 Definite Purpose Starters (26 29 13 13)</b>		
<b>26 29 13 13-0301 Open Enclosure, Definite Purpose Starter (26 29 13 13-0300)</b>		
26 29 13 13-0302 EA Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13) .....	538.77	115.49
For Factory Installed Accessory, Deduct	-230.98	
26 29 13 13-0303 EA Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22) .....	537.73	115.49
For Factory Installed Accessory, Deduct	-230.98	
26 29 13 13-0304 EA Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23) .....	581.84	125.11
For Factory Installed Accessory, Deduct	-250.22	
26 29 13 13-0305 EA Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32) .....	576.07	115.49
For Factory Installed Accessory, Deduct	-230.98	
26 29 13 13-0306 EA Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33) .....	626.40	125.11
For Factory Installed Accessory, Deduct	-250.22	
26 29 13 13-0307 EA Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42) .....	609.24	115.49
For Factory Installed Accessory, Deduct	-230.98	
26 29 13 13-0308 EA Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43) .....	702.21	144.36
For Factory Installed Accessory, Deduct	-288.72	
26 29 13 13-0309 EA Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52) .....	788.22	144.36
For Factory Installed Accessory, Deduct	-288.72	
26 29 13 13-0310 EA Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53) .....	998.01	168.42
For Factory Installed Accessory, Deduct	-336.84	
<b>26 29 13 13-0311 NEMA 1, Definite Purpose Starter (26 29 13 13-0300)</b>		
26 29 13 13-0312 EA NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12) .....	555.79	105.86
For Factory Installed Accessory, Deduct	-211.73	
26 29 13 13-0313 EA NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13) .....	599.91	115.49
For Factory Installed Accessory, Deduct	-230.98	
26 29 13 13-0314 EA NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22) .....	597.84	115.49
For Factory Installed Accessory, Deduct	-230.98	
26 29 13 13-0315 EA NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23) .....	645.06	125.11
For Factory Installed Accessory, Deduct	-250.22	
26 29 13 13-0316 EA NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32) .....	637.22	115.49
For Factory Installed Accessory, Deduct	-230.98	
26 29 13 13-0317 EA NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33) .....	688.58	125.11
For Factory Installed Accessory, Deduct	-250.22	
26 29 13 13-0318 EA NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42) .....	672.45	115.49
For Factory Installed Accessory, Deduct	-230.98	
26 29 13 13-0319 EA NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43) .....	764.39	144.36
For Factory Installed Accessory, Deduct	-288.72	
26 29 13 13-0320 EA NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52) .....	847.29	144.36
For Factory Installed Accessory, Deduct	-288.72	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0321	EA		NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53) ..... <i>For Factory Installed Accessory, Deduct</i>	1,058.12 -336.84	168.42
<b>26 29 13 13-0322</b>			<b>Definite Purpose Starter Accessory</b> <small>(26 29 13 13-0300)</small>		
26 29 13 13-0323	EA		Start-Stop Push Button Kit, Definite Purpose Starter Accessory ..... <i>Note: Or Hand-Off-Auto Selector Switch Kit</i> <i>For Factory Installed Accessory, Deduct</i>	182.42 -24.06	12.03
<b>26 29 13 13-0324</b>			<b>Panel Mounted Miniature Contactor</b> <small>(26 29 13 13)</small>		
<b>26 29 13 13-0325</b>			<b>Non Reversing, Panel Mounted Miniature Contactor</b> <small>(26 29 13 13-0324)</small>		
26 29 13 13-0326	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K) .....	155.31	48.12
26 29 13 13-0327	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K) .....	183.58	52.94
26 29 13 13-0328	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K) .....	183.58	52.94
26 29 13 13-0329	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K) .....	204.61	57.74
26 29 13 13-0330	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	173.96	48.12
26 29 13 13-0331	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	184.33	48.12
26 29 13 13-0332	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	201.20	52.94
26 29 13 13-0333	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	211.56	52.94
26 29 13 13-0334	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	207.42	52.94
26 29 13 13-0335	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	211.56	52.94
26 29 13 13-0336	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	225.34	57.74
26 29 13 13-0337	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	217.78	52.94
26 29 13 13-0338	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	235.70	57.74
26 29 13 13-0339	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K) .....	219.85	52.94
26 29 13 13-0340	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K) .....	219.85	52.94
26 29 13 13-0341	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K) .....	246.07	57.74
26 29 13 13-0342	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K) .....	246.07	57.74
<b>26 29 13 13-0343</b>			<b>Reversing, Panel Mounted Miniature Contactor</b> <small>(26 29 13 13-0324)</small>		
26 29 13 13-0344	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K) .....	230.96	48.12
26 29 13 13-0345	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K) .....	251.69	48.12
26 29 13 13-0346	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K) .....	278.92	52.94
26 29 13 13-0347	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K) .....	278.92	52.94
26 29 13 13-0348	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K) .....	299.65	52.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0349 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	313.43	57.74
26 29 13 13-0350 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	313.43	57.74
26 29 13 13-0351 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	269.30	48.12
26 29 13 13-0352 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	290.03	48.12
26 29 13 13-0353 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	315.20	52.94
26 29 13 13-0354 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	335.92	52.94
26 29 13 13-0355 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	355.92	57.74
26 29 13 13-0356 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	376.64	57.74
26 29 13 13-0357 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	303.80	52.94
26 29 13 13-0358 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	352.50	52.94
26 29 13 13-0359 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	399.44	57.74
<b>26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories</b> <small>(26 29 13 13-0324)</small>		
26 29 13 13-0361 EA 2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02).....	64.39	24.06
26 29 13 13-0362 EA 4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40).....	72.39	24.06
26 29 13 13-0363 EA Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U).....	86.88	24.06
26 29 13 13-0364 EA Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301).....	115.70	24.06
<b>26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole</b> <small>(26 29 13 13)</small>		
<b>26 29 13 13-0366 NEMA 1 Enclosure</b> <small>(26 29 13 13-0365)</small>		
26 29 13 13-0367 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	6,923.43	461.00
<i>For NEMA 4, Add</i>	<i>747.73</i>	
26 29 13 13-0368 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	12,157.56	614.66
<i>For NEMA 4, Add</i>	<i>1,365.78</i>	
26 29 13 13-0369 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	21,397.27	729.91
<i>For NEMA 4, Add</i>	<i>2,492.76</i>	
26 29 13 13-0370 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	52,469.16	893.18
<i>For NEMA 4, Add</i>	<i>6,336.33</i>	
26 29 13 13-0371 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	83,801.09	1,142.89
<i>For NEMA 4, Add</i>	<i>10,189.30</i>	
<b>26 29 13 13-0372 NEMA 12 Enclosure</b> <small>(26 29 13 13-0365)</small>		
26 29 13 13-0373 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	6,873.60	470.79
26 29 13 13-0374 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	12,066.55	615.62
26 29 13 13-0375 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	21,231.16	727.61
26 29 13 13-0376 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	52,046.94	889.24
26 29 13 13-0377 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	83,122.13	1,143.37
<b>26 29 13 13-0378 Factory Modifications Pilot Devices</b> <small>(26 29 13 13-0365)</small>		
26 29 13 13-0379 EA Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	176.17	
26 29 13 13-0380 EA H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	194.29	
26 29 13 13-0381 EA Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	330.72	
26 29 13 13-0382 EA Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	179.69	
26 29 13 13-0383 EA Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	258.38	
26 29 13 13-0384 EA Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	129.19	
26 29 13 13-0385 EA Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	421.67	
<b>26 29 13 13-0386 Factory Modifications Meters</b> <small>(26 29 13 13-0365)</small>		

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0387 EA Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter .....	1,694.96	
26 29 13 13-0388 EA Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter .....	1,637.10	
26 29 13 13-0389 EA Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter .....	578.77	
26 29 13 13-0390 EA Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter .....	479.57	
<b>26 29 13 13-0391 Factory Modifications Main Circuit Breakers</b> (26 29 13 13-0365)		
26 29 13 13-0392 EA Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker .....	2,240.14	
26 29 13 13-0393 EA Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker .....	4,096.94	
26 29 13 13-0394 EA Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker .....	8,714.59	
<b>26 29 13 13-0395 Factory Modifications Addition</b> (26 29 13 13-0365) Note: For reversing service auto transformer type.		
26 29 13 13-0396 EA Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase .....	376.21	
26 29 13 13-0397 EA Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase .....	376.21	
26 29 13 13-0398 EA Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase .....	376.21	
26 29 13 13-0399 EA Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase .....	376.21	
<b>26 29 13 13-0400 Combination Starters Non-Reversing</b> (26 29 13 13)		
<b>26 29 13 13-0401 240-600 Volt, 3-Pole</b> (26 29 13 13-0400)		
<b>26 29 13 13-0402 NEMA 1 With Disconnect Switch</b> (26 29 13 13-0401)		
26 29 13 13-0403 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	1,639.29	220.90
For Electronic Overloads, Add	226.99	
26 29 13 13-0404 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	1,956.25	345.74
For Electronic Overloads, Add	239.46	
26 29 13 13-0405 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,795.82	403.38
For Electronic Overloads, Add	379.14	
26 29 13 13-0406 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	4,321.85	499.41
For Electronic Overloads, Add	631.07	
26 29 13 13-0407 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	8,007.23	797.14
For Electronic Overloads, Add	1,217.24	
26 29 13 13-0408 EA Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	16,384.93	998.83
For Electronic Overloads, Add	2,732.98	
<b>26 29 13 13-0409 NEMA 1 With Circuit Breaker</b> (26 29 13 13-0401)		
26 29 13 13-0410 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,111.91	220.90
For Electronic Overloads, Add	316.78	
26 29 13 13-0411 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,428.87	345.74
For Electronic Overloads, Add	329.25	
26 29 13 13-0412 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	3,255.30	403.38
For Electronic Overloads, Add	466.44	
26 29 13 13-0413 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	4,571.29	499.41
For Electronic Overloads, Add	678.46	
26 29 13 13-0414 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	9,438.20	797.14
For Electronic Overloads, Add	1,489.13	
26 29 13 13-0415 EA Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	20,178.96	998.83
For Electronic Overloads, Add	3,453.84	
<b>26 29 13 13-0416 Factory Modifications For NEMA 1 Enclosure</b> (26 29 13 13-0401)		
26 29 13 13-0417 EA Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt .....	215.22	
26 29 13 13-0418 EA H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt .....	505.51	
26 29 13 13-0419 EA Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt .....	348.89	
<b>26 29 13 13-0420 NEMA 4 With Disconnect Switch</b> (26 29 13 13-0401)		
26 29 13 13-0421 EA Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	3,047.80	288.12
For Electronic Overloads, Add	466.44	
26 29 13 13-0422 EA Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	3,320.94	403.38
For Electronic Overloads, Add	478.91	
26 29 13 13-0423 EA Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	4,827.72	441.79
For Electronic Overloads, Add	748.31	
26 29 13 13-0424 EA Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	7,775.61	537.83
For Electronic Overloads, Add	1,274.61	
26 29 13 13-0425 EA Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	12,339.52	797.14
For Electronic Overloads, Add	2,040.38	
26 29 13 13-0426 EA Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	27,438.83	998.83
For Electronic Overloads, Add	4,833.22	
<b>26 29 13 13-0427 NEMA 4 With Circuit Breaker</b> (26 29 13 13-0401)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0428 EA Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,520.42	288.12
<i>For Electronic Overloads, Add</i>	556.24	
26 29 13 13-0429 EA Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,793.56	403.38
<i>For Electronic Overloads, Add</i>	568.71	
26 29 13 13-0430 EA Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,287.20	441.79
<i>For Electronic Overloads, Add</i>	835.61	
26 29 13 13-0431 EA Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,025.04	537.83
<i>For Electronic Overloads, Add</i>	1,322.00	
26 29 13 13-0432 EA Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	13,770.49	797.14
<i>For Electronic Overloads, Add</i>	2,312.26	
26 29 13 13-0433 EA Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	25,955.35	998.83
<i>For Electronic Overloads, Add</i>	4,651.36	
<b>26 29 13 13-0434 Factory Modifications For NEMA 4 Enclosure (26 29 13 13-0401)</b>		
26 29 13 13-0435 EA Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	215.25	
26 29 13 13-0436 EA H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	505.51	
26 29 13 13-0437 EA Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	348.89	
<b>26 29 13 13-0438 NEMA 12 With Disconnect Switch (26 29 13 13-0401)</b>		
26 29 13 13-0439 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	1,699.02	222.33
<i>For Electronic Overloads, Add</i>	238.33	
26 29 13 13-0440 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,019.27	347.96
<i>For Electronic Overloads, Add</i>	251.43	
26 29 13 13-0441 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,895.59	400.21
<i>For Electronic Overloads, Add</i>	398.10	
26 29 13 13-0442 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	4,487.92	500.19
<i>For Electronic Overloads, Add</i>	662.62	
26 29 13 13-0443 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	8,327.55	800.40
<i>For Electronic Overloads, Add</i>	1,278.10	
26 29 13 13-0444 EA Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	17,104.12	1,000.36
<i>For Electronic Overloads, Add</i>	2,869.62	
<b>26 29 13 13-0445 NEMA 12 With Circuit Breaker (26 29 13 13-0401)</b>		
26 29 13 13-0446 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,263.36	222.33
<i>For Electronic Overloads, Add</i>	345.56	
26 29 13 13-0447 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,586.28	347.96
<i>For Electronic Overloads, Add</i>	359.16	
26 29 13 13-0448 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,478.31	400.21
<i>For Electronic Overloads, Add</i>	508.81	
26 29 13 13-0449 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,895.65	500.19
<i>For Electronic Overloads, Add</i>	740.09	
26 29 13 13-0450 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	10,150.14	800.40
<i>For Electronic Overloads, Add</i>	1,624.40	
26 29 13 13-0451 EA Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	21,830.22	1,000.36
<i>For Electronic Overloads, Add</i>	3,767.58	
<b>26 29 13 13-0452 Factory Modifications For NEMA 12 Enclosure (26 29 13 13-0401)</b>		
26 29 13 13-0453 EA Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	213.46	
26 29 13 13-0454 EA H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	501.31	
26 29 13 13-0455 EA Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	345.98	
<b>26 29 13 13-0456 NEMA 7 Or 9 With Circuit Breaker (26 29 13 13-0401)</b>		
26 29 13 13-0457 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,035.68	461.00
26 29 13 13-0458 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,469.54	614.66
26 29 13 13-0459 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,910.85	845.16
26 29 13 13-0460 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,803.87	1,152.50
26 29 13 13-0461 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	13,290.38	1,613.49
<b>26 29 13 13-0462 Factory Modifications For NEMA 7 Or 9 Enclosure (26 29 13 13-0401)</b>		
26 29 13 13-0463 EA Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,279.97	
26 29 13 13-0464 EA H-O-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,279.97	
26 29 13 13-0465 EA Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,279.97	
<b>26 29 13 13-0466 Combination Starters Reversing (26 29 13 13)</b>		
<b>26 29 13 13-0467 240-600 Volt, 3 Pole (26 29 13 13-0466)</b>		
<b>26 29 13 13-0468 NEMA 1 With Disconnect Switch (26 29 13 13-0467)</b>		
26 29 13 13-0469 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	2,016.49	288.12
26 29 13 13-0470 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	2,319.33	403.38
26 29 13 13-0471 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	3,428.33	441.79
26 29 13 13-0472 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	5,274.52	537.83
26 29 13 13-0473 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	10,412.72	797.14

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>26 29 13 13-0474</b>	<b>NEMA 1 With Circuit Breaker</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0475	EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,265.86	288.12
26 29 13 13-0476	EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,585.51	403.38
26 29 13 13-0477	EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,739.94	441.79
26 29 13 13-0478	EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,845.52	537.83
26 29 13 13-0479	EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	11,255.58	797.14
<b>26 29 13 13-0480</b>	<b>NEMA 12 With Disconnect Switch</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0481	EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,161.50	296.48
26 29 13 13-0482	EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,474.04	400.21
26 29 13 13-0483	EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	3,686.95	444.67
26 29 13 13-0484	EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	5,703.07	533.60
26 29 13 13-0485	EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	11,310.28	800.40
<b>26 29 13 13-0486</b>	<b>NEMA 12 With Circuit Breaker</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0487	EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,436.26	296.48
26 29 13 13-0488	EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,767.35	400.21
26 29 13 13-0489	EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,030.30	444.67
26 29 13 13-0490	EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,230.37	533.60
26 29 13 13-0491	EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	12,238.99	800.40
<b>26 29 13 13-0492</b>	<b>NEMA 7 Or 9 With Circuit Breaker</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0493	EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,881.40	614.66
26 29 13 13-0494	EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,219.96	768.32
26 29 13 13-0495	EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	7,529.86	998.83
26 29 13 13-0496	EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	12,045.81	1,306.15
26 29 13 13-0497	EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	22,130.78	1,767.15
<b>26 29 13 13-0498</b>	<b>Solid State Motor Controllers</b> <small>(26 29 13 13)</small>		
<b>26 29 13 13-0499</b>	<b>Adjustable Voltage Drives, DC Motors</b> <small>(26 29 13 13-0498)</small>		
26 29 13 13-0500	EA 0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking.....	1,617.89	172.87
26 29 13 13-0501	EA 0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	1,966.83	172.87
<b>26 29 13 13-0502</b>	<b>Removal And Reinstallation Of Motor Starters</b> <small>(26 29 13 13)</small>		
	Note: Includes storage and cleaning.		
26 29 13 13-0503	EA Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect.....	686.00	
<b>26 29 13 13-0504</b>	<b>Auxiliary Devices</b> <small>(26 29 13 13)</small>		
26 29 13 13-0505	EA Normally Open, Auxiliary Contact.....	463.76	96.04
26 29 13 13-0506	EA Normally Closed, Auxiliary Contact.....	463.76	96.04
26 29 13 13-0507	EA Pilot Light Kit.....	491.18	96.04
<b>26 29 23</b>	<b>Variable-Frequency Motor Controllers</b> <small>(26 29)</small>		
<b>26 29 23 00-0001</b>	<b>208/230 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives</b> <small>(26 29 23)</small>		
	Note: 1 or 3 phase. Wall mounted. ABB ACH580 Series. Includes full voltage bypass with main input circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0002	EA 3/4 HP, 208/230 Volt Variable Frequency Drive.....	1,975.20	376.10
	For 6-Pulse Drive Package, Deduct	-672.60	
26 29 23 00-0003	EA 1 HP, 208/230 Volt Variable Frequency Drive.....	2,226.18	411.06
	For 6-Pulse Drive Package, Deduct	-774.33	
26 29 23 00-0004	EA 1-1/2 HP, 208/230 Volt Variable Frequency Drive.....	2,590.37	451.98
	For 6-Pulse Drive Package, Deduct	-927.52	
26 29 23 00-0005	EA 2 HP, 208/230 Volt Variable Frequency Drive.....	2,737.01	434.46
	For 6-Pulse Drive Package, Deduct	-1,027.46	
26 29 23 00-0006	EA 3 HP, 208/230 Volt Variable Frequency Drive.....	2,932.95	473.68
	For 6-Pulse Drive Package, Deduct	-1,092.08	
26 29 23 00-0007	EA 5 HP, 208/230 Volt Variable Frequency Drive.....	3,177.75	473.68
	For 6-Pulse Drive Package, Deduct	-1,226.72	
26 29 23 00-0008	EA 7.5 HP, 208/230 Volt Variable Frequency Drive.....	3,796.74	565.57
	For 6-Pulse Drive Package, Deduct	-1,466.08	
26 29 23 00-0009	EA 10 HP, 208/230 Volt Variable Frequency Drive.....	4,150.34	565.57
	For 6-Pulse Drive Package, Deduct	-1,660.56	
26 29 23 00-0010	EA 15 HP, 208/230 Volt Variable Frequency Drive.....	5,456.75	851.58
	For 6-Pulse Drive Package, Deduct	-2,064.48	
26 29 23 00-0011	EA 20 HP, 208/230 Volt Variable Frequency Drive.....	6,435.95	851.58
	For 6-Pulse Drive Package, Deduct	-2,603.04	
26 29 23 00-0012	EA 25 HP, 208/230 Volt Variable Frequency Drive.....	7,838.38	1,131.24
	For 6-Pulse Drive Package, Deduct	-3,066.80	
26 29 23 00-0013	EA 30 HP, 208/230 Volt Variable Frequency Drive.....	9,062.38	1,131.24
	For 6-Pulse Drive Package, Deduct	-3,740.00	
26 29 23 00-0014	EA 40 HP, 208/230 Volt Variable Frequency Drive.....	10,123.18	1,131.24
	For 6-Pulse Drive Package, Deduct	-4,323.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0015 EA 50 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	13,359.16 -5,774.56	1,430.03
26 29 23 00-0016 EA 60 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	16,112.99 -7,001.28	1,691.69
26 29 23 00-0017 EA 75 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	18,288.99 -8,198.08	1,691.69
<b>26 29 23 00-0018 460/480 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives</b> <small>(26 29 23)</small> Note: 3 Phase. ABB ACH580 Series. Includes full voltage bypass with main circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0019 EA 3 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	4,726.19 -1,855.04	676.70
26 29 23 00-0020 EA 5 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	4,889.39 -1,944.80	676.70
26 29 23 00-0021 EA 7.5 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	5,338.89 -2,049.52	806.29
26 29 23 00-0022 EA 10 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	5,366.09 -2,064.48	806.29
26 29 23 00-0023 EA 15 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	7,177.54 -2,603.04	1,222.37
26 29 23 00-0024 EA 20 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	7,558.34 -2,812.48	1,222.37
26 29 23 00-0025 EA 25 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	9,073.08 -3,216.40	1,612.58
26 29 23 00-0026 EA 30 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	10,433.08 -3,964.40	1,612.58
26 29 23 00-0027 EA 40 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	11,847.48 -4,742.32	1,612.58
26 29 23 00-0028 EA 50 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	15,520.64 -6,283.20	2,048.37
26 29 23 00-0029 EA 60 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	20,743.02 -8,736.64	2,429.11
26 29 23 00-0030 EA 75 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	22,048.62 -9,454.72	2,429.11
26 29 23 00-0031 EA 100 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	25,541.47 -11,070.40	2,706.78
26 29 23 00-0032 EA 125 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	26,955.87 -11,848.32	2,706.78
26 29 23 00-0033 EA 150 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	29,893.47 -13,464.00	2,706.78
26 29 23 00-0034 EA 200 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	34,495.13 -15,378.88	3,266.76
26 29 23 00-0035 EA 250 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	43,255.71 -20,036.82	3,412.56
26 29 23 00-0036 EA 300 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	50,742.31 -23,600.90	3,915.79
26 29 23 00-0037 EA 350 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	58,410.05 -27,453.99	4,246.80
26 29 23 00-0038 EA 400 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	67,741.54 -32,213.67	4,585.67
26 29 23 00-0039 EA 450 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	73,004.71 -34,682.66	4,972.67
<b>26 29 33 Controllers for Fire Pump Drivers</b> <small>(26 29)</small>		
<b>26 29 33 13 Full-Service Controllers for Fire Pump Electric-Motor Drivers</b> <small>(26 29 33)</small>		
26 29 33 13-0001 Electric Controllers For Fire Pumps <small>(26 29 33 13)</small>		
26 29 33 13-0002 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller <small>(26 29 33 13-0001)</small>		
26 29 33 13-0003 EA 30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	32,724.64	197.24
26 29 33 13-0004 EA 40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	37,054.60	219.17
26 29 33 13-0005 EA 50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	38,836.28	241.08



MINOR  
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TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 29 33 13-0006	EA	75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	44,297.37	263.00
26 29 33 13-0007	EA	150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	46,768.62	306.82
26 29 33 13-0008	EA	175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	49,760.93	394.49
26 29 33 13-0009	EA	200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	53,922.36	438.32
26 29 33 13-0010	EA	250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	61,672.58	499.69
26 29 33 13-0011	EA	300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	74,406.18	539.13
26 29 33 13-0012	EA	350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	87,469.93	613.65
26 29 33 13-0013	EA	400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	104,459.41	657.49
26 29 33 13-0014	EA	500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	117,981.86	701.32

### 26 29 33 19 Controllers for Fire Pump Diesel Engine Drivers (26 29 33)

See CSI section 26 29 33 13-0000 for controllers for fire pump diesel engine drivers.

## 26 30 Facility Electrical Power Generating and Storing Equipment

(26)

### 26 31 Photovoltaic Collectors (26 30)

#### 26 31 00 00-0002 Rigid Photovoltaic Modules (26 31)

##### 26 31 00 00-0003 Sanyo Rigid Photovoltaic Modules (26 31 00 00-0002)

26 31 00 00-0004	EA	205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6).....	2,068.18	91.23
		<i>For &gt;50, Deduct</i>	-188.57	
26 31 00 00-0005	EA	210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6).....	2,170.40	91.23
		<i>For &gt;50, Deduct</i>	-198.79	
26 31 00 00-0006	EA	215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6).....	2,028.08	91.23
		<i>For &gt;50, Deduct</i>	-184.56	

##### 26 31 00 00-0007 Sharp Rigid Photovoltaic Modules (26 31 00 00-0002)

26 31 00 00-0008	EA	224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1).....	1,607.91	91.23
		<i>For &gt;50, Deduct</i>	-142.54	
26 31 00 00-0009	EA	230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3) .....	1,836.07	91.23
		<i>For &gt;50, Deduct</i>	-165.36	
26 31 00 00-0010	EA	235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1) .....	1,872.21	91.23
		<i>For &gt;50, Deduct</i>	-168.97	
26 31 00 00-0011	EA	240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1) .....	1,759.26	91.23
		<i>For &gt;50, Deduct</i>	-157.68	

##### 26 31 00 00-0012 BP Solar Rigid Photovoltaic Modules (26 31 00 00-0002)

Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

26 31 00 00-0013	EA	50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J).....	767.45	91.23
		<i>For &gt;50, Deduct</i>	-58.50	
26 31 00 00-0014	EA	75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J).....	959.46	91.23
		<i>For &gt;50, Deduct</i>	-77.70	
26 31 00 00-0015	EA	80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J).....	1,036.27	91.23
		<i>For &gt;50, Deduct</i>	-85.38	

#### 26 31 00 00-0016 Photovoltaic Inverters (26 31)

##### 26 31 00 00-0017 Fronius Photovoltaic Inverters (26 31 00 00-0016)

26 31 00 00-0018	EA	3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1) .....	4,994.93	96.04
26 31 00 00-0019	EA	5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1) .....	6,605.49	96.04
26 31 00 00-0020	EA	6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1) .....	6,975.51	96.04
26 31 00 00-0021	EA	7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1) .....	7,805.69	96.04
26 31 00 00-0022	EA	10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1) .....	12,391.18	96.04
26 31 00 00-0023	EA	12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1) .....	14,412.49	96.04
26 31 00 00-0024	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta) .....	11,674.29	192.09
26 31 00 00-0025	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3) .....	14,803.24	192.09
26 31 00 00-0026	EA	Inverter Display Stand (Fronius 4,045,894) .....	416.14	48.02

##### 26 31 00 00-0027 SMA Photovoltaic Inverters (26 31 00 00-0016)

26 31 00 00-0028	EA	4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22).....	3,695.93	96.04
26 31 00 00-0029	EA	5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22).....	4,446.95	96.04
26 31 00 00-0030	EA	6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22).....	5,146.86	96.04
26 31 00 00-0031	EA	7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22).....	5,681.18	96.04
26 31 00 00-0032	EA	8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12).....	5,501.20	96.04

##### 26 31 00 00-0033 PVPowered Photovoltaic Inverters (26 31 00 00-0016)

26 31 00 00-0034	EA	120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100) .....	4,586.14	96.04
26 31 00 00-0035	EA	240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000).....	4,798.89	96.04
26 31 00 00-0036	EA	240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500).....	5,307.69	96.04
26 31 00 00-0037	EA	240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500).....	6,290.00	120.05
26 31 00 00-0038	EA	208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600).....	7,670.10	144.06





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0039 EA 240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200) .....	8,165.93	144.06
26 31 00 00-0040 EA 240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800) .....	7,734.87	144.06
26 31 00 00-0041 EA 208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW) .....	97,877.56	768.32
26 31 00 00-0042 EA 480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW) .....	98,007.66	768.32
26 31 00 00-0043 EA 208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW) .....	106,087.95	768.32
26 31 00 00-0044 EA 480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW) .....	98,318.15	768.32
<b>26 31 00 00-0045 Solectria Photovoltaic Inverters (26 31 00 00-0016)</b>		
26 31 00 00-0046 EA 208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI) .....	15,353.80	192.09
26 31 00 00-0047 EA 208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI) .....	15,353.80	192.09
26 31 00 00-0048 EA 208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI) .....	15,805.90	192.09
26 31 00 00-0049 EA 480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI) .....	15,805.90	192.09
26 31 00 00-0050 EA 208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI) .....	48,120.99	576.25
26 31 00 00-0051 EA 480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI) .....	45,860.48	576.25
26 31 00 00-0052 EA 208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI) .....	52,642.02	576.25
26 31 00 00-0053 EA 480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI) .....	51,386.18	576.25
26 31 00 00-0054 EA 208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI) .....	55,907.21	576.25
26 31 00 00-0055 EA 480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI) .....	53,395.53	576.25
26 31 00 00-0056 EA 208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI) .....	58,803.06	768.32
26 31 00 00-0057 EA 480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI) .....	56,040.20	768.32
26 31 00 00-0058 EA 208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI) .....	61,063.57	768.32
26 31 00 00-0059 EA 480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI) .....	57,798.38	768.32
<b>26 31 00 00-0060 Xantrex Photovoltaic Inverters (26 31 00 00-0016)</b>		
26 31 00 00-0061 EA 0.6 KW Photovoltaic Inverter (Xantrex 806-1206) .....	633.67	24.01
26 31 00 00-0062 EA 1 KW Photovoltaic Inverter (Xantrex 806-1210) .....	691.84	24.01
26 31 00 00-0063 EA 2 KW Photovoltaic Inverter (Xantrex 806-1220) .....	1,119.33	24.01
<b>26 31 00 00-0064 Photovoltaic DC-DC Converters (26 31)</b>		
26 31 00 00-0065 EA 15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20) .....	361.18	36.01
Note: Hazardous locations.		
26 31 00 00-0066 EA 20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23) .....	234.68	36.01
26 31 00 00-0067 EA 60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60) .....	686.48	36.01
<b>26 31 00 00-0068 Photovoltaic Combiner Boxes (26 31)</b>		
<b>26 31 00 00-0069 Midnight Solar Photovoltaic Combiner Boxes (26 31 00 00-0068)</b>		
26 31 00 00-0070 EA 3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3) .....	405.40	96.04
26 31 00 00-0071 EA 6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6) .....	393.68	96.04
26 31 00 00-0072 EA 12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12) .....	630.91	144.06
26 31 00 00-0073 EA 6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250) .....	635.02	144.06
26 31 00 00-0074 EA 16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16) .....	1,015.03	144.06
<b>26 31 00 00-0075 SMA Photovoltaic Combiner Boxes (26 31 00 00-0068)</b>		
26 31 00 00-0076 EA 6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6) .....	958.32	96.04
26 31 00 00-0077 EA 12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12) .....	1,157.97	96.04
26 31 00 00-0078 EA 28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28) .....	2,239.62	192.09
26 31 00 00-0079 EA 52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52) .....	5,279.27	192.09
26 31 00 00-0080 EA 4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch) .....	850.28	96.04
<b>26 31 00 00-0081 Photovoltaic Charge Controller (26 31)</b>		
26 31 00 00-0082 EA 35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35) .....	284.38	36.01
26 31 00 00-0083 EA 40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40) .....	386.03	36.01
26 31 00 00-0084 EA 60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60) .....	453.80	36.01
26 31 00 00-0085 EA Remote Digital Meter For Xantrex C-35, 40 And 60 .....	343.11	36.01
26 31 00 00-0086 EA MPPT Charge Controller (Xantrex XW SCC) .....	1,229.94	48.02
<b>26 31 00 00-0087 Photovoltaic Batteries (26 31)</b>		
<b>26 31 00 00-0088 Concorde Photovoltaic Batteries (26 31 00 00-0087)</b>		
26 31 00 00-0089 EA 34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T) .....	272.55	14.41
26 31 00 00-0090 EA 45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T) .....	343.10	19.20
26 31 00 00-0091 EA 49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T) .....	372.64	19.20
26 31 00 00-0092 EA 56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T) .....	423.24	28.81
26 31 00 00-0093 EA 69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T) .....	484.17	28.81
26 31 00 00-0094 EA 89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T) .....	575.03	33.61
26 31 00 00-0095 EA 104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T) .....	659.54	38.42
26 31 00 00-0096 EA 108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T) .....	651.66	38.42
26 31 00 00-0097 EA 210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T) .....	1,208.39	45.62
26 31 00 00-0098 EA 255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T) .....	1,400.07	48.02

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 31 Photovoltaic Collectors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 31 00 00-0099</b>			<b>Deka Photovoltaic Batteries</b> <small>(26 31 00 00-0087)</small>		
26 31 00 00-0100	EA		31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1).....	280.80	24.06
26 31 00 00-0101	EA		50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF).....	391.49	24.06
26 31 00 00-0102	EA		74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24).....	583.50	24.06
26 31 00 00-0103	EA		86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27).....	669.34	24.06
26 31 00 00-0104	EA		98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31).....	671.60	24.06
26 31 00 00-0105	EA		183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D).....	1,313.16	24.06
26 31 00 00-0106	EA		225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D).....	1,520.99	24.06
<b>26 31 00 00-0107</b>			<b>Battery Enclosures</b> <small>(26 31 00 00-0087)</small>		
26 31 00 00-0108	EA		14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010).....	319.10	24.01
26 31 00 00-0109	EA		22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC).....	1,613.61	24.06
26 31 00 00-0110	EA		37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL).....	1,516.47	24.06
26 31 00 00-0111	EA		37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC).....	2,024.74	24.06
26 31 00 00-0112	EA		15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1).....	895.24	24.06
26 31 00 00-0113	EA		31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP).....	2,121.88	24.06
<b>26 31 00 00-0114</b>			<b>Photovoltaic System Monitoring</b> <small>(26 31)</small>		
26 31 00 00-0115	EA		Solar Inverter Monitor (Xantrex 864-0203).....	674.80	48.02
26 31 00 00-0116	EA		Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox).....	1,435.61	24.01
26 31 00 00-0117	EA		Sun Radiation And Temperature Monitor (SMA Sunny SensorBox).....	1,197.35	24.01
26 31 00 00-0118	EA		PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA).....	210.26	24.01
26 31 00 00-0119	EA		Wind Sensor Accessory For Sunny SensorBox (SMA).....	525.88	48.02
26 31 00 00-0120	EA		Sunny Boy Control with RS485 (SMA).....	1,411.89	24.01
26 31 00 00-0121	EA		RS 485 Module (SMA).....	310.95	24.01
26 31 00 00-0122	EA		RS 232 Module (SMA).....	319.10	24.01
26 31 00 00-0123	EA		Wireless Monitor with Bluetooth (SMA Sunny Beam).....	596.88	
26 31 00 00-0124	EA		Bluetooth Piggy-Back Computer Card (SMA).....	323.50	24.01
26 31 00 00-0125	EA		RS485-N Communication Computer Card (SMA).....	321.22	24.01
26 31 00 00-0126	EA		Bluetooth Repeater (SMA).....	618.33	24.01
26 31 00 00-0127	EA		Sunny Boy PC Service Cable (SMA).....	296.08	7.20
26 31 00 00-0128	EA		Integrated Revenue Grade Meter, Option (PVPowered).....	5,794.34	
26 31 00 00-0129	EA		Data Monitoring Module (PVPowered PVM1010).....	617.00	24.01
26 31 00 00-0130	EA		Wireless IG Personal Display (Fronius 4,240,108).....	606.79	
26 31 00 00-0131	EA		DatCom Power Supply (Fronius 43,0001,2311).....	199.96	
26 31 00 00-0132	EA		Wireless Card For IG Personal Display (Fronius 4,240,008,Z).....	361.97	24.01
26 31 00 00-0133	EA		Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z).....	304.14	24.01
26 31 00 00-0134	EA		Datalogger Pro Box (Fronius 4,240,102).....	1,234.64	24.01
26 31 00 00-0135	EA		Datalogger Easy Box (Fronius 4,240,103).....	798.32	24.01
26 31 00 00-0136	EA		Datalogger Interface Box (Fronius 4,240,105).....	1,395.64	24.01
26 31 00 00-0137	EA		Datalogger Web (Fronius 4,240,122).....	2,408.11	24.01
26 31 00 00-0138	EA		Interface Box (Fronius 4,240,109).....	636.95	24.01
26 31 00 00-0139	EA		Interface Card (Fronius 4,240,009,Z).....	450.54	24.01
26 31 00 00-0140	EA		Interface Card Easy (Fronius 4,240,013,Z).....	292.40	24.01
26 31 00 00-0141	EA		Sensor Box (Fronius 4,240,104).....	1,290.07	24.01
26 31 00 00-0142	EA		Ambient Temperature Sensor (Fronius 43,0001,1188).....	130.82	24.01
26 31 00 00-0143	EA		Irradiance Sensor (Fronius 43,0001,1188).....	439.06	24.01
26 31 00 00-0144	EA		Module Temperature Sensor (Fronius 43,0001,1190).....	490.55	24.01
26 31 00 00-0145	EA		Wind Speed Sensor (Fronius 42,0411,0027).....	239.33	48.02
<b>26 31 00 00-0146</b>			<b>Photovoltaic System Accessories</b> <small>(26 31)</small>		
26 31 00 00-0147	EA		Four Inverter Bypass Switch (OutBack AC-IOB-100Q).....	934.65	48.02
26 31 00 00-0148	EA		Line Communication Filter (Enphase LCF).....	2,042.21	96.04
26 31 00 00-0149	EA		15 Meter RS 485 Communication Cable (SMA).....	156.73	7.20
26 31 00 00-0150	EA		15 Meter RS 232 Communication Cable (SMA).....	238.05	7.20
26 31 00 00-0151	EA		24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	34.95	2.38
26 31 00 00-0152	EA		36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	37.68	2.38
26 31 00 00-0153	EA		48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	39.22	2.38
26 31 00 00-0154	EA		72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	43.49	2.38
26 31 00 00-0155	EA		120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	49.90	2.38
26 31 00 00-0156	EA		240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	78.45	4.75
26 31 00 00-0157	EA		360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	98.33	4.75
26 31 00 00-0158	EA		420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	128.35	7.13
26 31 00 00-0159	EA		36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	44.56	2.38
26 31 00 00-0160	EA		120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	62.70	2.38
26 31 00 00-0161	EA		240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	91.26	4.75
26 31 00 00-0162	EA		360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	123.28	4.75
26 31 00 00-0163	EA		600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	198.52	9.51
26 31 00 00-0164	EA		1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	207.56	9.51
26 31 00 00-0165	EA		Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery.....	3,697.59	259.31
			Note: Tamper proof enclosure.		
<b>26 31 00 00-0166</b>			<b>Photovoltaic Mounting Systems</b> <small>(26 31)</small>		
26 31 00 00-0167	LF		Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard).....	11.82	2.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0168 EA Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229).....	31.09	12.00
26 31 00 00-0169 EA Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216) .....	41.15	12.00
26 31 00 00-0170 EA 8" x 3/8" Hanger Bolt (UNIRAC 310046).....	22.58	4.80
Note: Supports mounting rail above tile or metal roof.		
26 31 00 00-0171 EA Mounting Rail Grounding Clip (UNIRAC 980006).....	10.01	3.60
Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.		
26 31 00 00-0172 EA Mounting Rail Grounding Lugs (UNIRAC 980012) .....	23.04	4.80
Note: Two grounding lugs for each rail splice and one additional lug for each rail.		
26 31 00 00-0173 EA Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002) .....	6.01	1.60
Note: Four for each row of modules you plan to mount.		
26 31 00 00-0174 EA Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008).....	6.34	1.60
Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.		
26 31 00 00-0175 EA Photovoltaic Module Mount L-Feet (UNIRAC 310065) .....	15.24	4.80
26 31 00 00-0176 EA 12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121).....	93.25	24.01
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0177 EA 30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122).....	104.63	24.01
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0178 EA 44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123).....	113.80	24.01
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0179 EA 12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107).....	136.55	36.01
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0180 EA 44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108).....	170.70	36.01
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0181 EA 72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109).....	201.70	36.01
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0182 EA 18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111) .....	217.48	48.02
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0183 EA 64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112) .....	299.08	48.02
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0184 EA 104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110) .....	417.94	72.03
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0185 EA Ballasted Photovoltaic Module Frame (UNIRAC 310351) .....	203.59	
Note: Excludes ballast.		
26 31 00 00-0186 EA Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355).....	383.18	
Note: Excludes ballast.		
26 31 00 00-0187 EA 3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051).....	70.50	24.01
26 31 00 00-0188 EA 4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052).....	71.55	24.01
26 31 00 00-0189 EA 6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053).....	72.51	24.01
26 31 00 00-0190 EA 7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054).....	74.90	24.01
26 31 00 00-0191 EA 3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553).....	64.15	24.01
26 31 00 00-0192 EA 4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554).....	65.36	24.01
26 31 00 00-0193 EA 6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555).....	68.89	24.01
26 31 00 00-0194 EA 7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556).....	67.89	24.01
26 31 00 00-0195 EA 3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390) .....	140.97	36.01
26 31 00 00-0196 EA 4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391) .....	141.70	36.01
26 31 00 00-0197 EA 7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394) .....	143.85	36.01
26 31 00 00-0198 EA Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370) .....	141.61	36.01
26 31 00 00-0199 EA Photovoltaic Module Standoff Flashing (UNIRAC 990103).....	29.48	4.80
26 31 00 00-0200 EA Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161).....	18.49	4.80
26 31 00 00-0201 EA 1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100).....	36.17	7.20
26 31 00 00-0202 EA 3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100).....	37.81	7.20
26 31 00 00-0203 EA Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100).....	10.79	1.60
Note: Mid or end clamp.		
26 31 00 00-0204 EA Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024) .....	50.62	4.80
26 31 00 00-0205 EA Photovoltaic Module Wire Clip (UNIRAC 908002S-0100) .....	2.30	

## 26 32 Packaged Generator Assemblies (26 30)

### 26 32 13 Engine Generators (26 32)

See CSI section 23 13 23 13-0001 for fuel storage tanks.

### 26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)

See CSI section 01 22 23 00-0775 for fuel reimbursement for commissioning.

### 26 32 13 13-0001 Diesel Generator Sets (Cummins) (26 32 13 13)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0754 for loadbank rental, 01 22 23 00-0775 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0002 EA 25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA).....	30,592.07	861.84
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,791.44	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,275.18	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,033.57	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,199.84	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	17,696.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	23,595.14	
26 32 13 13-0003 EA 35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA).....	32,400.70	1,061.14
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,791.44	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,275.18	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,033.57	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,199.84	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	17,696.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	23,595.14	
26 32 13 13-0004 EA 40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB).....	33,392.40	1,163.48
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,791.44	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,275.18	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,033.57	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,199.84	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	17,696.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	23,595.14	
26 32 13 13-0005 EA 50 KW Diesel Generator Set, 3 Phase (Cummins DSFAC).....	39,203.94	1,335.85
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,791.44	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,275.18	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,033.57	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,199.84	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	17,696.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	23,595.14	
26 32 13 13-0006 EA 60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD).....	42,244.73	1,535.15
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,791.44	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,275.18	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,033.57	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,199.84	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	17,696.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	23,595.14	
26 32 13 13-0007 EA 80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE).....	49,642.26	1,799.08
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,791.44	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,275.18	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,033.57	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,199.84	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	17,696.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	23,595.14	
26 32 13 13-0008 EA 100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA).....	53,358.07	2,089.96
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,267.60	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,238.77	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	22,985.03	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	15,652.61	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,817.66	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,090.22	
26 32 13 13-0009 EA 125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB).....	54,546.43	2,477.78
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,267.60	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,238.77	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	22,985.03	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	15,652.61	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,817.66	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,090.22	
26 32 13 13-0010 EA 150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC).....	60,296.97	2,730.95
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,267.60	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,238.77	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	22,985.03	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	15,652.61	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,817.66	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,090.22	
26 32 13 13-0011 EA 175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB).....	63,362.38	3,048.75
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,267.60	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,238.77	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	22,985.03	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	15,652.61	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,817.66	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,090.22	
26 32 13 13-0012 EA 200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC).....	67,359.94	3,339.62
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,267.60	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,238.77	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	22,985.03	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	15,652.61	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,817.66	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,090.22	
26 32 13 13-0013 EA 230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD).....	72,668.14	3,528.15
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,267.60	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,238.77	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	22,985.03	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	15,652.61	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,817.66	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,090.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0014 EA 250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA) .....	75,760.13	3,673.58
For Weather Resistant Steel Diesel Generator Enclosure, Add	47,132.16	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	52,188.98	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	69,585.31	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	57,164.23	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	63,794.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	85,059.13	
26 32 13 13-0015 EA 275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA) .....	82,485.63	3,872.89
For Weather Resistant Steel Diesel Generator Enclosure, Add	47,132.16	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	52,188.98	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	69,585.31	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	57,164.23	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	63,794.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	85,059.13	
26 32 13 13-0016 EA 300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB) .....	84,256.78	4,045.25
For Weather Resistant Steel Diesel Generator Enclosure, Add	47,132.16	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	52,188.98	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	69,585.31	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	57,164.23	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	63,794.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	85,059.13	
26 32 13 13-0017 EA 350 KW Diesel Generator Set, 3 Phase (Cummins DFEG) .....	95,062.44	4,524.65
For Weather Resistant Steel Diesel Generator Enclosure, Add	47,132.16	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	52,188.98	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	69,585.31	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	57,164.23	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	63,794.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	85,059.13	
26 32 13 13-0018 EA 400 KW Diesel Generator Set, 3 Phase (Cummins DFEH) .....	102,369.70	4,955.56
For Weather Resistant Steel Diesel Generator Enclosure, Add	47,132.16	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	52,188.98	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	69,585.31	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	57,164.23	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	63,794.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	85,059.13	
26 32 13 13-0019 EA 450 KW Diesel Generator Set, 3 Phase (Cummins DFEJ) .....	115,683.25	5,338.01
For Weather Resistant Steel Diesel Generator Enclosure, Add	47,132.16	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	52,188.98	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	69,585.31	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	57,164.23	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	63,794.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	85,059.13	
26 32 13 13-0020 EA 500 KW Diesel Generator Set, 3 Phase (Cummins DFEK) .....	121,698.73	5,688.13
For Weather Resistant Steel Diesel Generator Enclosure, Add	47,132.16	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	52,188.98	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	69,585.31	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	57,164.23	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	63,794.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	85,059.13	
26 32 13 13-0021 EA 600 KW Diesel Generator Set, 3 Phase (Cummins DQCA) .....	177,312.98	6,264.49
For Weather Resistant Steel Diesel Generator Enclosure, Add	96,282.35	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	115,946.45	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	154,595.27	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	113,246.81	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	135,075.87	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	180,101.16	
26 32 13 13-0022 EA 750 KW Diesel Generator Set, 3 Phase (Cummins DQCB) .....	203,114.23	6,889.32
For Weather Resistant Steel Diesel Generator Enclosure, Add	96,282.35	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	115,946.45	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	154,595.27	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	113,246.81	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	135,075.87	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	180,101.16	
26 32 13 13-0023 EA 800 KW Diesel Generator Set, 3 Phase (Cummins DQCC) .....	212,130.74	7,040.14
For Weather Resistant Steel Diesel Generator Enclosure, Add	96,282.35	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	115,946.45	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	154,595.27	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	113,246.81	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	135,075.87	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	180,101.16	
26 32 13 13-0024 EA 900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC) .....	258,949.54	7,589.56
For Weather Resistant Steel Diesel Generator Enclosure, Add	96,282.35	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	115,946.45	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	154,595.27	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	113,246.81	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	135,075.87	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	180,101.16	
26 32 13 13-0025 EA 1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD) .....	289,262.35	8,079.74
For Weather Resistant Steel Diesel Generator Enclosure, Add	96,282.35	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	115,946.45	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	154,595.27	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	113,246.81	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	135,075.87	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	180,101.16	

**26 32 13 19 Natural Gas-Engine-Driven Generator Sets** (26 32 13)

**26 Electrical**  
**26 30 Facility Electrical Power Generating and Storing Equipment**  
**26 32 Packaged Generator Assemblies**



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 32 13 19-0001	Natural Gas Or Propane Generator Sets (Cummins) <sup>(26 32 13 19)</sup>		
	Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0754 for loadbank rental, 01 22 23 00-0775 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.		
26 32 13 19-0002	EA 20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA).....	12,981.53	721.79
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,357.89	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,275.18	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,033.57	
	For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,719.91	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	7,830.79	
26 32 13 19-0003	EA 25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB).....	14,662.72	861.84
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,357.89	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,275.18	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,033.57	
	For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,719.91	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	7,830.79	
26 32 13 19-0004	EA 29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC).....	16,934.27	958.80
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,357.89	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,275.18	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,033.57	
	For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,719.91	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	7,830.79	
26 32 13 19-0005	EA 35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA).....	19,218.10	1,061.14
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,357.89	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,275.18	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,033.57	
	For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	13,350.75	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	22,408.45	
26 32 13 19-0006	EA 40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB).....	21,575.43	1,163.48
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,357.89	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,275.18	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,033.57	
	For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	13,350.75	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	22,408.45	
26 32 13 19-0007	EA 45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC).....	23,386.17	1,255.06
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,357.89	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,275.18	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,033.57	
	For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	13,350.75	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	22,408.45	
26 32 13 19-0008	EA 60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE).....	25,573.99	1,535.15
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,357.89	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,275.18	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,033.57	
	For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	13,350.75	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	22,408.45	
26 32 13 19-0009	EA 70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF).....	27,437.36	1,718.29
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,357.89	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,275.18	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,033.57	
	For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	13,350.75	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	22,408.45	
26 32 13 19-0010	EA 85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG).....	36,062.93	1,836.80
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	7,942.51	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	17,238.77	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	22,985.03	
	For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	15,652.61	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	22,408.45	
26 32 13 19-0011	EA 100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH).....	43,474.63	2,068.41
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	7,942.51	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	17,238.77	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	22,985.03	
	For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	15,652.61	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	22,408.45	
26 32 13 19-0012	EA 125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGGLA).....	49,778.66	2,477.78
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	7,942.51	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	17,238.77	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	22,985.03	
	For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	15,652.61	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	22,408.45	
26 32 13 19-0013	EA 150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGGLB).....	59,191.08	2,730.95
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	7,942.51	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	17,238.77	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	22,985.03	
	For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	15,652.61	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	22,408.45	
26 32 13 19-0014	EA 175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA).....	95,894.73	7,264.12
	For Weather Resistant Steel Natural Gas Generator Enclosure, Add	42,385.42	
	For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	46,919.30	
	For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	62,559.06	
	For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	46,343.27	
	For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	69,542.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0015 EA 205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	108,885.24 42,385.42 46,919.30 62,559.06 46,343.27 69,542.84	3,280.38
26 32 13 19-0016 EA 250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	117,077.15 42,385.42 46,919.30 62,559.06 46,343.27 69,542.84	3,673.58
26 32 13 19-0017 EA 300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	151,489.06 42,385.42 46,919.30 62,559.06 46,343.27 69,542.84	4,045.25
26 32 13 19-0018 EA 350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	162,590.97 42,385.42 46,919.30 62,559.06 46,343.27 69,542.84	4,524.65
26 32 13 19-0019 EA 450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	228,538.73 92,550.21 98,333.91 131,111.88 105,121.02 148,572.46	5,338.01
26 32 13 19-0020 EA 500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	292,390.92 92,550.21 98,333.91 131,111.88 105,121.02 148,572.46	5,688.13
26 32 13 19-0021 EA 550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	327,218.26 92,550.21 98,333.91 131,111.88 105,121.02 148,572.46	5,995.16
26 32 13 19-0022 EA 600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	372,773.85 92,550.21 98,333.91 131,111.88 105,121.02 148,572.46	6,264.49
26 32 13 19-0023 EA 650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	389,780.74 92,550.21 98,333.91 131,111.88 105,121.02 148,572.46	6,501.50
26 32 13 19-0024 EA 725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	412,272.77 92,550.21 98,333.91 131,111.88 105,121.02 148,572.46	6,948.57
<b>26 32 13 19-0025 Small Natural Gas Or Propane Air Cooled Generator Sets</b> <small>(26 32 13 19)</small>		
26 32 13 19-0026 EA 7.5 KW Natural Gas Or Propane Air Cooled Generator Set ..... Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	4,341.82	446.54
26 32 13 19-0027 EA 10 KW Natural Gas Or Propane Air Cooled Generator Set ..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	5,492.60	496.17
26 32 13 19-0028 EA 14 KW Natural Gas Or Propane Air Cooled Generator Set ..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	6,308.97	529.31
<b>26 32 29 Rotary Converters</b> <small>(26 32)</small>		
<b>26 32 29 00-0001 60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output</b> <small>(26 32 29)</small>		
26 32 29 00-0002 EA 3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	9,371.79	192.09
26 32 29 00-0003 EA 5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	11,439.17	192.09
26 32 29 00-0004 EA 7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	15,189.03	192.09
26 32 29 00-0005 EA 10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	15,309.37	192.09
26 32 29 00-0006 EA 15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	16,979.04	240.10
26 32 29 00-0007 EA 20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	18,399.52	240.10
26 32 29 00-0008 EA 25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	19,273.04	240.10
26 32 29 00-0009 EA 40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	23,453.74	316.93
26 32 29 00-0010 EA 50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	26,087.18	316.93



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>26 32 29 00-0011</b>	<b>60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output</b> <small>(26 32 29)</small>		
26 32 29 00-0012	EA 3 KW, 12 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	10,868.47	192.09
26 32 29 00-0013	EA 5 KW, 20 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	12,981.20	192.09
26 32 29 00-0014	EA 7.5 KW, 30 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	14,863.39	192.09
26 32 29 00-0015	EA 10 KW, 40 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	15,278.83	192.09
26 32 29 00-0016	EA 15 KW, 60 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	17,293.34	240.10
26 32 29 00-0017	EA 20 KW, 80 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	19,032.21	240.10
26 32 29 00-0018	EA 25 KW, 100 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	19,664.90	240.10
26 32 29 00-0019	EA 40 KW, 160 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	23,359.86	316.93
26 32 29 00-0020	EA 50 KW, 200 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	24,792.59	316.93
<b>26 32 29 00-0021</b>	<b>460 Volt 3 Phase AC Motor Drive 250 Volt DC</b> <small>(26 32 29)</small>		
26 32 29 00-0022	EA 33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	25,794.73	3,770.54
26 32 29 00-0023	EA 40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	28,440.11	3,770.54
26 32 29 00-0024	EA 50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	32,261.67	5,386.49
26 32 29 00-0025	EA 65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	37,841.92	5,386.49
26 32 29 00-0026	EA 85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	43,111.38	5,386.49
26 32 29 00-0027	EA 100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	50,359.52	8,079.74
26 32 29 00-0028	EA 125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	60,737.09	8,079.74
<b>26 32 29 00-0029</b>	<b>4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC</b> <small>(26 32 29)</small>		
26 32 29 00-0030	EA 170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	90,421.77	10,772.98
26 32 29 00-0031	EA 200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	98,458.78	10,772.98
26 32 29 00-0032	EA 240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	118,543.76	14,004.87
26 32 29 00-0033	EA 320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	134,630.73	17,021.30
26 32 29 00-0034	EA 400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	159,835.91	17,021.30
26 32 29 00-0035	EA 560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	227,128.68	25,424.22
26 32 29 00-0036	EA 640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	234,345.63	25,424.22
26 32 29 00-0037	EA 800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	270,302.45	29,625.69

## 26 33 Battery Equipment (26 30)

### 26 33 13 Batteries (26 33)

#### 26 33 13 00-0001 Standby Batteries (26 33 13)

26 33 13 00-0002	EA 12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery.....	1,147.69	24.06
26 33 13 00-0003	EA 12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket.....	1,240.87	24.06
26 33 13 00-0004	EA 725CCA, Group 31, 12 Volt Lead Calcium Standby Battery .....	320.94	24.06
26 33 13 00-0005	EA 810CCA, Group 24, 12 Volt Lead Calcium Standby Battery .....	290.93	24.06
26 33 13 00-0006	EA 1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery .....	504.89	24.06
26 33 13 00-0007	EA 1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery .....	587.80	24.06

### 26 33 43 Battery Chargers (26 33)

#### 26 33 43 00-0001 Solid State Chargers, Single Phase (26 33 43)

Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.

26 33 43 00-0002	EA Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	3,042.52	548.32
26 33 43 00-0003	EA Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	3,575.83	548.32
26 33 43 00-0004	EA Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	3,940.56	548.32
26 33 43 00-0005	EA Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	4,157.28	649.20

### 26 33 53 Static Uninterruptible Power Supply (26 33)

#### 26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)

#### 26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53 00-0001)

#### 26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0004	EA 0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120).....	997.76	95.09
26 33 53 00-0005	EA 0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120).....	1,192.86	110.93
26 33 53 00-0006	EA 1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120).....	1,474.12	126.77
26 33 53 00-0007	EA 1.5 kVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120).....	1,805.51	142.62
26 33 53 00-0008	EA 2 kVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120).....	2,326.27	158.47





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0009 EA 3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120) ..... Note: Includes 4 minutes of battery backup at full load.	3,771.67	190.16
<b>26 33 53 00-0010 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)</b> Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011 EA 3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208) ..... Note: Includes 4 minutes of battery backup at full load.	3,700.88	190.16
<b>26 33 53 00-0012 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)</b> Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013 EA 5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208) ..... Note: Includes 5 minutes of battery backup at full load.	5,724.32	253.55
26 33 53 00-0014 EA 6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208) ..... Note: Includes 4 minutes of battery backup at full load.	6,256.92	285.25
26 33 53 00-0015 EA 8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208) ..... Note: Includes 7 minutes of battery backup at full load.	9,385.91	348.63
26 33 53 00-0016 EA 10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208) ..... Note: Includes 4-1/2 minutes of battery backup at full load.	10,797.10	380.32
<b>26 33 53 00-0017 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)</b> Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018 EA 0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230) ..... Note: Includes 11 minutes of battery backup at full load.	1,192.86	110.93
26 33 53 00-0019 EA 1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230) ..... Note: Includes 6 minutes of battery backup at full load.	1,474.12	126.77
26 33 53 00-0020 EA 1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230)..... Note: Includes 4 minutes of battery backup at full load.	1,826.42	142.62
26 33 53 00-0021 EA 2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230) ..... Note: Includes 4 minutes of battery backup at full load.	2,331.31	158.47
26 33 53 00-0022 EA 3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230) ..... Note: Includes 4 minutes of battery backup at full load.	3,787.39	190.16
26 33 53 00-0023 EA 5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230) ..... Note: Includes 9 minutes of battery backup at full load.	5,487.91	253.55
26 33 53 00-0024 EA 6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230) ..... Note: Includes 6 minutes of battery backup at full load.	6,748.42	285.25
26 33 53 00-0025 EA 10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230)..... Note: Includes 3 minutes of battery backup at full load.	10,459.16	380.32
<b>26 33 53 00-0026 Optional Accessories For Single Phase, Uninterruptible Power Supply Systems (26 33 53 00-0001)</b>		
26 33 53 00-0027 EA External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT)..... Note: Rack mount or tower configuration.	678.78	28.81
26 33 53 00-0028 EA External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT)..... Note: Rack mount or tower configuration.	891.43	28.81
26 33 53 00-0029 EA External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT)..... Note: Rack mount or tower configuration.	867.76	28.81
26 33 53 00-0030 EA External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT)..... Note: Rack mount or tower configuration.	587.18	28.81
26 33 53 00-0031 EA Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT).....	842.22	95.09
26 33 53 00-0032 EA Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT).....	938.26	126.77
<b>26 33 53 00-0033 Three Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)</b>		

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 33 53 00-0034	208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery <small>(26 33 53 00-0033)</small>		
	Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035	EA 10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	39,998.12	380.32
26 33 53 00-0036	EA 15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	44,229.31	507.09
26 33 53 00-0037	EA 20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	49,398.80	633.87
26 33 53 00-0038	EA 30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	53,536.16	760.64
26 33 53 00-0039	EA 40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	64,429.28	887.42
26 33 53 00-0040	208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery <small>(26 33 53 00-0033)</small>		
	Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0041	EA 60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	87,267.56	1,512.64
26 33 53 00-0042	EA 80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	94,689.29	1,872.79
26 33 53 00-0043	EA 100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	104,657.38	2,184.94
26 33 53 00-0044	EA 120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	129,439.55	2,473.05
26 33 53 00-0045	EA 140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	134,246.99	2,761.17
26 33 53 00-0046	EA 160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	139,597.50	3,049.30
26 33 53 00-0047	EA 180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	146,073.99	3,337.42
26 33 53 00-0048	EA 200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	152,550.47	3,625.54
26 33 53 00-0049	480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery <small>(26 33 53 00-0033)</small>		
	Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050	EA 60 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	81,508.87	1,248.53
26 33 53 00-0051	EA 100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	105,220.36	2,194.53
26 33 53 00-0052	EA 150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	144,112.09	2,535.48
26 33 53 00-0053	EA 200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	169,926.39	2,785.19
26 33 53 00-0054	EA 250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	198,930.92	3,073.31
26 33 53 00-0055	Optional Accessories For Three Phase, Uninterruptible Power Supply Systems <small>(26 33 53 00-0033)</small>		
26 33 53 00-0056	EA Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems.....	599.68	48.02
26 33 53 00-0057	EA Network Interface Card For Three Phase Uninterruptible Power Supply Systems.....	972.77	48.02
26 33 53 00-0058	EA Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems.....	1,841.55	96.04
26 33 53 00-0059	EA Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems.....	5,687.07	384.16
26 33 53 00-0060	EA 12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR).....	606.96	48.02
26 33 53 00-0061	EA 12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	328.57	48.02
26 33 53 00-0062	EA 12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	369.19	48.02
26 33 53 00-0063	EA 12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	409.82	48.02
26 33 53 00-0064	EA 12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350).....	482.94	48.02
26 33 53 00-0065	EA 12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400).....	507.31	48.02
26 33 53 00-0066	EA 12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500).....	633.25	48.02
26 33 53 00-0067	EA 12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540).....	663.72	48.02
26 33 53 00-0068	Other Uninterruptable Power Supply Equipment <small>(26 33 53)</small>		
26 33 53 00-0069	EA Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In.....	5,959.69	87.73
26 33 53 00-0070	EA Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In.....	7,132.44	175.46
26 33 53 00-0071	EA 1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	28.47	5.27
26 33 53 00-0072	EA 2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	53.05	6.58
26 33 53 00-0073	EA 2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	102.92	6.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0074 EA 3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	151.19	8.77
26 33 53 00-0075 EA 3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	217.01	8.77
26 33 53 00-0076 EA Uninterrupted Power Supply Remote Status Panel.....	4,064.86	87.73
26 33 53 00-0077 EA Uninterrupted Power Supply Remote Contact Board.....	1,328.32	65.80

**26 35 Power Filters and Conditioners** (26 30)

**26 35 33 Power Factor Correction Equipment** (26 35)

**26 35 33 16 Low-Voltage Power Factor Correction Equipment** (26 35 33)

**26 35 33 16-0001 Power Factor Correction Capacitors** (26 35 33 16)

26 35 33 16-0002 EA Power Factor Correction Capacitors, 2.0 KVAC .....	710.08	
26 35 33 16-0003 EA Power Factor Correction Capacitors, 3.0 KVAC .....	786.43	
26 35 33 16-0004 EA Power Factor Correction Capacitors, 4.0 KVAC .....	862.78	
26 35 33 16-0005 EA Power Factor Correction Capacitors, 5.0 KVAC .....	936.08	
26 35 33 16-0006 EA Power Factor Correction Capacitors, 7.5 KVAC .....	1,149.87	
26 35 33 16-0007 EA Power Factor Correction Capacitors, 10.0 KVAC .....	1,404.89	
26 35 33 16-0008 EA Power Factor Correction Capacitors, 15.0 KVAC .....	2,169.94	
26 35 33 16-0009 EA Power Factor Correction Capacitors, 20.0 KVAC .....	2,635.69	
26 35 33 16-0010 EA Power Factor Correction Capacitors, 25.0 KVAC .....	3,405.33	
26 35 33 16-0011 EA Power Factor Correction Capacitors, 30.0 KVAC .....	3,872.60	
26 35 33 16-0012 EA Power Factor Correction Capacitors, 50.0 KVAC .....	6,795.38	
26 35 33 16-0013 EA Power Factor Correction Capacitors, 75.0 KVAC .....	10,217.50	
26 35 33 16-0014 EA Power Factor Correction Capacitors, 100.0 KVAC .....	13,624.36	
26 35 33 16-0015 EA Power Factor Correction Capacitors, Fuse Kit.....	632.20	

**26 35 43 Static-Frequency Converters** (26 35)

**26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure** (26 35 43)

26 35 43 00-0002 EA 750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure.....	648.55	96.04
26 35 43 00-0003 EA 2 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,146.00	115.25
26 35 43 00-0004 EA 3 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,311.60	153.67
26 35 43 00-0005 EA 5 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,806.27	192.09
26 35 43 00-0006 EA 7 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,495.14	249.71
26 35 43 00-0007 EA 11 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,231.82	307.33
26 35 43 00-0008 EA 15 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,064.11	364.96
26 35 43 00-0009 EA 21 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,972.77	412.97
26 35 43 00-0010 EA 29 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	5,767.08	499.41
26 35 43 00-0011 EA 36 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	6,608.96	561.84
26 35 43 00-0012 EA 44 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	7,450.84	624.26
26 35 43 00-0013 EA 55 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	9,263.71	753.92
26 35 43 00-0014 EA 74 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	12,080.65	907.58
26 35 43 00-0015 EA 87 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	15,342.53	1,104.47
26 35 43 00-0016 EA 110 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	17,533.58	1,291.75
26 35 43 00-0017 EA 125 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	22,707.12	1,440.62
26 35 43 00-0018 EA 165 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	35,041.79	1,632.69
26 35 43 00-0019 EA 220 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	52,634.68	1,824.78

**26 35 53 Voltage Regulators** (26 35)

**26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase** (26 35 53)

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002 EA 50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	6,306.64	1,527.05
26 35 53 00-0003 EA 75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	7,101.30	1,920.82
26 35 53 00-0004 EA 100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	7,833.04	2,285.78

**26 36 Transfer Switches** (26 30)

**26 36 13 Manual Transfer Switches** (26 36)

**26 36 13 00-0001 Fused Manual Transfer Switches** (26 36 13)

26 36 13 00-0002 EA 30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,256.85	168.07
26 36 13 00-0003 EA 60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,457.67	208.79

**26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure**

(26 36 13)

26 36 13 00-0005 EA 40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	3,191.04	248.08
For NEMA 3R Enclosure, Add	1,060.50	
For NEMA 12 Enclosure, Add	998.11	
26 36 13 00-0006 EA 70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	3,523.61	297.70
For NEMA 3R Enclosure, Add	1,060.50	
For NEMA 12 Enclosure, Add	998.11	
26 36 13 00-0007 EA 125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	3,994.58	347.31
For NEMA 3R Enclosure, Add	1,060.50	
For NEMA 12 Enclosure, Add	998.11	

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 36 Transfer Switches**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 13 00-0008	EA		150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150).....	4,977.66	396.93
			<i>For NEMA 3R Enclosure, Add</i>	1,247.64	
			<i>For NEMA 12 Enclosure, Add</i>	998.11	
26 36 13 00-0009	EA		225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225).....	6,184.46	446.54
			<i>For NEMA 3R Enclosure, Add</i>	1,247.64	
			<i>For NEMA 12 Enclosure, Add</i>	998.11	
26 36 13 00-0010	EA		260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260).....	6,956.26	496.17
			<i>For NEMA 3R Enclosure, Add</i>	1,247.64	
			<i>For NEMA 12 Enclosure, Add</i>	998.11	
26 36 13 00-0011	EA		300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300).....	7,740.66	545.78
			<i>For NEMA 3R Enclosure, Add</i>	1,472.21	
			<i>For NEMA 12 Enclosure, Add</i>	1,247.64	
26 36 13 00-0012	EA		400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400).....	9,111.83	595.39
			<i>For NEMA 3R Enclosure, Add</i>	1,472.21	
			<i>For NEMA 12 Enclosure, Add</i>	1,247.64	
26 36 13 00-0013	EA		600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600).....	12,073.51	744.24
			<i>For NEMA 3R Enclosure, Add</i>	1,472.21	
			<i>For NEMA 12 Enclosure, Add</i>	1,247.64	
26 36 13 00-0014	EA		800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800).....	13,553.93	893.09
			<i>For NEMA 3R Enclosure, Add</i>	1,809.07	
			<i>For NEMA 12 Enclosure, Add</i>	1,746.70	
26 36 13 00-0015	EA		1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000).....	18,103.88	1,292.76
			<i>For NEMA 3R Enclosure, Add</i>	1,809.07	
			<i>For NEMA 12 Enclosure, Add</i>	1,746.70	

**26 36 23 Automatic Transfer Switches (26 36)**

26 36 23 00-0001 Automatic Transfer Switch (26 36 23)

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA		100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire .....	2,818.09	347.31
26 36 23 00-0004	EA		225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire .....	3,847.47	446.54
26 36 23 00-0005	EA		400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire .....	6,176.32	595.39
26 36 23 00-0006	EA		600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire .....	10,163.35	744.24

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)

26 36 23 00-0008	EA		40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40).....	4,822.15	248.08
			<i>For NEMA 3R Enclosure, Add</i>	1,060.50	
			<i>For NEMA 4 Enclosure, Add</i>	1,122.88	
			<i>For NEMA 12 Enclosure, Add</i>	1,122.88	
26 36 23 00-0009	EA		70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70).....	5,560.76	297.70
			<i>For NEMA 3R Enclosure, Add</i>	1,060.50	
			<i>For NEMA 4 Enclosure, Add</i>	1,122.88	
			<i>For NEMA 12 Enclosure, Add</i>	1,122.88	
26 36 23 00-0010	EA		125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125).....	6,101.51	347.31
			<i>For NEMA 3R Enclosure, Add</i>	1,060.50	
			<i>For NEMA 4 Enclosure, Add</i>	1,122.88	
			<i>For NEMA 12 Enclosure, Add</i>	1,122.88	
26 36 23 00-0011	EA		150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150).....	7,267.95	396.93
			<i>For NEMA 3R Enclosure, Add</i>	1,247.64	
			<i>For NEMA 4 Enclosure, Add</i>	1,621.93	
			<i>For NEMA 12 Enclosure, Add</i>	1,122.88	
26 36 23 00-0012	EA		225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225).....	8,302.84	446.54
			<i>For NEMA 3R Enclosure, Add</i>	1,247.64	
			<i>For NEMA 4 Enclosure, Add</i>	1,621.93	
			<i>For NEMA 12 Enclosure, Add</i>	1,122.88	
26 36 23 00-0013	EA		260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260).....	9,160.42	496.17
			<i>For NEMA 3R Enclosure, Add</i>	1,247.64	
			<i>For NEMA 4 Enclosure, Add</i>	1,621.93	
			<i>For NEMA 12 Enclosure, Add</i>	1,122.88	
26 36 23 00-0014	EA		300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300).....	9,555.92	545.78
			<i>For NEMA 3R Enclosure, Add</i>	1,472.21	
			<i>For NEMA 4 Enclosure, Add</i>	1,746.70	
			<i>For NEMA 12 Enclosure, Add</i>	1,247.64	
26 36 23 00-0015	EA		400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400).....	10,819.57	595.39
			<i>For NEMA 3R Enclosure, Add</i>	1,472.21	
			<i>For NEMA 4 Enclosure, Add</i>	1,746.70	
			<i>For NEMA 12 Enclosure, Add</i>	1,247.64	
26 36 23 00-0016	EA		600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600).....	14,869.04	744.24
			<i>For NEMA 3R Enclosure, Add</i>	1,472.21	
			<i>For NEMA 4 Enclosure, Add</i>	1,746.70	
			<i>For NEMA 12 Enclosure, Add</i>	1,247.64	
26 36 23 00-0017	EA		800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800).....	16,641.13	893.09
			<i>For NEMA 3R Enclosure, Add</i>	1,809.07	
			<i>For NEMA 4 Enclosure, Add</i>	1,996.23	
			<i>For NEMA 12 Enclosure, Add</i>	1,746.70	
26 36 23 00-0018	EA		1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000).....	21,712.66	1,292.76
			<i>For NEMA 3R Enclosure, Add</i>	1,809.07	
			<i>For NEMA 4 Enclosure, Add</i>	1,996.23	
			<i>For NEMA 12 Enclosure, Add</i>	1,746.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0019 EA 1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200).....	28,324.30	1,400.49
<i>For NEMA 3R Enclosure, Add</i>	3,992.45	
<i>For NEMA 4 Enclosure, Add</i>	2,245.75	
<i>For NEMA 12 Enclosure, Add</i>	1,871.46	
26 36 23 00-0020 EA 1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600).....	30,133.55	1,615.95
<i>For NEMA 3R Enclosure, Add</i>	6,487.71	
<i>For NEMA 4 Enclosure, Add</i>	7,984.88	
<i>For NEMA 12 Enclosure, Add</i>	6,487.71	
26 36 23 00-0021 EA 2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000).....	34,462.43	1,831.40
<i>For NEMA 3R Enclosure, Add</i>	6,487.71	
<i>For NEMA 4 Enclosure, Add</i>	7,984.88	
<i>For NEMA 12 Enclosure, Add</i>	6,487.71	
26 36 23 00-0022 EA 3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000).....	41,595.57	2,262.33
<i>For NEMA 3R Enclosure, Add</i>	6,487.71	
26 36 23 00-0023 EA 4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000).....	72,840.98	2,693.25
<i>For NEMA 3R Enclosure, Add</i>	12,027.21	
<b>26 36 23 00-0024 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure</b> <small>(26 36 23 00-0001)</small>		
26 36 23 00-0025 EA 150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150).....	23,600.10	1,885.42
<i>For NEMA 3R Enclosure, Add</i>	2,183.38	
<i>For NEMA 4 Enclosure, Add</i>	2,245.75	
<i>For NEMA 12 Enclosure, Add</i>	1,185.27	
26 36 23 00-0026 EA 225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225).....	24,624.64	1,984.65
<i>For NEMA 3R Enclosure, Add</i>	2,183.38	
<i>For NEMA 4 Enclosure, Add</i>	2,245.75	
<i>For NEMA 12 Enclosure, Add</i>	1,185.27	
26 36 23 00-0027 EA 260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260).....	25,811.44	2,083.88
<i>For NEMA 3R Enclosure, Add</i>	2,183.38	
<i>For NEMA 4 Enclosure, Add</i>	2,245.75	
<i>For NEMA 12 Enclosure, Add</i>	1,185.27	
26 36 23 00-0028 EA 300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300).....	28,940.41	2,133.49
<i>For NEMA 3R Enclosure, Add</i>	2,183.38	
<i>For NEMA 4 Enclosure, Add</i>	2,245.75	
<i>For NEMA 12 Enclosure, Add</i>	1,185.27	
26 36 23 00-0029 EA 400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400).....	33,593.36	2,183.12
<i>For NEMA 3R Enclosure, Add</i>	2,183.38	
<i>For NEMA 4 Enclosure, Add</i>	2,245.75	
<i>For NEMA 12 Enclosure, Add</i>	1,185.27	
26 36 23 00-0030 EA 600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600).....	40,568.75	2,282.34
<i>For NEMA 3R Enclosure, Add</i>	2,183.38	
<i>For NEMA 4 Enclosure, Add</i>	2,245.75	
<i>For NEMA 12 Enclosure, Add</i>	1,247.64	
26 36 23 00-0031 EA 800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800).....	44,815.79	2,381.58
<i>For NEMA 3R Enclosure, Add</i>	2,245.75	
<i>For NEMA 4 Enclosure, Add</i>	2,245.75	
<i>For NEMA 12 Enclosure, Add</i>	1,372.41	
26 36 23 00-0032 EA 1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000).....	56,458.34	2,778.51
<i>For NEMA 3R Enclosure, Add</i>	2,245.75	
<i>For NEMA 4 Enclosure, Add</i>	2,245.75	
<i>For NEMA 12 Enclosure, Add</i>	1,372.41	
26 36 23 00-0033 EA 1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200).....	74,607.02	3,231.89
<i>For NEMA 3R Enclosure, Add</i>	9,981.09	
<i>For NEMA 4 Enclosure, Add</i>	12,476.36	
<i>For NEMA 12 Enclosure, Add</i>	9,981.09	
26 36 23 00-0034 EA 1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600).....	97,792.07	3,447.36
<i>For NEMA 3R Enclosure, Add</i>	21,209.80	
<i>For NEMA 4 Enclosure, Add</i>	21,209.80	
<i>For NEMA 12 Enclosure, Add</i>	19,762.55	
26 36 23 00-0035 EA 2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000).....	111,124.64	3,770.54
<i>For NEMA 3R Enclosure, Add</i>	21,209.80	
<i>For NEMA 4 Enclosure, Add</i>	21,209.80	
<i>For NEMA 12 Enclosure, Add</i>	19,762.55	
26 36 23 00-0036 EA 3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....	178,748.26	4,309.19
<i>For NEMA 3R Enclosure, Add</i>	26,200.34	
26 36 23 00-0037 EA 4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000).....	192,823.02	4,847.84
<i>For NEMA 3R Enclosure, Add</i>	26,200.34	
<b>26 36 23 00-0038 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure</b> <small>(26 36 23 00-0001)</small>		
26 36 23 00-0039 EA 40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40).....	7,969.97	248.08
<i>For NEMA 3R Enclosure, Add</i>	623.82	
<i>For NEMA 12 Enclosure, Add</i>	1,122.88	

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 36 Transfer Switches**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0040 EA 70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	8,599.93	297.70
For NEMA 3R Enclosure, Add	623.82	
For NEMA 12 Enclosure, Add	1,122.88	
26 36 23 00-0041 EA 125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	9,228.77	347.31
For NEMA 3R Enclosure, Add	623.82	
For NEMA 12 Enclosure, Add	1,122.88	
26 36 23 00-0042 EA 150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	11,096.35	396.93
For Four Pole Circuit Breaker, Add	3,119.09	
For NEMA 3R Enclosure, Add	623.82	
For NEMA 12 Enclosure, Add	1,122.88	
26 36 23 00-0043 EA 225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	14,494.39	446.54
For Four Pole Circuit Breaker, Add	3,119.09	
For NEMA 3R Enclosure, Add	623.82	
For NEMA 12 Enclosure, Add	1,122.88	
26 36 23 00-0044 EA 250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	15,418.32	496.17
For Four Pole Circuit Breaker, Add	3,119.09	
For NEMA 3R Enclosure, Add	623.82	
For NEMA 12 Enclosure, Add	1,122.88	
26 36 23 00-0045 EA 300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	16,015.14	545.78
For Four Pole Circuit Breaker, Add	4,241.96	
For NEMA 3R Enclosure, Add	1,621.93	
For NEMA 12 Enclosure, Add	1,247.64	
26 36 23 00-0046 EA 400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	18,137.80	595.39
For Four Pole Circuit Breaker, Add	4,241.96	
For NEMA 3R Enclosure, Add	1,621.93	
For NEMA 12 Enclosure, Add	1,247.64	
26 36 23 00-0047 EA 600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	21,993.96	744.24
For Four Pole Circuit Breaker, Add	4,241.96	
For NEMA 3R Enclosure, Add	1,621.93	
For NEMA 12 Enclosure, Add	1,247.64	
26 36 23 00-0048 EA 800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	22,836.12	893.09
For Four Pole Circuit Breaker, Add	6,051.04	
For NEMA 3R Enclosure, Add	2,794.71	
For NEMA 12 Enclosure, Add	1,746.70	
26 36 23 00-0049 EA 1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	27,065.80	1,292.76
For Four Pole Circuit Breaker, Add	6,051.04	
For NEMA 3R Enclosure, Add	2,794.71	
For NEMA 12 Enclosure, Add	1,746.70	
<b>26 36 23 00-0050 Accessories</b> <small>(26 36 23)</small>		
26 36 23 00-0051 EA Auxiliary Contacts For Automatic Transfer Switch.....	289.46	
26 36 23 00-0052 EA Battery Charger For Automatic Transfer Switch.....	2,370.52	
26 36 23 00-0053 EA Elevator Relay Signal For Automatic Transfer Switch.....	860.88	
<b>26 40 Electrical And Cathodic Protection</b> <small>(26)</small>		
<b>26 43 Surge Protective Devices</b> <small>(26 40)</small>		
<b>26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits</b> <small>(26 43)</small>		
<b>26 43 13 00-0001 25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression</b> <small>(26 43 13)</small>		
Note: Liebert LPL		
26 43 13 00-0002 EA 120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	213.62	24.01
26 43 13 00-0003 EA 208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	230.42	24.01
26 43 13 00-0004 EA 240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	240.02	28.81
26 43 13 00-0005 EA 277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	199.22	19.20
26 43 13 00-0006 EA 480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	240.02	28.81
<b>26 43 13 00-0007 50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression</b> <small>(26 43 13)</small>		
Note: Liebert LPL		
26 43 13 00-0008 EA 120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	296.42	24.01
26 43 13 00-0009 EA 208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	315.62	28.81
26 43 13 00-0010 EA 208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	306.02	24.01
26 43 13 00-0011 EA 480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	315.62	28.81
<b>26 43 13 00-0012 100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression</b> <small>(26 43 13)</small>		
Note: Liebert LPL		
26 43 13 00-0013 EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	358.82	24.01
26 43 13 00-0014 EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	378.02	28.81
26 43 13 00-0015 EA 277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	334.82	19.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0016 EA 480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor .....	378.02	28.81
<b>26 43 13 00-0017 100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression</b> <small>(26 43 13)</small>		
<i>Note: Liebert LPM</i>		
26 43 13 00-0018 EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	423.62	24.01
26 43 13 00-0019 EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor .....	477.62	28.81
26 43 13 00-0020 EA 277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor .....	400.82	19.20
<b>26 43 13 00-0021 160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression</b> <small>(26 43 13)</small>		
<i>Note: Liebert LPM</i>		
26 43 13 00-0022 EA 208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	747.62	28.81
26 43 13 00-0023 EA 208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor .....	738.02	24.01
26 43 13 00-0024 EA 480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor .....	747.62	28.81
<b>26 43 13 00-0025 250 kA, 500 Joule Transient Voltage Surge Suppression</b> <small>(26 43 13)</small>		
<i>Note: Liebert Interceptor Hybrid.</i>		
26 43 13 00-0026 EA LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	7,620.89	48.02
26 43 13 00-0027 EA Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor .....	9,327.05	48.02
<b>26 43 13 00-0028 Class 1310 Transient Voltage Surge Suppression</b> <small>(26 43 13)</small>		
<i>Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.</i>		
<b>26 43 13 00-0029 NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor</b> <small>(26 43 13 00-0029)</small>		
<i>Note: Square D. EMA series.</i>		
26 43 13 00-0030 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,494.10	124.85
<i>For Integral Disconnect, Add</i>		
<i>For Surge Counter, Add</i>		
26 43 13 00-0031 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,853.63	144.06
<i>For Integral Disconnect, Add</i>		
<i>For Surge Counter, Add</i>		
26 43 13 00-0032 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,631.45	168.07
<i>For Integral Disconnect, Add</i>		
<i>For Surge Counter, Add</i>		
26 43 13 00-0033 EA 320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,492.68	192.09
<i>For Integral Disconnect, Add</i>		
<i>For Surge Counter, Add</i>		
26 43 13 00-0034 EA 480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,087.77	264.12
<i>For Integral Disconnect, Add</i>		
<i>For Surge Counter, Add</i>		
26 43 13 00-0035 EA 120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,646.10	124.85
<i>For Integral Disconnect, Add</i>		
<i>For Surge Counter, Add</i>		
26 43 13 00-0036 EA 160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,020.61	144.06
<i>For Integral Disconnect, Add</i>		
<i>For Surge Counter, Add</i>		
26 43 13 00-0037 EA 240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,889.43	168.07
<i>For Integral Disconnect, Add</i>		
<i>For Surge Counter, Add</i>		
26 43 13 00-0038 EA 320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,827.72	192.09
<i>For Integral Disconnect, Add</i>		
<i>For Surge Counter, Add</i>		
26 43 13 00-0039 EA 480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,604.77	264.12
<i>For Integral Disconnect, Add</i>		
<i>For Surge Counter, Add</i>		
26 43 13 00-0040 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,646.10	124.85
<i>For Integral Disconnect, Add</i>		
<i>For Surge Counter, Add</i>		
26 43 13 00-0041 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,020.61	144.06
<i>For Integral Disconnect, Add</i>		
<i>For Surge Counter, Add</i>		
26 43 13 00-0042 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,889.38	168.07
<i>For Integral Disconnect, Add</i>		
<i>For Surge Counter, Add</i>		
26 43 13 00-0043 EA 320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,827.72	192.09
<i>For Integral Disconnect, Add</i>		
<i>For Surge Counter, Add</i>		
26 43 13 00-0044 EA 480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,604.77	264.12
<i>For Integral Disconnect, Add</i>		
<i>For Surge Counter, Add</i>		
26 43 13 00-0045 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,798.13	124.85
<i>For Integral Disconnect, Add</i>		
<i>For Surge Counter, Add</i>		
26 43 13 00-0046 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,189.74	144.06
<i>For Integral Disconnect, Add</i>		
<i>For Surge Counter, Add</i>		
26 43 13 00-0047 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,149.53	168.07
<i>For Integral Disconnect, Add</i>		
<i>For Surge Counter, Add</i>		

<b>26</b>	<b>Electrical</b>
<b>26 40</b>	<b>Electrical And Cathodic Protection</b>
<b>26 43</b>	<b>Surge Protective Devices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0048 EA 320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,164.96	192.09
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0049 EA 480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	12,123.88	264.12
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0050 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,974.74	124.85
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0051 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,365.32	144.06
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0052 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,421.41	168.07
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0053 EA 320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,518.19	192.09
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0054 EA 480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,932.78	264.12
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
<b>26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor</b> <small>(26 43 13 00-0028)</small>		
Note: Square D EBA series.		
26 43 13 00-0056 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,723.44	124.85
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0057 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,290.63	144.06
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0058 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,824.38	168.07
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0059 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,810.14	124.85
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0060 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,419.08	144.06
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0061 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,992.43	168.07
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0062 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,810.14	124.85
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0063 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,419.08	144.06
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0064 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,992.43	168.07
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0065 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,920.40	124.85
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0066 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,557.16	144.06
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0067 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	5,207.58	168.07
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0068 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,036.01	124.85
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0069 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,703.80	144.06
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0070 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	5,433.43	168.07
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
<b>26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor</b> <small>(26 43 13 00-0028)</small>		
Note: Square D EMA series. Stainless steel.		
26 43 13 00-0072 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,505.63	124.85
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0073 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,865.16	144.06
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0074 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	6,642.98	168.07
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0075 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,657.63 265.68 203.04	124.85
26 43 13 00-0076 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,032.14 265.68 203.04	144.06
26 43 13 00-0077 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,900.96 265.68 203.04	168.07
26 43 13 00-0078 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,657.63 265.68 203.04	124.85
26 43 13 00-0079 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,032.14 265.68 203.04	144.06
26 43 13 00-0080 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,900.91 265.68 203.04	168.07
26 43 13 00-0081 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,809.65 265.68 203.04	124.85
26 43 13 00-0082 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,201.27 265.68 203.04	144.06
26 43 13 00-0083 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	7,161.06 265.68 203.04	168.07
26 43 13 00-0084 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,986.27 265.68 203.04	124.85
26 43 13 00-0085 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,376.84 265.68 203.04	144.06
26 43 13 00-0086 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	7,432.94 265.68 203.04	168.07
<b>26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor</b> <small>(26 43 13 00-0028)</small> Note: Square D EBA series. Stainless steel.		
26 43 13 00-0088 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,734.97 265.68 203.04	124.85
26 43 13 00-0089 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,302.16 265.68 203.04	144.06
26 43 13 00-0090 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,835.91 265.68 203.04	168.07
26 43 13 00-0091 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,821.67 265.68 203.04	124.85
26 43 13 00-0092 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,430.61 265.68 203.04	144.06
26 43 13 00-0093 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,003.96 265.68 203.04	168.07
26 43 13 00-0094 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,821.67 265.68 203.04	124.85
26 43 13 00-0095 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,430.61 265.68 203.04	144.06
26 43 13 00-0096 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,003.96 265.68 203.04	168.07
26 43 13 00-0097 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,931.93 265.68 203.04	124.85
26 43 13 00-0098 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,568.69 265.68 203.04	144.06
26 43 13 00-0099 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,219.11 265.68 203.04	168.07
26 43 13 00-0100 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,047.53 265.68 203.04	124.85
26 43 13 00-0101 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,715.33 265.68 203.04	144.06
26 43 13 00-0102 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,444.96 265.68 203.04	168.07

<b>26</b>	<b>Electrical</b>
<b>26 40</b>	<b>Electrical And Cathodic Protection</b>
<b>26 43</b>	<b>Surge Protective Devices</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

### 26 43 23 Surge Protective Devices for Lightning Protection <sup>(26 43)</sup>

#### 26 43 23 00-0001 Surge And Lightning Arrestors <sup>(26 43 23)</sup>

#### 26 43 23 00-0002 Metal Top Intermediate Type IMX <sup>(26 43 23 00-0001)</sup>

Note: For outdoor construction, single phase.

26 43 23 00-0003	EA	3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	1,065.85	225.70
26 43 23 00-0004	EA	4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	1,161.43	225.70
26 43 23 00-0005	EA	6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	1,161.43	225.70
26 43 23 00-0006	EA	7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	1,338.94	225.70
26 43 23 00-0007	EA	9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	1,338.94	225.70
26 43 23 00-0008	EA	10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	1,486.41	225.70
26 43 23 00-0009	EA	12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	1,486.41	225.70
26 43 23 00-0010	EA	15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	2,036.22	282.13
26 43 23 00-0011	EA	18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	2,112.68	282.13
26 43 23 00-0012	EA	21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	2,312.54	338.54
26 43 23 00-0013	EA	24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	2,509.17	338.54
26 43 23 00-0014	EA	27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	3,003.46	338.54

#### 26 43 23 00-0015 Porcelain Top Intermediate Type IMX <sup>(26 43 23 00-0001)</sup>

Note: For cubicle mounting, single phase.

26 43 23 00-0016	EA	3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	1,065.85	225.70
26 43 23 00-0017	EA	4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	1,161.43	225.70
26 43 23 00-0018	EA	6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	1,161.43	225.70
26 43 23 00-0019	EA	7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	1,338.94	225.70
26 43 23 00-0020	EA	9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	1,338.94	225.70
26 43 23 00-0021	EA	10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	1,486.41	225.70
26 43 23 00-0022	EA	12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	1,486.41	225.70
26 43 23 00-0023	EA	15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	2,036.22	282.13
26 43 23 00-0024	EA	18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	2,112.68	282.13
26 43 23 00-0025	EA	21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	2,312.54	338.54
26 43 23 00-0026	EA	24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	2,509.17	338.54
26 43 23 00-0027	EA	27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	3,003.46	338.54

#### 26 43 23 00-0028 IMX Accessories <sup>(26 43 23 00-0001)</sup>

26 43 23 00-0029	EA	1 Crossarm Bracket Reversible 3-27 KV IMX .....	869.22	225.70
26 43 23 00-0030	EA	Single Unit Horizontal Pole Mounted Bracket (IMX) .....	858.30	225.70
26 43 23 00-0031	EA	3 Unit Horizontal Pole Mounted Bracket (IMX) .....	776.48	225.70

#### 26 43 23 00-0032 Lightning Arrestor And Cutouts <sup>(26 43 23 00-0001)</sup>

26 43 23 00-0033	EA	3 KV La Distribution Class, Lightning Arrestor .....	563.36	225.70
26 43 23 00-0034	EA	3 KV La Interior Class, Lightning Arrestor .....	1,138.60	225.70
26 43 23 00-0035	EA	3 KV La Station Class, Lightning Arrestor .....	1,065.85	225.70
26 43 23 00-0036	EA	9 KV La Distribution Class, Lightning Arrestor .....	623.44	225.70
26 43 23 00-0037	EA	9 KV La Interior Class, Lightning Arrestor .....	1,297.87	225.70
26 43 23 00-0038	EA	9 KV La Station Class, Lightning Arrestor .....	1,338.94	225.70
26 43 23 00-0039	EA	5 KV Enclosed Fused Cutout .....	716.84	225.70
26 43 23 00-0040	EA	15 KV Open Fused Cutout .....	763.61	282.13
26 43 23 00-0041	EA	18 KV La Distribution Class, Lightning Arrestor .....	591.83	225.70
26 43 23 00-0042	EA	18 KV La Interior Class, Lightning Arrestor .....	1,383.00	225.70

## 26 50 Lighting <sup>(26)</sup>

Note: Includes testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

### 26 51 Interior Lighting <sup>(26 50)</sup>

#### 26 51 13 Incandescent Interior Lighting <sup>(26 51)</sup>

#### 26 51 13 00-0001 Recessed Fixtures <sup>(26 51 13)</sup>

Note: Housing and trim priced separately.

#### 26 51 13 00-0002 Incandescent, Recessed Fixture Housings <sup>(26 51 13 00-0001)</sup>

26 51 13 00-0003	EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing .....	67.54	27.47
		<i>For ICAT Housing, Add</i> .....	3.38	
26 51 13 00-0004	EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing .....	67.54	27.47
		<i>For ICAT Housing, Add</i> .....	3.38	
26 51 13 00-0005	EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing .....	71.72	28.81
		<i>For ICAT Housing, Add</i> .....	3.68	
26 51 13 00-0006	EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing .....	76.05	30.06
		<i>For ICAT Housing, Add</i> .....	3.99	
26 51 13 00-0007	EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing .....	80.39	31.31
		<i>For ICAT Housing, Add</i> .....	4.30	
26 51 13 00-0008	EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing .....	81.88	33.23
		<i>For ICAT Housing, Add</i> .....	4.12	



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 51 13 00-0009</b> Recessed Fixture Trim <small>(26 51 13 00-0001)</small>		
26 51 13 00-0010 EA Circular, Recessed Fixture Trim .....	52.64	13.45
26 51 13 00-0011 EA Circular Clear Lens, Recessed Fixture Trim .....	58.58	13.45
26 51 13 00-0012 EA Open/Baffle, Recessed Fixture Trim .....	68.89	13.45
26 51 13 00-0013 EA Specular Reflector, Recessed Fixture Trim .....	74.35	13.45
26 51 13 00-0014 EA Eyeball, Recessed Fixture Trim .....	58.67	13.45
26 51 13 00-0015 EA 10" To 12" Square, Clear Lens, Recessed Fixture Trim .....	55.48	13.45
26 51 13 00-0016 EA 10" To 12" Square, Drop Dish, Recessed Fixture Trim .....	59.14	13.45
<b>26 51 13 00-0017</b> Wall Mounted Fixtures <small>(26 51 13)</small>		
<b>26 51 13 00-0018</b> Wall Mounted Vanity Light Fixtures <small>(26 51 13 00-0017)</small>		
26 51 13 00-0019 EA 1 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2706) .....	128.32	38.42
26 51 13 00-0020 EA 2 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2707) .....	164.74	38.42
26 51 13 00-0021 EA 3 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2708) .....	231.67	38.42
26 51 13 00-0022 EA 4 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2709) .....	287.12	38.42
26 51 13 00-0023 EA 5 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2713) .....	350.28	38.42
26 51 13 00-0024 EA 6 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2714) .....	428.51	38.42
<b>26 51 13 00-0025</b> Track Lighting <small>(26 51 13)</small>		
<b>26 51 13 00-0026</b> Track Lighting Tracks <small>(26 51 13 00-0025)</small>		
26 51 13 00-0027 LF 1 Circuit Track Lighting Track .....	21.78	6.34
26 51 13 00-0028 LF 2 Circuit Track Lighting Track .....	28.51	6.34
26 51 13 00-0029 LF 3 Circuit Track Lighting Track .....	34.23	6.34
26 51 13 00-0030 LF 4 Circuit Track Lighting Track .....	39.95	7.68
<b>26 51 13 00-0031</b> Incandescent Track Lighting Fixtures <small>(26 51 13 00-0025)</small>		
26 51 13 00-0032 EA Incandescent Track Lighting Fixture, 120 Volt .....	68.14	16.03
26 51 13 00-0033 EA Par 20 Track Fixture, White Or Black Finish, 120 Volt .....	52.61	16.03
26 51 13 00-0034 EA Par 30 Track Fixture, White Or Black Finish, 120 Volt .....	74.70	16.03
26 51 13 00-0035 EA Par 38 Track Fixture, White Or Black Finish, 120 Volt .....	76.89	16.03
26 51 13 00-0036 EA PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt .....	62.61	16.03
26 51 13 00-0037 EA PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt .....	52.61	16.03
26 51 13 00-0038 EA PAR 30, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt .....	61.56	16.03
26 51 13 00-0039 EA PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt .....	79.08	16.03
	Note: 120V.	
<b>26 51 13 00-0040</b> Track Lighting Accessories <small>(26 51 13 00-0025)</small>		
<b>26 51 13 00-0041</b> Pendant Mounting <small>(26 51 13 00-0040)</small>		
26 51 13 00-0042 EA Track Lighting Pendant Mounting, Up to 12" .....	22.95	
26 51 13 00-0043 EA Track Lighting Pendant Mounting, >12" To 24" .....	29.71	
26 51 13 00-0044 EA Track Lighting Pendant Mounting, >24" To 36" .....	36.27	
<b>26 51 13 00-0045</b> Wet Location, Dust Resistant, Vapor Tight Fixtures <small>(26 51 13)</small>		
<b>26 51 13 00-0046</b> Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0045)</small>		
26 51 13 00-0047 EA 100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	114.70	38.42
<i>For Wall Mounted, Add</i>	5.10	
26 51 13 00-0048 EA 200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	132.72	38.42
<i>For Wall Mounted, Add</i>	5.10	
<b>26 51 16</b> Fluorescent Interior Lighting <small>(26 51)</small>		
<b>26 51 16 00-0001</b> Fluorescent Fixtures <small>(26 51 16)</small>		
<b>26 51 16 00-0002</b> Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
<b>26 51 16 00-0003</b> 6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0002)</small>		
26 51 16 00-0004 EA 1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture .....	151.81	27.46
26 51 16 00-0005 EA 2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture .....	171.76	27.46
<b>26 51 16 00-0006</b> 6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0002)</small>		
26 51 16 00-0007 EA 1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	170.99	28.60
26 51 16 00-0008 EA 2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	192.15	28.60



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0009			1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0002)</small>		
	EA		2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	204.59	32.11
	EA		3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	243.62	32.11
	EA		4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	286.54	32.11
26 51 16 00-0013			2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0002)</small>		
	EA		2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture .....	167.10	35.09
	EA		3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture .....	194.48	35.09
26 51 16 00-0016			2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0002)</small>		
	EA		2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	261.62	40.88
	EA		3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	282.25	40.88
	EA		4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	321.22	40.88
26 51 16 00-0020			Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
			Note: Includes prismatic lens.		
26 51 16 00-0021			1' x 4', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 16 00-0020)</small>		
	EA		2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	203.43	31.84
	EA		3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	332.87	31.84
	EA		4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	380.41	31.84
26 51 16 00-0025			2' x 2', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 16 00-0020)</small>		
	EA		2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture .....	320.61	35.09
	EA		3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture .....	351.34	35.09
	EA		4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture .....	373.77	35.09
26 51 16 00-0029			2' x 4', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 16 00-0020)</small>		
	EA		2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	323.40	40.88
	EA		3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	355.48	40.88
	EA		4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	373.30	40.88
	EA		6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	400.59	40.88
26 51 16 00-0034			4' x 4', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 16 00-0020)</small>		
	EA		4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	644.73	52.64
	EA		6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	656.09	52.64
	EA		8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	562.25	52.64
26 51 16 00-0038			Recessed Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0039			Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0038)</small>		
26 51 16 00-0040			1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <small>(26 51 16 00-0039)</small>		
	EA		2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	217.32	27.46
			<i>For Drywall Or Plaster Ceilings, Add</i> .....	18.55	
26 51 16 00-0042			1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <small>(26 51 16 00-0039)</small>		
	EA		2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	279.32	31.84
			<i>For Drywall Or Plaster Ceilings, Add</i> .....	21.71	
	EA		2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	507.33	31.84
			<i>For Drywall Or Plaster Ceilings, Add</i> .....	21.71	
26 51 16 00-0045			2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <small>(26 51 16 00-0039)</small>		
	EA		2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	284.28	35.09
			<i>For Drywall Or Plaster Ceilings, Add</i> .....	23.69	
	EA		3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	325.02	35.09
			<i>For Drywall Or Plaster Ceilings, Add</i> .....	23.69	
	EA		4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	330.54	35.09
			<i>For Drywall Or Plaster Ceilings, Add</i> .....	23.69	
	EA		2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	357.78	35.09
			<i>For Drywall Or Plaster Ceilings, Add</i> .....	23.69	
26 51 16 00-0050			2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <small>(26 51 16 00-0039)</small>		
	EA		2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	275.52	40.88
			<i>For Drywall Or Plaster Ceilings, Add</i> .....	27.63	
	EA		3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	379.15	40.88
			<i>For Drywall Or Plaster Ceilings, Add</i> .....	27.63	
	EA		4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	384.83	40.88
			<i>For Drywall Or Plaster Ceilings, Add</i> .....	27.63	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0054 EA 6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	430.10 27.63	40.88
26 51 16 00-0055 EA 2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	373.74 27.63	40.88
26 51 16 00-0056 EA 3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	508.43 27.63	40.88
26 51 16 00-0057 EA 4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	523.75 27.63	40.88
<b>26 51 16 00-0058 Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0038)</small>		
<b>26 51 16 00-0059 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0058)</small>		
26 51 16 00-0060 EA 1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture..... <i>For Drywall Or Plaster Ceilings, Add</i>	249.49 18.55	27.46
26 51 16 00-0061 EA 2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	254.99 18.55	27.46
26 51 16 00-0062 EA 3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	298.17 18.55	27.46
<b>26 51 16 00-0063 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0058)</small>		
26 51 16 00-0064 EA 1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture..... <i>For Drywall Or Plaster Ceilings, Add</i>	282.24 21.71	31.84
26 51 16 00-0065 EA 2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	287.92 21.71	31.84
26 51 16 00-0066 EA 3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	324.55 21.71	31.84
<b>26 51 16 00-0067 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0058)</small>		
26 51 16 00-0068 EA 2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	292.46 23.69	35.09
26 51 16 00-0069 EA 3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	297.97 23.69	35.09
26 51 16 00-0070 EA 4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	340.52 23.69	35.09
<b>26 51 16 00-0071 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0058)</small>		
26 51 16 00-0072 EA 2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	275.52 27.63	40.88
26 51 16 00-0073 EA 3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	320.91 27.63	40.88
26 51 16 00-0074 EA 4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	364.11 27.63	40.88
26 51 16 00-0075 EA 6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	413.14 27.63	40.88
<b>26 51 16 00-0076 Direct-Indirect, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0038)</small>		
<b>26 51 16 00-0077 1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0076)</small>		
26 51 16 00-0078 EA 1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture..... <i>For Drywall Or Plaster Ceilings, Add</i>	518.50 21.71	31.84
26 51 16 00-0079 EA 2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	524.18 21.71	31.84
26 51 16 00-0080 EA 1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	617.24 21.71	31.84
26 51 16 00-0081 EA 2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	632.56 21.71	31.84
<b>26 51 16 00-0082 2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0076)</small>		
26 51 16 00-0083 EA 2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	417.09 23.69	35.09
26 51 16 00-0084 EA 3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	465.41 23.69	35.09
26 51 16 00-0085 EA 2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	573.47 23.69	35.09
<b>26 51 16 00-0086 2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0076)</small>		
26 51 16 00-0087 EA 2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	465.77 27.63	40.88
26 51 16 00-0088 EA 3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	573.16 27.63	40.88
26 51 16 00-0089 EA 1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture..... <i>For Drywall Or Plaster Ceilings, Add</i>	609.11 27.63	40.88
26 51 16 00-0090 EA 2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	673.12 27.63	40.88



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0091			Volumetric, Recessed Fluorescent Fixtures <small>(26 51 16 00-0038)</small>		
26 51 16 00-0092			1' x 4', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 16 00-0091)</small>		
26 51 16 00-0093	EA		2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture.....	406.08	31.84
			<i>For Drywall Or Plaster Ceilings, Add</i>	21.71	
26 51 16 00-0094	EA		2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture.....	534.07	31.84
			<i>For Drywall Or Plaster Ceilings, Add</i>	21.71	
26 51 16 00-0095			2' x 2', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 16 00-0091)</small>		
26 51 16 00-0096	EA		2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture.....	405.36	35.09
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.69	
26 51 16 00-0097	EA		2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture.....	462.59	35.09
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.69	
26 51 16 00-0098			2' x 4', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 16 00-0091)</small>		
26 51 16 00-0099	EA		2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture.....	449.49	40.88
			<i>For Drywall Or Plaster Ceilings, Add</i>	27.63	
26 51 16 00-0100	EA		2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture.....	450.45	40.88
			<i>For Drywall Or Plaster Ceilings, Add</i>	27.63	
26 51 16 00-0101			Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0038)</small>		
26 51 16 00-0102			1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0101)</small>		
26 51 16 00-0103	EA		2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture .....	382.01	31.84
			<i>For Drywall Or Plaster Ceilings, Add</i>	21.71	
26 51 16 00-0104			2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0101)</small>		
26 51 16 00-0105	EA		2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture .....	368.02	35.09
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.69	
26 51 16 00-0106			2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0101)</small>		
26 51 16 00-0107	EA		2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture .....	441.56	40.88
			<i>For Drywall Or Plaster Ceilings, Add</i>	27.63	
26 51 16 00-0108	EA		3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture .....	575.81	40.88
			<i>For Drywall Or Plaster Ceilings, Add</i>	27.63	
26 51 16 00-0109	EA		4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture .....	507.40	40.88
			<i>For Drywall Or Plaster Ceilings, Add</i>	27.63	
26 51 16 00-0110			Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0038)</small>		
26 51 16 00-0111			1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0110)</small>		
26 51 16 00-0112	EA		2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture .....	364.62	31.84
			<i>For Drywall Or Plaster Ceilings, Add</i>	21.71	
26 51 16 00-0113			2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0110)</small>		
26 51 16 00-0114	EA		2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture .....	367.61	35.09
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.69	
26 51 16 00-0115			2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0110)</small>		
26 51 16 00-0116	EA		2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture .....	451.32	40.88
			<i>For Drywall Or Plaster Ceilings, Add</i>	27.63	
26 51 16 00-0117	EA		3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture .....	460.39	40.88
			<i>For Drywall Or Plaster Ceilings, Add</i>	27.63	
26 51 16 00-0118	EA		4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture .....	473.27	40.88
			<i>For Drywall Or Plaster Ceilings, Add</i>	27.63	
26 51 16 00-0119			Striplight Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0120			1 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 16 00-0119)</small>		
26 51 16 00-0121	EA		1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	162.30	26.31
26 51 16 00-0122	EA		2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	196.88	26.31
26 51 16 00-0123	EA		3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	194.77	29.21
26 51 16 00-0124	EA		4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	198.29	32.11
26 51 16 00-0125	EA		8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	241.32	38.03



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 51 16 00-0126</b> <b>2 Lamp Cross Section, Striplight Fluorescent Fixtures</b> <small>(26 51 16 00-0119)</small>		
26 51 16 00-0127    EA    2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture.....	199.23	29.21
26 51 16 00-0128    EA    3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture.....	205.71	32.11
26 51 16 00-0129    EA    4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture.....	208.36	35.09
<b>26 51 16 00-0130</b> <b>3 Lamp Cross Section, Striplight Fluorescent Fixtures</b> <small>(26 51 16 00-0119)</small>		
26 51 16 00-0131    EA    2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture.....	285.73	29.21
26 51 16 00-0132    EA    3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture.....	278.19	32.11
26 51 16 00-0133    EA    4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture.....	279.98	35.09
<b>26 51 16 00-0134</b> <b>Display Case Fluorescent Fixtures</b> <small>(26 51 16 00-0119)</small>		
26 51 16 00-0135    EA    1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W) .....	118.42	28.81
26 51 16 00-0136    EA    1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W).....	152.12	28.81
26 51 16 00-0137    EA    1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W).....	164.03	33.61
26 51 16 00-0138    EA    1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W).....	167.79	33.61
<b>26 51 16 00-0139</b> <b>Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0001)</small>		
<b>26 51 16 00-0140</b> <b>1 Lamp Cross Section, Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0139)</small>		
26 51 16 00-0141    EA    2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture.....	228.90	26.31
26 51 16 00-0142    EA    4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture.....	241.52	32.11
26 51 16 00-0143    EA    8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture.....	433.74	40.88
<b>26 51 16 00-0144</b> <b>2 Lamp Cross Section, Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0139)</small>		
26 51 16 00-0145    EA    2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture.....	238.79	29.21
26 51 16 00-0146    EA    4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture.....	251.60	35.09
26 51 16 00-0147    EA    8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture.....	445.11	40.88
<b>26 51 16 00-0148</b> <b>3 Lamp Cross Section, Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0139)</small>		
26 51 16 00-0149    EA    2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture.....	249.94	29.21
26 51 16 00-0150    EA    4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture.....	261.52	35.09
26 51 16 00-0151    EA    8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture.....	392.42	40.88
<b>26 51 16 00-0152</b> <b>4 Lamp Cross Section, Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0139)</small>		
26 51 16 00-0153    EA    4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture.....	353.66	35.09
26 51 16 00-0154    EA    8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture.....	516.80	40.88
<b>26 51 16 00-0155</b> <b>Flanged Fluorescent Fixture</b> <small>(26 51 16 00-0001)</small>		
Note: For plaster or drywall application. With electronic ballast.		
26 51 16 00-0156    EA    2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture.....	334.50	52.64
26 51 16 00-0157    EA    3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture.....	396.69	52.64
26 51 16 00-0158    EA    4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture.....	402.37	52.64
<b>26 51 16 00-0159</b> <b>Undercabinet Fluorescent Fixtures</b> <small>(26 51 16 00-0001)</small>		
26 51 16 00-0160    EA    1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture.....	117.84	23.69
26 51 16 00-0161    EA    1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture.....	137.46	28.95
26 51 16 00-0162    EA    2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	135.31	28.95
26 51 16 00-0163    EA    1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	162.87	31.58
26 51 16 00-0164    EA    2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	189.36	36.85
<b>26 51 16 00-0165</b> <b>Surface Mounted, T5HO Fluorescent Fixture</b> <small>(26 51 16 00-0001)</small>		
Note: For 8' fixture, use two (2) 4' fixtures		
26 51 16 00-0166    EA    1 T5HO Lamp, 60 W, 4' Length, Surface Mounted, Fluorescent Fixture.....	502.78	40.88
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
For Gasketed/Wet Location, Add	57.75	
26 51 16 00-0167    EA    2 T5HO Lamps, 120 W, 4' Length, Surface Mounted, Fluorescent Fixture.....	400.74	40.88
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
For Gasketed/Wet Location, Add	57.75	
26 51 16 00-0168    EA    3 T5HO Lamps, 182 W, 4' Length, Surface Mounted, Fluorescent Fixture.....	415.01	40.88
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
For Gasketed/Wet Location, Add	57.75	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0169	EA		4 T5HO Lamps, 240 W, 4' Length, Surface Mounted, Fluorescent Fixture.....	477.93	40.88
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
			<i>For Gasketed/Wet Location, Add</i>	57.75	
26 51 16 00-0170	EA		6 T5HO Lamps, 358 W, 4' Length, Surface Mounted, Fluorescent Fixture.....	614.07	40.88
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
			<i>For Gasketed/Wet Location, Add</i>	57.75	
26 51 16 00-0171			<b>Corner Mounted, Fluorescent Fixtures</b> (26 51 16 00-0001)		
			Note: Includes acrylic drop dish diffuser.		
26 51 16 00-0172			<b>2' Length, Corner Mounted, Fluorescent Fixtures</b> (26 51 16 00-0171)		
26 51 16 00-0173	EA		1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture.....	204.34	26.31
26 51 16 00-0174	EA		2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture.....	229.02	26.31
26 51 16 00-0175			<b>3' Length, Corner Mounted, Fluorescent Fixtures</b> (26 51 16 00-0171)		
26 51 16 00-0176	EA		1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture.....	233.52	27.64
26 51 16 00-0177	EA		2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture.....	257.31	27.64
26 51 16 00-0178			<b>4' Length, Corner Mounted, Fluorescent Fixtures</b> (26 51 16 00-0171)		
26 51 16 00-0179	EA		1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture.....	229.28	28.95
26 51 16 00-0180	EA		2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture.....	253.08	28.95
26 51 16 00-0181			<b>Wall Bracket, Fluorescent Fixtures</b> (26 51 16 00-0001)		
26 51 16 00-0182			<b>Wall Bracket, Fluorescent Fixtures (Lithonia W)</b> (26 51 16 00-0181)		
			Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0183			<b>2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)</b> (26 51 16 00-0182)		
26 51 16 00-0184	EA		1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	222.62	44.18
26 51 16 00-0185	EA		2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	227.32	44.18
26 51 16 00-0186			<b>3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)</b> (26 51 16 00-0182)		
26 51 16 00-0187	EA		1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	295.28	44.18
26 51 16 00-0188	EA		2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	301.84	44.18
26 51 16 00-0189			<b>4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)</b> (26 51 16 00-0182)		
26 51 16 00-0190	EA		1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	306.55	44.18
26 51 16 00-0191	EA		2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	311.24	44.18
26 51 16 00-0192			<b>Wall Bracket, Fluorescent Fixtures (Lithonia WP)</b> (26 51 16 00-0181)		
			Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0193			<b>2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)</b> (26 51 16 00-0192)		
26 51 16 00-0194	EA		1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	629.75	44.18
26 51 16 00-0195	EA		2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	634.44	44.18
26 51 16 00-0196			<b>3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)</b> (26 51 16 00-0192)		
26 51 16 00-0197	EA		1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	488.82	44.18
26 51 16 00-0198	EA		2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	495.37	44.18
26 51 16 00-0199			<b>4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)</b> (26 51 16 00-0192)		
26 51 16 00-0200	EA		1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	568.68	44.18
26 51 16 00-0201	EA		2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	573.38	44.18
26 51 16 00-0202			<b>Wall Bracket, Fluorescent Fixtures (Lithonia WC)</b> (26 51 16 00-0181)		
			Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0203			<b>2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)</b> (26 51 16 00-0202)		
26 51 16 00-0204	EA		1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	212.20	44.18
26 51 16 00-0205	EA		2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	216.89	44.18
26 51 16 00-0206			<b>3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)</b> (26 51 16 00-0202)		
26 51 16 00-0207	EA		1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	214.06	44.18
26 51 16 00-0208	EA		2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	220.61	44.18





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 51 16 00-0209</b> 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 16 00-0202)</small>		
26 51 16 00-0210 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	204.21	44.18
26 51 16 00-0211 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	208.90	44.18
<b>26 51 16 00-0212</b> Low Occupancy, Industrial Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0213 EA 1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	265.48	32.11
26 51 16 00-0214 EA 2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	269.87	35.09
26 51 16 00-0215 EA 3 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (TCP EcoVations ST).....	465.82	35.09
Note: Includes two 4' T8 lamps controlled by an internally mounted high frequency ultrasonic occupancy sensor, a center lamp is on constantly for standby mode. <i>For 90 Minute Emergency Ballast, Add</i>	131.81	
<b>26 51 16 00-0216</b> Ceiling Mounted Fluorescent Fixtures <small>(26 51 16)</small>		
<b>26 51 16 00-0217</b> Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures <small>(26 51 16 00-0216)</small>		
<b>26 51 16 00-0218</b> Glass Globe, Compact Fluorescent/Incandescent Fixtures <small>(26 51 16 00-0217)</small>		
26 51 16 00-0219 EA 6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture .....	127.84	38.42
26 51 16 00-0220 EA 9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture.....	151.86	38.42
<b>26 51 16 00-0221</b> Ceiling Mounted, Circline Fluorescent Fixtures <small>(26 51 16 00-0216)</small>		
<b>26 51 16 00-0222</b> Exposed Lamps, Circline Fluorescent Fixtures <small>(26 51 16 00-0221)</small>		
26 51 16 00-0223 EA 8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture.....	109.55	38.42
26 51 16 00-0224 EA 12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture .....	121.25	38.42
<b>26 51 16 00-0225</b> Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures <small>(26 51 16 00-0221)</small>		
26 51 16 00-0226 EA 11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	159.67	38.42
26 51 16 00-0227 EA 14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	225.79	38.42
26 51 16 00-0228 EA 19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	271.60	38.42
26 51 16 00-0229 EA 12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	181.09	38.42
26 51 16 00-0230 EA 15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	227.14	38.42
26 51 16 00-0231 EA 19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	271.60	38.42
<b>26 51 16 00-0232</b> Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures <small>(26 51 16 00-0216)</small>		
<b>26 51 16 00-0233</b> Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures <small>(26 51 16 00-0232)</small>		
26 51 16 00-0234 EA 11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	164.78	38.42
26 51 16 00-0235 EA 14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	210.06	38.42
26 51 16 00-0236 EA 19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	251.22	38.42
26 51 16 00-0237 EA 12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	130.87	38.42
26 51 16 00-0238 EA 15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	156.09	38.42
26 51 16 00-0239 EA 19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	203.88	38.42
<b>26 51 16 00-0240</b> Pendant Mounted, Compact Fluorescent/Incandescent Downlights <small>(26 51 16 00-0216)</small>		
<b>26 51 16 00-0241</b> Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights <small>(26 51 16 00-0240)</small>		
26 51 16 00-0242 EA 6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight.....	252.71	31.56
<b>26 51 16 00-0243</b> Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle <small>(26 51 16 00-0240)</small>		
26 51 16 00-0244 EA 6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	289.27	31.56
26 51 16 00-0245 EA 8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	407.22	31.56
<b>26 51 16 00-0246</b> Finelite Fluorescent Fixtures <small>(26 51 16 00-0216)</small>		
<b>26 51 16 00-0247</b> Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10) <small>(26 51 16 00-0246)</small>		
26 51 16 00-0248 EA 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	481.56	44.75
<i>For Dual Circuit, Add</i>	124.30	
26 51 16 00-0249 EA 2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	478.68	44.75
<i>For Dual Circuit, Add</i>	123.44	
26 51 16 00-0250 EA 3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	518.57	44.75
<i>For Dual Circuit, Add</i>	135.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	16 00-0251	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	583.99	44.75
			<i>For Dual Circuit, Add</i> .....	155.03	
26 51	16 00-0252	EA	2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	640.79	44.75
			<i>For Dual Circuit, Add</i> .....	172.07	
26 51	16 00-0253	EA	3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	791.67	44.75
			<i>For Dual Circuit, Add</i> .....	217.33	
26 51	16 00-0254	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	694.40	46.68
			<i>For Dual Circuit, Add</i> .....	140.68	
26 51	16 00-0255	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	714.31	46.68
			<i>For Dual Circuit, Add</i> .....	145.16	
26 51	16 00-0256	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	794.09	46.68
			<i>For Dual Circuit, Add</i> .....	163.11	
26 51	16 00-0257	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	762.44	46.68
			<i>For Dual Circuit, Add</i> .....	155.99	
26 51	16 00-0258	EA	4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	961.57	46.68
			<i>For Dual Circuit, Add</i> .....	200.79	
26 51	16 00-0259	EA	6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,135.04	46.68
			<i>For Dual Circuit, Add</i> .....	239.83	
26 51	16 00-0260	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	924.35	48.60
			<i>For Dual Circuit, Add</i> .....	127.99	
26 51	16 00-0261	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	958.49	48.60
			<i>For Dual Circuit, Add</i> .....	133.11	
26 51	16 00-0262	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,061.05	48.60
			<i>For Dual Circuit, Add</i> .....	148.50	
26 51	16 00-0263	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,069.17	48.60
			<i>For Dual Circuit, Add</i> .....	149.72	
26 51	16 00-0264	EA	6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,325.10	48.60
			<i>For Dual Circuit, Add</i> .....	188.10	
26 51	16 00-0265	EA	9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,589.58	48.60
			<i>For Dual Circuit, Add</i> .....	227.78	
<b>26 51</b>	<b>16 00-0266</b>		<b>Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O)</b> <small>(26 51 16 00-0246)</small>		
26 51	16 00-0267	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	415.91	44.75
			<i>For Dual Circuit, Add</i> .....	104.60	
26 51	16 00-0268	EA	1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	454.02	44.75
			<i>For Dual Circuit, Add</i> .....	116.04	
26 51	16 00-0269	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	452.35	44.75
			<i>For Dual Circuit, Add</i> .....	115.54	
26 51	16 00-0270	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	611.88	46.68
			<i>For Dual Circuit, Add</i> .....	122.11	
26 51	16 00-0271	EA	2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	656.70	46.68
			<i>For Dual Circuit, Add</i> .....	132.20	
26 51	16 00-0272	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	653.37	46.68
			<i>For Dual Circuit, Add</i> .....	131.45	
26 51	16 00-0273	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	807.86	48.60
			<i>For Dual Circuit, Add</i> .....	110.52	
26 51	16 00-0274	EA	3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	922.18	48.60
			<i>For Dual Circuit, Add</i> .....	127.67	
26 51	16 00-0275	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	917.18	48.60
			<i>For Dual Circuit, Add</i> .....	126.92	
<b>26 51</b>	<b>16 00-0276</b>		<b>Pendant Mounted, Horizontal Indirect Fluorescent Fixtures</b> <small>(26 51 16 00-0216)</small>		
26 51	16 00-0277	EA	1 T5HO Lamp, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	280.51	31.56
26 51	16 00-0278	EA	2 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	297.85	31.56
26 51	16 00-0279	EA	3 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	358.61	31.56
26 51	16 00-0280	EA	2 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	374.83	31.56
26 51	16 00-0281	EA	4 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	448.98	31.56
26 51	16 00-0282	EA	6 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	536.94	31.56



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 51 16 00-0283</b> <b>Fluorescent, Recessed Fixture Housings</b> <small>(26 51 16)</small>		
26 51 16 00-0284    EA    4" Round, Fluorescent, T Or ICT Recessed Fixture Housing .....	109.20	27.47
<i>For ICAT Housing, Add</i>	8.76	
26 51 16 00-0285    EA    5" Round, Fluorescent, T Or ICT Recessed Fixture Housing .....	112.90	27.47
<i>For ICAT Housing, Add</i>	9.24	
26 51 16 00-0286    EA    6" Round, Fluorescent, T Or ICT Recessed Fixture Housing .....	117.63	28.72
<i>For ICAT Housing, Add</i>	9.60	
26 51 16 00-0287    EA    7" Round, Fluorescent, T Or ICT Recessed Fixture Housing .....	123.62	29.77
<i>For ICAT Housing, Add</i>	10.12	
26 51 16 00-0288    EA    8" Round, Fluorescent, T Or ICT Recessed Fixture Housing .....	128.85	31.31
<i>For ICAT Housing, Add</i>	10.55	
26 51 16 00-0289    EA    10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing .....	133.41	33.23
<i>For ICAT Housing, Add</i>	10.77	
<b>26 51 16 00-0290</b> <b>Compact Fluorescent, Recessed Fixture Housings</b> <small>(26 51 16)</small>		
26 51 16 00-0291    EA    4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing .....	125.11	27.47
<i>For ICAT Housing, Add</i>	10.81	
26 51 16 00-0292    EA    5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing .....	128.76	27.47
<i>For ICAT Housing, Add</i>	11.28	
26 51 16 00-0293    EA    6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing .....	133.61	28.81
<i>For ICAT Housing, Add</i>	11.66	
26 51 16 00-0294    EA    7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing .....	137.50	30.06
<i>For ICAT Housing, Add</i>	11.91	
26 51 16 00-0295    EA    8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing .....	141.98	31.31
<i>For ICAT Housing, Add</i>	12.24	
26 51 16 00-0296    EA    10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing .....	146.26	33.23
<i>For ICAT Housing, Add</i>	12.43	
<b>26 51 16 00-0297</b> <b>Fluorescent Track Lighting Fixtures</b> <small>(26 51 16)</small>		
26 51 16 00-0298    EA    2L 18W BX Track Fixture, Electronic Ballast .....	285.25	16.03
Note: White or Black Finish, 120V.		
26 51 16 00-0299    EA    2L 39W BX Track Fixture, Electronic Ballast .....	294.01	16.03
Note: White or Black Finish, 120V.		
26 51 16 00-0300    EA    2L 40W BX Track Fixture, Electronic Ballast .....	299.48	16.03
Note: White or Black Finish, 120V.		
26 51 16 00-0301    EA    2L 50W BX Track Fixture, Electronic Ballast .....	188.27	16.03
Note: White or Black Finish, 120V.		
26 51 16 00-0302    EA    2L, 55 Watt BX Track Fixture, Electronic Ballast .....	321.47	16.03
Note: White or Black Finish, 120V.		
<b>26 51 16 00-0303</b> <b>Compact Fluorescent Track Lighting Fixtures</b> <small>(26 51 16)</small>		
26 51 16 00-0304    EA    Compact Fluorescent Track Lighting Fixture .....	80.14	16.03
<b>26 51 16 00-0305</b> <b>Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures</b> <small>(26 51 16)</small>		
26 51 16 00-0306    EA    13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	124.00	38.42
<i>For Wall Mounted, Add</i>	6.02	
26 51 16 00-0307    EA    22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	127.54	38.42
<i>For Wall Mounted, Add</i>	6.02	
26 51 16 00-0308    EA    28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	136.30	38.42
<i>For Wall Mounted, Add</i>	6.02	
<b>26 51 16 00-0309</b> <b>Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures</b> <small>(26 51 16)</small>		
<b>26 51 16 00-0310</b> <b>4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0309)</small>		
<b>26 51 16 00-0311</b> <b>4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW)</b> <small>(26 51 16 00-0310)</small>		
Note: Includes high impact acrylic molded lens.		
26 51 16 00-0312    EA    1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) .....	255.12	40.88
<i>For T5 Fixture Instead Of T8, Add</i>	22.18	
26 51 16 00-0313    EA    2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) .....	267.71	40.88
<i>For T5 Fixture Instead Of T8, Add</i>	23.62	
26 51 16 00-0314    EA    3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) .....	419.29	40.88
<i>For T5 Fixture Instead Of T8, Add</i>	40.98	
26 51 16 00-0315    EA    1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) .....	364.33	40.88
26 51 16 00-0316    EA    2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) .....	587.80	40.88
<b>26 51 16 00-0317</b> <b>4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day- Brite V2W)</b> <small>(26 51 16 00-0310)</small>		
Note: Includes high impact acrylic molded lens.		
26 51 16 00-0318    EA    1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W) .....	338.46	40.88

**26 Electrical**  
**26 50 Lighting**  
 26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0319	EA		2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	342.45	40.88
26 51 16 00-0320	EA		3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	506.90	40.88
26 51 16 00-0321	EA		1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W) .....	417.29	40.88
26 51 16 00-0322	EA		2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W) .....	436.99	40.88
26 51 16 00-0323			<b>8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0309)</small> Note: Includes high impact acrylic molded lens.		
26 51 16 00-0324			<b>8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW)</b> <small>(26 51 16 00-0323)</small> Note: Includes high impact acrylic molded lens.		
26 51 16 00-0325	EA		2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW) .....	480.02	55.54
			<i>For T5 Fixture Instead Of T8, Add</i>	45.42	
26 51 16 00-0326	EA		4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW) .....	499.97	55.54
			<i>For T5 Fixture Instead Of T8, Add</i>	47.70	
26 51 16 00-0327			<b>High Bay Fluorescent Fixtures</b> <small>(26 51 16)</small>		
26 51 16 00-0328			<b>(T8) Fluorescent, High Bay Fixtures</b> <small>(26 51 16 00-0327)</small>		
26 51 16 00-0329			<b>(T8) Fluorescent, High Bay Fixtures (Lithonia)</b> <small>(26 51 16 00-0328)</small> Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0330	EA		2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) .....	458.66	89.48
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0331	EA		3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) .....	477.91	99.14
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0332	EA		4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) .....	540.91	113.17
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0333	EA		6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) .....	654.88	119.22
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0334	EA		8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) .....	713.40	124.75
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0335	EA		4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) .....	392.23	113.17
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0336	EA		6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) .....	412.36	119.22
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0337	EA		8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) .....	475.10	124.75
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0338			<b>(T5HO) Fluorescent, High Bay Fixtures</b> <small>(26 51 16 00-0327)</small>		
26 51 16 00-0339			<b>(T5HO) Fluorescent, High Bay Fixtures (Lithonia)</b> <small>(26 51 16 00-0338)</small> Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0340	EA		2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) .....	463.62	89.48
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0341	EA		3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) .....	482.68	99.14
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0342	EA		4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) .....	549.12	113.17
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0343	EA		6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) .....	672.10	119.22
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0344	EA		4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) .....	415.02	113.17
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0345	EA		6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) .....	458.40	119.22
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0346 EA 8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) .....	539.11	124.75
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
<b>26 51 19 LED Interior Lighting (26 51)</b>		
<b>26 51 19 00-0001 LED Fixtures (26 51 19)</b>		
<b>26 51 19 00-0002 Undercabinet LED Fixtures (26 51 19 00-0001)</b>		
26 51 19 00-0003 EA 12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6) .....	144.09	23.69
For >50 To 100, Deduct	-4.59	
For >100 To 250, Deduct	-8.19	
For >250 To 500, Deduct	-14.41	
For >500, Deduct	-20.63	
26 51 19 00-0004 EA 18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6) .....	180.50	28.95
For >50 To 100, Deduct	-5.72	
For >100 To 250, Deduct	-10.23	
For >250 To 500, Deduct	-18.05	
For >500, Deduct	-25.87	
26 51 19 00-0005 EA 24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6) .....	189.57	28.95
For >50 To 100, Deduct	-5.95	
For >100 To 250, Deduct	-10.68	
For >250 To 500, Deduct	-18.96	
For >500, Deduct	-27.23	
26 51 19 00-0006 EA 9" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7002) .....	130.21	23.69
For >50 To 100, Deduct	-4.24	
For >100 To 250, Deduct	-7.50	
For >250 To 500, Deduct	-13.02	
For >500, Deduct	-18.54	
26 51 19 00-0007 EA 12" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7012) .....	145.05	23.69
For >50 To 100, Deduct	-4.61	
For >100 To 250, Deduct	-8.24	
For >250 To 500, Deduct	-14.51	
For >500, Deduct	-20.77	
26 51 19 00-0008 EA 18" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7005) .....	167.62	23.69
For >50 To 100, Deduct	-5.18	
For >100 To 250, Deduct	-9.37	
For >250 To 500, Deduct	-16.76	
For >500, Deduct	-24.16	
26 51 19 00-0009 EA 24" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7013) .....	189.48	23.69
For >50 To 100, Deduct	-5.72	
For >100 To 250, Deduct	-10.46	
For >250 To 500, Deduct	-18.95	
For >500, Deduct	-27.44	
26 51 19 00-0010 EA 24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30) .....	148.56	23.69
For >50 To 100, Deduct	-4.70	
For >100 To 250, Deduct	-8.42	
For >250 To 500, Deduct	-14.86	
For >500, Deduct	-21.30	
<b>26 51 19 00-0011 Surface Mount Linear/Striplight LED Fixtures (26 51 19 00-0001)</b>		
<b>26 51 19 00-0012 Striplight LED Fixtures (Lithonia ZL) (26 51 19 00-0011)</b>		
26 51 19 00-0013 EA 3,000 Lumens, 2' Length, LED Striplight Fixture (Lithonia ZL1) .....	190.39	26.31
For >50 To 100, Deduct	-5.75	
For >100 To 250, Deduct	-10.51	
For >250 To 500, Deduct	-19.04	
For >500, Deduct	-27.57	
26 51 19 00-0014 EA 2,800 Lumens, 4' Length, LED Striplight Fixture (Lithonia ZL1) .....	199.16	32.11
For >50 To 100, Deduct	-6.19	
For >100 To 250, Deduct	-11.16	
For >250 To 500, Deduct	-19.92	
For >500, Deduct	-28.67	
26 51 19 00-0015 EA 1,400 Lumens, 2' Length, Lensed LED Striplight Fixture (Lithonia ZL2) .....	221.69	26.31
For >50 To 100, Deduct	-6.53	
For >100 To 250, Deduct	-12.07	
For >250 To 500, Deduct	-22.17	
For >500, Deduct	-32.27	
26 51 19 00-0016 EA 2,300 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2) .....	230.46	32.11
For >50 To 100, Deduct	-6.97	
For >100 To 250, Deduct	-12.73	
For >250 To 500, Deduct	-23.05	
For >500, Deduct	-33.36	
26 51 19 00-0017 EA 4,600 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2) .....	289.59	32.11
For >50 To 100, Deduct	-8.45	
For >100 To 250, Deduct	-15.69	
For >250 To 500, Deduct	-28.96	
For >500, Deduct	-42.23	
<b>26 51 19 00-0018 Striplight LED Fixtures (Mobern) (26 51 19 00-0011)</b>		

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0019	EA		1,100 Lumens, 12 Watt, 2' Length, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30) .....	203.64	26.31
			<i>For &gt;50 To 100, Deduct</i>	-6.08	
			<i>For &gt;100 To 250, Deduct</i>	-11.17	
			<i>For &gt;250 To 500, Deduct</i>	-20.36	
			<i>For &gt;500, Deduct</i>	-29.56	
<b>26 51 19 00-0020</b>			<b>Striplight LED Fixtures (Eaton) <small>(26 51 19 00-0011)</small></b>		
26 51 19 00-0021	EA		2,301 Lumens, 18 Watt, 4' Length, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U) .....	259.44	32.11
			<i>For &gt;50 To 100, Deduct</i>	-7.69	
			<i>For &gt;100 To 250, Deduct</i>	-14.18	
			<i>For &gt;250 To 500, Deduct</i>	-25.94	
			<i>For &gt;500, Deduct</i>	-37.71	
26 51 19 00-0022	EA		2,382 Lumens, 16 Watt, 4' Length, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U) .....	244.04	32.11
			<i>For &gt;50 To 100, Deduct</i>	-7.31	
			<i>For &gt;100 To 250, Deduct</i>	-13.41	
			<i>For &gt;250 To 500, Deduct</i>	-24.40	
			<i>For &gt;500, Deduct</i>	-35.40	
26 51 19 00-0023	EA		2,382 Lumens, 16 Watt, 4' Length, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U) .....	259.44	32.11
			<i>For &gt;50 To 100, Deduct</i>	-7.69	
			<i>For &gt;100 To 250, Deduct</i>	-14.18	
			<i>For &gt;250 To 500, Deduct</i>	-25.94	
			<i>For &gt;500, Deduct</i>	-37.71	
<b>26 51 19 00-0024</b>			<b>Striplight LED Fixtures (Lithonia ZL1D) <small>(26 51 19 00-0011)</small></b>		
26 51 19 00-0025	EA		1,985 Lumens, 17 Watt, 2' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 30K 80CRI) .....	156.09	26.31
			<i>For &gt;50 To 100, Deduct</i>	-4.89	
			<i>For &gt;100 To 250, Deduct</i>	-8.79	
			<i>For &gt;250 To 500, Deduct</i>	-15.61	
			<i>For &gt;500, Deduct</i>	-22.43	
26 51 19 00-0026	EA		2,030 Lumens, 17 Watt, 2' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 35K 80CRI) .....	156.09	26.31
			<i>For &gt;50 To 100, Deduct</i>	-4.89	
			<i>For &gt;100 To 250, Deduct</i>	-8.79	
			<i>For &gt;250 To 500, Deduct</i>	-15.61	
			<i>For &gt;500, Deduct</i>	-22.43	
26 51 19 00-0027	EA		2,061 Lumens, 17 Watt, 2' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 40K 80CRI) .....	156.09	26.31
			<i>For &gt;50 To 100, Deduct</i>	-4.89	
			<i>For &gt;100 To 250, Deduct</i>	-8.79	
			<i>For &gt;250 To 500, Deduct</i>	-15.61	
			<i>For &gt;500, Deduct</i>	-22.43	
26 51 19 00-0028	EA		2,137 Lumens, 17 Watt, 2' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 50K 80CRI) .....	156.09	26.31
			<i>For &gt;50 To 100, Deduct</i>	-4.89	
			<i>For &gt;100 To 250, Deduct</i>	-8.79	
			<i>For &gt;250 To 500, Deduct</i>	-15.61	
			<i>For &gt;500, Deduct</i>	-22.43	
26 51 19 00-0029	EA		2,682 Lumens, 22 Watt, 2' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 30K 80CRI) .....	177.34	26.31
			<i>For &gt;50 To 100, Deduct</i>	-5.42	
			<i>For &gt;100 To 250, Deduct</i>	-9.85	
			<i>For &gt;250 To 500, Deduct</i>	-17.73	
			<i>For &gt;500, Deduct</i>	-25.61	
26 51 19 00-0030	EA		2,742 Lumens, 22 Watt, 2' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 35K 80CRI) .....	177.34	26.31
			<i>For &gt;50 To 100, Deduct</i>	-5.42	
			<i>For &gt;100 To 250, Deduct</i>	-9.85	
			<i>For &gt;250 To 500, Deduct</i>	-17.73	
			<i>For &gt;500, Deduct</i>	-25.61	
26 51 19 00-0031	EA		2,785 Lumens, 22 Watt, 2' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 40K 80CRI) .....	177.34	26.31
			<i>For &gt;50 To 100, Deduct</i>	-5.42	
			<i>For &gt;100 To 250, Deduct</i>	-9.85	
			<i>For &gt;250 To 500, Deduct</i>	-17.73	
			<i>For &gt;500, Deduct</i>	-25.61	
26 51 19 00-0032	EA		2,887 Lumens, 22 Watt, 2' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 50K 80CRI) .....	177.34	26.31
			<i>For &gt;50 To 100, Deduct</i>	-5.42	
			<i>For &gt;100 To 250, Deduct</i>	-9.85	
			<i>For &gt;250 To 500, Deduct</i>	-17.73	
			<i>For &gt;500, Deduct</i>	-25.61	
26 51 19 00-0033	EA		4,099 Lumens, 36 Watt, 2' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 30K 80CRI) .....	187.90	26.31
			<i>For &gt;50 To 100, Deduct</i>	-5.68	
			<i>For &gt;100 To 250, Deduct</i>	-10.38	
			<i>For &gt;250 To 500, Deduct</i>	-18.79	
			<i>For &gt;500, Deduct</i>	-27.20	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0034 EA 4,190 Lumens, 36 Watt, 2' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 35K 80CRI) .....	187.90	26.31
For >50 To 100, Deduct	-5.68	
For >100 To 250, Deduct	-10.38	
For >250 To 500, Deduct	-18.79	
For >500, Deduct	-27.20	
26 51 19 00-0035 EA 4,255 Lumens, 36 Watt, 2' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 40K 80CRI) .....	187.90	26.31
For >50 To 100, Deduct	-5.68	
For >100 To 250, Deduct	-10.38	
For >250 To 500, Deduct	-18.79	
For >500, Deduct	-27.20	
26 51 19 00-0036 EA 4,412 Lumens, 36 Watt, 2' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 50K 80CRI) .....	187.90	26.31
For >50 To 100, Deduct	-5.68	
For >100 To 250, Deduct	-10.38	
For >250 To 500, Deduct	-18.79	
For >500, Deduct	-27.20	
26 51 19 00-0037 EA 3,880 Lumens, 30 Watt, 4' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 30K 80CRI) .....	213.61	32.11
For >50 To 100, Deduct	-6.55	
For >100 To 250, Deduct	-11.89	
For >250 To 500, Deduct	-21.36	
For >500, Deduct	-30.84	
26 51 19 00-0038 EA 3,966 Lumens, 30 Watt, 4' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 35K 80CRI) .....	213.61	32.11
For >50 To 100, Deduct	-6.55	
For >100 To 250, Deduct	-11.89	
For >250 To 500, Deduct	-21.36	
For >500, Deduct	-30.84	
26 51 19 00-0039 EA 4,028 Lumens, 30 Watt, 4' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 40K 80CRI) .....	213.61	32.11
For >50 To 100, Deduct	-6.55	
For >100 To 250, Deduct	-11.89	
For >250 To 500, Deduct	-21.36	
For >500, Deduct	-30.84	
26 51 19 00-0040 EA 4,176 Lumens, 30 Watt, 4' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 50K 80CRI) .....	213.61	32.11
For >50 To 100, Deduct	-6.55	
For >100 To 250, Deduct	-11.89	
For >250 To 500, Deduct	-21.36	
For >500, Deduct	-30.84	
26 51 19 00-0041 EA 5,337 Lumens, 41 Watt, 4' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 30K 80CRI) .....	224.18	32.11
For >50 To 100, Deduct	-6.81	
For >100 To 250, Deduct	-12.42	
For >250 To 500, Deduct	-22.42	
For >500, Deduct	-32.42	
26 51 19 00-0042 EA 5,456 Lumens, 41 Watt, 4' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 35K 80CRI) .....	224.18	32.11
For >50 To 100, Deduct	-6.81	
For >100 To 250, Deduct	-12.42	
For >250 To 500, Deduct	-22.42	
For >500, Deduct	-32.42	
26 51 19 00-0043 EA 5,541 Lumens, 41 Watt, 4' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 40K 80CRI) .....	224.18	32.11
For >50 To 100, Deduct	-6.81	
For >100 To 250, Deduct	-12.42	
For >250 To 500, Deduct	-22.42	
For >500, Deduct	-32.42	
26 51 19 00-0044 EA 5,745 Lumens, 41 Watt, 4' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 50K 80CRI) .....	224.18	32.11
For >50 To 100, Deduct	-6.81	
For >100 To 250, Deduct	-12.42	
For >250 To 500, Deduct	-22.42	
For >500, Deduct	-32.42	
26 51 19 00-0045 EA 7,317 Lumens, 59 Watt, 4' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 30K 80CRI) .....	234.76	32.11
For >50 To 100, Deduct	-7.08	
For >100 To 250, Deduct	-12.94	
For >250 To 500, Deduct	-23.48	
For >500, Deduct	-34.01	
26 51 19 00-0046 EA 7,480 Lumens, 59 Watt, 4' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 35K 80CRI) .....	234.76	32.11
For >50 To 100, Deduct	-7.08	
For >100 To 250, Deduct	-12.94	
For >250 To 500, Deduct	-23.48	
For >500, Deduct	-34.01	
26 51 19 00-0047 EA 7,596 Lumens, 59 Watt, 4' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 40K 80CRI) .....	234.76	32.11
For >50 To 100, Deduct	-7.08	
For >100 To 250, Deduct	-12.94	
For >250 To 500, Deduct	-23.48	
For >500, Deduct	-34.01	

**26 Electrical**  
**26 50 Lighting**  
**26 51 Interior Lighting**



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0048	EA	7,876 Lumens, 59 Watt, 4' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 50K 80CRI) .....	234.76	32.11
		<i>For &gt;50 To 100, Deduct</i>	-7.08	
		<i>For &gt;100 To 250, Deduct</i>	-12.94	
		<i>For &gt;250 To 500, Deduct</i>	-23.48	
		<i>For &gt;500, Deduct</i>	-34.01	
<b>26 51 19 00-0049</b>		<b>Striplight LED Fixtures (Lithonia TZL1D)</b> <small>(26 51 19 00-0011)</small>		
26 51 19 00-0050	EA	8,077 Lumens, 60 Watt, 8' Length, 3000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 30K 80CRI) .....	387.73	37.99
		<i>For &gt;50 To 100, Deduct</i>	-11.12	
		<i>For &gt;100 To 250, Deduct</i>	-20.81	
		<i>For &gt;250 To 500, Deduct</i>	-38.77	
		<i>For &gt;500, Deduct</i>	-56.73	
26 51 19 00-0051	EA	8,257 Lumens, 60 Watt, 8' Length, 3500K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 35K 80CRI) .....	387.73	37.99
		<i>For &gt;50 To 100, Deduct</i>	-11.12	
		<i>For &gt;100 To 250, Deduct</i>	-20.81	
		<i>For &gt;250 To 500, Deduct</i>	-38.77	
		<i>For &gt;500, Deduct</i>	-56.73	
26 51 19 00-0052	EA	8,386 Lumens, 60 Watt, 8' Length, 4000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 40K 80CRI) .....	387.73	37.99
		<i>For &gt;50 To 100, Deduct</i>	-11.12	
		<i>For &gt;100 To 250, Deduct</i>	-20.81	
		<i>For &gt;250 To 500, Deduct</i>	-38.77	
		<i>For &gt;500, Deduct</i>	-56.73	
26 51 19 00-0053	EA	8,694 Lumens, 60 Watt, 8' Length, 5000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 50K 80CRI) .....	387.73	37.99
		<i>For &gt;50 To 100, Deduct</i>	-11.12	
		<i>For &gt;100 To 250, Deduct</i>	-20.81	
		<i>For &gt;250 To 500, Deduct</i>	-38.77	
		<i>For &gt;500, Deduct</i>	-56.73	
26 51 19 00-0054	EA	11,021 Lumens, 81 Watt, 8' Length, 3000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 30K 80CRI) .....	408.87	37.99
		<i>For &gt;50 To 100, Deduct</i>	-11.65	
		<i>For &gt;100 To 250, Deduct</i>	-21.87	
		<i>For &gt;250 To 500, Deduct</i>	-40.89	
		<i>For &gt;500, Deduct</i>	-59.91	
26 51 19 00-0055	EA	11,267 Lumens, 81 Watt, 8' Length, 3500K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 35K 80CRI) .....	408.87	37.99
		<i>For &gt;50 To 100, Deduct</i>	-11.65	
		<i>For &gt;100 To 250, Deduct</i>	-21.87	
		<i>For &gt;250 To 500, Deduct</i>	-40.89	
		<i>For &gt;500, Deduct</i>	-59.91	
26 51 19 00-0056	EA	11,442 Lumens, 81 Watt, 8' Length, 4000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 40K 80CRI) .....	408.87	37.99
		<i>For &gt;50 To 100, Deduct</i>	-11.65	
		<i>For &gt;100 To 250, Deduct</i>	-21.87	
		<i>For &gt;250 To 500, Deduct</i>	-40.89	
		<i>For &gt;500, Deduct</i>	-59.91	
26 51 19 00-0057	EA	11,864 Lumens, 81 Watt, 8' Length, 5000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 50K 80CRI) .....	408.87	37.99
		<i>For &gt;50 To 100, Deduct</i>	-11.65	
		<i>For &gt;100 To 250, Deduct</i>	-21.87	
		<i>For &gt;250 To 500, Deduct</i>	-40.89	
		<i>For &gt;500, Deduct</i>	-59.91	
26 51 19 00-0058	EA	15,397 Lumens, 121 Watt, 8' Length, 3000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 30K 80CRI) .....	430.13	37.99
		<i>For &gt;50 To 100, Deduct</i>	-12.18	
		<i>For &gt;100 To 250, Deduct</i>	-22.93	
		<i>For &gt;250 To 500, Deduct</i>	-43.01	
		<i>For &gt;500, Deduct</i>	-63.09	
26 51 19 00-0059	EA	15,741 Lumens, 121 Watt, 8' Length, 3500K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 35K 80CRI) .....	430.13	37.99
		<i>For &gt;50 To 100, Deduct</i>	-12.18	
		<i>For &gt;100 To 250, Deduct</i>	-22.93	
		<i>For &gt;250 To 500, Deduct</i>	-43.01	
		<i>For &gt;500, Deduct</i>	-63.09	
26 51 19 00-0060	EA	15,986 Lumens, 121 Watt, 8' Length, 4000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 40K 80CRI) .....	430.13	37.99
		<i>For &gt;50 To 100, Deduct</i>	-12.18	
		<i>For &gt;100 To 250, Deduct</i>	-22.93	
		<i>For &gt;250 To 500, Deduct</i>	-43.01	
		<i>For &gt;500, Deduct</i>	-63.09	
26 51 19 00-0061	EA	16,574 Lumens, 121 Watt, 8' Length, 5000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 50K 80CRI) .....	430.13	37.99
		<i>For &gt;50 To 100, Deduct</i>	-12.18	
		<i>For &gt;100 To 250, Deduct</i>	-22.93	
		<i>For &gt;250 To 500, Deduct</i>	-43.01	
		<i>For &gt;500, Deduct</i>	-63.09	
26 51 19 00-0062		<b>Suspended Linear LED Fixtures</b> <small>(26 51 19 00-0001)</small>		
26 51 19 00-0063		<b>Suspended, Pendant Mounted, Linear LED Fixtures (Lithonia GRD)</b> <small>(26 51 19 00-0062)</small>		





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0064	EA	3,303 Lumens, 25 Watt, 4' Length, 3000K CCT, 4' Length, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID800LMF).....	676.78	32.11
		<i>For &gt;50 To 100, Deduct</i>	-18.13	
		<i>For &gt;100 To 250, Deduct</i>	-35.05	
		<i>For &gt;250 To 500, Deduct</i>	-67.68	
		<i>For &gt;500, Deduct</i>	-100.31	
26 51 19 00-0065	EA	3,401 Lumens, 25 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID800LMF).....	676.78	32.11
		<i>For &gt;50 To 100, Deduct</i>	-18.13	
		<i>For &gt;100 To 250, Deduct</i>	-35.05	
		<i>For &gt;250 To 500, Deduct</i>	-67.68	
		<i>For &gt;500, Deduct</i>	-100.31	
26 51 19 00-0066	EA	3,456 Lumens, 25 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID800LMF).....	676.78	32.11
		<i>For &gt;50 To 100, Deduct</i>	-18.13	
		<i>For &gt;100 To 250, Deduct</i>	-35.05	
		<i>For &gt;250 To 500, Deduct</i>	-67.68	
		<i>For &gt;500, Deduct</i>	-100.31	
26 51 19 00-0067	EA	4,033 Lumens, 32 Watt, 4' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID1000LMF).....	676.78	32.11
		<i>For &gt;50 To 100, Deduct</i>	-18.13	
		<i>For &gt;100 To 250, Deduct</i>	-35.05	
		<i>For &gt;250 To 500, Deduct</i>	-67.68	
		<i>For &gt;500, Deduct</i>	-100.31	
26 51 19 00-0068	EA	4,153 Lumens, 32 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID1000LMF).....	676.78	32.11
		<i>For &gt;50 To 100, Deduct</i>	-18.13	
		<i>For &gt;100 To 250, Deduct</i>	-35.05	
		<i>For &gt;250 To 500, Deduct</i>	-67.68	
		<i>For &gt;500, Deduct</i>	-100.31	
26 51 19 00-0069	EA	4,220 Lumens, 32 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID1000LMF).....	676.78	32.11
		<i>For &gt;50 To 100, Deduct</i>	-18.13	
		<i>For &gt;100 To 250, Deduct</i>	-35.05	
		<i>For &gt;250 To 500, Deduct</i>	-67.68	
		<i>For &gt;500, Deduct</i>	-100.31	
26 51 19 00-0070	EA	4,843 Lumens, 40 Watt, 4' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID1300LMF).....	676.78	32.11
		<i>For &gt;50 To 100, Deduct</i>	-18.13	
		<i>For &gt;100 To 250, Deduct</i>	-35.05	
		<i>For &gt;250 To 500, Deduct</i>	-67.68	
		<i>For &gt;500, Deduct</i>	-100.31	
26 51 19 00-0071	EA	4,987 Lumens, 40 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID1300LMF).....	676.78	32.11
		<i>For &gt;50 To 100, Deduct</i>	-18.13	
		<i>For &gt;100 To 250, Deduct</i>	-35.05	
		<i>For &gt;250 To 500, Deduct</i>	-67.68	
		<i>For &gt;500, Deduct</i>	-100.31	
26 51 19 00-0072	EA	5,067 Lumens, 40 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID1300LMF).....	676.78	32.11
		<i>For &gt;50 To 100, Deduct</i>	-18.13	
		<i>For &gt;100 To 250, Deduct</i>	-35.05	
		<i>For &gt;250 To 500, Deduct</i>	-67.68	
		<i>For &gt;500, Deduct</i>	-100.31	
26 51 19 00-0073	EA	5,841 Lumens, 51 Watt, 4' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID1500LMF).....	676.78	32.11
		<i>For &gt;50 To 100, Deduct</i>	-18.13	
		<i>For &gt;100 To 250, Deduct</i>	-35.05	
		<i>For &gt;250 To 500, Deduct</i>	-67.68	
		<i>For &gt;500, Deduct</i>	-100.31	
26 51 19 00-0074	EA	6,015 Lumens, 51 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID1500LMF).....	676.78	32.11
		<i>For &gt;50 To 100, Deduct</i>	-18.13	
		<i>For &gt;100 To 250, Deduct</i>	-35.05	
		<i>For &gt;250 To 500, Deduct</i>	-67.68	
		<i>For &gt;500, Deduct</i>	-100.31	
26 51 19 00-0075	EA	6,111 Lumens, 51 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID1500LMF).....	676.78	32.11
		<i>For &gt;50 To 100, Deduct</i>	-18.13	
		<i>For &gt;100 To 250, Deduct</i>	-35.05	
		<i>For &gt;250 To 500, Deduct</i>	-67.68	
		<i>For &gt;500, Deduct</i>	-100.31	
26 51 19 00-0076	EA	6,606 Lumens, 50 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID800LMF).....	1,012.61	37.99
		<i>For &gt;50 To 100, Deduct</i>	-26.74	
		<i>For &gt;100 To 250, Deduct</i>	-52.06	
		<i>For &gt;250 To 500, Deduct</i>	-101.26	
		<i>For &gt;500, Deduct</i>	-150.47	
26 51 19 00-0077	EA	6,802 Lumens, 50 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID800LMF).....	1,012.61	37.99
		<i>For &gt;50 To 100, Deduct</i>	-26.74	
		<i>For &gt;100 To 250, Deduct</i>	-52.06	
		<i>For &gt;250 To 500, Deduct</i>	-101.26	
		<i>For &gt;500, Deduct</i>	-150.47	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0078	EA		6,912 Lumens, 50 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID800LMF).....	1,012.61	37.99
			<i>For &gt;50 To 100, Deduct</i>	-26.74	
			<i>For &gt;100 To 250, Deduct</i>	-52.06	
			<i>For &gt;250 To 500, Deduct</i>	-101.26	
			<i>For &gt;500, Deduct</i>	-150.47	
26 51 19 00-0079	EA		8,066 Lumens, 64 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID1000LMF).....	1,012.61	37.99
			<i>For &gt;50 To 100, Deduct</i>	-26.74	
			<i>For &gt;100 To 250, Deduct</i>	-52.06	
			<i>For &gt;250 To 500, Deduct</i>	-101.26	
			<i>For &gt;500, Deduct</i>	-150.47	
26 51 19 00-0080	EA		8,303 Lumens, 64 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID1000LMF).....	1,012.61	37.99
			<i>For &gt;50 To 100, Deduct</i>	-26.74	
			<i>For &gt;100 To 250, Deduct</i>	-52.06	
			<i>For &gt;250 To 500, Deduct</i>	-101.26	
			<i>For &gt;500, Deduct</i>	-150.47	
26 51 19 00-0081	EA		8,440 Lumens, 64 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID1000LMF).....	1,012.61	37.99
			<i>For &gt;50 To 100, Deduct</i>	-26.74	
			<i>For &gt;100 To 250, Deduct</i>	-52.06	
			<i>For &gt;250 To 500, Deduct</i>	-101.26	
			<i>For &gt;500, Deduct</i>	-150.47	
26 51 19 00-0082	EA		9,686 Lumens, 80 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID1300LMF).....	1,012.61	37.99
			<i>For &gt;50 To 100, Deduct</i>	-26.74	
			<i>For &gt;100 To 250, Deduct</i>	-52.06	
			<i>For &gt;250 To 500, Deduct</i>	-101.26	
			<i>For &gt;500, Deduct</i>	-150.47	
26 51 19 00-0083	EA		9,974 Lumens, 80 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID1300LMF).....	1,012.61	37.99
			<i>For &gt;50 To 100, Deduct</i>	-26.74	
			<i>For &gt;100 To 250, Deduct</i>	-52.06	
			<i>For &gt;250 To 500, Deduct</i>	-101.26	
			<i>For &gt;500, Deduct</i>	-150.47	
26 51 19 00-0084	EA		10,134 Lumens, 80 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID1300LMF).....	1,012.61	37.99
			<i>For &gt;50 To 100, Deduct</i>	-26.74	
			<i>For &gt;100 To 250, Deduct</i>	-52.06	
			<i>For &gt;250 To 500, Deduct</i>	-101.26	
			<i>For &gt;500, Deduct</i>	-150.47	
26 51 19 00-0085	EA		11,682 Lumens, 102 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID1500LMF).....	1,012.61	37.99
			<i>For &gt;50 To 100, Deduct</i>	-26.74	
			<i>For &gt;100 To 250, Deduct</i>	-52.06	
			<i>For &gt;250 To 500, Deduct</i>	-101.26	
			<i>For &gt;500, Deduct</i>	-150.47	
26 51 19 00-0086	EA		12,030 Lumens, 102 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID1500LMF).....	1,012.61	37.99
			<i>For &gt;50 To 100, Deduct</i>	-26.74	
			<i>For &gt;100 To 250, Deduct</i>	-52.06	
			<i>For &gt;250 To 500, Deduct</i>	-101.26	
			<i>For &gt;500, Deduct</i>	-150.47	
26 51 19 00-0087	EA		12,222 Lumens, 102 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID1500LMF).....	1,012.61	37.99
			<i>For &gt;50 To 100, Deduct</i>	-26.74	
			<i>For &gt;100 To 250, Deduct</i>	-52.06	
			<i>For &gt;250 To 500, Deduct</i>	-101.26	
			<i>For &gt;500, Deduct</i>	-150.47	
26 51 19 00-0088			Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0089			Prismatic Lensed, Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0088)</small>		
26 51 19 00-0090			Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 19 00-0089)</small>		
26 51 19 00-0091	EA		1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4).....	561.54	31.84
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	40.14	
			<i>For &gt;50 To 100, Deduct</i>	-15.24	
			<i>For &gt;100 To 250, Deduct</i>	-29.28	
			<i>For &gt;250 To 500, Deduct</i>	-56.15	
			<i>For &gt;500, Deduct</i>	-83.02	
26 51 19 00-0092	EA		2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2).....	305.27	35.09
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.69	
			<i>For &gt;50 To 100, Deduct</i>	-8.95	
			<i>For &gt;100 To 250, Deduct</i>	-16.58	
			<i>For &gt;250 To 500, Deduct</i>	-30.53	
			<i>For &gt;500, Deduct</i>	-44.47	
26 51 19 00-0093	EA		2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4).....	563.65	40.88
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	43.54	
			<i>For &gt;50 To 100, Deduct</i>	-15.63	
			<i>For &gt;100 To 250, Deduct</i>	-29.72	
			<i>For &gt;250 To 500, Deduct</i>	-56.37	
			<i>For &gt;500, Deduct</i>	-83.01	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 51 19 00-0094 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera)</b> <small>(26 51 19 00-0089)</small>		
26 51 19 00-0095 EA 1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4) .....	814.04	31.84
For >50 To 100, Deduct	-21.56	
For >100 To 250, Deduct	-41.91	
For >250 To 500, Deduct	-81.40	
For >500, Deduct	-120.90	
26 51 19 00-0096 EA 2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5) .....	567.72	35.09
For >50 To 100, Deduct	-15.51	
For >100 To 250, Deduct	-29.70	
For >250 To 500, Deduct	-56.77	
For >500, Deduct	-83.84	
26 51 19 00-0097 EA 2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4) .....	741.45	40.88
For >50 To 100, Deduct	-20.07	
For >100 To 250, Deduct	-38.61	
For >250 To 500, Deduct	-74.15	
For >500, Deduct	-109.68	
<b>26 51 19 00-0098 Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED)</b> <small>(26 51 19 00-0089)</small>		
26 51 19 00-0099 EA 2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	369.30	35.09
For >50 To 100, Deduct	-10.55	
For >100 To 250, Deduct	-19.78	
For >250 To 500, Deduct	-36.93	
For >500, Deduct	-54.08	
26 51 19 00-0100 EA 3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	410.16	35.09
For >50 To 100, Deduct	-11.57	
For >100 To 250, Deduct	-21.82	
For >250 To 500, Deduct	-41.02	
For >500, Deduct	-60.21	
26 51 19 00-0101 EA 3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40) .....	346.83	35.09
For >50 To 100, Deduct	-9.99	
For >100 To 250, Deduct	-18.66	
For >250 To 500, Deduct	-34.68	
For >500, Deduct	-50.71	
26 51 19 00-0102 EA 4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45) .....	346.83	35.09
For >50 To 100, Deduct	-9.99	
For >100 To 250, Deduct	-18.66	
For >250 To 500, Deduct	-34.68	
For >500, Deduct	-50.71	
26 51 19 00-0103 EA 4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50) .....	373.39	35.09
For >50 To 100, Deduct	-10.65	
For >100 To 250, Deduct	-19.99	
For >250 To 500, Deduct	-37.34	
For >500, Deduct	-54.69	
<b>26 51 19 00-0104 Volumetric, Lay-In/Troffer LED Fixtures</b> <small>(26 51 19 00-0088)</small>		
<b>26 51 19 00-0105 Volumetric, Lay-In/Troffer LED Fixtures (Lithonia)</b> <small>(26 51 19 00-0104)</small>		
26 51 19 00-0106 EA 1' x 4', 2,500 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4) .....	272.75	31.84
For Drywall Or Plaster Ceilings, Add	21.71	
For >50 To 100, Deduct	-8.03	
For >100 To 250, Deduct	-14.84	
For >250 To 500, Deduct	-27.28	
For >500, Deduct	-39.71	
26 51 19 00-0107 EA 2' x 2', 2,400 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2) .....	244.28	35.09
For Drywall Or Plaster Ceilings With Frame Kit, Add	25.37	
For >50 To 100, Deduct	-7.42	
For >100 To 250, Deduct	-13.53	
For >250 To 500, Deduct	-24.43	
For >500, Deduct	-35.33	
26 51 19 00-0108 EA 2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2) .....	368.56	35.09
For Drywall Or Plaster Ceilings With Frame Kit, Add	31.59	
For >50 To 100, Deduct	-10.53	
For >100 To 250, Deduct	-19.74	
For >250 To 500, Deduct	-36.86	
For >500, Deduct	-53.97	
26 51 19 00-0109 EA 2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2) .....	248.47	35.09
For >50 To 100, Deduct	-7.53	
For >100 To 250, Deduct	-13.74	
For >250 To 500, Deduct	-24.85	
For >500, Deduct	-35.95	
26 51 19 00-0110 EA 2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4) .....	271.57	40.88
For Drywall Or Plaster Ceilings With Frame Kit, Add	28.93	
For >50 To 100, Deduct	-8.32	
For >100 To 250, Deduct	-15.11	
For >250 To 500, Deduct	-27.16	
For >500, Deduct	-39.20	
26 51 19 00-0111 EA 2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4) .....	285.91	40.88
For Drywall Or Plaster Ceilings With Frame Kit, Add	29.65	
For >50 To 100, Deduct	-8.68	
For >100 To 250, Deduct	-15.83	
For >250 To 500, Deduct	-28.59	
For >500, Deduct	-41.35	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0112	EA		2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4) .....	481.66	40.88
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	39.44	
			<i>For &gt;50 To 100, Deduct</i>	-13.58	
			<i>For &gt;100 To 250, Deduct</i>	-25.62	
			<i>For &gt;250 To 500, Deduct</i>	-48.17	
			<i>For &gt;500, Deduct</i>	-70.71	
26 51 19 00-0113			Architectural, Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0088)</small>		
26 51 19 00-0114			Architectural, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 19 00-0113)</small>		
			Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0115	EA		2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	344.69	40.88
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	32.59	
			<i>For &gt;50 To 100, Deduct</i>	-10.15	
			<i>For &gt;100 To 250, Deduct</i>	-18.77	
			<i>For &gt;250 To 500, Deduct</i>	-34.47	
			<i>For &gt;500, Deduct</i>	-50.17	
26 51 19 00-0116	EA		4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	405.03	40.88
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	35.60	
			<i>For &gt;50 To 100, Deduct</i>	-11.66	
			<i>For &gt;100 To 250, Deduct</i>	-21.79	
			<i>For &gt;250 To 500, Deduct</i>	-40.50	
			<i>For &gt;500, Deduct</i>	-59.22	
26 51 19 00-0117	EA		6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	459.34	40.88
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	38.32	
			<i>For &gt;50 To 100, Deduct</i>	-13.02	
			<i>For &gt;100 To 250, Deduct</i>	-24.50	
			<i>For &gt;250 To 500, Deduct</i>	-45.93	
			<i>For &gt;500, Deduct</i>	-67.37	
26 51 19 00-0118			Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) <small>(26 51 19 00-0113)</small>		
			Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0119	EA		1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) .....	378.48	40.88
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.99	
			<i>For Drywall Or Plaster Ceilings, Add</i>	115.51	
			<i>For Surface Mount, Add</i>	203.04	
			<i>For &gt;50 To 100, Deduct</i>	-11.00	
			<i>For &gt;100 To 250, Deduct</i>	-20.46	
			<i>For &gt;250 To 500, Deduct</i>	-37.85	
			<i>For &gt;500, Deduct</i>	-55.24	
26 51 19 00-0120	EA		1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) .....	408.38	40.88
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.99	
			<i>For Drywall Or Plaster Ceilings, Add</i>	115.51	
			<i>For Surface Mount, Add</i>	203.04	
			<i>For &gt;50 To 100, Deduct</i>	-11.74	
			<i>For &gt;100 To 250, Deduct</i>	-21.95	
			<i>For &gt;250 To 500, Deduct</i>	-40.84	
			<i>For &gt;500, Deduct</i>	-59.72	
26 51 19 00-0121	EA		1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) .....	408.38	40.88
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.99	
			<i>For Drywall Or Plaster Ceilings, Add</i>	115.51	
			<i>For Surface Mount, Add</i>	203.04	
			<i>For &gt;50 To 100, Deduct</i>	-11.74	
			<i>For &gt;100 To 250, Deduct</i>	-21.95	
			<i>For &gt;250 To 500, Deduct</i>	-40.84	
			<i>For &gt;500, Deduct</i>	-59.72	
26 51 19 00-0122	EA		1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) .....	452.51	40.88
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.99	
			<i>For Drywall Or Plaster Ceilings, Add</i>	115.51	
			<i>For Surface Mount, Add</i>	203.04	
			<i>For &gt;50 To 100, Deduct</i>	-12.85	
			<i>For &gt;100 To 250, Deduct</i>	-24.16	
			<i>For &gt;250 To 500, Deduct</i>	-45.25	
			<i>For &gt;500, Deduct</i>	-66.34	
26 51 19 00-0123	EA		2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) .....	352.80	35.09
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.99	
			<i>For Drywall Or Plaster Ceilings, Add</i>	101.04	
			<i>For Surface Mount, Add</i>	191.33	
			<i>For &gt;50 To 100, Deduct</i>	-10.14	
			<i>For &gt;100 To 250, Deduct</i>	-18.96	
			<i>For &gt;250 To 500, Deduct</i>	-35.28	
			<i>For &gt;500, Deduct</i>	-51.60	
26 51 19 00-0124	EA		2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) .....	332.70	35.09
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.99	
			<i>For Drywall Or Plaster Ceilings, Add</i>	101.04	
			<i>For Surface Mount, Add</i>	191.33	
			<i>For &gt;50 To 100, Deduct</i>	-9.63	
			<i>For &gt;100 To 250, Deduct</i>	-17.95	
			<i>For &gt;250 To 500, Deduct</i>	-33.27	
			<i>For &gt;500, Deduct</i>	-48.59	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0125 EA 2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) .....	395.06	40.88
Note: CCT 30K to 50K		
For Expanded Size Junction Box For Through Wiring, Add	3.99	
For Drywall Or Plaster Ceilings, Add	118.35	
For Surface Mount, Add	221.55	
For >50 To 100, Deduct	-11.41	
For >100 To 250, Deduct	-21.29	
For >250 To 500, Deduct	-39.51	
For >500, Deduct	-57.72	
26 51 19 00-0126 EA 2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) .....	408.38	40.88
Note: CCT 30K to 50K		
For Expanded Size Junction Box For Through Wiring, Add	3.99	
For Drywall Or Plaster Ceilings, Add	118.35	
For Surface Mount, Add	221.55	
For >50 To 100, Deduct	-11.74	
For >100 To 250, Deduct	-21.95	
For >250 To 500, Deduct	-40.84	
For >500, Deduct	-59.72	
26 51 19 00-0127 EA 2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) .....	408.38	40.88
Note: CCT 30K to 50K		
For Expanded Size Junction Box For Through Wiring, Add	3.99	
For Drywall Or Plaster Ceilings, Add	118.35	
For Surface Mount, Add	221.55	
For >50 To 100, Deduct	-11.74	
For >100 To 250, Deduct	-21.95	
For >250 To 500, Deduct	-40.84	
For >500, Deduct	-59.72	
26 51 19 00-0128 EA 2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™) .....	520.84	40.88
Note: CCT 30K to 50K		
For Expanded Size Junction Box For Through Wiring, Add	3.99	
For Drywall Or Plaster Ceilings, Add	118.35	
For Surface Mount, Add	221.55	
For >50 To 100, Deduct	-14.56	
For >100 To 250, Deduct	-27.58	
For >250 To 500, Deduct	-52.08	
For >500, Deduct	-76.59	
26 51 19 00-0129 EA 2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) .....	452.51	40.88
Note: CCT 30K to 50K		
For Expanded Size Junction Box For Through Wiring, Add	3.99	
For Drywall Or Plaster Ceilings, Add	118.35	
For Surface Mount, Add	221.55	
For >50 To 100, Deduct	-12.85	
For >100 To 250, Deduct	-24.16	
For >250 To 500, Deduct	-45.25	
For >500, Deduct	-66.34	
<b>26 51 19 00-0130 Architectural, Lay-In/Troffer LED Fixtures (Metalux®)</b> <small>(26 51 19 00-0113)</small>		
Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0131 EA 2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC) .....	245.97	35.09
For >50 To 100, Deduct	-7.47	
For >100 To 250, Deduct	-13.61	
For >250 To 500, Deduct	-24.60	
For >500, Deduct	-35.58	
26 51 19 00-0132 EA 2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC) .....	327.69	40.88
For >50 To 100, Deduct	-9.73	
For >100 To 250, Deduct	-17.92	
For >250 To 500, Deduct	-32.77	
For >500, Deduct	-47.62	
<b>26 51 19 00-0133 Architectural, Lay-In/Troffer LED Fixtures (Finelite)</b> <small>(26 51 19 00-0113)</small>		
Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0134 EA 2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2) .....	369.85	35.09
For >50 To 100, Deduct	-10.56	
For >100 To 250, Deduct	-19.81	
For >250 To 500, Deduct	-36.99	
For >500, Deduct	-54.16	
26 51 19 00-0135 EA 2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2) .....	503.98	41.23
For >50 To 100, Deduct	-14.13	
For >100 To 250, Deduct	-26.73	
For >250 To 500, Deduct	-50.40	
For >500, Deduct	-74.06	
<b>26 51 19 00-0136 Shadow Box Style, Lay-In/Troffer LED Fixtures</b> <small>(26 51 19 00-0088)</small>		
<b>26 51 19 00-0137 Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL)</b> <small>(26 51 19 00-0136)</small>		
26 51 19 00-0138 EA 2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2) .....	595.58	35.09
For Drywall Or Plaster Ceilings, Add	23.69	
For >50 To 100, Deduct	-16.21	
For >100 To 250, Deduct	-31.10	
For >250 To 500, Deduct	-59.56	
For >500, Deduct	-88.02	

**26 Electrical**  
**26 50 Lighting**  
 26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0139	EA		2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)..... <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	815.25 56.12 -21.92 -42.30 -81.53 -120.75	40.88
<b>26 51 19 00-0140</b>			<b>Panel Type, Lay-In/Troffer LED Fixtures</b> <small>(26 51 19 00-0088)</small>		
<b>26 51 19 00-0141</b>			<b>Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy)</b> <small>(26 51 19 00-0140)</small>		
26 51 19 00-0142	EA		1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	400.06 -11.54 -21.54 -40.01 -58.47	40.88
26 51 19 00-0143	EA		2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	416.29 -11.94 -22.35 -41.63 -60.91	40.88
26 51 19 00-0144	EA		2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	523.76 -14.63 -27.72 -52.38 -77.03	40.88
26 51 19 00-0145	EA		2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	523.76 -14.63 -27.72 -52.38 -77.03	40.88
<b>26 51 19 00-0146</b>			<b>Panel Type, Lay-In/Troffer LED Fixtures (Sylvania)</b> <small>(26 51 19 00-0140)</small>		
26 51 19 00-0147	EA		1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH)..... <i>For Surface Mounting Kit (Sylvania SMKIT1A/14A/WH), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	204.09 53.30 -6.64 -11.74 -20.41 -29.08	40.88
26 51 19 00-0148	EA		2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	211.04 -6.81 -12.09 -21.10 -30.12	40.88
26 51 19 00-0149	EA		2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH)..... <i>For Surface Mounting Kit (Sylvania SMKIT1A/24A/WH)</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	214.22 66.63 -6.89 -12.25 -21.42 -30.60	40.88
26 51 19 00-0150	EA		2' x 4', 3,300 Lumens, 32 Watt, 3500K CCT, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMKIT1A/24A/WH)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	514.48 -14.40 -27.26 -51.45 -75.64	40.88
<b>26 51 19 00-0151</b>			<b>Panel Type, Lay-In/Troffer LED Fixtures (Lithonia)</b> <small>(26 51 19 00-0140)</small>		
26 51 19 00-0152	EA		2' x 4', 4000/5000/6000 Lumens, 3500K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X4 40/50/60LM 35K M2) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	242.95 -7.61 -13.68 -24.30 -34.91	40.88
26 51 19 00-0153	EA		2' x 4', 4000/5000/6000 Lumens, 4000K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X4 40/50/60LM 40K M2) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	242.95 -7.61 -13.68 -24.30 -34.91	40.88
26 51 19 00-0154	EA		2' x 2', 2400/3300/4000/Lumens, 3500K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X2 24/33/44LM 35K M4) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	193.36 -6.37 -11.20 -19.34 -27.47	40.88
26 51 19 00-0155	EA		2' x 2', 2400/3300/4000/Lumens, 4000K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X2 24/33/44LM 40K M4) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	193.36 -6.37 -11.20 -19.34 -27.47	40.88



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0156 EA 1' x 4', 2400/3300/4000/Lumens, 3500K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 1X4 24/33/44LM 35K M4) .....	215.09	40.88
For >50 To 100, Deduct	-6.91	
For >100 To 250, Deduct	-12.29	
For >250 To 500, Deduct	-21.51	
For >500, Deduct	-30.73	
26 51 19 00-0157 EA 1' x 4', 2400/3300/4000/Lumens, 4000K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 1X4 24/33/44LM 40K M4) .....	215.09	40.88
For >50 To 100, Deduct	-6.91	
For >100 To 250, Deduct	-12.29	
For >250 To 500, Deduct	-21.51	
For >500, Deduct	-30.73	
<b>26 51 19 00-0158 Surface Mount LED Fixtures (26 51 19 00-0001)</b>		
<b>26 51 19 00-0159 Surface Mount, Volumetric LED Fixtures (Lithonia STL) (26 51 19 00-0158)</b>		
26 51 19 00-0160 EA 2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2) .....	304.66	26.31
For >50 To 100, Deduct	-8.60	
For >100 To 250, Deduct	-16.22	
For >250 To 500, Deduct	-30.47	
For >500, Deduct	-44.71	
26 51 19 00-0161 EA 4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4) .....	301.81	32.11
For >50 To 100, Deduct	-8.75	
For >100 To 250, Deduct	-16.30	
For >250 To 500, Deduct	-30.18	
For >500, Deduct	-44.07	
26 51 19 00-0162 EA 4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4) .....	307.08	32.11
For >50 To 100, Deduct	-8.88	
For >100 To 250, Deduct	-16.56	
For >250 To 500, Deduct	-30.71	
For >500, Deduct	-44.86	
<b>26 51 19 00-0163 Surface Mount, Wraparound LED Fixtures (Lithonia LBL) (26 51 19 00-0158)</b>		
26 51 19 00-0164 EA 2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2) .....	254.00	26.31
For >50 To 100, Deduct	-7.34	
For >100 To 250, Deduct	-13.69	
For >250 To 500, Deduct	-25.40	
For >500, Deduct	-37.11	
26 51 19 00-0165 EA 4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4) .....	334.39	32.11
For >50 To 100, Deduct	-9.57	
For >100 To 250, Deduct	-17.93	
For >250 To 500, Deduct	-33.44	
For >500, Deduct	-48.95	
<b>26 51 19 00-0166 Surface Mount, Shadow Box Style LED Fixtures (26 51 19 00-0158)</b>		
<b>26 51 19 00-0167 Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) (26 51 19 00-0166)</b>		
26 51 19 00-0168 EA 2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2) .....	767.95	35.09
For >50 To 100, Deduct	-20.51	
For >100 To 250, Deduct	-39.71	
For >250 To 500, Deduct	-76.80	
For >500, Deduct	-113.88	
26 51 19 00-0169 EA 2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4) .....	987.62	40.88
For >50 To 100, Deduct	-26.23	
For >100 To 250, Deduct	-50.92	
For >250 To 500, Deduct	-98.76	
For >500, Deduct	-146.61	
<b>26 51 19 00-0170 Surface Mount, Low Profile Fixtures (26 51 19 00-0158)</b>		
26 51 19 00-0171 EA 6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90) .....	92.08	24.06
For >50 To 100, Deduct	-3.51	
For >100 To 250, Deduct	-5.81	
For >250 To 500, Deduct	-9.21	
For >500, Deduct	-12.61	
26 51 19 00-0172 EA 6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569) .....	72.99	24.06
For >50 To 100, Deduct	-3.03	
For >100 To 250, Deduct	-4.85	
For >250 To 500, Deduct	-7.30	
For >500, Deduct	-9.75	
26 51 19 00-0173 EA 13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329) .....	132.15	24.06
For >50 To 100, Deduct	-4.51	
For >100 To 250, Deduct	-7.81	
For >250 To 500, Deduct	-13.22	
For >500, Deduct	-18.62	
26 51 19 00-0174 EA 15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330) .....	162.68	24.06
For >50 To 100, Deduct	-5.27	
For >100 To 250, Deduct	-9.34	
For >250 To 500, Deduct	-16.27	
For >500, Deduct	-23.20	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0175			Surface Mount, Wall Bracket Fixtures (Lithonia WL2) <small>(26 51 19 00-0158)</small>		
26 51 19 00-0176	EA	2'	771 Lumens, 7.5 Watt, 3000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 08L LP830) .....	310.50	28.81
			For >50 To 100, Deduct	-8.84	
			For >100 To 250, Deduct	-16.61	
			For >250 To 500, Deduct	-31.05	
			For >500, Deduct	-45.49	
26 51 19 00-0177	EA	2'	809 Lumens, 7.5 Watt, 3500K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 08L LP835) .....	306.76	26.31
			For >50 To 100, Deduct	-8.66	
			For >100 To 250, Deduct	-16.33	
			For >250 To 500, Deduct	-30.68	
			For >500, Deduct	-45.03	
26 51 19 00-0178	EA	2'	848 Lumens, 7.5 Watt, 4000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 08L LP840) .....	306.76	26.31
			For >50 To 100, Deduct	-8.66	
			For >100 To 250, Deduct	-16.33	
			For >250 To 500, Deduct	-30.68	
			For >500, Deduct	-45.03	
26 51 19 00-0179	EA	2'	877 Lumens, 7.5 Watt, 5000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 08L LP850) .....	306.76	26.31
			For >50 To 100, Deduct	-8.66	
			For >100 To 250, Deduct	-16.33	
			For >250 To 500, Deduct	-30.68	
			For >500, Deduct	-45.03	
26 51 19 00-0180	EA	2'	1,190 Lumens, 12.2 Watt, 3000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 12L LP830) .....	358.22	26.31
			For >50 To 100, Deduct	-9.94	
			For >100 To 250, Deduct	-18.90	
			For >250 To 500, Deduct	-35.82	
			For >500, Deduct	-52.75	
26 51 19 00-0181	EA	2'	1,249 Lumens, 12.2 Watt, 3500K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 12L LP835) .....	358.22	26.31
			For >50 To 100, Deduct	-9.94	
			For >100 To 250, Deduct	-18.90	
			For >250 To 500, Deduct	-35.82	
			For >500, Deduct	-52.75	
26 51 19 00-0182	EA	2'	1,311 Lumens, 12.2 Watt, 4000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 12L LP840) .....	358.22	26.31
			For >50 To 100, Deduct	-9.94	
			For >100 To 250, Deduct	-18.90	
			For >250 To 500, Deduct	-35.82	
			For >500, Deduct	-52.75	
26 51 19 00-0183	EA	2'	1,364 Lumens, 12.2 Watt, 5000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 12L LP850) .....	358.22	26.31
			For >50 To 100, Deduct	-9.94	
			For >100 To 250, Deduct	-18.90	
			For >250 To 500, Deduct	-35.82	
			For >500, Deduct	-52.75	
26 51 19 00-0184	EA	2'	1,711 Lumens, 17.5 Watt, 3000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 18L LP830) .....	383.89	26.31
			For >50 To 100, Deduct	-10.58	
			For >100 To 250, Deduct	-20.18	
			For >250 To 500, Deduct	-38.39	
			For >500, Deduct	-56.60	
26 51 19 00-0185	EA	2'	1,796 Lumens, 17.5 Watt, 3500K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 18L LP835) .....	383.89	26.31
			For >50 To 100, Deduct	-10.58	
			For >100 To 250, Deduct	-20.18	
			For >250 To 500, Deduct	-38.39	
			For >500, Deduct	-56.60	
26 51 19 00-0186	EA	2'	1,889 Lumens, 17.5 Watt, 4000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 18L LP840) .....	383.89	26.31
			For >50 To 100, Deduct	-10.58	
			For >100 To 250, Deduct	-20.18	
			For >250 To 500, Deduct	-38.39	
			For >500, Deduct	-56.60	
26 51 19 00-0187	EA	2'	1,966 Lumens, 17.5 Watt, 5000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 18L LP850) .....	383.89	26.31
			For >50 To 100, Deduct	-10.58	
			For >100 To 250, Deduct	-20.18	
			For >250 To 500, Deduct	-38.39	
			For >500, Deduct	-56.60	
26 51 19 00-0188	EA	2'	2,086 Lumens, 21 Watt, 3000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 22L LP830) .....	383.89	26.31
			For >50 To 100, Deduct	-10.58	
			For >100 To 250, Deduct	-20.18	
			For >250 To 500, Deduct	-38.39	
			For >500, Deduct	-56.60	
26 51 19 00-0189	EA	2'	2,120.5 Lumens, 21 Watt, 3500K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 22L LP835) .....	383.89	26.31
			For >50 To 100, Deduct	-10.58	
			For >100 To 250, Deduct	-20.18	
			For >250 To 500, Deduct	-38.39	
			For >500, Deduct	-56.60	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0190 EA 2', 2,189.4 Lumens, 21 Watt, 4000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 22L LP840).....	383.89	26.31
For >50 To 100, Deduct	-10.58	
For >100 To 250, Deduct	-20.18	
For >250 To 500, Deduct	-38.39	
For >500, Deduct	-56.60	
26 51 19 00-0191 EA 2', 2,258.4 Lumens, 21 Watt, 5000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 22L LP850).....	383.89	26.31
For >50 To 100, Deduct	-10.58	
For >100 To 250, Deduct	-20.18	
For >250 To 500, Deduct	-38.39	
For >500, Deduct	-56.60	
<b>26 51 19 00-0192 Recessed LED Downlights (26 51 19 00-0001)</b>		
<b>26 51 19 00-0193 Recessed LED Downlights (26 51 19 00-0192)</b>		
<b>26 51 19 00-0194 Recessed LED Downlights (Lithonia) (26 51 19 00-0193)</b>		
Note: Includes housing and trim.		
26 51 19 00-0195 EA 8" Diameter, 1,200 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	344.26	42.26
For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	72.70	
For >50 To 100, Deduct	-10.19	
For >100 To 250, Deduct	-18.80	
For >250 To 500, Deduct	-34.43	
For >500, Deduct	-50.05	
26 51 19 00-0196 EA 8" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	374.43	42.26
For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	72.70	
For >50 To 100, Deduct	-10.95	
For >100 To 250, Deduct	-20.31	
For >250 To 500, Deduct	-37.44	
For >500, Deduct	-54.58	
26 51 19 00-0197 EA 6" Round, 1,000 Lumens, 12.8 Watt, Open And Wall Wash LED Non-IC Downlight (Lithonia Lighting LDN6 35/10 MVOLT EZ10 HSG).....	318.28	42.26
For >50 To 100, Deduct	-9.54	
For >100 To 250, Deduct	-17.50	
For >250 To 500, Deduct	-31.83	
For >500, Deduct	-46.16	
26 51 19 00-0198 EA 6" Round, 1,500 Lumens, 20.5 Watt, Open And Wall Wash LED Non-IC Downlight (Lithonia Lighting LDN6 35/15 MVOLT EZ10 HSG).....	327.45	42.26
For >50 To 100, Deduct	-9.77	
For >100 To 250, Deduct	-17.96	
For >250 To 500, Deduct	-32.75	
For >500, Deduct	-47.53	
26 51 19 00-0199 EA 6" Round, 2,000 Lumens, 22.6 Watt, Open And Wall Wash LED Non-IC Downlight (Lithonia Lighting LDN6 35/20 MVOLT EZ10 HSG).....	336.61	42.26
For >50 To 100, Deduct	-10.00	
For >100 To 250, Deduct	-18.42	
For >250 To 500, Deduct	-33.66	
For >500, Deduct	-48.91	
26 51 19 00-0200 EA 6" Round, 2,500 Lumens, 27.1 Watt, Open And Wall Wash LED Non-IC Downlight (Lithonia Lighting LDN6 35/25 MVOLT EZ10 HSG).....	373.29	42.26
For >50 To 100, Deduct	-10.92	
For >100 To 250, Deduct	-20.25	
For >250 To 500, Deduct	-37.33	
For >500, Deduct	-54.41	
26 51 19 00-0201 EA 6" Round, 3,000 Lumens, 34.7 Watt, Open And Wall Wash LED Non-IC Downlight (Lithonia Lighting LDN6 35/25 MVOLT EZ10 HSG).....	391.63	42.26
For >50 To 100, Deduct	-11.38	
For >100 To 250, Deduct	-21.17	
For >250 To 500, Deduct	-39.16	
For >500, Deduct	-57.16	
<b>26 51 19 00-0202 Recessed LED Downlights (Portfolio®) (26 51 19 00-0193)</b>		
Note: Includes housing and trim.		
26 51 19 00-0203 EA 4" Diameter, 1,300 Lumens, Recessed LED Downlight With Open Trim (Portfolio® LD413).....	215.93	42.26
For >50 To 100, Deduct	-6.98	
For >100 To 250, Deduct	-12.38	
For >250 To 500, Deduct	-21.59	
For >500, Deduct	-30.80	
<b>26 51 19 00-0204 Recessed LED Downlights (Gotham® EVO®) (26 51 19 00-0193)</b>		
Note: Includes housing and trim.		
26 51 19 00-0205 EA 6" Diameter, 1,800 Lumens, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED).....	260.73	42.26
For >50 To 100, Deduct	-8.10	
For >100 To 250, Deduct	-14.62	
For >250 To 500, Deduct	-26.07	
For >500, Deduct	-37.52	
26 51 19 00-0206 EA 6" Diameter, 1,800 Lumens, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED).....	269.07	42.26
For >50 To 100, Deduct	-8.31	
For >100 To 250, Deduct	-15.04	
For >250 To 500, Deduct	-26.91	
For >500, Deduct	-38.78	

**26 Electrical**  
**26 50 Lighting**  
**26 51 Interior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0207	EA	6" Diameter, 1,800 Lumens, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED).....	303.28	42.26
			<i>For &gt;50 To 100, Deduct</i>	-9.17	
			<i>For &gt;100 To 250, Deduct</i>	-16.75	
			<i>For &gt;250 To 500, Deduct</i>	-30.33	
			<i>For &gt;500, Deduct</i>	-43.91	
26 51	19 00-0208	EA	6" Diameter, 1,800 Lumens, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED).....	306.62	42.26
			<i>For &gt;50 To 100, Deduct</i>	-9.25	
			<i>For &gt;100 To 250, Deduct</i>	-16.92	
			<i>For &gt;250 To 500, Deduct</i>	-30.66	
			<i>For &gt;500, Deduct</i>	-44.41	
26 51	19 00-0209	EA	6" Diameter, 1,800 Lumens, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED).....	335.82	42.26
			<i>For &gt;50 To 100, Deduct</i>	-9.98	
			<i>For &gt;100 To 250, Deduct</i>	-18.38	
			<i>For &gt;250 To 500, Deduct</i>	-33.58	
			<i>For &gt;500, Deduct</i>	-48.79	
<b>26 51 19 00-0210 Recessed LED Downlights (Lightolier) (26 51 19 00-0193)</b>					
Note: Includes housing and trim.					
26 51	19 00-0211	EA	4" Diameter, 500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L05DL).....	568.39	42.26
			<i>For &gt;50 To 100, Deduct</i>	-15.79	
			<i>For &gt;100 To 250, Deduct</i>	-30.00	
			<i>For &gt;250 To 500, Deduct</i>	-56.84	
			<i>For &gt;500, Deduct</i>	-83.67	
26 51	19 00-0212	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L10DL).....	669.65	42.26
			<i>For &gt;50 To 100, Deduct</i>	-18.33	
			<i>For &gt;100 To 250, Deduct</i>	-35.07	
			<i>For &gt;250 To 500, Deduct</i>	-66.97	
			<i>For &gt;500, Deduct</i>	-98.86	
26 51	19 00-0213	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	720.16	42.26
			<i>For &gt;50 To 100, Deduct</i>	-19.59	
			<i>For &gt;100 To 250, Deduct</i>	-37.59	
			<i>For &gt;250 To 500, Deduct</i>	-72.02	
			<i>For &gt;500, Deduct</i>	-106.44	
26 51	19 00-0214	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	720.16	42.26
			<i>For &gt;50 To 100, Deduct</i>	-19.59	
			<i>For &gt;100 To 250, Deduct</i>	-37.59	
			<i>For &gt;250 To 500, Deduct</i>	-72.02	
			<i>For &gt;500, Deduct</i>	-106.44	
26 51	19 00-0215	EA	7" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	745.53	42.26
			<i>For &gt;50 To 100, Deduct</i>	-20.22	
			<i>For &gt;100 To 250, Deduct</i>	-38.86	
			<i>For &gt;250 To 500, Deduct</i>	-74.55	
			<i>For &gt;500, Deduct</i>	-110.24	
26 51	19 00-0216	EA	7" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	770.92	42.26
			<i>For &gt;50 To 100, Deduct</i>	-20.86	
			<i>For &gt;100 To 250, Deduct</i>	-40.13	
			<i>For &gt;250 To 500, Deduct</i>	-77.09	
			<i>For &gt;500, Deduct</i>	-114.05	
<b>26 51 19 00-0217 Recessed LED Downlights (Cooper) (26 51 19 00-0193)</b>					
26 51	19 00-0218	EA	600 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5606827).....	133.61	42.26
			<i>For &gt;50 To 100, Deduct</i>	-4.93	
			<i>For &gt;100 To 250, Deduct</i>	-8.27	
			<i>For &gt;250 To 500, Deduct</i>	-13.36	
			<i>For &gt;500, Deduct</i>	-18.46	
26 51	19 00-0219	EA	600 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5606830).....	133.61	42.26
			<i>For &gt;50 To 100, Deduct</i>	-4.93	
			<i>For &gt;100 To 250, Deduct</i>	-8.27	
			<i>For &gt;250 To 500, Deduct</i>	-13.36	
			<i>For &gt;500, Deduct</i>	-18.46	
26 51	19 00-0220	EA	600 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5606835).....	133.61	42.26
			<i>For &gt;50 To 100, Deduct</i>	-4.93	
			<i>For &gt;100 To 250, Deduct</i>	-8.27	
			<i>For &gt;250 To 500, Deduct</i>	-13.36	
			<i>For &gt;500, Deduct</i>	-18.46	
26 51	19 00-0221	EA	600 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5606840).....	133.61	42.26
			<i>For &gt;50 To 100, Deduct</i>	-4.93	
			<i>For &gt;100 To 250, Deduct</i>	-8.27	
			<i>For &gt;250 To 500, Deduct</i>	-13.36	
			<i>For &gt;500, Deduct</i>	-18.46	
26 51	19 00-0222	EA	900 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5609827).....	136.23	42.26
			<i>For &gt;50 To 100, Deduct</i>	-4.99	
			<i>For &gt;100 To 250, Deduct</i>	-8.40	
			<i>For &gt;250 To 500, Deduct</i>	-13.62	
			<i>For &gt;500, Deduct</i>	-18.85	
26 51	19 00-0223	EA	900 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5609830).....	136.23	42.26
			<i>For &gt;50 To 100, Deduct</i>	-4.99	
			<i>For &gt;100 To 250, Deduct</i>	-8.40	
			<i>For &gt;250 To 500, Deduct</i>	-13.62	
			<i>For &gt;500, Deduct</i>	-18.85	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0224	EA	900 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5609835) .....	136.23	42.26
			<i>For &gt;50 To 100, Deduct</i>	-4.99	
			<i>For &gt;100 To 250, Deduct</i>	-8.40	
			<i>For &gt;250 To 500, Deduct</i>	-13.62	
			<i>For &gt;500, Deduct</i>	-18.85	
26 51	19 00-0225	EA	900 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5609840) .....	136.23	42.26
			<i>For &gt;50 To 100, Deduct</i>	-4.99	
			<i>For &gt;100 To 250, Deduct</i>	-8.40	
			<i>For &gt;250 To 500, Deduct</i>	-13.62	
			<i>For &gt;500, Deduct</i>	-18.85	
26 51	19 00-0226	EA	1,200 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5612827) .....	171.69	42.26
			<i>For &gt;50 To 100, Deduct</i>	-5.88	
			<i>For &gt;100 To 250, Deduct</i>	-10.17	
			<i>For &gt;250 To 500, Deduct</i>	-17.17	
			<i>For &gt;500, Deduct</i>	-24.17	
26 51	19 00-0227	EA	1,200 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5612830) .....	169.89	42.26
			<i>For &gt;50 To 100, Deduct</i>	-5.83	
			<i>For &gt;100 To 250, Deduct</i>	-10.08	
			<i>For &gt;250 To 500, Deduct</i>	-16.99	
			<i>For &gt;500, Deduct</i>	-23.90	
26 51	19 00-0228	EA	1,200 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5612835) .....	169.89	42.26
			<i>For &gt;50 To 100, Deduct</i>	-5.83	
			<i>For &gt;100 To 250, Deduct</i>	-10.08	
			<i>For &gt;250 To 500, Deduct</i>	-16.99	
			<i>For &gt;500, Deduct</i>	-23.90	
26 51	19 00-0229	EA	1,200 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5612840) .....	169.89	42.26
			<i>For &gt;50 To 100, Deduct</i>	-5.83	
			<i>For &gt;100 To 250, Deduct</i>	-10.08	
			<i>For &gt;250 To 500, Deduct</i>	-16.99	
			<i>For &gt;500, Deduct</i>	-23.90	
26 51	19 00-0230	EA	5" LED Trim, Polymer Dead-Front, Shallow White Baffle And Flange (Cooper Halo 591WB).....	83.26	13.45
			<i>For &gt;50 To 100, Deduct</i>	-2.59	
			<i>For &gt;100 To 250, Deduct</i>	-4.67	
			<i>For &gt;250 To 500, Deduct</i>	-8.33	
			<i>For &gt;500, Deduct</i>	-11.98	
26 51	19 00-0231	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC) .....	50.81	13.45
			<i>For &gt;50 To 100, Deduct</i>	-1.77	
			<i>For &gt;100 To 250, Deduct</i>	-3.04	
			<i>For &gt;250 To 500, Deduct</i>	-5.08	
			<i>For &gt;500, Deduct</i>	-7.12	
26 51	19 00-0232	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H) .....	64.78	13.45
			<i>For &gt;50 To 100, Deduct</i>	-2.12	
			<i>For &gt;100 To 250, Deduct</i>	-3.74	
			<i>For &gt;250 To 500, Deduct</i>	-6.48	
			<i>For &gt;500, Deduct</i>	-9.21	
26 51	19 00-0233	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W).....	53.62	13.45
			<i>For &gt;50 To 100, Deduct</i>	-1.84	
			<i>For &gt;100 To 250, Deduct</i>	-3.19	
			<i>For &gt;250 To 500, Deduct</i>	-5.36	
			<i>For &gt;500, Deduct</i>	-7.54	
26 51	19 00-0234	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB) .....	42.21	13.45
			<i>For &gt;50 To 100, Deduct</i>	-1.56	
			<i>For &gt;100 To 250, Deduct</i>	-2.61	
			<i>For &gt;250 To 500, Deduct</i>	-4.22	
			<i>For &gt;500, Deduct</i>	-5.83	
26 51	19 00-0235	EA	5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB).....	53.12	13.45
			<i>For &gt;50 To 100, Deduct</i>	-1.83	
			<i>For &gt;100 To 250, Deduct</i>	-3.16	
			<i>For &gt;250 To 500, Deduct</i>	-5.31	
			<i>For &gt;500, Deduct</i>	-7.46	
26 51	19 00-0236	EA	5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB).....	59.76	13.45
			<i>For &gt;50 To 100, Deduct</i>	-2.00	
			<i>For &gt;100 To 250, Deduct</i>	-3.49	
			<i>For &gt;250 To 500, Deduct</i>	-5.98	
			<i>For &gt;500, Deduct</i>	-8.46	
26 51	19 00-0237	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB).....	65.69	13.45
			<i>For &gt;50 To 100, Deduct</i>	-2.15	
			<i>For &gt;100 To 250, Deduct</i>	-3.79	
			<i>For &gt;250 To 500, Deduct</i>	-6.57	
			<i>For &gt;500, Deduct</i>	-9.35	
26 51	19 00-0238	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB).....	77.25	13.45
			<i>For &gt;50 To 100, Deduct</i>	-2.44	
			<i>For &gt;100 To 250, Deduct</i>	-4.37	
			<i>For &gt;250 To 500, Deduct</i>	-7.73	
			<i>For &gt;500, Deduct</i>	-11.08	
26 51	19 00-0239	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB).....	77.62	13.45
			<i>For &gt;50 To 100, Deduct</i>	-2.44	
			<i>For &gt;100 To 250, Deduct</i>	-4.39	
			<i>For &gt;250 To 500, Deduct</i>	-7.76	
			<i>For &gt;500, Deduct</i>	-11.14	
26 51	19 00-0240	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB).....	75.96	13.45
			<i>For &gt;50 To 100, Deduct</i>	-2.40	
			<i>For &gt;100 To 250, Deduct</i>	-4.30	
			<i>For &gt;250 To 500, Deduct</i>	-7.60	
			<i>For &gt;500, Deduct</i>	-10.89	

**26 Electrical**  
**26 50 Lighting**  
**26 51 Interior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0241	EA	5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW).....	94.93	13.45
			<i>For &gt;50 To 100, Deduct</i>	-2.88	
			<i>For &gt;100 To 250, Deduct</i>	-5.25	
			<i>For &gt;250 To 500, Deduct</i>	-9.49	
			<i>For &gt;500, Deduct</i>	-13.74	
26 51	19 00-0242	EA	5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB) .....	42.61	13.45
			<i>For &gt;50 To 100, Deduct</i>	-1.57	
			<i>For &gt;100 To 250, Deduct</i>	-2.63	
			<i>For &gt;250 To 500, Deduct</i>	-4.26	
			<i>For &gt;500, Deduct</i>	-5.89	
26 51	19 00-0243	EA	6" LED Trim, Polymer Dead-Front, White Shallow Baffle And Flange (Cooper Halo 691WB) .....	80.49	13.45
			<i>For &gt;50 To 100, Deduct</i>	-2.52	
			<i>For &gt;100 To 250, Deduct</i>	-4.53	
			<i>For &gt;250 To 500, Deduct</i>	-8.05	
			<i>For &gt;500, Deduct</i>	-11.57	
26 51	19 00-0244	EA	6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC) .....	67.72	13.45
			<i>For &gt;50 To 100, Deduct</i>	-2.20	
			<i>For &gt;100 To 250, Deduct</i>	-3.89	
			<i>For &gt;250 To 500, Deduct</i>	-6.77	
			<i>For &gt;500, Deduct</i>	-9.65	
26 51	19 00-0245	EA	6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H) .....	63.24	13.45
			<i>For &gt;50 To 100, Deduct</i>	-2.09	
			<i>For &gt;100 To 250, Deduct</i>	-3.67	
			<i>For &gt;250 To 500, Deduct</i>	-6.32	
			<i>For &gt;500, Deduct</i>	-8.98	
26 51	19 00-0246	EA	6" LED Trim, White Reflector And Flange (Cooper Halo 692W) .....	55.85	13.45
			<i>For &gt;50 To 100, Deduct</i>	-1.90	
			<i>For &gt;100 To 250, Deduct</i>	-3.30	
			<i>For &gt;250 To 500, Deduct</i>	-5.59	
			<i>For &gt;500, Deduct</i>	-7.87	
26 51	19 00-0247	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB).....	56.38	13.45
			<i>For &gt;50 To 100, Deduct</i>	-1.91	
			<i>For &gt;100 To 250, Deduct</i>	-3.32	
			<i>For &gt;250 To 500, Deduct</i>	-5.64	
			<i>For &gt;500, Deduct</i>	-7.95	
26 51	19 00-0248	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB).....	61.12	13.45
			<i>For &gt;50 To 100, Deduct</i>	-2.03	
			<i>For &gt;100 To 250, Deduct</i>	-3.56	
			<i>For &gt;250 To 500, Deduct</i>	-6.11	
			<i>For &gt;500, Deduct</i>	-8.66	
26 51	19 00-0249	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB) .....	55.56	13.45
			<i>For &gt;50 To 100, Deduct</i>	-1.89	
			<i>For &gt;100 To 250, Deduct</i>	-3.28	
			<i>For &gt;250 To 500, Deduct</i>	-5.56	
			<i>For &gt;500, Deduct</i>	-7.83	
26 51	19 00-0250	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB) .....	70.68	13.45
			<i>For &gt;50 To 100, Deduct</i>	-2.27	
			<i>For &gt;100 To 250, Deduct</i>	-4.04	
			<i>For &gt;250 To 500, Deduct</i>	-7.07	
			<i>For &gt;500, Deduct</i>	-10.10	
26 51	19 00-0251	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB).....	77.05	13.45
			<i>For &gt;50 To 100, Deduct</i>	-2.43	
			<i>For &gt;100 To 250, Deduct</i>	-4.36	
			<i>For &gt;250 To 500, Deduct</i>	-7.71	
			<i>For &gt;500, Deduct</i>	-11.05	
26 51	19 00-0252	EA	6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB) .....	98.25	13.45
			<i>For &gt;50 To 100, Deduct</i>	-2.96	
			<i>For &gt;100 To 250, Deduct</i>	-5.42	
			<i>For &gt;250 To 500, Deduct</i>	-9.83	
			<i>For &gt;500, Deduct</i>	-14.23	
26 51	19 00-0253	EA	6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB) .....	95.60	13.45
			<i>For &gt;50 To 100, Deduct</i>	-2.89	
			<i>For &gt;100 To 250, Deduct</i>	-5.28	
			<i>For &gt;250 To 500, Deduct</i>	-9.56	
			<i>For &gt;500, Deduct</i>	-13.84	
26 51	19 00-0254	EA	6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW).....	96.77	13.45
			<i>For &gt;50 To 100, Deduct</i>	-2.92	
			<i>For &gt;100 To 250, Deduct</i>	-5.34	
			<i>For &gt;250 To 500, Deduct</i>	-9.68	
			<i>For &gt;500, Deduct</i>	-14.01	
26 51	19 00-0255	EA	6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB) .....	57.02	13.45
			<i>For &gt;50 To 100, Deduct</i>	-1.93	
			<i>For &gt;100 To 250, Deduct</i>	-3.36	
			<i>For &gt;250 To 500, Deduct</i>	-5.70	
			<i>For &gt;500, Deduct</i>	-8.05	
26 51	19 00-0256	EA	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT) .....	48.92	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.30	
			<i>For &gt;100 To 250, Deduct</i>	-3.53	
			<i>For &gt;250 To 500, Deduct</i>	-4.89	
			<i>For &gt;500, Deduct</i>	-6.26	
26 51	19 00-0257	EA	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT).....	54.11	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.43	
			<i>For &gt;100 To 250, Deduct</i>	-3.79	
			<i>For &gt;250 To 500, Deduct</i>	-5.41	
			<i>For &gt;500, Deduct</i>	-7.04	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0258	EA	6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T) .....	52.03	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.38	
			<i>For &gt;100 To 250, Deduct</i>	-3.68	
			<i>For &gt;250 To 500, Deduct</i>	-5.20	
			<i>For &gt;500, Deduct</i>	-6.72	
26 51	19 00-0259	EA	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP) .....	72.49	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.89	
			<i>For &gt;100 To 250, Deduct</i>	-4.71	
			<i>For &gt;250 To 500, Deduct</i>	-7.25	
			<i>For &gt;500, Deduct</i>	-9.79	
26 51	19 00-0260	EA	6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT) .....	70.09	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.83	
			<i>For &gt;100 To 250, Deduct</i>	-4.59	
			<i>For &gt;250 To 500, Deduct</i>	-7.01	
			<i>For &gt;500, Deduct</i>	-9.43	
26 51	19 00-0261	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H71CAT) .....	54.82	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.45	
			<i>For &gt;100 To 250, Deduct</i>	-3.82	
			<i>For &gt;250 To 500, Deduct</i>	-5.48	
			<i>For &gt;500, Deduct</i>	-7.14	
26 51	19 00-0262	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT) .....	58.31	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.54	
			<i>For &gt;100 To 250, Deduct</i>	-4.00	
			<i>For &gt;250 To 500, Deduct</i>	-5.83	
			<i>For &gt;500, Deduct</i>	-7.67	
26 51	19 00-0263	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT) .....	54.09	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.43	
			<i>For &gt;100 To 250, Deduct</i>	-3.79	
			<i>For &gt;250 To 500, Deduct</i>	-5.41	
			<i>For &gt;500, Deduct</i>	-7.03	
26 51	19 00-0264	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT) .....	57.92	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.53	
			<i>For &gt;100 To 250, Deduct</i>	-3.98	
			<i>For &gt;250 To 500, Deduct</i>	-5.79	
			<i>For &gt;500, Deduct</i>	-7.61	
26 51	19 00-0265	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB).....	54.73	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.45	
			<i>For &gt;100 To 250, Deduct</i>	-3.82	
			<i>For &gt;250 To 500, Deduct</i>	-5.47	
			<i>For &gt;500, Deduct</i>	-7.13	
26 51	19 00-0266	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB) .....	54.37	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.44	
			<i>For &gt;100 To 250, Deduct</i>	-3.80	
			<i>For &gt;250 To 500, Deduct</i>	-5.44	
			<i>For &gt;500, Deduct</i>	-7.08	
26 51	19 00-0267	EA	6" Non-IC, New Construction Housing (Cooper Halo H7T).....	57.13	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.51	
			<i>For &gt;100 To 250, Deduct</i>	-3.94	
			<i>For &gt;250 To 500, Deduct</i>	-5.71	
			<i>For &gt;500, Deduct</i>	-7.49	
26 51	19 00-0268	EA	6" Non-IC, Remodel Housing (Cooper Halo H7RT).....	58.63	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.55	
			<i>For &gt;100 To 250, Deduct</i>	-4.01	
			<i>For &gt;250 To 500, Deduct</i>	-5.86	
			<i>For &gt;500, Deduct</i>	-7.71	
26 51	19 00-0269	EA	6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB) .....	59.10	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.56	
			<i>For &gt;100 To 250, Deduct</i>	-4.04	
			<i>For &gt;250 To 500, Deduct</i>	-5.91	
			<i>For &gt;500, Deduct</i>	-7.78	
26 51	19 00-0270	EA	6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP) .....	82.28	28.81
			<i>For &gt;50 To 100, Deduct</i>	-3.14	
			<i>For &gt;100 To 250, Deduct</i>	-5.19	
			<i>For &gt;250 To 500, Deduct</i>	-8.23	
			<i>For &gt;500, Deduct</i>	-11.26	
26 51	19 00-0271	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UICT).....	76.46	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.99	
			<i>For &gt;100 To 250, Deduct</i>	-4.90	
			<i>For &gt;250 To 500, Deduct</i>	-7.65	
			<i>For &gt;500, Deduct</i>	-10.39	
26 51	19 00-0272	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT).....	77.14	28.81
			<i>For &gt;50 To 100, Deduct</i>	-3.01	
			<i>For &gt;100 To 250, Deduct</i>	-4.94	
			<i>For &gt;250 To 500, Deduct</i>	-7.71	
			<i>For &gt;500, Deduct</i>	-10.49	
26 51	19 00-0273	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT).....	81.03	28.81
			<i>For &gt;50 To 100, Deduct</i>	-3.11	
			<i>For &gt;100 To 250, Deduct</i>	-5.13	
			<i>For &gt;250 To 500, Deduct</i>	-8.10	
			<i>For &gt;500, Deduct</i>	-11.07	
26 51	19 00-0274	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT) .....	81.03	28.81
			<i>For &gt;50 To 100, Deduct</i>	-3.11	
			<i>For &gt;100 To 250, Deduct</i>	-5.13	
			<i>For &gt;250 To 500, Deduct</i>	-8.10	
			<i>For &gt;500, Deduct</i>	-11.07	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0275	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700) .....	81.03	28.81
			<i>For &gt;50 To 100, Deduct</i>	-3.11	
			<i>For &gt;100 To 250, Deduct</i>	-5.13	
			<i>For &gt;250 To 500, Deduct</i>	-8.10	
			<i>For &gt;500, Deduct</i>	-11.07	
26 51	19 00-0276	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R) .....	81.03	28.81
			<i>For &gt;50 To 100, Deduct</i>	-3.11	
			<i>For &gt;100 To 250, Deduct</i>	-5.13	
			<i>For &gt;250 To 500, Deduct</i>	-8.10	
			<i>For &gt;500, Deduct</i>	-11.07	
26 51	19 00-0277	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB) .....	81.03	28.81
			<i>For &gt;50 To 100, Deduct</i>	-3.11	
			<i>For &gt;100 To 250, Deduct</i>	-5.13	
			<i>For &gt;250 To 500, Deduct</i>	-8.10	
			<i>For &gt;500, Deduct</i>	-11.07	
26 51	19 00-0278	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB).....	70.85	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.85	
			<i>For &gt;100 To 250, Deduct</i>	-4.62	
			<i>For &gt;250 To 500, Deduct</i>	-7.09	
			<i>For &gt;500, Deduct</i>	-9.55	
26 51	19 00-0279	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U).....	70.85	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.85	
			<i>For &gt;100 To 250, Deduct</i>	-4.62	
			<i>For &gt;250 To 500, Deduct</i>	-7.09	
			<i>For &gt;500, Deduct</i>	-9.55	
26 51	19 00-0280	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT).....	70.85	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.85	
			<i>For &gt;100 To 250, Deduct</i>	-4.62	
			<i>For &gt;250 To 500, Deduct</i>	-7.09	
			<i>For &gt;500, Deduct</i>	-9.55	
26 51	19 00-0281	EA	6" Non-IC, New Construction Housing (Cooper Halo ET700).....	70.85	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.85	
			<i>For &gt;100 To 250, Deduct</i>	-4.62	
			<i>For &gt;250 To 500, Deduct</i>	-7.09	
			<i>For &gt;500, Deduct</i>	-9.55	
26 51	19 00-0282	EA	6" Non-IC, Remodel Housing (Cooper Halo ET700R) .....	70.85	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.85	
			<i>For &gt;100 To 250, Deduct</i>	-4.62	
			<i>For &gt;250 To 500, Deduct</i>	-7.09	
			<i>For &gt;500, Deduct</i>	-9.55	
26 51	19 00-0283	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT).....	71.60	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.87	
			<i>For &gt;100 To 250, Deduct</i>	-4.66	
			<i>For &gt;250 To 500, Deduct</i>	-7.16	
			<i>For &gt;500, Deduct</i>	-9.66	
26 51	19 00-0284	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT) .....	83.02	28.81
			<i>For &gt;50 To 100, Deduct</i>	-3.16	
			<i>For &gt;100 To 250, Deduct</i>	-5.23	
			<i>For &gt;250 To 500, Deduct</i>	-8.30	
			<i>For &gt;500, Deduct</i>	-11.37	
26 51	19 00-0285	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT).....	71.60	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.87	
			<i>For &gt;100 To 250, Deduct</i>	-4.66	
			<i>For &gt;250 To 500, Deduct</i>	-7.16	
			<i>For &gt;500, Deduct</i>	-9.66	
26 51	19 00-0286	EA	6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT).....	79.79	28.81
			<i>For &gt;50 To 100, Deduct</i>	-3.08	
			<i>For &gt;100 To 250, Deduct</i>	-5.07	
			<i>For &gt;250 To 500, Deduct</i>	-7.98	
			<i>For &gt;500, Deduct</i>	-10.89	
26 51	19 00-0287	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T) .....	66.96	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.75	
			<i>For &gt;100 To 250, Deduct</i>	-4.43	
			<i>For &gt;250 To 500, Deduct</i>	-6.70	
			<i>For &gt;500, Deduct</i>	-8.96	
26 51	19 00-0288	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT).....	68.09	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.78	
			<i>For &gt;100 To 250, Deduct</i>	-4.49	
			<i>For &gt;250 To 500, Deduct</i>	-6.81	
			<i>For &gt;500, Deduct</i>	-9.13	
26 51	19 00-0289	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT).....	76.08	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.98	
			<i>For &gt;100 To 250, Deduct</i>	-4.88	
			<i>For &gt;250 To 500, Deduct</i>	-7.61	
			<i>For &gt;500, Deduct</i>	-10.33	
26 51	19 00-0290	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700).....	76.08	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.98	
			<i>For &gt;100 To 250, Deduct</i>	-4.88	
			<i>For &gt;250 To 500, Deduct</i>	-7.61	
			<i>For &gt;500, Deduct</i>	-10.33	
26 51	19 00-0291	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R) .....	76.08	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.98	
			<i>For &gt;100 To 250, Deduct</i>	-4.88	
			<i>For &gt;250 To 500, Deduct</i>	-7.61	
			<i>For &gt;500, Deduct</i>	-10.33	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0292	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700) .....	76.08	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.98	
			<i>For &gt;100 To 250, Deduct</i>	-4.88	
			<i>For &gt;250 To 500, Deduct</i>	-7.61	
			<i>For &gt;500, Deduct</i>	-10.33	
26 51	19 00-0293	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R).....	76.08	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.98	
			<i>For &gt;100 To 250, Deduct</i>	-4.88	
			<i>For &gt;250 To 500, Deduct</i>	-7.61	
			<i>For &gt;500, Deduct</i>	-10.33	
26 51	19 00-0294	EA	6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK).....	65.45	13.45
			<i>For &gt;50 To 100, Deduct</i>	-2.14	
			<i>For &gt;100 To 250, Deduct</i>	-3.78	
			<i>For &gt;250 To 500, Deduct</i>	-6.55	
			<i>For &gt;500, Deduct</i>	-9.31	
26 51	19 00-0295	EA	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK).....	67.78	13.45
			<i>For &gt;50 To 100, Deduct</i>	-2.20	
			<i>For &gt;100 To 250, Deduct</i>	-3.89	
			<i>For &gt;250 To 500, Deduct</i>	-6.78	
			<i>For &gt;500, Deduct</i>	-9.66	
26 51	19 00-0296	EA	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT) .....	61.91	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.63	
			<i>For &gt;100 To 250, Deduct</i>	-4.18	
			<i>For &gt;250 To 500, Deduct</i>	-6.19	
			<i>For &gt;500, Deduct</i>	-8.21	
26 51	19 00-0297	EA	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT) .....	62.19	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.64	
			<i>For &gt;100 To 250, Deduct</i>	-4.19	
			<i>For &gt;250 To 500, Deduct</i>	-6.22	
			<i>For &gt;500, Deduct</i>	-8.25	
26 51	19 00-0298	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT) .....	57.37	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.51	
			<i>For &gt;100 To 250, Deduct</i>	-3.95	
			<i>For &gt;250 To 500, Deduct</i>	-5.74	
			<i>For &gt;500, Deduct</i>	-7.53	
26 51	19 00-0299	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT) .....	59.74	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.57	
			<i>For &gt;100 To 250, Deduct</i>	-4.07	
			<i>For &gt;250 To 500, Deduct</i>	-5.97	
			<i>For &gt;500, Deduct</i>	-7.88	
26 51	19 00-0300	EA	5" Non-IC, New Construction Housing (Cooper Halo H5T).....	58.96	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.55	
			<i>For &gt;100 To 250, Deduct</i>	-4.03	
			<i>For &gt;250 To 500, Deduct</i>	-5.90	
			<i>For &gt;500, Deduct</i>	-7.76	
26 51	19 00-0301	EA	5" Non-IC, Remodel Housing (Cooper Halo H5RT).....	59.68	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.57	
			<i>For &gt;100 To 250, Deduct</i>	-4.06	
			<i>For &gt;250 To 500, Deduct</i>	-5.97	
			<i>For &gt;500, Deduct</i>	-7.87	
26 51	19 00-0302	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT).....	69.84	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.83	
			<i>For &gt;100 To 250, Deduct</i>	-4.57	
			<i>For &gt;250 To 500, Deduct</i>	-6.98	
			<i>For &gt;500, Deduct</i>	-9.40	
26 51	19 00-0303	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT) .....	70.39	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.84	
			<i>For &gt;100 To 250, Deduct</i>	-4.60	
			<i>For &gt;250 To 500, Deduct</i>	-7.04	
			<i>For &gt;500, Deduct</i>	-9.48	
26 51	19 00-0304	EA	5" Non-IC, New Construction Housing (Cooper Halo ET500).....	73.12	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.91	
			<i>For &gt;100 To 250, Deduct</i>	-4.74	
			<i>For &gt;250 To 500, Deduct</i>	-7.31	
			<i>For &gt;500, Deduct</i>	-9.89	
26 51	19 00-0305	EA	5" Non-IC, Remodel Housing (Cooper Halo ET500R).....	75.03	28.81
			<i>For &gt;50 To 100, Deduct</i>	-2.96	
			<i>For &gt;100 To 250, Deduct</i>	-4.83	
			<i>For &gt;250 To 500, Deduct</i>	-7.50	
			<i>For &gt;500, Deduct</i>	-10.17	
26 51	19 00-0306	EA	5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT).....	83.44	28.81
			<i>For &gt;50 To 100, Deduct</i>	-3.17	
			<i>For &gt;100 To 250, Deduct</i>	-5.25	
			<i>For &gt;250 To 500, Deduct</i>	-8.34	
			<i>For &gt;500, Deduct</i>	-11.44	
<b>26 51 19 00-0307 Recessed LED Downlights (Maxlite DLR)</b> <small>(26 51 19 00-0193)</small>					
26 51	19 00-0308	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR410) .....	155.40	42.26
			<i>For &gt;50 To 100, Deduct</i>	-5.47	
			<i>For &gt;100 To 250, Deduct</i>	-9.35	
			<i>For &gt;250 To 500, Deduct</i>	-15.54	
			<i>For &gt;500, Deduct</i>	-21.73	

**26 Electrical**  
**26 50 Lighting**  
**26 51 Interior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0309	EA		4" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR415) .....	157.75	42.26
			<i>For &gt;50 To 100, Deduct</i>	-5.53	
			<i>For &gt;100 To 250, Deduct</i>	-9.47	
			<i>For &gt;250 To 500, Deduct</i>	-15.78	
			<i>For &gt;500, Deduct</i>	-22.08	
26 51 19 00-0310	EA		4" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR420) .....	164.84	42.26
			<i>For &gt;50 To 100, Deduct</i>	-5.71	
			<i>For &gt;100 To 250, Deduct</i>	-9.83	
			<i>For &gt;250 To 500, Deduct</i>	-16.48	
			<i>For &gt;500, Deduct</i>	-23.14	
26 51 19 00-0311	EA		6" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR615) .....	150.67	42.26
			<i>For &gt;50 To 100, Deduct</i>	-5.35	
			<i>For &gt;100 To 250, Deduct</i>	-9.12	
			<i>For &gt;250 To 500, Deduct</i>	-15.07	
			<i>For &gt;500, Deduct</i>	-21.02	
26 51 19 00-0312	EA		6" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR620) .....	150.67	42.26
			<i>For &gt;50 To 100, Deduct</i>	-5.35	
			<i>For &gt;100 To 250, Deduct</i>	-9.12	
			<i>For &gt;250 To 500, Deduct</i>	-15.07	
			<i>For &gt;500, Deduct</i>	-21.02	
26 51 19 00-0313	EA		6" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR630) .....	150.67	42.26
			<i>For &gt;50 To 100, Deduct</i>	-5.35	
			<i>For &gt;100 To 250, Deduct</i>	-9.12	
			<i>For &gt;250 To 500, Deduct</i>	-15.07	
			<i>For &gt;500, Deduct</i>	-21.02	
26 51 19 00-0314	EA		8" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR810) .....	164.84	42.26
			<i>For &gt;50 To 100, Deduct</i>	-5.71	
			<i>For &gt;100 To 250, Deduct</i>	-9.83	
			<i>For &gt;250 To 500, Deduct</i>	-16.48	
			<i>For &gt;500, Deduct</i>	-23.14	
26 51 19 00-0315	EA		8" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR815) .....	167.19	42.26
			<i>For &gt;50 To 100, Deduct</i>	-5.76	
			<i>For &gt;100 To 250, Deduct</i>	-9.94	
			<i>For &gt;250 To 500, Deduct</i>	-16.72	
			<i>For &gt;500, Deduct</i>	-23.49	
26 51 19 00-0316	EA		8" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR820) .....	171.91	42.26
			<i>For &gt;50 To 100, Deduct</i>	-5.88	
			<i>For &gt;100 To 250, Deduct</i>	-10.18	
			<i>For &gt;250 To 500, Deduct</i>	-17.19	
			<i>For &gt;500, Deduct</i>	-24.20	
26 51 19 00-0317	EA		8" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR830) .....	186.06	42.26
			<i>For &gt;50 To 100, Deduct</i>	-6.24	
			<i>For &gt;100 To 250, Deduct</i>	-10.89	
			<i>For &gt;250 To 500, Deduct</i>	-18.61	
			<i>For &gt;500, Deduct</i>	-26.32	
26 51 19 00-0318	EA		8" Diameter, 5,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR850) .....	204.94	42.26
			<i>For &gt;50 To 100, Deduct</i>	-6.71	
			<i>For &gt;100 To 250, Deduct</i>	-11.83	
			<i>For &gt;250 To 500, Deduct</i>	-20.49	
			<i>For &gt;500, Deduct</i>	-29.16	
26 51 19 00-0319			<b>Recessed LED Downlight Retrofits And Trim (CREE®)</b> <small>(26 51 19 00-0192)</small>		
26 51 19 00-0320			<b>Recessed LED Downlight Retrofits (CREE®)</b> <small>(26 51 19 00-0319)</small> Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.		
26 51 19 00-0321	EA		4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L) .....	85.98	
			<i>For &gt;50 To 100, Deduct</i>	-2.75	
			<i>For &gt;100 To 250, Deduct</i>	-4.90	
			<i>For &gt;250 To 500, Deduct</i>	-8.60	
			<i>For &gt;500, Deduct</i>	-12.30	
26 51 19 00-0322	EA		6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L) .....	75.93	
			<i>For &gt;50 To 100, Deduct</i>	-2.50	
			<i>For &gt;100 To 250, Deduct</i>	-4.40	
			<i>For &gt;250 To 500, Deduct</i>	-7.59	
			<i>For &gt;500, Deduct</i>	-10.79	
26 51 19 00-0323	EA		6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L) .....	96.03	
			<i>For &gt;50 To 100, Deduct</i>	-3.00	
			<i>For &gt;100 To 250, Deduct</i>	-5.40	
			<i>For &gt;250 To 500, Deduct</i>	-9.60	
			<i>For &gt;500, Deduct</i>	-13.80	
26 51 19 00-0324	EA		6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277) .....	107.75	
			<i>For &gt;50 To 100, Deduct</i>	-3.29	
			<i>For &gt;100 To 250, Deduct</i>	-5.99	
			<i>For &gt;250 To 500, Deduct</i>	-10.78	
			<i>For &gt;500, Deduct</i>	-15.56	
26 51 19 00-0325	EA		6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR).....	117.80	
			<i>For &gt;50 To 100, Deduct</i>	-3.55	
			<i>For &gt;100 To 250, Deduct</i>	-6.49	
			<i>For &gt;250 To 500, Deduct</i>	-11.78	
			<i>For &gt;500, Deduct</i>	-17.07	
26 51 19 00-0326			<b>Recessed LED Downlight Retrofits Trim (CREE®)</b> <small>(26 51 19 00-0319)</small> Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.		





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0327 EA 6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX) .....	31.15	6.72
For >50 To 100, Deduct	-1.14	
For >100 To 250, Deduct	-1.92	
For >250 To 500, Deduct	-3.12	
For >500, Deduct	-4.31	
26 51 19 00-0328 EA 6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP) .....	37.86	6.72
For >50 To 100, Deduct	-1.31	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-3.79	
For >500, Deduct	-5.32	
26 51 19 00-0329 EA 6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB) .....	32.83	6.72
For >50 To 100, Deduct	-1.18	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-3.28	
For >500, Deduct	-4.56	
<b>26 51 19 00-0330 Recessed LED Downlight Fixture Housings (CREE®) (26 51 19 00-0319)</b>		
Note: Excludes lamp and trim.		
26 51 19 00-0331 EA 6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6) .....	83.42	28.81
For >50 To 100, Deduct	-3.17	
For >100 To 250, Deduct	-5.25	
For >250 To 500, Deduct	-8.34	
For >500, Deduct	-11.43	
26 51 19 00-0332 EA 6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6) .....	59.96	28.81
For >50 To 100, Deduct	-2.58	
For >100 To 250, Deduct	-4.08	
For >250 To 500, Deduct	-6.00	
For >500, Deduct	-7.91	
<b>26 51 19 00-0333 Can Retrofit Or Surface Mount, LED Downlights (26 51 19 00-0192)</b>		
26 51 19 00-0334 EA 6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6) .....	84.85	26.31
For >50 To 100, Deduct	-3.11	
For >100 To 250, Deduct	-5.23	
For >250 To 500, Deduct	-8.49	
For >500, Deduct	-11.74	
26 51 19 00-0335 EA 4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative0 1-811-D) .....	67.22	26.31
For >50 To 100, Deduct	-2.67	
For >100 To 250, Deduct	-4.35	
For >250 To 500, Deduct	-6.72	
For >500, Deduct	-9.10	
26 51 19 00-0336 EA 6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative0 1-808-D) .....	67.22	26.31
For >50 To 100, Deduct	-2.67	
For >100 To 250, Deduct	-4.35	
For >250 To 500, Deduct	-6.72	
For >500, Deduct	-9.10	
26 51 19 00-0337 EA 6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP) .....	123.70	26.31
For Recessed IC/Non-IC Rated Housing For New Construction, Add	43.80	
For >50 To 100, Deduct	-4.08	
For >100 To 250, Deduct	-7.17	
For >250 To 500, Deduct	-12.37	
For >500, Deduct	-17.57	
26 51 19 00-0338 EA 4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840) .....	57.22	26.31
For >50 To 100, Deduct	-2.42	
For >100 To 250, Deduct	-3.85	
For >250 To 500, Deduct	-5.72	
For >500, Deduct	-7.60	
26 51 19 00-0339 EA 5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840) .....	64.35	26.31
For >50 To 100, Deduct	-2.60	
For >100 To 250, Deduct	-4.20	
For >250 To 500, Deduct	-6.44	
For >500, Deduct	-8.67	
26 51 19 00-0340 EA 6" Diameter, 800 Lumens, 10 Watt, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM) .....	875.29	26.31
For >50 To 100, Deduct	-22.87	
For >100 To 250, Deduct	-44.75	
For >250 To 500, Deduct	-87.53	
For >500, Deduct	-130.31	
<b>26 51 19 00-0341 Wall Mount LED Cylinder Downlight (26 51 19 00-0001)</b>		
26 51 19 00-0342 EA 9" Diameter, 2,200 Lumens, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9) .....	343.85	40.88
For >50 To 100, Deduct	-10.13	
For >100 To 250, Deduct	-18.73	
For >250 To 500, Deduct	-34.39	
For >500, Deduct	-50.04	
<b>26 51 19 00-0343 Wall Sconce And Wall Wash LED Fixtures (26 51 19 00-0001)</b>		
<b>26 51 19 00-0344 LED Wall Sconce Fixtures (Hudson Valley Lighting) (26 51 19 00-0343)</b>		

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0345	EA		2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN) .....	494.22	38.42
			<i>For &gt;50 To 100, Deduct</i>	-13.80	
			<i>For &gt;100 To 250, Deduct</i>	-26.15	
			<i>For &gt;250 To 500, Deduct</i>	-49.42	
			<i>For &gt;500, Deduct</i>	-72.69	
<b>26 51 19 00-0346</b>			<b>LED Wall Sconce Fixtures (Kichler) <small>(26 51 19 00-0343)</small></b>		
26 51 19 00-0347	EA		6" High x 11.75" Wide x 3.5" Deep, 900 Lumens, 15 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED).....	269.02	38.42
			<i>For &gt;50 To 100, Deduct</i>	-8.17	
			<i>For &gt;100 To 250, Deduct</i>	-14.89	
			<i>For &gt;250 To 500, Deduct</i>	-26.90	
			<i>For &gt;500, Deduct</i>	-38.91	
<b>26 51 19 00-0348</b>			<b>LED Wall Sconce Fixtures (Metalux) <small>(26 51 19 00-0343)</small></b>		
26 51 19 00-0349	EA		9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VNTS071009L30ENBN) .....	141.45	38.42
			<i>For &gt;50 To 100, Deduct</i>	-4.98	
			<i>For &gt;100 To 250, Deduct</i>	-8.51	
			<i>For &gt;250 To 500, Deduct</i>	-14.15	
			<i>For &gt;500, Deduct</i>	-19.78	
26 51 19 00-0350	EA		5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH).....	130.97	38.42
			<i>For &gt;50 To 100, Deduct</i>	-4.71	
			<i>For &gt;100 To 250, Deduct</i>	-7.99	
			<i>For &gt;250 To 500, Deduct</i>	-13.10	
			<i>For &gt;500, Deduct</i>	-18.21	
<b>26 51 19 00-0351</b>			<b>Concealed Continuous LED Fixtures <small>(26 51 19 00-0001)</small></b>		
<b>26 51 19 00-0352</b>			<b>Concealed Continuous LED Fixtures (Fraqtir™ S301) <small>(26 51 19 00-0351)</small></b>		
26 51 19 00-0353	LF		Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301) .....	688.93	4.38
			<i>For &gt;50 To 100, Deduct</i>	-17.44	
			<i>For &gt;100 To 250, Deduct</i>	-34.67	
			<i>For &gt;250 To 500, Deduct</i>	-68.89	
			<i>For &gt;500, Deduct</i>	-103.12	
26 51 19 00-0354	LF		Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301) .....	785.78	4.38
			<i>For &gt;50 To 100, Deduct</i>	-19.86	
			<i>For &gt;100 To 250, Deduct</i>	-39.51	
			<i>For &gt;250 To 500, Deduct</i>	-78.58	
			<i>For &gt;500, Deduct</i>	-117.65	
<b>26 51 19 00-0355</b>			<b>Low Bay LED Fixtures <small>(26 51 19 00-0001)</small></b>		
<b>26 51 19 00-0356</b>			<b>LED Linear Low Bay Fixtures (PlanLED) <small>(26 51 19 00-0355)</small></b>		
26 51 19 00-0357	EA		4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4) .....	332.89	52.64
			<i>For &gt;50 To 100, Deduct</i>	-10.52	
			<i>For &gt;100 To 250, Deduct</i>	-18.84	
			<i>For &gt;250 To 500, Deduct</i>	-33.29	
			<i>For &gt;500, Deduct</i>	-47.74	
26 51 19 00-0358	EA		4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A).....	459.55	52.64
			<i>For &gt;50 To 100, Deduct</i>	-13.68	
			<i>For &gt;100 To 250, Deduct</i>	-25.17	
			<i>For &gt;250 To 500, Deduct</i>	-45.96	
			<i>For &gt;500, Deduct</i>	-66.74	
26 51 19 00-0359	EA		8' Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A).....	773.63	65.80
			<i>For &gt;50 To 100, Deduct</i>	-22.08	
			<i>For &gt;100 To 250, Deduct</i>	-41.42	
			<i>For &gt;250 To 500, Deduct</i>	-77.36	
			<i>For &gt;500, Deduct</i>	-113.30	
<b>26 51 19 00-0360</b>			<b>LED Low Bay Fixtures (CREE®) <small>(26 51 19 00-0355)</small></b>		
<b>26 51 19 00-0361</b>			<b>LED Low Bay Fixtures (CREE® LS) <small>(26 51 19 00-0360)</small></b>		
			Note: Includes 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0362	EA		2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-35K-10V).....	254.29	52.64
			<i>For &gt;50 To 100, Deduct</i>	-8.55	
			<i>For &gt;100 To 250, Deduct</i>	-14.91	
			<i>For &gt;250 To 500, Deduct</i>	-25.43	
			<i>For &gt;500, Deduct</i>	-35.95	
26 51 19 00-0363	EA		2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-50K-10V).....	271.37	52.64
			<i>For &gt;50 To 100, Deduct</i>	-8.98	
			<i>For &gt;100 To 250, Deduct</i>	-15.76	
			<i>For &gt;250 To 500, Deduct</i>	-27.14	
			<i>For &gt;500, Deduct</i>	-38.51	
26 51 19 00-0364	EA		4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-35K-10V).....	261.41	52.64
			<i>For &gt;50 To 100, Deduct</i>	-8.73	
			<i>For &gt;100 To 250, Deduct</i>	-15.26	
			<i>For &gt;250 To 500, Deduct</i>	-26.14	
			<i>For &gt;500, Deduct</i>	-37.02	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0365	EA		4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-50K-10V) .....	278.49	52.64
			<i>For &gt;50 To 100, Deduct</i>	-9.16	
			<i>For &gt;100 To 250, Deduct</i>	-16.12	
			<i>For &gt;250 To 500, Deduct</i>	-27.85	
			<i>For &gt;500, Deduct</i>	-39.58	
26 51 19 00-0366	EA		5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-35K-10V) .....	291.30	52.64
			<i>For &gt;50 To 100, Deduct</i>	-9.48	
			<i>For &gt;100 To 250, Deduct</i>	-16.76	
			<i>For &gt;250 To 500, Deduct</i>	-29.13	
			<i>For &gt;500, Deduct</i>	-41.50	
26 51 19 00-0367	EA		5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-50K-10V) .....	308.39	52.64
			<i>For &gt;50 To 100, Deduct</i>	-9.90	
			<i>For &gt;100 To 250, Deduct</i>	-17.61	
			<i>For &gt;250 To 500, Deduct</i>	-30.84	
			<i>For &gt;500, Deduct</i>	-44.07	
26 51 19 00-0368	EA		8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-35K-10V) .....	408.61	65.80
			<i>For &gt;50 To 100, Deduct</i>	-12.96	
			<i>For &gt;100 To 250, Deduct</i>	-23.17	
			<i>For &gt;250 To 500, Deduct</i>	-40.86	
			<i>For &gt;500, Deduct</i>	-58.55	
26 51 19 00-0369	EA		8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-50K-10V) .....	439.93	65.80
			<i>For &gt;50 To 100, Deduct</i>	-13.74	
			<i>For &gt;100 To 250, Deduct</i>	-24.74	
			<i>For &gt;250 To 500, Deduct</i>	-43.99	
			<i>For &gt;500, Deduct</i>	-63.25	
26 51 19 00-0370	EA		10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-35K-10V) .....	505.42	65.80
			<i>For &gt;50 To 100, Deduct</i>	-15.38	
			<i>For &gt;100 To 250, Deduct</i>	-28.01	
			<i>For &gt;250 To 500, Deduct</i>	-50.54	
			<i>For &gt;500, Deduct</i>	-73.07	
26 51 19 00-0371	EA		10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-50K-10V) .....	522.50	65.80
			<i>For &gt;50 To 100, Deduct</i>	-15.80	
			<i>For &gt;100 To 250, Deduct</i>	-28.87	
			<i>For &gt;250 To 500, Deduct</i>	-52.25	
			<i>For &gt;500, Deduct</i>	-75.63	
<b>26 51 19 00-0372</b>			<b>LED Low Bay Fixtures (CREE® LN)</b> <small>(26 51 19 00-0360)</small>		
			Note: Includes 120/277 voltage and aluminum housing assembly. Excludes sensors.		
26 51 19 00-0373	EA		3,400 Lumens, 4' Length, LED Low Bay Fixture (Cree® LN4-34L-35K-10V) .....	570.33	52.64
			<i>For &gt;50 To 100, Deduct</i>	-16.45	
			<i>For &gt;100 To 250, Deduct</i>	-30.71	
			<i>For &gt;250 To 500, Deduct</i>	-57.03	
			<i>For &gt;500, Deduct</i>	-83.36	
26 51 19 00-0374	EA		3,400 Lumens, 4' Length, LED Low Bay Fixture, Smartcast Technology (Cree® LN4-34L-35K-CMA) .....	641.51	52.64
			<i>For &gt;50 To 100, Deduct</i>	-18.23	
			<i>For &gt;100 To 250, Deduct</i>	-34.27	
			<i>For &gt;250 To 500, Deduct</i>	-64.15	
			<i>For &gt;500, Deduct</i>	-94.03	
<b>26 51 19 00-0375</b>			<b>LED Linear Low Bay Fixtures (CREE® CS)</b> <small>(26 51 19 00-0360)</small>		
			Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.		
26 51 19 00-0376	EA		2,200 Lumens, 4' Length, LED Low Bay Fixture, 0-10V Dimming (Cree® CS14™) .....	419.34	52.64
			<i>For &gt;50 To 100, Deduct</i>	-12.68	
			<i>For &gt;100 To 250, Deduct</i>	-23.16	
			<i>For &gt;250 To 500, Deduct</i>	-41.93	
			<i>For &gt;500, Deduct</i>	-60.71	
26 51 19 00-0377	EA		3,800 Lumens, 4' Length, LED Low Bay Fixture, 0-10V Dimming (Cree® CS14™) .....	498.07	52.64
			<i>For &gt;50 To 100, Deduct</i>	-14.65	
			<i>For &gt;100 To 250, Deduct</i>	-27.10	
			<i>For &gt;250 To 500, Deduct</i>	-49.81	
			<i>For &gt;500, Deduct</i>	-72.52	
26 51 19 00-0378	EA		4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™) .....	557.04	52.64
			<i>For &gt;50 To 100, Deduct</i>	-16.12	
			<i>For &gt;100 To 250, Deduct</i>	-30.05	
			<i>For &gt;250 To 500, Deduct</i>	-55.70	
			<i>For &gt;500, Deduct</i>	-81.36	
26 51 19 00-0379	EA		7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™) .....	691.18	65.80
			<i>For &gt;50 To 100, Deduct</i>	-20.02	
			<i>For &gt;100 To 250, Deduct</i>	-37.30	
			<i>For &gt;250 To 500, Deduct</i>	-69.12	
			<i>For &gt;500, Deduct</i>	-100.94	
26 51 19 00-0380	EA		8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™) .....	877.08	65.80
			<i>For &gt;50 To 100, Deduct</i>	-24.67	
			<i>For &gt;100 To 250, Deduct</i>	-46.60	
			<i>For &gt;250 To 500, Deduct</i>	-87.71	
			<i>For &gt;500, Deduct</i>	-128.82	
26 51 19 00-0381	EA		4,000 Lumens, 4' Length, High Efficacy, LED Low Bay Fixture, Smartcast Technology (Cree® CS14-40LHE™) .....	521.92	52.64
			<i>For &gt;50 To 100, Deduct</i>	-15.24	
			<i>For &gt;100 To 250, Deduct</i>	-28.29	
			<i>For &gt;250 To 500, Deduct</i>	-52.19	
			<i>For &gt;500, Deduct</i>	-76.09	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0382	EA 3,800 Lumens, 4' Length, High Efficacy, LED Low Bay Fixture, Smartcast Technology (Cree® CS14-38L™) .....	565.05	52.64
	For >50 To 100, Deduct	-16.32	
	For >100 To 250, Deduct	-30.45	
	For >250 To 500, Deduct	-56.51	
	For >500, Deduct	-82.56	
26 51 19 00-0383	EA 8,000 Lumens, 8' Length, High Efficacy, LED Low Bay Fixture, Smartcast Technology (Cree® CS18-80LHE™) .....	832.84	65.80
	For >50 To 100, Deduct	-23.56	
	For >100 To 250, Deduct	-44.38	
	For >250 To 500, Deduct	-83.28	
	For >500, Deduct	-122.18	
26 51 19 00-0384	EA 7,500 Lumens, 8' Length, High Efficacy, LED Low Bay Fixture, Smartcast Technology (Cree® CS18-75L™) .....	653.47	65.80
	For >50 To 100, Deduct	-19.08	
	For >100 To 250, Deduct	-35.42	
	For >250 To 500, Deduct	-65.35	
	For >500, Deduct	-95.28	
<b>26 51 19 00-0385</b>	<b>Accessories For LED Low Bay Fixtures (CREE®) <small>(26 51 19 00-0380)</small></b>		
26 51 19 00-0386	EA Continuous Row Through Wiring Kit For 4' Fixtures (Cree® LS4TWK) .....	49.19	14.44
	For >50 To 100, Deduct	-1.83	
	For >100 To 250, Deduct	-3.06	
	For >250 To 500, Deduct	-4.92	
	For >500, Deduct	-6.78	
26 51 19 00-0387	EA Continuous Row Through Wiring Kit For 8' Fixtures (Cree® LS8TWK) .....	54.21	14.44
	For >50 To 100, Deduct	-1.96	
	For >100 To 250, Deduct	-3.31	
	For >250 To 500, Deduct	-5.42	
	For >500, Deduct	-7.53	
26 51 19 00-0388	EA Top Housing Aligner For Continuous Row Installations (Cree® LS-RJ) .....	40.80	14.44
	For >50 To 100, Deduct	-1.62	
	For >100 To 250, Deduct	-2.64	
	For >250 To 500, Deduct	-4.08	
	For >500, Deduct	-5.52	
26 51 19 00-0389	EA Reflector Joint Aligner For Continuous Row Installations (Cree® LS-RFLJ).....	32.43	14.44
	For >50 To 100, Deduct	-1.41	
	For >100 To 250, Deduct	-2.22	
	For >250 To 500, Deduct	-3.24	
	For >500, Deduct	-4.26	
26 51 19 00-0390	EA Solid Reflector, Pair (Cree® LS4-SR) .....	107.80	14.44
	For >50 To 100, Deduct	-3.30	
	For >100 To 250, Deduct	-5.99	
	For >250 To 500, Deduct	-10.78	
	For >500, Deduct	-15.57	
26 51 19 00-0391	EA Solid Reflector, Pair (Cree® LS8-SR) .....	149.68	14.44
	For >50 To 100, Deduct	-4.34	
	For >100 To 250, Deduct	-8.09	
	For >250 To 500, Deduct	-14.97	
	For >500, Deduct	-21.85	
26 51 19 00-0392	EA 5" Cable Canopy With #18/2 SJT Cord, 48" (Cree® AC5-18/2-48-Q14B-JB).....	54.21	14.44
	For >50 To 100, Deduct	-1.96	
	For >100 To 250, Deduct	-3.31	
	For >250 To 500, Deduct	-5.42	
	For >500, Deduct	-7.53	
26 51 19 00-0393	EA 5" Cable Canopy With #18/2 SJT Cord, 72" (Cree® AC5-18/2-72-Q14B-JB).....	77.66	14.44
	For >50 To 100, Deduct	-2.54	
	For >100 To 250, Deduct	-4.48	
	For >250 To 500, Deduct	-7.77	
	For >500, Deduct	-11.05	
26 51 19 00-0394	EA 5" Cable Canopy With #18/5 SJT Cord, 48" (Cree® AC5-18/5-48-Q14B-JB).....	60.90	14.44
	For >50 To 100, Deduct	-2.12	
	For >100 To 250, Deduct	-3.65	
	For >250 To 500, Deduct	-6.09	
	For >500, Deduct	-8.53	
26 51 19 00-0395	EA 5" Cable Canopy With #18/5 SJT Cord, 72" (Cree® AC5-18/5-72-Q14B-JB).....	82.68	14.44
	For >50 To 100, Deduct	-2.67	
	For >100 To 250, Deduct	-4.74	
	For >250 To 500, Deduct	-8.27	
	For >500, Deduct	-11.80	
26 51 19 00-0396	EA 5" Cable Canopy With #18/5 SJT Cord, 96" (Cree® AC5-18/5-96-Q14B-JB).....	87.71	14.44
	For >50 To 100, Deduct	-2.79	
	For >100 To 250, Deduct	-4.99	
	For >250 To 500, Deduct	-8.77	
	For >500, Deduct	-12.56	
26 51 19 00-0397	EA 5" Cable Canopy With #12/3 SJT Cord, 48" (Cree® AC5-12/3-48-Q14B-JB).....	74.30	14.44
	For >50 To 100, Deduct	-2.46	
	For >100 To 250, Deduct	-4.32	
	For >250 To 500, Deduct	-7.43	
	For >500, Deduct	-10.54	
26 51 19 00-0398	EA 5" Cable Canopy With #12/3 SJT Cord, 72" (Cree® AC5-12/3-72-Q14B-JB).....	112.82	14.44
	For >50 To 100, Deduct	-3.42	
	For >100 To 250, Deduct	-6.24	
	For >250 To 500, Deduct	-11.28	
	For >500, Deduct	-16.32	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0399	EA		Set Of End Caps, One With Power Feed, One Without (Cree® LN-EC) .....	57.56	14.44
			<i>For &gt;50 To 100, Deduct</i>	-2.04	
			<i>For &gt;100 To 250, Deduct</i>	-3.48	
			<i>For &gt;250 To 500, Deduct</i>	-5.76	
			<i>For &gt;500, Deduct</i>	-8.03	
26 51 19 00-0400	EA		Canopy Kit With Aircraft Cable And Opening For Power Feed (Cree® LN-CK-5-AC) .....	70.95	14.44
			<i>For &gt;50 To 100, Deduct</i>	-2.38	
			<i>For &gt;100 To 250, Deduct</i>	-4.15	
			<i>For &gt;250 To 500, Deduct</i>	-7.10	
			<i>For &gt;500, Deduct</i>	-10.04	
26 51 19 00-0401	EA		Canopy Kit With Aircraft Cable No Opening For Power Feed (Cree® LN-CK-0-AC) .....	54.21	14.44
			<i>For &gt;50 To 100, Deduct</i>	-1.96	
			<i>For &gt;100 To 250, Deduct</i>	-3.31	
			<i>For &gt;250 To 500, Deduct</i>	-5.42	
			<i>For &gt;500, Deduct</i>	-7.53	
26 51 19 00-0402	EA		Emergency 125W Inverter, Ceiling Installed (Cree® ELI-125W) .....	1,099.39	35.09
			<i>For &gt;50 To 100, Deduct</i>	-28.80	
			<i>For &gt;100 To 250, Deduct</i>	-56.29	
			<i>For &gt;250 To 500, Deduct</i>	-109.94	
			<i>For &gt;500, Deduct</i>	-163.59	
26 51 19 00-0403	EA		120 Volt, Emergency Relay For Use With Generator Power (Cree® EL-SR-120) .....	387.60	35.09
			<i>For &gt;50 To 100, Deduct</i>	-11.01	
			<i>For &gt;100 To 250, Deduct</i>	-20.70	
			<i>For &gt;250 To 500, Deduct</i>	-38.76	
			<i>For &gt;500, Deduct</i>	-56.82	
<b>26 51 19 00-0404</b>			<b>LED Linear Low Bay Fixtures (Lithonia MSL)</b> <small>(26 51 19 00-0355)</small>		
			Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0405	EA		4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL) .....	919.79	52.64
			<i>For &gt;50 To 100, Deduct</i>	-25.19	
			<i>For &gt;100 To 250, Deduct</i>	-48.18	
			<i>For &gt;250 To 500, Deduct</i>	-91.98	
			<i>For &gt;500, Deduct</i>	-135.78	
<b>26 51 19 00-0406</b>			<b>High Bay LED Fixtures</b> <small>(26 51 19 00-0001)</small>		
<b>26 51 19 00-0407</b>			<b>LED High Bay Fixtures (Columbia Lighting LWS)</b> <small>(26 51 19 00-0406)</small>		
26 51 19 00-0408	EA		16" x 24", 7,909 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-LW-W-EU) .....	434.38	96.50
			<i>For &gt;50 To 100, Deduct</i>	-15.68	
			<i>For &gt;100 To 250, Deduct</i>	-26.54	
			<i>For &gt;250 To 500, Deduct</i>	-43.44	
			<i>For &gt;500, Deduct</i>	-60.33	
26 51 19 00-0409	EA		16" x 24", 8,526 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-LW-W-EU) .....	434.38	96.50
			<i>For &gt;50 To 100, Deduct</i>	-15.68	
			<i>For &gt;100 To 250, Deduct</i>	-26.54	
			<i>For &gt;250 To 500, Deduct</i>	-43.44	
			<i>For &gt;500, Deduct</i>	-60.33	
26 51 19 00-0410	EA		16" x 24", 11,812 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-ML-W-EU) .....	492.31	96.50
			<i>For &gt;50 To 100, Deduct</i>	-17.13	
			<i>For &gt;100 To 250, Deduct</i>	-29.44	
			<i>For &gt;250 To 500, Deduct</i>	-49.23	
			<i>For &gt;500, Deduct</i>	-69.02	
26 51 19 00-0411	EA		16" x 24", 12,734 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-ML-W-EU) .....	492.31	96.50
			<i>For &gt;50 To 100, Deduct</i>	-17.13	
			<i>For &gt;100 To 250, Deduct</i>	-29.44	
			<i>For &gt;250 To 500, Deduct</i>	-49.23	
			<i>For &gt;500, Deduct</i>	-69.02	
26 51 19 00-0412	EA		16" x 24", 14,813 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-HL-W-EU) .....	588.85	96.50
			<i>For &gt;50 To 100, Deduct</i>	-19.55	
			<i>For &gt;100 To 250, Deduct</i>	-34.27	
			<i>For &gt;250 To 500, Deduct</i>	-58.89	
			<i>For &gt;500, Deduct</i>	-83.50	
26 51 19 00-0413	EA		16" x 24", 15,968 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-HL-W-EU) .....	588.85	96.50
			<i>For &gt;50 To 100, Deduct</i>	-19.55	
			<i>For &gt;100 To 250, Deduct</i>	-34.27	
			<i>For &gt;250 To 500, Deduct</i>	-58.89	
			<i>For &gt;500, Deduct</i>	-83.50	
26 51 19 00-0414	EA		16" x 24", 18,714 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-VL-W-EU) .....	627.47	96.50
			<i>For &gt;50 To 100, Deduct</i>	-20.51	
			<i>For &gt;100 To 250, Deduct</i>	-36.20	
			<i>For &gt;250 To 500, Deduct</i>	-62.75	
			<i>For &gt;500, Deduct</i>	-89.30	
26 51 19 00-0415	EA		16" x 24", 19,511 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-VL-W-EU) .....	627.47	96.50
			<i>For &gt;50 To 100, Deduct</i>	-20.51	
			<i>For &gt;100 To 250, Deduct</i>	-36.20	
			<i>For &gt;250 To 500, Deduct</i>	-62.75	
			<i>For &gt;500, Deduct</i>	-89.30	
26 51 19 00-0416	EA		16" x 24", 22,994 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-XL-W-EU) .....	656.44	96.50
			<i>For &gt;50 To 100, Deduct</i>	-21.24	
			<i>For &gt;100 To 250, Deduct</i>	-37.65	
			<i>For &gt;250 To 500, Deduct</i>	-65.64	
			<i>For &gt;500, Deduct</i>	-93.64	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0417	EA	16" x 24", 24,787 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-XL-W-EU).....	656.44	96.50
			<i>For &gt;50 To 100, Deduct</i>	-21.24	
			<i>For &gt;100 To 250, Deduct</i>	-37.65	
			<i>For &gt;250 To 500, Deduct</i>	-65.64	
			<i>For &gt;500, Deduct</i>	-93.64	
<b>26 51</b>	<b>19 00-0418</b>		<b>LED High Bay Fixtures (Cree)</b> <small>(26 51 19 00-0406)</small>		
<b>26 51</b>	<b>19 00-0419</b>		<b>LED High Bay Fixtures (CREE®)</b> <small>(26 51 19 00-0418)</small>		
26 51	19 00-0420	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-10V) .....	675.61	96.50
			<i>For &gt;50 To 100, Deduct</i>	-21.72	
			<i>For &gt;100 To 250, Deduct</i>	-38.61	
			<i>For &gt;250 To 500, Deduct</i>	-67.56	
			<i>For &gt;500, Deduct</i>	-96.52	
26 51	19 00-0421	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-ML).....	812.68	96.50
			<i>For &gt;50 To 100, Deduct</i>	-25.14	
			<i>For &gt;100 To 250, Deduct</i>	-45.46	
			<i>For &gt;250 To 500, Deduct</i>	-81.27	
			<i>For &gt;500, Deduct</i>	-117.08	
26 51	19 00-0422	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-10V).....	745.70	96.50
			<i>For &gt;50 To 100, Deduct</i>	-23.47	
			<i>For &gt;100 To 250, Deduct</i>	-42.11	
			<i>For &gt;250 To 500, Deduct</i>	-74.57	
			<i>For &gt;500, Deduct</i>	-107.03	
26 51	19 00-0423	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-ML).....	854.57	96.50
			<i>For &gt;50 To 100, Deduct</i>	-26.19	
			<i>For &gt;100 To 250, Deduct</i>	-47.55	
			<i>For &gt;250 To 500, Deduct</i>	-85.46	
			<i>For &gt;500, Deduct</i>	-123.36	
26 51	19 00-0424	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-10V).....	699.81	96.50
			<i>For &gt;50 To 100, Deduct</i>	-22.32	
			<i>For &gt;100 To 250, Deduct</i>	-39.82	
			<i>For &gt;250 To 500, Deduct</i>	-69.98	
			<i>For &gt;500, Deduct</i>	-100.15	
26 51	19 00-0425	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-ML).....	837.81	96.50
			<i>For &gt;50 To 100, Deduct</i>	-25.77	
			<i>For &gt;100 To 250, Deduct</i>	-46.72	
			<i>For &gt;250 To 500, Deduct</i>	-83.78	
			<i>For &gt;500, Deduct</i>	-120.85	
26 51	19 00-0426	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-10V).....	770.82	96.50
			<i>For &gt;50 To 100, Deduct</i>	-24.10	
			<i>For &gt;100 To 250, Deduct</i>	-43.37	
			<i>For &gt;250 To 500, Deduct</i>	-77.08	
			<i>For &gt;500, Deduct</i>	-110.80	
26 51	19 00-0427	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-ML) .....	879.68	96.50
			<i>For &gt;50 To 100, Deduct</i>	-26.82	
			<i>For &gt;100 To 250, Deduct</i>	-48.81	
			<i>For &gt;250 To 500, Deduct</i>	-87.97	
			<i>For &gt;500, Deduct</i>	-127.13	
<b>26 51</b>	<b>19 00-0428</b>		<b>Accessories For LED High Bay Fixtures (CREE®)</b> <small>(26 51 19 00-0418)</small>		
26 51	19 00-0429	EA	15 Amperes, 120 Volt, Straight Blade Plug For LED High Bay Fixtures (Cree® AP-515P) .....	49.19	14.44
			<i>For &gt;50 To 100, Deduct</i>	-1.83	
			<i>For &gt;100 To 250, Deduct</i>	-3.06	
			<i>For &gt;250 To 500, Deduct</i>	-4.92	
			<i>For &gt;500, Deduct</i>	-6.78	
26 51	19 00-0430	EA	15 Amperes, 120 Volt, Twist Lock Plug For LED High Bay Fixtures (Cree® AP-L515P).....	49.19	14.44
			<i>For &gt;50 To 100, Deduct</i>	-1.83	
			<i>For &gt;100 To 250, Deduct</i>	-3.06	
			<i>For &gt;250 To 500, Deduct</i>	-4.92	
			<i>For &gt;500, Deduct</i>	-6.78	
26 51	19 00-0431	EA	16" Matte Spun Aluminum Reflector For LED High Bay Fixture (Cree® CXBA16N) .....	65.93	14.44
			<i>For &gt;50 To 100, Deduct</i>	-2.25	
			<i>For &gt;100 To 250, Deduct</i>	-3.90	
			<i>For &gt;250 To 500, Deduct</i>	-6.59	
			<i>For &gt;500, Deduct</i>	-9.29	
26 51	19 00-0432	EA	16" Clear Acrylic Reflector For LED High Bay Fixture (Cree® CXBP16) .....	99.42	14.44
			<i>For &gt;50 To 100, Deduct</i>	-3.09	
			<i>For &gt;100 To 250, Deduct</i>	-5.57	
			<i>For &gt;250 To 500, Deduct</i>	-9.94	
			<i>For &gt;500, Deduct</i>	-14.31	
26 51	19 00-0433	EA	16" White Acrylic Reflector For LED High Bay Fixture (Cree® CXBW16) .....	116.18	14.44
			<i>For &gt;50 To 100, Deduct</i>	-3.51	
			<i>For &gt;100 To 250, Deduct</i>	-6.41	
			<i>For &gt;250 To 500, Deduct</i>	-11.62	
			<i>For &gt;500, Deduct</i>	-16.83	
26 51	19 00-0434	EA	16" Clear Prismatic Conical Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® CL16).....	65.93	14.44
			<i>For &gt;50 To 100, Deduct</i>	-2.25	
			<i>For &gt;100 To 250, Deduct</i>	-3.90	
			<i>For &gt;250 To 500, Deduct</i>	-6.59	
			<i>For &gt;500, Deduct</i>	-9.29	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0435	EA	16" Clear Prismatic Drop Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® DL16).....	67.61	14.44
			<i>For &gt;50 To 100, Deduct</i>	-2.29	
			<i>For &gt;100 To 250, Deduct</i>	-3.98	
			<i>For &gt;250 To 500, Deduct</i>	-6.76	
			<i>For &gt;500, Deduct</i>	-9.54	
26 51	19 00-0436	EA	16" Wire Guard For Aluminum Reflector For LED High Bay Fixtures (Cree® WG-A).....	49.19	14.44
			<i>For &gt;50 To 100, Deduct</i>	-1.83	
			<i>For &gt;100 To 250, Deduct</i>	-3.06	
			<i>For &gt;250 To 500, Deduct</i>	-4.92	
			<i>For &gt;500, Deduct</i>	-6.78	
26 51	19 00-0437	EA	16" Wire Guard For Prismatic And Acrylic Reflector For LED High Bay Fixtures (Cree® WG-AP).....	52.53	14.44
			<i>For &gt;50 To 100, Deduct</i>	-1.91	
			<i>For &gt;100 To 250, Deduct</i>	-3.23	
			<i>For &gt;250 To 500, Deduct</i>	-5.25	
			<i>For &gt;500, Deduct</i>	-7.28	
26 51	19 00-0438	EA	5' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-5) .....	34.11	14.44
			<i>For &gt;50 To 100, Deduct</i>	-1.45	
			<i>For &gt;100 To 250, Deduct</i>	-2.31	
			<i>For &gt;250 To 500, Deduct</i>	-3.41	
			<i>For &gt;500, Deduct</i>	-4.52	
26 51	19 00-0439	EA	10' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-10) .....	35.79	14.44
			<i>For &gt;50 To 100, Deduct</i>	-1.50	
			<i>For &gt;100 To 250, Deduct</i>	-2.39	
			<i>For &gt;250 To 500, Deduct</i>	-3.58	
			<i>For &gt;500, Deduct</i>	-4.77	
<b>26 51</b>	<b>19 00-0440</b>		<b>LED High Bay Fixtures (DLE)</b> <small>(26 51 19 00-0406)</small>		
26 51	19 00-0441	EA	12,000 Lumens, 120 Watt, LED High Bay Fixture (DLE-12-ST/HV) .....	1,335.04	96.50
			<i>For &gt;50 To 100, Deduct</i>	-38.20	
			<i>For &gt;100 To 250, Deduct</i>	-71.58	
			<i>For &gt;250 To 500, Deduct</i>	-133.50	
			<i>For &gt;500, Deduct</i>	-195.43	
26 51	19 00-0442	EA	18,000 Lumens, 180 Watt, LED High Bay Fixture (DLE-18-ST/HV) .....	1,649.66	96.50
			<i>For &gt;50 To 100, Deduct</i>	-46.07	
			<i>For &gt;100 To 250, Deduct</i>	-87.31	
			<i>For &gt;250 To 500, Deduct</i>	-164.97	
			<i>For &gt;500, Deduct</i>	-242.62	
26 51	19 00-0443	EA	24,000 Lumens, 230 Watt, LED High Bay Fixture (DLE-24-ST/HV) .....	1,941.81	96.50
			<i>For &gt;50 To 100, Deduct</i>	-53.37	
			<i>For &gt;100 To 250, Deduct</i>	-101.92	
			<i>For &gt;250 To 500, Deduct</i>	-194.18	
			<i>For &gt;500, Deduct</i>	-286.45	
<b>26 51</b>	<b>19 00-0444</b>		<b>LED High Bay Fixtures (Everlast)</b> <small>(26 51 19 00-0406)</small>		
<b>26 51</b>	<b>19 00-0445</b>		<b>LED High Bay Fixtures (Everlast EL-LED-LG)</b> <small>(26 51 19 00-0444)</small>		
26 51	19 00-0446	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC).....	887.62	96.50
			<i>For &gt;50 To 100, Deduct</i>	-27.02	
			<i>For &gt;100 To 250, Deduct</i>	-49.21	
			<i>For &gt;250 To 500, Deduct</i>	-88.76	
			<i>For &gt;500, Deduct</i>	-128.32	
26 51	19 00-0447	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO).....	940.74	96.50
			<i>For &gt;50 To 100, Deduct</i>	-28.34	
			<i>For &gt;100 To 250, Deduct</i>	-51.86	
			<i>For &gt;250 To 500, Deduct</i>	-94.07	
			<i>For &gt;500, Deduct</i>	-136.29	
26 51	19 00-0448	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16) .....	834.51	96.50
			<i>For &gt;50 To 100, Deduct</i>	-25.69	
			<i>For &gt;100 To 250, Deduct</i>	-46.55	
			<i>For &gt;250 To 500, Deduct</i>	-83.45	
			<i>For &gt;500, Deduct</i>	-120.35	
26 51	19 00-0449	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22) .....	856.98	96.50
			<i>For &gt;50 To 100, Deduct</i>	-26.25	
			<i>For &gt;100 To 250, Deduct</i>	-47.67	
			<i>For &gt;250 To 500, Deduct</i>	-85.70	
			<i>For &gt;500, Deduct</i>	-123.72	
26 51	19 00-0450	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC).....	979.56	96.50
			<i>For &gt;50 To 100, Deduct</i>	-29.31	
			<i>For &gt;100 To 250, Deduct</i>	-53.80	
			<i>For &gt;250 To 500, Deduct</i>	-97.96	
			<i>For &gt;500, Deduct</i>	-142.11	
26 51	19 00-0451	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO).....	1,071.49	96.50
			<i>For &gt;50 To 100, Deduct</i>	-31.61	
			<i>For &gt;100 To 250, Deduct</i>	-58.40	
			<i>For &gt;250 To 500, Deduct</i>	-107.15	
			<i>For &gt;500, Deduct</i>	-155.90	
26 51	19 00-0452	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16) .....	930.53	96.50
			<i>For &gt;50 To 100, Deduct</i>	-28.09	
			<i>For &gt;100 To 250, Deduct</i>	-51.35	
			<i>For &gt;250 To 500, Deduct</i>	-93.05	
			<i>For &gt;500, Deduct</i>	-134.75	

**26 Electrical**  
**26 50 Lighting**  
**26 51 Interior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0453	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22) .....	1,010.20	96.50
			<i>For &gt;50 To 100, Deduct</i>	-30.08	
			<i>For &gt;100 To 250, Deduct</i>	-55.34	
			<i>For &gt;250 To 500, Deduct</i>	-101.02	
			<i>For &gt;500, Deduct</i>	-146.70	
26 51 19 00-0454	EA		34,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30) .....	1,490.31	96.50
			<i>For &gt;50 To 100, Deduct</i>	-42.08	
			<i>For &gt;100 To 250, Deduct</i>	-79.34	
			<i>For &gt;250 To 500, Deduct</i>	-149.03	
			<i>For &gt;500, Deduct</i>	-218.72	
26 51 19 00-0455	EA		43,000 Lumens, 400 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30) .....	1,633.31	96.50
			<i>For &gt;50 To 100, Deduct</i>	-45.66	
			<i>For &gt;100 To 250, Deduct</i>	-86.49	
			<i>For &gt;250 To 500, Deduct</i>	-163.33	
			<i>For &gt;500, Deduct</i>	-240.17	
26 51 19 00-0456	EA		66,000 Lumens, 600 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30) .....	2,041.91	96.50
			<i>For &gt;50 To 100, Deduct</i>	-55.87	
			<i>For &gt;100 To 250, Deduct</i>	-106.92	
			<i>For &gt;250 To 500, Deduct</i>	-204.19	
			<i>For &gt;500, Deduct</i>	-301.46	
<b>26 51 19 00-0457 LED High Bay Fixtures (Everlast EL-LED-CS) <small>(26 51 19 00-0444)</small></b>					
26 51 19 00-0458	EA		5,000 Lumens, 50 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	540.32	96.50
			<i>For &gt;50 To 100, Deduct</i>	-18.33	
			<i>For &gt;100 To 250, Deduct</i>	-31.84	
			<i>For &gt;250 To 500, Deduct</i>	-54.03	
			<i>For &gt;500, Deduct</i>	-76.22	
26 51 19 00-0459	EA		10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	816.12	96.50
			<i>For &gt;50 To 100, Deduct</i>	-25.23	
			<i>For &gt;100 To 250, Deduct</i>	-45.63	
			<i>For &gt;250 To 500, Deduct</i>	-81.61	
			<i>For &gt;500, Deduct</i>	-117.59	
26 51 19 00-0460	EA		15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	938.70	96.50
			<i>For &gt;50 To 100, Deduct</i>	-28.29	
			<i>For &gt;100 To 250, Deduct</i>	-51.76	
			<i>For &gt;250 To 500, Deduct</i>	-93.87	
			<i>For &gt;500, Deduct</i>	-135.98	
26 51 19 00-0461	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	1,081.71	96.50
			<i>For &gt;50 To 100, Deduct</i>	-31.87	
			<i>For &gt;100 To 250, Deduct</i>	-58.91	
			<i>For &gt;250 To 500, Deduct</i>	-108.17	
			<i>For &gt;500, Deduct</i>	-157.43	
26 51 19 00-0462	EA		30,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	1,173.64	96.50
			<i>For &gt;50 To 100, Deduct</i>	-34.17	
			<i>For &gt;100 To 250, Deduct</i>	-63.51	
			<i>For &gt;250 To 500, Deduct</i>	-117.36	
			<i>For &gt;500, Deduct</i>	-171.22	
<b>26 51 19 00-0463 LED High Bay Fixtures (Everlast EL-LED-HB-LG) <small>(26 51 19 00-0444)</small></b>					
26 51 19 00-0464	EA		10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG).....	724.19	96.50
			<i>For &gt;50 To 100, Deduct</i>	-22.93	
			<i>For &gt;100 To 250, Deduct</i>	-41.03	
			<i>For &gt;250 To 500, Deduct</i>	-72.42	
			<i>For &gt;500, Deduct</i>	-103.80	
26 51 19 00-0465	EA		15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG).....	775.26	96.50
			<i>For &gt;50 To 100, Deduct</i>	-24.21	
			<i>For &gt;100 To 250, Deduct</i>	-43.59	
			<i>For &gt;250 To 500, Deduct</i>	-77.53	
			<i>For &gt;500, Deduct</i>	-111.46	
26 51 19 00-0466	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG).....	846.77	96.50
			<i>For &gt;50 To 100, Deduct</i>	-25.99	
			<i>For &gt;100 To 250, Deduct</i>	-47.16	
			<i>For &gt;250 To 500, Deduct</i>	-84.68	
			<i>For &gt;500, Deduct</i>	-122.19	
<b>26 51 19 00-0467 LED High Bay Fixtures (Everlast EL-LED-LHB) <small>(26 51 19 00-0444)</small></b>					
26 51 19 00-0468	EA		13,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-LHB).....	736.44	96.50
			<i>For &gt;50 To 100, Deduct</i>	-23.24	
			<i>For &gt;100 To 250, Deduct</i>	-41.65	
			<i>For &gt;250 To 500, Deduct</i>	-73.64	
			<i>For &gt;500, Deduct</i>	-105.64	
26 51 19 00-0469	EA		26,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LHB).....	918.27	96.50
			<i>For &gt;50 To 100, Deduct</i>	-27.78	
			<i>For &gt;100 To 250, Deduct</i>	-50.74	
			<i>For &gt;250 To 500, Deduct</i>	-91.83	
			<i>For &gt;500, Deduct</i>	-132.92	
26 51 19 00-0470	EA		39,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LHB).....	1,153.21	96.50
			<i>For &gt;50 To 100, Deduct</i>	-33.66	
			<i>For &gt;100 To 250, Deduct</i>	-62.49	
			<i>For &gt;250 To 500, Deduct</i>	-115.32	
			<i>For &gt;500, Deduct</i>	-168.16	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 51 19 00-0471 LED High Bay Fixtures (Lithonia IBL)</b> <small>(26 51 19 00-0406)</small>		
<small>Note: Includes aluminum alloy chassis.</small>		
26 51 19 00-0472 EA 9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L) .....	562.55	96.50
<i>For &gt;50 To 100, Deduct</i>	<i>-18.89</i>	
<i>For &gt;100 To 250, Deduct</i>	<i>-32.95</i>	
<i>For &gt;250 To 500, Deduct</i>	<i>-56.26</i>	
<i>For &gt;500, Deduct</i>	<i>-79.56</i>	
26 51 19 00-0473 EA 12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L) .....	610.82	96.50
<i>For &gt;50 To 100, Deduct</i>	<i>-20.10</i>	
<i>For &gt;100 To 250, Deduct</i>	<i>-35.37</i>	
<i>For &gt;250 To 500, Deduct</i>	<i>-61.08</i>	
<i>For &gt;500, Deduct</i>	<i>-86.80</i>	
26 51 19 00-0474 EA 18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L) .....	741.16	96.50
<i>For &gt;50 To 100, Deduct</i>	<i>-23.35</i>	
<i>For &gt;100 To 250, Deduct</i>	<i>-41.88</i>	
<i>For &gt;250 To 500, Deduct</i>	<i>-74.12</i>	
<i>For &gt;500, Deduct</i>	<i>-106.35</i>	
26 51 19 00-0475 EA 24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L) .....	793.30	96.50
<i>For &gt;50 To 100, Deduct</i>	<i>-24.66</i>	
<i>For &gt;100 To 250, Deduct</i>	<i>-44.49</i>	
<i>For &gt;250 To 500, Deduct</i>	<i>-79.33</i>	
<i>For &gt;500, Deduct</i>	<i>-114.17</i>	
<b>26 51 19 00-0476 LED High Bay Fixtures (Metalux SSLED)</b> <small>(26 51 19 00-0406)</small>		
26 51 19 00-0477 EA 12,000 Lumens, 80 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-12-M-UNV-L840-CD1U) .....	669.32	96.50
<i>For &gt;50 To 100, Deduct</i>	<i>-21.56</i>	
<i>For &gt;100 To 250, Deduct</i>	<i>-38.29</i>	
<i>For &gt;250 To 500, Deduct</i>	<i>-66.93</i>	
<i>For &gt;500, Deduct</i>	<i>-95.57</i>	
26 51 19 00-0478 EA 15,000 Lumens, 100 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-15-M-UNV-L840-CD1U) .....	688.03	96.50
<i>For &gt;50 To 100, Deduct</i>	<i>-22.03</i>	
<i>For &gt;100 To 250, Deduct</i>	<i>-39.23</i>	
<i>For &gt;250 To 500, Deduct</i>	<i>-68.80</i>	
<i>For &gt;500, Deduct</i>	<i>-98.38</i>	
26 51 19 00-0479 EA 18,000 Lumens, 120 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-18-M-UNV-L840-CD1U) .....	695.57	96.50
<i>For &gt;50 To 100, Deduct</i>	<i>-22.21</i>	
<i>For &gt;100 To 250, Deduct</i>	<i>-39.60</i>	
<i>For &gt;250 To 500, Deduct</i>	<i>-69.56</i>	
<i>For &gt;500, Deduct</i>	<i>-99.51</i>	
26 51 19 00-0480 EA 24,000 Lumens, 160 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-24-M-UNV-L840-CD1U) .....	767.32	96.50
<i>For &gt;50 To 100, Deduct</i>	<i>-24.01</i>	
<i>For &gt;100 To 250, Deduct</i>	<i>-43.19</i>	
<i>For &gt;250 To 500, Deduct</i>	<i>-76.73</i>	
<i>For &gt;500, Deduct</i>	<i>-110.27</i>	
26 51 19 00-0481 EA 30,000 Lumens, 200 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-30-M-UNV-L840-CD1U) .....	850.89	96.50
<i>For &gt;50 To 100, Deduct</i>	<i>-26.10</i>	
<i>For &gt;100 To 250, Deduct</i>	<i>-47.37</i>	
<i>For &gt;250 To 500, Deduct</i>	<i>-85.09</i>	
<i>For &gt;500, Deduct</i>	<i>-122.81</i>	
26 51 19 00-0482 EA 36,000 Lumens, 240 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-36-M-UNV-L840-CD1U) .....	882.25	96.50
<i>For &gt;50 To 100, Deduct</i>	<i>-26.88</i>	
<i>For &gt;100 To 250, Deduct</i>	<i>-48.94</i>	
<i>For &gt;250 To 500, Deduct</i>	<i>-88.23</i>	
<i>For &gt;500, Deduct</i>	<i>-127.51</i>	
<b>26 51 19 00-0483 LED High Bay Fixtures (Neptun LED)</b> <small>(26 51 19 00-0406)</small>		
26 51 19 00-0484 EA 2" Diameter, 13,100 Lumens, Bi-Level Dimming, LED High Bay Fixture With Motion Sensor (Neptun LED-19150) .....	912.59	96.50
<i>For &gt;50 To 100, Deduct</i>	<i>-27.64</i>	
<i>For &gt;100 To 250, Deduct</i>	<i>-50.45</i>	
<i>For &gt;250 To 500, Deduct</i>	<i>-91.26</i>	
<i>For &gt;500, Deduct</i>	<i>-132.06</i>	
<b>26 51 19 00-0485 LED High Bay Fixtures (PlanLED)</b> <small>(26 51 19 00-0406)</small>		
<b>26 51 19 00-0486 LED High Bay Fixtures (PlanLED LUNA)</b> <small>(26 51 19 00-0485)</small>		
<small>Note: Includes aluminum alloy chassis.</small>		
26 51 19 00-0487 EA 7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70) .....	863.11	96.50
<i>For &gt;50 To 100, Deduct</i>	<i>-26.40</i>	
<i>For &gt;100 To 250, Deduct</i>	<i>-47.98</i>	
<i>For &gt;250 To 500, Deduct</i>	<i>-86.31</i>	
<i>For &gt;500, Deduct</i>	<i>-124.64</i>	
26 51 19 00-0488 EA 9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98) .....	977.52	96.50
<i>For &gt;50 To 100, Deduct</i>	<i>-29.26</i>	
<i>For &gt;100 To 250, Deduct</i>	<i>-53.70</i>	
<i>For &gt;250 To 500, Deduct</i>	<i>-97.75</i>	
<i>For &gt;500, Deduct</i>	<i>-141.80</i>	
26 51 19 00-0489 EA 13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130) .....	1,143.00	96.50
<i>For &gt;50 To 100, Deduct</i>	<i>-33.40</i>	
<i>For &gt;100 To 250, Deduct</i>	<i>-61.98</i>	
<i>For &gt;250 To 500, Deduct</i>	<i>-114.30</i>	
<i>For &gt;500, Deduct</i>	<i>-166.62</i>	

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 51</b>	<b>Interior Lighting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0490	EA	16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160) .....	1,304.39	96.50
			<i>For &gt;50 To 100, Deduct</i>	-37.44	
			<i>For &gt;100 To 250, Deduct</i>	-70.04	
			<i>For &gt;250 To 500, Deduct</i>	-130.44	
			<i>For &gt;500, Deduct</i>	-190.83	
<b>26 51</b>	<b>19 00-0491</b>		<b>LED High Bay Fixtures (PlanLED IBL) (26 51 19 00-0485)</b>		
			Note: Includes aluminum alloy chassis.		
26 51	19 00-0492	EA	13,650 Lumens, 130 Watt, 46.5' Length, LED Indirect High Bay Fixture (PlanLED IBL 130W).....	944.83	96.50
			<i>For 480 Volt, Add</i>	57.30	
			<i>For &gt;50 To 100, Deduct</i>	-28.45	
			<i>For &gt;100 To 250, Deduct</i>	-52.07	
			<i>For &gt;250 To 500, Deduct</i>	-94.48	
			<i>For &gt;500, Deduct</i>	-136.90	
26 51	19 00-0493	EA	21,000 Lumens, 200 Watt, 46.5' Length, LED Indirect High Bay Fixture (PlanLED IBL 200W).....	1,343.21	96.50
			<i>For 480 Volt, Add</i>	72.60	
			<i>For &gt;50 To 100, Deduct</i>	-38.41	
			<i>For &gt;100 To 250, Deduct</i>	-71.99	
			<i>For &gt;250 To 500, Deduct</i>	-134.32	
			<i>For &gt;500, Deduct</i>	-196.66	
26 51	19 00-0494	EA	42,000 Lumens, 400 Watt, 46.5' Length, LED Indirect High Bay Fixture (PlanLED IBL 400W).....	2,440.29	96.50
			<i>For 480 Volt, Add</i>	115.18	
			<i>For &gt;50 To 100, Deduct</i>	-65.83	
			<i>For &gt;100 To 250, Deduct</i>	-126.84	
			<i>For &gt;250 To 500, Deduct</i>	-244.03	
			<i>For &gt;500, Deduct</i>	-361.22	
<b>26 51</b>	<b>19 00-0495</b>		<b>LED High Bay Fixtures (PlanLED SEGA) (26 51 19 00-0485)</b>		
			Note: Includes aluminum alloy chassis.		
26 51	19 00-0496	EA	10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080) .....	730.32	96.50
			<i>For 0 To 10 Volt Dimming, Add</i>	88.26	
			<i>For &gt;50 To 100, Deduct</i>	-23.08	
			<i>For &gt;100 To 250, Deduct</i>	-41.34	
			<i>For &gt;250 To 500, Deduct</i>	-73.03	
			<i>For &gt;500, Deduct</i>	-104.72	
26 51	19 00-0497	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100) .....	785.48	96.50
			<i>For 0 To 10 Volt Dimming, Add</i>	88.26	
			<i>For &gt;50 To 100, Deduct</i>	-24.46	
			<i>For &gt;100 To 250, Deduct</i>	-44.10	
			<i>For &gt;250 To 500, Deduct</i>	-78.55	
			<i>For &gt;500, Deduct</i>	-113.00	
26 51	19 00-0498	EA	16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130) .....	975.47	96.50
			<i>For 0 To 10 Volt Dimming, Add</i>	88.26	
			<i>For &gt;50 To 100, Deduct</i>	-29.21	
			<i>For &gt;100 To 250, Deduct</i>	-53.60	
			<i>For &gt;250 To 500, Deduct</i>	-97.55	
			<i>For &gt;500, Deduct</i>	-141.50	
26 51	19 00-0499	EA	20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160) .....	1,112.35	96.50
			<i>For 0 To 10 Volt Dimming, Add</i>	88.26	
			<i>For &gt;50 To 100, Deduct</i>	-32.63	
			<i>For &gt;100 To 250, Deduct</i>	-60.44	
			<i>For &gt;250 To 500, Deduct</i>	-111.24	
			<i>For &gt;500, Deduct</i>	-162.03	
26 51	19 00-0500	EA	50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400).....	2,121.59	96.50
			<i>For &gt;50 To 100, Deduct</i>	-57.87	
			<i>For &gt;100 To 250, Deduct</i>	-110.90	
			<i>For &gt;250 To 500, Deduct</i>	-212.16	
			<i>For &gt;500, Deduct</i>	-313.41	
26 51	19 00-0501	EA	57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500).....	2,301.37	96.50
			<i>For &gt;50 To 100, Deduct</i>	-62.36	
			<i>For &gt;100 To 250, Deduct</i>	-119.89	
			<i>For &gt;250 To 500, Deduct</i>	-230.14	
			<i>For &gt;500, Deduct</i>	-340.38	
26 51	19 00-0502	EA	80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640).....	3,538.99	96.50
			<i>For &gt;50 To 100, Deduct</i>	-93.30	
			<i>For &gt;100 To 250, Deduct</i>	-181.77	
			<i>For &gt;250 To 500, Deduct</i>	-353.90	
			<i>For &gt;500, Deduct</i>	-526.02	
26 51	19 00-0503		Wet/Hazardous Location, LED Fixtures (26 51 19 00-0001)		
26 51	19 00-0504		Wet Location, LED Fixtures (26 51 19 00-0503)		
26 51	19 00-0505		Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) (26 51 19 00-0504)		
			Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0506 EA 3,531 Lumens, 29 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L).....	3,062.26	73.70
For Ceiling Mount, Add	27.47	
For Quick Clip Mounting Option, Add	40.38	
For Frosted Lens, Add	86.84	
For Warm White Color Rendering, Add	111.79	
For Stanchion Mount, Add	187.35	
For Wall Mount, Add	207.39	
For Polycarbonate Lens, Add	160.95	
For Teflon Coated Lens, Add	184.31	
For 480 Volt, Add	263.29	
For >50 To 100, Deduct	-79.63	
For >100 To 250, Deduct	-156.18	
For >250 To 500, Deduct	-306.23	
For >500, Deduct	-456.27	
26 51 19 00-0507 EA 5,335 Lumens, 43 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L).....	3,117.44	78.95
For Ceiling Mount, Add	27.47	
For Quick Clip Mounting Option, Add	40.38	
For Frosted Lens, Add	86.84	
For Warm White Color Rendering, Add	111.79	
For Stanchion Mount, Add	187.35	
For Wall Mount, Add	207.39	
For Polycarbonate Lens, Add	160.95	
For Teflon Coated Lens, Add	184.31	
For 480 Volt, Add	263.29	
For >50 To 100, Deduct	-81.23	
For >100 To 250, Deduct	-159.16	
For >250 To 500, Deduct	-311.74	
For >500, Deduct	-464.33	
26 51 19 00-0508 EA 7,195 Lumens, 62 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L).....	3,525.81	84.22
For Ceiling Mount, Add	27.47	
For Quick Clip Mounting Option, Add	40.38	
For Frosted Lens, Add	86.84	
For Warm White Color Rendering, Add	111.79	
For Stanchion Mount, Add	187.35	
For Wall Mount, Add	207.39	
For Polycarbonate Lens, Add	160.95	
For Teflon Coated Lens, Add	184.31	
For 480 Volt, Add	263.29	
For >50 To 100, Deduct	-91.65	
For >100 To 250, Deduct	-179.80	
For >250 To 500, Deduct	-352.58	
For >500, Deduct	-525.36	
26 51 19 00-0509 EA 9,266 Lumens, 85 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L).....	4,258.27	89.49
For Ceiling Mount, Add	27.47	
For Quick Clip Mounting Option, Add	40.38	
For Frosted Lens, Add	86.84	
For Warm White Color Rendering, Add	111.79	
For Stanchion Mount, Add	187.35	
For Wall Mount, Add	207.39	
For Polycarbonate Lens, Add	160.95	
For Teflon Coated Lens, Add	184.31	
For 480 Volt, Add	263.29	
For >50 To 100, Deduct	-110.19	
For >100 To 250, Deduct	-216.64	
For >250 To 500, Deduct	-425.83	
For >500, Deduct	-635.01	
26 51 19 00-0510 EA 11,440 Lumens, 113 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	5,453.74	94.75
For Ceiling Mount, Add	27.47	
For Quick Clip Mounting Option, Add	40.38	
For Frosted Lens, Add	86.84	
For Warm White Color Rendering, Add	111.79	
For Stanchion Mount, Add	187.35	
For Wall Mount, Add	207.39	
For Polycarbonate Lens, Add	160.95	
For Teflon Coated Lens, Add	184.31	
For 480 Volt, Add	263.29	
For >50 To 100, Deduct	-140.29	
For >100 To 250, Deduct	-276.64	
For >250 To 500, Deduct	-545.37	
For >500, Deduct	-814.11	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0511	EA		13,226 Lumens, 131 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	7,208.07	97.38
			<i>For Ceiling Mount, Add</i>	27.47	
			<i>For Quick Clip Mounting Option, Add</i>	40.38	
			<i>For Frosted Lens, Add</i>	86.84	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For Stanchion Mount, Add</i>	187.35	
			<i>For Wall Mount, Add</i>	207.39	
			<i>For Polycarbonate Lens, Add</i>	160.95	
			<i>For Teflon Coated Lens, Add</i>	184.31	
			<i>For 480 Volt, Add</i>	263.29	
			<i>For &gt;50 To 100, Deduct</i>	-184.26	
			<i>For &gt;100 To 250, Deduct</i>	-364.46	
			<i>For &gt;250 To 500, Deduct</i>	-720.81	
			<i>For &gt;500, Deduct</i>	-1,077.15	
26 51 19 00-0512	EA		18,793 Lumens, 168 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L).....	8,363.24	100.01
			<i>For Ceiling Mount, Add</i>	27.47	
			<i>For Quick Clip Mounting Option, Add</i>	40.38	
			<i>For Frosted Lens, Add</i>	86.84	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For Stanchion Mount, Add</i>	187.35	
			<i>For Wall Mount, Add</i>	207.39	
			<i>For Polycarbonate Lens, Add</i>	160.95	
			<i>For Teflon Coated Lens, Add</i>	184.31	
			<i>For 480 Volt, Add</i>	263.29	
			<i>For &gt;50 To 100, Deduct</i>	-213.25	
			<i>For &gt;100 To 250, Deduct</i>	-422.33	
			<i>For &gt;250 To 500, Deduct</i>	-836.32	
			<i>For &gt;500, Deduct</i>	-1,250.32	
26 51 19 00-0513			<b>Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM)</b> <small>(26 51 19 00-0504)</small>		
			Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0514	EA		5,183 Lumens, 45 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L).....	2,745.35	78.95
			<i>For Bolt-On Visor, Add</i>	149.51	
			<i>For Bolt-On Wire Guard, Add</i>	307.52	
			<i>For 480 Volt, Add</i>	263.29	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For &gt;50 To 100, Deduct</i>	-71.92	
			<i>For &gt;100 To 250, Deduct</i>	-140.56	
			<i>For &gt;250 To 500, Deduct</i>	-274.54	
			<i>For &gt;500, Deduct</i>	-408.51	
26 51 19 00-0515	EA		7,095 Lumens, 62 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L).....	4,089.59	84.22
			<i>For Bolt-On Visor, Add</i>	149.51	
			<i>For Bolt-On Wire Guard, Add</i>	307.52	
			<i>For 480 Volt, Add</i>	263.29	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For &gt;50 To 100, Deduct</i>	-105.75	
			<i>For &gt;100 To 250, Deduct</i>	-207.99	
			<i>For &gt;250 To 500, Deduct</i>	-408.96	
			<i>For &gt;500, Deduct</i>	-609.93	
26 51 19 00-0516	EA		9,132 Lumens, 79 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L).....	4,513.42	89.49
			<i>For Bolt-On Visor, Add</i>	149.51	
			<i>For Bolt-On Wire Guard, Add</i>	307.52	
			<i>For 480 Volt, Add</i>	263.29	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For &gt;50 To 100, Deduct</i>	-116.56	
			<i>For &gt;100 To 250, Deduct</i>	-229.40	
			<i>For &gt;250 To 500, Deduct</i>	-451.34	
			<i>For &gt;500, Deduct</i>	-673.28	
26 51 19 00-0517	EA		11,107 Lumens, 99 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L).....	5,191.61	94.75
			<i>For Bolt-On Visor, Add</i>	149.51	
			<i>For Bolt-On Wire Guard, Add</i>	307.52	
			<i>For 480 Volt, Add</i>	263.29	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For &gt;50 To 100, Deduct</i>	-133.74	
			<i>For &gt;100 To 250, Deduct</i>	-263.53	
			<i>For &gt;250 To 500, Deduct</i>	-519.16	
			<i>For &gt;500, Deduct</i>	-774.79	
26 51 19 00-0518			<b>Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L)</b> <small>(26 51 19 00-0504)</small>		
			Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0519	EA	1,400 Lumens, 25 Watt, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC).....	1,881.51	73.70
			For 12/24 Volt DC Driver, Add	42.49	
			For Frosted Lens, Add	86.84	
			For 55 Degree Ambient Suitability (AC Only), Add	57.85	
			For Warm White Color Rendering, Add	111.79	
			For Ceiling Mount, Add	132.02	
			For Wall Mount, Add	191.46	
			For Teflon Coated Lens, Add	184.31	
			For Wall Mount With Junction Box, Add	278.13	
			For >50 To 100, Deduct	-50.11	
			For >100 To 250, Deduct	-97.15	
			For >250 To 500, Deduct	-188.15	
			For >500, Deduct	-279.16	
<b>26 51</b>	<b>19 00-0520</b>		<b>Vaportight, LED Fixtures</b> <small>(26 51 19 00-0503)</small>		
<b>26 51</b>	<b>19 00-0521</b>		<b>General Distribution, Vaportight, LED Fixtures (Metalux)</b> <small>(26 51 19 00-0520)</small>		
26 51	19 00-0522	EA	2', 2,000 Lumens, 16 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-G-UNV-L850-CD1-U) .....	297.24	42.12
			For >50 To 100, Deduct	-9.19	
			For >100 To 250, Deduct	-16.62	
			For >250 To 500, Deduct	-29.72	
			For >500, Deduct	-42.83	
26 51	19 00-0523	EA	2', 3,000 Lumens, 24 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-G-UNV-L850-CD1-U) .....	310.78	42.12
			For >50 To 100, Deduct	-9.52	
			For >100 To 250, Deduct	-17.29	
			For >250 To 500, Deduct	-31.08	
			For >500, Deduct	-44.86	
26 51	19 00-0524	EA	2', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-G-UNV-L850-CD1-U) .....	337.89	42.12
			For >50 To 100, Deduct	-10.20	
			For >100 To 250, Deduct	-18.65	
			For >250 To 500, Deduct	-33.79	
			For >500, Deduct	-48.93	
26 51	19 00-0525	EA	4', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-G-UNV-L850-CD1-U) .....	296.14	52.64
			For >50 To 100, Deduct	-9.60	
			For >100 To 250, Deduct	-17.00	
			For >250 To 500, Deduct	-29.61	
			For >500, Deduct	-42.23	
26 51	19 00-0526	EA	4', 6,000 Lumens, 51 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-G-UNV-L850-CD1-U) .....	335.01	52.64
			For >50 To 100, Deduct	-10.57	
			For >100 To 250, Deduct	-18.94	
			For >250 To 500, Deduct	-33.50	
			For >500, Deduct	-48.06	
26 51	19 00-0527	EA	4', 8,000 Lumens, 67 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-G-UNV-L850-CD1-U) .....	477.38	52.64
			For >50 To 100, Deduct	-14.13	
			For >100 To 250, Deduct	-26.06	
			For >250 To 500, Deduct	-47.74	
			For >500, Deduct	-69.41	
<b>26 51</b>	<b>19 00-0528</b>		<b>Wide Distribution, Vaportight, LED Fixtures (Metalux)</b> <small>(26 51 19 00-0520)</small>		
26 51	19 00-0529	EA	2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-W-UNV-L850-CD1-U) .....	324.34	42.12
			For >50 To 100, Deduct	-9.86	
			For >100 To 250, Deduct	-17.97	
			For >250 To 500, Deduct	-32.43	
			For >500, Deduct	-46.90	
26 51	19 00-0530	EA	2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-W-UNV-L850-CD1-U) .....	337.89	42.12
			For >50 To 100, Deduct	-10.20	
			For >100 To 250, Deduct	-18.65	
			For >250 To 500, Deduct	-33.79	
			For >500, Deduct	-48.93	
26 51	19 00-0531	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-W-UNV-L850-CD1-U) .....	364.99	42.12
			For >50 To 100, Deduct	-10.88	
			For >100 To 250, Deduct	-20.00	
			For >250 To 500, Deduct	-36.50	
			For >500, Deduct	-52.99	
26 51	19 00-0532	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-W-UNV-L850-CD1-U) .....	423.19	52.64
			For >50 To 100, Deduct	-12.77	
			For >100 To 250, Deduct	-23.35	
			For >250 To 500, Deduct	-42.32	
			For >500, Deduct	-61.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0533	EA	4'	6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-W-UNV-L850-CD1-U) .....	477.38	52.64
			<i>For &gt;50 To 100, Deduct</i>	-14.13	
			<i>For &gt;100 To 250, Deduct</i>	-26.06	
			<i>For &gt;250 To 500, Deduct</i>	-47.74	
			<i>For &gt;500, Deduct</i>	-69.41	
26 51 19 00-0534	EA	4'	8,000 Lumens, 70 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-W-UNV-L850-CD1-U) .....	531.59	52.64
			<i>For &gt;50 To 100, Deduct</i>	-15.48	
			<i>For &gt;100 To 250, Deduct</i>	-28.77	
			<i>For &gt;250 To 500, Deduct</i>	-53.16	
			<i>For &gt;500, Deduct</i>	-77.55	
<b>26 51 19 00-0535</b>			<b>Parking Garage Distribution, Vaportight, LED Fixtures (Metalux) <small>(26 51 19 00-0520)</small></b>		
26 51 19 00-0536	EA	2'	2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-P-UNV-L850-CD1-U).....	324.34	42.12
			<i>For &gt;50 To 100, Deduct</i>	-9.86	
			<i>For &gt;100 To 250, Deduct</i>	-17.97	
			<i>For &gt;250 To 500, Deduct</i>	-32.43	
			<i>For &gt;500, Deduct</i>	-46.90	
26 51 19 00-0537	EA	2'	3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-P-UNV-L850-CD1-U).....	338.92	42.12
			<i>For &gt;50 To 100, Deduct</i>	-10.23	
			<i>For &gt;100 To 250, Deduct</i>	-18.70	
			<i>For &gt;250 To 500, Deduct</i>	-33.89	
			<i>For &gt;500, Deduct</i>	-49.08	
26 51 19 00-0538	EA	2'	4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-P-UNV-L850-CD1-U).....	364.99	42.12
			<i>For &gt;50 To 100, Deduct</i>	-10.88	
			<i>For &gt;100 To 250, Deduct</i>	-20.00	
			<i>For &gt;250 To 500, Deduct</i>	-36.50	
			<i>For &gt;500, Deduct</i>	-52.99	
26 51 19 00-0539	EA	4'	4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-P-UNV-L850-CD1-U).....	423.19	52.64
			<i>For &gt;50 To 100, Deduct</i>	-12.77	
			<i>For &gt;100 To 250, Deduct</i>	-23.35	
			<i>For &gt;250 To 500, Deduct</i>	-42.32	
			<i>For &gt;500, Deduct</i>	-61.29	
26 51 19 00-0540	EA	4'	6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-P-UNV-L850-CD1-U).....	477.38	52.64
			<i>For &gt;50 To 100, Deduct</i>	-14.13	
			<i>For &gt;100 To 250, Deduct</i>	-26.06	
			<i>For &gt;250 To 500, Deduct</i>	-47.74	
			<i>For &gt;500, Deduct</i>	-69.41	
26 51 19 00-0541	EA	4'	8,000 Lumens, 69 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-P-UNV-L850-CD1-U).....	531.59	52.64
			<i>For &gt;50 To 100, Deduct</i>	-15.48	
			<i>For &gt;100 To 250, Deduct</i>	-28.77	
			<i>For &gt;250 To 500, Deduct</i>	-53.16	
			<i>For &gt;500, Deduct</i>	-77.55	
<b>26 51 19 00-0542</b>			<b>Ceiling Mounted LED Fixtures <small>(26 51 19 00-0001)</small></b>		
<b>26 51 19 00-0543</b>			<b>Ceiling Mounted, LED Drum Fixtures (Enertron) <small>(26 51 19 00-0542)</small></b>		
26 51 19 00-0544	EA	11"	Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30) .....	117.66	35.09
			<i>For &gt;50 To 100, Deduct</i>	-4.26	
			<i>For &gt;100 To 250, Deduct</i>	-7.20	
			<i>For &gt;250 To 500, Deduct</i>	-11.77	
			<i>For &gt;500, Deduct</i>	-16.33	
26 51 19 00-0545	EA	11"	Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30) .....	124.12	35.09
			<i>For &gt;50 To 100, Deduct</i>	-4.42	
			<i>For &gt;100 To 250, Deduct</i>	-7.52	
			<i>For &gt;250 To 500, Deduct</i>	-12.41	
			<i>For &gt;500, Deduct</i>	-17.30	
26 51 19 00-0546	EA	11"	Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30) .....	130.57	35.09
			<i>For &gt;50 To 100, Deduct</i>	-4.58	
			<i>For &gt;100 To 250, Deduct</i>	-7.84	
			<i>For &gt;250 To 500, Deduct</i>	-13.06	
			<i>For &gt;500, Deduct</i>	-18.27	
26 51 19 00-0547	EA	11"	Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30) .....	137.03	35.09
			<i>For &gt;50 To 100, Deduct</i>	-4.74	
			<i>For &gt;100 To 250, Deduct</i>	-8.17	
			<i>For &gt;250 To 500, Deduct</i>	-13.70	
			<i>For &gt;500, Deduct</i>	-19.24	
26 51 19 00-0548	EA	14"	Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30) .....	129.62	38.60
			<i>For &gt;50 To 100, Deduct</i>	-4.69	
			<i>For &gt;100 To 250, Deduct</i>	-7.93	
			<i>For &gt;250 To 500, Deduct</i>	-12.96	
			<i>For &gt;500, Deduct</i>	-18.00	
26 51 19 00-0549	EA	14"	Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30) .....	136.07	38.60
			<i>For &gt;50 To 100, Deduct</i>	-4.85	
			<i>For &gt;100 To 250, Deduct</i>	-8.25	
			<i>For &gt;250 To 500, Deduct</i>	-13.61	
			<i>For &gt;500, Deduct</i>	-18.96	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0550 EA 14" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30) .....	142.53	38.60
For >50 To 100, Deduct	-5.01	
For >100 To 250, Deduct	-8.57	
For >250 To 500, Deduct	-14.25	
For >500, Deduct	-19.93	
26 51 19 00-0551 EA 14" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30) .....	148.99	38.60
For >50 To 100, Deduct	-5.17	
For >100 To 250, Deduct	-8.90	
For >250 To 500, Deduct	-14.90	
For >500, Deduct	-20.90	
26 51 19 00-0552 EA 14" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30) .....	161.90	38.60
For >50 To 100, Deduct	-5.50	
For >100 To 250, Deduct	-9.54	
For >250 To 500, Deduct	-16.19	
For >500, Deduct	-22.84	
26 51 19 00-0553 EA 11" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35) .....	117.66	35.09
For >50 To 100, Deduct	-4.26	
For >100 To 250, Deduct	-7.20	
For >250 To 500, Deduct	-11.77	
For >500, Deduct	-16.33	
26 51 19 00-0554 EA 11" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35) .....	124.12	35.09
For >50 To 100, Deduct	-4.42	
For >100 To 250, Deduct	-7.52	
For >250 To 500, Deduct	-12.41	
For >500, Deduct	-17.30	
26 51 19 00-0555 EA 11" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35) .....	130.57	35.09
For >50 To 100, Deduct	-4.58	
For >100 To 250, Deduct	-7.84	
For >250 To 500, Deduct	-13.06	
For >500, Deduct	-18.27	
26 51 19 00-0556 EA 11" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35) .....	137.03	35.09
For >50 To 100, Deduct	-4.74	
For >100 To 250, Deduct	-8.17	
For >250 To 500, Deduct	-13.70	
For >500, Deduct	-19.24	
26 51 19 00-0557 EA 14" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35) .....	129.62	38.60
For >50 To 100, Deduct	-4.69	
For >100 To 250, Deduct	-7.93	
For >250 To 500, Deduct	-12.96	
For >500, Deduct	-18.00	
26 51 19 00-0558 EA 14" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35) .....	136.07	38.60
For >50 To 100, Deduct	-4.85	
For >100 To 250, Deduct	-8.25	
For >250 To 500, Deduct	-13.61	
For >500, Deduct	-18.96	
26 51 19 00-0559 EA 14" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35) .....	142.53	38.60
For >50 To 100, Deduct	-5.01	
For >100 To 250, Deduct	-8.57	
For >250 To 500, Deduct	-14.25	
For >500, Deduct	-19.93	
26 51 19 00-0560 EA 14" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35) .....	148.99	38.60
For >50 To 100, Deduct	-5.17	
For >100 To 250, Deduct	-8.90	
For >250 To 500, Deduct	-14.90	
For >500, Deduct	-20.90	
26 51 19 00-0561 EA 14" Diameter, 3,180 Lumens, 24 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30) .....	161.90	38.60
For >50 To 100, Deduct	-5.50	
For >100 To 250, Deduct	-9.54	
For >250 To 500, Deduct	-16.19	
For >500, Deduct	-22.84	
26 51 19 00-0562 EA 11" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40) .....	117.66	35.09
For >50 To 100, Deduct	-4.26	
For >100 To 250, Deduct	-7.20	
For >250 To 500, Deduct	-11.77	
For >500, Deduct	-16.33	
26 51 19 00-0563 EA 11" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40) .....	124.12	35.09
For >50 To 100, Deduct	-4.42	
For >100 To 250, Deduct	-7.52	
For >250 To 500, Deduct	-12.41	
For >500, Deduct	-17.30	
26 51 19 00-0564 EA 11" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40) .....	130.57	35.09
For >50 To 100, Deduct	-4.58	
For >100 To 250, Deduct	-7.84	
For >250 To 500, Deduct	-13.06	
For >500, Deduct	-18.27	
26 51 19 00-0565 EA 11" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40) .....	137.03	35.09
For >50 To 100, Deduct	-4.74	
For >100 To 250, Deduct	-8.17	
For >250 To 500, Deduct	-13.70	
For >500, Deduct	-19.24	
26 51 19 00-0566 EA 14" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40) .....	129.62	38.60
For >50 To 100, Deduct	-4.69	
For >100 To 250, Deduct	-7.93	
For >250 To 500, Deduct	-12.96	
For >500, Deduct	-18.00	

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0567	EA	14" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40) .....	136.07	38.60
			<i>For &gt;50 To 100, Deduct</i>	-4.85	
			<i>For &gt;100 To 250, Deduct</i>	-8.25	
			<i>For &gt;250 To 500, Deduct</i>	-13.61	
			<i>For &gt;500, Deduct</i>	-18.96	
26 51	19 00-0568	EA	14" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40) .....	142.53	38.60
			<i>For &gt;50 To 100, Deduct</i>	-5.01	
			<i>For &gt;100 To 250, Deduct</i>	-8.57	
			<i>For &gt;250 To 500, Deduct</i>	-14.25	
			<i>For &gt;500, Deduct</i>	-19.93	
26 51	19 00-0569	EA	14" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40) .....	148.99	38.60
			<i>For &gt;50 To 100, Deduct</i>	-5.17	
			<i>For &gt;100 To 250, Deduct</i>	-8.90	
			<i>For &gt;250 To 500, Deduct</i>	-14.90	
			<i>For &gt;500, Deduct</i>	-20.90	
26 51	19 00-0570	EA	14" Diameter, 3,300 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40) .....	161.90	38.60
			<i>For &gt;50 To 100, Deduct</i>	-5.50	
			<i>For &gt;100 To 250, Deduct</i>	-9.54	
			<i>For &gt;250 To 500, Deduct</i>	-16.19	
			<i>For &gt;500, Deduct</i>	-22.84	
26 51	19 00-0571	EA	11" Diameter, 560 Lumens, 7 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50) .....	117.66	35.09
			<i>For &gt;50 To 100, Deduct</i>	-4.26	
			<i>For &gt;100 To 250, Deduct</i>	-7.20	
			<i>For &gt;250 To 500, Deduct</i>	-11.77	
			<i>For &gt;500, Deduct</i>	-16.33	
26 51	19 00-0572	EA	11" Diameter, 1,120 Lumens, 10 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50) .....	124.12	35.09
			<i>For &gt;50 To 100, Deduct</i>	-4.42	
			<i>For &gt;100 To 250, Deduct</i>	-7.52	
			<i>For &gt;250 To 500, Deduct</i>	-12.41	
			<i>For &gt;500, Deduct</i>	-17.30	
26 51	19 00-0573	EA	11" Diameter, 1,680 Lumens, 14 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50) .....	130.57	35.09
			<i>For &gt;50 To 100, Deduct</i>	-4.58	
			<i>For &gt;100 To 250, Deduct</i>	-7.84	
			<i>For &gt;250 To 500, Deduct</i>	-13.06	
			<i>For &gt;500, Deduct</i>	-18.27	
26 51	19 00-0574	EA	11" Diameter, 2,240 Lumens, 17 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50) .....	137.03	35.09
			<i>For &gt;50 To 100, Deduct</i>	-4.74	
			<i>For &gt;100 To 250, Deduct</i>	-8.17	
			<i>For &gt;250 To 500, Deduct</i>	-13.70	
			<i>For &gt;500, Deduct</i>	-19.24	
26 51	19 00-0575	EA	14" Diameter, 560 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40) .....	129.62	38.60
			<i>For &gt;50 To 100, Deduct</i>	-4.69	
			<i>For &gt;100 To 250, Deduct</i>	-7.93	
			<i>For &gt;250 To 500, Deduct</i>	-12.96	
			<i>For &gt;500, Deduct</i>	-18.00	
26 51	19 00-0576	EA	14" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40) .....	136.07	38.60
			<i>For &gt;50 To 100, Deduct</i>	-4.85	
			<i>For &gt;100 To 250, Deduct</i>	-8.25	
			<i>For &gt;250 To 500, Deduct</i>	-13.61	
			<i>For &gt;500, Deduct</i>	-18.96	
26 51	19 00-0577	EA	14" Diameter, 1,680 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40) .....	142.53	38.60
			<i>For &gt;50 To 100, Deduct</i>	-5.01	
			<i>For &gt;100 To 250, Deduct</i>	-8.57	
			<i>For &gt;250 To 500, Deduct</i>	-14.25	
			<i>For &gt;500, Deduct</i>	-19.93	
26 51	19 00-0578	EA	14" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40) .....	148.99	38.60
			<i>For &gt;50 To 100, Deduct</i>	-5.17	
			<i>For &gt;100 To 250, Deduct</i>	-8.90	
			<i>For &gt;250 To 500, Deduct</i>	-14.90	
			<i>For &gt;500, Deduct</i>	-20.90	
26 51	19 00-0579	EA	14" Diameter, 3,360 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40) .....	161.90	38.60
			<i>For &gt;50 To 100, Deduct</i>	-5.50	
			<i>For &gt;100 To 250, Deduct</i>	-9.54	
			<i>For &gt;250 To 500, Deduct</i>	-16.19	
			<i>For &gt;500, Deduct</i>	-22.84	
26 51	19 00-0580	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30) .....	165.91	41.67
			<i>For &gt;50 To 100, Deduct</i>	-5.73	
			<i>For &gt;100 To 250, Deduct</i>	-9.87	
			<i>For &gt;250 To 500, Deduct</i>	-16.59	
			<i>For &gt;500, Deduct</i>	-23.31	
26 51	19 00-0581	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30) .....	180.58	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.09	
			<i>For &gt;100 To 250, Deduct</i>	-10.61	
			<i>For &gt;250 To 500, Deduct</i>	-18.06	
			<i>For &gt;500, Deduct</i>	-25.51	
26 51	19 00-0582	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30) .....	177.00	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.00	
			<i>For &gt;100 To 250, Deduct</i>	-10.43	
			<i>For &gt;250 To 500, Deduct</i>	-17.70	
			<i>For &gt;500, Deduct</i>	-24.97	
26 51	19 00-0583	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30) .....	176.95	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.00	
			<i>For &gt;100 To 250, Deduct</i>	-10.43	
			<i>For &gt;250 To 500, Deduct</i>	-17.70	
			<i>For &gt;500, Deduct</i>	-24.96	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0584	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30) .....	193.49	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.42	
			<i>For &gt;100 To 250, Deduct</i>	-11.25	
			<i>For &gt;250 To 500, Deduct</i>	-19.35	
			<i>For &gt;500, Deduct</i>	-27.44	
26 51	19 00-0585	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30) .....	188.15	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.28	
			<i>For &gt;100 To 250, Deduct</i>	-10.99	
			<i>For &gt;250 To 500, Deduct</i>	-18.82	
			<i>For &gt;500, Deduct</i>	-26.64	
26 51	19 00-0586	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30) .....	210.51	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.84	
			<i>For &gt;100 To 250, Deduct</i>	-12.10	
			<i>For &gt;250 To 500, Deduct</i>	-21.05	
			<i>For &gt;500, Deduct</i>	-30.00	
26 51	19 00-0587	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30) .....	203.23	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.66	
			<i>For &gt;100 To 250, Deduct</i>	-11.74	
			<i>For &gt;250 To 500, Deduct</i>	-20.32	
			<i>For &gt;500, Deduct</i>	-28.91	
26 51	19 00-0588	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30) .....	203.29	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.66	
			<i>For &gt;100 To 250, Deduct</i>	-11.74	
			<i>For &gt;250 To 500, Deduct</i>	-20.33	
			<i>For &gt;500, Deduct</i>	-28.91	
26 51	19 00-0589	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35) .....	165.91	41.67
			<i>For &gt;50 To 100, Deduct</i>	-5.73	
			<i>For &gt;100 To 250, Deduct</i>	-9.87	
			<i>For &gt;250 To 500, Deduct</i>	-16.59	
			<i>For &gt;500, Deduct</i>	-23.31	
26 51	19 00-0590	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35) .....	180.58	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.09	
			<i>For &gt;100 To 250, Deduct</i>	-10.61	
			<i>For &gt;250 To 500, Deduct</i>	-18.06	
			<i>For &gt;500, Deduct</i>	-25.51	
26 51	19 00-0591	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35) .....	177.00	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.00	
			<i>For &gt;100 To 250, Deduct</i>	-10.43	
			<i>For &gt;250 To 500, Deduct</i>	-17.70	
			<i>For &gt;500, Deduct</i>	-24.97	
26 51	19 00-0592	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35) .....	176.95	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.00	
			<i>For &gt;100 To 250, Deduct</i>	-10.43	
			<i>For &gt;250 To 500, Deduct</i>	-17.70	
			<i>For &gt;500, Deduct</i>	-24.96	
26 51	19 00-0593	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30) .....	193.49	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.42	
			<i>For &gt;100 To 250, Deduct</i>	-11.25	
			<i>For &gt;250 To 500, Deduct</i>	-19.35	
			<i>For &gt;500, Deduct</i>	-27.44	
26 51	19 00-0594	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30) .....	188.15	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.28	
			<i>For &gt;100 To 250, Deduct</i>	-10.99	
			<i>For &gt;250 To 500, Deduct</i>	-18.82	
			<i>For &gt;500, Deduct</i>	-26.64	
26 51	19 00-0595	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30) .....	210.51	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.84	
			<i>For &gt;100 To 250, Deduct</i>	-12.10	
			<i>For &gt;250 To 500, Deduct</i>	-21.05	
			<i>For &gt;500, Deduct</i>	-30.00	
26 51	19 00-0596	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35) .....	203.23	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.66	
			<i>For &gt;100 To 250, Deduct</i>	-11.74	
			<i>For &gt;250 To 500, Deduct</i>	-20.32	
			<i>For &gt;500, Deduct</i>	-28.91	
26 51	19 00-0597	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35) .....	203.29	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.66	
			<i>For &gt;100 To 250, Deduct</i>	-11.74	
			<i>For &gt;250 To 500, Deduct</i>	-20.33	
			<i>For &gt;500, Deduct</i>	-28.91	
26 51	19 00-0598	EA	19" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40) .....	165.91	41.67
			<i>For &gt;50 To 100, Deduct</i>	-5.73	
			<i>For &gt;100 To 250, Deduct</i>	-9.87	
			<i>For &gt;250 To 500, Deduct</i>	-16.59	
			<i>For &gt;500, Deduct</i>	-23.31	
26 51	19 00-0599	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35) .....	180.58	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.09	
			<i>For &gt;100 To 250, Deduct</i>	-10.61	
			<i>For &gt;250 To 500, Deduct</i>	-18.06	
			<i>For &gt;500, Deduct</i>	-25.51	
26 51	19 00-0600	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35) .....	177.00	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.00	
			<i>For &gt;100 To 250, Deduct</i>	-10.43	
			<i>For &gt;250 To 500, Deduct</i>	-17.70	
			<i>For &gt;500, Deduct</i>	-24.97	

**26 Electrical**  
**26 50 Lighting**  
**26 51 Interior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0601	EA		19" Diameter, 2,000 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40).....	176.95	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.00	
			<i>For &gt;100 To 250, Deduct</i>	-10.43	
			<i>For &gt;250 To 500, Deduct</i>	-17.70	
			<i>For &gt;500, Deduct</i>	-24.96	
26 51 19 00-0602	EA		19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	193.49	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.42	
			<i>For &gt;100 To 250, Deduct</i>	-11.25	
			<i>For &gt;250 To 500, Deduct</i>	-19.35	
			<i>For &gt;500, Deduct</i>	-27.44	
26 51 19 00-0603	EA		19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	188.15	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.28	
			<i>For &gt;100 To 250, Deduct</i>	-10.99	
			<i>For &gt;250 To 500, Deduct</i>	-18.82	
			<i>For &gt;500, Deduct</i>	-26.64	
26 51 19 00-0604	EA		19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	210.51	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.84	
			<i>For &gt;100 To 250, Deduct</i>	-12.10	
			<i>For &gt;250 To 500, Deduct</i>	-21.05	
			<i>For &gt;500, Deduct</i>	-30.00	
26 51 19 00-0605	EA		19" Diameter, 4,000 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40).....	203.23	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.66	
			<i>For &gt;100 To 250, Deduct</i>	-11.74	
			<i>For &gt;250 To 500, Deduct</i>	-20.32	
			<i>For &gt;500, Deduct</i>	-28.91	
26 51 19 00-0606	EA		19" Diameter, 4,400 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40).....	203.29	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.66	
			<i>For &gt;100 To 250, Deduct</i>	-11.74	
			<i>For &gt;250 To 500, Deduct</i>	-20.33	
			<i>For &gt;500, Deduct</i>	-28.91	
26 51 19 00-0607	EA		19" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50).....	165.91	41.67
			<i>For &gt;50 To 100, Deduct</i>	-5.73	
			<i>For &gt;100 To 250, Deduct</i>	-9.87	
			<i>For &gt;250 To 500, Deduct</i>	-16.59	
			<i>For &gt;500, Deduct</i>	-23.31	
26 51 19 00-0608	EA		19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	180.58	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.09	
			<i>For &gt;100 To 250, Deduct</i>	-10.61	
			<i>For &gt;250 To 500, Deduct</i>	-18.06	
			<i>For &gt;500, Deduct</i>	-25.51	
26 51 19 00-0609	EA		19" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50).....	177.00	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.00	
			<i>For &gt;100 To 250, Deduct</i>	-10.43	
			<i>For &gt;250 To 500, Deduct</i>	-17.70	
			<i>For &gt;500, Deduct</i>	-24.97	
26 51 19 00-0610	EA		19" Diameter, 2,010 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50).....	176.95	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.00	
			<i>For &gt;100 To 250, Deduct</i>	-10.43	
			<i>For &gt;250 To 500, Deduct</i>	-17.70	
			<i>For &gt;500, Deduct</i>	-24.96	
26 51 19 00-0611	EA		19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	193.49	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.42	
			<i>For &gt;100 To 250, Deduct</i>	-11.25	
			<i>For &gt;250 To 500, Deduct</i>	-19.35	
			<i>For &gt;500, Deduct</i>	-27.44	
26 51 19 00-0612	EA		19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	188.15	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.28	
			<i>For &gt;100 To 250, Deduct</i>	-10.99	
			<i>For &gt;250 To 500, Deduct</i>	-18.82	
			<i>For &gt;500, Deduct</i>	-26.64	
26 51 19 00-0613	EA		19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	210.51	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.84	
			<i>For &gt;100 To 250, Deduct</i>	-12.10	
			<i>For &gt;250 To 500, Deduct</i>	-21.05	
			<i>For &gt;500, Deduct</i>	-30.00	
26 51 19 00-0614	EA		19" Diameter, 4,020 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50).....	203.23	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.66	
			<i>For &gt;100 To 250, Deduct</i>	-11.74	
			<i>For &gt;250 To 500, Deduct</i>	-20.32	
			<i>For &gt;500, Deduct</i>	-28.91	
26 51 19 00-0615	EA		19" Diameter, 4,480 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50).....	203.29	41.67
			<i>For &gt;50 To 100, Deduct</i>	-6.66	
			<i>For &gt;100 To 250, Deduct</i>	-11.74	
			<i>For &gt;250 To 500, Deduct</i>	-20.33	
			<i>For &gt;500, Deduct</i>	-28.91	
26 51 19 00-0616			<b>Ceiling Mounted, LED Mushroom Fixtures (Mobern)</b> <small>(26 51 19 00-0542)</small>		
26 51 19 00-0617	EA		14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30).....	169.68	38.60
			<i>For &gt;50 To 100, Deduct</i>	-5.69	
			<i>For &gt;100 To 250, Deduct</i>	-9.93	
			<i>For &gt;250 To 500, Deduct</i>	-16.97	
			<i>For &gt;500, Deduct</i>	-24.00	
26 51 19 00-0618			<b>Ceiling Mounted, LED Fixtures (Sylvania)</b> <small>(26 51 19 00-0542)</small>		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0619 EA 12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D) .....	665.67	41.67
For >50 To 100, Deduct	-18.22	
For >100 To 250, Deduct	-34.86	
For >250 To 500, Deduct	-66.57	
For >500, Deduct	-98.27	
26 51 19 00-0620 EA 2' x 2', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMK1T1A/24A/WH) .....	249.83	35.09
For >50 To 100, Deduct	-7.56	
For >100 To 250, Deduct	-13.81	
For >250 To 500, Deduct	-24.98	
For >500, Deduct	-36.16	
26 51 19 00-0621 EA 2' x 4', 32 Watt, 120-277 Volt, 3500K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMK1T1A/24A/WH) .....	311.91	40.88
For >50 To 100, Deduct	-9.33	
For >100 To 250, Deduct	-17.13	
For >250 To 500, Deduct	-31.19	
For >500, Deduct	-45.25	
26 51 19 00-0622 EA 2' x 4', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMK1T1A/24A/WH) .....	315.74	40.88
For >50 To 100, Deduct	-9.43	
For >100 To 250, Deduct	-17.32	
For >250 To 500, Deduct	-31.57	
For >500, Deduct	-45.83	
<b>26 51 19 00-0623 Refrigeration/Display LED Fixtures</b> <small>(26 51 19 00-0001)</small>		
<b>26 51 19 00-0624 Refrigeration/Display LED Fixtures (Lithonia)</b> <small>(26 51 19 00-0623)</small>		
Note: Fixtures exclude driver.		
26 51 19 00-0625 EA 5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM) .....	258.04	40.88
For >50 To 100, Deduct	-7.99	
For >100 To 250, Deduct	-14.44	
For >250 To 500, Deduct	-25.80	
For >500, Deduct	-37.17	
26 51 19 00-0626 EA 5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC) .....	331.39	72.38
For >50 To 100, Deduct	-11.03	
For >100 To 250, Deduct	-19.31	
For >250 To 500, Deduct	-33.14	
For >500, Deduct	-46.97	
26 51 19 00-0627 EA Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL) .....	305.93	57.91
For >50 To 100, Deduct	-9.84	
For >100 To 250, Deduct	-17.49	
For >250 To 500, Deduct	-30.59	
For >500, Deduct	-43.70	
<b>26 51 19 00-0628 Pendant Mount, LED Fixtures</b> <small>(26 51 19 00-0001)</small>		
<b>26 51 19 00-0629 Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting)</b> <small>(26 51 19 00-0628)</small>		
26 51 19 00-0630 EA 2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S) .....	2,466.47	89.49
For >50 To 100, Deduct	-65.39	
For >100 To 250, Deduct	-127.05	
For >250 To 500, Deduct	-246.65	
For >500, Deduct	-366.24	
26 51 19 00-0631 EA 3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S) .....	3,742.18	94.75
For >50 To 100, Deduct	-97.50	
For >100 To 250, Deduct	-191.06	
For >250 To 500, Deduct	-374.22	
For >500, Deduct	-557.38	
26 51 19 00-0632 EA 4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S) .....	4,788.04	100.01
For >50 To 100, Deduct	-123.87	
For >100 To 250, Deduct	-243.57	
For >250 To 500, Deduct	-478.80	
For >500, Deduct	-714.04	
26 51 19 00-0633 EA 5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S) .....	6,063.76	105.28
For >50 To 100, Deduct	-155.98	
For >100 To 250, Deduct	-307.57	
For >250 To 500, Deduct	-606.38	
For >500, Deduct	-905.18	
26 51 19 00-0634 EA 2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S) .....	2,618.42	89.49
For >50 To 100, Deduct	-69.19	
For >100 To 250, Deduct	-134.65	
For >250 To 500, Deduct	-261.84	
For >500, Deduct	-389.03	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0635	EA		3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S).....	3,943.52	94.75
			<i>For &gt;50 To 100, Deduct</i>	-102.54	
			<i>For &gt;100 To 250, Deduct</i>	-201.12	
			<i>For &gt;250 To 500, Deduct</i>	-394.35	
			<i>For &gt;500, Deduct</i>	-587.58	
26 51 19 00-0636	EA		4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S).....	4,991.28	100.01
			<i>For &gt;50 To 100, Deduct</i>	-128.95	
			<i>For &gt;100 To 250, Deduct</i>	-253.73	
			<i>For &gt;250 To 500, Deduct</i>	-499.13	
			<i>For &gt;500, Deduct</i>	-744.53	
26 51 19 00-0637	EA		5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S).....	6,291.69	105.28
			<i>For &gt;50 To 100, Deduct</i>	-161.68	
			<i>For &gt;100 To 250, Deduct</i>	-318.97	
			<i>For &gt;250 To 500, Deduct</i>	-629.17	
			<i>For &gt;500, Deduct</i>	-939.37	
<b>26 51 19 00-0638</b>			<b>Pendant Mount, LED Commercial Fixtures (DMF)</b> <small>(26 51 19 00-0628)</small>		
26 51 19 00-0639	EA		3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED).....	948.18	52.64
			<i>For &gt;50 To 100, Deduct</i>	-25.90	
			<i>For &gt;100 To 250, Deduct</i>	-49.60	
			<i>For &gt;250 To 500, Deduct</i>	-94.82	
			<i>For &gt;500, Deduct</i>	-140.03	
<b>26 51 19 00-0640</b>			<b>LED Track Lighting Fixtures</b> <small>(26 51 19)</small>		
26 51 19 00-0641	EA		19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™).....	186.62	16.03
			<i>For &gt;50 To 100, Deduct</i>	-5.27	
			<i>For &gt;100 To 250, Deduct</i>	-9.93	
			<i>For &gt;250 To 500, Deduct</i>	-18.66	
			<i>For &gt;500, Deduct</i>	-27.39	
26 51 19 00-0642	EA		18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED).....	328.24	16.03
			<i>For &gt;50 To 100, Deduct</i>	-8.81	
			<i>For &gt;100 To 250, Deduct</i>	-17.01	
			<i>For &gt;250 To 500, Deduct</i>	-32.82	
			<i>For &gt;500, Deduct</i>	-48.64	
26 51 19 00-0643	EA		24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33).....	192.00	16.03
			<i>For &gt;50 To 100, Deduct</i>	-5.40	
			<i>For &gt;100 To 250, Deduct</i>	-10.20	
			<i>For &gt;250 To 500, Deduct</i>	-19.20	
			<i>For &gt;500, Deduct</i>	-28.20	
<b>26 51 23</b>			<b>HID Interior Lighting</b> <small>(26 51)</small>		
26 51 23 00-0001			<b>Large Interior Area Fixtures</b> <small>(26 51 23)</small>		
26 51 23 00-0002			<b>Recessed Mounted, Large Interior Area Fixtures</b> <small>(26 51 23 00-0001)</small> Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.		
26 51 23 00-0003			<b>High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures</b> <small>(26 51 23 00-0002)</small>		
26 51 23 00-0004	EA		150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture.....	380.24	102.38
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
26 51 23 00-0005	EA		250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture.....	395.81	108.72
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
26 51 23 00-0006	EA		400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture.....	413.58	124.09
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
26 51 23 00-0007			<b>Metal Halide, Recessed Mounted, Large Interior Area Fixtures</b> <small>(26 51 23 00-0002)</small>		
26 51 23 00-0008	EA		150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture.....	389.01	102.38
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
26 51 23 00-0009	EA		250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture.....	399.34	108.72
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
26 51 23 00-0010	EA		400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture.....	426.22	124.09
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
26 51 23 00-0011			<b>Low Bay Fixtures, Large Interior Area Fixtures</b> <small>(26 51 23 00-0001)</small> Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.		
26 51 23 00-0012			<b>High Pressure Sodium, Low Bay Fixtures</b> <small>(26 51 23 00-0011)</small>		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0013 EA 150 Watt High Pressure Sodium, Low Bay Fixture .....	371.46	93.52
For Wire Guard, Add	40.50	
For Enclosed And Gasketed, Add	75.47	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
26 51 23 00-0014 EA 250 Watt High Pressure Sodium, Low Bay Fixture .....	381.61	99.31
For Wire Guard, Add	40.50	
For Enclosed And Gasketed, Add	75.47	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
26 51 23 00-0015 EA 400 Watt High Pressure Sodium, Low Bay Fixture .....	403.63	113.34
For Wire Guard, Add	40.50	
For Enclosed And Gasketed, Add	75.47	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
<b>26 51 23 00-0016 Metal Halide, Low Bay Fixtures (26 51 23 00-0011)</b>		
26 51 23 00-0017 EA 175 Watt Metal Halide, Low Bay Fixture .....	367.35	93.52
For Wire Guard, Add	40.50	
For Enclosed And Gasketed, Add	75.47	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
26 51 23 00-0018 EA 250 Watt Metal Halide, Low Bay Fixture .....	376.71	99.31
For Wire Guard, Add	40.50	
For Enclosed And Gasketed, Add	75.47	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
26 51 23 00-0019 EA 400 Watt Metal Halide, Low Bay Fixture .....	409.37	113.34
For Wire Guard, Add	40.50	
For Enclosed And Gasketed, Add	75.47	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
<b>26 51 23 00-0020 High Bay Fixtures, Large Interior Area Fixtures (26 51 23 00-0001)</b>		
Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		
<b>26 51 23 00-0021 High Pressure Sodium, High Bay Fixtures (26 51 23 00-0020)</b>		
Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0022 EA 250 Watt High Pressure Sodium, High Bay Fixture .....	342.11	99.31
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 23 00-0023 EA 400 Watt High Pressure Sodium, High Bay Fixture .....	368.29	113.34
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 23 00-0024 EA 1,000 Watt High Pressure Sodium, High Bay Fixture .....	546.54	119.22
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
<b>26 51 23 00-0025 Metal Halide, High Bay Fixtures (26 51 23 00-0020)</b>		
Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0026 EA 250 Watt Metal Halide, High Bay Fixture .....	318.66	99.31
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0027	EA		400 Watt Metal Halide, High Bay Fixture .....	351.15	113.34
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
			<i>For Tempered Glass Or Acrylic Lens, Add</i>	60.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Security Chain, Add</i>	19.34	
			<i>For Optical Safety Chain, Add</i>	7.47	
			<i>For Ballast Safety Chain, Add</i>	12.13	
26 51 23 00-0028	EA		1,000 Watt Metal Halide, High Bay Fixture .....	458.18	119.22
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
			<i>For Tempered Glass Or Acrylic Lens, Add</i>	60.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Security Chain, Add</i>	19.34	
			<i>For Optical Safety Chain, Add</i>	7.47	
			<i>For Ballast Safety Chain, Add</i>	12.13	
26 51 23 00-0029			<b>Induction, High Bay Fixtures</b> <small>(26 51 23 00-0020)</small>		
26 51 23 00-0030			<b>Induction, High Bay Fixtures (Everlast®)</b> <small>(26 51 23 00-0029)</small>		
			Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51 23 00-0031	EA		100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	436.35	86.85
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0032	EA		120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	468.75	89.75
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0033	EA		150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	476.99	92.65
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0034	EA		200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	520.96	95.54
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0035	EA		250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	534.04	98.44
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0036	EA		100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	470.15	86.85
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0037	EA		120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	502.54	89.75
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0038	EA		150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	510.79	92.65
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0039	EA		200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	554.75	95.54
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0040	EA		250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	567.83	98.44
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0041			<b>Ceiling Mounted, Large Interior Area Fixtures</b> <small>(26 51 23 00-0001)</small>		
			Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51 23 00-0042			<b>High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures</b> <small>(26 51 23 00-0041)</small>		
26 51 23 00-0043	EA		100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	290.85	66.56
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 23 00-0044	EA		150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	622.72	66.56
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 23 00-0045	EA		250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	717.36	66.56
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 23 00-0046	EA		400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	964.02	66.56
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 23 00-0047			<b>Metal Halide, Ceiling Mounted, Large Interior Area Fixtures</b> <small>(26 51 23 00-0041)</small>		
26 51 23 00-0048	EA		100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	278.28	66.56
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 23 00-0049	EA		175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	291.85	73.86
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 23 00-0050	EA		250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	310.04	80.00
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 23 00-0051	EA		400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	345.96	95.28
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 51 23 00-0052 High Pressure Sodium, Recessed Fixture Housings</b> <small>(26 51 23)</small>		
26 51 23 00-0053 EA 4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing ..... <i>For ICAT Housing, Add</i>	130.36 11.49	27.66
26 51 23 00-0054 EA 5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing ..... <i>For ICAT Housing, Add</i>	136.31 12.26	27.66
26 51 23 00-0055 EA 6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing ..... <i>For ICAT Housing, Add</i>	143.18 12.89	28.81
26 51 23 00-0056 EA 7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing ..... <i>For ICAT Housing, Add</i>	148.34 13.31	30.06
26 51 23 00-0057 EA 8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing ..... <i>For ICAT Housing, Add</i>	153.46 13.73	31.31
26 51 23 00-0058 EA 10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing ..... <i>For ICAT Housing, Add</i>	157.92 13.93	33.23
<b>26 51 23 00-0059 Metal Halide Track Lighting Fixtures</b> <small>(26 51 23)</small>		
26 51 23 00-0060 EA Metal Halide Track Lighting Fixture .....	84.97	16.03
<b>26 51 23 00-0061 Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures</b> <small>(26 51 23)</small>		
26 51 23 00-0062 EA 75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture ..... <i>For Wall Mounted, Add</i>	154.83 6.30	38.42
26 51 23 00-0063 EA 100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture ..... <i>For Wall Mounted, Add</i>	159.80 6.30	38.42
26 51 23 00-0064 EA 150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture ..... <i>For Wall Mounted, Add</i>	169.90 6.30	38.42
26 51 23 00-0065 EA 175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture ..... <i>For Wall Mounted, Add</i>	185.08 6.30	38.42
<b>26 51 23 00-0066 High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures</b> <small>(26 51 23)</small>		
26 51 23 00-0067 EA 70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture ..... <i>For Wall Mounted, Add</i>	142.99 6.67	38.42
26 51 23 00-0068 EA 100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture ..... <i>For Wall Mounted, Add</i>	149.17 6.67	38.42
26 51 23 00-0069 EA 150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture ..... <i>For Wall Mounted, Add</i>	173.04 6.67	38.42
<b>26 51 33 Interior Lighting Accessories</b> <small>(26 51)</small>		
<b>26 51 33 00-0001 Accessories And Modifiers For Fixtures</b> <small>(26 51 33)</small>		
<b>26 51 33 00-0002 Lens Modifications</b> <small>(26 51 33 00-0001)</small>		
26 51 33 00-0003 EA For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	36.26	
26 51 33 00-0004 EA For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	44.79	
26 51 33 00-0005 EA For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	46.92	
26 51 33 00-0006 EA For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	51.18	
26 51 33 00-0007 EA For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	61.85	
26 51 33 00-0008 EA For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	14.93	
26 51 33 00-0009 EA For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	21.33	
26 51 33 00-0010 EA For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	23.46	
26 51 33 00-0011 EA For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	27.73	
<b>26 51 33 00-0012 Pendant Mounting Modifications</b> <small>(26 51 33 00-0001)</small>		
Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 33 00-0013 EA For Pendant Mounting Up to 1'-6" Long Section.....	16.21	
Note: Per pendant.		
26 51 33 00-0014 EA For Pendant Mounting 2' Long Section.....	18.77	
Note: Per pendant.		
26 51 33 00-0015 EA For Pendant Mounting 3' Long Section.....	24.01	
Note: Per pendant.		
26 51 33 00-0016 EA For Pendant Mounting 4' Long Section.....	28.36	
Note: Per pendant.		
26 51 33 00-0017 EA For Pendant Mounting 6' Long Section.....	35.83	
Note: Per pendant.		
26 51 33 00-0018 EA For Pendant Mounting 8' Long Section.....	48.63	
Note: Per pendant.		
<b>26 51 33 00-0019 Fluorescent Light Accessories</b> <small>(26 51 33 00-0001)</small>		
26 51 33 00-0020 EA Blank Metal Light Box Plate .....	24.44	
26 51 33 00-0021 EA Factory Installed Fixture Mounted Occupancy Sensor .....	164.20	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>26 51 33 00-0022</b>	<b>Wire Guards</b> <small>(26 51 33 00-0001)</small>		
26 51 33 00-0023	EA Wire Guard for 6" x 2' Fixture.....	66.64	4.81
26 51 33 00-0024	EA Wire Guard for 6" x 4' Fixture.....	92.93	7.70
26 51 33 00-0025	EA Wire Guard for 1" x 2' Fixture.....	74.44	5.30
26 51 33 00-0026	EA Wire Guard for 1" x 4' Fixture.....	105.30	8.18
26 51 33 00-0027	EA Wire Guard for 2" x 2' Fixture.....	91.37	5.78
26 51 33 00-0028	EA Wire Guard for 2" x 4' Fixture.....	124.50	8.66

<b>26 51 33 00-0029</b>	<b>Lighting Accessories</b> <small>(26 51 33)</small>		
<b>26 51 33 00-0030</b>	<b>Modular Flexible Wiring Systems</b> <small>(26 51 33 00-0029)</small>		
26 51 33 00-0031	EA 10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10) .....	94.70	5.18
26 51 33 00-0032	EA 15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15) .....	114.30	5.18
26 51 33 00-0033	EA 20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20) .....	139.11	5.18
26 51 33 00-0034	EA 15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15) .....	114.30	5.18
26 51 33 00-0035	EA 3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E) .....	90.08	5.18
26 51 33 00-0036	EA 13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13) .....	140.03	5.18
26 51 33 00-0037	EA 3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M) .....	73.96	5.18
26 51 33 00-0038	EA 3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E) .....	85.00	5.18
26 51 33 00-0039	EA 7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07) .....	114.21	5.18
26 51 33 00-0040	EA 7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07) .....	114.21	5.18
26 51 33 00-0041	EA 7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07) .....	116.29	5.18
26 51 33 00-0042	EA 7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07) .....	115.52	5.18
26 51 33 00-0043	EA 7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07) .....	115.52	5.18
26 51 33 00-0044	EA 15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15) .....	134.12	5.18
26 51 33 00-0045	EA 3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D) .....	56.77	5.18
26 51 33 00-0046	EA 3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E) .....	52.43	5.18
26 51 33 00-0047	EA 3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E) .....	53.94	5.18
26 51 33 00-0048	EA 3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E) .....	70.03	5.18
26 51 33 00-0049	EA 15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15) .....	94.70	5.18
26 51 33 00-0050	EA 15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15) .....	97.32	5.18
26 51 33 00-0051	EA Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E) .....	74.03	5.18
26 51 33 00-0052	EA 3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E) .....	52.43	5.18
26 51 33 00-0053	EA Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning.....	43.21	

<b>26 51 33 00-0054</b>	<b>Additional Lighting Wire Whips</b> <small>(26 51 33)</small>		
26 51 33 00-0055	LF For Each Additional LF Of Interior Lighting Wire Whip, Add .....	1.78	
	Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.		

<b>26 51 33 00-0056</b>	<b>Removal And Reinstallation Of Light Fixtures</b> <small>(26 51 33)</small>		
	Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.		
26 51 33 00-0057	EA Removal And Reinstallation Of Lay-In Fluorescent Light Fixture .....	102.21	
26 51 33 00-0058	EA Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture .....	116.80	

<b>26 52</b>	<b>Safety Lighting</b> <small>(26 50)</small>		
<b>26 52 13</b>	<b>Emergency and Exit Lighting</b> <small>(26 52)</small>		
<b>26 52 13 13</b>	<b>Emergency Lighting</b> <small>(26 52 13)</small>		
<b>26 52 13 13-0001</b>	<b>Commercial Emergency Lights</b> <small>(26 52 13 13)</small>		
<b>26 52 13 13-0002</b>	<b>Polycarbonate Housing, Commercial Emergency Lights</b> <small>(26 52 13 13-0001)</small>		
	Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0003	EA 3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED) .....	226.93	24.01
26 52 13 13-0004	EA 10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2) .....	151.74	24.01
	For Halogen Lamps, Add .....	27.55	
	For Self-Diagnostics, Add .....	87.50	
26 52 13 13-0005	EA 18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618) .....	250.14	24.01
	For Halogen Lamps, Add .....	27.55	
	For Self-Diagnostics, Add .....	87.50	
26 52 13 13-0006	EA 27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627) .....	294.70	24.01
	For Halogen Lamps, Add .....	27.55	
	For Self-Diagnostics, Add .....	87.50	
26 52 13 13-0007	EA 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654) .....	447.79	24.01
	For Halogen Lamps, Add .....	27.55	
	For Self-Diagnostics, Add .....	87.50	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Safety Lighting</b>	<b>26 52</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0008 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254) .....	509.94	24.01
<i>For Halogen Lamps, Add</i>	27.55	
<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0009 EA 72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272) .....	752.07	24.01
<i>For Halogen Lamps, Add</i>	27.55	
<i>For Self-Diagnostics, Add</i>	87.50	
<b>26 52 13 13-0010 Remote Heads For Commercial Emergency Lights</b> <small>(26 52 13 13-0001)</small>		
<i>Note: For use with fixtures that have remote capability.</i>		
26 52 13 13-0011 EA 6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606).....	154.86	14.41
26 52 13 13-0012 EA 6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606).....	155.98	14.41
26 52 13 13-0013 EA 8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806).....	159.74	14.41
26 52 13 13-0014 EA 12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212).....	159.13	14.41
26 52 13 13-0015 EA 12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212).....	136.06	14.41
26 52 13 13-0016 EA 12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	90.23	14.41
<b>26 52 13 13-0017 Industrial Emergency Lights</b> <small>(26 52 13 13)</small>		
<b>26 52 13 13-0018 Painted Steel Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0017)</small>		
<b>26 52 13 13-0019 Painted Steel Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0018)</small>		
<i>Note: Includes lead-calcium batteries and two adjustable lamp heads.</i>		
26 52 13 13-0020 EA 16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16) .....	413.98	24.01
<i>For Wireguard, Add</i>	220.18	
26 52 13 13-0021 EA 24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24) .....	344.45	24.01
<i>For Wireguard, Add</i>	220.18	
26 52 13 13-0022 EA 36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36) .....	547.65	24.01
<i>For Wireguard, Add</i>	220.18	
26 52 13 13-0023 EA 50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50).....	582.73	24.01
<i>For Wireguard, Add</i>	220.18	
26 52 13 13-0024 EA 125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125).....	839.91	24.01
<i>For Wireguard, Add</i>	234.52	
26 52 13 13-0025 EA 275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275).....	1,331.92	24.01
<i>For Wireguard, Add</i>	234.52	
<b>26 52 13 13-0026 Remote Heads For Painted Steel Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0018)</small>		
<i>Note: For use with fixtures that have remote capability.</i>		
26 52 13 13-0027 EA 8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	116.64	14.41
<i>For Wireguard, Add</i>	177.69	
26 52 13 13-0028 EA 12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	121.01	14.41
<i>For Wireguard, Add</i>	177.69	
26 52 13 13-0029 EA 8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812) .....	117.25	14.41
<i>For Wireguard, Add</i>	177.69	
26 52 13 13-0030 EA 12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	117.96	14.41
<i>For Wireguard, Add</i>	177.69	
26 52 13 13-0031 EA 12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	121.01	14.41
<i>For Wireguard, Add</i>	177.69	
26 52 13 13-0032 EA 12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	143.17	14.41
<i>For Wireguard, Add</i>	177.69	
<b>26 52 13 13-0033 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0017)</small>		
<b>26 52 13 13-0034 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0033)</small>		
<i>Note: Includes lead-calcium batteries and two adjustable lamp heads.</i>		
26 52 13 13-0035 EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618) .....	408.39	24.01
<i>For Wireguard, Add</i>	214.09	
<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0036 EA 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	445.49	24.01
<i>For Wireguard, Add</i>	214.09	
<i>For Self-Diagnostics, Add</i>	105.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0037 EA 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	435.33	24.01
For Wireguard, Add	214.09	
For Self-Diagnostics, Add	105.50	
26 52 13 13-0038 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	461.25	24.01
For Wireguard, Add	214.09	
For Self-Diagnostics, Add	105.50	
26 52 13 13-0039 EA 100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	789.59	24.01
For Wireguard, Add	214.09	
For Self-Diagnostics, Add	105.50	
26 52 13 13-0040 EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618).....	616.27	24.01
For Wireguard, Add	214.09	
For Self-Diagnostics, Add	61.50	
26 52 13 13-0041 EA 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	692.51	24.01
For Wireguard, Add	214.09	
For Self-Diagnostics, Add	61.50	
26 52 13 13-0042 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	731.14	24.01
For Wireguard, Add	214.09	
For Self-Diagnostics, Add	61.50	
<b>26 52 13 13-0043 Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0033)</small>		
Note: For use with fixtures that have remote capability.		
26 52 13 13-0044 EA 9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906).....	99.87	14.41
26 52 13 13-0045 EA 12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206).....	108.71	14.41
26 52 13 13-0046 EA 9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912).....	99.97	14.41
26 52 13 13-0047 EA 12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212).....	106.47	14.41
26 52 13 13-0048 EA 12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012).....	89.76	14.41
<b>26 52 13 13-0049 Outdoor Emergency Lights</b> <small>(26 52 13 13)</small>		
<b>26 52 13 13-0050 Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights</b> <small>(26 52 13 13-0049)</small>		
Note: Includes nickel-cadmium batteries.		
26 52 13 13-0051 EA 10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series).....	653.38	24.01
26 52 13 13-0052 EA 10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	782.99	24.01
<b>26 52 13 13-0053 Recessed Emergency Lights</b> <small>(26 52 13 13)</small>		
26 52 13 13-0054 EA 10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG).....	714.48	24.01
For Wire Guard, Add	60.00	
26 52 13 13-0055 EA 16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	543.55	48.02
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
For Wireguard, Add	234.52	
26 52 13 13-0056 EA 50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4).....	794.75	48.02
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
For Wireguard, Add	234.52	
<b>26 52 13 13-0057 Square Wraparound Emergency Lights</b> <small>(26 52 13 13)</small>		
26 52 13 13-0058 EA 10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ).....	318.29	24.01
<b>26 52 13 13-0059 Emergency Lights (Lithonia)</b> <small>(26 52 13 13)</small>		
26 52 13 13-0060 EA LED Emergency Light, White Thermoplastic Housing, 2 Adjustable Lamp Heads, 90 Minutes Battery Backup (Lithonia Lighting EU2L M12).....	83.23	24.01
26 52 13 13-0061 EA LED Emergency Light, White Thermoplastic Housing, 2 Adjustable Lamp Heads, 90 Minutes Battery Backup, Remote Capable (Lithonia Lighting EU2L REM M12).....	116.97	24.01
<b>26 52 13 16 Exit Signs</b> <small>(26 52 13)</small>		
Note: Excludes pendants.		
<b>26 52 13 16-0001 LED Exit Signs</b> <small>(26 52 13 16)</small>		
Note: Includes red LED lamps.		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Safety Lighting</b>	<b>26 52</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0002 EA Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6) .....	173.01	35.10
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-6.08	
For >100 To 250, Deduct	-10.41	
For >250 To 500, Deduct	-17.30	
For >500, Deduct	-24.20	
26 52 13 16-0003 EA Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6) .....	173.01	35.10
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-6.08	
For >100 To 250, Deduct	-10.41	
For >250 To 500, Deduct	-17.30	
For >500, Deduct	-24.20	
26 52 13 16-0004 EA Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM-S-W-3-R-120/277-EL-N-M6) .....	249.91	35.10
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
For >50 To 100, Deduct	-8.00	
For >100 To 250, Deduct	-14.25	
For >250 To 500, Deduct	-24.99	
For >500, Deduct	-35.73	
26 52 13 16-0005 EA Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN) .....	249.91	35.10
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
For >50 To 100, Deduct	-8.00	
For >100 To 250, Deduct	-14.25	
For >250 To 500, Deduct	-24.99	
For >500, Deduct	-35.73	
26 52 13 16-0006 EA Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-1-R) .....	277.39	35.10
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-8.69	
For >100 To 250, Deduct	-15.62	
For >250 To 500, Deduct	-27.74	
For >500, Deduct	-39.85	
26 52 13 16-0007 EA Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-2-R) .....	317.47	35.10
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-9.69	
For >100 To 250, Deduct	-17.63	
For >250 To 500, Deduct	-31.75	
For >500, Deduct	-45.87	
26 52 13 16-0008 EA Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-1-R-EL-N) .....	260.64	35.10
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
For >50 To 100, Deduct	-8.27	
For >100 To 250, Deduct	-14.79	
For >250 To 500, Deduct	-26.06	
For >500, Deduct	-37.34	
26 52 13 16-0009 EA Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-2-R-EL-N) .....	289.73	35.10
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
For >50 To 100, Deduct	-9.00	
For >100 To 250, Deduct	-16.24	
For >250 To 500, Deduct	-28.97	
For >500, Deduct	-41.70	
26 52 13 16-0010 EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-S-W-3-R-M4) .....	329.81	35.10
Note: Includes two circular side mounted krypton emergency lights.		
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-10.65	
For >100 To 250, Deduct	-18.89	
For >250 To 500, Deduct	-32.98	
For >500, Deduct	-47.07	
26 52 13 16-0011 EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-LED-R-M6) .....	279.11	35.10
Note: Includes two circular side mounted LED emergency lights.		
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-9.38	
For >100 To 250, Deduct	-16.36	
For >250 To 500, Deduct	-27.91	
For >500, Deduct	-39.47	
26 52 13 16-0012 EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH) .....	420.59	35.10
Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-12.92	
For >100 To 250, Deduct	-23.43	
For >250 To 500, Deduct	-42.06	
For >500, Deduct	-60.69	
26 52 13 16-0013 EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM) .....	441.71	35.10
Note: Includes two circular side mounted PAR 36 emergency lights.		
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-13.44	
For >100 To 250, Deduct	-24.49	
For >250 To 500, Deduct	-44.17	
For >500, Deduct	-63.86	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0014	EA		Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R).....	108.28	35.10
			<i>For &gt;50 To 100, Deduct</i>	-4.46	
			<i>For &gt;100 To 250, Deduct</i>	-7.17	
			<i>For &gt;250 To 500, Deduct</i>	-10.83	
			<i>For &gt;500, Deduct</i>	-14.49	
26 52 13 16-0015	EA		120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R) .....	108.77	35.10
			<i>For &gt;50 To 100, Deduct</i>	-4.47	
			<i>For &gt;100 To 250, Deduct</i>	-7.19	
			<i>For &gt;250 To 500, Deduct</i>	-10.88	
			<i>For &gt;500, Deduct</i>	-14.56	
26 52 13 16-0016	EA		Single Face, LED Exit Sign (Lithonia EXG LED M6).....	101.40	35.15
			<i>For &gt;50 To 100, Deduct</i>	-4.29	
			<i>For &gt;100 To 250, Deduct</i>	-6.83	
			<i>For &gt;250 To 500, Deduct</i>	-10.14	
			<i>For &gt;500, Deduct</i>	-13.45	
26 52 13 16-0017	EA		Single Face, LED Exit Sign Emergency Light Combo With 2 Lamp Heads (Lithonia ECC G) .....	131.81	35.15
			<i>For &gt;50 To 100, Deduct</i>	-5.05	
			<i>For &gt;100 To 250, Deduct</i>	-8.35	
			<i>For &gt;250 To 500, Deduct</i>	-13.18	
			<i>For &gt;500, Deduct</i>	-18.02	
<b>26 52 13 16-0018</b>			<b>Edge-Lit LED Exit Signs</b> <small>(26 52 13 16)</small>		
			Note: Includes red LED lamps.		
26 52 13 16-0019	EA		Single Face, Edge-Lit LED Exit Sign (Lithonia EDG-1- R-M6).....	245.03	35.10
			<i>For Green LED Lamps, Add</i>	40.00	
			<i>For &gt;50 To 100, Deduct</i>	-7.88	
			<i>For &gt;100 To 250, Deduct</i>	-14.01	
			<i>For &gt;250 To 500, Deduct</i>	-24.50	
			<i>For &gt;500, Deduct</i>	-35.00	
26 52 13 16-0020	EA		Double Face, Edge-Lit LED Exit Sign (Lithonia EDG-2-R-M6) .....	247.80	35.10
			<i>For Green LED Lamps, Add</i>	40.00	
			<i>For &gt;50 To 100, Deduct</i>	-7.95	
			<i>For &gt;100 To 250, Deduct</i>	-14.15	
			<i>For &gt;250 To 500, Deduct</i>	-24.78	
			<i>For &gt;500, Deduct</i>	-35.41	
26 52 13 16-0021	EA		Single Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-1-R-EL-M6) .....	266.58	35.10
			<i>For Green LED Lamps, Add</i>	40.00	
			<i>For Self-Diagnostics, Add</i>	50.00	
			<i>For &gt;50 To 100, Deduct</i>	-8.42	
			<i>For &gt;100 To 250, Deduct</i>	-15.08	
			<i>For &gt;250 To 500, Deduct</i>	-26.66	
			<i>For &gt;500, Deduct</i>	-38.23	
26 52 13 16-0022	EA		Double Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-2-R-EL-M6).....	322.70	35.10
			<i>For Green LED Lamps, Add</i>	40.00	
			<i>For Self-Diagnostics, Add</i>	50.00	
			<i>For &gt;50 To 100, Deduct</i>	-9.82	
			<i>For &gt;100 To 250, Deduct</i>	-17.89	
			<i>For &gt;250 To 500, Deduct</i>	-32.27	
			<i>For &gt;500, Deduct</i>	-46.65	
<b>26 52 13 16-0023</b>			<b>Self-Luminous Tritium Exit Signs</b> <small>(26 52 13 16)</small>		
			Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 52 13 16-0024	EA		10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-10-R) .....	545.96	35.10
			<i>For &gt;50 To 100, Deduct</i>	-15.40	
			<i>For &gt;100 To 250, Deduct</i>	-29.05	
			<i>For &gt;250 To 500, Deduct</i>	-54.60	
			<i>For &gt;500, Deduct</i>	-80.14	
26 52 13 16-0025	EA		10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-10-R).....	1,021.19	35.10
			<i>For &gt;50 To 100, Deduct</i>	-27.29	
			<i>For &gt;100 To 250, Deduct</i>	-52.81	
			<i>For &gt;250 To 500, Deduct</i>	-102.12	
			<i>For &gt;500, Deduct</i>	-151.42	
26 52 13 16-0026	EA		20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-20-R) .....	654.22	35.10
			<i>For &gt;50 To 100, Deduct</i>	-18.11	
			<i>For &gt;100 To 250, Deduct</i>	-34.47	
			<i>For &gt;250 To 500, Deduct</i>	-65.42	
			<i>For &gt;500, Deduct</i>	-96.38	
26 52 13 16-0027	EA		20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-20-R).....	1,108.11	35.10
			<i>For &gt;50 To 100, Deduct</i>	-29.46	
			<i>For &gt;100 To 250, Deduct</i>	-57.16	
			<i>For &gt;250 To 500, Deduct</i>	-110.81	
			<i>For &gt;500, Deduct</i>	-164.46	
26 52 13 16-0028	EA		10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-10-R) .....	599.83	35.10
			<i>For &gt;50 To 100, Deduct</i>	-16.75	
			<i>For &gt;100 To 250, Deduct</i>	-31.75	
			<i>For &gt;250 To 500, Deduct</i>	-59.98	
			<i>For &gt;500, Deduct</i>	-88.22	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Safety Lighting</b>	<b>26 52</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0029	EA		10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-10-R) .....	1,108.11	35.10
			<i>For &gt;50 To 100, Deduct</i>	-29.46	
			<i>For &gt;100 To 250, Deduct</i>	-57.16	
			<i>For &gt;250 To 500, Deduct</i>	-110.81	
			<i>For &gt;500, Deduct</i>	-164.46	
26 52 13 16-0030	EA		20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-20-R).....	740.62	35.10
			<i>For &gt;50 To 100, Deduct</i>	-20.27	
			<i>For &gt;100 To 250, Deduct</i>	-38.79	
			<i>For &gt;250 To 500, Deduct</i>	-74.06	
			<i>For &gt;500, Deduct</i>	-109.34	
26 52 13 16-0031	EA		20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-20-R) .....	1,380.54	35.10
			<i>For &gt;50 To 100, Deduct</i>	-36.27	
			<i>For &gt;100 To 250, Deduct</i>	-70.78	
			<i>For &gt;250 To 500, Deduct</i>	-138.05	
			<i>For &gt;500, Deduct</i>	-205.33	
<b>26 52 13 16-0032</b>			<b>Vandal-Resistant LED Exit Signs</b> (26 52 13 16)		
			Note: Includes red LED lamps.		
26 52 13 16-0033	EA		Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign (Lithonia LV-S-W-1-R-120/277) .....	513.93	35.10
			<i>For &gt;50 To 100, Deduct</i>	-14.60	
			<i>For &gt;100 To 250, Deduct</i>	-27.45	
			<i>For &gt;250 To 500, Deduct</i>	-51.39	
			<i>For &gt;500, Deduct</i>	-75.33	
26 52 13 16-0034	EA		Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-W-1-R-120/277-EL-N) .....	808.23	35.10
			<i>For &gt;50 To 100, Deduct</i>	-21.96	
			<i>For &gt;100 To 250, Deduct</i>	-42.17	
			<i>For &gt;250 To 500, Deduct</i>	-80.82	
			<i>For &gt;500, Deduct</i>	-119.48	
26 52 13 16-0035	EA		Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-1-R-120/277-EL-N-UM-4X) .....	988.66	35.10
			<i>For &gt;50 To 100, Deduct</i>	-26.47	
			<i>For &gt;100 To 250, Deduct</i>	-51.19	
			<i>For &gt;250 To 500, Deduct</i>	-98.87	
			<i>For &gt;500, Deduct</i>	-146.54	
<b>26 52 13 16-0036</b>			<b>Removal And Reinstallation Of Exit Light Fixture</b> (26 52 13 16)		
26 52 13 16-0037	EA		Removal And Reinstall Of Exit Light Fixtures .....	72.03	
			Note: Includes storage and cleaning.		
			<i>For &gt;50 To 100, Deduct</i>	-3.60	
			<i>For &gt;100 To 250, Deduct</i>	-5.40	
			<i>For &gt;250 To 500, Deduct</i>	-7.20	
			<i>For &gt;500, Deduct</i>	-9.00	
<b>26 52 13 16-0038</b>			<b>Exit Sign Accessories</b> (26 52 13 16)		
26 52 13 16-0039	EA		Polycarbonate Vandal Shield For Exit Signs (Radiant-Lite BG-1).....	120.87	9.63
			<i>For &gt;50 To 100, Deduct</i>	-3.50	
			<i>For &gt;100 To 250, Deduct</i>	-6.52	
			<i>For &gt;250 To 500, Deduct</i>	-12.09	
			<i>For &gt;500, Deduct</i>	-17.65	
26 52 13 16-0040	EA		Wire Guard For Exit Signs Or Emergency Lights (Best Lighting Products WG-1) .....	68.27	9.63
			<i>For &gt;50 To 100, Deduct</i>	-2.19	
			<i>For &gt;100 To 250, Deduct</i>	-3.89	
			<i>For &gt;250 To 500, Deduct</i>	-6.83	
			<i>For &gt;500, Deduct</i>	-9.76	
26 52 13 16-0041	EA		Wire Guard For Combination Exit Sign And Emergency Light (Best Lighting Products WG-3) .....	113.45	7.70
			<i>For &gt;50 To 100, Deduct</i>	-3.22	
			<i>For &gt;100 To 250, Deduct</i>	-6.06	
			<i>For &gt;250 To 500, Deduct</i>	-11.35	
			<i>For &gt;500, Deduct</i>	-16.63	
26 52 13 16-0042	EA		Removal And Replacement Of Battery For Exit Signs.....	119.50	
			Note: Battery: nickel cadmium, 1.2 volt, 1 Ah battery capacity		
			<i>For &gt;50 To 100, Deduct</i>	-3.59	
			<i>For &gt;100 To 250, Deduct</i>	-6.58	
			<i>For &gt;250 To 500, Deduct</i>	-11.95	
			<i>For &gt;500, Deduct</i>	-17.32	
<b>26 52 13 16-0043</b>			<b>LED Exit Signs (Lithonia)</b> (26 52 13 16)		
26 52 13 16-0044	EA		Exit Sign Emergency Light Combo - White Thermoplastic - Adjustable LED- Single Face - Red Letters - Battery Backup (Lithonia ECBR-LED-M6) .....	241.00	35.15
			<i>For &gt;50 To 100, Deduct</i>	-7.78	
			<i>For &gt;100 To 250, Deduct</i>	-13.81	
			<i>For &gt;250 To 500, Deduct</i>	-24.10	
			<i>For &gt;500, Deduct</i>	-34.39	
26 52 13 16-0045	EA		Exit Sign Emergency Light Combo - White Thermoplastic - Adjustable LED- Single Face - Green Letters - Battery Backup (Lithonia ECBG-LED-M6) .....	189.40	35.15
			<i>For &gt;50 To 100, Deduct</i>	-6.49	
			<i>For &gt;100 To 250, Deduct</i>	-11.23	
			<i>For &gt;250 To 500, Deduct</i>	-18.94	
			<i>For &gt;500, Deduct</i>	-26.65	

<b>26</b>	<b>26</b>	<b>Electrical</b>
	<b>26 50</b>	<b>Lighting</b>
	<b>26 52</b>	<b>Safety Lighting</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**26 54** Classified Location Lighting <sup>(26 50)</sup>

**26 54 19** LED Classified Location Lighting <sup>(26 54)</sup>

26 54 19 00-0001 Class I Division 2, Hazardous Location, LED Fixtures <sup>(26 54 19)</sup>

26 54 19 00-0002 Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) <sup>(26 54 19 00-0001)</sup>

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0003	EA	5,183 Lumens, 45 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L).....	3,772.84	78.95
		For Bolt-On Visor, Add	149.51	
		For Bolt-On Wire Guard, Add	307.52	
		For 480 Volt, Add	263.29	
		For Warm White Color Rendering, Add	111.79	
		For >50 To 100, Deduct	-97.61	
		For >100 To 250, Deduct	-191.93	
		For >250 To 500, Deduct	-377.28	
		For >500, Deduct	-562.64	
26 54 19 00-0004	EA	7,095 Lumens, 62 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L).....	4,642.87	84.22
		For Bolt-On Visor, Add	149.51	
		For Bolt-On Wire Guard, Add	307.52	
		For 480 Volt, Add	263.29	
		For Warm White Color Rendering, Add	111.79	
		For >50 To 100, Deduct	-119.58	
		For >100 To 250, Deduct	-235.65	
		For >250 To 500, Deduct	-464.29	
		For >500, Deduct	-692.92	
26 54 19 00-0005	EA	9,132 Lumens, 79 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L).....	5,254.57	89.49
		For Bolt-On Visor, Add	149.51	
		For Bolt-On Wire Guard, Add	307.52	
		For 480 Volt, Add	263.29	
		For Warm White Color Rendering, Add	111.79	
		For >50 To 100, Deduct	-135.09	
		For >100 To 250, Deduct	-266.46	
		For >250 To 500, Deduct	-525.46	
		For >500, Deduct	-784.46	
26 54 19 00-0006	EA	11,107 Lumens, 99 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L).....	5,883.47	94.75
		For Bolt-On Visor, Add	149.51	
		For Bolt-On Wire Guard, Add	307.52	
		For 480 Volt, Add	263.29	
		For Warm White Color Rendering, Add	111.79	
		For >50 To 100, Deduct	-151.03	
		For >100 To 250, Deduct	-298.12	
		For >250 To 500, Deduct	-588.35	
		For >500, Deduct	-878.57	

26 54 19 00-0007 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) <sup>(26 54 19 00-0001)</sup>

Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0008	EA	1,600 Lumens, 25 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC).....	2,183.78	73.70
		For 12/24 Volt DC Driver, Add	42.49	
		For Frosted Lens, Add	86.84	
		For Warm White Color Temperature LEDs, Add	111.79	
		For 55 Degree Ambient Suitability (AC Only) Option, Add	57.85	
		For Stanchion Mount, Add	358.23	
		For Ceiling Mount, Add	143.65	
		For Wall Mount, Add	209.69	
		For Teflon Coated Lens, Add	184.31	
		For Wall Mount With Junction Box, Add	306.17	
		For >50 To 100, Deduct	-57.67	
		For >100 To 250, Deduct	-112.26	
		For >250 To 500, Deduct	-218.38	
		For >500, Deduct	-324.50	

26 54 19 00-0009 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) <sup>(26 54 19 00-0001)</sup>

Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Classified Location Lighting</b>	<b>26 54</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0010 EA 3,240 Lumens, 47 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L) .....	3,546.02	73.70
For Ceiling Mount, Add	27.49	
For Quick Clip Mounting Option, Add	40.38	
For Frosted Lens, Add	86.84	
For Warm White Color Rendering, Add	111.79	
For Polycarbonate Lens, Add	160.95	
For 480 Volt, Add	263.29	
For >50 To 100, Deduct	-91.72	
For >100 To 250, Deduct	-180.37	
For >250 To 500, Deduct	-354.60	
For >500, Deduct	-528.83	
26 54 19 00-0011 EA 3,778 Lumens, 63 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L) .....	3,933.13	78.95
For Ceiling Mount, Add	27.49	
For Quick Clip Mounting Option, Add	40.38	
For Frosted Lens, Add	86.84	
For Warm White Color Rendering, Add	111.79	
For Polycarbonate Lens, Add	160.95	
For 480 Volt, Add	263.29	
For >50 To 100, Deduct	-101.62	
For >100 To 250, Deduct	-199.95	
For >250 To 500, Deduct	-393.31	
For >500, Deduct	-586.68	
26 54 19 00-0012 EA 6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L) .....	4,415.18	84.22
For Ceiling Mount, Add	27.49	
For Quick Clip Mounting Option, Add	40.38	
For Frosted Lens, Add	86.84	
For Warm White Color Rendering, Add	111.79	
For Polycarbonate Lens, Add	160.95	
For 480 Volt, Add	263.29	
For >50 To 100, Deduct	-113.89	
For >100 To 250, Deduct	-224.27	
For >250 To 500, Deduct	-441.52	
For >500, Deduct	-658.77	
26 54 19 00-0013 EA 6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L) .....	5,787.69	89.49
For Ceiling Mount, Add	27.49	
For Quick Clip Mounting Option, Add	40.38	
For Frosted Lens, Add	86.84	
For Warm White Color Rendering, Add	111.79	
For Polycarbonate Lens, Add	160.95	
For 480 Volt, Add	263.29	
For >50 To 100, Deduct	-148.42	
For >100 To 250, Deduct	-293.11	
For >250 To 500, Deduct	-578.77	
For >500, Deduct	-864.43	
26 54 19 00-0014 EA 9,720 Lumens, 137 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L) .....	6,654.55	94.75
For Ceiling Mount, Add	27.49	
For Quick Clip Mounting Option, Add	40.38	
For Frosted Lens, Add	86.84	
For Warm White Color Rendering, Add	111.79	
For Polycarbonate Lens, Add	160.95	
For 480 Volt, Add	263.29	
For >50 To 100, Deduct	-170.31	
For >100 To 250, Deduct	-336.68	
For >250 To 500, Deduct	-665.46	
For >500, Deduct	-994.23	
26 54 19 00-0015 Class I Division 1, Explosion Proof, LED Fixtures <small>(26 54 19)</small>		
26 54 19 00-0016 Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) <small>(26 54 19 00-0015)</small>		
Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0017 EA 5,625 Lumens, 80 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L).....	5,073.45	78.95
For Wall Mount, Deduct	-19.76	
For Warm Color Temperature LEDs, Add	106.47	
For Stainless Steel Guard, Add	191.10	
For Ceiling Mount, Add	230.53	
For Stanchion Mount, Add	268.30	
For Yoke Mount, Add	670.76	
For >50 To 100, Deduct	-130.13	
For >100 To 250, Deduct	-256.96	
For >250 To 500, Deduct	-507.35	
For >500, Deduct	-757.73	

**26 Electrical**  
**26 50 Lighting**  
 26 54 Classified Location Lighting



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 54 19 00-0018	EA	6,750 Lumens, 100 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L).....	6,184.27	84.22
		<i>For Wall Mount, Deduct</i>	-19.76	
		<i>For Warm Color Temperature LEDs, Add</i>	106.47	
		<i>For Stainless Steel Guard, Add</i>	191.10	
		<i>For Ceiling Mount, Add</i>	230.53	
		<i>For Stanchion Mount, Add</i>	268.30	
		<i>For Yoke Mount, Add</i>	670.76	
		<i>For &gt;50 To 100, Deduct</i>	-158.12	
		<i>For &gt;100 To 250, Deduct</i>	-312.72	
		<i>For &gt;250 To 500, Deduct</i>	-618.43	
		<i>For &gt;500, Deduct</i>	-924.13	
26 54 19 00-0019	EA	9,000 Lumens, 130 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L).....	7,195.03	89.49
		<i>For Wall Mount, Deduct</i>	-19.76	
		<i>For Warm Color Temperature LEDs, Add</i>	106.47	
		<i>For Stainless Steel Guard, Add</i>	191.10	
		<i>For Ceiling Mount, Add</i>	230.53	
		<i>For Stanchion Mount, Add</i>	268.30	
		<i>For Yoke Mount, Add</i>	670.76	
		<i>For &gt;50 To 100, Deduct</i>	-183.60	
		<i>For &gt;100 To 250, Deduct</i>	-363.48	
		<i>For &gt;250 To 500, Deduct</i>	-719.50	
		<i>For &gt;500, Deduct</i>	-1,075.53	
26 54 19 00-0020	EA	10,500 Lumens, 151 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L).....	8,224.49	94.75
		<i>For Wall Mount, Deduct</i>	-19.76	
		<i>For Warm Color Temperature LEDs, Add</i>	106.47	
		<i>For Stainless Steel Guard, Add</i>	191.10	
		<i>For Ceiling Mount, Add</i>	230.53	
		<i>For Stanchion Mount, Add</i>	268.30	
		<i>For Yoke Mount, Add</i>	670.76	
		<i>For &gt;50 To 100, Deduct</i>	-209.56	
		<i>For &gt;100 To 250, Deduct</i>	-415.17	
		<i>For &gt;250 To 500, Deduct</i>	-822.45	
		<i>For &gt;500, Deduct</i>	-1,229.73	
26 54 19 00-0021	EA	13,500 Lumens, 175 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L).....	9,542.41	91.24
		<i>For Wall Mount, Deduct</i>	-19.76	
		<i>For Warm Color Temperature LEDs, Add</i>	106.47	
		<i>For Stainless Steel Guard, Add</i>	191.10	
		<i>For Ceiling Mount, Add</i>	230.53	
		<i>For Stanchion Mount, Add</i>	268.30	
		<i>For Yoke Mount, Add</i>	670.76	
		<i>For &gt;50 To 100, Deduct</i>	-242.73	
		<i>For &gt;100 To 250, Deduct</i>	-481.29	
		<i>For &gt;250 To 500, Deduct</i>	-954.24	
		<i>For &gt;500, Deduct</i>	-1,427.19	

**26 55 Special Purpose Lighting** (26 50)

**26 55 13 Landscape Lighting** (26 55)

26 55 13 00-0001 **Bollards** (26 55 13)

Note: Excludes concrete base.

26 55 13 00-0002 **Aluminum Architectural Bollards** (26 55 13 00-0001)

26 55 13 00-0003 **High Pressure Sodium, Aluminum Architectural Bollards** (26 55 13 00-0002)

26 55 13 00-0004 **Square, High Pressure Sodium, Aluminum Architectural Bollards** (26 55 13 00-0003)

26 55 13 00-0005	EA	24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,490.46	81.64
26 55 13 00-0006	EA	30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,500.06	86.44
26 55 13 00-0007	EA	36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,509.67	91.23
26 55 13 00-0008	EA	42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,391.12	96.04
26 55 13 00-0009	EA	24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,490.46	81.64
26 55 13 00-0010	EA	30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,500.06	86.44
26 55 13 00-0011	EA	36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,509.67	91.23
26 55 13 00-0012	EA	42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,391.12	96.04
26 55 13 00-0013	EA	24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,490.46	81.64
26 55 13 00-0014	EA	30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,500.06	86.44
26 55 13 00-0015	EA	36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,509.67	91.23
26 55 13 00-0016	EA	42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,391.12	96.04
26 55 13 00-0017	EA	24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,490.46	81.64
26 55 13 00-0018	EA	30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,500.06	86.44
26 55 13 00-0019	EA	36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,509.67	91.23
26 55 13 00-0020	EA	42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,391.12	96.04

26 55 13 00-0021 **Round, High Pressure Sodium, Aluminum Architectural Bollards** (26 55 13 00-0003)

26 55 13 00-0022	EA	24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,431.60	81.64
26 55 13 00-0023	EA	30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,441.20	86.44
26 55 13 00-0024	EA	36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,450.81	91.23
26 55 13 00-0025	EA	42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,331.73	96.04
26 55 13 00-0026	EA	24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,431.60	81.64





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0027 EA 30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,441.20	86.44
26 55 13 00-0028 EA 36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,450.81	91.23
26 55 13 00-0029 EA 42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,331.73	96.04
26 55 13 00-0030 EA 24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,431.60	81.64
26 55 13 00-0031 EA 30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,441.20	86.44
26 55 13 00-0032 EA 36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,450.81	91.23
26 55 13 00-0033 EA 42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,331.73	96.04
26 55 13 00-0034 EA 24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,431.60	81.64
26 55 13 00-0035 EA 30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,441.20	86.44
26 55 13 00-0036 EA 36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,450.81	91.23
26 55 13 00-0037 EA 42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,331.73	96.04
<b>26 55 13 00-0038 Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0002)</b>		
<b>26 55 13 00-0039 Square, Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0038)</b>		
26 55 13 00-0040 EA 24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard .....	1,566.87	81.64
26 55 13 00-0041 EA 30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard .....	1,576.47	86.44
26 55 13 00-0042 EA 36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard .....	1,586.08	91.23
26 55 13 00-0043 EA 42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard .....	1,466.99	96.04
26 55 13 00-0044 EA 24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard .....	1,566.87	81.64
26 55 13 00-0045 EA 30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard .....	1,576.47	86.44
26 55 13 00-0046 EA 36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard .....	1,586.08	91.23
26 55 13 00-0047 EA 42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard .....	1,466.99	96.04
26 55 13 00-0048 EA 24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard .....	1,566.87	81.64
26 55 13 00-0049 EA 30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard .....	1,576.47	86.44
26 55 13 00-0050 EA 36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard .....	1,586.08	91.23
26 55 13 00-0051 EA 42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard .....	1,530.94	96.04
<b>26 55 13 00-0052 Round, Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0038)</b>		
26 55 13 00-0053 EA 24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard .....	1,507.48	81.64
26 55 13 00-0054 EA 30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard .....	1,517.08	86.44
26 55 13 00-0055 EA 36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard .....	1,526.69	91.23
26 55 13 00-0056 EA 42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard .....	1,407.60	96.04
26 55 13 00-0057 EA 24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard .....	1,507.48	81.64
26 55 13 00-0058 EA 30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard .....	1,517.08	86.44
26 55 13 00-0059 EA 36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard .....	1,526.69	91.23
26 55 13 00-0060 EA 42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard .....	1,407.60	96.04
26 55 13 00-0061 EA 24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard .....	1,507.48	81.64
26 55 13 00-0062 EA 30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard .....	1,517.08	86.44
26 55 13 00-0063 EA 36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard .....	1,526.69	91.23
26 55 13 00-0064 EA 42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard .....	1,407.60	96.04
<b>26 55 13 00-0065 Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0002)</b>		
<b>26 55 13 00-0066 Square, Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0065)</b>		
26 55 13 00-0067 EA 24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,483.75	81.64
26 55 13 00-0068 EA 30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,493.35	86.44
26 55 13 00-0069 EA 36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,502.96	91.23
26 55 13 00-0070 EA 42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,385.62	96.04
26 55 13 00-0071 EA 24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,483.75	81.64
26 55 13 00-0072 EA 30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,493.35	86.44
26 55 13 00-0073 EA 36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,502.96	91.23
26 55 13 00-0074 EA 42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,385.62	96.04
26 55 13 00-0075 EA 24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,483.75	81.64
26 55 13 00-0076 EA 30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,493.35	86.44
26 55 13 00-0077 EA 36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,502.96	91.23
26 55 13 00-0078 EA 42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,385.62	96.04
<b>26 55 13 00-0079 Round, Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0065)</b>		
26 55 13 00-0080 EA 24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,425.66	81.64
26 55 13 00-0081 EA 30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,435.26	86.44
26 55 13 00-0082 EA 36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,444.87	91.23
26 55 13 00-0083 EA 42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,328.64	96.04
26 55 13 00-0084 EA 24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,425.66	81.64
26 55 13 00-0085 EA 30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,435.26	86.44
26 55 13 00-0086 EA 36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,444.87	91.23
26 55 13 00-0087 EA 42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,328.64	96.04
26 55 13 00-0088 EA 24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,425.66	81.64
26 55 13 00-0089 EA 30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,435.26	86.44
26 55 13 00-0090 EA 36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,444.87	91.23
26 55 13 00-0091 EA 42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	1,328.64	96.04
<b>26 55 13 00-0092 LED, Aluminum Architectural Bollards (26 55 13 00-0002)</b>		
<b>26 55 13 00-0093 Square, LED, Aluminum Architectural Bollards (26 55 13 00-0092)</b>		
26 55 13 00-0094 EA 24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard .....	1,785.39	81.64

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0095	EA		30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard.....	1,794.99	86.44
26 55 13 00-0096	EA		36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard.....	1,804.60	91.23
26 55 13 00-0097	EA		42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard.....	1,688.86	96.04
26 55 13 00-0098	EA		24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard.....	2,189.80	81.64
26 55 13 00-0099	EA		30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard.....	2,199.40	86.44
26 55 13 00-0100	EA		36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard.....	2,209.01	91.23
26 55 13 00-0101	EA		42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard.....	2,091.26	96.04
<b>26 55 13 00-0102</b>			<b>Round, LED, Aluminum Architectural Bollards</b> <small>(26 55 13 00-0092)</small>		
26 55 13 00-0103	EA		24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,725.06	81.64
26 55 13 00-0104	EA		30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,734.66	86.44
26 55 13 00-0105	EA		36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,744.27	91.23
26 55 13 00-0106	EA		42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,626.52	96.04
26 55 13 00-0107	EA		24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	2,129.47	81.64
26 55 13 00-0108	EA		30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	2,139.07	86.44
26 55 13 00-0109	EA		36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	2,148.68	91.23
26 55 13 00-0110	EA		42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	2,031.65	96.04
<b>26 55 13 00-0111</b>			<b>Reinforced Concrete Bollards</b> <small>(26 55 13 00-0001)</small>		
26 55 13 00-0112	EA		48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard.....	1,390.73	240.10
26 55 13 00-0113	EA		58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard.....	2,497.93	320.10
<b>26 55 13 00-0114</b>			<b>Low Voltage</b> <small>(26 55 13)</small>		
26 55 13 00-0115	EA		Low Voltage Recessed Uplight.....	616.70	174.80
26 55 13 00-0116	EA		Low Voltage Walkway.....	432.92	96.04
26 55 13 00-0117	EA		Low Voltage Malibu - 5 Light Set.....	431.59	128.22
26 55 13 00-0118	EA		Low Voltage Mushroom 24" Pier.....	371.62	96.04
<b>26 55 13 00-0119</b>			<b>Recessed, Adjustable</b> <small>(26 55 13)</small>		
26 55 13 00-0120	EA		150 Watt Incandescent Recessed, Adjustable.....	714.53	153.67
26 55 13 00-0121	EA		300 Watt Incandescent Recessed, Adjustable.....	780.21	153.67
<b>26 55 13 00-0122</b>			<b>Recessed, Uplight</b> <small>(26 55 13)</small>		
26 55 13 00-0123	EA		50 Watt Incandescent Recessed Uplight.....	640.09	153.67
26 55 13 00-0124	EA		150 Watt Incandescent Recessed Uplight.....	653.23	153.67
26 55 13 00-0125	EA		300 Watt Incandescent Recessed Uplight.....	692.63	153.67
26 55 13 00-0126	EA		500 Watt Quartz Recessed Uplight.....	688.25	153.67
26 55 13 00-0127	EA		5 Watt, LED Recessed Uplight.....	1,045.55	153.67
26 55 13 00-0128	EA		15 Watt, LED Recessed Uplight.....	1,158.22	153.67
<b>26 55 13 00-0129</b>			<b>Recessed Wall Light</b> <small>(26 55 13)</small>		
26 55 13 00-0130	EA		100 Watt Incandescent Recessed Wall Light.....	332.21	96.04
26 55 13 00-0131	EA		100 Watt Fluorescent Recessed Wall Light.....	319.07	96.04
26 55 13 00-0132	EA		100 Watt High Intensity Discharge (HID) Recessed Wall Light.....	514.78	128.22
<b>26 55 13 00-0133</b>			<b>Step Lights</b> <small>(26 55 13)</small>		
26 55 13 00-0134	EA		Incandescent Step Light.....	271.84	76.83
26 55 13 00-0135	EA		Fluorescent Step Light.....	315.68	76.83
26 55 13 00-0136	EA		5 Watt, LED Step Light.....	578.05	76.83
26 55 13 00-0137	EA		15 Watt, LED Step Light.....	698.23	76.83
<b>26 55 13 00-0138</b>			<b>Tree Lights, Surface Adjustable</b> <small>(26 55 13)</small>		
26 55 13 00-0139	EA		50 Watt Incandescent Tree Lights.....	571.70	128.22
26 55 13 00-0140	EA		100 Watt Incandescent Tree Lights.....	584.84	128.22
26 55 13 00-0141	EA		150 Watt Incandescent Tree Lights.....	734.45	192.09
<b>26 55 16</b>			<b>Walkway Lighting</b> <small>(26 55)</small>		
<b>26 55 16 00-0001</b>			<b>Incandescent Walkway</b> <small>(26 55 16)</small>		
26 55 16 00-0002	EA		Post Top 300 Watt Incandescent Walkway Fixture.....	351.34	89.32
<b>26 55 16 00-0003</b>			<b>Metal Halide Walkway</b> <small>(26 55 16)</small>		
26 55 16 00-0004	EA		Post Top 100 Watt Metal Halide Walkway Fixture.....	539.79	140.41
26 55 16 00-0005	EA		Post Top 150-175 Watt Metal Halide Walkway Fixture.....	572.53	145.51
26 55 16 00-0006	EA		Post Top 250 Watt Metal Halide Walkway Fixture.....	619.06	151.07
26 55 16 00-0007	EA		Post Top 400 Watt Metal Halide Walkway Fixture.....	662.50	163.27
26 55 16 00-0008	EA		Round Luminaries 100 Watt Metal Halide Walkway Fixture.....	588.87	151.07
26 55 16 00-0009	EA		Round Luminaries 150-175 Watt Metal Halide Walkway Fixture.....	597.87	140.41
26 55 16 00-0010	EA		Round Luminaries 250 Watt Metal Halide Walkway Fixture.....	608.78	145.51



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Special Purpose Lighting</b>	<b>26 55</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 16 00-0011 EA Spherical 100 Watt Metal Halide Walkway Fixture .....	486.95	100.08
26 55 16 00-0012 EA Spherical 150-175 Watt Metal Halide Walkway Fixture .....	517.15	100.08
26 55 16 00-0013 EA Spherical 250 Watt Metal Halide Walkway Fixture .....	547.35	100.08
26 55 16 00-0014 EA Spherical 400 Watt Metal Halide Walkway Fixture .....	618.00	112.65
26 55 16 00-0015 EA Low Walkway 100 Watt Metal Halide Walkway Fixture .....	466.71	89.89
<b>26 55 16 00-0016 High Pressure Sodium Walkway (26 55 16)</b>		
26 55 16 00-0017 EA Post Top 100 Watt High Pressure Sodium Walkway Fixture .....	483.14	140.41
26 55 16 00-0018 EA Post Top 150-175 Watt High Pressure Sodium Walkway Fixture .....	510.95	145.51
26 55 16 00-0019 EA Post Top 250 Watt High Pressure Sodium Walkway Fixture .....	549.71	151.07
26 55 16 00-0020 EA Post Top 400 Watt High Pressure Sodium Walkway Fixture .....	589.04	163.27
26 55 16 00-0021 EA Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture .....	526.12	151.07
26 55 16 00-0022 EA Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture .....	528.52	140.41
26 55 16 00-0023 EA Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture .....	539.27	145.51
26 55 16 00-0024 EA Spherical 100 Watt High Pressure Sodium Walkway Fixture .....	424.20	100.08
26 55 16 00-0025 EA Spherical 175 150-Watt High Pressure Sodium Walkway Fixture .....	447.79	100.08
26 55 16 00-0026 EA Spherical 250 Watt High Pressure Sodium Walkway Fixture .....	471.38	100.08
26 55 16 00-0027 EA Spherical 400 Watt High Pressure Sodium Walkway Fixture .....	532.13	112.65
26 55 16 00-0028 EA Low Walkway 100 Watt High Pressure Sodium Walkway Fixture.....	385.06	89.89
<b>26 55 16 00-0029 Walkway, Adjustable (26 55 16)</b>		
26 55 16 00-0030 EA 2' Fluorescent Adjustable Walkway Fixture .....	509.71	128.22
26 55 16 00-0031 EA 4' Fluorescent Adjustable Walkway Fixture .....	524.61	128.22
26 55 16 00-0032 EA 8' Fluorescent Adjustable Walkway Fixture .....	910.56	192.09
26 55 16 00-0033 EA 50 Watt Incandescent Adjustable Walkway Fixture .....	430.46	96.04
26 55 16 00-0034 EA 150 Watt Incandescent Adjustable Walkway Fixture .....	450.32	96.04
<b>26 55 16 00-0035 LED Walkway (26 55 16)</b>		
<b>26 55 16 00-0036 LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) (26 55 16 00-0035)</b>		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 16 00-0037 EA 13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) .....	752.05	73.70
For Multi-Level Drive Currents, Add	199.30	
26 55 16 00-0038 EA 18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) .....	776.25	73.70
For Multi-Level Drive Currents, Add	199.30	
26 55 16 00-0039 EA 36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) .....	818.96	73.70
For Multi-Level Drive Currents, Add	199.30	
26 55 16 00-0040 EA 42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) .....	851.70	73.70
For Multi-Level Drive Currents, Add	199.30	
26 55 16 00-0041 EA 96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) .....	979.33	94.75
For Multi-Level Drive Currents, Add	199.30	
<b>26 55 16 00-0042 Wall Mounted Walkway Lighting (26 55 16 00-0035)</b>		
26 55 16 00-0043 EA Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492) .....	4,243.92	
Note: Type Fixture 17 as Post		
<b>26 55 16 00-0044 Pole Mounted Walkway Lighting (26 55 16 00-0035)</b>		
26 55 16 00-0045 EA 43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27) .....	3,915.87	
26 55 16 00-0046 EA 12" Tapered and Fluted Post (Herwig BRA Series, BRAJ-12) .....	3,843.51	
Note: Washers and nuts included		
<b>26 55 29 Underwater Lighting (26 55)</b>		
<b>26 55 29 00-0001 Underwater Lights (26 55 29)</b>		
26 55 29 00-0002 EA 150 Watt, 120 Volt Underwater Lights .....	464.90	63.87
26 55 29 00-0003 EA 300 Watt, 120 Volt Underwater Lights .....	517.44	63.87
26 55 29 00-0004 EA 1,000 Watt, 120 Volt Underwater Lights .....	1,264.87	96.04
26 55 29 00-0005 EA 50 Watt, 12 Volt Underwater Lights .....	486.79	63.87
26 55 29 00-0006 EA 300 Watt, 12 Volt Underwater Lights .....	548.09	63.87
26 55 29 00-0007 SET Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent .....	1,404.40	144.06
<b>26 55 53 Security Lighting (26 55)</b>		
<b>26 55 53 11 Security Flood Lighting (26 55 53)</b>		
26 55 53 11-0001 General Electric Powerflood® Flood Lights (26 55 53 11)		
26 55 53 11-0002 MPF (Small Size) Series GE Flood Lights (26 55 53 11-0001)		
Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
<b>26 55 53 11-0003 High Pressure Sodium MPF Series GE Flood Lights (26 55 53 11-0002)</b>		
26 55 53 11-0004 EA 70 Watt High Pressure Sodium MPF Series GE Flood Light .....	336.04	84.63
26 55 53 11-0005 EA 100 Watt High Pressure Sodium MPF Series GE Flood Light .....	339.38	84.63

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0006 EA 150 Watt High Pressure Sodium MPF Series GE Flood Light .....	344.94	84.63
<b>26 55 53 11-0007 Metal Halide MPF Series GE Flood Lights</b> <small>(26 55 53 11-0002)</small>		
26 55 53 11-0008 EA 70 Watt Metal Halide MPF Series GE Flood Light .....	468.34	84.63
<b>26 55 53 11-0009 P-154 (Small Size) Series GE Flood Lights</b> <small>(26 55 53 11-0001)</small>		
Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
<b>26 55 53 11-0010 High Pressure Sodium P-154 Series GE Flood Lights</b> <small>(26 55 53 11-0009)</small>		
26 55 53 11-0011 EA 70 Watt High Pressure Sodium P-154 Series GE Flood Light .....	704.86	112.85
26 55 53 11-0012 EA 100 Watt High Pressure Sodium P-154 Series GE Flood Light .....	709.31	112.85
26 55 53 11-0013 EA 150 Watt High Pressure Sodium P-154 Series GE Flood Light .....	717.09	112.85
26 55 53 11-0014 EA 250 Watt High Pressure Sodium P-154 Series GE Flood Light .....	804.92	112.85
26 55 53 11-0015 EA 400 Watt High Pressure Sodium P-154 Series GE Flood Light .....	830.49	112.85
<b>26 55 53 11-0016 Metal Halide P-154 Series GE Flood Lights</b> <small>(26 55 53 11-0009)</small>		
26 55 53 11-0017 EA 175 Watt Metal Halide P-154 Series GE Flood Light .....	697.08	112.85
26 55 53 11-0018 EA 250 Watt Metal Halide P-154 Series GE Flood Light .....	735.99	112.85
26 55 53 11-0019 EA 400 Watt Metal Halide P-154 Series GE Flood Light .....	756.00	112.85
<b>26 55 53 11-0020 PF-154 (Medium Size) Series GE Flood Lights</b> <small>(26 55 53 11-0001)</small>		
Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
<b>26 55 53 11-0021 High Pressure Sodium PF-154 Series GE Flood Lights</b> <small>(26 55 53 11-0020)</small>		
26 55 53 11-0022 EA 70 Watt High Pressure Sodium PF-154 Series GE Flood Light .....	714.17	126.96
26 55 53 11-0023 EA 100 Watt High Pressure Sodium PF-154 Series GE Flood Light .....	719.73	126.96
26 55 53 11-0024 EA 150 Watt High Pressure Sodium PF-154 Series GE Flood Light .....	728.63	126.96
26 55 53 11-0025 EA 250 Watt High Pressure Sodium PF-154 Series GE Flood Light .....	815.34	126.96
26 55 53 11-0026 EA 400 Watt High Pressure Sodium PF-154 Series GE Flood Light .....	839.80	126.96
<b>26 55 53 11-0027 Metal Halide PF-154 GE Flood Lights</b> <small>(26 55 53 11-0020)</small>		
26 55 53 11-0028 EA 175 Watt Metal Halide PF-154 Series GE Flood Light .....	707.50	126.96
26 55 53 11-0029 EA 250 Watt Metal Halide PF-154 Series GE Flood Light .....	745.30	126.96
26 55 53 11-0030 EA 400 Watt Metal Halide PF-154 Series GE Flood Light .....	765.31	126.96
<b>26 55 53 11-0031 PF-400 (Medium Size) Series GE Flood Lights</b> <small>(26 55 53 11-0001)</small>		
Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
<b>26 55 53 11-0032 High Pressure Sodium PF-400 Series GE Flood Lights</b> <small>(26 55 53 11-0031)</small>		
26 55 53 11-0033 EA 150 Watt High Pressure Sodium PF-400 Series GE Flood Light .....	976.55	126.96
26 55 53 11-0034 EA 200 Watt High Pressure Sodium PF-400 Series GE Flood Light .....	1,054.37	126.96
26 55 53 11-0035 EA 250 Watt High Pressure Sodium PF-400 Series GE Flood Light .....	1,048.81	126.96
26 55 53 11-0036 EA 400 Watt High Pressure Sodium PF-400 Series GE Flood Light .....	1,076.61	126.96
<b>26 55 53 11-0037 Metal Halide PF-400 GE Flood Lights</b> <small>(26 55 53 11-0031)</small>		
26 55 53 11-0038 EA 175 Watt Metal Halide PF-400 Series GE Flood Light .....	1,005.45	126.96
26 55 53 11-0039 EA 250 Watt Metal Halide PF-400 Series GE Flood Light .....	1,028.80	126.96
26 55 53 11-0040 EA 400 Watt Metal Halide PF-400 Series GE Flood Light .....	1,053.26	126.96
<b>26 55 53 11-0041 PF-1000 (Large Size) Series GE Flood Lights</b> <small>(26 55 53 11-0001)</small>		
Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
<b>26 55 53 11-0042 High Pressure Sodium PF-154 Series GE Flood Lights</b> <small>(26 55 53 11-0041)</small>		
26 55 53 11-0043 EA 750 Watt High Pressure Sodium PF-1000 Series GE Flood Light .....	1,337.18	141.06
26 55 53 11-0044 EA 1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light .....	1,337.18	141.06
<b>26 55 53 11-0045 Metal Halide PF-1000 Series GE Flood Lights</b> <small>(26 55 53 11-0041)</small>		
26 55 53 11-0046 EA 1,000 Watt Metal Halide PF-1000 Series GE Flood Light .....	1,272.70	141.06
<b>26 55 53 11-0047 HLU/VLU (Medium Size) FRP Series GE Flood Lights</b> <small>(26 55 53 11-0001)</small>		
Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Special Purpose Lighting</b>	<b>26 55</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 55 53 11-0048</b> High Pressure Sodium HLU/VLU FRP Series GE Flood Lights <small>(26 55 53 11-0047)</small>		
26 55 53 11-0049 EA 250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light .....	1,083.28	126.96
26 55 53 11-0050 EA 400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light .....	1,104.40	126.96
<b>26 55 53 11-0051</b> Metal Halide HLU/VLU Series GE Flood Lights <small>(26 55 53 11-0047)</small>		
26 55 53 11-0052 EA 400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light .....	1,095.50	126.96
<b>26 55 53 11-0053</b> Accessories For Powerflood GE Flood Lights <small>(26 55 53 11-0001)</small>		
26 55 53 11-0054 EA Wireguard For Powerflood GE Flood Light .....	184.28	28.21
26 55 53 11-0055 EA Polycarbonate Vandal Shield For Powerflood GE Flood Light .....	102.01	28.21
26 55 53 11-0056 EA Top Visor For Powerflood Flood Light .....	153.15	28.21
26 55 53 11-0057 EA Top And Two Side Visors For Powerflood GE Flood Light .....	114.24	28.21
26 55 53 11-0058 EA Pipe Wall Mounting Bracket For Powerflood GE Flood Light .....	282.68	84.63
26 55 53 11-0059 EA Multiple Mounting Channel For Powerflood GE Flood Light .....	126.47	28.21
26 55 53 11-0060 EA Wall Or Flat Surface Bracket For Powerflood GE Flood Light .....	199.30	84.63
26 55 53 11-0061 EA Steel Angle Bracket For Powerflood GE Flood Light .....	209.30	84.63
26 55 53 11-0062 EA Cross Arm Adaptor For Powerflood GE Flood Light .....	92.01	28.21
26 55 53 11-0063 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light .....	88.67	28.21
<b>26 55 53 11-0064</b> Lithonia Contour Series Flood Lights <small>(26 55 53 11)</small>		
<b>26 55 53 11-0065</b> TFM (Small Size) Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
<b>26 55 53 11-0066</b> High Pressure Sodium TFM Series Lithonia Flood Lights <small>(26 55 53 11-0065)</small>		
26 55 53 11-0067 EA 70 Watt High Pressure Sodium TFM Series Lithonia Flood Light .....	645.67	112.85
26 55 53 11-0068 EA 100 Watt High Pressure Sodium TFM Series Lithonia Flood Light .....	709.87	112.85
26 55 53 11-0069 EA 150 Watt High Pressure Sodium TFM Series Lithonia Flood Light .....	772.73	112.85
<b>26 55 53 11-0070</b> Metal Halide TFM Series Lithonia Flood Lights <small>(26 55 53 11-0065)</small>		
26 55 53 11-0071 EA 50 Watt Metal Halide TFM Series Lithonia Flood Light .....	851.17	112.85
26 55 53 11-0072 EA 70 Watt Metal Halide TFM Series Lithonia Flood Light .....	835.72	112.85
26 55 53 11-0073 EA 100 Watt Metal Halide TFM Series Lithonia Flood Light .....	810.81	112.85
26 55 53 11-0074 EA 175 Watt Metal Halide TFM Series Lithonia Flood Light .....	808.97	112.85
<b>26 55 53 11-0075</b> Compact Fluorescent TFM Series Lithonia Flood Lights <small>(26 55 53 11-0065)</small>		
26 55 53 11-0076 EA 42 Watt Compact Fluorescent TFM Series Lithonia Flood Light .....	844.77	112.85
<b>26 55 53 11-0077</b> TFL (Medium Size) Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small> Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
<b>26 55 53 11-0078</b> High Pressure Sodium TFL Series Lithonia Flood Lights <small>(26 55 53 11-0077)</small>		
26 55 53 11-0079 EA 250 Watt High Pressure Sodium TFL Series Lithonia Flood Light .....	1,008.39	126.96
26 55 53 11-0080 EA 400 Watt High Pressure Sodium TFL Series Lithonia Flood Light .....	1,029.80	126.96
<b>26 55 53 11-0081</b> Metal Halide TFL Series Lithonia Flood Lights <small>(26 55 53 11-0077)</small>		
26 55 53 11-0082 EA 175 Watt Metal Halide TFL Series Lithonia Flood Light .....	960.27	126.96
26 55 53 11-0083 EA 250 Watt Metal Halide TFL Series Lithonia Flood Light .....	960.27	126.96
26 55 53 11-0084 EA 400 Watt Metal Halide TFL Series Lithonia Flood Light .....	993.85	126.96
<b>26 55 53 11-0085</b> TFR (Low Profile) Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small> Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
<b>26 55 53 11-0086</b> High Pressure Sodium TFR Lithonia Flood Lights <small>(26 55 53 11-0085)</small>		
26 55 53 11-0087 EA 150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light .....	969.51	112.85
26 55 53 11-0088 EA 250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light .....	1,001.55	112.85
26 55 53 11-0089 EA 400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light .....	1,028.32	112.85
<b>26 55 53 11-0090</b> Metal Halide TFR Lithonia Flood Lights <small>(26 55 53 11-0085)</small>		
26 55 53 11-0091 EA 250 Watt Metal Halide TFR Series Lithonia Flood Light .....	958.79	112.85
26 55 53 11-0092 EA 400 Watt Metal Halide TFR Series Lithonia Flood Light .....	990.87	112.85



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 55 53 11-0093		<b>TFA (Large Size) Series Lithonia Flood Lights</b> <small>(26 55 53 11-0064)</small>		
		Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0094		<b>High Pressure Sodium TFA Series Lithonia Flood Lights</b> <small>(26 55 53 11-0093)</small>		
26 55 53 11-0095	EA	1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light.....	1,913.91	141.06
26 55 53 11-0096		<b>Metal Halide TFA Series Lithonia Flood Lights</b> <small>(26 55 53 11-0093)</small>		
26 55 53 11-0097	EA	400 Watt Metal Halide TFA Series Lithonia Flood Light.....	1,459.14	141.06
26 55 53 11-0098	EA	1,000 Watt Metal Halide TFA Series Lithonia Flood Light.....	1,619.63	141.06
26 55 53 11-0099		<b>Accessories For Contour Series Lithonia Flood Lights</b> <small>(26 55 53 11-0064)</small>		
26 55 53 11-0100	EA	Wireguard For Contour Series Lithonia Flood Light.....	157.31	28.21
26 55 53 11-0101	EA	Vandal Guard For Contour Series Lithonia Flood Light.....	314.85	28.21
26 55 53 11-0102	EA	Upper Visor For Contour Series Lithonia Flood Light.....	127.58	28.21
26 55 53 11-0103	EA	Full Visor For Contour Series Lithonia Flood Light.....	175.72	28.21
26 55 53 11-0104	EA	Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light.....	383.25	84.63
26 55 53 11-0105	EA	Radius Wall Bracket For Contour Series Lithonia Flood Light.....	298.07	84.63
26 55 53 11-0106	EA	Steel Angle Bracket For Contour Series Lithonia Flood Light.....	298.07	84.63
26 55 53 11-0107	EA	U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe.....	332.04	84.63
26 55 53 11-0108	EA	Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light.....	149.99	28.21
26 55 53 11-0109	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light.....	117.35	28.21
26 55 53 11-0110		<b>Eaton Flood Lights</b> <small>(26 55 53 11)</small>		
26 55 53 11-0111	EA	6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB).....	1,042.14	112.85
		For NEMA Photocontrol Option (Eaton OA/RA1016), Add	57.61	
		For >50 To 100, Deduct	-31.70	
		For >100 To 250, Deduct	-57.75	
		For >250 To 500, Deduct	-104.21	
		For >500, Deduct	-150.68	
26 55 53 11-0112	EA	16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016).....	1,299.01	122.69
		For >50 To 100, Deduct	-38.61	
		For >100 To 250, Deduct	-71.08	
		For >250 To 500, Deduct	-129.90	
		For >500, Deduct	-188.72	
26 55 53 11-0113		<b>Ruud Flood Lights</b> <small>(26 55 53 11)</small>		
26 55 53 11-0114		<b>NS (Micro) Series Ruud Flood Lights</b> <small>(26 55 53 11-0113)</small>		
		Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 55 53 11-0115		<b>High Pressure Sodium NS Series Ruud Flood Lights</b> <small>(26 55 53 11-0114)</small>		
26 55 53 11-0116	EA	35 Watt High Pressure Sodium NS Series Ruud Flood Light.....	420.54	84.63
26 55 53 11-0117	EA	50 Watt High Pressure Sodium NS Series Ruud Flood Light.....	420.54	84.63
26 55 53 11-0118	EA	70 Watt High Pressure Sodium NS Series Ruud Flood Light.....	420.54	84.63
26 55 53 11-0119	EA	100 Watt High Pressure Sodium NS Series Ruud Flood Light.....	420.54	84.63
26 55 53 11-0120	EA	150 Watt High Pressure Sodium NS Series Ruud Flood Light.....	420.54	84.63
26 55 53 11-0121		<b>Metal Halide NS Series Ruud Flood Lights</b> <small>(26 55 53 11-0114)</small>		
26 55 53 11-0122	EA	50 Watt Metal Halide NS Series Ruud Flood Light.....	482.79	84.63
26 55 53 11-0123	EA	70 Watt Metal Halide NS Series Ruud Flood Light.....	482.79	84.63
26 55 53 11-0124	EA	100 Watt Metal Halide NS Series Ruud Flood Light.....	482.79	84.63
26 55 53 11-0125		<b>Compact Fluorescent NS Series Ruud Flood Lights</b> <small>(26 55 53 11-0114)</small>		
26 55 53 11-0126	EA	13 Watt Compact Fluorescent NS Series Ruud Flood Light.....	356.05	84.63
26 55 53 11-0127	EA	26 Watt Compact Fluorescent NS Series Ruud Flood Light.....	371.62	84.63
26 55 53 11-0128	EA	32 Watt Compact Fluorescent NS Series Ruud Flood Light.....	376.07	84.63
26 55 53 11-0129	EA	42 Watt Compact Fluorescent NS Series Ruud Flood Light.....	380.51	84.63
26 55 53 11-0130		<b>NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights</b> <small>(26 55 53 11-0113)</small>		
		Note: The NSF is suited for large open areas and facade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 55 53 11-0131		<b>High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights</b> <small>(26 55 53 11-0130)</small>		
26 55 53 11-0132	EA	150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	649.69	126.96
26 55 53 11-0133	EA	250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	689.72	126.96
26 55 53 11-0134	EA	400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	711.95	126.96
26 55 53 11-0135		<b>Metal Halide NSF/NSW/NSC Series Ruud Flood Lights</b> <small>(26 55 53 11-0130)</small>		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Special Purpose Lighting</b>	<b>26 55</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0136 EA 175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light .....	640.80	126.96
26 55 53 11-0137 EA 250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light .....	645.25	126.96
26 55 53 11-0138 EA 400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light .....	658.59	126.96
<b>26 55 53 11-0139 Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)</b>		
26 55 53 11-0140 EA 70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light .....	625.23	126.96
<b>26 55 53 11-0141 FS (Square) Series Ruud Flood Lights (26 55 53 11-0113)</b>		
Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
<b>26 55 53 11-0142 High Pressure Sodium FS Series Ruud Flood Lights (26 55 53 11-0141)</b>		
26 55 53 11-0143 EA 250 Watt High Pressure Sodium FS Series Ruud Flood Light.....	767.54	126.96
26 55 53 11-0144 EA 400 Watt High Pressure Sodium FS Series Ruud Flood Light.....	771.99	126.96
26 55 53 11-0145 EA 1,000 Watt High Pressure Sodium FS Series Ruud Flood Light.....	1,338.29	141.06
<b>26 55 53 11-0146 Metal Halide FS Series Ruud Flood Lights (26 55 53 11-0141)</b>		
26 55 53 11-0147 EA 175 Watt Metal Halide FS Series Ruud Flood Light.....	767.54	126.96
26 55 53 11-0148 EA 250 Watt Metal Halide FS Series Ruud Flood Light.....	771.99	126.96
26 55 53 11-0149 EA 400 Watt Metal Halide FS Series Ruud Flood Light.....	785.33	126.96
26 55 53 11-0150 EA 1,000 Watt Metal Halide FS Series Ruud Flood Light.....	1,191.54	141.06
<b>26 55 53 11-0151 MFS (Mini Square) Series Ruud Flood Lights (26 55 53 11-0113)</b>		
Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
<b>26 55 53 11-0152 High Pressure Sodium MFS Series Ruud Flood Lights (26 55 53 11-0151)</b>		
26 55 53 11-0153 EA 35 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	597.02	112.85
26 55 53 11-0154 EA 50 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	643.72	112.85
26 55 53 11-0155 EA 70 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	643.72	112.85
26 55 53 11-0156 EA 100 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	643.72	112.85
26 55 53 11-0157 EA 150 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	643.72	112.85
<b>26 55 53 11-0158 Metal Halide MFS Series Ruud Flood Lights (26 55 53 11-0151)</b>		
26 55 53 11-0159 EA 50 Watt Metal Halide MFS Series Ruud Flood Light.....	659.28	112.85
26 55 53 11-0160 EA 70 Watt Metal Halide MFS Series Ruud Flood Light.....	659.28	112.85
26 55 53 11-0161 EA 100 Watt Metal Halide MFS Series Ruud Flood Light.....	659.28	112.85
26 55 53 11-0162 EA 175 Watt Metal Halide MFS Series Ruud Flood Light.....	634.82	112.85
<b>26 55 53 11-0163 MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights (26 55 53 11-0113)</b>		
Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
<b>26 55 53 11-0164 High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights (26 55 53 11-0163)</b>		
26 55 53 11-0165 EA 35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	652.61	112.85
26 55 53 11-0166 EA 50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	699.31	112.85
26 55 53 11-0167 EA 70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	699.31	112.85
26 55 53 11-0168 EA 100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	699.31	112.85
26 55 53 11-0169 EA 150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	699.31	112.85
<b>26 55 53 11-0170 Metal Halide MCF/MPM/MPN Series Ruud Flood Lights (26 55 53 11-0163)</b>		
26 55 53 11-0171 EA 50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light .....	714.87	112.85
26 55 53 11-0172 EA 70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light .....	714.87	112.85
26 55 53 11-0173 EA 100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light .....	714.87	112.85
26 55 53 11-0174 EA 175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light .....	690.41	112.85
<b>26 55 53 11-0175 CF (Cutoff Square) Series Ruud Flood Lights (26 55 53 11-0113)</b>		
Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
<b>26 55 53 11-0176 High Pressure Sodium CF Series Ruud Flood Lights (26 55 53 11-0175)</b>		
26 55 53 11-0177 EA 250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	872.04	126.96
26 55 53 11-0178 EA 400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	894.28	126.96
26 55 53 11-0179 EA 1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	1,393.88	141.06
<b>26 55 53 11-0180 Metal Halide CF Series Ruud Flood Lights (26 55 53 11-0175)</b>		
26 55 53 11-0181 EA 175 Watt Metal Halide CF Series Ruud Flood Light .....	823.13	126.96
26 55 53 11-0182 EA 250 Watt Metal Halide CF Series Ruud Flood Light .....	827.57	126.96
26 55 53 11-0183 EA 400 Watt Metal Halide CF Series Ruud Flood Light .....	840.91	126.96
26 55 53 11-0184 EA 1,000 Watt Metal Halide CF Series Ruud Flood Light .....	1,247.13	141.06
<b>26 55 53 11-0185 CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights (26 55 53 11-0113)</b>		
Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 55 53 11-0186</b> High Pressure Sodium CN Series Ruud Flood Lights <small>(26 55 53 11-0185)</small>		
26 55 53 11-0187 EA 400 High Pressure Sodium CN Series Ruud Flood Light.....	1,135.95	141.06
26 55 53 11-0188 EA 1,000 High Pressure Sodium CN Series Ruud Flood Light.....	1,367.20	141.06
<b>26 55 53 11-0189</b> Metal Halide CN Series Ruud Flood Lights <small>(26 55 53 11-0185)</small>		
26 55 53 11-0190 EA 400 Watt Metal Halide CN Series Ruud Flood Light.....	1,082.59	141.06
26 55 53 11-0191 EA 1,000 Watt Metal Halide CN Series Ruud Flood Light.....	1,220.45	141.06
<b>26 55 53 11-0192</b> PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small> Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
<b>26 55 53 11-0193</b> High Pressure Sodium PM/PN Series Ruud Flood Lights <small>(26 55 53 11-0192)</small>		
26 55 53 11-0194 EA 250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	903.17	126.96
26 55 53 11-0195 EA 400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	925.41	126.96
<b>26 55 53 11-0196</b> Metal Halide PM/PN Series Ruud Flood Lights <small>(26 55 53 11-0192)</small>		
26 55 53 11-0197 EA 175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	854.25	126.96
26 55 53 11-0198 EA 250 Watt Metal Halide PM/PN Series Ruud Flood Light.....	858.70	126.96
26 55 53 11-0199 EA 400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	872.04	126.96
26 55 53 11-0200 EA 1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	1,278.26	141.06
<b>26 55 53 11-0201</b> Accessories For Ruud Flood Lighting <small>(26 55 53 11-0113)</small>		
26 55 53 11-0202 EA Wireguard For Rudd Flood Light.....	89.78	28.21
26 55 53 11-0203 EA Deep Baffle (Full Visor) For Rudd Flood Light.....	149.82	28.21
26 55 53 11-0204 EA Glare Guard (Upper Visor) For Rudd Flood Light.....	105.35	28.21
26 55 53 11-0205 EA Vandal Shield For Rudd Flood Light.....	127.58	28.21
26 55 53 11-0206 EA Pipe Mounting Bracket For Ruud Flood Light.....	244.88	84.63
26 55 53 11-0207 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	76.44	28.21
<b>26 55 53 11-0208</b> Lumark Flood Lights <small>(26 55 53 11)</small>		
<b>26 55 53 11-0209</b> QZ Wedge Series Quartz Lumark Flood Lights <small>(26 55 53 11-0208)</small> Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210 EA 500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	214.75	84.63
<b>26 55 53 11-0211</b> LQL Series Quartz Lumark Flood Lights <small>(26 55 53 11-0208)</small> Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0212 EA 1,500 Watt LQL Series Quartz Lumark Flood Light.....	280.34	84.63
<b>26 55 53 11-0213</b> Kim Lighting <small>(26 55 53 11)</small>		
<b>26 55 53 11-0214</b> MicroFlood® Series Kim Lighting Flood Lights <small>(26 55 53 11-0213)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
<b>26 55 53 11-0215</b> LED MicroFlood® Series Kim Lighting Flood Lights <small>(26 55 53 11-0214)</small>		
26 55 53 11-0216 EA 5 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	505.16	33.68
For >50 To 100, Deduct	-14.31	
For >100 To 250, Deduct	-26.94	
For >250 To 500, Deduct	-50.52	
For >500, Deduct	-74.09	
26 55 53 11-0217 EA 15 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	628.56	33.68
For >50 To 100, Deduct	-17.40	
For >100 To 250, Deduct	-33.11	
For >250 To 500, Deduct	-62.86	
For >500, Deduct	-92.60	
<b>26 55 53 11-0218</b> Scarab® Series Kim Lighting Flood Lights <small>(26 55 53 11-0213)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
<b>26 55 53 11-0219</b> LED Scarab® Series Kim Lighting Accent Flood Lights <small>(26 55 53 11-0218)</small> Note: Spot or narrow style accent flood lights.		
26 55 53 11-0220 EA 6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light.....	780.17	33.68
For >50 To 100, Deduct	-21.19	
For >100 To 250, Deduct	-40.69	
For >250 To 500, Deduct	-78.02	
For >500, Deduct	-115.34	
<b>26 55 53 11-0221</b> CREE® BetaLED® Flood Lights <small>(26 55 53 11)</small>		





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Special Purpose Lighting</b>	<b>26 55</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 11-0222	<b>Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304)</b> <small>(26 55 53 11-0221)</small> Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0223	EA 40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	980.90	100.38
	<i>For &gt;50 To 100, Deduct</i>	-29.54	
	<i>For &gt;100 To 250, Deduct</i>	-54.06	
	<i>For &gt;250 To 500, Deduct</i>	-98.09	
	<i>For &gt;500, Deduct</i>	-142.12	
26 55 53 11-0224	EA 60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,074.61	105.96
	<i>For &gt;50 To 100, Deduct</i>	-32.16	
	<i>For &gt;100 To 250, Deduct</i>	-59.03	
	<i>For &gt;250 To 500, Deduct</i>	-107.46	
	<i>For &gt;500, Deduct</i>	-155.89	
26 55 53 11-0225	<b>Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG)</b> <small>(26 55 53 11-0221)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0226	EA 20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	851.58	94.81
	<i>For 480 Volt, Add</i>	103.70	
	<i>For &gt;50 To 100, Deduct</i>	-26.03	
	<i>For &gt;100 To 250, Deduct</i>	-47.32	
	<i>For &gt;250 To 500, Deduct</i>	-85.16	
	<i>For &gt;500, Deduct</i>	-123.00	
26 55 53 11-0227	EA 40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,072.01	100.38
	<i>For 480 Volt, Add</i>	103.70	
	<i>For &gt;50 To 100, Deduct</i>	-31.82	
	<i>For &gt;100 To 250, Deduct</i>	-58.62	
	<i>For &gt;250 To 500, Deduct</i>	-107.20	
	<i>For &gt;500, Deduct</i>	-155.78	
26 55 53 11-0228	EA 60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,292.41	105.96
	<i>For 480 Volt, Add</i>	103.70	
	<i>For &gt;50 To 100, Deduct</i>	-37.61	
	<i>For &gt;100 To 250, Deduct</i>	-69.92	
	<i>For &gt;250 To 500, Deduct</i>	-129.24	
	<i>For &gt;500, Deduct</i>	-188.56	
26 55 53 11-0229	EA 80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,596.83	111.54
	<i>For 480 Volt, Add</i>	103.70	
	<i>For &gt;50 To 100, Deduct</i>	-45.50	
	<i>For &gt;100 To 250, Deduct</i>	-85.42	
	<i>For &gt;250 To 500, Deduct</i>	-159.68	
	<i>For &gt;500, Deduct</i>	-233.95	
26 55 53 11-0230	EA 100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,817.26	117.11
	<i>For 480 Volt, Add</i>	103.70	
	<i>For &gt;50 To 100, Deduct</i>	-51.29	
	<i>For &gt;100 To 250, Deduct</i>	-96.72	
	<i>For &gt;250 To 500, Deduct</i>	-181.73	
	<i>For &gt;500, Deduct</i>	-266.73	
26 55 53 11-0231	EA 120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,037.67	122.69
	<i>For 480 Volt, Add</i>	103.70	
	<i>For &gt;50 To 100, Deduct</i>	-57.08	
	<i>For &gt;100 To 250, Deduct</i>	-108.02	
	<i>For &gt;250 To 500, Deduct</i>	-203.77	
	<i>For &gt;500, Deduct</i>	-299.52	
26 55 53 11-0232	EA 140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,325.01	128.27
	<i>For 480 Volt, Add</i>	103.70	
	<i>For &gt;50 To 100, Deduct</i>	-64.54	
	<i>For &gt;100 To 250, Deduct</i>	-122.66	
	<i>For &gt;250 To 500, Deduct</i>	-232.50	
	<i>For &gt;500, Deduct</i>	-342.34	
26 55 53 11-0233	EA 160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,545.43	133.84
	<i>For 480 Volt, Add</i>	103.70	
	<i>For &gt;50 To 100, Deduct</i>	-70.33	
	<i>For &gt;100 To 250, Deduct</i>	-133.96	
	<i>For &gt;250 To 500, Deduct</i>	-254.54	
	<i>For &gt;500, Deduct</i>	-375.12	

26 55 53 11-0234	<b>Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO)</b> <small>(26 55 53 11-0221)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
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MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 55 53 11-0235	EA	120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	1,953.68	122.69
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
		<i>For Bird Spikes, Add</i>	38.72	
		<i>For 5,000K Color Temperature, Add</i>	41.98	
		<i>For Fuse, Add</i>	50.37	
		<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
		<i>For 480 Volt, Add</i>	75.56	
		<i>For Multi-Level, Add</i>	109.13	
		<i>For 1,000mA Driver, Add</i>	141.04	
		<i>For &gt;50 To 100, Deduct</i>	-54.98	
		<i>For &gt;100 To 250, Deduct</i>	-103.82	
		<i>For &gt;250 To 500, Deduct</i>	-195.37	
		<i>For &gt;500, Deduct</i>	-286.92	
26 55 53 11-0236	EA	240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	3,314.05	150.57
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
		<i>For 5,000K Color Temperature, Add</i>	41.98	
		<i>For Fuse, Add</i>	50.37	
		<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
		<i>For Bird Spikes, Add</i>	57.38	
		<i>For Multi-Level, Add</i>	109.13	
		<i>For 1,000mA Driver, Add</i>	141.04	
		<i>For 480 Volt, Add</i>	151.10	
		<i>For &gt;50 To 100, Deduct</i>	-90.38	
		<i>For &gt;100 To 250, Deduct</i>	-173.23	
		<i>For &gt;250 To 500, Deduct</i>	-331.41	
		<i>For &gt;500, Deduct</i>	-489.58	
26 55 53 11-0237		<b>Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™)</b> <small>(26 55 53 11-0221)</small>		
		Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0238	EA	112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL).....	1,144.48	122.69
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
		<i>For Front Facing Optics, Back Light Shield, Add</i>	29.89	
		<i>For Rotated Optics, Back Light Shield, Add</i>	29.89	
		<i>For Field Adjustable Output, Add</i>	25.19	
		<i>For Fuse, Add</i>	50.37	
		<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
		<i>For Multi-Level, Add</i>	109.13	
		<i>For &gt;50 To 100, Deduct</i>	-34.75	
		<i>For &gt;100 To 250, Deduct</i>	-63.36	
		<i>For &gt;250 To 500, Deduct</i>	-114.45	
		<i>For &gt;500, Deduct</i>	-165.54	
26 55 53 11-0239	EA	168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL).....	1,223.82	122.69
		Note: Type III, IV or V medium optics only.		
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
		<i>For Front Facing Optics, Back Light Shield, Add</i>	29.89	
		<i>For Rotated Optics, Back Light Shield, Add</i>	29.89	
		<i>For Field Adjustable Output, Add</i>	25.19	
		<i>For Fuse, Add</i>	50.37	
		<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
		<i>For Type II Medium Or Type V Short Optics, Add</i>	553.44	
		<i>For Multi-Level, Add</i>	109.13	
		<i>For &gt;50 To 100, Deduct</i>	-36.73	
		<i>For &gt;100 To 250, Deduct</i>	-67.33	
		<i>For &gt;250 To 500, Deduct</i>	-122.38	
		<i>For &gt;500, Deduct</i>	-177.44	
26 55 53 11-0240	EA	223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL).....	1,570.48	150.57
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
		<i>For Field Adjustable Output, Add</i>	25.19	
		<i>For Front Facing Optics, Back Light Shield, Add</i>	36.21	
		<i>For Rotated Optics, Back Light Shield, Add</i>	36.21	
		<i>For Fuse, Add</i>	50.37	
		<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
		<i>For Multi-Level, Add</i>	109.13	
		<i>For &gt;50 To 100, Deduct</i>	-46.79	
		<i>For &gt;100 To 250, Deduct</i>	-86.05	
		<i>For &gt;250 To 500, Deduct</i>	-157.05	
		<i>For &gt;500, Deduct</i>	-228.04	
26 55 53 11-0241		<b>PlanLED Flood Lights</b> <small>(26 55 53 11)</small>		
26 55 53 11-0242		<b>Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA)</b> <small>(26 55 53 11-0241)</small>		
26 55 53 11-0243	EA	6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050).....	599.15	100.38
		<i>For &gt;50 To 100, Deduct</i>	-20.00	
		<i>For &gt;100 To 250, Deduct</i>	-34.98	
		<i>For &gt;250 To 500, Deduct</i>	-59.92	
		<i>For &gt;500, Deduct</i>	-84.85	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Special Purpose Lighting</b>	<b>26 55</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0244	EA		9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075).....	722.66	105.96
			<i>For &gt;50 To 100, Deduct</i>	-23.36	
			<i>For &gt;100 To 250, Deduct</i>	-41.43	
			<i>For &gt;250 To 500, Deduct</i>	-72.27	
			<i>For &gt;500, Deduct</i>	-103.10	
26 55 53 11-0245	EA		12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100).....	837.45	114.33
			<i>For &gt;50 To 100, Deduct</i>	-26.65	
			<i>For &gt;100 To 250, Deduct</i>	-47.59	
			<i>For &gt;250 To 500, Deduct</i>	-83.75	
			<i>For &gt;500, Deduct</i>	-119.90	
<b>26 55 53 11-0246</b>			<b>Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA)</b> <small>(26 55 53 11-0241)</small>		
26 55 53 11-0247	EA		21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200).....	1,702.58	223.07
			<i>For 0 To 10 Volt Dimming, Add</i>	88.26	
			<i>For &gt;50 To 100, Deduct</i>	-53.72	
			<i>For &gt;100 To 250, Deduct</i>	-96.28	
			<i>For &gt;250 To 500, Deduct</i>	-170.26	
			<i>For &gt;500, Deduct</i>	-244.23	
26 55 53 11-0248	EA		42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400).....	2,693.42	223.07
			<i>For 0 To 10 Volt Dimming, Add</i>	88.26	
			<i>For &gt;50 To 100, Deduct</i>	-78.49	
			<i>For &gt;100 To 250, Deduct</i>	-145.82	
			<i>For &gt;250 To 500, Deduct</i>	-269.34	
			<i>For &gt;500, Deduct</i>	-392.86	
26 55 53 11-0249	EA		84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800).....	4,826.30	223.07
			<i>For 0 To 10 Volt Dimming, Add</i>	88.26	
			<i>For &gt;50 To 100, Deduct</i>	-131.81	
			<i>For &gt;100 To 250, Deduct</i>	-252.47	
			<i>For &gt;250 To 500, Deduct</i>	-482.63	
			<i>For &gt;500, Deduct</i>	-712.79	
<b>26 55 53 11-0250</b>			<b>Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA)</b> <small>(26 55 53 11-0241)</small>		
26 55 53 11-0251	EA		26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200).....	1,530.08	144.99
			<i>For 0 To 10 Volt Dimming, Add</i>	88.26	
			<i>For 480 Volt, Add</i>	132.79	
			<i>For &gt;50 To 100, Deduct</i>	-45.50	
			<i>For &gt;100 To 250, Deduct</i>	-83.75	
			<i>For &gt;250 To 500, Deduct</i>	-153.01	
			<i>For &gt;500, Deduct</i>	-222.26	
26 55 53 11-0252	EA		39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300).....	1,974.35	150.57
			<i>For 0 To 10 Volt Dimming, Add</i>	88.26	
			<i>For 480 Volt, Add</i>	107.26	
			<i>For &gt;50 To 100, Deduct</i>	-56.89	
			<i>For &gt;100 To 250, Deduct</i>	-106.25	
			<i>For &gt;250 To 500, Deduct</i>	-197.44	
			<i>For &gt;500, Deduct</i>	-288.62	
26 55 53 11-0253	EA		52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400).....	2,535.07	156.15
			<i>For 0 To 10 Volt Dimming, Add</i>	88.26	
			<i>For 480 Volt, Add</i>	86.97	
			<i>For &gt;50 To 100, Deduct</i>	-71.18	
			<i>For &gt;100 To 250, Deduct</i>	-134.56	
			<i>For &gt;250 To 500, Deduct</i>	-253.51	
			<i>For &gt;500, Deduct</i>	-372.45	
<b>26 55 53 12</b>			<b>Security Hazardous Location Flood Lights</b> <small>(26 55 53)</small>		
			Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.		
26 55 53 12-0001			<b>Lithonia Hazardous Location Flood Lights</b> <small>(26 55 53 12)</small>		
26 55 53 12-0002			<b>HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights</b> <small>(26 55 53 12-0001)</small>		
			Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0003			<b>High Pressure Sodium HFR Series Hazardous Location Flood Lights</b> <small>(26 55 53 12-0002)</small>		
26 55 53 12-0004	EA		150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	960.14	112.85
26 55 53 12-0005	EA		250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,029.07	112.85
26 55 53 12-0006	EA		400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	962.37	112.85
26 55 53 12-0007			<b>Metal Halide HFR Series Lithonia Hazardous Location Flood Lights</b> <small>(26 55 53 12-0002)</small>		
26 55 53 12-0008	EA		250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,021.71	112.85
26 55 53 12-0009	EA		400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	989.05	112.85
26 55 53 12-0010			<b>HFM (Medium Base) Series Hazardous Location Flood Lights</b> <small>(26 55 53 12-0001)</small>		
			Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 55 53 12-0011		High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0010)</small>		
26 55 53 12-0012	EA	100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	912.76	112.85
26 55 53 12-0013	EA	150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	953.90	112.85
26 55 53 12-0014		Metal Halide HFM Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0010)</small>		
26 55 53 12-0015	EA	175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	801.59	112.85
26 55 53 12-0016		HFA (Large) Series Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0017		High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0016)</small>		
26 55 53 12-0018	EA	250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	1,298.27	141.06
26 55 53 12-0019	EA	400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	1,318.28	141.06
26 55 53 12-0020		Metal Halide HFA Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0016)</small>		
26 55 53 12-0021	EA	250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	1,291.60	141.06
26 55 53 12-0022	EA	400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	1,318.28	141.06
26 55 53 12-0023		HFL (Medium) Series Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0024		High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0023)</small>		
26 55 53 12-0025	EA	400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	954.31	126.96
26 55 53 12-0026		Metal Halide HFL Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0023)</small>		
26 55 53 12-0027	EA	400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,032.13	126.96
26 55 53 12-0028		Accessories For Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small> See CSI section 26 55 53 11-0099 for accessories.		
<b>26 55 53 13</b>		<b>Security High Performance Flood Lights <small>(26 55 53)</small></b> Note: For airport aprons and parking areas.		
26 55 53 13-0001		Lithonia High Performance Flood Lights <small>(26 55 53 13)</small>		
26 55 53 13-0002		170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0001)</small> Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 55 53 13-0003		High Pressure Sodium 170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small>		
26 55 53 13-0004	EA	250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light .....	2,270.76	169.28
26 55 53 13-0005	EA	400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light .....	2,453.09	169.28
26 55 53 13-0006	EA	750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light .....	2,461.98	169.28
26 55 53 13-0007	EA	1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light .....	2,739.92	169.28
26 55 53 13-0008		Metal Halide 170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small>		
26 55 53 13-0009	EA	320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light .....	2,624.30	169.28
26 55 53 13-0010	EA	350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light .....	2,501.00	169.28
26 55 53 13-0011	EA	400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light .....	2,384.16	169.28
26 55 53 13-0012	EA	1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light .....	2,499.78	169.28
26 55 53 13-0013		Accessories For Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small> See CSI section 26 55 53 11-0099 for accessories.		
<b>26 55 61</b>		<b>Theatrical Lighting <small>(26 55)</small></b>		
26 55 61 00-0001		Stage Lighting <small>(26 55 61)</small>		
26 55 61 00-0002	EA	Ellipsoidal Spotlight, Two 6" x 9" Lenses .....	582.01	116.68
		Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.		
26 55 61 00-0003	EA	Ellipsoidal Spotlight, Two 6" x 12" Lenses .....	582.01	116.68
		Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.		
26 55 61 00-0004	EA	Ellipsoidal Spotlight, Two 6" x 16" Lenses .....	582.01	116.68
		Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.		
26 55 61 00-0005	EA	Ellipsoidal Spotlight, 15-30 Degree Zoom (Strand #11411) .....	1,212.14	116.68



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Special Purpose Lighting</b>	<b>26 55</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 61 00-0006 EA 14" Scoop Floodlight Altman #SC14.....	602.01	116.68
26 55 61 00-0007 EA 6" Diameter Fresnel Spotlight, Spherical Specular Alzak1 Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.	466.67	116.68
26 55 61 00-0008 EA 8" Diameter Fresnel Spotlight, Spherical Specular Alzak Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.	789.59	116.68
26 55 61 00-0009 EA 6" Diameter, 1000 Watt Fresnel Spotlight (Strand #12081).....	1,075.04	116.68
26 55 61 00-0010 EA Follow Spotlight With Steel Chassis And Lightweight..... Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowsler, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	2,134.68	116.68
26 55 61 00-0011 EA Follow Spotlight With Steel Chassis And Lightweight..... Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowsler, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	2,580.05	116.68
26 55 61 00-0012 EA 1000 Watt Follow Spotlight With Stand Altman 1000Q.....	3,461.90	116.68
26 55 61 00-0013 EA 300 To 1000 Watt, PAR 64 Can Lighting With 20 Gauge Sheet Steel..... Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.	421.85	116.68
26 55 61 00-0014 LF 300 Watt Borderlight Sections Note: With continuous 5-3/4" x 6-3/4" housing, supported by wired on 3 or 4 circuits. Altman R40.	223.29	19.47
26 55 61 00-0015 EA Dimmer Rack, Strand # CD80 SV.....	13,947.94	175.46
26 55 61 00-0016 EA Control Modules, 12x2.4W Twist Lock Out Strand # CD-80, 73210.....	7,889.70	87.73
26 55 61 00-0017 EA Control Modules, 12x2.4W Stage Pin Out Strand # CD-80, 73211.....	7,392.66	87.73
26 55 61 00-0018 EA Control Modules, 12x2.4W Terminal Strip Out Strand # CD-80, 73214.....	8,015.28	87.73
26 55 61 00-0019 EA Control Modules, 6x6 W Terminal Strip Out Strand # CD-80, 73224.....	7,988.37	87.73
26 55 61 00-0020 EA Dimmer Modules, 2x2.4 W Dimmer Module Strand # CD-80, 3-081060010 Or 73214.....	985.22	43.86
26 55 61 00-0021 EA Entrance Station Strand # 63021.....	848.12	43.86
26 55 61 00-0022 EA Stage Manager Panel Strand # 63030.....	1,746.43	87.73
26 55 61 00-0023 EA Control Console, Mantrix MX 24 Strand # 64125.....	6,322.76	175.46
26 55 61 00-0024 EA 6' Length, Multi-Lamp Compartmented Striplighting Luminaire Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.	1,616.58	116.68
26 55 61 00-0025 EA 1,000 Watt, 25 To 125' Throw, Follow Spotlight (Times Square Lighting QF1000S).....	2,786.33	116.68
<b>26 55 68 Athletic Field Lighting (26 55)</b>		
26 55 68 00-0001 Sports Lighting System (26 55 68) Note: Musco.		
26 55 68 00-0002 Round Steel Tapered Poles (26 55 68 00-0001) Note: With Internal wiring harness.		
26 55 68 00-0003 EA 20' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	3,751.75	541.68
26 55 68 00-0004 EA 25' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	4,513.20	654.53
26 55 68 00-0005 EA 30' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	5,099.60	710.95
26 55 68 00-0006 EA 35' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	5,594.99	739.16
26 55 68 00-0007 EA 40' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	7,096.23	767.38
26 55 68 00-0008 EA 45' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	8,116.94	936.64
26 55 68 00-0009 EA 50' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	8,729.28	993.07
26 55 68 00-0010 EA 55' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	9,915.84	1,128.49
26 55 68 00-0011 EA 60' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	11,263.55	1,269.55
26 55 68 00-0012 EA 65' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	12,403.94	1,373.55
26 55 68 00-0013 EA 70' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	13,509.65	1,535.15
26 55 68 00-0014 EA 75' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	14,702.56	1,723.67
26 55 68 00-0015 EA 80' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	16,418.42	2,073.79
26 55 68 00-0016 Steel Pole Brackets (26 55 68 00-0001)		
26 55 68 00-0017 EA Two Light Bracket.....	592.64	56.43
26 55 68 00-0018 EA Three Light Bracket.....	744.16	79.00
26 55 68 00-0019 EA Four Light Bracket.....	1,078.17	95.92
26 55 68 00-0020 EA Five Light Bracket.....	1,226.17	112.85
26 55 68 00-0021 EA Six Light Bracket.....	1,489.23	129.77
26 55 68 00-0022 EA Seven Light Bracket.....	1,705.34	146.71
26 55 68 00-0023 EA Eight Light Bracket.....	1,950.91	169.28
26 55 68 00-0024 EA Nine Light Bracket.....	2,205.39	186.20
26 55 68 00-0025 Light Fixtures (26 55 68 00-0001)		
26 55 68 00-0026 EA 120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug For 1,500 Watt Metal Halide Lamp, Add	1,275.96 14.59	
26 55 68 00-0027 Electrical Component Enclosure (26 55 68 00-0001) Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.		
26 55 68 00-0028 EA Electrical Component Enclosure For 2 Lights, Pole Mounted.....	949.43	62.42
26 55 68 00-0029 EA Electrical Component Enclosure For 3 Lights, Pole Mounted.....	1,423.47	96.04
26 55 68 00-0030 EA Electrical Component Enclosure For 4 Lights, Pole Mounted.....	1,634.38	120.05
26 55 68 00-0031 EA Electrical Component Enclosure For 5 Lights, Pole Mounted.....	2,115.98	134.46
26 55 68 00-0032 EA Electrical Component Enclosure For 6 Lights, Pole Mounted.....	2,381.88	144.06

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**26 55 68 00-0033 Accessories** (26 55 68 00-0001)

26 55 68 00-0034	EA	Time Delay Kit (Musco®).....	899.59	192.48
26 55 68 00-0035	EA	Remote Switch Box Push Button (Musco®).....	1,928.87	192.48
26 55 68 00-0036	EA	Push Button Strobe Kit (Musco®).....	2,340.58	192.48
26 55 68 00-0037	EA	Additional Control-Link Unit (Musco®).....	11,447.65	577.44
26 55 68 00-0038	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®).....	1,221.37	96.04
26 55 68 00-0039	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®).....	1,413.44	192.09

**26 55 70 Healthcare Lighting** (26 55)

**26 55 70 00-0001 Surgical Lighting Fixtures** (26 55 70)

26 55 70 00-0002	EA	Surgical Lighting Fixture, 120 Volt, Max Va 126, 100 Volt Halogen.....	5,565.18	
26 55 70 00-0003	EA	Install Owner Furnished Surgical Lights.....	563.20	

**26 55 70 00-0004 Patient Care Fluorescent Fixtures** (26 55 70)

**26 55 70 00-0005 Ambient And Exam Combination, Patient Care Fluorescent Fixtures**

**(Cooper Fail-Safe)** (26 55 70 00-0004)

Note: Includes ambient and exam lights, 20 gauge steel housing with powder coated finish, acrylic diffuser and electronic ballast.

26 55 70 00-0006	EA	2' x 2', 3 T8 Ambient Lamps, 2 T8 Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MAE).....	1,394.21	44.18
26 55 70 00-0007	EA	2' x 4', 3 T8 Ambient Lamps, 2 T8 Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MAE).....	1,540.83	44.18
26 55 70 00-0008	EA	2' x 4', 2 Biax Ambient Lamps, 4 Biax Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MPR2).....	1,249.85	44.18

**26 55 70 00-0009 Reading, Ambient And Exam Combination, Patient Care Fluorescent Fixtures (Cooper Fail-Safe)** (26 55 70 00-0004)

Note: Includes reading, ambient and exam lights, 20 gauge steel housing with powder coated finish, acrylic diffuser and electronic ballast.

26 55 70 00-0010	EA	2' x 4', 1 Biax Reading Lamp, 2 Biax Ambient Lamps, 3 Biax Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MPR).....	1,383.14	44.18
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**26 55 70 00-0011 Multi-Function Patient Care Fluorescent Fixtures (Day-Brite MPC)** (26 55 70 00-0004)

Note: Includes reading, ambient, exam and nurses light, steel housing with baked enamel finish, acrylic diffuser and electronic ballasts.

26 55 70 00-0012	EA	2' x 4', 6 40W T5 Lamps, Multi-Function Patient Care Fluorescent Fixture (Day-Brite MPC).....	2,107.75	44.18
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**26 56 Exterior Lighting** (26 50)

**26 56 13 Lighting Poles and Standards** (26 56)

**26 56 13 00-0001 Poles And Standards** (26 56 13)

See CSI section 26 05 46 00-0001 for additional pole.

**26 56 13 00-0002 Roadway Light Poles** (26 56 13 00-0001)

Note: Excludes lighting fixtures.

**26 56 13 00-0003 Steel Roadway Light Poles** (26 56 13 00-0002)

Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

**26 56 13 00-0004 Round Tapered, Steel Roadway Light Poles** (26 56 13 00-0003)

**26 56 13 00-0005 Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms** (26 56 13 00-0004)

**26 56 13 00-0006 Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm** (26 56 13 00-0005)

26 56 13 00-0007	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	2,839.09	338.54
		<i>For Galvanized Finish, Add</i>	64.86	
		<i>For &gt;10 To 20, Deduct</i>	-70.98	
		<i>For &gt;20 To 40, Deduct</i>	-141.95	
		<i>For &gt;40, Deduct</i>	-229.86	
26 56 13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	2,844.43	338.54
		<i>For Galvanized Finish, Add</i>	65.02	
		<i>For &gt;10 To 20, Deduct</i>	-71.11	
		<i>For &gt;20 To 40, Deduct</i>	-142.22	
		<i>For &gt;40, Deduct</i>	-230.26	
26 56 13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,101.80	451.39
		<i>For Galvanized Finish, Add</i>	65.97	
		<i>For &gt;10 To 20, Deduct</i>	-77.55	
		<i>For &gt;20 To 40, Deduct</i>	-155.09	
		<i>For &gt;40, Deduct</i>	-255.21	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0010 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,166.05	451.39
For Galvanized Finish, Add	67.90	
For >10 To 20, Deduct	-79.15	
For >20 To 40, Deduct	-158.30	
For >40, Deduct	-260.02	
26 56 13 00-0011 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,230.30	451.39
For Galvanized Finish, Add	69.83	
For >10 To 20, Deduct	-80.76	
For >20 To 40, Deduct	-161.52	
For >40, Deduct	-264.84	
26 56 13 00-0012 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,356.68	507.82
For Galvanized Finish, Add	70.23	
For >10 To 20, Deduct	-83.92	
For >20 To 40, Deduct	-167.83	
For >40, Deduct	-277.14	
26 56 13 00-0013 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,387.15	507.82
For Galvanized Finish, Add	71.15	
For >10 To 20, Deduct	-84.68	
For >20 To 40, Deduct	-169.36	
For >40, Deduct	-279.43	
26 56 13 00-0014 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,392.94	507.82
For Galvanized Finish, Add	71.32	
For >10 To 20, Deduct	-84.82	
For >20 To 40, Deduct	-169.65	
For >40, Deduct	-279.86	
26 56 13 00-0015 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,557.54	536.04
For Galvanized Finish, Add	74.56	
For >10 To 20, Deduct	-88.94	
For >20 To 40, Deduct	-177.88	
For >40, Deduct	-293.62	
26 56 13 00-0016 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,580.55	536.04
For Galvanized Finish, Add	75.25	
For >10 To 20, Deduct	-89.51	
For >20 To 40, Deduct	-179.03	
For >40, Deduct	-295.34	
26 56 13 00-0017 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,605.68	536.04
For Galvanized Finish, Add	76.01	
For >10 To 20, Deduct	-90.14	
For >20 To 40, Deduct	-180.28	
For >40, Deduct	-297.23	
26 56 13 00-0018 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,112.25	564.25
For Galvanized Finish, Add	89.51	
For >10 To 20, Deduct	-102.81	
For >20 To 40, Deduct	-205.61	
For >40, Deduct	-336.63	
26 56 13 00-0019 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,120.44	564.25
For Galvanized Finish, Add	89.76	
For >10 To 20, Deduct	-103.01	
For >20 To 40, Deduct	-206.02	
For >40, Deduct	-337.25	
26 56 13 00-0020 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,128.54	564.25
For Galvanized Finish, Add	90.00	
For >10 To 20, Deduct	-103.21	
For >20 To 40, Deduct	-206.43	
For >40, Deduct	-337.85	

**26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms**  
(26 56 13 00-0005)

26 56 13 00-0022 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,535.10	394.97
For Galvanized Finish, Add	82.35	
For >10 To 20, Deduct	-88.38	
For >20 To 40, Deduct	-176.76	
For >40, Deduct	-284.88	
26 56 13 00-0023 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,597.65	409.08
For Galvanized Finish, Add	83.38	
For >10 To 20, Deduct	-89.94	
For >20 To 40, Deduct	-179.88	
For >40, Deduct	-290.28	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,651.73	423.19
			<i>For Galvanized Finish, Add</i>	84.16	
			<i>For &gt;10 To 20, Deduct</i>	-91.29	
			<i>For &gt;20 To 40, Deduct</i>	-182.59	
			<i>For &gt;40, Deduct</i>	-295.04	
26 56	13 00-0025	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,538.21	507.82
			<i>For Galvanized Finish, Add</i>	75.68	
			<i>For &gt;10 To 20, Deduct</i>	-88.46	
			<i>For &gt;20 To 40, Deduct</i>	-176.91	
			<i>For &gt;40, Deduct</i>	-290.76	
26 56	13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,580.05	521.93
			<i>For Galvanized Finish, Add</i>	76.09	
			<i>For &gt;10 To 20, Deduct</i>	-89.50	
			<i>For &gt;20 To 40, Deduct</i>	-179.00	
			<i>For &gt;40, Deduct</i>	-294.60	
26 56	13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,613.78	536.04
			<i>For Galvanized Finish, Add</i>	76.25	
			<i>For &gt;10 To 20, Deduct</i>	-90.34	
			<i>For &gt;20 To 40, Deduct</i>	-180.69	
			<i>For &gt;40, Deduct</i>	-297.84	
26 56	13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,819.33	564.25
			<i>For Galvanized Finish, Add</i>	80.73	
			<i>For &gt;10 To 20, Deduct</i>	-95.48	
			<i>For &gt;20 To 40, Deduct</i>	-190.97	
			<i>For &gt;40, Deduct</i>	-314.66	
26 56	13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,855.84	578.35
			<i>For Galvanized Finish, Add</i>	80.97	
			<i>For &gt;10 To 20, Deduct</i>	-96.40	
			<i>For &gt;20 To 40, Deduct</i>	-192.79	
			<i>For &gt;40, Deduct</i>	-318.11	
26 56	13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,889.29	592.46
			<i>For Galvanized Finish, Add</i>	81.13	
			<i>For &gt;10 To 20, Deduct</i>	-97.23	
			<i>For &gt;20 To 40, Deduct</i>	-194.46	
			<i>For &gt;40, Deduct</i>	-321.32	
26 56	13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,052.05	592.46
			<i>For Galvanized Finish, Add</i>	86.01	
			<i>For &gt;10 To 20, Deduct</i>	-101.30	
			<i>For &gt;20 To 40, Deduct</i>	-202.60	
			<i>For &gt;40, Deduct</i>	-333.53	
26 56	13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,115.88	606.56
			<i>For Galvanized Finish, Add</i>	87.08	
			<i>For &gt;10 To 20, Deduct</i>	-102.90	
			<i>For &gt;20 To 40, Deduct</i>	-205.79	
			<i>For &gt;40, Deduct</i>	-339.02	
26 56	13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,177.88	620.67
			<i>For Galvanized Finish, Add</i>	88.10	
			<i>For &gt;10 To 20, Deduct</i>	-104.45	
			<i>For &gt;20 To 40, Deduct</i>	-208.89	
			<i>For &gt;40, Deduct</i>	-344.37	
26 56	13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,575.09	620.67
			<i>For Galvanized Finish, Add</i>	100.01	
			<i>For &gt;10 To 20, Deduct</i>	-114.38	
			<i>For &gt;20 To 40, Deduct</i>	-228.75	
			<i>For &gt;40, Deduct</i>	-374.17	
26 56	13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,608.64	634.78
			<i>For Galvanized Finish, Add</i>	100.17	
			<i>For &gt;10 To 20, Deduct</i>	-115.22	
			<i>For &gt;20 To 40, Deduct</i>	-230.43	
			<i>For &gt;40, Deduct</i>	-377.39	
26 56	13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,642.38	648.88
			<i>For Galvanized Finish, Add</i>	100.34	
			<i>For &gt;10 To 20, Deduct</i>	-116.06	
			<i>For &gt;20 To 40, Deduct</i>	-232.12	
			<i>For &gt;40, Deduct</i>	-380.62	

26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms (26 56 13 00-0005)





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0038	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,155.70	564.25
			<i>For Galvanized Finish, Add</i>	90.82	
			<i>For &gt;10 To 20, Deduct</i>	-103.89	
			<i>For &gt;20 To 40, Deduct</i>	-207.79	
			<i>For &gt;40, Deduct</i>	-339.89	
26 56 13 00-0039	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,217.56	592.46
			<i>For Galvanized Finish, Add</i>	90.98	
			<i>For &gt;10 To 20, Deduct</i>	-105.44	
			<i>For &gt;20 To 40, Deduct</i>	-210.88	
			<i>For &gt;40, Deduct</i>	-345.94	
26 56 13 00-0040	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,287.51	620.67
			<i>For Galvanized Finish, Add</i>	91.39	
			<i>For &gt;10 To 20, Deduct</i>	-107.19	
			<i>For &gt;20 To 40, Deduct</i>	-214.38	
			<i>For &gt;40, Deduct</i>	-352.60	
26 56 13 00-0041	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,404.24	620.67
			<i>For Galvanized Finish, Add</i>	94.89	
			<i>For &gt;10 To 20, Deduct</i>	-110.11	
			<i>For &gt;20 To 40, Deduct</i>	-220.21	
			<i>For &gt;40, Deduct</i>	-361.35	
26 56 13 00-0042	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,468.68	648.88
			<i>For Galvanized Finish, Add</i>	95.13	
			<i>For &gt;10 To 20, Deduct</i>	-111.72	
			<i>For &gt;20 To 40, Deduct</i>	-223.43	
			<i>For &gt;40, Deduct</i>	-367.60	
26 56 13 00-0043	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,530.53	677.10
			<i>For Galvanized Finish, Add</i>	95.29	
			<i>For &gt;10 To 20, Deduct</i>	-113.26	
			<i>For &gt;20 To 40, Deduct</i>	-226.53	
			<i>For &gt;40, Deduct</i>	-373.64	
26 56 13 00-0044	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,682.89	648.88
			<i>For Galvanized Finish, Add</i>	101.55	
			<i>For &gt;10 To 20, Deduct</i>	-117.07	
			<i>For &gt;20 To 40, Deduct</i>	-234.14	
			<i>For &gt;40, Deduct</i>	-383.66	
26 56 13 00-0045	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,744.74	677.10
			<i>For Galvanized Finish, Add</i>	101.72	
			<i>For &gt;10 To 20, Deduct</i>	-118.62	
			<i>For &gt;20 To 40, Deduct</i>	-237.24	
			<i>For &gt;40, Deduct</i>	-389.71	
26 56 13 00-0046	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,806.60	705.30
			<i>For Galvanized Finish, Add</i>	101.88	
			<i>For &gt;10 To 20, Deduct</i>	-120.17	
			<i>For &gt;20 To 40, Deduct</i>	-240.33	
			<i>For &gt;40, Deduct</i>	-395.76	
26 56 13 00-0047	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	5,037.93	677.10
			<i>For Galvanized Finish, Add</i>	110.51	
			<i>For &gt;10 To 20, Deduct</i>	-125.95	
			<i>For &gt;20 To 40, Deduct</i>	-251.90	
			<i>For &gt;40, Deduct</i>	-411.70	
26 56 13 00-0048	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,099.52	705.30
			<i>For Galvanized Finish, Add</i>	110.67	
			<i>For &gt;10 To 20, Deduct</i>	-127.49	
			<i>For &gt;20 To 40, Deduct</i>	-254.98	
			<i>For &gt;40, Deduct</i>	-417.73	
26 56 13 00-0049	EA		40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	5,166.81	733.52
			<i>For Galvanized Finish, Add</i>	110.99	
			<i>For &gt;10 To 20, Deduct</i>	-129.17	
			<i>For &gt;20 To 40, Deduct</i>	-258.34	
			<i>For &gt;40, Deduct</i>	-424.19	
26 56 13 00-0050			<b>Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms</b>		
			<small>(26 56 13 00-0005)</small>		
26 56 13 00-0051	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,621.21	620.67
			<i>For Galvanized Finish, Add</i>	101.40	
			<i>For &gt;10 To 20, Deduct</i>	-115.53	
			<i>For &gt;20 To 40, Deduct</i>	-231.06	
			<i>For &gt;40, Deduct</i>	-377.62	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,713.95	662.99
		<i>For Galvanized Finish, Add</i>	101.64	
		<i>For &gt;10 To 20, Deduct</i>	-117.85	
		<i>For &gt;20 To 40, Deduct</i>	-235.70	
		<i>For &gt;40, Deduct</i>	-386.70	
26 56 13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,803.93	705.30
		<i>For Galvanized Finish, Add</i>	101.80	
		<i>For &gt;10 To 20, Deduct</i>	-120.10	
		<i>For &gt;20 To 40, Deduct</i>	-240.20	
		<i>For &gt;40, Deduct</i>	-395.56	
26 56 13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,902.98	677.10
		<i>For Galvanized Finish, Add</i>	106.46	
		<i>For &gt;10 To 20, Deduct</i>	-122.57	
		<i>For &gt;20 To 40, Deduct</i>	-245.15	
		<i>For &gt;40, Deduct</i>	-401.58	
26 56 13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,993.33	719.41
		<i>For Galvanized Finish, Add</i>	106.64	
		<i>For &gt;10 To 20, Deduct</i>	-124.83	
		<i>For &gt;20 To 40, Deduct</i>	-249.67	
		<i>For &gt;40, Deduct</i>	-410.47	
26 56 13 00-0056	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,052.38	761.73
		<i>For Galvanized Finish, Add</i>	105.87	
		<i>For &gt;10 To 20, Deduct</i>	-126.31	
		<i>For &gt;20 To 40, Deduct</i>	-252.62	
		<i>For &gt;40, Deduct</i>	-417.02	
26 56 13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,267.70	705.30
		<i>For Galvanized Finish, Add</i>	115.71	
		<i>For &gt;10 To 20, Deduct</i>	-131.69	
		<i>For &gt;20 To 40, Deduct</i>	-263.39	
		<i>For &gt;40, Deduct</i>	-430.34	
26 56 13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,394.67	747.63
		<i>For Galvanized Finish, Add</i>	116.98	
		<i>For &gt;10 To 20, Deduct</i>	-134.87	
		<i>For &gt;20 To 40, Deduct</i>	-269.73	
		<i>For &gt;40, Deduct</i>	-441.98	
26 56 13 00-0059	EA	35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,450.69	789.95
		<i>For Galvanized Finish, Add</i>	116.12	
		<i>For &gt;10 To 20, Deduct</i>	-136.27	
		<i>For &gt;20 To 40, Deduct</i>	-272.53	
		<i>For &gt;40, Deduct</i>	-448.30	
26 56 13 00-0060	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,500.51	733.52
		<i>For Galvanized Finish, Add</i>	121.00	
		<i>For &gt;10 To 20, Deduct</i>	-137.51	
		<i>For &gt;20 To 40, Deduct</i>	-275.03	
		<i>For &gt;40, Deduct</i>	-449.21	
26 56 13 00-0061	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,590.47	775.84
		<i>For Galvanized Finish, Add</i>	121.16	
		<i>For &gt;10 To 20, Deduct</i>	-139.76	
		<i>For &gt;20 To 40, Deduct</i>	-279.52	
		<i>For &gt;40, Deduct</i>	-458.08	
26 56 13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,683.21	818.16
		<i>For Galvanized Finish, Add</i>	121.41	
		<i>For &gt;10 To 20, Deduct</i>	-142.08	
		<i>For &gt;20 To 40, Deduct</i>	-284.16	
		<i>For &gt;40, Deduct</i>	-467.15	
26 56 13 00-0063		Round Tapered, Steel Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0004)</small>		
26 56 13 00-0064		Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0063)</small>		
26 56 13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,300.63	451.39
		<i>For Galvanized Finish, Add</i>	71.93	
		<i>For &gt;10 To 20, Deduct</i>	-82.52	
		<i>For &gt;20 To 40, Deduct</i>	-165.03	
		<i>For &gt;40, Deduct</i>	-270.12	
26 56 13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,734.83	507.82
		<i>For Galvanized Finish, Add</i>	81.58	
		<i>For &gt;10 To 20, Deduct</i>	-93.37	
		<i>For &gt;20 To 40, Deduct</i>	-186.74	
		<i>For &gt;40, Deduct</i>	-305.50	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0067	EA		35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	3,836.00	536.04
			<i>For Galvanized Finish, Add</i>	82.92	
			<i>For &gt;10 To 20, Deduct</i>	-95.90	
			<i>For &gt;20 To 40, Deduct</i>	-191.80	
			<i>For &gt;40, Deduct</i>	-314.50	
26 56 13 00-0068	EA		40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	4,578.78	564.25
			<i>For Galvanized Finish, Add</i>	103.51	
			<i>For &gt;10 To 20, Deduct</i>	-114.47	
			<i>For &gt;20 To 40, Deduct</i>	-228.94	
			<i>For &gt;40, Deduct</i>	-371.62	
<b>26 56 13 00-0069</b>			<b>Round Tapered, Steel Roadway Light Poles With Truss Style Arms</b> <small>(26 56 13 00-0004)</small>		
<b>26 56 13 00-0070</b>			<b>Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm</b> <small>(26 56 13 00-0069)</small>		
26 56 13 00-0071	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,260.48	451.39
			<i>For Galvanized Finish, Add</i>	100.73	
			<i>For &gt;10 To 20, Deduct</i>	-106.51	
			<i>For &gt;20 To 40, Deduct</i>	-213.02	
			<i>For &gt;40, Deduct</i>	-342.11	
26 56 13 00-0072	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,301.63	451.39
			<i>For Galvanized Finish, Add</i>	101.96	
			<i>For &gt;10 To 20, Deduct</i>	-107.54	
			<i>For &gt;20 To 40, Deduct</i>	-215.08	
			<i>For &gt;40, Deduct</i>	-345.19	
26 56 13 00-0073	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,320.41	451.39
			<i>For Galvanized Finish, Add</i>	102.53	
			<i>For &gt;10 To 20, Deduct</i>	-108.01	
			<i>For &gt;20 To 40, Deduct</i>	-216.02	
			<i>For &gt;40, Deduct</i>	-346.60	
26 56 13 00-0074	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,414.47	507.82
			<i>For Galvanized Finish, Add</i>	101.96	
			<i>For &gt;10 To 20, Deduct</i>	-110.36	
			<i>For &gt;20 To 40, Deduct</i>	-220.72	
			<i>For &gt;40, Deduct</i>	-356.48	
26 56 13 00-0075	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,421.65	507.82
			<i>For Galvanized Finish, Add</i>	102.18	
			<i>For &gt;10 To 20, Deduct</i>	-110.54	
			<i>For &gt;20 To 40, Deduct</i>	-221.08	
			<i>For &gt;40, Deduct</i>	-357.01	
26 56 13 00-0076	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,495.85	507.82
			<i>For Galvanized Finish, Add</i>	104.41	
			<i>For &gt;10 To 20, Deduct</i>	-112.40	
			<i>For &gt;20 To 40, Deduct</i>	-224.79	
			<i>For &gt;40, Deduct</i>	-362.58	
26 56 13 00-0077	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,495.30	536.04
			<i>For Galvanized Finish, Add</i>	102.70	
			<i>For &gt;10 To 20, Deduct</i>	-112.38	
			<i>For &gt;20 To 40, Deduct</i>	-224.77	
			<i>For &gt;40, Deduct</i>	-363.95	
26 56 13 00-0078	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,538.75	536.04
			<i>For Galvanized Finish, Add</i>	104.00	
			<i>For &gt;10 To 20, Deduct</i>	-113.47	
			<i>For &gt;20 To 40, Deduct</i>	-226.94	
			<i>For &gt;40, Deduct</i>	-367.21	
26 56 13 00-0079	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,766.58	536.04
			<i>For Galvanized Finish, Add</i>	110.84	
			<i>For &gt;10 To 20, Deduct</i>	-119.16	
			<i>For &gt;20 To 40, Deduct</i>	-238.33	
			<i>For &gt;40, Deduct</i>	-384.30	
<b>26 56 13 00-0080</b>			<b>Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms</b> <small>(26 56 13 00-0069)</small>		
26 56 13 00-0081	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,580.89	564.25
			<i>For Galvanized Finish, Add</i>	133.57	
			<i>For &gt;10 To 20, Deduct</i>	-139.52	
			<i>For &gt;20 To 40, Deduct</i>	-279.04	
			<i>For &gt;40, Deduct</i>	-446.78	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,676.71	592.46
			<i>For Galvanized Finish, Add</i>	134.75	
			<i>For &gt;10 To 20, Deduct</i>	-141.92	
			<i>For &gt;20 To 40, Deduct</i>	-283.84	
			<i>For &gt;40, Deduct</i>	-455.38	
26 56	13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,887.79	620.67
			<i>For Galvanized Finish, Add</i>	139.39	
			<i>For &gt;10 To 20, Deduct</i>	-147.19	
			<i>For &gt;20 To 40, Deduct</i>	-294.39	
			<i>For &gt;40, Deduct</i>	-472.62	
26 56	13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,670.91	620.67
			<i>For Galvanized Finish, Add</i>	132.89	
			<i>For &gt;10 To 20, Deduct</i>	-141.77	
			<i>For &gt;20 To 40, Deduct</i>	-283.55	
			<i>For &gt;40, Deduct</i>	-456.35	
26 56	13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,930.87	648.88
			<i>For Galvanized Finish, Add</i>	138.99	
			<i>For &gt;10 To 20, Deduct</i>	-148.27	
			<i>For &gt;20 To 40, Deduct</i>	-296.54	
			<i>For &gt;40, Deduct</i>	-477.26	
26 56	13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,087.44	677.10
			<i>For Galvanized Finish, Add</i>	142.00	
			<i>For &gt;10 To 20, Deduct</i>	-152.19	
			<i>For &gt;20 To 40, Deduct</i>	-304.37	
			<i>For &gt;40, Deduct</i>	-490.41	
26 56	13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,841.02	648.88
			<i>For Galvanized Finish, Add</i>	136.30	
			<i>For &gt;10 To 20, Deduct</i>	-146.03	
			<i>For &gt;20 To 40, Deduct</i>	-292.05	
			<i>For &gt;40, Deduct</i>	-470.52	
26 56	13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,187.78	677.10
			<i>For Galvanized Finish, Add</i>	145.01	
			<i>For &gt;10 To 20, Deduct</i>	-154.69	
			<i>For &gt;20 To 40, Deduct</i>	-309.39	
			<i>For &gt;40, Deduct</i>	-497.94	
26 56	13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,393.34	705.30
			<i>For Galvanized Finish, Add</i>	149.48	
			<i>For &gt;10 To 20, Deduct</i>	-159.83	
			<i>For &gt;20 To 40, Deduct</i>	-319.67	
			<i>For &gt;40, Deduct</i>	-514.77	
26 56	13 00-0090		<b>Aluminum Roadway Light Poles</b> <small>(26 56 13 00-0002)</small> Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56	13 00-0091		<b>Round Tapered, Aluminum Roadway Light Poles</b> <small>(26 56 13 00-0090)</small>		
26 56	13 00-0092		<b>Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms</b> <small>(26 56 13 00-0091)</small>		
26 56	13 00-0093		<b>Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm</b> <small>(26 56 13 00-0092)</small>		
26 56	13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,168.00	338.54
			<i>For &gt;10 To 20, Deduct</i>	-54.20	
			<i>For &gt;20 To 40, Deduct</i>	-108.40	
			<i>For &gt;40, Deduct</i>	-179.53	
26 56	13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,186.05	338.54
			<i>For &gt;10 To 20, Deduct</i>	-54.65	
			<i>For &gt;20 To 40, Deduct</i>	-109.30	
			<i>For &gt;40, Deduct</i>	-180.88	
26 56	13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,666.12	451.39
			<i>For &gt;10 To 20, Deduct</i>	-66.65	
			<i>For &gt;20 To 40, Deduct</i>	-133.31	
			<i>For &gt;40, Deduct</i>	-222.53	
26 56	13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,700.22	451.39
			<i>For &gt;10 To 20, Deduct</i>	-67.51	
			<i>For &gt;20 To 40, Deduct</i>	-135.01	
			<i>For &gt;40, Deduct</i>	-225.09	
26 56	13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	2,731.58	451.39
			<i>For &gt;10 To 20, Deduct</i>	-68.29	
			<i>For &gt;20 To 40, Deduct</i>	-136.58	
			<i>For &gt;40, Deduct</i>	-227.44	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0099	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,057.97	507.82
			<i>For &gt;10 To 20, Deduct</i>	-76.45	
			<i>For &gt;20 To 40, Deduct</i>	-152.90	
			<i>For &gt;40, Deduct</i>	-254.74	
26 56 13 00-0100	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,086.74	507.82
			<i>For &gt;10 To 20, Deduct</i>	-77.17	
			<i>For &gt;20 To 40, Deduct</i>	-154.34	
			<i>For &gt;40, Deduct</i>	-256.90	
26 56 13 00-0101	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,118.92	507.82
			<i>For &gt;10 To 20, Deduct</i>	-77.97	
			<i>For &gt;20 To 40, Deduct</i>	-155.95	
			<i>For &gt;40, Deduct</i>	-259.31	
26 56 13 00-0102	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,569.60	536.04
			<i>For &gt;10 To 20, Deduct</i>	-89.24	
			<i>For &gt;20 To 40, Deduct</i>	-178.48	
			<i>For &gt;40, Deduct</i>	-294.52	
26 56 13 00-0103	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,598.30	536.04
			<i>For &gt;10 To 20, Deduct</i>	-89.96	
			<i>For &gt;20 To 40, Deduct</i>	-179.92	
			<i>For &gt;40, Deduct</i>	-296.67	
26 56 13 00-0104	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,622.34	536.04
			<i>For &gt;10 To 20, Deduct</i>	-90.56	
			<i>For &gt;20 To 40, Deduct</i>	-181.12	
			<i>For &gt;40, Deduct</i>	-298.48	
<b>26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms</b>					
<i>(26 56 13 00-0092)</i>					
26 56 13 00-0106	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	2,485.74	394.97
			<i>For &gt;10 To 20, Deduct</i>	-62.14	
			<i>For &gt;20 To 40, Deduct</i>	-124.29	
			<i>For &gt;40, Deduct</i>	-206.18	
26 56 13 00-0107	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	2,662.60	394.97
			<i>For &gt;10 To 20, Deduct</i>	-66.57	
			<i>For &gt;20 To 40, Deduct</i>	-133.13	
			<i>For &gt;40, Deduct</i>	-219.44	
26 56 13 00-0108	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	2,753.49	423.19
			<i>For &gt;10 To 20, Deduct</i>	-68.84	
			<i>For &gt;20 To 40, Deduct</i>	-137.67	
			<i>For &gt;40, Deduct</i>	-227.67	
26 56 13 00-0109	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	2,974.16	507.82
			<i>For &gt;10 To 20, Deduct</i>	-74.35	
			<i>For &gt;20 To 40, Deduct</i>	-148.71	
			<i>For &gt;40, Deduct</i>	-248.45	
26 56 13 00-0110	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,114.96	521.93
			<i>For &gt;10 To 20, Deduct</i>	-77.87	
			<i>For &gt;20 To 40, Deduct</i>	-155.75	
			<i>For &gt;40, Deduct</i>	-259.72	
26 56 13 00-0111	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,316.63	536.04
			<i>For &gt;10 To 20, Deduct</i>	-82.92	
			<i>For &gt;20 To 40, Deduct</i>	-165.83	
			<i>For &gt;40, Deduct</i>	-275.55	
26 56 13 00-0112	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,428.01	564.25
			<i>For &gt;10 To 20, Deduct</i>	-85.70	
			<i>For &gt;20 To 40, Deduct</i>	-171.40	
			<i>For &gt;40, Deduct</i>	-285.31	
26 56 13 00-0113	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,560.67	578.35
			<i>For &gt;10 To 20, Deduct</i>	-89.02	
			<i>For &gt;20 To 40, Deduct</i>	-178.03	
			<i>For &gt;40, Deduct</i>	-295.97	
26 56 13 00-0114	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,721.87	592.46
			<i>For &gt;10 To 20, Deduct</i>	-93.05	
			<i>For &gt;20 To 40, Deduct</i>	-186.09	
			<i>For &gt;40, Deduct</i>	-308.76	
26 56 13 00-0115	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,878.32	592.46
			<i>For &gt;10 To 20, Deduct</i>	-96.96	
			<i>For &gt;20 To 40, Deduct</i>	-193.92	
			<i>For &gt;40, Deduct</i>	-320.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,232.13	606.56
			<i>For &gt;10 To 20, Deduct</i>	-105.80	
			<i>For &gt;20 To 40, Deduct</i>	-211.61	
			<i>For &gt;40, Deduct</i>	-347.74	
26 56	13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,643.13	620.67
			<i>For &gt;10 To 20, Deduct</i>	-116.08	
			<i>For &gt;20 To 40, Deduct</i>	-232.16	
			<i>For &gt;40, Deduct</i>	-379.27	
<b>26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms</b> <small>(26 56 13 00-0092)</small>					
26 56	13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	2,883.29	451.39
			<i>For &gt;10 To 20, Deduct</i>	-72.08	
			<i>For &gt;20 To 40, Deduct</i>	-144.16	
			<i>For &gt;40, Deduct</i>	-238.82	
26 56	13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,082.76	479.61
			<i>For &gt;10 To 20, Deduct</i>	-77.07	
			<i>For &gt;20 To 40, Deduct</i>	-154.14	
			<i>For &gt;40, Deduct</i>	-255.19	
26 56	13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,509.45	564.25
			<i>For &gt;10 To 20, Deduct</i>	-87.74	
			<i>For &gt;20 To 40, Deduct</i>	-175.47	
			<i>For &gt;40, Deduct</i>	-291.42	
26 56	13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,660.48	592.46
			<i>For &gt;10 To 20, Deduct</i>	-91.51	
			<i>For &gt;20 To 40, Deduct</i>	-183.02	
			<i>For &gt;40, Deduct</i>	-304.16	
26 56	13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,833.55	620.67
			<i>For &gt;10 To 20, Deduct</i>	-95.84	
			<i>For &gt;20 To 40, Deduct</i>	-191.68	
			<i>For &gt;40, Deduct</i>	-318.55	
26 56	13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,971.42	648.88
			<i>For &gt;10 To 20, Deduct</i>	-99.29	
			<i>For &gt;20 To 40, Deduct</i>	-198.57	
			<i>For &gt;40, Deduct</i>	-330.30	
26 56	13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,140.80	648.88
			<i>For &gt;10 To 20, Deduct</i>	-103.52	
			<i>For &gt;20 To 40, Deduct</i>	-207.04	
			<i>For &gt;40, Deduct</i>	-343.00	
26 56	13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,497.83	677.10
			<i>For &gt;10 To 20, Deduct</i>	-112.45	
			<i>For &gt;20 To 40, Deduct</i>	-224.89	
			<i>For &gt;40, Deduct</i>	-371.19	
26 56	13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	10,747.00	705.30
			<i>For &gt;10 To 20, Deduct</i>	-268.68	
			<i>For &gt;20 To 40, Deduct</i>	-537.35	
			<i>For &gt;40, Deduct</i>	-841.29	
<b>26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms</b> <small>(26 56 13 00-0092)</small>					
26 56	13 00-0129	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	2,995.69	507.82
			<i>For &gt;10 To 20, Deduct</i>	-74.89	
			<i>For &gt;20 To 40, Deduct</i>	-149.78	
			<i>For &gt;40, Deduct</i>	-250.07	
26 56	13 00-0130	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	3,103.98	507.82
			<i>For &gt;10 To 20, Deduct</i>	-77.60	
			<i>For &gt;20 To 40, Deduct</i>	-155.20	
			<i>For &gt;40, Deduct</i>	-258.19	
26 56	13 00-0131	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,840.28	620.67
			<i>For &gt;10 To 20, Deduct</i>	-96.01	
			<i>For &gt;20 To 40, Deduct</i>	-192.01	
			<i>For &gt;40, Deduct</i>	-319.05	
26 56	13 00-0132	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,155.77	662.99
			<i>For &gt;10 To 20, Deduct</i>	-103.89	
			<i>For &gt;20 To 40, Deduct</i>	-207.79	
			<i>For &gt;40, Deduct</i>	-344.83	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0133	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,331.48	677.10
			<i>For &gt;10 To 20, Deduct</i>	-108.29	
			<i>For &gt;20 To 40, Deduct</i>	-216.57	
			<i>For &gt;40, Deduct</i>	-358.72	
26 56	13 00-0134	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,623.00	719.41
			<i>For &gt;10 To 20, Deduct</i>	-115.58	
			<i>For &gt;20 To 40, Deduct</i>	-231.15	
			<i>For &gt;40, Deduct</i>	-382.70	
26 56	13 00-0135	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,559.59	705.30
			<i>For &gt;10 To 20, Deduct</i>	-113.99	
			<i>For &gt;20 To 40, Deduct</i>	-227.98	
			<i>For &gt;40, Deduct</i>	-377.23	
26 56	13 00-0136	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,174.34	747.63
			<i>For &gt;10 To 20, Deduct</i>	-129.36	
			<i>For &gt;20 To 40, Deduct</i>	-258.72	
			<i>For &gt;40, Deduct</i>	-425.46	
26 56	13 00-0137	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,718.92	789.95
			<i>For &gt;10 To 20, Deduct</i>	-142.97	
			<i>For &gt;20 To 40, Deduct</i>	-285.95	
			<i>For &gt;40, Deduct</i>	-468.42	
26 56	13 00-0138		<b>Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms</b> <small>(26 56 13 00-0091)</small>		
26 56	13 00-0139		<b>Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm</b> <small>(26 56 13 00-0138)</small>		
26 56	13 00-0140	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	3,167.18	451.39
			<i>For &gt;10 To 20, Deduct</i>	-79.18	
			<i>For &gt;20 To 40, Deduct</i>	-158.36	
			<i>For &gt;40, Deduct</i>	-260.11	
26 56	13 00-0141	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	3,191.30	451.39
			<i>For &gt;10 To 20, Deduct</i>	-79.78	
			<i>For &gt;20 To 40, Deduct</i>	-159.57	
			<i>For &gt;40, Deduct</i>	-261.92	
26 56	13 00-0142	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	3,252.91	451.39
			<i>For &gt;10 To 20, Deduct</i>	-81.32	
			<i>For &gt;20 To 40, Deduct</i>	-162.65	
			<i>For &gt;40, Deduct</i>	-266.54	
26 56	13 00-0143	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	3,345.37	451.39
			<i>For &gt;10 To 20, Deduct</i>	-83.63	
			<i>For &gt;20 To 40, Deduct</i>	-167.27	
			<i>For &gt;40, Deduct</i>	-273.47	
26 56	13 00-0144	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	3,565.91	507.82
			<i>For &gt;10 To 20, Deduct</i>	-89.15	
			<i>For &gt;20 To 40, Deduct</i>	-178.30	
			<i>For &gt;40, Deduct</i>	-292.83	
26 56	13 00-0145	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	3,620.28	507.82
			<i>For &gt;10 To 20, Deduct</i>	-90.51	
			<i>For &gt;20 To 40, Deduct</i>	-181.01	
			<i>For &gt;40, Deduct</i>	-296.91	
26 56	13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	3,678.27	507.82
			<i>For &gt;10 To 20, Deduct</i>	-91.96	
			<i>For &gt;20 To 40, Deduct</i>	-183.91	
			<i>For &gt;40, Deduct</i>	-301.26	
26 56	13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,028.06	507.82
			<i>For &gt;10 To 20, Deduct</i>	-100.70	
			<i>For &gt;20 To 40, Deduct</i>	-201.40	
			<i>For &gt;40, Deduct</i>	-327.50	
26 56	13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	3,871.09	536.04
			<i>For &gt;10 To 20, Deduct</i>	-96.78	
			<i>For &gt;20 To 40, Deduct</i>	-193.55	
			<i>For &gt;40, Deduct</i>	-317.13	
26 56	13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,319.93	536.04
			<i>For &gt;10 To 20, Deduct</i>	-108.00	
			<i>For &gt;20 To 40, Deduct</i>	-216.00	
			<i>For &gt;40, Deduct</i>	-350.80	
26 56	13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,363.65	536.04
			<i>For &gt;10 To 20, Deduct</i>	-109.09	
			<i>For &gt;20 To 40, Deduct</i>	-218.18	
			<i>For &gt;40, Deduct</i>	-354.08	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,641.17	536.04
		<i>For &gt;10 To 20, Deduct</i>	-116.03	
		<i>For &gt;20 To 40, Deduct</i>	-232.06	
		<i>For &gt;40, Deduct</i>	-374.89	
26 56 13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,894.29	536.04
		<i>For &gt;10 To 20, Deduct</i>	-122.36	
		<i>For &gt;20 To 40, Deduct</i>	-244.71	
		<i>For &gt;40, Deduct</i>	-393.87	
<b>26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms</b> <small>(26 56 13 00-0138)</small>				
26 56 13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	4,105.78	564.25
		<i>For &gt;10 To 20, Deduct</i>	-102.64	
		<i>For &gt;20 To 40, Deduct</i>	-205.29	
		<i>For &gt;40, Deduct</i>	-336.15	
26 56 13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	4,223.82	592.46
		<i>For &gt;10 To 20, Deduct</i>	-105.60	
		<i>For &gt;20 To 40, Deduct</i>	-211.19	
		<i>For &gt;40, Deduct</i>	-346.41	
26 56 13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	4,319.89	620.67
		<i>For &gt;10 To 20, Deduct</i>	-108.00	
		<i>For &gt;20 To 40, Deduct</i>	-215.99	
		<i>For &gt;40, Deduct</i>	-355.03	
26 56 13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	4,425.51	620.67
		<i>For &gt;10 To 20, Deduct</i>	-110.64	
		<i>For &gt;20 To 40, Deduct</i>	-221.28	
		<i>For &gt;40, Deduct</i>	-362.95	
26 56 13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	4,803.11	648.88
		<i>For &gt;10 To 20, Deduct</i>	-120.08	
		<i>For &gt;20 To 40, Deduct</i>	-240.16	
		<i>For &gt;40, Deduct</i>	-392.68	
26 56 13 00-0159	EA	30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,493.22	677.10
		<i>For &gt;10 To 20, Deduct</i>	-137.33	
		<i>For &gt;20 To 40, Deduct</i>	-274.66	
		<i>For &gt;40, Deduct</i>	-445.85	
26 56 13 00-0160	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,311.35	648.88
		<i>For &gt;10 To 20, Deduct</i>	-132.78	
		<i>For &gt;20 To 40, Deduct</i>	-265.57	
		<i>For &gt;40, Deduct</i>	-430.80	
26 56 13 00-0161	EA	35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,419.40	677.10
		<i>For &gt;10 To 20, Deduct</i>	-135.49	
		<i>For &gt;20 To 40, Deduct</i>	-270.97	
		<i>For &gt;40, Deduct</i>	-440.31	
26 56 13 00-0162	EA	35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,559.46	705.30
		<i>For &gt;10 To 20, Deduct</i>	-163.99	
		<i>For &gt;20 To 40, Deduct</i>	-327.97	
		<i>For &gt;40, Deduct</i>	-527.23	
<b>26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm</b> <small>(26 56 13 00-0091)</small>				
<b>26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm</b> <small>(26 56 13 00-0163)</small>				
26 56 13 00-0165	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	2,589.47	338.54
		<i>For &gt;10 To 20, Deduct</i>	-64.74	
		<i>For &gt;20 To 40, Deduct</i>	-129.47	
		<i>For &gt;40, Deduct</i>	-211.14	
26 56 13 00-0166	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	2,657.59	338.54
		<i>For &gt;10 To 20, Deduct</i>	-66.44	
		<i>For &gt;20 To 40, Deduct</i>	-132.88	
		<i>For &gt;40, Deduct</i>	-216.25	
26 56 13 00-0167	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	2,725.87	338.54
		<i>For &gt;10 To 20, Deduct</i>	-68.15	
		<i>For &gt;20 To 40, Deduct</i>	-136.29	
		<i>For &gt;40, Deduct</i>	-221.37	
26 56 13 00-0168	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,093.73	451.39
		<i>For &gt;10 To 20, Deduct</i>	-77.34	
		<i>For &gt;20 To 40, Deduct</i>	-154.69	
		<i>For &gt;40, Deduct</i>	-254.60	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0169	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base .....	3,145.66	451.39
			For >10 To 20, Deduct	-78.64	
			For >20 To 40, Deduct	-157.28	
			For >40, Deduct	-258.49	
26 56 13 00-0170	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base .....	3,202.39	451.39
			For >10 To 20, Deduct	-80.06	
			For >20 To 40, Deduct	-160.12	
			For >40, Deduct	-262.75	
26 56 13 00-0171	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base .....	3,491.20	507.82
			For >10 To 20, Deduct	-87.28	
			For >20 To 40, Deduct	-174.56	
			For >40, Deduct	-287.23	
26 56 13 00-0172	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base .....	3,561.69	507.82
			For >10 To 20, Deduct	-89.04	
			For >20 To 40, Deduct	-178.08	
			For >40, Deduct	-292.52	
26 56 13 00-0173	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base .....	3,572.27	507.82
			For >10 To 20, Deduct	-89.31	
			For >20 To 40, Deduct	-178.61	
			For >40, Deduct	-293.31	
26 56 13 00-0174	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base .....	3,798.46	536.04
			For >10 To 20, Deduct	-94.96	
			For >20 To 40, Deduct	-189.92	
			For >40, Deduct	-311.69	
26 56 13 00-0175	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base .....	3,829.38	536.04
			For >10 To 20, Deduct	-95.73	
			For >20 To 40, Deduct	-191.47	
			For >40, Deduct	-314.01	
26 56 13 00-0176	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base .....	3,901.86	536.04
			For >10 To 20, Deduct	-97.55	
			For >20 To 40, Deduct	-195.09	
			For >40, Deduct	-319.44	
26 56 13 00-0177			<b>Area Light Poles</b> <small>(26 56 13 00-0001)</small>		
			Note: Excludes lighting fixtures.		
26 56 13 00-0178			<b>Steel Area Light Poles</b> <small>(26 56 13 00-0177)</small>		
			Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179			<b>Round Straight, Steel Area Light Poles</b> <small>(26 56 13 00-0178)</small>		
26 56 13 00-0180			<b>Round Straight, Steel Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0179)</small>		
26 56 13 00-0181	EA		10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,386.45	197.48
			For Galvanized Finish, Add	29.74	
			For >10 To 20, Deduct	-49.53	
			For >20 To 40, Deduct	-89.15	
			For >40, Deduct	-188.22	
26 56 13 00-0182	EA		12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,497.80	225.70
			For Galvanized Finish, Add	31.39	
			For >10 To 20, Deduct	-53.14	
			For >20 To 40, Deduct	-95.82	
			For >40, Deduct	-202.10	
26 56 13 00-0183	EA		14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,672.33	253.91
			For Galvanized Finish, Add	34.94	
			For >10 To 20, Deduct	-59.28	
			For >20 To 40, Deduct	-106.91	
			For >40, Deduct	-225.46	
26 56 13 00-0184	EA		16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,852.35	282.13
			For Galvanized Finish, Add	38.64	
			For >10 To 20, Deduct	-65.63	
			For >20 To 40, Deduct	-118.38	
			For >40, Deduct	-249.64	
26 56 13 00-0185	EA		18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,963.70	310.34
			For Galvanized Finish, Add	40.29	
			For >10 To 20, Deduct	-69.24	
			For >20 To 40, Deduct	-125.05	
			For >40, Deduct	-263.52	
26 56 13 00-0186	EA		20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,061.33	338.54
			For Galvanized Finish, Add	41.53	
			For >10 To 20, Deduct	-72.30	
			For >20 To 40, Deduct	-130.75	
			For >40, Deduct	-275.34	
26 56 13 00-0187	EA		10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,457.86	197.48
			For Galvanized Finish, Add	31.89	
			For >10 To 20, Deduct	-52.39	
			For >20 To 40, Deduct	-94.15	
			For >40, Deduct	-198.93	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0188	EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,571.95	225.70
			<i>For Galvanized Finish, Add</i>	33.62	
			<i>For &gt;10 To 20, Deduct</i>	-56.11	
			<i>For &gt;20 To 40, Deduct</i>	-101.01	
			<i>For &gt;40, Deduct</i>	-213.22	
26 56	13 00-0189	EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,820.64	253.91
			<i>For Galvanized Finish, Add</i>	39.38	
			<i>For &gt;10 To 20, Deduct</i>	-65.21	
			<i>For &gt;20 To 40, Deduct</i>	-117.29	
			<i>For &gt;40, Deduct</i>	-247.71	
26 56	13 00-0190	EA	16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,948.48	282.13
			<i>For Galvanized Finish, Add</i>	41.53	
			<i>For &gt;10 To 20, Deduct</i>	-69.48	
			<i>For &gt;20 To 40, Deduct</i>	-125.11	
			<i>For &gt;40, Deduct</i>	-264.06	
26 56	13 00-0191	EA	18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,068.07	310.34
			<i>For Galvanized Finish, Add</i>	43.42	
			<i>For &gt;10 To 20, Deduct</i>	-73.41	
			<i>For &gt;20 To 40, Deduct</i>	-132.35	
			<i>For &gt;40, Deduct</i>	-279.18	
26 56	13 00-0192	EA	20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,160.20	338.54
			<i>For Galvanized Finish, Add</i>	44.49	
			<i>For &gt;10 To 20, Deduct</i>	-76.25	
			<i>For &gt;20 To 40, Deduct</i>	-137.67	
			<i>For &gt;40, Deduct</i>	-290.18	
26 56	13 00-0193	EA	25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,487.52	451.39
			<i>For Galvanized Finish, Add</i>	47.54	
			<i>For &gt;10 To 20, Deduct</i>	-85.96	
			<i>For &gt;20 To 40, Deduct</i>	-156.07	
			<i>For &gt;40, Deduct</i>	-327.99	
26 56	13 00-0194	EA	10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,457.86	197.48
			<i>For Galvanized Finish, Add</i>	31.89	
			<i>For &gt;10 To 20, Deduct</i>	-52.39	
			<i>For &gt;20 To 40, Deduct</i>	-94.15	
			<i>For &gt;40, Deduct</i>	-198.93	
26 56	13 00-0195	EA	12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,580.19	225.70
			<i>For Galvanized Finish, Add</i>	33.86	
			<i>For &gt;10 To 20, Deduct</i>	-56.44	
			<i>For &gt;20 To 40, Deduct</i>	-101.59	
			<i>For &gt;40, Deduct</i>	-214.46	
26 56	13 00-0196	EA	14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,864.58	253.91
			<i>For Galvanized Finish, Add</i>	40.70	
			<i>For &gt;10 To 20, Deduct</i>	-66.97	
			<i>For &gt;20 To 40, Deduct</i>	-120.36	
			<i>For &gt;40, Deduct</i>	-254.30	
26 56	13 00-0197	EA	16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,956.72	282.13
			<i>For Galvanized Finish, Add</i>	41.77	
			<i>For &gt;10 To 20, Deduct</i>	-69.81	
			<i>For &gt;20 To 40, Deduct</i>	-125.69	
			<i>For &gt;40, Deduct</i>	-265.30	
26 56	13 00-0198	EA	18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,068.07	310.34
			<i>For Galvanized Finish, Add</i>	43.42	
			<i>For &gt;10 To 20, Deduct</i>	-73.41	
			<i>For &gt;20 To 40, Deduct</i>	-132.35	
			<i>For &gt;40, Deduct</i>	-279.18	
26 56	13 00-0199	EA	20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,160.20	338.54
			<i>For Galvanized Finish, Add</i>	44.49	
			<i>For &gt;10 To 20, Deduct</i>	-76.25	
			<i>For &gt;20 To 40, Deduct</i>	-137.67	
			<i>For &gt;40, Deduct</i>	-290.18	
26 56	13 00-0200	EA	25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,564.42	451.39
			<i>For Galvanized Finish, Add</i>	49.85	
			<i>For &gt;10 To 20, Deduct</i>	-89.03	
			<i>For &gt;20 To 40, Deduct</i>	-161.45	
			<i>For &gt;40, Deduct</i>	-339.52	
26 56	13 00-0201	EA	30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,820.08	507.82
			<i>For Galvanized Finish, Add</i>	54.13	
			<i>For &gt;10 To 20, Deduct</i>	-97.57	
			<i>For &gt;20 To 40, Deduct</i>	-177.09	
			<i>For &gt;40, Deduct</i>	-372.23	
26 56	13 00-0202	EA	20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,335.97	338.54
			<i>For Galvanized Finish, Add</i>	49.77	
			<i>For &gt;10 To 20, Deduct</i>	-83.28	
			<i>For &gt;20 To 40, Deduct</i>	-149.98	
			<i>For &gt;40, Deduct</i>	-316.54	
26 56	13 00-0203	EA	25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,600.12	451.39
			<i>For Galvanized Finish, Add</i>	50.92	
			<i>For &gt;10 To 20, Deduct</i>	-90.46	
			<i>For &gt;20 To 40, Deduct</i>	-163.95	
			<i>For &gt;40, Deduct</i>	-344.88	
26 56	13 00-0204	EA	30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,888.74	507.82
			<i>For Galvanized Finish, Add</i>	56.19	
			<i>For &gt;10 To 20, Deduct</i>	-100.32	
			<i>For &gt;20 To 40, Deduct</i>	-181.90	
			<i>For &gt;40, Deduct</i>	-382.53	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0205 Round Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0205)</small>		
26 56 13 00-0207 EA 20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	2,956.68	338.54
For Galvanized Finish, Add	68.39	
For >10 To 20, Deduct	-108.11	
For >20 To 40, Deduct	-193.43	
For >40, Deduct	-409.65	
26 56 13 00-0208 EA 20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	3,041.82	338.54
For Galvanized Finish, Add	70.94	
For >10 To 20, Deduct	-111.52	
For >20 To 40, Deduct	-199.39	
For >40, Deduct	-422.42	
26 56 13 00-0209 EA 25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	3,454.28	451.39
For Galvanized Finish, Add	76.54	
For >10 To 20, Deduct	-124.63	
For >20 To 40, Deduct	-223.74	
For >40, Deduct	-473.00	
26 56 13 00-0210 EA 25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	3,630.05	451.39
For Galvanized Finish, Add	81.82	
For >10 To 20, Deduct	-131.66	
For >20 To 40, Deduct	-236.05	
For >40, Deduct	-499.37	
26 56 13 00-0211 EA 30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	3,841.77	507.82
For Galvanized Finish, Add	84.78	
For >10 To 20, Deduct	-138.44	
For >20 To 40, Deduct	-248.61	
For >40, Deduct	-525.48	
26 56 13 00-0212 EA 30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	4,135.64	507.82
For Galvanized Finish, Add	93.60	
For >10 To 20, Deduct	-150.19	
For >20 To 40, Deduct	-269.18	
For >40, Deduct	-569.56	
26 56 13 00-0213 EA 35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	4,252.49	536.04
For Galvanized Finish, Add	95.41	
For >10 To 20, Deduct	-154.02	
For >20 To 40, Deduct	-276.23	
For >40, Deduct	-584.27	
26 56 13 00-0214 EA 35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	4,433.76	536.04
For Galvanized Finish, Add	100.85	
For >10 To 20, Deduct	-161.27	
For >20 To 40, Deduct	-288.92	
For >40, Deduct	-611.46	
26 56 13 00-0215 EA 35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	4,867.71	536.04
For Galvanized Finish, Add	113.87	
For >10 To 20, Deduct	-178.63	
For >20 To 40, Deduct	-319.30	
For >40, Deduct	-676.55	
26 56 13 00-0216 EA 39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	4,891.17	564.25
For Galvanized Finish, Add	112.88	
For >10 To 20, Deduct	-178.72	
For >20 To 40, Deduct	-319.81	
For >40, Deduct	-677.25	
26 56 13 00-0217 EA 39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	4,968.07	564.25
For Galvanized Finish, Add	115.19	
For >10 To 20, Deduct	-181.80	
For >20 To 40, Deduct	-325.20	
For >40, Deduct	-688.79	
26 56 13 00-0218 EA 45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	6,786.98	733.52
For Galvanized Finish, Add	159.60	
For >10 To 20, Deduct	-249.47	
For >20 To 40, Deduct	-445.75	
For >40, Deduct	-944.69	
26 56 13 00-0219 EA 50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	6,996.19	846.37
For Galvanized Finish, Add	159.10	
For >10 To 20, Deduct	-254.46	
For >20 To 40, Deduct	-455.88	
For >40, Deduct	-964.79	
26 56 13 00-0220 EA 25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	4,822.03	451.39
For Galvanized Finish, Add	117.58	
For >10 To 20, Deduct	-179.34	
For >20 To 40, Deduct	-319.49	
For >40, Deduct	-678.16	
26 56 13 00-0221 EA 30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	5,478.67	507.82
For Galvanized Finish, Add	133.89	
For >10 To 20, Deduct	-203.91	
For >20 To 40, Deduct	-363.19	
For >40, Deduct	-771.02	
26 56 13 00-0222 EA 39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	6,371.52	564.25
For Galvanized Finish, Add	157.29	
For >10 To 20, Deduct	-237.93	
For >20 To 40, Deduct	-423.44	
For >40, Deduct	-899.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	7,643.88	733.52
			<i>For Galvanized Finish, Add</i>	185.30	
			<i>For &gt;10 To 20, Deduct</i>	-283.75	
			<i>For &gt;20 To 40, Deduct</i>	-505.73	
			<i>For &gt;40, Deduct</i>	-1,073.23	
26 56	13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	8,929.71	846.37
			<i>For Galvanized Finish, Add</i>	217.11	
			<i>For &gt;10 To 20, Deduct</i>	-331.80	
			<i>For &gt;20 To 40, Deduct</i>	-591.22	
			<i>For &gt;40, Deduct</i>	-1,254.82	
26 56	13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	10,047.53	846.37
			<i>For Galvanized Finish, Add</i>	250.64	
			<i>For &gt;10 To 20, Deduct</i>	-376.51	
			<i>For &gt;20 To 40, Deduct</i>	-669.47	
			<i>For &gt;40, Deduct</i>	-1,422.49	
26 56	13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	13,782.74	846.37
			<i>For Galvanized Finish, Add</i>	362.70	
			<i>For &gt;10 To 20, Deduct</i>	-525.92	
			<i>For &gt;20 To 40, Deduct</i>	-930.94	
			<i>For &gt;40, Deduct</i>	-1,982.77	
26 56	13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	15,595.42	846.37
			<i>For Galvanized Finish, Add</i>	417.08	
			<i>For &gt;10 To 20, Deduct</i>	-598.43	
			<i>For &gt;20 To 40, Deduct</i>	-1,057.82	
			<i>For &gt;40, Deduct</i>	-2,254.68	
26 56	13 00-0228		<b>Square Straight, Steel Area Light Poles</b> <small>(26 56 13 00-0178)</small>		
26 56	13 00-0229		<b>Square Straight, Steel Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0228)</small>		
26 56	13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,364.48	197.48
			<i>For Galvanized Finish, Add</i>	29.09	
			<i>For &gt;10 To 20, Deduct</i>	-48.65	
			<i>For &gt;20 To 40, Deduct</i>	-87.61	
			<i>For &gt;40, Deduct</i>	-184.92	
26 56	13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,420.90	225.70
			<i>For Galvanized Finish, Add</i>	29.09	
			<i>For &gt;10 To 20, Deduct</i>	-50.07	
			<i>For &gt;20 To 40, Deduct</i>	-90.44	
			<i>For &gt;40, Deduct</i>	-190.57	
26 56	13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,524.02	253.91
			<i>For Galvanized Finish, Add</i>	30.49	
			<i>For &gt;10 To 20, Deduct</i>	-53.34	
			<i>For &gt;20 To 40, Deduct</i>	-96.53	
			<i>For &gt;40, Deduct</i>	-203.21	
26 56	13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,618.15	268.02
			<i>For Galvanized Finish, Add</i>	32.46	
			<i>For &gt;10 To 20, Deduct</i>	-56.69	
			<i>For &gt;20 To 40, Deduct</i>	-102.55	
			<i>For &gt;40, Deduct</i>	-215.92	
26 56	13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,646.36	282.13
			<i>For Galvanized Finish, Add</i>	32.46	
			<i>For &gt;10 To 20, Deduct</i>	-57.39	
			<i>For &gt;20 To 40, Deduct</i>	-103.96	
			<i>For &gt;40, Deduct</i>	-218.74	
26 56	13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,732.99	310.34
			<i>For Galvanized Finish, Add</i>	33.37	
			<i>For &gt;10 To 20, Deduct</i>	-60.01	
			<i>For &gt;20 To 40, Deduct</i>	-108.90	
			<i>For &gt;40, Deduct</i>	-228.92	
26 56	13 00-0236	EA	20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,814.14	338.54
			<i>For Galvanized Finish, Add</i>	34.11	
			<i>For &gt;10 To 20, Deduct</i>	-62.41	
			<i>For &gt;20 To 40, Deduct</i>	-113.45	
			<i>For &gt;40, Deduct</i>	-238.27	
26 56	13 00-0237	EA	25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,204.63	451.39
			<i>For Galvanized Finish, Add</i>	39.05	
			<i>For &gt;10 To 20, Deduct</i>	-74.64	
			<i>For &gt;20 To 40, Deduct</i>	-136.27	
			<i>For &gt;40, Deduct</i>	-285.55	
26 56	13 00-0238	EA	20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,184.92	338.54
			<i>For Galvanized Finish, Add</i>	45.23	
			<i>For &gt;10 To 20, Deduct</i>	-77.24	
			<i>For &gt;20 To 40, Deduct</i>	-139.40	
			<i>For &gt;40, Deduct</i>	-293.88	
26 56	13 00-0239	EA	25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,715.48	451.39
			<i>For Galvanized Finish, Add</i>	54.38	
			<i>For &gt;10 To 20, Deduct</i>	-95.08	
			<i>For &gt;20 To 40, Deduct</i>	-172.03	
			<i>For &gt;40, Deduct</i>	-362.18	
26 56	13 00-0240	EA	30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,127.68	507.82
			<i>For Galvanized Finish, Add</i>	63.36	
			<i>For &gt;10 To 20, Deduct</i>	-109.87	
			<i>For &gt;20 To 40, Deduct</i>	-198.62	
			<i>For &gt;40, Deduct</i>	-418.37	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0241	EA	20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,083.30 42.19 -73.18 -132.29 -278.64	338.54
26 56	13 00-0242	EA	25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,517.73 48.45 -87.17 -158.19 -332.52	451.39
26 56	13 00-0243	EA	30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,957.40 58.25 -103.06 -186.71 -392.83	507.82
26 56	13 00-0244	EA	20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,432.10 52.65 -87.13 -156.71 -330.96	338.54
26 56	13 00-0245	EA	25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,962.66 61.80 -104.96 -189.33 -399.26	451.39
26 56	13 00-0246	EA	30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,361.13 70.36 -119.21 -214.97 -453.39	507.82
26 56	13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,758.13 80.58 -134.24 -241.63 -510.12	536.04
26 56	13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,902.19 86.60 -140.85 -252.84 -534.55	507.82
26 56	13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,301.93 96.90 -156.00 -279.69 -591.69	536.04
26 56	13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,553.35 102.75 -165.21 -296.16 -626.58	564.25
26 56	13 00-0251		Hinged, Square Straight, Steel Area Light Poles (26 56 13 00-0178)		
26 56	13 00-0252		Hinged, Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0251)		
26 56	13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	5,231.34 136.63 -199.10 -352.65 -750.85	338.54
26 56	13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	5,766.69 145.92 -217.13 -385.61 -819.86	451.39
26 56	13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	8,193.17 215.33 -312.49 -553.21 -1,178.19	507.82
26 56	13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	5,342.35 139.96 -203.54 -360.42 -767.50	338.54
26 56	13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	6,412.29 165.28 -242.95 -430.80 -916.70	451.39
26 56	13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	9,154.26 244.16 -350.94 -620.49 -1,322.36	507.82

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0259	EA 35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	10,551.55 284.38 -405.98 -717.17 -1,529.13	536.04
26 56 13 00-0260	EA 39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	12,468.81 340.21 -481.83 -850.25 -1,813.90	564.25
26 56 13 00-0261	EA 20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,056.06 131.37 -192.09 -340.38 -724.55	338.54
26 56 13 00-0262	EA 25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,486.25 137.50 -205.91 -365.98 -777.80	451.39
26 56 13 00-0263	EA 30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	7,699.47 200.51 -292.74 -518.65 -1,104.14	507.82
26 56 13 00-0264	EA 20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,257.63 137.42 -200.15 -354.49 -754.79	338.54
26 56 13 00-0265	EA 25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	6,149.38 157.40 -232.43 -412.40 -877.27	451.39
26 56 13 00-0266	EA 30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base ..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	8,789.10 233.20 -336.33 -594.92 -1,267.58	507.82
26 56 13 00-0267	EA 20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,567.28 146.71 -212.53 -376.17 -801.24	338.54
26 56 13 00-0268	EA 25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	6,707.34 174.14 -254.75 -451.46 -960.96	451.39
26 56 13 00-0269	EA 30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	9,446.38 252.92 -362.62 -640.93 -1,366.18	507.82
26 56 13 00-0270	EA 35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	10,907.94 295.08 -420.24 -742.11 -1,582.59	536.04
26 56 13 00-0271	EA 39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	12,658.69 345.91 -489.42 -863.54 -1,842.38	564.25
26 56 13 00-0272	Square Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0273	Square Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0272)</small>		
26 56 13 00-0274	EA 20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base ..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,882.24 96.15 -145.13 -258.21 -548.48	338.54
26 56 13 00-0275	EA 25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base ..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,673.72 113.13 -173.41 -309.10 -655.92	451.39
26 56 13 00-0276	EA 30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base ..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,195.78 125.40 -192.60 -343.39 -728.59	507.82



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0277	EA		35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	5,793.27	536.04
			<i>For Galvanized Finish, Add</i>	141.64	
			<i>For &gt;10 To 20, Deduct</i>	-215.65	
			<i>For &gt;20 To 40, Deduct</i>	-384.09	
			<i>For &gt;40, Deduct</i>	-815.39	
26 56 13 00-0278	EA		39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	6,107.86	564.25
			<i>For Galvanized Finish, Add</i>	149.38	
			<i>For &gt;10 To 20, Deduct</i>	-227.39	
			<i>For &gt;20 To 40, Deduct</i>	-404.98	
			<i>For &gt;40, Deduct</i>	-859.75	
26 56 13 00-0279	EA		20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	5,115.41	338.54
			<i>For Galvanized Finish, Add</i>	133.15	
			<i>For &gt;10 To 20, Deduct</i>	-194.46	
			<i>For &gt;20 To 40, Deduct</i>	-344.54	
			<i>For &gt;40, Deduct</i>	-733.46	
26 56 13 00-0280	EA		25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	5,640.48	451.39
			<i>For Galvanized Finish, Add</i>	142.13	
			<i>For &gt;10 To 20, Deduct</i>	-212.08	
			<i>For &gt;20 To 40, Deduct</i>	-376.78	
			<i>For &gt;40, Deduct</i>	-800.93	
26 56 13 00-0281	EA		30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	5,986.77	507.82
			<i>For Galvanized Finish, Add</i>	149.13	
			<i>For &gt;10 To 20, Deduct</i>	-224.24	
			<i>For &gt;20 To 40, Deduct</i>	-398.76	
			<i>For &gt;40, Deduct</i>	-847.23	
26 56 13 00-0282	EA		30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	6,711.84	507.82
			<i>For Galvanized Finish, Add</i>	170.89	
			<i>For &gt;10 To 20, Deduct</i>	-253.24	
			<i>For &gt;20 To 40, Deduct</i>	-449.52	
			<i>For &gt;40, Deduct</i>	-955.99	
26 56 13 00-0283	EA		35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	7,290.10	536.04
			<i>For Galvanized Finish, Add</i>	186.54	
			<i>For &gt;10 To 20, Deduct</i>	-275.52	
			<i>For &gt;20 To 40, Deduct</i>	-488.87	
			<i>For &gt;40, Deduct</i>	-1,039.91	
26 56 13 00-0284	EA		35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	8,188.20	536.04
			<i>For Galvanized Finish, Add</i>	213.48	
			<i>For &gt;10 To 20, Deduct</i>	-311.45	
			<i>For &gt;20 To 40, Deduct</i>	-551.73	
			<i>For &gt;40, Deduct</i>	-1,174.63	
26 56 13 00-0285	EA		39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	7,387.72	564.25
			<i>For Galvanized Finish, Add</i>	187.78	
			<i>For &gt;10 To 20, Deduct</i>	-278.58	
			<i>For &gt;20 To 40, Deduct</i>	-494.57	
			<i>For &gt;40, Deduct</i>	-1,051.73	
26 56 13 00-0286	EA		39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	9,598.63	564.25
			<i>For Galvanized Finish, Add</i>	254.10	
			<i>For &gt;10 To 20, Deduct</i>	-367.02	
			<i>For &gt;20 To 40, Deduct</i>	-649.33	
			<i>For &gt;40, Deduct</i>	-1,383.37	
26 56 13 00-0287	EA		45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	8,657.33	733.52
			<i>For Galvanized Finish, Add</i>	215.71	
			<i>For &gt;10 To 20, Deduct</i>	-324.29	
			<i>For &gt;20 To 40, Deduct</i>	-576.67	
			<i>For &gt;40, Deduct</i>	-1,225.25	
26 56 13 00-0288	EA		45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	10,165.15	733.52
			<i>For Galvanized Finish, Add</i>	260.94	
			<i>For &gt;10 To 20, Deduct</i>	-384.60	
			<i>For &gt;20 To 40, Deduct</i>	-682.22	
			<i>For &gt;40, Deduct</i>	-1,451.42	
26 56 13 00-0289	EA		50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	10,467.74	846.37
			<i>For Galvanized Finish, Add</i>	263.25	
			<i>For &gt;10 To 20, Deduct</i>	-393.32	
			<i>For &gt;20 To 40, Deduct</i>	-698.89	
			<i>For &gt;40, Deduct</i>	-1,485.52	
<b>26 56 13 00-0290</b>			<b>Factory Accessories For Steel Area Light Poles</b> <small>(26 56 13 00-0178)</small>		
	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles.....	97.38	
	EA		Extra Handhole For Steel Area Light Poles .....	144.81	
	EA		Vibration Dampener For Steel Area Light Poles .....	147.31	
<b>26 56 13 00-0294</b>			<b>Aluminum Area Light Poles</b> <small>(26 56 13 00-0177)</small>		
			Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
<b>26 56 13 00-0295</b>			<b>Round Straight, Aluminum Area Light Poles</b> <small>(26 56 13 00-0294)</small>		
<b>26 56 13 00-0296</b>			<b>Round Straight, Aluminum Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0295)</small>		
	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....	669.08	169.28
			<i>For Bronze Or Satin Anodized Finish, Add</i>	33.05	
			<i>For Black Anodized Finish, Add</i>	66.11	
			<i>For &gt;10 To 20, Deduct</i>	-21.69	
			<i>For &gt;20 To 40, Deduct</i>	-40.06	
			<i>For &gt;40, Deduct</i>	-83.44	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0298	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....	742.47	197.48
			<i>For Bronze Or Satin Anodized Finish, Add</i>	34.75	
			<i>For Black Anodized Finish, Add</i>	69.50	
			<i>For &gt;10 To 20, Deduct</i>	-23.77	
			<i>For &gt;20 To 40, Deduct</i>	-44.07	
			<i>For &gt;40, Deduct</i>	-91.62	
26 56 13 00-0299	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....	820.07	225.70
			<i>For Bronze Or Satin Anodized Finish, Add</i>	36.87	
			<i>For Black Anodized Finish, Add</i>	73.74	
			<i>For &gt;10 To 20, Deduct</i>	-26.03	
			<i>For &gt;20 To 40, Deduct</i>	-48.38	
			<i>For &gt;40, Deduct</i>	-100.44	
26 56 13 00-0300	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....	898.54	253.91
			<i>For Bronze Or Satin Anodized Finish, Add</i>	39.07	
			<i>For Black Anodized Finish, Add</i>	78.14	
			<i>For &gt;10 To 20, Deduct</i>	-28.32	
			<i>For &gt;20 To 40, Deduct</i>	-52.74	
			<i>For &gt;40, Deduct</i>	-109.39	
26 56 13 00-0301	EA		15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....	941.17	268.02
			<i>For Bronze Or Satin Anodized Finish, Add</i>	40.51	
			<i>For Black Anodized Finish, Add</i>	81.03	
			<i>For &gt;10 To 20, Deduct</i>	-29.61	
			<i>For &gt;20 To 40, Deduct</i>	-55.16	
			<i>For &gt;40, Deduct</i>	-114.37	
26 56 13 00-0302	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....	982.94	282.13
			<i>For Bronze Or Satin Anodized Finish, Add</i>	41.87	
			<i>For Black Anodized Finish, Add</i>	83.74	
			<i>For &gt;10 To 20, Deduct</i>	-30.85	
			<i>For &gt;20 To 40, Deduct</i>	-57.52	
			<i>For &gt;40, Deduct</i>	-119.23	
26 56 13 00-0303	EA		16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,033.79	282.13
			<i>For Bronze Or Satin Anodized Finish, Add</i>	46.95	
			<i>For Black Anodized Finish, Add</i>	93.91	
			<i>For &gt;10 To 20, Deduct</i>	-32.89	
			<i>For &gt;20 To 40, Deduct</i>	-61.08	
			<i>For &gt;40, Deduct</i>	-126.86	
26 56 13 00-0304	EA		18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,122.42	310.34
			<i>For Bronze Or Satin Anodized Finish, Add</i>	50.18	
			<i>For Black Anodized Finish, Add</i>	100.35	
			<i>For &gt;10 To 20, Deduct</i>	-35.59	
			<i>For &gt;20 To 40, Deduct</i>	-66.16	
			<i>For &gt;40, Deduct</i>	-137.33	
26 56 13 00-0305	EA		20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,205.97	338.54
			<i>For Bronze Or Satin Anodized Finish, Add</i>	52.89	
			<i>For Black Anodized Finish, Add</i>	105.77	
			<i>For &gt;10 To 20, Deduct</i>	-38.08	
			<i>For &gt;20 To 40, Deduct</i>	-70.88	
			<i>For &gt;40, Deduct</i>	-147.04	
26 56 13 00-0306	EA		15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,128.48	268.02
			<i>For Bronze Or Satin Anodized Finish, Add</i>	59.24	
			<i>For Black Anodized Finish, Add</i>	118.49	
			<i>For &gt;10 To 20, Deduct</i>	-37.10	
			<i>For &gt;20 To 40, Deduct</i>	-68.27	
			<i>For &gt;40, Deduct</i>	-142.47	
26 56 13 00-0307	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,393.28	338.54
			<i>For Bronze Or Satin Anodized Finish, Add</i>	71.62	
			<i>For Black Anodized Finish, Add</i>	143.24	
			<i>For &gt;10 To 20, Deduct</i>	-45.57	
			<i>For &gt;20 To 40, Deduct</i>	-83.99	
			<i>For &gt;40, Deduct</i>	-175.14	
26 56 13 00-0308	EA		20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,488.21	338.54
			<i>For Bronze Or Satin Anodized Finish, Add</i>	81.11	
			<i>For Black Anodized Finish, Add</i>	162.22	
			<i>For &gt;10 To 20, Deduct</i>	-49.37	
			<i>For &gt;20 To 40, Deduct</i>	-90.63	
			<i>For &gt;40, Deduct</i>	-189.38	
26 56 13 00-0309	EA		25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,802.90	451.39
			<i>For Bronze Or Satin Anodized Finish, Add</i>	90.01	
			<i>For Black Anodized Finish, Add</i>	180.02	
			<i>For &gt;10 To 20, Deduct</i>	-58.57	
			<i>For &gt;20 To 40, Deduct</i>	-108.15	
			<i>For &gt;40, Deduct</i>	-225.30	
26 56 13 00-0310	EA		30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	2,084.40	507.82
			<i>For Bronze Or Satin Anodized Finish, Add</i>	106.88	
			<i>For Black Anodized Finish, Add</i>	213.75	
			<i>For &gt;10 To 20, Deduct</i>	-68.14	
			<i>For &gt;20 To 40, Deduct</i>	-125.60	
			<i>For &gt;40, Deduct</i>	-261.88	
26 56 13 00-0311	EA		20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,264.45	338.54
			<i>For Bronze Or Satin Anodized Finish, Add</i>	58.74	
			<i>For Black Anodized Finish, Add</i>	117.47	
			<i>For &gt;10 To 20, Deduct</i>	-40.42	
			<i>For &gt;20 To 40, Deduct</i>	-74.97	
			<i>For &gt;40, Deduct</i>	-155.81	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0312 EA 20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,480.58	338.54
For Bronze Or Satin Anodized Finish, Add	80.35	
For Black Anodized Finish, Add	160.70	
For >10 To 20, Deduct	-49.07	
For >20 To 40, Deduct	-90.10	
For >40, Deduct	-188.23	
26 56 13 00-0313 EA 25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,789.34	451.39
For Bronze Or Satin Anodized Finish, Add	88.65	
For Black Anodized Finish, Add	177.31	
For >10 To 20, Deduct	-58.03	
For >20 To 40, Deduct	-107.20	
For >40, Deduct	-223.26	
26 56 13 00-0314 EA 25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,912.23	451.39
For Bronze Or Satin Anodized Finish, Add	100.94	
For Black Anodized Finish, Add	201.89	
For >10 To 20, Deduct	-62.95	
For >20 To 40, Deduct	-115.80	
For >40, Deduct	-241.69	
26 56 13 00-0315 EA 30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base .....	2,223.40	507.82
For Bronze Or Satin Anodized Finish, Add	120.78	
For Black Anodized Finish, Add	241.55	
For >10 To 20, Deduct	-73.70	
For >20 To 40, Deduct	-135.33	
For >40, Deduct	-282.73	
<b>26 56 13 00-0316 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base</b> <small>(26 56 13 00-0295)</small>		
26 56 13 00-0317 EA 8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	755.53	169.28
For Bronze, Satin Or Black Anodized Finish, Add	62.55	
For >10 To 20, Deduct	-25.14	
For >20 To 40, Deduct	-46.12	
For >40, Deduct	-96.40	
26 56 13 00-0318 EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	845.87	197.48
For Bronze, Satin Or Black Anodized Finish, Add	67.64	
For >10 To 20, Deduct	-27.91	
For >20 To 40, Deduct	-51.31	
For >40, Deduct	-107.13	
26 56 13 00-0319 EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	932.80	225.70
For Bronze, Satin Or Black Anodized Finish, Add	72.21	
For >10 To 20, Deduct	-30.54	
For >20 To 40, Deduct	-56.27	
For >40, Deduct	-117.35	
26 56 13 00-0320 EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,003.64	253.91
For Bronze, Satin Or Black Anodized Finish, Add	74.37	
For >10 To 20, Deduct	-32.53	
For >20 To 40, Deduct	-60.10	
For >40, Deduct	-125.16	
26 56 13 00-0321 EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,084.65	282.13
For Bronze, Satin Or Black Anodized Finish, Add	78.06	
For >10 To 20, Deduct	-34.92	
For >20 To 40, Deduct	-64.64	
For >40, Deduct	-134.49	
26 56 13 00-0322 EA 10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	863.67	197.48
For Bronze, Satin Or Black Anodized Finish, Add	70.31	
For >10 To 20, Deduct	-28.62	
For >20 To 40, Deduct	-52.56	
For >40, Deduct	-109.80	
26 56 13 00-0323 EA 12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	948.90	225.70
For Bronze, Satin Or Black Anodized Finish, Add	74.63	
For >10 To 20, Deduct	-31.19	
For >20 To 40, Deduct	-57.40	
For >40, Deduct	-119.77	
26 56 13 00-0324 EA 14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,036.69	253.91
For Bronze, Satin Or Black Anodized Finish, Add	79.33	
For >10 To 20, Deduct	-33.85	
For >20 To 40, Deduct	-62.41	
For >40, Deduct	-130.11	
26 56 13 00-0325 EA 16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,123.63	282.13
For Bronze, Satin Or Black Anodized Finish, Add	83.91	
For >10 To 20, Deduct	-36.48	
For >20 To 40, Deduct	-67.37	
For >40, Deduct	-140.33	
26 56 13 00-0326 EA 18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,214.80	310.34
For Bronze, Satin Or Black Anodized Finish, Add	89.12	
For >10 To 20, Deduct	-39.28	
For >20 To 40, Deduct	-72.62	
For >40, Deduct	-151.19	
26 56 13 00-0327 EA 20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,300.90	338.54
For Bronze, Satin Or Black Anodized Finish, Add	93.57	
For >10 To 20, Deduct	-41.88	
For >20 To 40, Deduct	-77.52	
For >40, Deduct	-161.28	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0328	EA		12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	981.96 79.59 -32.51 -59.71 -124.72	225.70
26 56 13 00-0329	EA		14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,075.68 85.18 -35.41 -65.14 -135.96	253.91
26 56 13 00-0330	EA		16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,168.55 90.65 -38.28 -70.51 -147.07	282.13
26 56 13 00-0331	EA		18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,263.11 96.37 -41.21 -76.00 -158.43	310.34
26 56 13 00-0332	EA		16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,216.02 97.77 -40.18 -73.84 -154.19	282.13
26 56 13 00-0333	EA		20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,411.93 110.22 -46.32 -85.29 -177.93	338.54
26 56 13 00-0334	EA		12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,013.32 84.29 -33.76 -61.90 -129.43	225.70
26 56 13 00-0335	EA		14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,116.36 91.28 -37.04 -67.99 -142.06	253.91
26 56 13 00-0336	EA		16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,210.93 97.00 -39.97 -73.48 -153.43	282.13
26 56 13 00-0337	EA		18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,310.58 103.49 -43.11 -79.33 -165.55	310.34
26 56 13 00-0338	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,407.69 109.59 -46.15 -85.00 -177.30	338.54
26 56 13 00-0339	EA		16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,272.80 106.28 -42.45 -77.81 -162.71	282.13
26 56 13 00-0340	EA		18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,380.07 113.91 -45.89 -84.19 -175.98	310.34
26 56 13 00-0341	EA		20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,433.96 113.53 -47.20 -86.84 -181.24	338.54
26 56 13 00-0342			<b>Round Straight, Aluminum Area Light Poles, Direct Burial</b> <small>(26 56 13 00-0295)</small> Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0343	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	594.03 31.19 62.38 -19.53 -35.94 -75.00	141.06
26 56 13 00-0344	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	638.34 32.80 65.60 -20.88 -38.48 -80.23	155.17



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0345 EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial .....	704.68	169.28
For Bronze Or Satin Anodized Finish, Add	36.61	
For Black Anodized Finish, Add	73.23	
For >10 To 20, Deduct	-23.11	
For >20 To 40, Deduct	-42.56	
For >40, Deduct	-88.78	
26 56 13 00-0346 EA 15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial .....	724.18	169.28
For Bronze Or Satin Anodized Finish, Add	38.56	
For Black Anodized Finish, Add	77.13	
For >10 To 20, Deduct	-23.89	
For >20 To 40, Deduct	-43.92	
For >40, Deduct	-91.70	
26 56 13 00-0347 EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial .....	748.75	169.28
For Bronze Or Satin Anodized Finish, Add	41.02	
For Black Anodized Finish, Add	82.04	
For >10 To 20, Deduct	-24.87	
For >20 To 40, Deduct	-45.64	
For >40, Deduct	-95.39	
26 56 13 00-0348 EA 18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial .....	851.56	183.38
For Bronze Or Satin Anodized Finish, Add	48.48	
For Black Anodized Finish, Add	96.96	
For >10 To 20, Deduct	-28.56	
For >20 To 40, Deduct	-52.27	
For >40, Deduct	-109.40	
26 56 13 00-0349 EA 20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial .....	911.13	197.48
For Bronze Or Satin Anodized Finish, Add	51.62	
For Black Anodized Finish, Add	103.23	
For >10 To 20, Deduct	-30.52	
For >20 To 40, Deduct	-55.88	
For >40, Deduct	-116.92	
26 56 13 00-0350 EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial .....	1,042.50	197.48
For Bronze Or Satin Anodized Finish, Add	64.75	
For Black Anodized Finish, Add	129.51	
For >10 To 20, Deduct	-35.78	
For >20 To 40, Deduct	-65.08	
For >40, Deduct	-136.63	
26 56 13 00-0351 EA 25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial .....	1,267.58	225.70
For Bronze Or Satin Anodized Finish, Add	81.62	
For Black Anodized Finish, Add	163.24	
For >10 To 20, Deduct	-43.93	
For >20 To 40, Deduct	-79.70	
For >40, Deduct	-167.57	
26 56 13 00-0352 EA 30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial .....	1,437.58	253.91
For Bronze Or Satin Anodized Finish, Add	92.98	
For Black Anodized Finish, Add	185.95	
For >10 To 20, Deduct	-49.89	
For >20 To 40, Deduct	-90.47	
For >40, Deduct	-190.25	
26 56 13 00-0353 EA 30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial .....	1,592.68	253.91
For Bronze Or Satin Anodized Finish, Add	108.49	
For Black Anodized Finish, Add	216.97	
For >10 To 20, Deduct	-56.09	
For >20 To 40, Deduct	-101.33	
For >40, Deduct	-213.51	
<b>26 56 13 00-0354 Round Tapered, Aluminum Area Light Poles</b> <small>(26 56 13 00-0294)</small>		
<b>26 56 13 00-0355 Round Tapered, Aluminum Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0354)</small>		
26 56 13 00-0356 EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	578.40	169.28
For Bronze Or Satin Anodized Finish, Add	23.99	
For Black Anodized Finish, Add	47.97	
For >10 To 20, Deduct	-18.06	
For >20 To 40, Deduct	-33.72	
For >40, Deduct	-69.83	
26 56 13 00-0357 EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	654.32	197.48
For Bronze Or Satin Anodized Finish, Add	25.94	
For Black Anodized Finish, Add	51.87	
For >10 To 20, Deduct	-20.25	
For >20 To 40, Deduct	-37.90	
For >40, Deduct	-78.40	
26 56 13 00-0358 EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	730.23	225.70
For Bronze Or Satin Anodized Finish, Add	27.88	
For Black Anodized Finish, Add	55.77	
For >10 To 20, Deduct	-22.44	
For >20 To 40, Deduct	-42.09	
For >40, Deduct	-86.97	
26 56 13 00-0359 EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	813.79	253.91
For Bronze Or Satin Anodized Finish, Add	30.60	
For Black Anodized Finish, Add	61.19	
For >10 To 20, Deduct	-24.93	
For >20 To 40, Deduct	-46.81	
For >40, Deduct	-96.68	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0360	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	896.49	282.13
			<i>For Bronze Or Satin Anodized Finish, Add</i>	33.22	
			<i>For Black Anodized Finish, Add</i>	66.45	
			<i>For &gt;10 To 20, Deduct</i>	-27.40	
			<i>For &gt;20 To 40, Deduct</i>	-51.47	
			<i>For &gt;40, Deduct</i>	-106.26	
26 56 13 00-0361	EA		10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	676.36	197.48
			<i>For Bronze Or Satin Anodized Finish, Add</i>	28.14	
			<i>For Black Anodized Finish, Add</i>	56.28	
			<i>For &gt;10 To 20, Deduct</i>	-21.13	
			<i>For &gt;20 To 40, Deduct</i>	-39.45	
			<i>For &gt;40, Deduct</i>	-81.71	
26 56 13 00-0362	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	764.98	225.70
			<i>For Bronze Or Satin Anodized Finish, Add</i>	31.36	
			<i>For Black Anodized Finish, Add</i>	62.72	
			<i>For &gt;10 To 20, Deduct</i>	-23.83	
			<i>For &gt;20 To 40, Deduct</i>	-44.52	
			<i>For &gt;40, Deduct</i>	-92.18	
26 56 13 00-0363	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	851.08	253.91
			<i>For Bronze Or Satin Anodized Finish, Add</i>	34.33	
			<i>For Black Anodized Finish, Add</i>	68.65	
			<i>For &gt;10 To 20, Deduct</i>	-26.43	
			<i>For &gt;20 To 40, Deduct</i>	-49.42	
			<i>For &gt;40, Deduct</i>	-102.27	
26 56 13 00-0364	EA		18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,017.32	310.34
			<i>For Bronze Or Satin Anodized Finish, Add</i>	39.67	
			<i>For Black Anodized Finish, Add</i>	79.33	
			<i>For &gt;10 To 20, Deduct</i>	-31.38	
			<i>For &gt;20 To 40, Deduct</i>	-58.80	
			<i>For &gt;40, Deduct</i>	-121.56	
26 56 13 00-0365	EA		20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,094.94	338.54
			<i>For Bronze Or Satin Anodized Finish, Add</i>	41.78	
			<i>For Black Anodized Finish, Add</i>	83.57	
			<i>For &gt;10 To 20, Deduct</i>	-33.64	
			<i>For &gt;20 To 40, Deduct</i>	-63.10	
			<i>For &gt;40, Deduct</i>	-130.39	
26 56 13 00-0366	EA		12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	796.34	225.70
			<i>For Bronze Or Satin Anodized Finish, Add</i>	34.50	
			<i>For Black Anodized Finish, Add</i>	68.99	
			<i>For &gt;10 To 20, Deduct</i>	-25.08	
			<i>For &gt;20 To 40, Deduct</i>	-46.72	
			<i>For &gt;40, Deduct</i>	-96.88	
26 56 13 00-0367	EA		14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	887.52	253.91
			<i>For Bronze Or Satin Anodized Finish, Add</i>	37.97	
			<i>For Black Anodized Finish, Add</i>	75.94	
			<i>For &gt;10 To 20, Deduct</i>	-27.88	
			<i>For &gt;20 To 40, Deduct</i>	-51.97	
			<i>For &gt;40, Deduct</i>	-107.74	
26 56 13 00-0368	EA		16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	984.63	282.13
			<i>For Bronze Or Satin Anodized Finish, Add</i>	42.04	
			<i>For Black Anodized Finish, Add</i>	84.08	
			<i>For &gt;10 To 20, Deduct</i>	-30.92	
			<i>For &gt;20 To 40, Deduct</i>	-57.64	
			<i>For &gt;40, Deduct</i>	-119.48	
26 56 13 00-0369	EA		18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,066.48	310.34
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.58	
			<i>For Black Anodized Finish, Add</i>	89.16	
			<i>For &gt;10 To 20, Deduct</i>	-33.35	
			<i>For &gt;20 To 40, Deduct</i>	-62.24	
			<i>For &gt;40, Deduct</i>	-128.94	
26 56 13 00-0370	EA		20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,160.20	338.54
			<i>For Bronze Or Satin Anodized Finish, Add</i>	48.31	
			<i>For Black Anodized Finish, Add</i>	96.62	
			<i>For &gt;10 To 20, Deduct</i>	-36.25	
			<i>For &gt;20 To 40, Deduct</i>	-67.67	
			<i>For &gt;40, Deduct</i>	-140.18	
26 56 13 00-0371	EA		16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,067.69	282.13
			<i>For Bronze Or Satin Anodized Finish, Add</i>	50.34	
			<i>For Black Anodized Finish, Add</i>	100.69	
			<i>For &gt;10 To 20, Deduct</i>	-34.24	
			<i>For &gt;20 To 40, Deduct</i>	-63.45	
			<i>For &gt;40, Deduct</i>	-131.94	
26 56 13 00-0372	EA		18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,172.43	310.34
			<i>For Bronze Or Satin Anodized Finish, Add</i>	55.18	
			<i>For Black Anodized Finish, Add</i>	110.35	
			<i>For &gt;10 To 20, Deduct</i>	-37.59	
			<i>For &gt;20 To 40, Deduct</i>	-69.66	
			<i>For &gt;40, Deduct</i>	-144.83	
26 56 13 00-0373	EA		20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,242.42	338.54
			<i>For Bronze Or Satin Anodized Finish, Add</i>	56.53	
			<i>For Black Anodized Finish, Add</i>	113.06	
			<i>For &gt;10 To 20, Deduct</i>	-39.54	
			<i>For &gt;20 To 40, Deduct</i>	-73.43	
			<i>For &gt;40, Deduct</i>	-152.51	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0374 EA 23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,430.70	394.97
For Bronze Or Satin Anodized Finish, Add	64.08	
For Black Anodized Finish, Add	128.15	
For >10 To 20, Deduct	-45.38	
For >20 To 40, Deduct	-84.35	
For >40, Deduct	-175.11	
26 56 13 00-0375 EA 25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,624.07	451.39
For Bronze Or Satin Anodized Finish, Add	72.13	
For Black Anodized Finish, Add	144.25	
For >10 To 20, Deduct	-51.42	
For >20 To 40, Deduct	-95.63	
For >40, Deduct	-198.47	
26 56 13 00-0376 EA 18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,255.49	310.34
For Bronze Or Satin Anodized Finish, Add	63.48	
For Black Anodized Finish, Add	126.96	
For >10 To 20, Deduct	-40.91	
For >20 To 40, Deduct	-75.47	
For >40, Deduct	-157.29	
26 56 13 00-0377 EA 20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,343.27	338.54
For Bronze Or Satin Anodized Finish, Add	66.62	
For Black Anodized Finish, Add	133.23	
For >10 To 20, Deduct	-43.57	
For >20 To 40, Deduct	-80.49	
For >40, Deduct	-167.64	
26 56 13 00-0378 EA 23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,510.37	394.97
For Bronze Or Satin Anodized Finish, Add	72.04	
For Black Anodized Finish, Add	144.08	
For >10 To 20, Deduct	-48.57	
For >20 To 40, Deduct	-89.93	
For >40, Deduct	-187.06	
26 56 13 00-0379 EA 25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,685.09	451.39
For Bronze Or Satin Anodized Finish, Add	78.23	
For Black Anodized Finish, Add	156.46	
For >10 To 20, Deduct	-53.86	
For >20 To 40, Deduct	-99.90	
For >40, Deduct	-207.62	
26 56 13 00-0380 EA 28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,810.15	479.61
For Bronze Or Satin Anodized Finish, Add	85.09	
For Black Anodized Finish, Add	170.19	
For >10 To 20, Deduct	-58.02	
For >20 To 40, Deduct	-107.53	
For >40, Deduct	-223.56	
26 56 13 00-0381 EA 30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,936.93	507.82
For Bronze Or Satin Anodized Finish, Add	92.13	
For Black Anodized Finish, Add	184.26	
For >10 To 20, Deduct	-62.24	
For >20 To 40, Deduct	-115.27	
For >40, Deduct	-239.76	
26 56 13 00-0382 EA 23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,589.19	394.97
For Bronze Or Satin Anodized Finish, Add	79.92	
For Black Anodized Finish, Add	159.85	
For >10 To 20, Deduct	-51.72	
For >20 To 40, Deduct	-95.44	
For >40, Deduct	-198.88	
26 56 13 00-0383 EA 25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,737.64	451.39
For Bronze Or Satin Anodized Finish, Add	83.48	
For Black Anodized Finish, Add	166.97	
For >10 To 20, Deduct	-55.96	
For >20 To 40, Deduct	-103.58	
For >40, Deduct	-215.51	
26 56 13 00-0384 EA 28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,866.94	479.61
For Bronze Or Satin Anodized Finish, Add	90.77	
For Black Anodized Finish, Add	181.55	
For >10 To 20, Deduct	-60.29	
For >20 To 40, Deduct	-111.50	
For >40, Deduct	-232.08	
26 56 13 00-0385 EA 30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,025.07	507.82
For Bronze Or Satin Anodized Finish, Add	100.94	
For Black Anodized Finish, Add	201.89	
For >10 To 20, Deduct	-65.77	
For >20 To 40, Deduct	-121.44	
For >40, Deduct	-252.98	
26 56 13 00-0386 EA 33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,091.43	521.93
For Bronze Or Satin Anodized Finish, Add	104.76	
For Black Anodized Finish, Add	209.51	
For >10 To 20, Deduct	-68.00	
For >20 To 40, Deduct	-125.52	
For >40, Deduct	-261.52	
26 56 13 00-0387 EA 35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,222.20	536.04
For Bronze Or Satin Anodized Finish, Add	115.01	
For Black Anodized Finish, Add	230.03	
For >10 To 20, Deduct	-72.81	
For >20 To 40, Deduct	-134.11	
For >40, Deduct	-279.73	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0388	EA		12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	831.09	225.70
			<i>For Bronze Or Satin Anodized Finish, Add</i>	37.97	
			<i>For Black Anodized Finish, Add</i>	75.94	
			<i>For &gt;10 To 20, Deduct</i>	-26.47	
			<i>For &gt;20 To 40, Deduct</i>	-49.15	
			<i>For &gt;40, Deduct</i>	-102.09	
26 56 13 00-0389	EA		14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	928.20	253.91
			<i>For Bronze Or Satin Anodized Finish, Add</i>	42.04	
			<i>For Black Anodized Finish, Add</i>	84.08	
			<i>For &gt;10 To 20, Deduct</i>	-29.51	
			<i>For &gt;20 To 40, Deduct</i>	-54.82	
			<i>For &gt;40, Deduct</i>	-113.84	
26 56 13 00-0390	EA		16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,028.71	282.13
			<i>For Bronze Or Satin Anodized Finish, Add</i>	46.45	
			<i>For Black Anodized Finish, Add</i>	92.89	
			<i>For &gt;10 To 20, Deduct</i>	-32.68	
			<i>For &gt;20 To 40, Deduct</i>	-60.72	
			<i>For &gt;40, Deduct</i>	-126.09	
26 56 13 00-0391	EA		18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,119.88	310.34
			<i>For Bronze Or Satin Anodized Finish, Add</i>	49.92	
			<i>For Black Anodized Finish, Add</i>	99.84	
			<i>For &gt;10 To 20, Deduct</i>	-35.49	
			<i>For &gt;20 To 40, Deduct</i>	-65.98	
			<i>For &gt;40, Deduct</i>	-136.95	
26 56 13 00-0392	EA		20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,210.21	338.54
			<i>For Bronze Or Satin Anodized Finish, Add</i>	53.31	
			<i>For Black Anodized Finish, Add</i>	106.62	
			<i>For &gt;10 To 20, Deduct</i>	-38.25	
			<i>For &gt;20 To 40, Deduct</i>	-71.17	
			<i>For &gt;40, Deduct</i>	-147.68	
26 56 13 00-0393	EA		16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,121.09	282.13
			<i>For Bronze Or Satin Anodized Finish, Add</i>	55.68	
			<i>For Black Anodized Finish, Add</i>	111.37	
			<i>For &gt;10 To 20, Deduct</i>	-36.38	
			<i>For &gt;20 To 40, Deduct</i>	-67.19	
			<i>For &gt;40, Deduct</i>	-139.95	
26 56 13 00-0394	EA		18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,228.36	310.34
			<i>For Bronze Or Satin Anodized Finish, Add</i>	60.77	
			<i>For Black Anodized Finish, Add</i>	121.54	
			<i>For &gt;10 To 20, Deduct</i>	-39.82	
			<i>For &gt;20 To 40, Deduct</i>	-73.57	
			<i>For &gt;40, Deduct</i>	-153.22	
26 56 13 00-0395	EA		20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,309.37	338.54
			<i>For Bronze Or Satin Anodized Finish, Add</i>	63.23	
			<i>For Black Anodized Finish, Add</i>	126.45	
			<i>For &gt;10 To 20, Deduct</i>	-42.22	
			<i>For &gt;20 To 40, Deduct</i>	-78.11	
			<i>For &gt;40, Deduct</i>	-162.55	
26 56 13 00-0396	EA		23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,493.42	394.97
			<i>For Bronze Or Satin Anodized Finish, Add</i>	70.35	
			<i>For Black Anodized Finish, Add</i>	140.69	
			<i>For &gt;10 To 20, Deduct</i>	-47.89	
			<i>For &gt;20 To 40, Deduct</i>	-88.74	
			<i>For &gt;40, Deduct</i>	-184.52	
26 56 13 00-0397	EA		25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,682.55	451.39
			<i>For Bronze Or Satin Anodized Finish, Add</i>	77.98	
			<i>For Black Anodized Finish, Add</i>	155.95	
			<i>For &gt;10 To 20, Deduct</i>	-53.76	
			<i>For &gt;20 To 40, Deduct</i>	-99.72	
			<i>For &gt;40, Deduct</i>	-207.24	
26 56 13 00-0398	EA		23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,684.96	394.97
			<i>For Bronze Or Satin Anodized Finish, Add</i>	89.50	
			<i>For Black Anodized Finish, Add</i>	179.00	
			<i>For &gt;10 To 20, Deduct</i>	-55.55	
			<i>For &gt;20 To 40, Deduct</i>	-102.15	
			<i>For &gt;40, Deduct</i>	-213.25	
26 56 13 00-0399	EA		25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,864.77	451.39
			<i>For Bronze Or Satin Anodized Finish, Add</i>	96.20	
			<i>For Black Anodized Finish, Add</i>	192.39	
			<i>For &gt;10 To 20, Deduct</i>	-61.05	
			<i>For &gt;20 To 40, Deduct</i>	-112.48	
			<i>For &gt;40, Deduct</i>	-234.58	
26 56 13 00-0400	EA		28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,004.24	479.61
			<i>For Bronze Or Satin Anodized Finish, Add</i>	104.50	
			<i>For Black Anodized Finish, Add</i>	209.01	
			<i>For &gt;10 To 20, Deduct</i>	-65.78	
			<i>For &gt;20 To 40, Deduct</i>	-121.11	
			<i>For &gt;40, Deduct</i>	-252.68	
26 56 13 00-0401	EA		30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,129.32	507.82
			<i>For Bronze Or Satin Anodized Finish, Add</i>	111.37	
			<i>For Black Anodized Finish, Add</i>	222.74	
			<i>For &gt;10 To 20, Deduct</i>	-69.94	
			<i>For &gt;20 To 40, Deduct</i>	-128.74	
			<i>For &gt;40, Deduct</i>	-268.62	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0402 EA 33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,239.75 119.59 239.18 -73.93 -135.91 -283.77	521.93
26 56 13 00-0403 EA 35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,336.61 126.45 252.91 -77.38 -142.12 -296.89	536.04
26 56 13 00-0404 EA 37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,419.92 131.96 263.93 -80.29 -147.39 -307.97	550.14
26 56 13 00-0405 EA 39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,566.78 143.83 287.66 -85.74 -157.10 -328.59	564.25
26 56 13 00-0406 EA 28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,370.38 141.12 282.23 -80.43 -146.74 -307.60	479.61
26 56 13 00-0407 EA 30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,553.10 153.75 307.49 -86.89 -158.40 -332.18	507.82
26 56 13 00-0408 EA 33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,680.48 163.66 327.32 -91.56 -166.76 -349.88	521.93
26 56 13 00-0409 EA 35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,778.19 170.61 341.22 -95.05 -173.03 -363.13	536.04
26 56 13 00-0410 EA 37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,834.37 173.41 346.82 -96.87 -176.40 -370.14	550.14
26 56 13 00-0411 EA 39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,995.64 186.72 373.43 -102.90 -187.13 -392.92	564.25
26 56 13 00-0412 EA 28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,254.27 129.51 259.01 -75.78 -138.61 -290.18	479.61
26 56 13 00-0413 EA 30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,421.73 140.61 281.22 -81.63 -149.21 -312.48	507.82
26 56 13 00-0414 EA 33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,488.09 144.42 288.85 -83.87 -153.29 -321.02	521.93
26 56 13 00-0415 EA 35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,651.90 157.98 315.97 -89.99 -164.19 -344.18	536.04

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0416	EA		37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,734.36	550.14
			<i>For Bronze Or Satin Anodized Finish, Add</i>	163.41	
			<i>For Black Anodized Finish, Add</i>	326.82	
			<i>For &gt;10 To 20, Deduct</i>	-92.87	
			<i>For &gt;20 To 40, Deduct</i>	-169.40	
			<i>For &gt;40, Deduct</i>	-355.14	
26 56 13 00-0417	EA		39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,896.48	564.25
			<i>For Bronze Or Satin Anodized Finish, Add</i>	176.80	
			<i>For Black Anodized Finish, Add</i>	353.60	
			<i>For &gt;10 To 20, Deduct</i>	-98.93	
			<i>For &gt;20 To 40, Deduct</i>	-180.18	
			<i>For &gt;40, Deduct</i>	-378.05	
26 56 13 00-0418	EA		28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,784.83	479.61
			<i>For Bronze Or Satin Anodized Finish, Add</i>	182.56	
			<i>For Black Anodized Finish, Add</i>	365.12	
			<i>For &gt;10 To 20, Deduct</i>	-97.01	
			<i>For &gt;20 To 40, Deduct</i>	-175.75	
			<i>For &gt;40, Deduct</i>	-369.76	
26 56 13 00-0419	EA		30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,944.66	507.82
			<i>For Bronze Or Satin Anodized Finish, Add</i>	192.90	
			<i>For Black Anodized Finish, Add</i>	385.80	
			<i>For &gt;10 To 20, Deduct</i>	-102.55	
			<i>For &gt;20 To 40, Deduct</i>	-185.81	
			<i>For &gt;40, Deduct</i>	-390.92	
26 56 13 00-0420	EA		33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	3,073.74	521.93
			<i>For Bronze Or Satin Anodized Finish, Add</i>	202.99	
			<i>For Black Anodized Finish, Add</i>	405.98	
			<i>For &gt;10 To 20, Deduct</i>	-107.29	
			<i>For &gt;20 To 40, Deduct</i>	-194.28	
			<i>For &gt;40, Deduct</i>	-408.87	
26 56 13 00-0421	EA		35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	3,271.46	536.04
			<i>For Bronze Or Satin Anodized Finish, Add</i>	219.94	
			<i>For Black Anodized Finish, Add</i>	439.88	
			<i>For &gt;10 To 20, Deduct</i>	-114.78	
			<i>For &gt;20 To 40, Deduct</i>	-207.56	
			<i>For &gt;40, Deduct</i>	-437.12	
26 56 13 00-0422	EA		37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	3,318.32	550.14
			<i>For Bronze Or Satin Anodized Finish, Add</i>	221.80	
			<i>For Black Anodized Finish, Add</i>	443.61	
			<i>For &gt;10 To 20, Deduct</i>	-116.23	
			<i>For &gt;20 To 40, Deduct</i>	-210.28	
			<i>For &gt;40, Deduct</i>	-442.73	
26 56 13 00-0423	EA		39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	3,515.19	564.25
			<i>For Bronze Or Satin Anodized Finish, Add</i>	238.67	
			<i>For Black Anodized Finish, Add</i>	477.34	
			<i>For &gt;10 To 20, Deduct</i>	-123.68	
			<i>For &gt;20 To 40, Deduct</i>	-223.49	
			<i>For &gt;40, Deduct</i>	-470.85	
26 56 13 00-0424	EA		48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	4,471.86	846.37
			<i>For Bronze Or Satin Anodized Finish, Add</i>	277.91	
			<i>For Black Anodized Finish, Add</i>	555.82	
			<i>For &gt;10 To 20, Deduct</i>	-153.48	
			<i>For &gt;20 To 40, Deduct</i>	-279.18	
			<i>For &gt;40, Deduct</i>	-586.14	
26 56 13 00-0425	EA		50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	4,576.95	846.37
			<i>For Bronze Or Satin Anodized Finish, Add</i>	288.42	
			<i>For Black Anodized Finish, Add</i>	576.84	
			<i>For &gt;10 To 20, Deduct</i>	-157.69	
			<i>For &gt;20 To 40, Deduct</i>	-286.53	
			<i>For &gt;40, Deduct</i>	-601.91	
<b>26 56 13 00-0426</b>			<b>Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base</b> <small>(26 56 13 00-0354)</small>		
26 56 13 00-0427	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	760.62	169.28
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	63.31	
			<i>For &gt;10 To 20, Deduct</i>	-25.35	
			<i>For &gt;20 To 40, Deduct</i>	-46.47	
			<i>For &gt;40, Deduct</i>	-97.17	
26 56 13 00-0428	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	834.85	197.48
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	65.98	
			<i>For &gt;10 To 20, Deduct</i>	-27.47	
			<i>For &gt;20 To 40, Deduct</i>	-50.54	
			<i>For &gt;40, Deduct</i>	-105.48	
26 56 13 00-0429	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	909.91	225.70
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	68.78	
			<i>For &gt;10 To 20, Deduct</i>	-29.63	
			<i>For &gt;20 To 40, Deduct</i>	-54.67	
			<i>For &gt;40, Deduct</i>	-113.92	
26 56 13 00-0430	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	986.69	253.91
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	71.83	
			<i>For &gt;10 To 20, Deduct</i>	-31.85	
			<i>For &gt;20 To 40, Deduct</i>	-58.91	
			<i>For &gt;40, Deduct</i>	-122.61	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0431 EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,062.61 74.75 -34.04 -63.10 -131.18	282.13
26 56 13 00-0432 EA 10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	845.02 67.51 -27.88 -51.25 -107.00	197.48
26 56 13 00-0433 EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	921.78 70.56 -30.10 -55.50 -115.70	225.70
26 56 13 00-0434 EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,000.25 73.86 -32.39 -59.86 -124.65	253.91
26 56 13 00-0435 EA 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,077.87 77.04 -34.65 -64.17 -133.47	282.13
26 56 13 00-0436 EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,166.49 81.87 -37.35 -69.24 -143.94	310.34
26 56 13 00-0437 EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,247.50 85.56 -39.74 -73.78 -153.27	338.54
26 56 13 00-0438 EA 12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	954.83 75.52 -31.42 -57.81 -120.66	225.70
26 56 13 00-0439 EA 14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,037.54 79.46 -33.88 -62.47 -130.24	253.91
26 56 13 00-0440 EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,130.41 84.92 -36.75 -67.84 -141.35	282.13
26 56 13 00-0441 EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,214.80 89.12 -39.28 -72.62 -151.19	310.34
26 56 13 00-0442 EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,310.22 94.97 -42.25 -78.17 -162.68	338.54
26 56 13 00-0443 EA 16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,178.72 92.17 -38.69 -71.23 -148.60	282.13
26 56 13 00-0444 EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,280.06 98.91 -41.89 -77.19 -160.98	310.34
26 56 13 00-0445 EA 20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,362.77 102.85 -44.35 -81.85 -170.56	338.54
26 56 13 00-0446 EA 12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	981.11 79.46 -32.47 -59.65 -124.60	225.70
26 56 13 00-0447 EA 14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,077.37 85.43 -35.48 -65.26 -136.21	253.91

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0448	EA		16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,178.72 92.17 -38.69 -71.23 -148.60	282.13
26 56 13 00-0449	EA		18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,269.89 97.38 -41.49 -76.48 -159.45	310.34
26 56 13 00-0450	EA		20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,367.01 103.49 -44.52 -82.15 -171.20	338.54
26 56 13 00-0451	EA		16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,233.81 100.43 -40.89 -75.08 -156.86	282.13
26 56 13 00-0452	EA		18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,341.94 108.19 -44.37 -81.52 -170.26	310.34
26 56 13 00-0453	EA		20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,428.88 112.77 -47.00 -86.48 -180.48	338.54
<b>26 56 13 00-0454</b>			<b>Round Tapered, Aluminum Area Light Poles, Direct Burial</b> <small>(26 56 13 00-0354)</small>		
			Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0455	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	533.00 25.09 50.17 -17.09 -31.67 -65.84	141.06
26 56 13 00-0456	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	556.74 27.46 54.92 -18.04 -33.33 -69.40	141.06
26 56 13 00-0457	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	604.44 29.41 58.82 -19.52 -36.10 -75.15	155.17
26 56 13 00-0458	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	646.20 30.77 61.53 -20.77 -38.46 -80.00	169.28
26 56 13 00-0459	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	676.71 33.82 67.63 -21.99 -40.60 -84.58	169.28
26 56 13 00-0460	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	627.32 31.70 63.40 -20.44 -37.71 -78.58	155.17
26 56 13 00-0461	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	679.26 34.07 68.14 -22.09 -40.78 -84.96	169.28
26 56 13 00-0462	EA		16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	696.21 35.77 71.53 -22.77 -41.96 -87.50	169.28



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0463 EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	751.55	183.38
For Bronze Or Satin Anodized Finish, Add	38.48	
For Black Anodized Finish, Add	76.96	
For >10 To 20, Deduct	-24.56	
For >20 To 40, Deduct	-45.27	
For >40, Deduct	-94.39	
26 56 13 00-0464 EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	803.49	197.48
For Bronze Or Satin Anodized Finish, Add	40.85	
For Black Anodized Finish, Add	81.70	
For >10 To 20, Deduct	-26.22	
For >20 To 40, Deduct	-48.34	
For >40, Deduct	-100.78	
26 56 13 00-0465 EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	745.36	169.28
For Bronze Or Satin Anodized Finish, Add	40.68	
For Black Anodized Finish, Add	81.36	
For >10 To 20, Deduct	-24.74	
For >20 To 40, Deduct	-45.40	
For >40, Deduct	-94.88	
26 56 13 00-0466 EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	805.79	183.38
For Bronze Or Satin Anodized Finish, Add	43.90	
For Black Anodized Finish, Add	87.81	
For >10 To 20, Deduct	-26.73	
For >20 To 40, Deduct	-49.07	
For >40, Deduct	-102.53	
26 56 13 00-0467 EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	861.97	197.48
For Bronze Or Satin Anodized Finish, Add	46.70	
For Black Anodized Finish, Add	93.40	
For >10 To 20, Deduct	-28.55	
For >20 To 40, Deduct	-52.44	
For >40, Deduct	-109.55	
26 56 13 00-0468 EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	875.29	183.38
For Bronze Or Satin Anodized Finish, Add	50.85	
For Black Anodized Finish, Add	101.71	
For >10 To 20, Deduct	-29.51	
For >20 To 40, Deduct	-53.94	
For >40, Deduct	-112.96	
26 56 13 00-0469 EA 25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	1,118.41	225.70
For Bronze Or Satin Anodized Finish, Add	66.70	
For Black Anodized Finish, Add	133.40	
For >10 To 20, Deduct	-37.97	
For >20 To 40, Deduct	-69.26	
For >40, Deduct	-145.19	
26 56 13 00-0470 EA 25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	1,214.19	225.70
For Bronze Or Satin Anodized Finish, Add	76.28	
For Black Anodized Finish, Add	152.56	
For >10 To 20, Deduct	-41.80	
For >20 To 40, Deduct	-75.97	
For >40, Deduct	-159.56	
26 56 13 00-0471 EA 30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	1,352.83	253.91
For Bronze Or Satin Anodized Finish, Add	84.50	
For Black Anodized Finish, Add	169.00	
For >10 To 20, Deduct	-46.50	
For >20 To 40, Deduct	-84.54	
For >40, Deduct	-177.53	
26 56 13 00-0472 EA 30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	1,457.08	253.91
For Bronze Or Satin Anodized Finish, Add	94.93	
For Black Anodized Finish, Add	189.85	
For >10 To 20, Deduct	-50.67	
For >20 To 40, Deduct	-91.84	
For >40, Deduct	-193.17	
<b>26 56 13 00-0473 Square Straight, Aluminum Area Light Poles</b> <small>(26 56 13 00-0294)</small>		
<b>26 56 13 00-0474 Square Straight, Aluminum Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0473)</small>		
26 56 13 00-0475 EA 8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base .....	688.58	169.28
For Bronze Or Satin Anodized Finish, Add	35.00	
For Black Anodized Finish, Add	70.01	
For >10 To 20, Deduct	-22.47	
For >20 To 40, Deduct	-41.43	
For >40, Deduct	-86.36	
26 56 13 00-0476 EA 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base .....	762.81	197.48
For Bronze Or Satin Anodized Finish, Add	36.78	
For Black Anodized Finish, Add	73.57	
For >10 To 20, Deduct	-24.59	
For >20 To 40, Deduct	-45.50	
For >40, Deduct	-94.67	
26 56 13 00-0477 EA 12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base .....	843.81	225.70
For Bronze Or Satin Anodized Finish, Add	39.24	
For Black Anodized Finish, Add	78.48	
For >10 To 20, Deduct	-26.98	
For >20 To 40, Deduct	-50.04	
For >40, Deduct	-104.00	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0478	EA		14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base .....	923.97	253.91
			<i>For Bronze Or Satin Anodized Finish, Add</i>	41.62	
			<i>For Black Anodized Finish, Add</i>	83.23	
			<i>For &gt;10 To 20, Deduct</i>	-29.34	
			<i>For &gt;20 To 40, Deduct</i>	-54.52	
			<i>For &gt;40, Deduct</i>	-113.20	
26 56 13 00-0479	EA		15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base .....	967.44	268.02
			<i>For Bronze Or Satin Anodized Finish, Add</i>	43.14	
			<i>For Black Anodized Finish, Add</i>	86.28	
			<i>For &gt;10 To 20, Deduct</i>	-30.66	
			<i>For &gt;20 To 40, Deduct</i>	-57.00	
			<i>For &gt;40, Deduct</i>	-118.31	
26 56 13 00-0480	EA		16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,010.91	282.13
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.67	
			<i>For Black Anodized Finish, Add</i>	89.33	
			<i>For &gt;10 To 20, Deduct</i>	-31.97	
			<i>For &gt;20 To 40, Deduct</i>	-59.48	
			<i>For &gt;40, Deduct</i>	-123.42	
26 56 13 00-0481	EA		18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,096.15	310.34
			<i>For Bronze Or Satin Anodized Finish, Add</i>	47.55	
			<i>For Black Anodized Finish, Add</i>	95.10	
			<i>For &gt;10 To 20, Deduct</i>	-34.54	
			<i>For &gt;20 To 40, Deduct</i>	-64.32	
			<i>For &gt;40, Deduct</i>	-133.39	
26 56 13 00-0482	EA		20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,189.02	338.54
			<i>For Bronze Or Satin Anodized Finish, Add</i>	51.19	
			<i>For Black Anodized Finish, Add</i>	102.38	
			<i>For &gt;10 To 20, Deduct</i>	-37.40	
			<i>For &gt;20 To 40, Deduct</i>	-69.69	
			<i>For &gt;40, Deduct</i>	-144.50	
26 56 13 00-0483	EA		16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,069.39	282.13
			<i>For Bronze Or Satin Anodized Finish, Add</i>	50.51	
			<i>For Black Anodized Finish, Add</i>	101.03	
			<i>For &gt;10 To 20, Deduct</i>	-34.31	
			<i>For &gt;20 To 40, Deduct</i>	-63.57	
			<i>For &gt;40, Deduct</i>	-132.20	
26 56 13 00-0484	EA		18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,156.32	310.34
			<i>For Bronze Or Satin Anodized Finish, Add</i>	53.57	
			<i>For Black Anodized Finish, Add</i>	107.13	
			<i>For &gt;10 To 20, Deduct</i>	-36.94	
			<i>For &gt;20 To 40, Deduct</i>	-68.53	
			<i>For &gt;40, Deduct</i>	-142.41	
26 56 13 00-0485	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,254.28	338.54
			<i>For Bronze Or Satin Anodized Finish, Add</i>	57.72	
			<i>For Black Anodized Finish, Add</i>	115.44	
			<i>For &gt;10 To 20, Deduct</i>	-40.01	
			<i>For &gt;20 To 40, Deduct</i>	-74.26	
			<i>For &gt;40, Deduct</i>	-154.29	
26 56 13 00-0486	EA		15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,221.71	268.02
			<i>For Bronze Or Satin Anodized Finish, Add</i>	68.57	
			<i>For Black Anodized Finish, Add</i>	137.13	
			<i>For &gt;10 To 20, Deduct</i>	-40.83	
			<i>For &gt;20 To 40, Deduct</i>	-74.80	
			<i>For &gt;40, Deduct</i>	-156.45	
26 56 13 00-0487	EA		20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,497.53	338.54
			<i>For Bronze Or Satin Anodized Finish, Add</i>	82.04	
			<i>For Black Anodized Finish, Add</i>	164.09	
			<i>For &gt;10 To 20, Deduct</i>	-49.74	
			<i>For &gt;20 To 40, Deduct</i>	-91.29	
			<i>For &gt;40, Deduct</i>	-190.77	
26 56 13 00-0488	EA		25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,829.17	451.39
			<i>For Bronze Or Satin Anodized Finish, Add</i>	92.64	
			<i>For Black Anodized Finish, Add</i>	185.27	
			<i>For &gt;10 To 20, Deduct</i>	-59.62	
			<i>For &gt;20 To 40, Deduct</i>	-109.99	
			<i>For &gt;40, Deduct</i>	-229.24	
26 56 13 00-0489	EA		20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,306.83	338.54
			<i>For Bronze Or Satin Anodized Finish, Add</i>	62.97	
			<i>For Black Anodized Finish, Add</i>	125.95	
			<i>For &gt;10 To 20, Deduct</i>	-42.12	
			<i>For &gt;20 To 40, Deduct</i>	-77.94	
			<i>For &gt;40, Deduct</i>	-162.17	
26 56 13 00-0490	EA		20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,600.08	338.54
			<i>For Bronze Or Satin Anodized Finish, Add</i>	92.30	
			<i>For Black Anodized Finish, Add</i>	184.60	
			<i>For &gt;10 To 20, Deduct</i>	-53.85	
			<i>For &gt;20 To 40, Deduct</i>	-98.46	
			<i>For &gt;40, Deduct</i>	-206.16	
26 56 13 00-0491	EA		25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,922.40	451.39
			<i>For Bronze Or Satin Anodized Finish, Add</i>	101.96	
			<i>For Black Anodized Finish, Add</i>	203.92	
			<i>For &gt;10 To 20, Deduct</i>	-63.35	
			<i>For &gt;20 To 40, Deduct</i>	-116.51	
			<i>For &gt;40, Deduct</i>	-243.22	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0492 EA 20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,761.12 108.40 216.80 -60.29 -109.74 -230.31	338.54
26 56 13 00-0493 EA 25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,132.60 122.98 245.96 -71.76 -131.23 -274.75	451.39
26 56 13 00-0494 EA 30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,464.10 144.85 289.69 -83.33 -152.17 -318.83	507.82
<b>26 56 13 00-0495 Square Straight, Aluminum Area Light Poles, Direct Burial</b> <small>(26 56 13 00-0473)</small> Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0496 EA 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	616.06 33.39 66.79 -20.41 -37.48 -78.30	141.06
26 56 13 00-0497 EA 12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	687.50 37.72 75.43 -22.84 -41.92 -87.61	155.17
26 56 13 00-0498 EA 14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	733.50 39.50 78.99 -24.26 -44.57 -93.10	169.28
26 56 13 00-0499 EA 15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	754.69 41.62 83.23 -25.11 -46.06 -96.28	169.28
26 56 13 00-0500 EA 16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	780.96 44.24 88.48 -26.16 -47.90 -100.22	169.28
26 56 13 00-0501 EA 18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	899.02 53.23 106.45 -30.46 -55.60 -116.52	183.38
26 56 13 00-0502 EA 20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	963.68 56.87 113.74 -32.62 -59.56 -124.80	197.48
26 56 13 00-0503 EA 20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,096.74 70.18 140.35 -37.95 -68.87 -144.76	197.48
26 56 13 00-0504 EA 25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,259.95 80.86 161.71 -43.63 -79.17 -166.42	225.70
26 56 13 00-0505 EA 25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,557.44 110.61 221.21 -55.53 -99.99 -211.05	225.70
<b>26 56 13 00-0506 Factory Accessories For Aluminum Area Light Poles</b> <small>(26 56 13 00-0294)</small>		
26 56 13 00-0507 EA 1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles .....	97.38	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0508	EA	Extra Handhole For Aluminum Area Light Poles.....	31.59	
26 56 13 00-0509	EA	Vibration Dampener For Aluminum Area Light Poles.....	147.31	
<b>26 56 13 00-0510</b>		<b>Fiberglass Area Light Poles</b> <small>(26 56 13 00-0177)</small> Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
<b>26 56 13 00-0511</b>		<b>Round Tapered, Fiberglass Area Light Poles</b> <small>(26 56 13 00-0510)</small>		
<b>26 56 13 00-0512</b>		<b>Round Tapered, Fiberglass Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0511)</small>		
26 56 13 00-0513	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,321.38	197.48
		<i>For &gt;10 To 20, Deduct</i>	-46.93	
		<i>For &gt;20 To 40, Deduct</i>	-84.60	
		<i>For &gt;40, Deduct</i>	-178.46	
26 56 13 00-0514	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,432.95	225.70
		<i>For &gt;10 To 20, Deduct</i>	-50.55	
		<i>For &gt;20 To 40, Deduct</i>	-91.28	
		<i>For &gt;40, Deduct</i>	-192.37	
26 56 13 00-0515	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,546.09	253.91
		<i>For &gt;10 To 20, Deduct</i>	-54.23	
		<i>For &gt;20 To 40, Deduct</i>	-98.07	
		<i>For &gt;40, Deduct</i>	-206.52	
26 56 13 00-0516	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,657.67	282.13
		<i>For &gt;10 To 20, Deduct</i>	-57.84	
		<i>For &gt;20 To 40, Deduct</i>	-104.75	
		<i>For &gt;40, Deduct</i>	-220.44	
26 56 13 00-0517	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,797.59	310.34
		<i>For &gt;10 To 20, Deduct</i>	-62.59	
		<i>For &gt;20 To 40, Deduct</i>	-113.42	
		<i>For &gt;40, Deduct</i>	-238.61	
26 56 13 00-0518	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,912.32	338.54
		<i>For &gt;10 To 20, Deduct</i>	-66.34	
		<i>For &gt;20 To 40, Deduct</i>	-120.32	
		<i>For &gt;40, Deduct</i>	-252.99	
26 56 13 00-0519	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,081.88	394.97
		<i>For &gt;10 To 20, Deduct</i>	-71.43	
		<i>For &gt;20 To 40, Deduct</i>	-129.93	
		<i>For &gt;40, Deduct</i>	-272.78	
26 56 13 00-0520	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,249.88	451.39
		<i>For &gt;10 To 20, Deduct</i>	-76.45	
		<i>For &gt;20 To 40, Deduct</i>	-139.44	
		<i>For &gt;40, Deduct</i>	-292.34	
26 56 13 00-0521	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,377.50	451.39
		<i>For &gt;10 To 20, Deduct</i>	-81.56	
		<i>For &gt;20 To 40, Deduct</i>	-148.37	
		<i>For &gt;40, Deduct</i>	-311.49	
26 56 13 00-0522	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,545.77	479.61
		<i>For &gt;10 To 20, Deduct</i>	-87.44	
		<i>For &gt;20 To 40, Deduct</i>	-159.02	
		<i>For &gt;40, Deduct</i>	-333.91	
26 56 13 00-0523	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,714.06	507.82
		<i>For &gt;10 To 20, Deduct</i>	-93.33	
		<i>For &gt;20 To 40, Deduct</i>	-169.67	
		<i>For &gt;40, Deduct</i>	-356.33	
26 56 13 00-0524	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,466.33	197.48
		<i>For &gt;10 To 20, Deduct</i>	-52.73	
		<i>For &gt;20 To 40, Deduct</i>	-94.74	
		<i>For &gt;40, Deduct</i>	-200.20	
26 56 13 00-0525	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,549.53	225.70
		<i>For &gt;10 To 20, Deduct</i>	-55.21	
		<i>For &gt;20 To 40, Deduct</i>	-99.44	
		<i>For &gt;40, Deduct</i>	-209.86	
26 56 13 00-0526	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,634.32	253.91
		<i>For &gt;10 To 20, Deduct</i>	-57.76	
		<i>For &gt;20 To 40, Deduct</i>	-104.25	
		<i>For &gt;40, Deduct</i>	-219.76	
26 56 13 00-0527	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,722.26	282.13
		<i>For &gt;10 To 20, Deduct</i>	-60.43	
		<i>For &gt;20 To 40, Deduct</i>	-109.27	
		<i>For &gt;40, Deduct</i>	-230.13	
26 56 13 00-0528	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,818.07	310.34
		<i>For &gt;10 To 20, Deduct</i>	-63.41	
		<i>For &gt;20 To 40, Deduct</i>	-114.85	
		<i>For &gt;40, Deduct</i>	-241.68	
26 56 13 00-0529	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,912.32	338.54
		<i>For &gt;10 To 20, Deduct</i>	-66.34	
		<i>For &gt;20 To 40, Deduct</i>	-120.32	
		<i>For &gt;40, Deduct</i>	-252.99	
26 56 13 00-0530	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,062.98	394.97
		<i>For &gt;10 To 20, Deduct</i>	-70.67	
		<i>For &gt;20 To 40, Deduct</i>	-128.61	
		<i>For &gt;40, Deduct</i>	-269.95	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0531 EA 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,249.88	451.39
For >10 To 20, Deduct	-76.45	
For >20 To 40, Deduct	-139.44	
For >40, Deduct	-292.34	
26 56 13 00-0532 EA 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,303.45	451.39
For >10 To 20, Deduct	-78.60	
For >20 To 40, Deduct	-143.19	
For >40, Deduct	-300.38	
26 56 13 00-0533 EA 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,415.00	479.61
For >10 To 20, Deduct	-82.21	
For >20 To 40, Deduct	-149.87	
For >40, Deduct	-314.29	
26 56 13 00-0534 EA 30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,526.57	507.82
For >10 To 20, Deduct	-85.83	
For >20 To 40, Deduct	-156.55	
For >40, Deduct	-328.20	
26 56 13 00-0535 EA 10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,679.03	197.48
For >10 To 20, Deduct	-61.24	
For >20 To 40, Deduct	-109.63	
For >40, Deduct	-232.11	
26 56 13 00-0536 EA 12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,784.29	225.70
For >10 To 20, Deduct	-64.60	
For >20 To 40, Deduct	-115.87	
For >40, Deduct	-245.07	
26 56 13 00-0537 EA 14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,889.56	253.91
For >10 To 20, Deduct	-67.97	
For >20 To 40, Deduct	-122.11	
For >40, Deduct	-258.04	
26 56 13 00-0538 EA 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,996.41	282.13
For >10 To 20, Deduct	-71.39	
For >20 To 40, Deduct	-128.46	
For >40, Deduct	-271.25	
26 56 13 00-0539 EA 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,109.55	310.34
For >10 To 20, Deduct	-75.07	
For >20 To 40, Deduct	-135.26	
For >40, Deduct	-285.40	
26 56 13 00-0540 EA 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,232.15	338.54
For >10 To 20, Deduct	-79.13	
For >20 To 40, Deduct	-142.71	
For >40, Deduct	-300.97	
26 56 13 00-0541 EA 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,425.35	394.97
For >10 To 20, Deduct	-85.16	
For >20 To 40, Deduct	-153.98	
For >40, Deduct	-324.31	
26 56 13 00-0542 EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,620.13	451.39
For >10 To 20, Deduct	-91.26	
For >20 To 40, Deduct	-165.35	
For >40, Deduct	-347.88	
26 56 13 00-0543 EA 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,702.06	451.39
For >10 To 20, Deduct	-94.54	
For >20 To 40, Deduct	-171.09	
For >40, Deduct	-360.17	
26 56 13 00-0544 EA 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,887.66	479.61
For >10 To 20, Deduct	-101.12	
For >20 To 40, Deduct	-182.95	
For >40, Deduct	-385.19	
26 56 13 00-0545 EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,037.04	507.82
For >10 To 20, Deduct	-106.25	
For >20 To 40, Deduct	-192.28	
For >40, Deduct	-404.77	
26 56 13 00-0546 EA 32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,158.22	521.93
For >10 To 20, Deduct	-110.67	
For >20 To 40, Deduct	-200.20	
For >40, Deduct	-421.54	
26 56 13 00-0547 EA 34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,279.39	536.04
For >10 To 20, Deduct	-115.09	
For >20 To 40, Deduct	-208.12	
For >40, Deduct	-438.31	
<b>26 56 13 00-0548 Round Tapered, Fiberglass Area Light Poles, Direct Burial (26 56 13 00-0511)</b>		
26 56 13 00-0549 EA 10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	811.51	141.06
For >10 To 20, Deduct	-28.23	
For >20 To 40, Deduct	-51.16	
For >40, Deduct	-107.62	
26 56 13 00-0550 EA 12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	869.65	155.17
For >10 To 20, Deduct	-30.13	
For >20 To 40, Deduct	-54.67	
For >40, Deduct	-114.93	
26 56 13 00-0551 EA 14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	926.21	169.28
For >10 To 20, Deduct	-31.97	
For >20 To 40, Deduct	-58.06	
For >40, Deduct	-122.00	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0552	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	953.00	169.28
			<i>For &gt;10 To 20, Deduct</i>	-33.04	
			<i>For &gt;20 To 40, Deduct</i>	-59.94	
			<i>For &gt;40, Deduct</i>	-126.02	
26 56	13 00-0553	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,025.33	183.38
			<i>For &gt;10 To 20, Deduct</i>	-35.51	
			<i>For &gt;20 To 40, Deduct</i>	-64.44	
			<i>For &gt;40, Deduct</i>	-135.46	
26 56	13 00-0554	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,085.05	197.48
			<i>For &gt;10 To 20, Deduct</i>	-37.48	
			<i>For &gt;20 To 40, Deduct</i>	-68.05	
			<i>For &gt;40, Deduct</i>	-143.01	
26 56	13 00-0555	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,149.51	211.59
			<i>For &gt;10 To 20, Deduct</i>	-39.63	
			<i>For &gt;20 To 40, Deduct</i>	-72.00	
			<i>For &gt;40, Deduct</i>	-151.27	
26 56	13 00-0556	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,221.82	225.70
			<i>For &gt;10 To 20, Deduct</i>	-42.10	
			<i>For &gt;20 To 40, Deduct</i>	-76.50	
			<i>For &gt;40, Deduct</i>	-160.70	
26 56	13 00-0557	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,373.08	225.70
			<i>For &gt;10 To 20, Deduct</i>	-48.15	
			<i>For &gt;20 To 40, Deduct</i>	-87.09	
			<i>For &gt;40, Deduct</i>	-183.39	
26 56	13 00-0558	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,552.55	239.80
			<i>For &gt;10 To 20, Deduct</i>	-54.91	
			<i>For &gt;20 To 40, Deduct</i>	-99.09	
			<i>For &gt;40, Deduct</i>	-208.90	
26 56	13 00-0559	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,732.01	253.91
			<i>For &gt;10 To 20, Deduct</i>	-61.66	
			<i>For &gt;20 To 40, Deduct</i>	-111.08	
			<i>For &gt;40, Deduct</i>	-234.41	
26 56	13 00-0560	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	956.46	141.06
			<i>For &gt;10 To 20, Deduct</i>	-34.03	
			<i>For &gt;20 To 40, Deduct</i>	-61.31	
			<i>For &gt;40, Deduct</i>	-129.36	
26 56	13 00-0561	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,022.48	155.17
			<i>For &gt;10 To 20, Deduct</i>	-36.24	
			<i>For &gt;20 To 40, Deduct</i>	-65.37	
			<i>For &gt;40, Deduct</i>	-137.86	
26 56	13 00-0562	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,088.49	169.28
			<i>For &gt;10 To 20, Deduct</i>	-38.46	
			<i>For &gt;20 To 40, Deduct</i>	-69.42	
			<i>For &gt;40, Deduct</i>	-146.35	
26 56	13 00-0563	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,127.88	169.28
			<i>For &gt;10 To 20, Deduct</i>	-40.04	
			<i>For &gt;20 To 40, Deduct</i>	-72.18	
			<i>For &gt;40, Deduct</i>	-152.26	
26 56	13 00-0564	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,193.91	183.38
			<i>For &gt;10 To 20, Deduct</i>	-42.26	
			<i>For &gt;20 To 40, Deduct</i>	-76.24	
			<i>For &gt;40, Deduct</i>	-160.75	
26 56	13 00-0565	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,259.94	197.48
			<i>For &gt;10 To 20, Deduct</i>	-44.47	
			<i>For &gt;20 To 40, Deduct</i>	-80.30	
			<i>For &gt;40, Deduct</i>	-169.24	
26 56	13 00-0566	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,325.97	211.59
			<i>For &gt;10 To 20, Deduct</i>	-46.69	
			<i>For &gt;20 To 40, Deduct</i>	-84.35	
			<i>For &gt;40, Deduct</i>	-177.74	
26 56	13 00-0567	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,428.22	225.70
			<i>For &gt;10 To 20, Deduct</i>	-50.36	
			<i>For &gt;20 To 40, Deduct</i>	-90.95	
			<i>For &gt;40, Deduct</i>	-191.66	
26 56	13 00-0568	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,574.74	225.70
			<i>For &gt;10 To 20, Deduct</i>	-56.22	
			<i>For &gt;20 To 40, Deduct</i>	-101.20	
			<i>For &gt;40, Deduct</i>	-213.64	
26 56	13 00-0569	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,751.06	239.80
			<i>For &gt;10 To 20, Deduct</i>	-62.85	
			<i>For &gt;20 To 40, Deduct</i>	-112.98	
			<i>For &gt;40, Deduct</i>	-238.68	
26 56	13 00-0570	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,925.80	253.91
			<i>For &gt;10 To 20, Deduct</i>	-69.41	
			<i>For &gt;20 To 40, Deduct</i>	-124.65	
			<i>For &gt;40, Deduct</i>	-263.48	
26 56	13 00-0571	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,084.07	141.06
			<i>For &gt;10 To 20, Deduct</i>	-39.13	
			<i>For &gt;20 To 40, Deduct</i>	-70.24	
			<i>For &gt;40, Deduct</i>	-148.50	
26 56	13 00-0572	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,140.64	155.17
			<i>For &gt;10 To 20, Deduct</i>	-40.97	
			<i>For &gt;20 To 40, Deduct</i>	-73.64	
			<i>For &gt;40, Deduct</i>	-155.58	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0573	EA		14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,195.63	169.28
			<i>For &gt;10 To 20, Deduct</i>	-42.75	
			<i>For &gt;20 To 40, Deduct</i>	-76.92	
			<i>For &gt;40, Deduct</i>	-162.42	
26 56 13 00-0574	EA		16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,222.41	169.28
			<i>For &gt;10 To 20, Deduct</i>	-43.82	
			<i>For &gt;20 To 40, Deduct</i>	-78.80	
			<i>For &gt;40, Deduct</i>	-166.43	
26 56 13 00-0575	EA		18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,277.42	183.38
			<i>For &gt;10 To 20, Deduct</i>	-45.60	
			<i>For &gt;20 To 40, Deduct</i>	-82.08	
			<i>For &gt;40, Deduct</i>	-173.28	
26 56 13 00-0576	EA		20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,333.99	197.48
			<i>For &gt;10 To 20, Deduct</i>	-47.44	
			<i>For &gt;20 To 40, Deduct</i>	-85.48	
			<i>For &gt;40, Deduct</i>	-180.35	
26 56 13 00-0577	EA		22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,444.13	211.59
			<i>For &gt;10 To 20, Deduct</i>	-51.42	
			<i>For &gt;20 To 40, Deduct</i>	-92.63	
			<i>For &gt;40, Deduct</i>	-195.46	
26 56 13 00-0578	EA		24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,573.17	225.70
			<i>For &gt;10 To 20, Deduct</i>	-56.16	
			<i>For &gt;20 To 40, Deduct</i>	-101.09	
			<i>For &gt;40, Deduct</i>	-213.41	
26 56 13 00-0579	EA		26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,664.55	225.70
			<i>For &gt;10 To 20, Deduct</i>	-59.81	
			<i>For &gt;20 To 40, Deduct</i>	-107.49	
			<i>For &gt;40, Deduct</i>	-227.11	
26 56 13 00-0580	EA		28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,785.72	239.80
			<i>For &gt;10 To 20, Deduct</i>	-64.23	
			<i>For &gt;20 To 40, Deduct</i>	-115.41	
			<i>For &gt;40, Deduct</i>	-243.88	
26 56 13 00-0581	EA		30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,906.89	253.91
			<i>For &gt;10 To 20, Deduct</i>	-68.66	
			<i>For &gt;20 To 40, Deduct</i>	-123.33	
			<i>For &gt;40, Deduct</i>	-260.64	
<b>26 56 13 00-0582</b>			<b>Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0510)</b>		
26 56 13 00-0583	EA		Open Or Capped Top For Fiberglass Area Light Poles.....	55.86	
26 56 13 00-0584	EA		Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles.....	55.86	
26 56 13 00-0585	EA		Smooth Shaft Finish For Fiberglass Area Light Poles.....	105.99	
26 56 13 00-0586	EA		Vibration Dampener For Fiberglass Area Light Poles.....	140.37	
<b>26 56 13 00-0587</b>			<b>Concrete Area Light Poles (26 56 13 00-0177)</b>		
<b>26 56 13 00-0588</b>			<b>Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base (26 56 13 00-0587)</b>		
26 56 13 00-0589	EA		28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,052.32	479.61
26 56 13 00-0590	EA		30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,163.41	507.82
26 56 13 00-0591	EA		33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,245.02	521.93
26 56 13 00-0592	EA		36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,811.90	536.04
26 56 13 00-0593	EA		38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,129.28	564.25
26 56 13 00-0594	EA		43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,866.84	733.52
26 56 13 00-0595	EA		47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	4,628.10	902.80
26 56 13 00-0596	EA		27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	4,558.12	479.61
			Note: Polished brown with acrylic coating finish.		
26 56 13 00-0597	EA		30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	5,268.91	507.82
			Note: Polished brown with acrylic coating finish.		
26 56 13 00-0598	EA		Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'.....	623.29	169.28
26 56 13 00-0599	EA		13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design.....	2,734.02	338.44
26 56 13 00-0600	EA		Pole Base Cover For All Octagon Poles.....	240.77	69.07
26 56 13 00-0601	EA		Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze.....	495.17	138.13
<b>26 56 13 00-0602</b>			<b>Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)</b>		
			Note: Round or square.		
26 56 13 00-0603	EA		13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,257.08	225.70
26 56 13 00-0604	EA		16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,545.56	282.13
26 56 13 00-0605	EA		18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,805.98	338.54
26 56 13 00-0606	EA		30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,903.22	507.82
26 56 13 00-0607	EA		35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,509.99	536.04
26 56 13 00-0608	EA		40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	5,166.48	564.25
26 56 13 00-0609	EA		45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	5,974.80	733.52
<b>26 56 13 00-0610</b>			<b>Round Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)</b>		
26 56 13 00-0611	EA		60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22).....	17,533.62	1,269.55
26 56 13 00-0612	EA		70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24).....	20,867.65	1,535.15
26 56 13 00-0613	EA		80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26).....	24,725.37	2,073.79



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 13 00-0614		<b>Treated Wood Area Light Poles</b> (26 56 13 00-0177) See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0615		<b>Cast Iron Decorative Light Posts</b> (26 56 13 00-0177)		
26 56 13 00-0616		<b>Round Tapered, Cast Iron Decorative Light Post, Anchor Base</b> (26 56 13 00-0615) Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0617	EA	10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	1,607.44	141.06
26 56 13 00-0618	EA	12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	1,685.51	162.51
26 56 13 00-0619	EA	14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	1,832.64	169.28
26 56 13 00-0620	EA	16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	2,259.07	197.48
26 56 13 00-0621	EA	18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	2,649.93	214.42
26 56 13 00-0622	EA	20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	3,060.27	231.34
26 56 13 00-0623		<b>Landscape Light Poles</b> (26 56 13 00-0001) Note: Excludes lighting fixtures.		
26 56 13 00-0624		<b>Aluminum Landscape Light Poles</b> (26 56 13 00-0623) Note: Includes painted finish.		
26 56 13 00-0625		<b>Round Straight, Aluminum Landscape Light Poles</b> (26 56 13 00-0624)		
26 56 13 00-0626		<b>Round Straight, Aluminum Landscape Light Poles, Anchor Base</b> (26 56 13 00-0625)		
26 56 13 00-0627	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	413.96	169.28
26 56 13 00-0628	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	690.09	225.70
26 56 13 00-0629		<b>Round Straight, Aluminum Landscape Light Poles, Direct Burial</b> (26 56 13 00-0625)		
26 56 13 00-0630	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	378.47	169.28
26 56 13 00-0631	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	654.60	225.70
26 56 13 00-0632		<b>Steel Landscape Light Poles</b> (26 56 13 00-0623) Note: Includes painted finish.		
26 56 13 00-0633		<b>Round Straight, Steel Landscape Light Poles</b> (26 56 13 00-0632)		
26 56 13 00-0634		<b>Round Straight, Steel Landscape Light Poles, Anchor Base</b> (26 56 13 00-0633)		
26 56 13 00-0635	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base.....	504.78	169.28
26 56 13 00-0636		<b>Round Straight, Steel Landscape Light Poles, Direct Burial</b> (26 56 13 00-0633)		
26 56 13 00-0637	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial.....	467.54	169.28
26 56 13 00-0638		<b>Light Pole Brackets And Arms</b> (26 56 13 00-0001)		
26 56 13 00-0639		<b>Light Pole Brackets</b> (26 56 13 00-0638)		
26 56 13 00-0640		<b>Bullhorn Style, Pole Top Area Light Brackets</b> (26 56 13 00-0639)		
26 56 13 00-0641		<b>Round Bullhorn Style, Pole Top Area Light Brackets</b> (26 56 13 00-0640)		
26 56 13 00-0642		<b>Steel, Round Bullhorn Style, Pole Top Area Light Brackets</b> (26 56 13 00-0641) Note: Includes powdercoat finish.		
26 56 13 00-0643	EA	Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	734.39	33.86
		<i>For Galvanized Finish, Add</i>	66.67	
26 56 13 00-0644	EA	Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket .....	935.53	33.86
		<i>For Galvanized Finish, Add</i>	86.78	
26 56 13 00-0645	EA	Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket .....	996.93	33.86
		<i>For Galvanized Finish, Add</i>	92.92	
26 56 13 00-0646	EA	Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket .....	1,375.93	33.86
		<i>For Galvanized Finish, Add</i>	130.82	
26 56 13 00-0647	EA	Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket .....	1,434.95	33.86
		<i>For Galvanized Finish, Add</i>	136.72	
26 56 13 00-0648		<b>Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets</b> (26 56 13 00-0641) Note: Includes satin brushed or painted finish.		
26 56 13 00-0649	EA	Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket .....	205.86	33.86
		<i>For Bronze Or Satin Anodized Finish, Add</i>	13.82	
		<i>For Black Anodized Finish, Add</i>	27.63	
26 56 13 00-0650	EA	Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	249.93	33.86
		<i>For Bronze Or Satin Anodized Finish, Add</i>	18.22	
		<i>For Black Anodized Finish, Add</i>	36.44	
26 56 13 00-0651	EA	Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	261.80	33.86
		<i>For Bronze Or Satin Anodized Finish, Add</i>	19.41	
		<i>For Black Anodized Finish, Add</i>	38.82	
26 56 13 00-0652	EA	Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	303.33	33.86
		<i>For Bronze Or Satin Anodized Finish, Add</i>	23.56	
		<i>For Black Anodized Finish, Add</i>	47.12	
26 56 13 00-0653	EA	Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	311.80	33.86
		<i>For Bronze Or Satin Anodized Finish, Add</i>	24.41	
		<i>For Black Anodized Finish, Add</i>	48.82	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 56 13 00-0654</b> <b>Square Bullhorn Style, Pole Top Area Light Brackets</b> <small>(26 56 13 00-0640)</small>		
<b>26 56 13 00-0655</b> <b>Steel, Square Bullhorn Style, Pole Top Area Light Brackets</b> <small>(26 56 13 00-0654)</small> Note: Includes powdercoat finish.		
26 56 13 00-0656     EA    Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	791.82	33.86
For Galvanized Finish, Add	72.41	
26 56 13 00-0657     EA    Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket .....	984.49	33.86
For Galvanized Finish, Add	91.68	
26 56 13 00-0658     EA    Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket .....	1,210.78	33.86
For Galvanized Finish, Add	114.31	
26 56 13 00-0659     EA    Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket .....	1,438.12	33.86
For Galvanized Finish, Add	137.04	
<b>26 56 13 00-0660</b> <b>Wood Pole Clamp On Style, Pole Top Area Light Brackets</b> <small>(26 56 13 00-0639)</small>		
<b>26 56 13 00-0661</b> <b>Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets</b> <small>(26 56 13 00-0660)</small> Note: Includes powdercoat finish.		
26 56 13 00-0662     EA    One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket .....	729.51	56.43
26 56 13 00-0663     EA    Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket .....	1,123.85	56.43
26 56 13 00-0664     EA    Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket .....	1,590.45	56.43
26 56 13 00-0665     EA    Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket .....	1,743.95	56.43
<b>26 56 13 00-0666</b> <b>Light Pole Arms</b> <small>(26 56 13 00-0638)</small>		
<b>26 56 13 00-0667</b> <b>Wood Pole Streetlight Arms</b> <small>(26 56 13 00-0666)</small>		
<b>26 56 13 00-0668</b> <b>Steel, Wood Pole Streetlight Arms</b> <small>(26 56 13 00-0667)</small>		
26 56 13 00-0669     EA    1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	409.11	50.78
26 56 13 00-0670     EA    1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	430.71	56.43
26 56 13 00-0671     EA    1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	495.18	70.53
26 56 13 00-0672     EA    2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	619.68	56.43
26 56 13 00-0673     EA    2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	683.61	70.53
26 56 13 00-0674     EA    2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	830.67	84.63
<b>26 56 13 00-0675</b> <b>Aluminum, Wood Pole Streetlight Arms</b> <small>(26 56 13 00-0667)</small>		
26 56 13 00-0676     EA    1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	207.75	56.43
26 56 13 00-0677     EA    2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	256.43	56.43
26 56 13 00-0678     EA    2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	342.47	70.53
26 56 13 00-0679     EA    2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	448.68	84.63
<b>26 56 13 00-0680</b> <b>Area Light Arms</b> <small>(26 56 13 00-0666)</small>		
<b>26 56 13 00-0681</b> <b>Steel Area Light Arms</b> <small>(26 56 13 00-0680)</small>		
26 56 13 00-0682     EA    Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	815.95	56.43
26 56 13 00-0683     EA    Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,302.38	62.06
26 56 13 00-0684     EA    Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,448.24	67.71
26 56 13 00-0685     EA    Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,725.94	73.35
26 56 13 00-0686     EA    Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	970.50	70.53
26 56 13 00-0687     EA    Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,407.48	76.17
<b>26 56 13 00-0688</b> <b>Aluminum Area Light Arms</b> <small>(26 56 13 00-0680)</small>		
26 56 13 00-0689     EA    Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	251.00	56.43
26 56 13 00-0690     EA    Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	309.72	70.53
26 56 13 00-0691     EA    Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	370.15	84.63
26 56 13 00-0692     EA    Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	249.31	56.43
26 56 13 00-0693     EA    Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	352.13	62.06
26 56 13 00-0694     EA    Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	306.33	70.53
26 56 13 00-0695     EA    Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	429.49	76.17
26 56 13 00-0696     EA    Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	371.84	84.63
26 56 13 00-0697     EA    Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	521.28	90.28
<b>26 56 13 00-0698</b> <b>Removal And Reinstallation Of Lighting Pole</b> <small>(26 56 13 00-0001)</small>		
26 56 13 00-0699     EA    Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms.....	1,862.20	
<b>26 56 13 00-0700</b> <b>High Mast Lighting</b> <small>(26 56 13 00-0001)</small>		
<b>26 56 13 00-0701</b> <b>High Mast Lighting Assemblies</b> <small>(26 56 13 00-0700)</small> Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole.		
26 56 13 00-0702     EA    60' High Mast Lighting Assembly.....	54,476.61	1,704.07
26 56 13 00-0703     EA    70' High Mast Lighting Assembly.....	57,549.69	1,784.76
26 56 13 00-0704     EA    80' High Mast Lighting Assembly.....	60,644.74	1,901.33



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0705	EA		90' High Mast Lighting Assembly .....	63,759.88	2,053.76
26 56 13 00-0706	EA		100' High Mast Lighting Assembly .....	66,883.51	2,242.00
26 56 13 00-0707	EA		110' High Mast Lighting Assembly .....	70,902.38	2,466.37
26 56 13 00-0708	EA		120' High Mast Lighting Assembly .....	74,136.51	2,690.55
26 56 13 00-0709	EA		130' High Mast Lighting Assembly .....	77,117.30	2,914.74
26 56 13 00-0710	EA		140' High Mast Lighting Assembly .....	80,351.41	3,139.03
26 56 13 00-0711	EA		150' High Mast Lighting Assembly .....	84,302.40	3,363.22
<b>26 56 13 00-0712</b>			<b>High Mast Light Poles</b> (26 56 13 00-0700)		
26 56 13 00-0713	EA		60' High Mast Light Poles .....	20,460.07	1,023.43
26 56 13 00-0714	EA		70' High Mast Light Poles .....	23,508.91	1,071.91
26 56 13 00-0715	EA		80' High Mast Light Poles .....	26,568.96	1,141.93
26 56 13 00-0716	EA		90' High Mast Light Poles .....	29,638.30	1,233.51
26 56 13 00-0717	EA		100' High Mast Light Poles .....	32,718.85	1,346.62
26 56 13 00-0718	EA		110' High Mast Light Poles .....	35,810.57	1,481.28
26 56 13 00-0719	EA		120' High Mast Light Poles .....	38,132.90	1,615.95
26 56 13 00-0720	EA		130' High Mast Light Poles .....	38,449.40	2,994.88
26 56 13 00-0721	EA		140' High Mast Light Poles .....	42,522.33	1,885.27
26 56 13 00-0722	EA		150' High Mast Light Poles .....	45,099.88	2,019.93
<b>26 56 13 00-0723</b>			<b>High Mast Lighting Accessories</b> (26 56 13 00-0700)		
26 56 13 00-0724	EA		Bottom Latching System For High Mast Lighting .....	946.11	
26 56 13 00-0725	EA		Top Latching System For High Mast Lighting .....	2,704.68	
26 56 13 00-0726	EA		Centering Springs For High Mast Lighting .....	2,048.68	
26 56 13 00-0727	EA		Electric Power Cord For High Mast Lighting .....	854.10	
26 56 13 00-0728	EA		Aircraft Warning Lights For High Mast Lighting .....	1,579.18	
26 56 13 00-0729	EA		Internal Motorized Hoist For High Mast Lighting .....	17,751.60	
26 56 13 00-0730	EA		Portable Hoist Motor With Step Down Transformer For High Mast Lighting .....	17,835.45	
<b>26 56 13 00-0731</b>			<b>Concrete Bases</b> (26 56 13 00-0001)		
<b>26 56 13 00-0732</b>			<b>Concrete Bases, Cast In Place</b> (26 56 13 00-0731)		
			Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0733	EA		Cast In Place Concrete Base For Poles Minimum Charge .....	329.55	
			Note: For projects where the cast in place concrete base for poles charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
26 56 13 00-0734	VLF		1-1/2' Diameter Concrete Base For Poles.....	48.53	
26 56 13 00-0735	VLF		2' Diameter Concrete Base For Poles.....	72.85	
26 56 13 00-0736	VLF		2-1/2' Diameter Concrete Base For Poles.....	102.88	
26 56 13 00-0737	VLF		3' Diameter Concrete Base For Poles.....	139.38	
26 56 13 00-0738	VLF		3-1/2' Diameter Concrete Base For Poles.....	185.60	
26 56 13 00-0739	VLF		4' Diameter Concrete Base For Poles.....	235.35	
26 56 13 00-0740	VLF		5' Diameter Concrete Base For Poles.....	347.00	
26 56 13 00-0741	VLF		6' Diameter Concrete Base For Poles.....	481.79	
<b>26 56 13 00-0742</b>			<b>University Lighting Pole Assembly</b> (26 56 13 00-0001)		
26 56 13 00-0743	EA		University Pole Assembly; 4" Round, Smooth Aluminum Modified 0.188" Wall Thickness, 13'-11 3/8" Overall length Pole, Cast Aluminum Anchor Base And Wrap Base With Access Door (Hadco LP9740-14BK).....	6,024.73	253.91
			Note: Includes: Luminaire: Full Top Reflector, 1.7" Camden Adapter, Module Flat Bracket (LP9740D-BLK3SNN74064A3NNNNA); Tenon Adaptor: 4" O.D. Post Fitter With 3" O.D. Fixture Tenon (LA9740-BLK) ; And Twin Banner Arm: 24" Long, 1/2" Schedule 40 Arms With Turned Aluminum End Caps, Cast Aluminum Brackets (LA970A-4BLK24).		
26 56 13 00-0744	EA		University LED Retrofit Assembly; Globe Fitter, 64 LEDs, 4000K (Hadco LA67803B-3SNNNA3NNNNSP1).....	1,128.75	111.54
<b>26 56 17</b>			<b>Fluorescent Exterior Lighting</b> (26 56)		
<b>26 56 17 00-0001</b>			<b>High Abuse Fixtures</b> (26 56 17)		
26 56 17 00-0002	EA		2 Lamp, 32 Watt, 4', Fluorescent Fixture Ceiling/Wall Mount Kenall #SH8-48-2-32-EB .....	326.78	65.80
<b>26 56 18</b>			<b>Incandescent Exterior Lighting</b> (26 56)		
<b>26 56 18 00-0001</b>			<b>Exterior Globe</b> (26 56 18)		
<b>26 56 18 00-0002</b>			<b>Incandescent, Exterior Globe</b> (26 56 18 00-0001)		
26 56 18 00-0003	EA		100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	49.75	17.55
26 56 18 00-0004	EA		150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	78.43	17.55
26 56 18 00-0005	EA		100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	59.28	17.55
26 56 18 00-0006	EA		150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	82.10	17.55
<b>26 56 18 00-0007</b>			<b>Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures</b> (26 56 18)		
			Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 18 00-0008	EA		7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	209.76	70.18
26 56 18 00-0009	EA		9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	218.57	74.57



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 18 00-0010 EA 13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	240.76	78.95
26 56 18 00-0011 EA 75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	233.15	87.73
26 56 18 00-0012 EA 100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	262.11	100.89
26 56 18 00-0013 EA 1 - 13 Watt Lamp, Fluorescent, Vandal Resistant, Surface Mounted, Exterior Area Fixture (Fail-Safe FSP Series).....	229.18	78.95
26 56 18 00-0014 EA 2 - 13 Watt Lamps, Fluorescent, Vandal Resistant, Surface Mounted, Exterior Area Fixture (Fail-Safe FSP Series).....	234.20	78.95
26 56 18 00-0015 EA 1 - 26 Watt Lamp, Fluorescent, Vandal Resistant, Surface Mounted, Exterior Area Fixture (Fail-Safe FSP Series).....	230.35	78.95
26 56 18 00-0016 EA 2 - 26 Watt Lamps, Fluorescent, Vandal Resistant, Surface Mounted, Exterior Area Fixture (Fail-Safe FSP Series).....	236.55	78.95
 <b>26 56 19 LED Exterior Lighting (26 56)</b>		
26 56 19 00-0001 LED, Wall Packs (26 56 19)		
26 56 19 00-0002 Full Cutoff, LED Wall Packs (26 56 19 00-0001)		
26 56 19 00-0003 Full Cutoff, LED Wall Packs (Lithonia) (26 56 19 00-0002)		
26 56 19 00-0004 EA 30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED) .....	906.74	97.60
For >50 To 100, Deduct	-45.34	
For >100 To 250, Deduct	-68.01	
For >250 To 500, Deduct	-108.46	
For >500 To 1000, Deduct	-148.92	
For >1000, Deduct	-189.38	
26 56 19 00-0005 EA 30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED) .....	983.97	97.60
For >50 To 100, Deduct	-49.20	
For >100 To 250, Deduct	-73.80	
For >250 To 500, Deduct	-118.12	
For >500 To 1000, Deduct	-162.44	
For >1000, Deduct	-206.75	
26 56 19 00-0006 Full Cutoff, LED Wall Packs (CREE® BetaLED®) (26 56 19 00-0002)		
26 56 19 00-0007 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) (26 56 19 00-0006)		
Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0008 EA 20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) .....	797.82	94.81
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Bird Spikes, Add	41.21	
For Fuse, Add	50.37	
For 0 To 10 Volt Dimming, Add	50.37	
For 480 Volt, Add	75.56	
For Multi-Level, Add	109.13	
For >50 To 100, Deduct	-39.89	
For >100 To 250, Deduct	-59.84	
For >250 To 500, Deduct	-94.99	
For >500 To 1000, Deduct	-130.14	
For >1000, Deduct	-165.29	
26 56 19 00-0009 EA 40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) .....	1,029.36	100.38
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Bird Spikes, Add	41.77	
For Fuse, Add	50.37	
For 0 To 10 Volt Dimming, Add	50.37	
For 480 Volt, Add	75.56	
For Multi-Level, Add	109.13	
For >50 To 100, Deduct	-51.47	
For >100 To 250, Deduct	-77.20	
For >250 To 500, Deduct	-123.65	
For >500 To 1000, Deduct	-170.10	
For >1000, Deduct	-216.55	
26 56 19 00-0010 EA 60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) .....	1,154.33	105.96
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Bird Spikes, Add	42.33	
For Fuse, Add	50.37	
For 0 To 10 Volt Dimming, Add	50.37	
For 480 Volt, Add	75.56	
For Multi-Level, Add	109.13	
For >50 To 100, Deduct	-57.72	
For >100 To 250, Deduct	-86.57	
For >250 To 500, Deduct	-138.99	
For >500 To 1000, Deduct	-191.41	
For >1000, Deduct	-243.83	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0011	EA		80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,492.40	111.54
			Note: Includes 350mA or 525mA driver.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
			For Bird Spikes, Add	42.88	
			For Fuse, Add	50.37	
			For 0 To 10 Volt Dimming, Add	50.37	
			For 480 Volt, Add	75.56	
			For Multi-Level, Add	109.13	
			For >50 To 100, Deduct	-74.62	
			For >100 To 250, Deduct	-111.93	
			For >250 To 500, Deduct	-180.97	
			For >500 To 1000, Deduct	-250.02	
			For >1000, Deduct	-319.06	
26 56 19 00-0012	EA		100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,723.93	117.11
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
			For Bird Spikes, Add	43.44	
			For Fuse, Add	50.37	
			For 0 To 10 Volt Dimming, Add	50.37	
			For 480 Volt, Add	75.56	
			For Multi-Level, Add	109.13	
			For >50 To 100, Deduct	-86.20	
			For >100 To 250, Deduct	-129.29	
			For >250 To 500, Deduct	-209.64	
			For >500 To 1000, Deduct	-289.98	
			For >1000, Deduct	-370.32	
26 56 19 00-0013	EA		120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,955.44	122.69
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
			For Bird Spikes, Add	44.00	
			For Fuse, Add	50.37	
			For 0 To 10 Volt Dimming, Add	50.37	
			For 480 Volt, Add	75.56	
			For Multi-Level, Add	109.13	
			For >50 To 100, Deduct	-97.77	
			For >100 To 250, Deduct	-146.66	
			For >250 To 500, Deduct	-238.30	
			For >500 To 1000, Deduct	-329.93	
			For >1000, Deduct	-421.57	
26 56 19 00-0014			<b>Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™)</b> <small>(26 56 19 00-0008)</small>		
			Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0015	EA		25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	470.58	94.81
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
			For 0 To 10 Volt Dimming, Add	50.37	
			For Multi-Level, Add	50.37	
			For >50 To 100, Deduct	-23.53	
			For >100 To 250, Deduct	-35.29	
			For >250 To 500, Deduct	-54.08	
			For >500 To 1000, Deduct	-72.87	
			For >1000, Deduct	-91.66	
26 56 19 00-0016	EA		42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	547.30	100.38
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
			For 0 To 10 Volt Dimming, Add	50.37	
			For Multi-Level, Add	50.37	
			For >50 To 100, Deduct	-27.37	
			For >100 To 250, Deduct	-41.05	
			For >250 To 500, Deduct	-63.39	
			For >500 To 1000, Deduct	-85.74	
			For >1000, Deduct	-108.08	
26 56 19 00-0017			<b>Open Face LED Wall Pack</b> <small>(26 56 19 00-0001)</small>		
			Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
26 56 19 00-0018	EA		3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS).....	657.73	96.04
			For >50 To 100, Deduct	-32.89	
			For >100 To 250, Deduct	-49.33	
			For >250 To 500, Deduct	-75.01	
			For >500 To 1000, Deduct	-100.70	
			For >1000, Deduct	-126.38	
26 56 19 00-0019	EA		5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS).....	712.41	96.04
			For >50 To 100, Deduct	-35.62	
			For >100 To 250, Deduct	-53.43	
			For >250 To 500, Deduct	-81.85	
			For >500 To 1000, Deduct	-110.27	
			For >1000, Deduct	-138.68	
26 56 19 00-0020	EA		7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS).....	741.05	96.04
			For >50 To 100, Deduct	-37.05	
			For >100 To 250, Deduct	-55.58	
			For >250 To 500, Deduct	-85.43	
			For >500 To 1000, Deduct	-115.28	
			For >1000, Deduct	-145.13	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0021 EA 11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS).....	764.28	96.04
For >50 To 100, Deduct	-38.21	
For >100 To 250, Deduct	-57.32	
For >250 To 500, Deduct	-88.33	
For >500 To 1000, Deduct	-119.34	
For >1000, Deduct	-150.35	
26 56 19 00-0022 EA 16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS).....	938.48	96.04
For >50 To 100, Deduct	-46.92	
For >100 To 250, Deduct	-70.39	
For >250 To 500, Deduct	-110.11	
For >500 To 1000, Deduct	-149.83	
For >1000, Deduct	-189.55	
<b>26 56 19 00-0023 LED Wall Packs (Lithonia Lightinig) (26 56 19 00-0001)</b>		
26 56 19 00-0024 EA 28 Watt, 4000K CCT, Adjustable Lumen Output, LED Wall Packs (Lithonia Lighting TWR1 LED ALO 40K MVOLT DDBTXD M2).....	395.45	84.03
For >50 To 100, Deduct	-19.77	
For >100 To 250, Deduct	-29.66	
For >250 To 500, Deduct	-45.23	
For >500 To 1000, Deduct	-60.80	
For >1000, Deduct	-76.37	
26 56 19 00-0025 EA 28 Watt, 5000K CCT, Adjustable Lumen Output, LED Wall Packs (Lithonia Lighting TWR1 LED ALO 50K MVOLT DDBTXD M2).....	395.45	84.03
For >50 To 100, Deduct	-19.77	
For >100 To 250, Deduct	-29.66	
For >250 To 500, Deduct	-45.23	
For >500 To 1000, Deduct	-60.80	
For >1000, Deduct	-76.37	
26 56 19 00-0026 EA 3,442 Lumens, 28 Watt, 4000K CCT, LED Wall Packs (Lithonia Lighting TWR1 LED P2 40K MVOLT DDBTXD M2).....	395.45	84.03
For >50 To 100, Deduct	-19.77	
For >100 To 250, Deduct	-29.66	
For >250 To 500, Deduct	-45.23	
For >500 To 1000, Deduct	-60.80	
For >1000, Deduct	-76.37	
26 56 19 00-0027 EA 3,519 Lumens, 28 Watt, 5000K CCT, LED Wall Packs (Lithonia Lighting TWR1 LED P2 50K MVOLT DDBTXD M2).....	395.45	84.03
For >50 To 100, Deduct	-19.77	
For >100 To 250, Deduct	-29.66	
For >250 To 500, Deduct	-45.23	
For >500 To 1000, Deduct	-60.80	
For >1000, Deduct	-76.37	
26 56 19 00-0028 EA 4,466 Lumens, 40 Watt, 4000K CCT, LED Wall Packs (Lithonia Lighting TWR1 LED P3 40K MVOLT DDBTXD M2).....	432.13	84.03
For >50 To 100, Deduct	-21.61	
For >100 To 250, Deduct	-32.41	
For >250 To 500, Deduct	-49.81	
For >500 To 1000, Deduct	-67.22	
For >1000, Deduct	-84.62	
26 56 19 00-0029 EA 4,554 Lumens, 40 Watt, 5000K CCT, LED Wall Packs (Lithonia Lighting TWR1 LED P3 50K MVOLT DDBTXD M2).....	432.13	84.03
For >50 To 100, Deduct	-21.61	
For >100 To 250, Deduct	-32.41	
For >250 To 500, Deduct	-49.81	
For >500 To 1000, Deduct	-67.22	
For >1000, Deduct	-84.62	
26 56 19 00-0030 EA 5,551 Lumens, 49 Watt, 4000K CCT, LED Wall Packs (Lithonia Lighting TWR1 LED P4 40K MVOLT DDBTXD M2).....	468.80	84.03
For >50 To 100, Deduct	-23.44	
For >100 To 250, Deduct	-35.16	
For >250 To 500, Deduct	-54.40	
For >500 To 1000, Deduct	-73.64	
For >1000, Deduct	-92.87	
26 56 19 00-0031 EA 5,695 Lumens, 49 Watt, 5000K CCT, LED Wall Packs (Lithonia Lighting TWR1 LED P4 50K MVOLT DDBTXD M2).....	468.80	84.03
For >50 To 100, Deduct	-23.44	
For >100 To 250, Deduct	-35.16	
For >250 To 500, Deduct	-54.40	
For >500 To 1000, Deduct	-73.64	
For >1000, Deduct	-92.87	
26 56 19 00-0032 EA 8,150 Lumens, 64 Watt, 4000K CCT, LED Wall Packs (Lithonia Lighting TWR2 LED P1 40K MVOLT DDBTXD M2).....	505.47	84.03
For >50 To 100, Deduct	-25.27	
For >100 To 250, Deduct	-37.91	
For >250 To 500, Deduct	-58.98	
For >500 To 1000, Deduct	-80.05	
For >1000, Deduct	-101.13	
26 56 19 00-0033 EA 8,150 Lumens, 64 Watt, 4000K CCT, LED Wall Packs (Lithonia Lighting TWR2 LED P1 50K MVOLT DDBTXD M2).....	505.47	84.03
For >50 To 100, Deduct	-25.27	
For >100 To 250, Deduct	-37.91	
For >250 To 500, Deduct	-58.98	
For >500 To 1000, Deduct	-80.05	
For >1000, Deduct	-101.13	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0034	EA	9,700 Lumens, 73 Watt, 4000K CCT, LED Wall Packs (Lithonia Lighting TWR2 LED P2 40K MVOLT DDBTXD M2) .....	587.99	84.03
		For >50 To 100, Deduct	-29.40	
		For >100 To 250, Deduct	-44.10	
		For >250 To 500, Deduct	-69.30	
		For >500 To 1000, Deduct	-94.49	
		For >1000, Deduct	-119.69	
26 56 19 00-0035	EA	9,700 Lumens, 73 Watt, 5000K CCT, LED Wall Packs (Lithonia Lighting TWR2 LED P2 50K MVOLT DDBTXD M2) .....	587.99	84.03
		For >50 To 100, Deduct	-29.40	
		For >100 To 250, Deduct	-44.10	
		For >250 To 500, Deduct	-69.30	
		For >500 To 1000, Deduct	-94.49	
		For >1000, Deduct	-119.69	
<b>26 56 19 00-0036</b>		<b>Wall Pack Accessories</b> (26 56 19 00-0001)		
26 56 19 00-0037	EA	Photocell For Wall Pack .....	123.19	24.01
26 56 19 00-0038	EA	Wire Guard For Mini And Small Wall Pack .....	138.90	24.01
26 56 19 00-0039	EA	Wire Guard For Medium And Large Wall Pack .....	204.61	24.01
26 56 19 00-0040	EA	Clear Polycarbonate Vandal Guard For Wall Packs .....	299.43	24.01
26 56 19 00-0041	EA	Full Cutoff Visor For Wall Pack .....	134.61	24.01
<b>26 56 19 00-0042</b>		<b>Wall Pack LED Fixtures (Jarvis WMFT)</b> (26 56 19 00-0001)		
26 56 19 00-0043	EA	3,200 Lumens, 25 Watt, 1 LED, Wall Mounted Security Fixture (Jarvis Corp WMFT-100) .....	300.61	70.18
		For >50 To 100, Deduct	-15.03	
		For >100 To 250, Deduct	-22.55	
		For >250 To 500, Deduct	-34.07	
		For >500 To 1000, Deduct	-45.59	
		For >1000, Deduct	-57.11	
26 56 19 00-0044	EA	6,451 Lumens, 52 Watt, 2 LEDs, Wall Mounted Security Fixture (Jarvis Corp WMFT-250) .....	336.24	70.18
		For >50 To 100, Deduct	-16.81	
		For >100 To 250, Deduct	-25.22	
		For >250 To 500, Deduct	-38.52	
		For >500 To 1000, Deduct	-51.82	
		For >1000, Deduct	-65.13	
26 56 19 00-0045	EA	9,503 Lumens, 77 Watt, 3 LEDs, Wall Mounted Security Fixture (Jarvis Corp WMFT-350) .....	389.69	70.18
		For >50 To 100, Deduct	-19.48	
		For >100 To 250, Deduct	-29.23	
		For >250 To 500, Deduct	-45.20	
		For >500 To 1000, Deduct	-61.18	
		For >1000, Deduct	-77.15	
26 56 19 00-0046	EA	5,235 Lumens, 54 Watt, 2 LEDs, Wall Mounted Security Fixture (Jarvis Corp WMFT-250-HV) .....	362.96	70.18
		For >50 To 100, Deduct	-18.15	
		For >100 To 250, Deduct	-27.22	
		For >250 To 500, Deduct	-41.86	
		For >500 To 1000, Deduct	-56.50	
		For >1000, Deduct	-71.14	
26 56 19 00-0047		<b>LED, Roadway Lighting</b> (26 56 19)		
26 56 19 00-0048		<b>LED Roadway Lighting (Philips Lumec)</b> (26 56 19 00-0047)		
26 56 19 00-0049		<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series)</b> (26 56 19 00-0048)		
		Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0050	EA	49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series) .....	1,503.24	134.12
		For >50 To 100, Deduct	-75.16	
		For >100 To 250, Deduct	-112.74	
		For >250 To 500, Deduct	-181.20	
		For >500 To 1000, Deduct	-249.66	
		For >1000, Deduct	-318.11	
26 56 19 00-0051	EA	98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series) .....	2,382.69	137.74
		For >50 To 100, Deduct	-119.13	
		For >100 To 250, Deduct	-178.70	
		For >250 To 500, Deduct	-290.95	
		For >500 To 1000, Deduct	-403.20	
		For >1000, Deduct	-515.44	
26 56 19 00-0052		<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series)</b> (26 56 19 00-0048)		
		Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0053	EA	48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series) .....	1,074.53	134.12
		For >50 To 100, Deduct	-53.73	
		For >100 To 250, Deduct	-80.59	
		For >250 To 500, Deduct	-127.61	
		For >500 To 1000, Deduct	-174.63	
		For >1000, Deduct	-221.65	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0054 EA 48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series).....	1,074.53	134.12
For >50 To 100, Deduct	-53.73	
For >100 To 250, Deduct	-80.59	
For >250 To 500, Deduct	-127.61	
For >500 To 1000, Deduct	-174.63	
For >1000, Deduct	-221.65	
26 56 19 00-0055 EA 48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series).....	1,074.53	134.12
For >50 To 100, Deduct	-53.73	
For >100 To 250, Deduct	-80.59	
For >250 To 500, Deduct	-127.61	
For >500 To 1000, Deduct	-174.63	
For >1000, Deduct	-221.65	
<b>26 56 19 00-0056 LED Roadway Lighting (Lithonia) (26 56 19 00-0047)</b>		
<b>26 56 19 00-0057 Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) (26 56 19 00-0056)</b>		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0058 EA 30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	2,217.73	126.87
For >50 To 100, Deduct	-110.89	
For >100 To 250, Deduct	-166.33	
For >250 To 500, Deduct	-270.87	
For >500 To 1000, Deduct	-375.42	
For >1000, Deduct	-479.96	
26 56 19 00-0059 EA 60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	3,706.56	130.50
For >50 To 100, Deduct	-185.33	
For >100 To 250, Deduct	-277.99	
For >250 To 500, Deduct	-456.80	
For >500 To 1000, Deduct	-635.60	
For >1000, Deduct	-814.40	
<b>26 56 19 00-0060 LED Roadway Lighting (CREE® BetaLED®) (26 56 19 00-0047)</b>		
<b>26 56 19 00-0061 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) (26 56 19 00-0060)</b>		
Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		
26 56 19 00-0062 EA 20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	733.37	123.25
For >50 To 100, Deduct	-36.67	
For >100 To 250, Deduct	-55.00	
For >250 To 500, Deduct	-85.51	
For >500 To 1000, Deduct	-116.01	
For >1000, Deduct	-146.52	
26 56 19 00-0063 EA 30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	823.18	126.87
For >50 To 100, Deduct	-41.16	
For >100 To 250, Deduct	-61.74	
For >250 To 500, Deduct	-96.55	
For >500 To 1000, Deduct	-131.37	
For >1000, Deduct	-166.19	
26 56 19 00-0064 EA 40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	931.50	130.50
For >50 To 100, Deduct	-46.58	
For >100 To 250, Deduct	-69.86	
For >250 To 500, Deduct	-109.91	
For >500 To 1000, Deduct	-149.96	
For >1000, Deduct	-190.01	
26 56 19 00-0065 EA 50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,022.74	134.12
For >50 To 100, Deduct	-51.14	
For >100 To 250, Deduct	-76.71	
For >250 To 500, Deduct	-121.14	
For >500 To 1000, Deduct	-165.57	
For >1000, Deduct	-210.00	
26 56 19 00-0066 EA 60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,113.98	137.74
For >50 To 100, Deduct	-55.70	
For >100 To 250, Deduct	-83.55	
For >250 To 500, Deduct	-132.36	
For >500 To 1000, Deduct	-181.17	
For >1000, Deduct	-229.98	
26 56 19 00-0067 EA 70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,330.50	141.37
For >50 To 100, Deduct	-66.53	
For >100 To 250, Deduct	-99.79	
For >250 To 500, Deduct	-159.24	
For >500 To 1000, Deduct	-218.70	
For >1000, Deduct	-278.16	

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 56</b>	<b>Exterior Lighting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	19 00-0068	EA	80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,421.74	144.99
			<i>For &gt;50 To 100, Deduct</i>	-71.09	
			<i>For &gt;100 To 250, Deduct</i>	-106.63	
			<i>For &gt;250 To 500, Deduct</i>	-170.47	
			<i>For &gt;500 To 1000, Deduct</i>	-234.31	
			<i>For &gt;1000, Deduct</i>	-298.14	
26 56	19 00-0069	EA	90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,511.56	148.62
			<i>For &gt;50 To 100, Deduct</i>	-75.58	
			<i>For &gt;100 To 250, Deduct</i>	-113.37	
			<i>For &gt;250 To 500, Deduct</i>	-181.51	
			<i>For &gt;500 To 1000, Deduct</i>	-249.66	
			<i>For &gt;1000, Deduct</i>	-317.81	
26 56	19 00-0070	EA	100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,686.80	152.25
			<i>For &gt;50 To 100, Deduct</i>	-84.34	
			<i>For &gt;100 To 250, Deduct</i>	-126.51	
			<i>For &gt;250 To 500, Deduct</i>	-203.24	
			<i>For &gt;500 To 1000, Deduct</i>	-279.97	
			<i>For &gt;1000, Deduct</i>	-356.69	
26 56	19 00-0071	EA	110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,778.04	155.87
			<i>For &gt;50 To 100, Deduct</i>	-88.90	
			<i>For &gt;100 To 250, Deduct</i>	-133.35	
			<i>For &gt;250 To 500, Deduct</i>	-214.46	
			<i>For &gt;500 To 1000, Deduct</i>	-295.57	
			<i>For &gt;1000, Deduct</i>	-376.68	
26 56	19 00-0072	EA	120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,869.28	159.50
			<i>For &gt;50 To 100, Deduct</i>	-93.46	
			<i>For &gt;100 To 250, Deduct</i>	-140.20	
			<i>For &gt;250 To 500, Deduct</i>	-225.69	
			<i>For &gt;500 To 1000, Deduct</i>	-311.17	
			<i>For &gt;1000, Deduct</i>	-396.66	
26 56	19 00-0073		<b>Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG)</b> <small>(26 56 19 00-0060)</small>		
			Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56	19 00-0074	EA	40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,451.11	130.50
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-72.56	
			<i>For &gt;100 To 250, Deduct</i>	-108.83	
			<i>For &gt;250 To 500, Deduct</i>	-174.86	
			<i>For &gt;500 To 1000, Deduct</i>	-240.89	
			<i>For &gt;1000, Deduct</i>	-306.93	
26 56	19 00-0075	EA	60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,674.88	137.74
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-83.74	
			<i>For &gt;100 To 250, Deduct</i>	-125.62	
			<i>For &gt;250 To 500, Deduct</i>	-202.47	
			<i>For &gt;500 To 1000, Deduct</i>	-279.33	
			<i>For &gt;1000, Deduct</i>	-356.19	
26 56	19 00-0076	EA	80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,898.65	144.99
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-94.93	
			<i>For &gt;100 To 250, Deduct</i>	-142.40	
			<i>For &gt;250 To 500, Deduct</i>	-230.08	
			<i>For &gt;500 To 1000, Deduct</i>	-317.76	
			<i>For &gt;1000, Deduct</i>	-405.45	
26 56	19 00-0077	EA	100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,122.41	152.25
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-106.12	
			<i>For &gt;100 To 250, Deduct</i>	-159.18	
			<i>For &gt;250 To 500, Deduct</i>	-257.69	
			<i>For &gt;500 To 1000, Deduct</i>	-356.20	
			<i>For &gt;1000, Deduct</i>	-454.71	
26 56	19 00-0078	EA	120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,790.34	159.50
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-139.52	
			<i>For &gt;100 To 250, Deduct</i>	-209.28	
			<i>For &gt;250 To 500, Deduct</i>	-340.82	
			<i>For &gt;500 To 1000, Deduct</i>	-472.36	
			<i>For &gt;1000, Deduct</i>	-603.90	
26 56	19 00-0079	EA	140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,014.11	166.74
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-150.71	
			<i>For &gt;100 To 250, Deduct</i>	-226.06	
			<i>For &gt;250 To 500, Deduct</i>	-368.43	
			<i>For &gt;500 To 1000, Deduct</i>	-510.79	
			<i>For &gt;1000, Deduct</i>	-653.16	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0080 EA 160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,237.88	173.99
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-161.89	
For >100 To 250, Deduct	-242.84	
For >250 To 500, Deduct	-396.04	
For >500 To 1000, Deduct	-549.23	
For >1000, Deduct	-702.42	
<b>26 56 19 00-0081 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) <small>(26 56 19 00-0060)</small></b>		
Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0082 EA 4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	611.82	130.50
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Backlight Control Shield, Add	28.92	
For Field Adjustable Output, Add	25.19	
For Bird Spikes, Add	44.78	
For Field Adjustable Output And Utility Label, Add	33.58	
For Fuse, Add	50.37	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	50.37	
For 480 Volt, Add	75.56	
For Multi-Level, Add	109.13	
For >50 To 100, Deduct	-30.59	
For >100 To 250, Deduct	-45.89	
For >250 To 500, Deduct	-69.95	
For >500 To 1000, Deduct	-94.02	
For >1000, Deduct	-118.09	
26 56 19 00-0083 EA 5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	611.82	130.50
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Backlight Control Shield, Add	28.92	
For Field Adjustable Output, Add	25.19	
For Bird Spikes, Add	44.78	
For Field Adjustable Output And Utility Label, Add	33.58	
For Fuse, Add	50.37	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	50.37	
For 480 Volt, Add	75.56	
For Multi-Level, Add	109.13	
For >50 To 100, Deduct	-30.59	
For >100 To 250, Deduct	-45.89	
For >250 To 500, Deduct	-69.95	
For >500 To 1000, Deduct	-94.02	
For >1000, Deduct	-118.09	
26 56 19 00-0084 EA 8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	675.28	130.50
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Backlight Control Shield, Add	28.92	
For Field Adjustable Output, Add	25.19	
For Bird Spikes, Add	44.78	
For Field Adjustable Output And Utility Label, Add	33.58	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	50.37	
For 480 Volt, Add	75.56	
For >50 To 100, Deduct	-33.76	
For >100 To 250, Deduct	-50.65	
For >250 To 500, Deduct	-77.89	
For >500 To 1000, Deduct	-105.12	
For >1000, Deduct	-132.36	
26 56 19 00-0085 EA 8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	675.28	130.50
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Backlight Control Shield, Add	28.92	
For Field Adjustable Output, Add	25.19	
For Bird Spikes, Add	44.78	
For Field Adjustable Output And Utility Label, Add	33.58	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	50.37	
For 480 Volt, Add	75.56	
For >50 To 100, Deduct	-33.76	
For >100 To 250, Deduct	-50.65	
For >250 To 500, Deduct	-77.89	
For >500 To 1000, Deduct	-105.12	
For >1000, Deduct	-132.36	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 56 19 00-0086	EA	9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	788.10		130.50
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78		
		<i>For Field Adjustable Output, Add</i>	25.19		
		<i>For Backlight Control Shield, Add</i>	41.25		
		<i>For Field Adjustable Output And Utility Label, Add</i>	33.58		
		<i>For Fuse, Add</i>	50.37		
		<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37		
		<i>For Bird Spikes, Add</i>	73.00		
		<i>For 480 Volt, Add</i>	75.56		
		<i>For Multi-Level, Add</i>	109.13		
		<i>For &gt;50 To 100, Deduct</i>	-39.41		
		<i>For &gt;100 To 250, Deduct</i>	-59.11		
		<i>For &gt;250 To 500, Deduct</i>	-91.99		
		<i>For &gt;500 To 1000, Deduct</i>	-124.87		
		<i>For &gt;1000, Deduct</i>	-157.75		
26 56 19 00-0087	EA	10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	788.10		130.50
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78		
		<i>For Field Adjustable Output, Add</i>	25.19		
		<i>For Backlight Control Shield, Add</i>	41.25		
		<i>For Field Adjustable Output And Utility Label, Add</i>	33.58		
		<i>For Fuse, Add</i>	50.37		
		<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37		
		<i>For Bird Spikes, Add</i>	73.00		
		<i>For 480 Volt, Add</i>	75.56		
		<i>For Multi-Level, Add</i>	109.13		
		<i>For &gt;50 To 100, Deduct</i>	-39.41		
		<i>For &gt;100 To 250, Deduct</i>	-59.11		
		<i>For &gt;250 To 500, Deduct</i>	-91.99		
		<i>For &gt;500 To 1000, Deduct</i>	-124.87		
		<i>For &gt;1000, Deduct</i>	-157.75		
26 56 19 00-0088	EA	13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	893.89		130.50
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78		
		<i>For Field Adjustable Output, Add</i>	25.19		
		<i>For Backlight Control Shield, Add</i>	41.25		
		<i>For Field Adjustable Output And Utility Label, Add</i>	33.58		
		<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37		
		<i>For Bird Spikes, Add</i>	73.00		
		<i>For 480 Volt, Add</i>	75.56		
		<i>For &gt;50 To 100, Deduct</i>	-44.69		
		<i>For &gt;100 To 250, Deduct</i>	-67.04		
		<i>For &gt;250 To 500, Deduct</i>	-105.21		
		<i>For &gt;500 To 1000, Deduct</i>	-143.38		
		<i>For &gt;1000, Deduct</i>	-181.55		
26 56 19 00-0089	EA	14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	893.89		130.50
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78		
		<i>For Field Adjustable Output, Add</i>	25.19		
		<i>For Backlight Control Shield, Add</i>	41.25		
		<i>For Field Adjustable Output And Utility Label, Add</i>	33.58		
		<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37		
		<i>For Bird Spikes, Add</i>	73.00		
		<i>For 480 Volt, Add</i>	75.56		
		<i>For &gt;50 To 100, Deduct</i>	-44.69		
		<i>For &gt;100 To 250, Deduct</i>	-67.04		
		<i>For &gt;250 To 500, Deduct</i>	-105.21		
		<i>For &gt;500 To 1000, Deduct</i>	-143.38		
		<i>For &gt;1000, Deduct</i>	-181.55		
26 56 19 00-0090	EA	2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	498.99		130.50
		<i>For Utility Label, Add</i>	8.39		
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78		
		<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	25.19		
		<i>For 0 To 10 Volt Dimming, Add</i>	50.37		
		<i>For &gt;50 To 100, Deduct</i>	-24.95		
		<i>For &gt;100 To 250, Deduct</i>	-37.42		
		<i>For &gt;250 To 500, Deduct</i>	-55.85		
		<i>For &gt;500 To 1000, Deduct</i>	-74.27		
		<i>For &gt;1000, Deduct</i>	-92.70		
26 56 19 00-0091	EA	2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	498.99		130.50
		<i>For Utility Label, Add</i>	8.39		
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78		
		<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	25.19		
		<i>For 0 To 10 Volt Dimming, Add</i>	50.37		
		<i>For &gt;50 To 100, Deduct</i>	-24.95		
		<i>For &gt;100 To 250, Deduct</i>	-37.42		
		<i>For &gt;250 To 500, Deduct</i>	-55.85		
		<i>For &gt;500 To 1000, Deduct</i>	-74.27		
		<i>For &gt;1000, Deduct</i>	-92.70		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0092 EA 3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C).....	525.44	130.50
For Utility Label, Add	8.39	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	25.19	
For 0 To 10 Volt Dimming, Add	50.37	
For >50 To 100, Deduct	-26.27	
For >100 To 250, Deduct	-39.41	
For >250 To 500, Deduct	-59.16	
For >500 To 1000, Deduct	-78.90	
For >1000, Deduct	-98.65	
26 56 19 00-0093 EA 4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C).....	525.44	130.50
For Utility Label, Add	8.39	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	25.19	
For 0 To 10 Volt Dimming, Add	50.37	
For >50 To 100, Deduct	-26.27	
For >100 To 250, Deduct	-39.41	
For >250 To 500, Deduct	-59.16	
For >500 To 1000, Deduct	-78.90	
For >1000, Deduct	-98.65	
26 56 19 00-0094 EA 4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	534.25	130.50
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Field Adjustable Output, Add	25.19	
For Field Adjustable Output And Utility Label, Add	33.58	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	50.37	
For 0 To 10 Volt Dimming, Add	50.37	
For >50 To 100, Deduct	-26.71	
For >100 To 250, Deduct	-40.07	
For >250 To 500, Deduct	-60.26	
For >500 To 1000, Deduct	-80.44	
For >1000, Deduct	-100.63	
26 56 19 00-0095 EA 4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	534.25	130.50
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Field Adjustable Output, Add	25.19	
For Field Adjustable Output And Utility Label, Add	33.58	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	50.37	
For 0 To 10 Volt Dimming, Add	50.37	
For >50 To 100, Deduct	-26.71	
For >100 To 250, Deduct	-40.07	
For >250 To 500, Deduct	-60.26	
For >500 To 1000, Deduct	-80.44	
For >1000, Deduct	-100.63	
<b>26 56 19 00-0096 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)</b>		
<small>(26 56 19 00-0060)</small>		
Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.		
26 56 19 00-0097 EA 3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N).....	516.62	130.50
For Field Adjustable Output, Add	25.19	
For Backlight Control Shield, Add	55.03	
For Bird Spikes, Add	73.49	
For >50 To 100, Deduct	-25.83	
For >100 To 250, Deduct	-38.75	
For >250 To 500, Deduct	-58.05	
For >500 To 1000, Deduct	-77.36	
For >1000, Deduct	-96.67	
26 56 19 00-0098 EA 3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N).....	516.62	130.50
For Field Adjustable Output, Add	25.19	
For Backlight Control Shield, Add	55.03	
For Bird Spikes, Add	73.49	
For >50 To 100, Deduct	-25.83	
For >100 To 250, Deduct	-38.75	
For >250 To 500, Deduct	-58.05	
For >500 To 1000, Deduct	-77.36	
For >1000, Deduct	-96.67	
26 56 19 00-0099 EA 5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N).....	534.25	130.50
For Field Adjustable Output, Add	25.19	
For Backlight Control Shield, Add	55.03	
For Bird Spikes, Add	73.49	
For >50 To 100, Deduct	-26.71	
For >100 To 250, Deduct	-40.07	
For >250 To 500, Deduct	-60.26	
For >500 To 1000, Deduct	-80.44	
For >1000, Deduct	-100.63	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0100	EA		5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N).....	534.25	130.50
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Backlight Control Shield, Add</i>	55.03	
			<i>For Bird Spikes, Add</i>	73.49	
			<i>For &gt;50 To 100, Deduct</i>	-26.71	
			<i>For &gt;100 To 250, Deduct</i>	-40.07	
			<i>For &gt;250 To 500, Deduct</i>	-60.26	
			<i>For &gt;500 To 1000, Deduct</i>	-80.44	
			<i>For &gt;1000, Deduct</i>	-100.63	
26 56 19 00-0101			<b>LED Roadway Lighting (Cooper Lighting)</b> <small>(26 56 19 00-0047)</small>		
26 56 19 00-0102			<b>Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™)</b> <small>(26 56 19 00-0101)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0103	EA		1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	936.36	130.50
			<i>For &gt;50 To 100, Deduct</i>	-46.82	
			<i>For &gt;100 To 250, Deduct</i>	-70.23	
			<i>For &gt;250 To 500, Deduct</i>	-110.52	
			<i>For &gt;500 To 1000, Deduct</i>	-150.81	
			<i>For &gt;1000, Deduct</i>	-191.11	
26 56 19 00-0104	EA		2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,285.14	144.99
			<i>For &gt;50 To 100, Deduct</i>	-64.26	
			<i>For &gt;100 To 250, Deduct</i>	-96.39	
			<i>For &gt;250 To 500, Deduct</i>	-153.39	
			<i>For &gt;500 To 1000, Deduct</i>	-210.40	
			<i>For &gt;1000, Deduct</i>	-267.41	
26 56 19 00-0105	EA		3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,372.88	166.74
			<i>For &gt;50 To 100, Deduct</i>	-68.64	
			<i>For &gt;100 To 250, Deduct</i>	-102.97	
			<i>For &gt;250 To 500, Deduct</i>	-163.27	
			<i>For &gt;500 To 1000, Deduct</i>	-223.58	
			<i>For &gt;1000, Deduct</i>	-283.89	
26 56 19 00-0106	EA		4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	2,076.21	181.25
			<i>For &gt;50 To 100, Deduct</i>	-103.81	
			<i>For &gt;100 To 250, Deduct</i>	-155.72	
			<i>For &gt;250 To 500, Deduct</i>	-250.46	
			<i>For &gt;500 To 1000, Deduct</i>	-345.21	
			<i>For &gt;1000, Deduct</i>	-439.96	
26 56 19 00-0107	EA		6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	2,738.79	206.34
			<i>For &gt;50 To 100, Deduct</i>	-136.94	
			<i>For &gt;100 To 250, Deduct</i>	-205.41	
			<i>For &gt;250 To 500, Deduct</i>	-332.03	
			<i>For &gt;500 To 1000, Deduct</i>	-458.65	
			<i>For &gt;1000, Deduct</i>	-585.28	
26 56 19 00-0108			<b>LED Roadway Lighting (PlanLED)</b> <small>(26 56 19 00-0047)</small>		
26 56 19 00-0109			<b>Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA)</b> <small>(26 56 19 00-0108)</small>		
			Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0110	EA		8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W).....	1,140.40	126.87
			<i>For &gt;50 To 100, Deduct</i>	-57.02	
			<i>For &gt;100 To 250, Deduct</i>	-85.53	
			<i>For &gt;250 To 500, Deduct</i>	-136.21	
			<i>For &gt;500 To 1000, Deduct</i>	-186.88	
			<i>For &gt;1000, Deduct</i>	-237.56	
26 56 19 00-0111	EA		11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W).....	1,245.33	128.27
			<i>For &gt;50 To 100, Deduct</i>	-62.27	
			<i>For &gt;100 To 250, Deduct</i>	-93.40	
			<i>For &gt;250 To 500, Deduct</i>	-149.25	
			<i>For &gt;500 To 1000, Deduct</i>	-205.11	
			<i>For &gt;1000, Deduct</i>	-260.96	
26 56 19 00-0112	EA		15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W).....	1,327.43	130.50
			<i>For &gt;50 To 100, Deduct</i>	-66.37	
			<i>For &gt;100 To 250, Deduct</i>	-99.56	
			<i>For &gt;250 To 500, Deduct</i>	-159.40	
			<i>For &gt;500 To 1000, Deduct</i>	-219.25	
			<i>For &gt;1000, Deduct</i>	-279.10	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 56 19 00-0113</b> <b>Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA)</b> <small>(26 56 19 00-0108)</small> Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0114    EA    7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060) .....	731.80	123.80
For >50 To 100, Deduct	-36.59	
For >100 To 250, Deduct	-54.89	
For >250 To 500, Deduct	-85.28	
For >500 To 1000, Deduct	-115.68	
For >1000, Deduct	-146.08	
26 56 19 00-0115    EA    10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080) .....	787.33	126.03
For >50 To 100, Deduct	-39.37	
For >100 To 250, Deduct	-59.05	
For >250 To 500, Deduct	-92.11	
For >500 To 1000, Deduct	-125.18	
For >1000, Deduct	-158.24	
26 56 19 00-0116    EA    12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100) .....	875.55	128.27
For >50 To 100, Deduct	-43.78	
For >100 To 250, Deduct	-65.67	
For >250 To 500, Deduct	-103.03	
For >500 To 1000, Deduct	-140.39	
For >1000, Deduct	-177.76	
 <b>26 56 19 00-0117</b> <b>Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META)</b> <small>(26 56 19 00-0108)</small> Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0118    EA    13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100) .....	934.80	128.27
For 0 To 10 Volt Dimming, Add	88.26	
For 480 Volt, Add	88.26	
For >50 To 100, Deduct	-46.74	
For >100 To 250, Deduct	-70.11	
For >250 To 500, Deduct	-110.44	
For >500 To 1000, Deduct	-150.76	
For >1000, Deduct	-191.09	
26 56 19 00-0119    EA    16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130) .....	1,043.28	129.38
For 0 To 10 Volt Dimming, Add	88.26	
For 480 Volt, Add	26.64	
For >50 To 100, Deduct	-52.16	
For >100 To 250, Deduct	-78.25	
For >250 To 500, Deduct	-123.94	
For >500 To 1000, Deduct	-169.64	
For >1000, Deduct	-215.33	
26 56 19 00-0120    EA    19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150) .....	1,127.22	130.50
For 0 To 10 Volt Dimming, Add	88.26	
For 480 Volt, Add	110.30	
For >50 To 100, Deduct	-56.36	
For >100 To 250, Deduct	-84.54	
For >250 To 500, Deduct	-134.38	
For >500 To 1000, Deduct	-184.21	
For >1000, Deduct	-234.05	
 <b>26 56 19 00-0121</b> <b>LED Roadway Lighting (General Electric)</b> <small>(26 56 19 00-0047)</small>		
<b>26 56 19 00-0122</b> <b>Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric)</b> <small>(26 56 19 00-0121)</small> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.		
26 56 19 00-0123    EA    2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY) .....	544.88	123.25
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-27.24	
For >100 To 250, Deduct	-40.87	
For >250 To 500, Deduct	-61.95	
For >500 To 1000, Deduct	-83.03	
For >1000, Deduct	-104.11	
26 56 19 00-0124    EA    3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY) .....	548.21	124.92
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-27.41	
For >100 To 250, Deduct	-41.12	
For >250 To 500, Deduct	-62.28	
For >500 To 1000, Deduct	-83.45	
For >1000, Deduct	-104.61	
26 56 19 00-0125    EA    4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY) .....	572.76	126.87
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-28.64	
For >100 To 250, Deduct	-42.96	
For >250 To 500, Deduct	-65.25	
For >500 To 1000, Deduct	-87.55	
For >1000, Deduct	-109.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0126 EA 5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY) .....	598.07	128.27
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-29.90	
For >100 To 250, Deduct	-44.86	
For >250 To 500, Deduct	-68.35	
For >500 To 1000, Deduct	-91.84	
For >1000, Deduct	-115.33	
26 56 19 00-0127 EA 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY) .....	665.57	131.06
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-33.28	
For >100 To 250, Deduct	-49.92	
For >250 To 500, Deduct	-76.64	
For >500 To 1000, Deduct	-103.37	
For >1000, Deduct	-130.10	
26 56 19 00-0128 EA 8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY) .....	701.59	132.17
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-35.08	
For >100 To 250, Deduct	-52.62	
For >250 To 500, Deduct	-81.09	
For >500 To 1000, Deduct	-109.56	
For >1000, Deduct	-138.03	
26 56 19 00-0129 EA 9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY) .....	769.29	134.12
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-38.46	
For >100 To 250, Deduct	-57.70	
For >250 To 500, Deduct	-89.46	
For >500 To 1000, Deduct	-121.21	
For >1000, Deduct	-152.97	
26 56 19 00-0130 EA 13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY) .....	913.53	137.74
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-45.68	
For >100 To 250, Deduct	-68.51	
For >250 To 500, Deduct	-107.30	
For >500 To 1000, Deduct	-146.09	
For >1000, Deduct	-184.88	
26 56 19 00-0131 EA 19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY) .....	1,078.16	144.99
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-53.91	
For >100 To 250, Deduct	-80.86	
For >250 To 500, Deduct	-127.52	
For >500 To 1000, Deduct	-174.18	
For >1000, Deduct	-220.84	
<b>26 56 19 00-0132 LED Roadway Lighting (Acuity AEL Autobahn) <small>(26 56 19 00-0047)</small></b>		
<b>26 56 19 00-0133 Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) <small>(26 56 19 00-0132)</small></b>		
Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0134 EA 4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70) .....	1,103.64	126.87
For >50 To 100, Deduct	-55.18	
For >100 To 250, Deduct	-82.77	
For >250 To 500, Deduct	-131.61	
For >500 To 1000, Deduct	-180.45	
For >1000, Deduct	-229.29	
26 56 19 00-0135 EA 6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70) .....	1,383.44	130.50
For >50 To 100, Deduct	-69.17	
For >100 To 250, Deduct	-103.76	
For >250 To 500, Deduct	-166.41	
For >500 To 1000, Deduct	-229.05	
For >1000, Deduct	-291.70	
26 56 19 00-0136 EA 9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70) .....	1,952.05	134.12
For >50 To 100, Deduct	-97.60	
For >100 To 250, Deduct	-146.40	
For >250 To 500, Deduct	-237.30	
For >500 To 1000, Deduct	-328.20	
For >1000, Deduct	-419.09	
26 56 19 00-0137 EA 13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70) .....	2,523.86	139.42
For >50 To 100, Deduct	-126.19	
For >100 To 250, Deduct	-189.29	
For >250 To 500, Deduct	-308.51	
For >500 To 1000, Deduct	-427.73	
For >1000, Deduct	-546.96	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0138 EA 17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70).....	3,083.31	143.33
For >50 To 100, Deduct	-154.17	
For >100 To 250, Deduct	-231.25	
For >250 To 500, Deduct	-378.25	
For >500 To 1000, Deduct	-525.25	
For >1000, Deduct	-672.25	
<b>26 56 19 00-0139 LED Roadway Lighting (Leotek) (26 56 19 00-0047)</b>		
<b>26 56 19 00-0140 Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) (26 56 19 00-0139)</b>		
Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56 19 00-0141 EA Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL).....	557.19	126.87
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.38	
For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
For >50 To 100, Deduct	-27.86	
For >100 To 250, Deduct	-41.79	
For >250 To 500, Deduct	-63.31	
For >500 To 1000, Deduct	-84.82	
For >1000, Deduct	-106.34	
26 56 19 00-0142 EA Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL).....	569.83	128.27
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.38	
For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
For >50 To 100, Deduct	-28.49	
For >100 To 250, Deduct	-42.74	
For >250 To 500, Deduct	-64.82	
For >500 To 1000, Deduct	-86.89	
For >1000, Deduct	-108.97	
26 56 19 00-0143 EA Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL).....	610.91	129.10
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.38	
For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
For >50 To 100, Deduct	-30.55	
For >100 To 250, Deduct	-45.82	
For >250 To 500, Deduct	-69.91	
For >500 To 1000, Deduct	-94.00	
For >1000, Deduct	-118.09	
26 56 19 00-0144 EA Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL).....	715.53	134.12
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.38	
For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
For >50 To 100, Deduct	-35.78	
For >100 To 250, Deduct	-53.66	
For >250 To 500, Deduct	-82.74	
For >500 To 1000, Deduct	-111.81	
For >1000, Deduct	-140.88	
26 56 19 00-0145 EA Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL).....	844.94	137.74
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.38	
For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
For >50 To 100, Deduct	-42.25	
For >100 To 250, Deduct	-63.37	
For >250 To 500, Deduct	-98.73	
For >500 To 1000, Deduct	-134.09	
For >1000, Deduct	-169.45	
26 56 19 00-0146 EA Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL).....	849.41	139.98
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.38	
For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
For >50 To 100, Deduct	-42.47	
For >100 To 250, Deduct	-63.71	
For >250 To 500, Deduct	-99.18	
For >500 To 1000, Deduct	-134.65	
For >1000, Deduct	-170.12	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 56 19 00-0147	EA	Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL) .....	1,052.89	142.20
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
		<i>For Twist Lock Shorting Cap, Add</i>	9.38	
		<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	28.15	
		<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	50.37	
		<i>For &gt;50 To 100, Deduct</i>	-52.64	
		<i>For &gt;100 To 250, Deduct</i>	-78.97	
		<i>For &gt;250 To 500, Deduct</i>	-124.50	
		<i>For &gt;500 To 1000, Deduct</i>	-170.03	
		<i>For &gt;1000, Deduct</i>	-215.57	
26 56 19 00-0148	EA	Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL) .....	1,105.75	144.99
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
		<i>For Twist Lock Shorting Cap, Add</i>	9.38	
		<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	28.15	
		<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	50.37	
		<i>For &gt;50 To 100, Deduct</i>	-55.29	
		<i>For &gt;100 To 250, Deduct</i>	-82.93	
		<i>For &gt;250 To 500, Deduct</i>	-130.97	
		<i>For &gt;500 To 1000, Deduct</i>	-179.01	
		<i>For &gt;1000, Deduct</i>	-227.04	
26 56 19 00-0149	EA	Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL) .....	1,240.26	147.23
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
		<i>For Twist Lock Shorting Cap, Add</i>	9.38	
		<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	28.15	
		<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	50.37	
		<i>For &gt;50 To 100, Deduct</i>	-62.01	
		<i>For &gt;100 To 250, Deduct</i>	-93.02	
		<i>For &gt;250 To 500, Deduct</i>	-147.67	
		<i>For &gt;500 To 1000, Deduct</i>	-202.32	
		<i>For &gt;1000, Deduct</i>	-256.97	
26 56 19 00-0150	EA	Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL) .....	1,333.39	149.46
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
		<i>For Twist Lock Shorting Cap, Add</i>	9.38	
		<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	28.15	
		<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	50.37	
		<i>For &gt;50 To 100, Deduct</i>	-66.67	
		<i>For &gt;100 To 250, Deduct</i>	-100.00	
		<i>For &gt;250 To 500, Deduct</i>	-159.20	
		<i>For &gt;500 To 1000, Deduct</i>	-218.40	
		<i>For &gt;1000, Deduct</i>	-277.59	
26 56 19 00-0151	EA	Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL).....	652.59	128.27
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
		<i>For Twist Lock Shorting Cap, Add</i>	9.38	
		<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	28.15	
		<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	50.37	
		<i>For &gt;50 To 100, Deduct</i>	-32.63	
		<i>For &gt;100 To 250, Deduct</i>	-48.94	
		<i>For &gt;250 To 500, Deduct</i>	-75.16	
		<i>For &gt;500 To 1000, Deduct</i>	-101.38	
		<i>For &gt;1000, Deduct</i>	-127.59	
26 56 19 00-0152	EA	Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL).....	720.37	131.61
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
		<i>For Twist Lock Shorting Cap, Add</i>	9.38	
		<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	28.15	
		<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	50.37	
		<i>For &gt;50 To 100, Deduct</i>	-36.02	
		<i>For &gt;100 To 250, Deduct</i>	-54.03	
		<i>For &gt;250 To 500, Deduct</i>	-83.47	
		<i>For &gt;500 To 1000, Deduct</i>	-112.90	
		<i>For &gt;1000, Deduct</i>	-142.34	
26 56 19 00-0153	EA	Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL).....	780.55	134.12
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
		<i>For Twist Lock Shorting Cap, Add</i>	9.38	
		<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	28.15	
		<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	50.37	
		<i>For &gt;50 To 100, Deduct</i>	-39.03	
		<i>For &gt;100 To 250, Deduct</i>	-58.54	
		<i>For &gt;250 To 500, Deduct</i>	-90.86	
		<i>For &gt;500 To 1000, Deduct</i>	-123.18	
		<i>For &gt;1000, Deduct</i>	-155.51	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0154 EA Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL).....	832.00	137.19
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.38	
For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
For >50 To 100, Deduct	-41.60	
For >100 To 250, Deduct	-62.40	
For >250 To 500, Deduct	-97.14	
For >500 To 1000, Deduct	-131.88	
For >1000, Deduct	-166.62	
26 56 19 00-0155 EA Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL).....	885.47	138.30
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.38	
For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
For >50 To 100, Deduct	-44.27	
For >100 To 250, Deduct	-66.41	
For >250 To 500, Deduct	-103.77	
For >500 To 1000, Deduct	-141.13	
For >1000, Deduct	-178.49	
26 56 19 00-0156 EA Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL).....	1,062.99	143.33
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.38	
For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
For >50 To 100, Deduct	-53.15	
For >100 To 250, Deduct	-79.72	
For >250 To 500, Deduct	-125.71	
For >500 To 1000, Deduct	-171.69	
For >1000, Deduct	-217.67	
26 56 19 00-0157 EA Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL).....	1,208.47	146.11
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.38	
For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
For >50 To 100, Deduct	-60.42	
For >100 To 250, Deduct	-90.64	
For >250 To 500, Deduct	-143.75	
For >500 To 1000, Deduct	-196.87	
For >1000, Deduct	-249.99	
26 56 19 00-0158 EA Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL).....	1,288.41	146.66
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.38	
For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
For >50 To 100, Deduct	-64.42	
For >100 To 250, Deduct	-96.63	
For >250 To 500, Deduct	-153.72	
For >500 To 1000, Deduct	-210.80	
For >1000, Deduct	-267.89	
26 56 19 00-0159 EA Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL).....	1,364.66	148.34
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.38	
For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
For >50 To 100, Deduct	-68.23	
For >100 To 250, Deduct	-102.35	
For >250 To 500, Deduct	-163.17	
For >500 To 1000, Deduct	-223.98	
For >1000, Deduct	-284.80	
26 56 19 00-0160 EA Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP).....	699.66	139.98
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.38	
For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
For >50 To 100, Deduct	-34.98	
For >100 To 250, Deduct	-52.47	
For >250 To 500, Deduct	-80.46	
For >500 To 1000, Deduct	-108.44	
For >1000, Deduct	-136.43	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 56	19 00-0161	EA	Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP) .....	761.55	141.37
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	28.15	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	50.37	
			<i>For &gt;50 To 100, Deduct</i>	-38.08	
			<i>For &gt;100 To 250, Deduct</i>	-57.12	
			<i>For &gt;250 To 500, Deduct</i>	-88.13	
			<i>For &gt;500 To 1000, Deduct</i>	-119.13	
			<i>For &gt;1000, Deduct</i>	-150.14	
26 56	19 00-0162	EA	Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL) .....	529.86	127.98
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	28.15	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	50.37	
			<i>For &gt;50 To 100, Deduct</i>	-26.49	
			<i>For &gt;100 To 250, Deduct</i>	-39.74	
			<i>For &gt;250 To 500, Deduct</i>	-59.83	
			<i>For &gt;500 To 1000, Deduct</i>	-79.93	
			<i>For &gt;1000, Deduct</i>	-100.02	
26 56	19 00-0163	EA	Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL) .....	539.97	129.10
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	28.15	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	50.37	
			<i>For &gt;50 To 100, Deduct</i>	-27.00	
			<i>For &gt;100 To 250, Deduct</i>	-40.50	
			<i>For &gt;250 To 500, Deduct</i>	-61.04	
			<i>For &gt;500 To 1000, Deduct</i>	-81.58	
			<i>For &gt;1000, Deduct</i>	-102.13	
26 56	19 00-0164	EA	Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL) .....	590.32	131.61
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	28.15	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	50.37	
			<i>For &gt;50 To 100, Deduct</i>	-29.52	
			<i>For &gt;100 To 250, Deduct</i>	-44.27	
			<i>For &gt;250 To 500, Deduct</i>	-67.21	
			<i>For &gt;500 To 1000, Deduct</i>	-90.14	
			<i>For &gt;1000, Deduct</i>	-113.08	
26 56	19 00-0165	EA	Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL) .....	932.69	142.20
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	28.15	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	50.37	
			<i>For &gt;50 To 100, Deduct</i>	-46.63	
			<i>For &gt;100 To 250, Deduct</i>	-69.95	
			<i>For &gt;250 To 500, Deduct</i>	-109.48	
			<i>For &gt;500 To 1000, Deduct</i>	-149.00	
			<i>For &gt;1000, Deduct</i>	-188.52	
26 56	19 00-0166	EA	Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL) .....	1,233.24	146.66
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	28.15	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	50.37	
			<i>For &gt;50 To 100, Deduct</i>	-61.66	
			<i>For &gt;100 To 250, Deduct</i>	-92.49	
			<i>For &gt;250 To 500, Deduct</i>	-146.82	
			<i>For &gt;500 To 1000, Deduct</i>	-201.15	
			<i>For &gt;1000, Deduct</i>	-255.48	
26 56	19 00-0167	EA	Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL) .....	1,092.47	147.23
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	28.15	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	50.37	
			<i>For &gt;50 To 100, Deduct</i>	-54.62	
			<i>For &gt;100 To 250, Deduct</i>	-81.94	
			<i>For &gt;250 To 500, Deduct</i>	-129.20	
			<i>For &gt;500 To 1000, Deduct</i>	-176.46	
			<i>For &gt;1000, Deduct</i>	-223.72	
26 56	19 00-0168	EA	Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-X-GY) .....	506.77	128.27
			<i>For Twist Lock Shorting Cap, Add</i>	9.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	28.15	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	50.37	
			<i>For &gt;50 To 100, Deduct</i>	-25.34	
			<i>For &gt;100 To 250, Deduct</i>	-38.01	
			<i>For &gt;250 To 500, Deduct</i>	-56.93	
			<i>For &gt;500 To 1000, Deduct</i>	-75.86	
			<i>For &gt;1000, Deduct</i>	-94.78	



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0169 LED, Area Fixtures <sup>(26 56 19)</sup>		
26 56 19 00-0170 Pole Mount, LED Area Fixtures <sup>(26 56 19 00-0169)</sup>		
26 56 19 00-0171 Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) <sup>(26 56 19 00-0170)</sup>		
Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0172 EA 20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED) .....	2,448.91	94.81
For >50 To 100, Deduct	-122.45	
For >100 To 250, Deduct	-183.67	
For >250 To 500, Deduct	-301.37	
For >500 To 1000, Deduct	-419.08	
For >1000, Deduct	-536.78	
26 56 19 00-0173 EA 40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED) .....	2,640.82	100.38
For >50 To 100, Deduct	-132.04	
For >100 To 250, Deduct	-198.06	
For >250 To 500, Deduct	-325.08	
For >500 To 1000, Deduct	-452.11	
For >1000, Deduct	-579.13	
26 56 19 00-0174 EA 80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED) .....	2,843.86	111.54
For >50 To 100, Deduct	-142.19	
For >100 To 250, Deduct	-213.29	
For >250 To 500, Deduct	-349.91	
For >500 To 1000, Deduct	-486.52	
For >1000, Deduct	-623.14	
26 56 19 00-0175 EA 100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED) .....	2,855.02	117.11
For >50 To 100, Deduct	-142.75	
For >100 To 250, Deduct	-214.13	
For >250 To 500, Deduct	-351.02	
For >500 To 1000, Deduct	-487.92	
For >1000, Deduct	-624.81	
26 56 19 00-0176 Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) <sup>(26 56 19 00-0170)</sup>		
Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 19 00-0177 EA 40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	1,072.01	100.38
For Backlight Shielding, Add	19.93	
For Type II Medium Optic, Add	33.97	
For 480 Volt, Add	103.70	
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-53.60	
For >100 To 250, Deduct	-80.40	
For >250 To 500, Deduct	-128.98	
For >500 To 1000, Deduct	-177.56	
For >1000, Deduct	-226.14	
26 56 19 00-0178 EA 60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	1,292.41	105.96
For Backlight Shielding, Add	19.93	
For Type II Medium Optic, Add	34.53	
For 480 Volt, Add	103.70	
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-64.62	
For >100 To 250, Deduct	-96.93	
For >250 To 500, Deduct	-156.25	
For >500 To 1000, Deduct	-215.58	
For >1000, Deduct	-274.90	
26 56 19 00-0179 EA 80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	1,596.83	111.54
For Backlight Shielding, Add	19.93	
For Type II Medium Optic, Add	35.08	
For 480 Volt, Add	103.70	
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-79.84	
For >100 To 250, Deduct	-119.76	
For >250 To 500, Deduct	-194.03	
For >500 To 1000, Deduct	-268.29	
For >1000, Deduct	-342.56	
26 56 19 00-0180 EA 100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	1,817.26	117.11
For Backlight Shielding, Add	19.93	
For Type II Medium Optic, Add	35.64	
For 480 Volt, Add	103.70	
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-90.86	
For >100 To 250, Deduct	-136.29	
For >250 To 500, Deduct	-221.30	
For >500 To 1000, Deduct	-306.31	
For >1000, Deduct	-391.32	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0181	EA		120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	2,037.67	122.69
			<i>For Backlight Shielding, Add</i>	19.93	
			<i>For Type II Medium Optic, Add</i>	36.20	
			<i>For 480 Volt, Add</i>	103.70	
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-101.88	
			<i>For &gt;100 To 250, Deduct</i>	-152.83	
			<i>For &gt;250 To 500, Deduct</i>	-248.57	
			<i>For &gt;500 To 1000, Deduct</i>	-344.32	
			<i>For &gt;1000, Deduct</i>	-440.07	
26 56 19 00-0182	EA		140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	2,325.01	128.27
			<i>For Backlight Shielding, Add</i>	19.93	
			<i>For Type II Medium Optic, Add</i>	36.76	
			<i>For 480 Volt, Add</i>	103.70	
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-116.25	
			<i>For &gt;100 To 250, Deduct</i>	-174.38	
			<i>For &gt;250 To 500, Deduct</i>	-284.21	
			<i>For &gt;500 To 1000, Deduct</i>	-394.05	
			<i>For &gt;1000, Deduct</i>	-503.89	
26 56 19 00-0183	EA		160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	2,545.43	133.84
			<i>For Backlight Shielding, Add</i>	19.93	
			<i>For Type II Medium Optic, Add</i>	37.31	
			<i>For 480 Volt, Add</i>	103.70	
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-127.27	
			<i>For &gt;100 To 250, Deduct</i>	-190.91	
			<i>For &gt;250 To 500, Deduct</i>	-311.49	
			<i>For &gt;500 To 1000, Deduct</i>	-432.07	
			<i>For &gt;1000, Deduct</i>	-552.65	
26 56 19 00-0184			<b>Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures</b> <b>(CREE® BetaLED® Edge® ARE-EHO)</b> <small>(26 56 19 00-0170)</small>		
			Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0185	EA		120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO) .....	1,883.15	122.69
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Bird Spikes, Add</i>	38.72	
			<i>For 5,000K Color Temperature, Add</i>	41.98	
			<i>For Fuse, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For 1,000mA Driver, Add</i>	141.05	
			<i>For &gt;50 To 100, Deduct</i>	-94.16	
			<i>For &gt;100 To 250, Deduct</i>	-141.24	
			<i>For &gt;250 To 500, Deduct</i>	-229.26	
			<i>For &gt;500 To 1000, Deduct</i>	-317.28	
			<i>For &gt;1000, Deduct</i>	-405.31	
26 56 19 00-0186	EA		240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO) .....	3,173.02	150.57
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For 5,000K Color Temperature, Add</i>	41.98	
			<i>For Fuse, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For Bird Spikes, Add</i>	57.38	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For 1,000mA Driver, Add</i>	141.04	
			<i>For 480 Volt, Add</i>	151.10	
			<i>For &gt;50 To 100, Deduct</i>	-158.65	
			<i>For &gt;100 To 250, Deduct</i>	-237.98	
			<i>For &gt;250 To 500, Deduct</i>	-389.10	
			<i>For &gt;500 To 1000, Deduct</i>	-540.22	
			<i>For &gt;1000, Deduct</i>	-691.34	
26 56 19 00-0187			<b>Wall Mount, LED Area Fixtures</b> <small>(26 56 19 00-0169)</small>		
26 56 19 00-0188			<b>Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW)</b> <small>(26 56 19 00-0187)</small>		
			Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0189	EA		20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED) .....	1,058.99	94.81
			<i>For &gt;50 To 100, Deduct</i>	-52.95	
			<i>For &gt;100 To 250, Deduct</i>	-79.42	
			<i>For &gt;250 To 500, Deduct</i>	-127.63	
			<i>For &gt;500 To 1000, Deduct</i>	-175.84	
			<i>For &gt;1000, Deduct</i>	-224.05	
26 56 19 00-0190	EA		30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED) .....	1,081.29	105.96
			<i>For &gt;50 To 100, Deduct</i>	-54.06	
			<i>For &gt;100 To 250, Deduct</i>	-81.10	
			<i>For &gt;250 To 500, Deduct</i>	-129.86	
			<i>For &gt;500 To 1000, Deduct</i>	-178.63	
			<i>For &gt;1000, Deduct</i>	-227.40	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0191 Surface Mount, LED Parking Structure Fixtures <small>(26 56 19 00-0169)</small>		
26 56 19 00-0192 Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) <small>(26 56 19 00-0191)</small> Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0193 EA 40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG) .....	946.73	100.38
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-47.34	
For >100 To 250, Deduct	-71.00	
For >250 To 500, Deduct	-113.32	
For >500 To 1000, Deduct	-155.64	
For >1000, Deduct	-197.96	
26 56 19 00-0194 EA 60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG) .....	1,167.14	105.96
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-58.36	
For >100 To 250, Deduct	-87.54	
For >250 To 500, Deduct	-140.59	
For >500 To 1000, Deduct	-193.65	
For >1000, Deduct	-246.71	
26 56 19 00-0195 EA 80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG) .....	1,387.57	111.54
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-69.38	
For >100 To 250, Deduct	-104.07	
For >250 To 500, Deduct	-167.87	
For >500 To 1000, Deduct	-231.67	
For >1000, Deduct	-295.47	
26 56 19 00-0196 EA 100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG) .....	1,607.99	117.11
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-80.40	
For >100 To 250, Deduct	-120.60	
For >250 To 500, Deduct	-195.14	
For >500 To 1000, Deduct	-269.69	
For >1000, Deduct	-344.23	
26 56 19 00-0197 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) <small>(26 56 19 00-0191)</small> Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0198 EA 40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304) .....	912.57	100.38
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-45.63	
For >100 To 250, Deduct	-68.44	
For >250 To 500, Deduct	-109.05	
For >500 To 1000, Deduct	-149.66	
For >1000, Deduct	-190.27	
26 56 19 00-0199 EA 60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304) .....	1,007.70	105.96
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-50.39	
For >100 To 250, Deduct	-75.58	
For >250 To 500, Deduct	-120.66	
For >500 To 1000, Deduct	-165.75	
For >1000, Deduct	-210.84	
26 56 19 00-0200 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) <small>(26 56 19 00-0191)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0201 EA 3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL) .....	930.12	100.38
For >50 To 100, Deduct	-46.51	
For >100 To 250, Deduct	-69.76	
For >250 To 500, Deduct	-111.25	
For >500 To 1000, Deduct	-152.73	
For >1000, Deduct	-194.22	
26 56 19 00-0202 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) <small>(26 56 19 00-0191)</small> Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0203	EA		70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,884.60	105.96
			<i>For &gt;50 To 100, Deduct</i>	-94.23	
			<i>For &gt;100 To 250, Deduct</i>	-141.35	
			<i>For &gt;250 To 500, Deduct</i>	-230.28	
			<i>For &gt;500 To 1000, Deduct</i>	-319.21	
			<i>For &gt;1000, Deduct</i>	-408.14	
26 56 19 00-0204	EA		110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,906.92	117.11
			<i>For &gt;50 To 100, Deduct</i>	-95.35	
			<i>For &gt;100 To 250, Deduct</i>	-143.02	
			<i>For &gt;250 To 500, Deduct</i>	-232.51	
			<i>For &gt;500 To 1000, Deduct</i>	-322.00	
			<i>For &gt;1000, Deduct</i>	-411.49	
26 56 19 00-0205			Surface Mount, LED Canopy Fixtures <small>(26 56 19 00-0169)</small>		
26 56 19 00-0206			Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) <small>(26 56 19 00-0205)</small>		
			Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0207	EA		40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,097.63	100.38
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-54.88	
			<i>For &gt;100 To 250, Deduct</i>	-82.32	
			<i>For &gt;250 To 500, Deduct</i>	-132.18	
			<i>For &gt;500 To 1000, Deduct</i>	-182.05	
			<i>For &gt;1000, Deduct</i>	-231.91	
26 56 19 00-0208	EA		60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,318.04	105.96
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-65.90	
			<i>For &gt;100 To 250, Deduct</i>	-98.85	
			<i>For &gt;250 To 500, Deduct</i>	-159.46	
			<i>For &gt;500 To 1000, Deduct</i>	-220.06	
			<i>For &gt;1000, Deduct</i>	-280.67	
26 56 19 00-0209	EA		80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,538.47	111.54
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-76.92	
			<i>For &gt;100 To 250, Deduct</i>	-115.39	
			<i>For &gt;250 To 500, Deduct</i>	-186.73	
			<i>For &gt;500 To 1000, Deduct</i>	-258.08	
			<i>For &gt;1000, Deduct</i>	-329.43	
26 56 19 00-0210	EA		100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,758.89	117.11
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-87.94	
			<i>For &gt;100 To 250, Deduct</i>	-131.92	
			<i>For &gt;250 To 500, Deduct</i>	-214.01	
			<i>For &gt;500 To 1000, Deduct</i>	-296.09	
			<i>For &gt;1000, Deduct</i>	-378.18	
26 56 19 00-0211	EA		120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,979.30	122.69
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-98.97	
			<i>For &gt;100 To 250, Deduct</i>	-148.45	
			<i>For &gt;250 To 500, Deduct</i>	-241.28	
			<i>For &gt;500 To 1000, Deduct</i>	-334.11	
			<i>For &gt;1000, Deduct</i>	-426.94	
26 56 19 00-0212	EA		140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,283.72	128.27
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-114.19	
			<i>For &gt;100 To 250, Deduct</i>	-171.28	
			<i>For &gt;250 To 500, Deduct</i>	-279.05	
			<i>For &gt;500 To 1000, Deduct</i>	-386.82	
			<i>For &gt;1000, Deduct</i>	-494.60	
26 56 19 00-0213	EA		160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,504.15	133.84
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-125.21	
			<i>For &gt;100 To 250, Deduct</i>	-187.81	
			<i>For &gt;250 To 500, Deduct</i>	-306.33	
			<i>For &gt;500 To 1000, Deduct</i>	-424.84	
			<i>For &gt;1000, Deduct</i>	-543.36	
26 56 19 00-0214	EA		200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,944.99	144.99
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-147.25	
			<i>For &gt;100 To 250, Deduct</i>	-220.87	
			<i>For &gt;250 To 500, Deduct</i>	-360.87	
			<i>For &gt;500 To 1000, Deduct</i>	-500.87	
			<i>For &gt;1000, Deduct</i>	-640.87	
26 56 19 00-0215	EA		240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,374.68	150.57
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-168.73	
			<i>For &gt;100 To 250, Deduct</i>	-253.10	
			<i>For &gt;250 To 500, Deduct</i>	-414.31	
			<i>For &gt;500 To 1000, Deduct</i>	-575.51	
			<i>For &gt;1000, Deduct</i>	-736.72	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 56 19 00-0216</b> <b>Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250)</b> <small>(26 56 19 00-0205)</small>		
Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0217    EA    8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250) .....	759.76	111.54
For >50 To 100, Deduct	-37.99	
For >100 To 250, Deduct	-56.98	
For >250 To 500, Deduct	-89.39	
For >500 To 1000, Deduct	-121.80	
For >1000, Deduct	-154.22	
<b>26 56 19 00-0218</b> <b>Recessed Mount, LED Soffit Fixtures</b> <small>(26 56 19 00-0169)</small>		
<b>26 56 19 00-0219</b> <b>Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304)</b> <small>(26 56 19 00-0218)</small>		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0220    EA    40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304) .....	929.65	100.38
For >50 To 100, Deduct	-46.48	
For >100 To 250, Deduct	-69.72	
For >250 To 500, Deduct	-111.19	
For >500 To 1000, Deduct	-152.65	
For >1000, Deduct	-194.11	
26 56 19 00-0221    EA    60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304) .....	1,024.78	105.96
For >50 To 100, Deduct	-51.24	
For >100 To 250, Deduct	-76.86	
For >250 To 500, Deduct	-122.80	
For >500 To 1000, Deduct	-168.74	
For >1000, Deduct	-214.68	
<b>26 56 19 00-0222</b> <b>Surface Mount, LED Area Fixtures</b> <small>(26 56 19 00-0169)</small>		
<b>26 56 19 00-0223</b> <b>Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG)</b> <small>(26 56 19 00-0222)</small>		
Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 19 00-0224    EA    50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) .....	596.34	100.38
For >50 To 100, Deduct	-29.82	
For >100 To 250, Deduct	-44.73	
For >250 To 500, Deduct	-69.52	
For >500 To 1000, Deduct	-94.32	
For >1000, Deduct	-119.12	
26 56 19 00-0225    EA    50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) .....	1,364.47	100.38
For >50 To 100, Deduct	-68.22	
For >100 To 250, Deduct	-102.34	
For >250 To 500, Deduct	-165.54	
For >500 To 1000, Deduct	-228.74	
For >1000, Deduct	-291.95	
26 56 19 00-0226    EA    68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) .....	1,123.52	111.54
For >50 To 100, Deduct	-56.18	
For >100 To 250, Deduct	-84.26	
For >250 To 500, Deduct	-134.86	
For >500 To 1000, Deduct	-185.46	
For >1000, Deduct	-236.06	
26 56 19 00-0227    EA    68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) .....	1,401.39	111.54
For >50 To 100, Deduct	-70.07	
For >100 To 250, Deduct	-105.10	
For >250 To 500, Deduct	-169.60	
For >500 To 1000, Deduct	-234.09	
For >1000, Deduct	-298.58	
<b>26 56 19 00-0228</b> <b>Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®)</b> <small>(26 56 19 00-0222)</small>		
Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0229    EA    13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A) .....	191.05	34.58
For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
For >50 To 100, Deduct	-9.55	
For >100 To 250, Deduct	-14.33	
For >250 To 500, Deduct	-22.44	
For >500 To 1000, Deduct	-30.55	
For >1000, Deduct	-38.66	
26 56 19 00-0230    EA    20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A) .....	219.35	34.58
For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
For >50 To 100, Deduct	-10.97	
For >100 To 250, Deduct	-16.45	
For >250 To 500, Deduct	-25.98	
For >500 To 1000, Deduct	-35.51	
For >1000, Deduct	-45.03	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0231	EA		30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A) ..... <i>For Knuckle Mount Or Trunion Mount Base, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	273.26 45.00 -13.66 -20.49 -32.72 -44.94 -57.16	34.58
26 56 19 00-0232			<b>Surface Mount, LED Multi-Purpose Area Fixture (Designplan LED VIM)</b> <sup>(26 56 19 00-0222)</sup> Note: Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and black, white or silver powder coat finish. Excludes sensors.		
26 56 19 00-0233	EA		20 Watt, Surface Mount, LED Multi-Purpose Area Fixture With Integral Battery Backup (Designplan LED VIM) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	2,745.45 -137.27 -205.91 -341.74 -477.57 -613.40	34.58
26 56 19 00-0234			<b>Surface Mount, LED Facade Fixtures</b> <sup>(26 56 19 00-0169)</sup>		
26 56 19 00-0235			<b>Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™)</b> <sup>(26 56 19 00-0234)</sup>		
26 56 19 00-0236	EA		12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	717.20 -35.86 -53.79 -88.11 -122.44 -156.76	40.36
26 56 19 00-0237	EA		24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,181.40 -59.07 -88.61 -146.36 -204.11 -261.87	36.85
26 56 19 00-0238	EA		36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,515.04 -75.75 -113.63 -188.28 -262.94 -337.59	30.71
26 56 19 00-0239	EA		48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,848.67 -92.43 -138.65 -230.21 -321.76 -413.32	24.57
26 56 19 00-0240			<b>Post Top, LED Area Fixtures</b> <sup>(26 56 19 00-0169)</sup>		
26 56 19 00-0241			<b>Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA)</b> <sup>(26 56 19 00-0240)</sup> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0242	EA		1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,989.71 -99.49 -149.23 -241.05 -332.86 -424.68	153.36
26 56 19 00-0243	EA		3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	2,204.45 -110.22 -165.33 -267.89 -370.44 -473.00	153.36
26 56 19 00-0244	EA		77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	2,374.20 -118.71 -178.07 -289.11 -400.15 -511.19	153.36
26 56 19 00-0245			<b>Post Top, LED Area Fixtures (General Electric EPAS)</b> <sup>(26 56 19 00-0240)</sup> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0246	EA		3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	2,357.94 -117.90 -176.85 -287.07 -397.30 -507.53	153.36



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0247 EA 6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	2,413.11 -120.66 -180.98 -293.97 -406.96 -519.95	153.36
<b>26 56 19 00-0248 Post Top, LED Area Fixtures (General Electric EPTC) <small>(26 56 19 00-0240)</small></b> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0249 EA 3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,610.96 -80.55 -120.82 -193.70 -266.58 -339.46	153.36
26 56 19 00-0250 EA 6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,693.53 -84.68 -127.01 -204.02 -281.03 -358.04	153.36
<b>26 56 19 00-0251 Post Top, LED Area Fixtures (General Electric EPST) <small>(26 56 19 00-0240)</small></b> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0252 EA 3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,235.64 -61.78 -92.67 -146.79 -200.90 -255.02	153.36
26 56 19 00-0253 EA 6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,318.21 -65.91 -98.87 -157.11 -215.35 -273.59	153.36
<b>26 56 19 00-0254 Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) <small>(26 56 19 00-0240)</small></b> Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		
26 56 19 00-0255 EA 13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	2,476.27 -123.81 -185.72 -301.87 -418.01 -534.16	153.36
<b>26 56 19 00-0256 LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA) <small>(26 56 19 00-0240)</small></b> Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0382 for disposal of hazardous lamps.		
26 56 19 00-0257 EA LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53) ..... <i>For 0 To 10 Volt Dimming, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	687.38 50.37 -34.37 -51.55 -81.74 -111.93 -142.11	83.65
<b>26 56 19 00-0258 LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) <small>(26 56 19 00-0240)</small></b> Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0382 for disposal of hazardous lamps.		
26 56 19 00-0259 EA LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) ..... <i>For Backlight Control Shield, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	431.02 33.54 -21.55 -32.33 -52.09 -71.86 -91.63	17.84



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>26 56 19 00-0260</b>	<b>Surface Mount, LED Strip Fixtures (Sylvania)</b> <small>(26 56 19 00-0169)</small>		
26 56 19 00-0261	EA 4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D).....	494.51	32.11
	For >50 To 100, Deduct	-24.73	
	For >100 To 250, Deduct	-37.09	
	For >250 To 500, Deduct	-60.61	
	For >500 To 1000, Deduct	-84.13	
	For >1000, Deduct	-107.65	
<b>26 56 19 00-0262</b>	<b>LED, Wall Sconce</b> <small>(26 56 19)</small>		
26 56 19 00-0263	EA 25", 2000 Lumens, 20 Watt, 4000K CCT, Aluminum, LED Luminous Wall Sconce.....	1,511.07	38.50
	For >50 To 100, Deduct	-75.55	
	For >100 To 250, Deduct	-113.33	
	For >250 To 500, Deduct	-187.44	
	For >500 To 1000, Deduct	-261.55	
	For >1000, Deduct	-335.66	
26 56 19 00-0264	EA 37", 3000 Lumens, 29 Watt, 4000K CCT, Aluminum, LED Luminous Wall Sconce.....	1,790.09	38.50
	For >50 To 100, Deduct	-89.50	
	For >100 To 250, Deduct	-134.26	
	For >250 To 500, Deduct	-222.32	
	For >500 To 1000, Deduct	-310.38	
	For >1000, Deduct	-398.44	
26 56 19 00-0265	EA 9 Watt, LED Mini Wall Sconce (Lithonia WSTM LED) .....	1,168.88	97.60
	For >50 To 100, Deduct	-58.44	
	For >100 To 250, Deduct	-87.67	
	For >250 To 500, Deduct	-141.23	
	For >500 To 1000, Deduct	-194.80	
	For >1000, Deduct	-248.36	
26 56 19 00-0266	EA 17 Watt, LED Mini Wall Sconce (Lithonia WSTM LED) .....	1,295.86	97.60
	For >50 To 100, Deduct	-64.79	
	For >100 To 250, Deduct	-97.19	
	For >250 To 500, Deduct	-157.10	
	For >500 To 1000, Deduct	-217.02	
	For >1000, Deduct	-276.93	
26 56 19 00-0267	EA LED Exterior Sconce (EATON TRE15LD420W350 PLBKUNVED).....	687.02	70.18
	For >50 To 100, Deduct	-34.35	
	For >100 To 250, Deduct	-51.53	
	For >250 To 500, Deduct	-82.37	
	For >500 To 1000, Deduct	-113.21	
	For >1000, Deduct	-144.05	
26 56 19 00-0268	EA Half Face Surface Mount, 10-1/2" Round, Outdoor LED Sconce (Hubbell WF21 S 9L4KUV WH).....	416.56	38.50
	For >50 To 100, Deduct	-20.83	
	For >100 To 250, Deduct	-31.24	
	For >250 To 500, Deduct	-50.63	
	For >500 To 1000, Deduct	-70.01	
	For >1000, Deduct	-89.40	
<b>26 56 21</b>	<b>HID Exterior Lighting</b> <small>(26 56)</small>		
<b>26 56 21 00-0001</b>	<b>High Mast Fixtures</b> <small>(26 56 21)</small>		
<b>26 56 21 00-0002</b>	<b>Metal Halide, High Mast Fixtures</b> <small>(26 56 21 00-0001)</small>		
26 56 21 00-0003	EA 400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux .....	1,801.61	138.11
26 56 21 00-0004	EA 400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux .....	1,927.36	138.11
26 56 21 00-0005	EA 750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux .....	1,906.69	157.78
26 56 21 00-0006	EA 750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux .....	1,982.14	157.78
26 56 21 00-0007	EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux .....	1,997.01	197.22
26 56 21 00-0008	EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux .....	2,072.45	197.22
<b>26 56 21 00-0009</b>	<b>High Pressure Sodium, High Mast Fixtures</b> <small>(26 56 21 00-0001)</small>		
26 56 21 00-0010	EA 400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,861.74	138.11
26 56 21 00-0011	EA 400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	1,937.19	138.11
26 56 21 00-0012	EA 600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux .....	2,258.90	146.00
26 56 21 00-0013	EA 750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux .....	2,312.41	157.78
26 56 21 00-0014	EA 1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux .....	2,440.44	197.22
<b>26 56 21 00-0015</b>	<b>HID, Pole Mounted</b> <small>(26 56 21)</small>		
<b>26 56 21 00-0016</b>	<b>Metal Halide, Pole Mounted</b> <small>(26 56 21 00-0015)</small>		
26 56 21 00-0017	EA 175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	575.47	225.20
26 56 21 00-0018	EA 250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	646.81	244.45
26 56 21 00-0019	EA 400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	754.70	262.96
26 56 21 00-0020	EA 1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	957.03	308.19
<b>26 56 21 00-0021</b>	<b>High Pressure Sodium, Pole Mounted</b> <small>(26 56 21 00-0015)</small>		
26 56 21 00-0022	EA 100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	736.69	262.96
26 56 21 00-0023	EA 150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	760.12	262.96
26 56 21 00-0024	EA 175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	795.71	262.96



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0025 EA 250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	893.03	262.96
26 56 21 00-0026 EA 400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	1,030.00	262.96
26 56 21 00-0027 EA 1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	925.33	262.96
<b>26 56 21 00-0028 Low Pressure Sodium, Pole Mounted (26 56 21 00-0015)</b>		
26 56 21 00-0029 EA 135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed .....	598.83	143.05
26 56 21 00-0030 EA 135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed .....	648.32	210.37
26 56 21 00-0031 EA 180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed .....	769.59	210.37
<b>26 56 21 00-0032 Metal Halide, Area Fixtures (26 56 21)</b>		
<b>26 56 21 00-0033 Metal Halide, Pole Mount, Area Fixtures (26 56 21 00-0032)</b>		
Note: Includes pulse start ballast.		
26 56 21 00-0034 EA 150 Watt, Metal Halide Area Fixture, Pole Mount .....	1,060.05	141.06
26 56 21 00-0035 EA 175 Watt, Metal Halide Area Fixture, Pole Mount .....	1,163.12	155.17
26 56 21 00-0036 EA 250 Watt, Metal Halide Area Fixture, Pole Mount .....	1,287.33	169.28
26 56 21 00-0037 EA 400 Watt, Metal Halide Area Fixture, Pole Mount .....	1,353.26	197.48
<b>26 56 21 00-0038 High Pressure Sodium, Area Fixtures (26 56 21)</b>		
<b>26 56 21 00-0039 Pole Mount, High Pressure Sodium Area Fixtures (26 56 21 00-0038)</b>		
26 56 21 00-0040 EA 100 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	882.59	112.85
26 56 21 00-0041 EA 150 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	952.42	141.06
26 56 21 00-0042 EA 250 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	1,025.80	169.28
26 56 21 00-0043 EA 400 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	1,073.00	197.48
<b>26 56 21 00-0044 Surface Mounted, Rectangular Exterior Area Fixture (26 56 21)</b>		
<b>26 56 21 00-0045 Metal Halide, Surface Mounted, Rectangular Exterior Area Fixture (26 56 21 00-0044)</b>		
26 56 21 00-0046 EA 175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	541.65	210.37
26 56 21 00-0047 EA 250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	615.66	236.66
26 56 21 00-0048 EA 400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	737.46	262.96
26 56 21 00-0049 EA 1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	941.00	308.19
<b>26 56 21 00-0050 High Pressure Sodium, Surface Mounted, Rectangular Exterior Area Fixture (26 56 21 00-0044)</b>		
26 56 21 00-0051 EA 70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	519.06	179.86
26 56 21 00-0052 EA 100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	563.72	191.43
26 56 21 00-0053 EA 150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	606.74	201.95
26 56 21 00-0054 EA 175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	626.96	210.37
26 56 21 00-0055 EA 250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	695.42	236.66
26 56 21 00-0056 EA 400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	749.38	262.96
26 56 21 00-0057 EA 1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	1,039.63	308.19
<b>26 56 21 00-0058 Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 21)</b>		
<b>26 56 21 00-0059 High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 21 00-0058)</b>		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0060 EA 35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	659.45	142.00
26 56 21 00-0061 EA 50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	683.45	157.78
26 56 21 00-0062 EA 70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	729.86	179.86
26 56 21 00-0063 EA 100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	749.96	191.43
26 56 21 00-0064 EA 150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	770.15	201.95
26 56 21 00-0065 EA 175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	806.83	210.37
26 56 21 00-0066 EA 250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	884.04	236.66
26 56 21 00-0067 EA 400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	1,073.81	262.96
<b>26 56 21 00-0068 Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 21 00-0059)</b>		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0069 EA 50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	727.02	157.78
26 56 21 00-0070 EA 70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	766.52	179.86
26 56 21 00-0071 EA 100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	793.44	191.43
26 56 21 00-0072 EA 150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	826.48	201.95
26 56 21 00-0073 EA 175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	843.31	210.37
26 56 21 00-0074 EA 250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	922.19	236.66
26 56 21 00-0075 EA 400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	1,176.34	262.96



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 21 00-0076			<b>Wall Packs</b> <small>(26 56 21)</small>		
26 56 21 00-0077			<b>Non Cutoff, Polycarbonate Lens, Mini Wall Packs</b> <small>(26 56 21 00-0076)</small>		
			Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 21 00-0078	EA		13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	320.72	48.02
26 56 21 00-0079	EA		50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	346.68	48.02
26 56 21 00-0080	EA		35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	346.68	48.02
26 56 21 00-0081	EA		70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	472.51	48.02
26 56 21 00-0082			<b>Semi Cutoff, Polycarbonate Lens, Mini Wall Packs</b> <small>(26 56 21 00-0076)</small>		
			Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 21 00-0083	EA		42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	675.63	48.02
26 56 21 00-0084	EA		50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	684.96	48.02
26 56 21 00-0085	EA		70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	693.04	48.02
26 56 21 00-0086	EA		100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	678.31	48.02
26 56 21 00-0087	EA		70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	617.75	48.02
26 56 21 00-0088	EA		100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	584.49	48.02
26 56 21 00-0089			<b>Cutoff, Polycarbonate Lens, Mini Wall Packs</b> <small>(26 56 21 00-0076)</small>		
			Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 21 00-0090	EA		50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	713.94	48.02
26 56 21 00-0091	EA		70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	722.45	48.02
26 56 21 00-0092	EA		100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	707.74	48.02
26 56 21 00-0093	EA		70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	719.58	48.02
26 56 21 00-0094	EA		100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	719.58	48.02
26 56 21 00-0095			<b>Non Cutoff, Borosilicate Glass Lens, Small Wall Packs</b> <small>(26 56 21 00-0076)</small>		
			Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 21 00-0096	EA		70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	664.12	63.96
26 56 21 00-0097	EA		100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	664.12	63.96
26 56 21 00-0098	EA		175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	618.55	63.96
26 56 21 00-0099	EA		70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	636.02	63.96
26 56 21 00-0100	EA		100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	636.02	63.96
26 56 21 00-0101	EA		150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	585.48	63.96
26 56 21 00-0102			<b>Cutoff, Borosilicate Glass Lens, Small Wall Packs</b> <small>(26 56 21 00-0076)</small>		
			Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 21 00-0103	EA		70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	691.13	63.96
26 56 21 00-0104	EA		100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	691.13	63.96
26 56 21 00-0105	EA		175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	691.13	63.96
26 56 21 00-0106	EA		70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	664.32	63.96
26 56 21 00-0107	EA		100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	664.32	63.96
26 56 21 00-0108	EA		150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	664.32	63.96
26 56 21 00-0109			<b>Full Cutoff, Tempered Glass Lens, Small Wall Packs</b> <small>(26 56 21 00-0076)</small>		
			Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 21 00-0110	EA		175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack.....	909.27	63.96
26 56 21 00-0111			<b>Full Cutoff, Tempered Glass Lens, Half Cylinder Sconce/Wall Packs</b> <b>(Philips Gardco)</b> <small>(26 56 21 00-0076)</small>		
26 56 21 00-0112	EA		100 Watt Ceramic Metal Halide, Full Cutoff, Tempered Glass Lens, Half Cylinder Sconce/Wall Pack (Philips Gardco 104FT).....	1,516.73	63.96
26 56 21 00-0113	EA		42 Watt Compact Fluorescent, Full Cutoff, Tempered Glass Lens, Emergency Half Cylinder Sconce/Wall Pack (Philips Gardco 104EMMT).....	1,430.89	63.96
26 56 21 00-0114			<b>Cutoff, Borosilicate Glass Lens, Medium Wall Packs</b> <small>(26 56 21 00-0076)</small>		
			Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 21 00-0115	EA		250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack..... Note: 9-1/4" x 17-7/8" x 9-3/8".	837.53	79.23
26 56 21 00-0116	EA		400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack..... Note: 9-1/4" x 17-7/8" x 12-1/2".	899.32	79.23
26 56 21 00-0117	EA		250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack..... Note: 9-1/4" x 17-7/8" x 9-3/8".	972.98	79.23
26 56 21 00-0118	EA		400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack..... Note: 9-1/4" x 17-7/8" x 12-1/2".	993.25	79.23
26 56 21 00-0119			<b>Cutoff, Tempered Glass Lens, Medium Wall Packs</b> <small>(26 56 21 00-0076)</small>		
			Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 21 00-0120	EA		250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack.....	917.00	79.23
26 56 21 00-0121	EA		400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack.....	986.42	79.23



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 56 21 00-0122</b> <b>Non Cutoff, Polycarbonate Lens, Large Wall Packs</b> <small>(26 56 21 00-0076)</small>		
<small>Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.</small>		
26 56 21 00-0123 EA 100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	827.29	96.04
26 56 21 00-0124 EA 175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	753.76	96.04
26 56 21 00-0125 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	810.27	96.04
26 56 21 00-0126 EA 100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	815.90	96.04
26 56 21 00-0127 EA 150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	821.80	96.04
<b>26 56 21 00-0128</b> <b>Non Cutoff, Borosilicate Glass Lens, Large Wall Packs</b> <small>(26 56 21 00-0076)</small>		
<small>Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.</small>		
26 56 21 00-0129 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	827.31	96.04
26 56 21 00-0130 EA 250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	851.84	96.04
26 56 21 00-0131 EA 400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	925.37	96.04
26 56 21 00-0132 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	876.36	96.04
26 56 21 00-0133 EA 250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	900.89	96.04
26 56 21 00-0134 EA 400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	949.86	96.04
<b>26 56 21 00-0135</b> <b>Semi Cutoff, Induction Wall Packs</b> <small>(26 56 21 00-0076)</small>		
<b>26 56 21 00-0136</b> <b>Semi Cutoff, Induction Wall Packs (Everlast®)</b> <small>(26 56 21 00-0135)</small>		
<small>Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.</small>		
26 56 21 00-0137 EA 70 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70).....	1,128.88	94.81
26 56 21 00-0138 EA 80 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80).....	1,150.50	100.38
26 56 21 00-0139 EA 100 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100).....	1,172.11	105.96
26 56 21 00-0140 EA 120 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120).....	1,308.85	111.54
<b>26 56 21 00-0141</b> <b>Non Cutoff, Polycarbonate Lens, Small Wall Packs</b> <small>(26 56 21 00-0076)</small>		
26 56 21 00-0142 EA 15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPK1N/015UNV740/NC/BZ/P).....	332.34	48.02
<b>26 56 21 00-0143</b> <b>Induction, Roadway Lighting</b> <small>(26 56 21)</small>		
<b>26 56 21 00-0144</b> <b>Induction Roadway Lighting (US Lighting Tech)</b> <small>(26 56 21 00-0143)</small>		
<small>Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.</small>		
26 56 21 00-0145 EA 40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	580.81	167.30
26 56 21 00-0146 EA 70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	640.23	172.88
26 56 21 00-0147 EA 100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	662.54	184.04
26 56 21 00-0148 EA 150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	684.84	195.18
26 56 21 00-0149 EA 200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	807.02	200.77
26 56 21 00-0150 EA 250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	822.04	206.34
26 56 21 00-0151 EA 40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	540.26	167.30
26 56 21 00-0152 EA 70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	605.47	172.88
26 56 21 00-0153 EA 100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	627.78	184.04
26 56 21 00-0154 EA 150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	650.08	195.18
<b>26 56 21 00-0155</b> <b>Induction, Area Fixtures</b> <small>(26 56 21)</small>		
<b>26 56 21 00-0156</b> <b>Post Top, Induction Area Fixtures</b> <small>(26 56 21 00-0155)</small>		
<b>26 56 21 00-0157</b> <b>Post Top, Induction Area Fixtures (US Lighting Tech)</b> <small>(26 56 21 00-0156)</small>		
<small>Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.</small>		
26 56 21 00-0158 EA 40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....	655.26	153.36
26 56 21 00-0159 EA 70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....	711.25	153.36
26 56 21 00-0160 EA 100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....	711.25	153.36
26 56 21 00-0161 EA 150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....	711.25	153.36
<b>26 56 21 00-0162</b> <b>Surface Mount, Induction Parking Structure Fixtures</b> <small>(26 56 21 00-0155)</small>		
<b>26 56 21 00-0163</b> <b>Surface Mount, Induction Parking Structure Fixtures (Everlast®)</b> <small>(26 56 21 00-0162)</small>		
26 56 21 00-0164 EA 40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	595.18	139.42
26 56 21 00-0165 EA 55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	633.60	142.20
26 56 21 00-0166 EA 70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	643.03	144.99
26 56 21 00-0167 EA 80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	652.46	147.79
26 56 21 00-0168 EA 100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	661.91	150.57
26 56 21 00-0169 EA 120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	675.20	153.36
26 56 21 00-0170 EA 70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	699.02	144.99
26 56 21 00-0171 EA 80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	708.46	147.79
26 56 21 00-0172 EA 100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	717.91	150.57
26 56 21 00-0173 EA 120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	747.62	153.36
<b>26 56 21 00-0174</b> <b>Pole Mount, Induction Area Fixtures</b> <small>(26 56 21 00-0155)</small>		

26	<b>26</b>	<b>Electrical</b>
	26 50	Lighting
	26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0175	Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) <small>(26 56 21 00-0174)</small> Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.	
26 56 21 00-0176 EA	70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70) ..... 1,181.20	94.81
26 56 21 00-0177 EA	80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80) ..... 1,213.29	100.38
26 56 21 00-0178 EA	100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100) ..... 1,245.36	105.96

**END OF SECTION 26**





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

### 27 01 Operation and Maintenance of Communications Systems <sup>(27)</sup>

#### 27 01 10 Operation and Maintenance of Structured Cabling and Enclosures <sup>(27 01)</sup>

27 01 10 00-0001 HR Testing Of Existing Data Communication Cabling .....95.27

### 27 05 Common Work Results for Communications <sup>(27)</sup>

#### 27 05 26 Grounding and Bonding for Communications Systems <sup>(27 05)</sup>

See CSI section 26 05 26 00-0000 for grounding.

27 05 26 00-0001	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00).....	961.18	98.36
		Note: Excludes terminations.		
27 05 26 00-0002	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00).....	1,221.08	131.18
		Note: Excludes terminations.		
27 05 26 00-0003	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00).....	1,943.44	196.71
		Note: Excludes terminations.		
27 05 26 00-0004	EA	Lucent 3B1-EW, Gas Tube Protector Unit.....	11.59	1.45
27 05 26 00-0005	EA	44 Terminal Copper Ground Bus Bar (Siemens ECGK).....	67.32	25.99
27 05 26 00-0006	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar.....	181.05	25.99
27 05 26 00-0007	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar.....	354.98	25.99
27 05 26 00-0008	EA	#6 AWG, Cable Runway Ground Strap.....	70.91	4.81
27 05 26 00-0009	EA	1/4" Screw Size, #6 AWG Compression Lug.....	23.25	4.81
27 05 26 00-0010	EA	3/8" Screw Size, #6 AWG Compression Lug.....	24.93	4.81
27 05 26 00-0011	EA	Two Mounting Hole, Ground Terminal Block.....	28.04	4.81

#### 27 05 29 Hangers and Supports for Communications Systems <sup>(27 05)</sup>

See CSI section 26 05 29 00-0000 for hangers and supports.

##### 27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) <sup>(27 05 29)</sup>

##### 27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <sup>(27 05 29 00-0001)</sup>

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12).....	8.20	2.40
		<i>For &gt;50 To 100, Deduct</i>	-0.33	
		<i>For &gt;100 To 250, Deduct</i>	-0.65	
		<i>For &gt;250 To 500, Deduct</i>	-1.22	
		<i>For &gt;500, Deduct</i>	-1.78	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.30	
		<i>For Work In Restricted Working Space, Add</i>	1.44	
		<i>For Painted Powder Coated Finish, Add</i>	0.69	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21).....	8.72	2.40
		<i>For &gt;50 To 100, Deduct</i>	-0.34	
		<i>For &gt;100 To 250, Deduct</i>	-0.68	
		<i>For &gt;250 To 500, Deduct</i>	-1.26	
		<i>For &gt;500, Deduct</i>	-1.83	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.30	
		<i>For Work In Restricted Working Space, Add</i>	1.44	
		<i>For Painted Powder Coated Finish, Add</i>	2.41	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	8.60	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32).....	9.53	2.40
		<i>For &gt;50 To 100, Deduct</i>	-0.36	
		<i>For &gt;100 To 250, Deduct</i>	-0.72	
		<i>For &gt;250 To 500, Deduct</i>	-1.32	
		<i>For &gt;500, Deduct</i>	-1.92	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.30	
		<i>For Work In Restricted Working Space, Add</i>	1.44	
		<i>For Painted Powder Coated Finish, Add</i>	2.96	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	10.69	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64).....	16.57	2.40
		<i>For &gt;50 To 100, Deduct</i>	-0.53	
		<i>For &gt;100 To 250, Deduct</i>	-1.07	
		<i>For &gt;250 To 500, Deduct</i>	-1.84	
		<i>For &gt;500, Deduct</i>	-2.62	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.30	
		<i>For Work In Restricted Working Space, Add</i>	1.44	
		<i>For Painted Powder Coated Finish, Add</i>	1.58	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	9.47	

**27 Communications****27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0007			<b>Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)</b> (27 05 29 00-0001) Note: Includes screw.		
27 05 29 00-0008	EA		3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB) .....	9.43	2.40
			For >50 To 100, Deduct	-0.36	
			For >100 To 250, Deduct	-0.71	
			For >250 To 500, Deduct	-1.31	
			For >500, Deduct	-1.91	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.30	
			For Work In Restricted Working Space, Add	1.44	
27 05 29 00-0009	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB) .....	12.60	2.40
			For >50 To 100, Deduct	-0.44	
			For >100 To 250, Deduct	-0.87	
			For >250 To 500, Deduct	-1.55	
			For >500, Deduct	-2.22	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.30	
			For Work In Restricted Working Space, Add	1.44	
27 05 29 00-0010	EA		2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB) .....	14.14	2.40
			For >50 To 100, Deduct	-0.47	
			For >100 To 250, Deduct	-0.95	
			For >250 To 500, Deduct	-1.66	
			For >500, Deduct	-2.38	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.30	
			For Work In Restricted Working Space, Add	1.44	
27 05 29 00-0011	EA		4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB) .....	19.65	2.40
			For >50 To 100, Deduct	-0.61	
			For >100 To 250, Deduct	-1.22	
			For >250 To 500, Deduct	-2.08	
			For >500, Deduct	-2.93	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.30	
			For Work In Restricted Working Space, Add	1.44	
27 05 29 00-0012			<b>Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)</b> (27 05 29 00-0001) Note: Excludes strut.		
27 05 29 00-0013	EA		3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4) .....	10.02	2.40
			For >50 To 100, Deduct	-0.37	
			For >100 To 250, Deduct	-0.74	
			For >250 To 500, Deduct	-1.35	
			For >500, Deduct	-1.96	
			For Work In Restricted Working Space, Add	1.44	
27 05 29 00-0014	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4) .....	12.13	2.40
			For >50 To 100, Deduct	-0.42	
			For >100 To 250, Deduct	-0.85	
			For >250 To 500, Deduct	-1.51	
			For >500, Deduct	-2.18	
			For Work In Restricted Working Space, Add	1.44	
27 05 29 00-0015	EA		2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4) .....	13.23	2.40
			For >50 To 100, Deduct	-0.45	
			For >100 To 250, Deduct	-0.90	
			For >250 To 500, Deduct	-1.59	
			For >500, Deduct	-2.29	
			For Work In Restricted Working Space, Add	1.44	
27 05 29 00-0016	EA		4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4) .....	18.44	2.40
			For >50 To 100, Deduct	-0.58	
			For >100 To 250, Deduct	-1.16	
			For >250 To 500, Deduct	-1.98	
			For >500, Deduct	-2.81	
			For Work In Restricted Working Space, Add	1.44	
27 05 29 00-0017			<b>T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)</b> (27 05 29 00-0001) Note: Excludes T-Bar.		
27 05 29 00-0018	EA		3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28) .....	12.33	2.40
			For >50 To 100, Deduct	-0.43	
			For >100 To 250, Deduct	-0.86	
			For >250 To 500, Deduct	-1.53	
			For >500, Deduct	-2.20	
			For Work In Restricted Working Space, Add	1.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0019 EA 1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28).....	15.90	2.40
<i>For &gt;50 To 100, Deduct</i>	-0.52	
<i>For &gt;100 To 250, Deduct</i>	-1.04	
<i>For &gt;250 To 500, Deduct</i>	-1.79	
<i>For &gt;500, Deduct</i>	-2.55	
<i>For Work In Restricted Working Space, Add</i>	1.44	
27 05 29 00-0020 EA 2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28) .....	16.84	2.40
<i>For &gt;50 To 100, Deduct</i>	-0.54	
<i>For &gt;100 To 250, Deduct</i>	-1.08	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.65	
<i>For Work In Restricted Working Space, Add</i>	1.44	
<b>27 05 29 00-0021 Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <sup>(27 05 29 00-0001)</sup></b>		
Note: Excludes threaded rod. See CSI section 26 05 29 00-0372 for threaded rod.		
27 05 29 00-0022 EA 3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6).....	9.74	2.40
<i>For &gt;50 To 100, Deduct</i>	-0.36	
<i>For &gt;100 To 250, Deduct</i>	-0.73	
<i>For &gt;250 To 500, Deduct</i>	-1.33	
<i>For &gt;500, Deduct</i>	-1.94	
<i>For Work In Restricted Working Space, Add</i>	1.44	
27 05 29 00-0023 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6) .....	10.22	2.40
<i>For &gt;50 To 100, Deduct</i>	-0.38	
<i>For &gt;100 To 250, Deduct</i>	-0.75	
<i>For &gt;250 To 500, Deduct</i>	-1.37	
<i>For &gt;500, Deduct</i>	-1.98	
<i>For Work In Restricted Working Space, Add</i>	1.44	
27 05 29 00-0024 EA 2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6).....	12.70	2.40
<i>For &gt;50 To 100, Deduct</i>	-0.44	
<i>For &gt;100 To 250, Deduct</i>	-0.88	
<i>For &gt;250 To 500, Deduct</i>	-1.55	
<i>For &gt;500, Deduct</i>	-2.23	
<i>For Work In Restricted Working Space, Add</i>	1.44	
<b>27 05 29 00-0025 Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <sup>(27 05 29 00-0001)</sup></b>		
Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0372 for threaded rod, nuts and washers.		
27 05 29 00-0026 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB).....	12.41	2.40
<i>For &gt;50 To 100, Deduct</i>	-0.43	
<i>For &gt;100 To 250, Deduct</i>	-0.86	
<i>For &gt;250 To 500, Deduct</i>	-1.53	
<i>For &gt;500, Deduct</i>	-2.20	
<i>For Work In Restricted Working Space, Add</i>	1.44	
27 05 29 00-0027 EA 2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB).....	13.57	2.40
<i>For &gt;50 To 100, Deduct</i>	-0.46	
<i>For &gt;100 To 250, Deduct</i>	-0.92	
<i>For &gt;250 To 500, Deduct</i>	-1.62	
<i>For &gt;500, Deduct</i>	-2.32	
<i>For Work In Restricted Working Space, Add</i>	1.44	
27 05 29 00-0028 EA 4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB).....	19.33	2.40
<i>For &gt;50 To 100, Deduct</i>	-0.60	
<i>For &gt;100 To 250, Deduct</i>	-1.21	
<i>For &gt;250 To 500, Deduct</i>	-2.05	
<i>For &gt;500, Deduct</i>	-2.90	
<i>For Work In Restricted Working Space, Add</i>	1.44	
<b>27 05 29 00-0029 Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <sup>(27 05 29 00-0001)</sup></b>		
27 05 29 00-0030 EA 3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A).....	12.25	2.40
<i>For &gt;50 To 100, Deduct</i>	-0.43	
<i>For &gt;100 To 250, Deduct</i>	-0.85	
<i>For &gt;250 To 500, Deduct</i>	-1.52	
<i>For &gt;500, Deduct</i>	-2.19	
<i>For Work In Restricted Working Space, Add</i>	1.44	
27 05 29 00-0031 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A).....	14.32	2.40
<i>For &gt;50 To 100, Deduct</i>	-0.48	
<i>For &gt;100 To 250, Deduct</i>	-0.96	
<i>For &gt;250 To 500, Deduct</i>	-1.68	
<i>For &gt;500, Deduct</i>	-2.39	
<i>For Work In Restricted Working Space, Add</i>	1.44	

**27 Communications****27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0032 EA 2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A) .....	15.42	2.40
For >50 To 100, Deduct	-0.51	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.76	
For >500, Deduct	-2.50	
For Work In Restricted Working Space, Add	1.44	
27 05 29 00-0033 EA 4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A) .....	21.42	2.40
For >50 To 100, Deduct	-0.66	
For >100 To 250, Deduct	-1.31	
For >250 To 500, Deduct	-2.21	
For >500, Deduct	-3.10	
For Work In Restricted Working Space, Add	1.44	
<b>27 05 29 00-0034 Adjustable Cable Supports (Caddy® CableCat CAT425) (27 05 29)</b>		
27 05 29 00-0035 EA Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	36.02	3.17
For >50 To 100, Deduct	-1.14	
For >100 To 250, Deduct	-2.28	
For >250 To 500, Deduct	-3.90	
For >500, Deduct	-5.52	
For Installation On Concrete (Includes Drilling And Fastener), Add	2.50	
For Work In Restricted Working Space, Add	2.88	
27 05 29 00-0036 EA Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	36.80	3.17
For >50 To 100, Deduct	-1.16	
For >100 To 250, Deduct	-2.32	
For >250 To 500, Deduct	-3.96	
For >500, Deduct	-5.60	
For Work In Restricted Working Space, Add	2.88	
27 05 29 00-0037 EA Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	40.82	3.17
For >50 To 100, Deduct	-1.26	
For >100 To 250, Deduct	-2.52	
For >250 To 500, Deduct	-4.26	
For >500, Deduct	-6.00	
For Work In Restricted Working Space, Add	2.88	
27 05 29 00-0038 EA >1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	35.90	3.17
For >50 To 100, Deduct	-1.14	
For >100 To 250, Deduct	-2.28	
For >250 To 500, Deduct	-3.89	
For >500, Deduct	-5.51	
For Work In Restricted Working Space, Add	2.88	
27 05 29 00-0039 EA Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	37.76	3.17
For >50 To 100, Deduct	-1.18	
For >100 To 250, Deduct	-2.37	
For >250 To 500, Deduct	-4.03	
For >500, Deduct	-5.70	
For Work In Restricted Working Space, Add	2.88	
27 05 29 00-0040 EA >1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	39.60	3.17
For >50 To 100, Deduct	-1.23	
For >100 To 250, Deduct	-2.46	
For >250 To 500, Deduct	-4.17	
For >500, Deduct	-5.88	
For Work In Restricted Working Space, Add	2.88	
27 05 29 00-0041 EA Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	37.13	3.17
For >50 To 100, Deduct	-1.17	
For >100 To 250, Deduct	-2.34	
For >250 To 500, Deduct	-3.99	
For >500, Deduct	-5.64	
For Work In Restricted Working Space, Add	2.88	

**27 05 33 Conduits and Backboxes for Communications Systems (27 05)**

See CSI section 26 05 33 00-0000 for conduit and boxes.

**27 05 36 Cable Trays for Communications Systems (27 05)**

See CSI section 26 05 36 00-0000 for cable trays.

**27 05 39 Surface Raceways for Communications Systems (27 05)**

See CSI section 26 05 33 00-0000 for surface raceways.

**27 05 43 Underground Ducts and Raceways for Communications Systems (27 05)**

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

**27 05 46 Utility Poles for Communications Systems (27 05)**

See CSI section 26 05 46 00-0000 for utility poles.

**27 05 53 Identification for Communications Systems (27 05)**



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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See CSI section 26 05 53 00-0000 for identification.

## 27 10 Structured Cabling <sup>(27)</sup>

Note: Includes testing.

### 27 11 Communications Equipment Room Fittings <sup>(27 10)</sup>

#### 27 11 16 Communications Cabinets, Racks, Frames, and Enclosures <sup>(27 11)</sup>

<b>27 11 16 00-0001</b>	<b>3/4" Fire Retardant Plywood Backboards <sup>(27 11 16)</sup></b>		
27 11 16 00-0002	EA 4' x 4' x 3/4" Fire Retardant Plywood Backboard.....	102.12	24.97
	<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	44.92	
27 11 16 00-0003	EA 4' x 8' x 3/4" Fire Retardant Plywood Backboard.....	204.25	49.94
	<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	89.85	

#### 27 11 16 00-0004 Terminal Cabinets <sup>(27 11 16)</sup>

27 11 16 00-0005	EA 12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	340.11	72.03
27 11 16 00-0006	EA 18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	438.53	79.23
27 11 16 00-0007	EA 24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	504.55	91.23
27 11 16 00-0008	EA 18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard.....	524.17	93.64
27 11 16 00-0009	EA 24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard.....	655.03	96.04
27 11 16 00-0010	EA 26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard.....	819.19	108.04
27 11 16 00-0011	EA 24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	842.38	105.64
27 11 16 00-0012	EA 30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,071.62	150.50
27 11 16 00-0013	EA 36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,143.04	165.38
27 11 16 00-0014	EA 42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,399.80	174.70
27 11 16 00-0015	EA 30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,156.35	144.06
27 11 16 00-0016	EA 36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,250.37	156.07
27 11 16 00-0017	EA 48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,554.68	200.06
27 11 16 00-0018	EA 54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,859.41	250.09
27 11 16 00-0019	EA 48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard.....	2,135.92	247.31
27 11 16 00-0020	EA 60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard.....	2,440.66	300.90

#### 27 11 16 00-0021 Equipment Racks And Cable Managers <sup>(27 11 16)</sup>

#### 27 11 16 00-0022 Equipment Racks <sup>(27 11 16 00-0021)</sup>

Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.

#### 27 11 16 00-0023 Standard Equipment Racks <sup>(27 11 16 00-0022)</sup>

#### 27 11 16 00-0024 19" Width, Standard Equipment Racks <sup>(27 11 16 00-0023)</sup>

27 11 16 00-0025	EA 84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03).....	493.95	153.67
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	9.33	
27 11 16 00-0026	EA 96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15).....	694.81	163.27
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	18.41	
27 11 16 00-0027	EA 108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08).....	751.21	172.87
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.27	

#### 27 11 16 00-0028 Universal Equipment Racks <sup>(27 11 16 00-0022)</sup>

#### 27 11 16 00-0029 Universal Equipment Racks <sup>(27 11 16 00-0028)</sup>

#### 27 11 16 00-0030 19" Width, EIA Universal Equipment Racks <sup>(27 11 16 00-0029)</sup>

27 11 16 00-0031	EA 36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31).....	654.83	134.46
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	19.30	
27 11 16 00-0032	EA 48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20).....	717.45	136.86
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.19	
27 11 16 00-0033	EA 60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19).....	716.04	139.26
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.88	
27 11 16 00-0034	EA 66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00).....	734.65	141.67
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.57	
27 11 16 00-0035	EA 72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01).....	753.05	144.06
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.25	
27 11 16 00-0036	EA 78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02).....	773.02	146.46
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.00	
27 11 16 00-0037	EA 84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03).....	654.13	148.87
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	17.82	
27 11 16 00-0038	EA 90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05).....	811.78	151.26
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.46	
27 11 16 00-0039	EA 96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15).....	841.07	153.67
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.69	
27 11 16 00-0040	EA 102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17).....	866.59	156.07
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.72	
27 11 16 00-0041	EA 108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08).....	872.43	158.47
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.78	

#### 27 11 16 00-0042 23" Width, Universal Equipment Racks <sup>(27 11 16 00-0029)</sup>

27 11 16 00-0043	EA 36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31).....	694.43	134.46
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0044 EA 48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20).....	718.92	136.86
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	22.26	
27 11 16 00-0045 EA 60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19).....	740.43	139.26
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	23.10	
27 11 16 00-0046 EA 66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00).....	781.03	141.67
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.89	
27 11 16 00-0047 EA 72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01).....	800.80	144.06
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	25.63	
27 11 16 00-0048 EA 78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02).....	822.35	146.46
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	26.47	
27 11 16 00-0049 EA 84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03).....	704.03	148.87
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	20.32	
27 11 16 00-0050 EA 90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05).....	864.13	151.26
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	28.08	
27 11 16 00-0051 EA 96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15).....	895.90	153.67
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	29.43	
27 11 16 00-0052 EA 102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17).....	923.58	156.07
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	30.57	
27 11 16 00-0053 EA 108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08).....	929.52	158.47
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	30.63	
<b>27 11 16 00-0054 35" Width, Universal Equipment Racks (27 11 16 00-0029)</b>		
27 11 16 00-0055 EA 72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01).....	867.93	144.06
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	28.99	
27 11 16 00-0056 EA 84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03).....	914.54	148.87
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	30.84	
<b>27 11 16 00-0057 UL Listed Universal Equipment Racks (27 11 16 00-0028)</b>		
Note: UL listed as a communications circuit accessory.		
<b>27 11 16 00-0058 19" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)</b>		
27 11 16 00-0059 EA 36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31) .....	693.43	134.46
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	21.23	
27 11 16 00-0060 EA 48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20) .....	751.23	136.86
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	23.88	
27 11 16 00-0061 EA 60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19) .....	762.69	139.26
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.21	
27 11 16 00-0062 EA 66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00) .....	779.82	141.67
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.83	
27 11 16 00-0063 EA 72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01) .....	799.54	144.06
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	25.57	
27 11 16 00-0064 EA 78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02) .....	821.03	146.46
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	26.41	
27 11 16 00-0065 EA 84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03) .....	841.65	148.87
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	27.20	
27 11 16 00-0066 EA 90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05) .....	862.73	151.26
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	28.01	
27 11 16 00-0067 EA 96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15) .....	894.46	153.67
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	29.36	
27 11 16 00-0068 EA 102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17) .....	922.07	156.07
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	30.50	
27 11 16 00-0069 EA 108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08) .....	927.94	158.47
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	30.55	
<b>27 11 16 00-0070 23" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)</b>		
27 11 16 00-0071 EA 36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31) .....	737.03	134.46
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	23.41	
27 11 16 00-0072 EA 48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20) .....	810.36	136.86
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	26.83	
27 11 16 00-0073 EA 60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19) .....	820.57	139.26
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	27.10	
27 11 16 00-0074 EA 66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00) .....	830.80	141.67
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	27.37	
27 11 16 00-0075 EA 72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01) .....	852.06	144.06
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	28.20	
27 11 16 00-0076 EA 78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02) .....	875.30	146.46
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	29.12	
27 11 16 00-0077 EA 84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03) .....	897.52	148.87
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	29.99	
27 11 16 00-0078 EA 90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05) .....	920.27	151.26
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	30.89	
27 11 16 00-0079 EA 96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15) .....	954.75	153.67
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	32.37	
27 11 16 00-0080 EA 102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17) .....	984.73	156.07
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	33.63	
27 11 16 00-0081 EA 108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08) .....	990.87	158.47
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	33.70	
<b>27 11 16 00-0082 4-Post Equipment Racks And Server Frames (27 11 16 00-0022)</b>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0083			<b>4-Post Equipment Racks</b> (27 11 16 00-0082)		
27 11 16 00-0084	EA		19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03).....	1,407.64	240.10
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	46.37	
27 11 16 00-0085	EA		19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15).....	1,539.41	249.71
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	52.00	
27 11 16 00-0086	EA		19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08).....	1,663.59	259.31
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	57.25	
27 11 16 00-0087			<b>4-Post Server Frame</b> (27 11 16 00-0082)		
27 11 16 00-0088	EA		19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03).....	1,448.44	240.10
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	48.41	
27 11 16 00-0089			<b>Cable Managers</b> (27 11 16 00-0021)		
27 11 16 00-0090			<b>Horizontal Cable Managers</b> (27 11 16 00-0089)		
27 11 16 00-0091			<b>Single-Sided, Horizontal Cable Managers</b> (27 11 16 00-0090)		
27 11 16 00-0092	EA		1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719) .....	82.32	9.61
27 11 16 00-0093	EA		1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723) .....	91.89	9.61
27 11 16 00-0094	EA		1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701) .....	68.40	9.61
27 11 16 00-0095	EA		2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719) .....	83.76	9.61
27 11 16 00-0096	EA		2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723) .....	98.58	9.61
27 11 16 00-0097	EA		2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702) .....	75.96	9.61
27 11 16 00-0098	EA		3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719) .....	113.62	9.61
27 11 16 00-0099	EA		3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723) .....	129.61	9.61
27 11 16 00-0100	EA		3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703) .....	91.10	9.61
27 11 16 00-0101			<b>Double-Sided, Horizontal Cable Managers</b> (27 11 16 00-0090)		
27 11 16 00-0102	EA		1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719) .....	102.72	9.61
27 11 16 00-0103	EA		1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723) .....	115.34	9.61
27 11 16 00-0104	EA		2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719) .....	108.19	9.61
27 11 16 00-0105	EA		2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723) .....	126.26	9.61
27 11 16 00-0106	EA		3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719) .....	140.59	9.61
27 11 16 00-0107	EA		3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723) .....	157.67	9.61
27 11 16 00-0108			<b>Vertical Cable Managers</b> (27 11 16 00-0089)		
27 11 16 00-0109			<b>Single-Sided, Vertical Cable Managers</b> (27 11 16 00-0108)		
27 11 16 00-0110	EA		3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701).....	185.86	14.41
27 11 16 00-0111	EA		6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701).....	263.44	14.41
27 11 16 00-0112	EA		10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701).....	426.16	14.41
27 11 16 00-0113	EA		12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701).....	482.93	14.41
27 11 16 00-0114	EA		3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703).....	199.10	14.41
27 11 16 00-0115	EA		6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703).....	284.25	14.41
27 11 16 00-0116	EA		10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703).....	464.00	14.41
27 11 16 00-0117	EA		12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703).....	520.77	14.41
27 11 16 00-0118	EA		3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715).....	225.59	14.41
27 11 16 00-0119	EA		6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715).....	312.63	14.41
27 11 16 00-0120	EA		10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715).....	520.77	14.41
27 11 16 00-0121	EA		12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715).....	577.53	14.41
27 11 16 00-0122			<b>Double-Sided, Vertical Cable Managers</b> (27 11 16 00-0108)		
27 11 16 00-0123	EA		3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701).....	271.01	14.41
27 11 16 00-0124	EA		6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701) .....	320.20	14.41
27 11 16 00-0125	EA		10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701).....	520.77	14.41
27 11 16 00-0126	EA		12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701).....	615.38	14.41
27 11 16 00-0127	EA		3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703).....	293.71	14.41
27 11 16 00-0128	EA		6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703).....	342.91	14.41
27 11 16 00-0129	EA		10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703).....	558.61	14.41
27 11 16 00-0130	EA		12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703).....	653.22	14.41
27 11 16 00-0131	EA		3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715).....	323.99	14.41
27 11 16 00-0132	EA		6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715) .....	373.18	14.41
27 11 16 00-0133	EA		10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715).....	615.38	14.41
27 11 16 00-0134	EA		12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715).....	709.98	14.41
27 11 16 00-0135			<b>Accessories For Vertical Cable Managers</b> (27 11 16 00-0108)		
27 11 16 00-0136	EA		Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716) .....	113.81	9.61
27 11 16 00-0137	EA		Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717) .....	121.38	9.61
27 11 16 00-0138	EA		Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718) .....	128.94	9.61
27 11 16 00-0139	EA		Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726) .....	117.59	9.61
27 11 16 00-0140	EA		Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727) .....	128.94	9.61
27 11 16 00-0141	EA		Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728).....	140.30	9.61
27 11 16 00-0142	EA		Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746).....	132.73	9.61
27 11 16 00-0143	EA		Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747) .....	144.08	9.61

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 11</b>	<b>Communications Equipment Room Fittings</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0144	EA		Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748) .....	155.43	9.61
27 11 16 00-0145	EA		Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756) .....	140.30	9.61
27 11 16 00-0146	EA		Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757) .....	155.43	9.61
27 11 16 00-0147	EA		Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758) .....	166.79	9.61
27 11 16 00-0148	EA		Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001) .....	94.89	9.61
27 11 16 00-0149	EA		Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701) .....	110.02	9.61
27 11 16 00-0150	EA		Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001) .....	115.13	9.61
27 11 16 00-0151	EA		Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001) .....	72.18	9.61
<b>27 11 16 00-0152</b>			<b>Surface Mount Wall Racks</b> <small>(27 11 16)</small>		
27 11 16 00-0153	EA		4-3/8" Depth x 24-1/2" Wide x 30-1/5" High, Tilt Out, Surface Mount Wall Rack (Middle Atlantic TOR-2-20SP) .....	950.45	94.12
27 11 16 00-0154	EA		6-1/8" Depth x 24-1/2" Wide x 30-1/5" High, Tilt Out, Surface Mount Wall Rack (Middle Atlantic TOR-3-20SP) .....	1,012.88	101.80
27 11 16 00-0155	EA		7-8/9" Depth x 24-1/2" Wide x 30-1/5" High, Tilt Out, Surface Mount Wall Rack (Middle Atlantic TOR-4-20SP) .....	1,077.50	111.41
<b>27 11 19</b>			<b>Communications Termination Blocks and Patch Panels</b> <small>(27 11)</small>		
			Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 26 05 53 00-0020 for labeling.		
<b>27 11 19 00-0001</b>			<b>Computer Network Components</b> <small>(27 11 19)</small>		
<b>27 11 19 00-0002</b>			<b>Ethernet Patch Panels</b> <small>(27 11 19 00-0001)</small>		
27 11 19 00-0003	EA		12 Port, Category 5E Patch Panel .....	270.39	48.02
27 11 19 00-0004	EA		24 Port, Category 5E Patch Panel .....	419.14	48.02
27 11 19 00-0005	EA		32 Port, Category 5E Patch Panel .....	559.90	48.02
27 11 19 00-0006	EA		48 Port, Category 5E Patch Panel .....	691.06	48.02
27 11 19 00-0007	EA		64 Port, Category 5E Patch Panel .....	740.56	60.03
27 11 19 00-0008	EA		96 Port, Category 5E Patch Panel .....	1,289.32	72.03
27 11 19 00-0009	EA		12 Port, Category 6 Patch Panel .....	341.88	48.02
27 11 19 00-0010	EA		24 Port, Category 6 Patch Panel .....	428.74	48.02
27 11 19 00-0011	EA		48 Port, Category 6 Patch Panel .....	761.44	48.02
27 11 19 00-0012	EA		96 Port, Category 6 Patch Panel .....	1,423.68	72.03
27 11 19 00-0013	EA		16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP) .....	715.15	72.03
27 11 19 00-0014	EA		16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP) .....	748.83	72.03
27 11 19 00-0015	EA		12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-Legrand OR-PMP61289) .....	284.38	48.02
27 11 19 00-0016	EA		12 Port, Category 6 Patch Panel With Rear Cable Management Bar .....	391.49	48.02
27 11 19 00-0017	EA		24 Port, Category 6 Patch Panel With Rear Cable Management Bar .....	478.35	48.02
27 11 19 00-0018	EA		48 Port, Category 6 Patch Panel With Rear Cable Management Bar .....	811.05	48.02
27 11 19 00-0019	EA		96 Port, Category 6 Patch Panel With Rear Cable Management Bar .....	1,473.29	72.03
27 11 19 00-0020	EA		Terminate One End Of A 4 Pair Cable To Category "X" Specifications .....	34.02	
			<i>For &gt;5 To 10 Cables, Deduct</i>	-6.12	
			<i>For &gt;10 Cables, Deduct</i>	-13.61	
27 11 19 00-0021	EA		Terminate One End Of A Twisted Pair Of Wires .....	9.36	
			Note: Per each pair		
			<i>For &gt;20 To 40 Pairs, Deduct</i>	-1.50	
			<i>For &gt;40 Pairs, Deduct</i>	-3.56	
<b>27 11 19 00-0022</b>			<b>Fiber Optic Cable Patch Panels And Enclosures</b> <small>(27 11 19 00-0001)</small>		
<b>27 11 19 00-0023</b>			<b>Fiber Optic Cable Connector Housings</b> <small>(27 11 19 00-0022)</small>		
<b>27 11 19 00-0024</b>			<b>Wall Mount, Fiber Optic Cable Connector Housings</b> <small>(27 11 19 00-0023)</small>		
			Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.		
27 11 19 00-0025	EA		1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing .....	150.03	21.61
27 11 19 00-0026	EA		2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing .....	233.16	21.61
27 11 19 00-0027	EA		4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing .....	356.15	21.61
27 11 19 00-0028	EA		6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing .....	521.91	36.01
27 11 19 00-0029	EA		12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing .....	740.88	36.01
<b>27 11 19 00-0030</b>			<b>Rack Mount, Fiber Optic Cable Connector Housings</b> <small>(27 11 19 00-0023)</small>		
			Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.		
27 11 19 00-0031	EA		2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing .....	544.37	36.01
27 11 19 00-0032	EA		4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing .....	627.85	36.01
27 11 19 00-0033	EA		6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing .....	678.91	36.01
27 11 19 00-0034	EA		12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing .....	802.30	36.01
<b>27 11 19 00-0035</b>			<b>Rack Mount, Fiber Optic Cable Pretium® Connector Housings</b> <small>(27 11 19 00-0023)</small>		
			Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.		
27 11 19 00-0036	EA		2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing .....	687.44	36.01
			<i>For Splice Tray Bracket, Add</i>	77.29	
27 11 19 00-0037	EA		4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing .....	811.63	36.01
			<i>For Splice Tray Bracket, Add</i>	84.52	
27 11 19 00-0038	EA		12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing .....	1,020.92	36.01
			<i>For Splice Tray Bracket, Add</i>	307.92	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 11 19 00-0039</b> <b>Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings</b> <small>(27 11 19 00-0023)</small>		
Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.		
27 11 19 00-0040    EA    8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing .....	882.84	36.01
27 11 19 00-0041    EA    12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing .....	1,139.07	36.01
27 11 19 00-0042    EA    24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing .....	1,294.40	36.01
27 11 19 00-0043    EA    48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing .....	1,690.55	36.01
<b>27 11 19 00-0044</b> <b>Wall Mount, Fiber Optic Cable Industrial Connector Housings</b> <small>(27 11 19 00-0023)</small>		
Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.		
27 11 19 00-0045    EA    2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing .....	798.51	21.61
27 11 19 00-0046    EA    6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing .....	1,098.30	36.01
27 11 19 00-0047    EA    12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing .....	1,154.37	36.01
<b>27 11 19 00-0048</b> <b>Wall Mount, Fiber Optic Cable Environmental Connector Housings</b> <small>(27 11 19 00-0023)</small>		
Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.		
27 11 19 00-0049    EA    2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing .....	837.26	21.61
27 11 19 00-0050    EA    6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing .....	1,097.62	36.01
27 11 19 00-0051    EA    12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing .....	1,295.97	36.01
<b>27 11 19 00-0052</b> <b>Fiber Optic Cable Connector Panels</b> <small>(27 11 19 00-0022)</small>		
<b>27 11 19 00-0053</b> <b>SC Simplex, Fiber Optic Cable Connector Panels</b> <small>(27 11 19 00-0052)</small>		
27 11 19 00-0054    EA    6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel .....	108.04	4.80
27 11 19 00-0055    EA    6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel .....	117.67	4.80
27 11 19 00-0056    EA    8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel .....	132.60	4.80
27 11 19 00-0057    EA    8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel .....	145.43	4.80
27 11 19 00-0058    EA    12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel .....	181.76	4.80
27 11 19 00-0059    EA    12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel .....	200.95	4.80
<b>27 11 19 00-0060</b> <b>SC Duplex, Fiber Optic Cable Connector Panels</b> <small>(27 11 19 00-0052)</small>		
27 11 19 00-0061    EA    6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel .....	103.79	4.80
27 11 19 00-0062    EA    6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel .....	106.05	4.80
27 11 19 00-0063    EA    8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel .....	126.97	4.80
27 11 19 00-0064    EA    8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel .....	129.97	4.80
27 11 19 00-0065    EA    12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel .....	173.30	4.80
27 11 19 00-0066    EA    12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel .....	177.77	4.80
<b>27 11 19 00-0067</b> <b>LC Duplex, Fiber Optic Cable Connector Panels</b> <small>(27 11 19 00-0052)</small>		
27 11 19 00-0068    EA    6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel .....	112.47	4.80
27 11 19 00-0069    EA    6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	123.81	4.80
27 11 19 00-0070    EA    8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel .....	138.50	4.80
27 11 19 00-0071    EA    8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	153.63	4.80
27 11 19 00-0072    EA    12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel .....	190.62	4.80
27 11 19 00-0073    EA    12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	213.27	4.80
27 11 19 00-0074    EA    16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel .....	242.72	4.80
27 11 19 00-0075    EA    16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	272.91	4.80
27 11 19 00-0076    EA    24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel .....	346.90	4.80
27 11 19 00-0077    EA    24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	357.42	4.80
<b>27 11 19 00-0078</b> <b>ST Simplex, Fiber Optic Cable Connector Panels</b> <small>(27 11 19 00-0052)</small>		
27 11 19 00-0079    EA    6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel .....	88.99	4.80
27 11 19 00-0080    EA    6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel .....	96.27	4.80
27 11 19 00-0081    EA    8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel .....	107.21	4.80
27 11 19 00-0082    EA    8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel .....	116.92	4.80
27 11 19 00-0083    EA    12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel .....	143.63	4.80
27 11 19 00-0084    EA    12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel .....	158.21	4.80
<b>27 11 19 00-0085</b> <b>MT-RJ, Fiber Optic Cable Connector Panels</b> <small>(27 11 19 00-0052)</small>		
27 11 19 00-0086    EA    12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel .....	111.79	4.80
27 11 19 00-0087    EA    12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel .....	169.68	4.80
<b>27 11 19 00-0088</b> <b>Fiber Optic Cable Pretium Edge® Modules</b> <small>(27 11 19 00-0052)</small>		
27 11 19 00-0089    EA    12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module .....	1,000.17	4.80
27 11 19 00-0090    EA    12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module .....	1,003.66	4.80
<b>27 11 19 00-0091</b> <b>Fiber Optic Cable Splice Housings</b> <small>(27 11 19 00-0022)</small>		

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 11</b>	<b>Communications Equipment Room Fittings</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 11 19 00-0092</b> <b>Wall Mount, Fiber Optic Cable Splice Housings</b> <small>(27 11 19 00-0091)</small> Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0093 EA 12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door.....	354.10	48.02
<b>27 11 19 00-0094</b> <b>Rack Mount, Fiber Optic Cable Splice Housings</b> <small>(27 11 19 00-0091)</small> Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0095 EA 12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing .....	566.35	36.01
27 11 19 00-0096 EA 22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing .....	575.43	36.01
<b>27 11 19 00-0097</b> <b>Fiber Optic Cable Splice Trays</b> <small>(27 11 19 00-0091)</small>		
27 11 19 00-0098 EA Fiber Optic Cable Splice Tray .....	102.98	12.00
<b>27 11 19 00-0099</b> <b>Fiber Optic Cable Jumper Management Panels</b> <small>(27 11 19 00-0022)</small> Note: Includes mounting hardware.		
27 11 19 00-0100 EA Rack Mount, Fiber Optic Cable Jumper Management Panel .....	187.40	36.01
<b>27 11 19 00-0101</b> <b>Miscellaneous Accessories</b> <small>(27 11 19 00-0001)</small>		
27 11 19 00-0102 EA Wall Mount Bracket For 12 Or 24 Port Patch Panel.....	70.81	
27 11 19 00-0103 EA Wall Mount Bracket For 32 Or 48 Port Patch Panel.....	95.90	
27 11 19 00-0104 EA Wall Mount Bracket For 64 Or 72 Port Patch Panel.....	103.64	
27 11 19 00-0105 EA Wall Mount Bracket For 96 Port Patch Panel.....	115.02	
27 11 19 00-0106 EA Lightning Protection Plus Stainless Steel Modules, Siemon .....	488.25	48.02
<b>27 11 19 00-0107</b> <b>Telephone Components</b> <small>(27 11 19)</small>		
<b>27 11 19 00-0108</b> <b>Terminal Blocks With Wide Range Of 22-8 AWG</b> <small>(27 11 19 00-0107)</small>		
27 11 19 00-0109 EA Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG.....	30.40	9.63
27 11 19 00-0110 EA Terminal Block, Fuse Holder 600 Volt, 6.3 Amperes With Wire Range 22-8 AWG.....	62.58	9.63
27 11 19 00-0111 EA Terminal Block, Fuse Holder 600 Volt, 10 Amperes With Wire Range 22-8 AWG .....	49.41	9.63
27 11 19 00-0112 EA Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG.....	22.67	9.63
27 11 19 00-0113 EA Flat Terminal Block Connection With Wire Range 22-8 AWG .....	16.01	6.73
27 11 19 00-0114 EA Ground Terminal Block With Wire Range 22-8 AWG.....	31.79	9.63
27 11 19 00-0115 EA Terminal Block, Solderless Box With Lug 600 Volt, 60 Amperes With Wire Range 22-8 AWG .....	22.67	9.63
27 11 19 00-0116 EA Terminal Block, Mini Box Lug 300 Volt, 30 Amperes With Wire Range 22-8 AWG.....	15.80	6.73
27 11 19 00-0117 EA Flat Terminal Block Connection 300 Volt, 20 Amperes With Wire Range 22-8 AWG .....	15.66	6.73
27 11 19 00-0118 EA Self Lifting Terminal Block, 300 Volt, 40 Amperes, Wire Connection With Wire Range 22-12 AWG .....	16.30	6.73
<b>27 11 19 00-0119</b> <b>Terminal Block Mounting Channel</b> <small>(27 11 19 00-0107)</small>		
27 11 19 00-0120 EA Terminal Block Mounting Channel, .5 M Galvanized Steel .....	16.22	4.81
27 11 19 00-0121 EA Terminal Block Mounting Channel, 1 M Galvanized Steel .....	21.54	4.81
27 11 19 00-0122 EA Terminal Block Mounting Channel, 2 M Galvanized Steel .....	30.96	4.81
27 11 19 00-0123 EA Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc .....	21.11	5.78
27 11 19 00-0124 EA Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc .....	30.00	5.78
27 11 19 00-0125 EA Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc .....	44.81	5.78
<b>27 11 19 00-0126</b> <b>Outlet Termination Hardware</b> <small>(27 11 19 00-0107)</small>		
27 11 19 00-0127 EA Telephone Outlet Blocks.....	33.67	4.81
27 11 19 00-0128 EA Phone Outlet Block For Floor Box.....	82.46	36.49
Note: Excludes box.		
27 11 19 00-0129 EA Fiber Optic "SC" Type Modular Bulkhead .....	78.11	21.61
27 11 19 00-0130 EA Fiber Optic "ST" Type Modular Bulkhead .....	78.11	21.61
27 11 19 00-0131 EA Type "F" Coaxial Connector Male.....	44.80	14.41
27 11 19 00-0132 EA Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector .....	122.15	24.01
27 11 19 00-0133 EA Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	122.15	24.01
27 11 19 00-0134 EA Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	149.77	24.01
27 11 19 00-0135 EA Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	149.77	24.01
27 11 19 00-0136 EA Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector .....	135.24	24.01
27 11 19 00-0137 EA Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5.....	1,216.92	120.05
27 11 19 00-0138 EA Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V.....	56.39	9.61
Note: Excludes cable terminations.		
27 11 19 00-0139 EA 5-Pair, Connecting Block .....	3.27	0.96
27 11 19 00-0140 EA 4-Pair, Connecting Block .....	3.58	0.96
27 11 19 00-0141 EA Plastic Label Holder, Transparent.....	13.13	2.40
27 11 19 00-0142 EA Marked Label, White, 5-Pair .....	3.44	
27 11 19 00-0143 EA Marked Label, Blue, 4-Pair .....	3.44	
<b>27 11 19 00-0144</b> <b>Terminations in Manhole or Junction Box</b> <small>(27 11 19 00-0107)</small>		
27 11 19 00-0145 EA 25 Pair Cable Termination In Manhole Or Junction Box .....	153.67	
27 11 19 00-0146 EA 50 Pair Cable Termination In Manhole Or Junction Box .....	307.33	
27 11 19 00-0147 EA 100 Pair Cable Termination In Manhole Or Junction Box .....	614.66	
27 11 19 00-0148 EA 150 Pair Cable Termination In Manhole Or Junction Box .....	921.99	
27 11 19 00-0149 EA 200 Pair Cable Termination In Manhole Or Junction Box .....	1,078.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0150 EA 300 Pair Cable Termination In Manhole Or Junction Box .....	1,617.33	
27 11 19 00-0151 EA 400 Pair Cable Termination In Manhole Or Junction Box .....	2,034.14	
27 11 19 00-0152 EA 500 Pair Cable Termination In Manhole Or Junction Box .....	2,543.16	
27 11 19 00-0153 EA 750 Pair Cable Termination In Manhole Or Junction Box .....	3,814.72	
27 11 19 00-0154 EA 1,000 Pair Cable Termination In Manhole Or Junction Box .....	4,626.25	
27 11 19 00-0155 EA 1,200 Pair Cable Termination In Manhole Or Junction Box .....	5,272.69	
<b>27 11 23 Communications Cable Management and Ladder Rack (27 11)</b>		
<b>27 11 23 00-0001 Equipment Supports (27 11 23)</b>		
27 11 23 00-0002 EA 110 Jumper Trough (Commscope 107831133) .....	29.81	4.80
27 11 23 00-0003 LF Velcro CMP.....	2.40	0.96
27 11 23 00-0004 EA 12" x 5'-11" Tubular Runway .....	109.66	23.05
27 11 23 00-0005 EA 12" x 9'-11" Tubular Runway .....	188.86	38.42
27 11 23 00-0006 EA Shelf Bracket Support For Tubular Runway.....	34.60	7.20
27 11 23 00-0007 EA Straight Clamp Hardware For Tubular Runway .....	13.78	4.80
27 11 23 00-0008 EA Corner Clamp Hardware For Tubular Runway.....	14.82	4.80
27 11 23 00-0009 EA 90 Degree Edge Clamp Hardware For Tubular Runway .....	35.41	8.64
27 11 23 00-0010 EA Wall Angle Assembly Hardware For 12" Wide Tubular Runway .....	77.77	14.41
27 11 23 00-0011 EA J-Bolt Hardware For Tubular Runway.....	6.66	2.12
27 11 23 00-0012 EA T Bracket Hardware For Tubular Runway.....	38.61	12.00
<b>27 13 Communications Backbone Cabling (27 10)</b>		
<b>27 13 13 Communications Copper Backbone Cabling (27 13)</b>		
<b>27 13 13 13 Communications Copper Cable Splicing and Terminations (27 13 13)</b>		
<b>27 13 13 13-0001 Building Entrance Terminals (27 13 13 13)</b>		
27 13 13 13-0002 EA 25 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,584.95	210.55
27 13 13 13-0003 EA 50 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	2,161.51	350.92
27 13 13 13-0004 EA 100 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	3,106.46	561.91
<b>27 13 13 13-0005 Modular Plugs For Copper Communications Cable (27 13 13 13)</b>		
27 13 13 13-0006 EA Modular Plug For Non-Shielded Copper Communications Cable.....	23.39	
Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.		
For >5 To 10, Deduct		-2.87
For >10, Deduct		-5.75
27 13 13 13-0007 EA Modular Plug For Shielded Copper Communications Cable.....	26.69	
Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.		
For >5 To 10, Deduct		-3.23
For >10, Deduct		-6.47
<b>27 13 13 13-0008 Testing And Certification Of Copper Communications Cable (27 13 13 13)</b>		
Note: Use for existing systems.		
27 13 13 13-0009 EA Test 1-Pair Of A Copper Communications Cable For Continuity .....	4.80	
For >25-Pair, Deduct		-1.92
27 13 13 13-0010 EA Certify 1-Pair Of A Copper Communications Cable.....	7.20	
For >25-Pair, Deduct		-2.87
27 13 13 13-0011 EA Certify And Document 1-Pair Of A Copper Communications Cable .....	11.52	
For >25-Pair, Deduct		-4.60
27 13 13 13-0012 EA Test 4-Pair Category 5-7 Telecommunications Cable For Continuity .....	19.20	
For >25-Pair, Deduct		-7.66
27 13 13 13-0013 EA Certify 4-Pair Category 5-7 Telecommunications Cable .....	28.81	
For >25-Pair, Deduct		-11.49
27 13 13 13-0014 EA Certify And Document 4-Pair Category 5-7 Telecommunications Cable .....	46.10	
For >25-Pair, Deduct		-18.39
<b>27 13 13 13-0015 Communications Termination Blocks (27 13 13 13)</b>		
27 13 13 13-0016 EA 100-Pair, 110 Block With Legs.....	53.98	12.00
27 13 13 13-0017 EA 300-Pair, 110 Block With Legs.....	97.57	12.00
27 13 13 13-0018 EA Clear Label Holder For 110 Wiring Block.....	10.46	4.80
27 13 13 13-0019 EA 4-Pair, 110C Connecting Block.....	6.12	2.40
27 13 13 13-0020 EA 5-Pair, 110C Connecting Block.....	6.28	2.40
27 13 13 13-0021 EA 100-Pair, 110 Jack Panel System.....	329.14	14.41
Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 13 13 13-0022 EA 300-Pair, 110 Jack Panel System.....	605.77	14.41
Note: Includes twelve 8-pin modular jacks and mounting legs.		
<b>27 13 23 Communications Optical Fiber Backbone Cabling (27 13)</b>		
<b>27 13 23 13 Communications Optical Fiber Splicing and Terminations (27 13 23)</b>		
<b>27 13 23 13-0001 Fiber Optic Cable Connectors (27 13 23 13)</b>		
27 13 23 13-0002 EA ST Connector For Multimode Fiber Optic Cable.....	29.19	
27 13 23 13-0003 EA ST Connector For Singlemode Fiber Optic Cable.....	34.16	
27 13 23 13-0004 EA SC Connector For Multimode Fiber Optic Cable.....	32.87	

**27 Communications****27 10 Structured Cabling****27 13 Communications Backbone Cabling**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 13 23 13-0005	EA	SC Connector For Singlemode Fiber Optic Cable .....	39.21	
27 13 23 13-0006	EA	LC Connector For Multimode Fiber Optic Cable .....	45.31	
27 13 23 13-0007	EA	LC Connector For Singlemode Fiber Optic Cable.....	46.79	
27 13 23 13-0008	EA	Duplex LC Connector For Multimode Fiber Optic Cable.....	66.61	
27 13 23 13-0009	EA	Duplex LC Connector For Singlemode Fiber Optic Cable.....	69.56	
27 13 23 13-0010	EA	MT-RJ Connector For Multimode Fiber Optic Cable.....	69.68	
<b>27 13 23 13-0011</b>		<b>Fiber Optic Cable Fan Out Kits (27 13 23 13)</b>		
<b>27 13 23 13-0012</b>		<b>Buffer Tube Fan Out Kits For Fiber Optic Cable (27 13 23 13-0011)</b>		
27 13 23 13-0013	EA	6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	215.05	
27 13 23 13-0014	EA	12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable .....	219.43	
27 13 23 13-0015	EA	6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	256.47	
27 13 23 13-0016	EA	12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	284.24	
<b>27 13 23 13-0017</b>		<b>Spider Fan Out Kits For Fiber Optic Cable (27 13 23 13-0011)</b>		
		Note: For tight buffered or loose tube non-armed cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 13 23 13-0018	EA	6-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	269.07	
27 13 23 13-0019	EA	12-Fiber, Spider Fan Out Kit For Fiber Optic Cable .....	298.50	
27 13 23 13-0020	EA	18-Fiber, Spider Fan Out Kit For Fiber Optic Cable .....	433.01	
27 13 23 13-0021	EA	24-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	558.48	
<b>27 13 23 13-0022</b>		<b>Fiber Optic Cable Splice Closures (27 13 23 13)</b>		
		Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 13 23 13-0023	EA	Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure .....	902.78	96.04
27 13 23 13-0024	EA	Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure .....	1,094.85	192.09
27 13 23 13-0025	EA	Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure .....	1,094.85	192.09
27 13 23 13-0026	EA	Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure .....	1,545.83	96.04
27 13 23 13-0027	EA	Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure .....	1,737.90	192.09
27 13 23 13-0028	EA	Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure .....	1,737.90	192.09
27 13 23 13-0029	EA	Splice Tray For Fiber Optic Cable Splice Closure.....	59.83	12.00
		Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		
<b>27 13 23 13-0030</b>		<b>Fiber Optic Cable Testing (27 13 23 13)</b>		
		Note: Price based on testing one wavelength.		
<b>27 13 23 13-0031</b>		<b>Fiber Optic Cable Testing Using An OTDR (27 13 23 13-0030)</b>		
		Note: Testing using an optical time domain reflectometer.		
27 13 23 13-0032	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test .....	19.20	
		For >12 To 48 Strands, Deduct	-1.44	
		For >48 Strands, Deduct	-1.92	
27 13 23 13-0033	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test .....	28.81	
		For >12 To 48 Strands, Deduct	-2.16	
		For >48 Strands, Deduct	-2.88	
27 13 23 13-0034	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation .....	48.02	
		For >12 To 48 Strands, Deduct	-3.60	
		For >48 Strands, Deduct	-4.80	
27 13 23 13-0035	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation .....	72.03	
		For >12 To 48 Strands, Deduct	-5.40	
		For >48 Strands, Deduct	-7.20	
<b>27 13 23 13-0036</b>		<b>Fiber Optic Cable Testing Using A Power Meter (27 13 23 13-0030)</b>		
27 13 23 13-0037	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test .....	19.20	
		For >12 To 48 Strands, Deduct	-1.44	
		For >48 Strands, Deduct	-1.92	
27 13 23 13-0038	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test .....	28.81	
		For >12 To 48 Strands, Deduct	-2.16	
		For >48 Strands, Deduct	-2.88	
<b>27 13 23 13-0039</b>		<b>Fiber Optic Cable Light Source/Continuity Testing (27 13 23 13-0030)</b>		
27 13 23 13-0040	EA	Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test .....	19.20	
		For >12 To 48 Strands, Deduct	-1.44	
		For >48 Strands, Deduct	-1.92	
<b>27 13 23 13-0041</b>		<b>Fiber Optic Cable Splicing (27 13 23 13)</b>		
27 13 23 13-0042	EA	Single Strand, Fusion Splice Of Fiber Optic Cable .....	28.81	
27 13 23 13-0043	EA	12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable.....	96.04	
<b>27 13 23 13-0044</b>		<b>Other Fiber Optic Cable Splicing (27 13 23 13)</b>		
27 13 23 13-0045	EA	Fiber Optic Finger Splice .....	33.96	18.06
27 13 23 13-0046	EA	Fiber Optic Splice Box - Manholes.....	5,575.64	



<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>	
<b>Communications Horizontal Cabling</b>	<b>27 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 Communications Horizontal Cabling <sup>(27 10)</sup>

27 15 01 Communications Horizontal Cabling Applications <sup>(27 15)</sup>

27 15 01 13 Video Surveillance Communications Conductors and Cables <sup>(27 15 01)</sup>

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 15 Access Control Communications Conductors and Cables <sup>(27 15 01)</sup>

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 16 Voice Communications Horizontal Cabling <sup>(27 15 01)</sup>

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 17 Intrusion Detection Communications Conductors and Cables <sup>(27 15 01)</sup>

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables, 27 15 01 19-0000 for Type FPLP Cable.

27 15 01 19 Fire Alarm Communications Conductors and Cables <sup>(27 15 01)</sup>

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 01 19-0001 Fire Alarm/Life Safety Cable <sup>(27 15 01 19)</sup>

27 15 01 19-0002 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable <sup>(27 15 01 19-0001)</sup>

27 15 01 19-0003 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit <sup>(27 15 01 19-0002)</sup>

27 15 01 19-0004	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,667.00	653.46
27 15 01 19-0005	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	2,089.55	677.09
27 15 01 19-0006	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,901.64	742.78
27 15 01 19-0007	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	2,579.03	769.29
27 15 01 19-0008	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	2,192.17	831.52
27 15 01 19-0009	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	3,159.62	861.48
27 15 01 19-0010	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	2,846.95	950.80
27 15 01 19-0011	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	4,354.31	984.71

27 15 01 19-0012 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed <sup>(27 15 01 19-0002)</sup>

27 15 01 19-0013	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	2,756.10	1,307.12
27 15 01 19-0014	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	3,218.04	1,354.18
27 15 01 19-0015	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	3,139.62	1,485.75
27 15 01 19-0016	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	3,861.17	1,538.57
27 15 01 19-0017	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	3,578.04	1,663.43
27 15 01 19-0018	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	4,595.42	1,722.98
27 15 01 19-0019	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	4,431.63	1,901.61
27 15 01 19-0020	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	5,995.65	1,969.80

27 15 01 19-0021 Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit <sup>(27 15 01 19-0001)</sup>

27 15 01 19-0022	MLF	2 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,016.96	534.75
27 15 01 19-0023	MLF	4 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,108.05	553.77
27 15 01 19-0024	MLF	2 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,236.21	653.46

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0025 MLF 3 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,329.08	665.28
27 15 01 19-0026 MLF 4 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,384.00	677.09
27 15 01 19-0027 MLF 6 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,565.81	700.71
27 15 01 19-0028 MLF 8 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,830.17	724.34
27 15 01 19-0029 MLF 2 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,448.89	742.78
27 15 01 19-0030 MLF 4 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,651.84	769.29
27 15 01 19-0031 MLF 2 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,688.17	831.52
27 15 01 19-0032 MLF 4 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,009.05	861.48
27 15 01 19-0033 MLF 2 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,081.94	950.80
27 15 01 19-0034 MLF 4 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,604.28	984.71
<b>27 15 01 19-0035 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable</b> <small>(27 15 01 19-0001)</small>		
<b>27 15 01 19-0036 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit</b> <small>(27 15 01 19-0035)</small>		
27 15 01 19-0037 MLF 2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,007.07	534.75
27 15 01 19-0038 MLF 2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,229.78	653.46
27 15 01 19-0039 MLF 3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,391.20	665.28
27 15 01 19-0040 MLF 4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,401.20	677.09
27 15 01 19-0041 MLF 6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,655.58	700.71
27 15 01 19-0042 MLF 2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,439.18	742.78
27 15 01 19-0043 MLF 4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,673.63	769.29
27 15 01 19-0044 MLF 2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,644.45	831.52
27 15 01 19-0045 MLF 4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,182.78	861.48
27 15 01 19-0046 MLF 2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,067.65	950.80
27 15 01 19-0047 MLF 4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,868.02	984.71
<b>27 15 01 19-0048 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed</b> <small>(27 15 01 19-0035)</small>		
27 15 01 19-0049 MLF 2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,898.33	1,069.89
27 15 01 19-0050 MLF 2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,318.88	1,307.12
27 15 01 19-0051 MLF 3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,499.52	1,330.17
27 15 01 19-0052 MLF 4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,529.69	1,354.18
27 15 01 19-0053 MLF 6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,823.44	1,401.24
27 15 01 19-0054 MLF 2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,677.16	1,485.75
27 15 01 19-0055 MLF 4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,955.77	1,538.57
27 15 01 19-0056 MLF 2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,030.32	1,663.43
27 15 01 19-0057 MLF 4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,618.58	1,722.98
27 15 01 19-0058 MLF 2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,652.33	1,901.61
27 15 01 19-0059 MLF 4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,509.36	1,969.80
<b>27 15 01 19-0060 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable</b> <small>(27 15 01 19-0001)</small>		
<b>27 15 01 19-0061 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit</b> <small>(27 15 01 19-0060)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0062 MLF 2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,047.79	534.75
27 15 01 19-0063 MLF 2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,258.86	653.46
27 15 01 19-0064 MLF 3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,499.15	665.28
27 15 01 19-0065 MLF 4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,430.96	677.09
27 15 01 19-0066 MLF 6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,686.01	700.71
27 15 01 19-0067 MLF 2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,506.02	742.78
27 15 01 19-0068 MLF 4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,704.54	769.29
27 15 01 19-0069 MLF 2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,788.61	831.52
27 15 01 19-0070 MLF 4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,110.50	861.48
27 15 01 19-0071 MLF 2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,174.33	950.80
27 15 01 19-0072 MLF 4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,648.56	984.71
<b>27 15 01 19-0073 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed</b> <small>(27 15 01 19-0060)</small>		
27 15 01 19-0074 MLF 2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,939.05	1,069.89
27 15 01 19-0075 MLF 2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,347.96	1,307.12
27 15 01 19-0076 MLF 3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,607.47	1,330.17
27 15 01 19-0077 MLF 4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,559.45	1,354.18
27 15 01 19-0078 MLF 6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,853.87	1,401.24
27 15 01 19-0079 MLF 2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,744.00	1,485.75
27 15 01 19-0080 MLF 4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,986.68	1,538.57
27 15 01 19-0081 MLF 2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,174.48	1,663.43
27 15 01 19-0082 MLF 4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,546.30	1,722.98
27 15 01 19-0083 MLF 2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,759.01	1,901.61
27 15 01 19-0084 MLF 4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,289.90	1,969.80
<b>27 15 01 19-0085 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable</b> <small>(27 15 01 19-0001)</small>		
<b>27 15 01 19-0086 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit</b> <small>(27 15 01 19-0085)</small>		
27 15 01 19-0087 MLF 2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,020.52	534.75
27 15 01 19-0088 MLF 2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,293.54	653.46
27 15 01 19-0089 MLF 3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,414.27	665.28
27 15 01 19-0090 MLF 4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,515.18	677.09
27 15 01 19-0091 MLF 6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,736.84	700.71
27 15 01 19-0092 MLF 2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,497.21	742.78
27 15 01 19-0093 MLF 4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,802.84	769.29
27 15 01 19-0094 MLF 2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,770.57	831.52
27 15 01 19-0095 MLF 4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,327.78	861.48
27 15 01 19-0096 MLF 2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,151.65	950.80
<b>27 15 01 19-0097 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed</b> <small>(27 15 01 19-0085)</small>		
27 15 01 19-0098 MLF 2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,911.78	1,069.89
27 15 01 19-0099 MLF 2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,382.64	1,307.12

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01	19-0100	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,522.59	1,330.17
27 15 01	19-0101	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,643.67	1,354.18
27 15 01	19-0102	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,904.70	1,401.24
27 15 01	19-0103	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,735.19	1,485.75
27 15 01	19-0104	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,084.98	1,538.57
27 15 01	19-0105	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,156.44	1,663.43
27 15 01	19-0106	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,763.58	1,722.98
27 15 01	19-0107	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,736.33	1,901.61

**27 15 13 Communications Copper Horizontal Cabling** (27 15)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

**27 15 13 00-0001 Solid Conductor Low Voltage Cable** (27 15 13)**27 15 13 00-0002 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** (27 15 13 00-0001)**27 15 13 00-0003 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** (27 15 13 00-0002)

27 15 13 00-0004	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,932.17	868.53
		<i>For #10 AWG, Add</i>	449.42	
		<i>For Work In Restricted Working Space, Add</i>	434.30	
27 15 13 00-0005	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,393.24	899.23
		<i>For #10 AWG, Add</i>	594.88	
		<i>For Work In Restricted Working Space, Add</i>	449.75	
27 15 13 00-0006	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,796.55	930.82
		<i>For #10 AWG, Add</i>	721.24	
		<i>For Work In Restricted Working Space, Add</i>	465.28	
27 15 13 00-0007	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,223.78	962.40
		<i>For #10 AWG, Add</i>	855.27	
		<i>For Work In Restricted Working Space, Add</i>	481.34	
27 15 13 00-0008	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,683.55	1,027.32
		<i>For #10 AWG, Add</i>	992.92	
		<i>For Work In Restricted Working Space, Add</i>	513.81	
27 15 13 00-0009	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,102.00	1,091.37
		<i>For #10 AWG, Add</i>	1,117.14	
		<i>For Work In Restricted Working Space, Add</i>	545.83	
27 15 13 00-0010	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,438.65	1,221.20
		<i>For #10 AWG, Add</i>	1,200.21	
		<i>For Work In Restricted Working Space, Add</i>	610.49	
27 15 13 00-0011	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,887.49	1,609.85
		<i>For #10 AWG, Add</i>	1,594.14	
		<i>For Work In Restricted Working Space, Add</i>	804.77	
27 15 13 00-0012	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,768.84	2,377.49
		<i>For #10 AWG, Add</i>	2,378.73	
		<i>For Work In Restricted Working Space, Add</i>	1,188.44	

**27 15 13 00-0013 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** (27 15 13 00-0002)

27 15 13 00-0014	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,728.88	759.75
		<i>For Work In Restricted Working Space, Add</i>	379.79	
27 15 13 00-0015	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,165.82	786.94
		<i>For Work In Restricted Working Space, Add</i>	393.47	
27 15 13 00-0016	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,547.35	814.14
		<i>For Work In Restricted Working Space, Add</i>	407.16	
27 15 13 00-0017	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,950.88	842.21
		<i>For Work In Restricted Working Space, Add</i>	421.11	
27 15 13 00-0018	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,381.51	899.23
		<i>For Work In Restricted Working Space, Add</i>	449.53	





	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0019	MLF 6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		3,772.36 477.43	955.38
	<i>For Work In Restricted Working Space, Add</i>			
27 15 13 00-0020	MLF 8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		4,077.56 534.28	1,068.56
	<i>For Work In Restricted Working Space, Add</i>			
27 15 13 00-0021	MLF 12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		5,408.97 704.03	1,408.07
	<i>For Work In Restricted Working Space, Add</i>			
27 15 13 00-0022	MLF 24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		8,060.39 1,040.13	2,080.09
	<i>For Work In Restricted Working Space, Add</i>			
<b>27 15 13 00-0023</b>	<b>#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0002)</small>			
27 15 13 00-0024	MLF 1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		1,538.49 339.25	678.15
	<i>For Work In Restricted Working Space, Add</i>			
27 15 13 00-0025	MLF 2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		1,825.33 351.36	702.72
	<i>For Work In Restricted Working Space, Add</i>			
27 15 13 00-0026	MLF 3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		2,259.60 363.47	727.28
	<i>For Work In Restricted Working Space, Add</i>			
27 15 13 00-0027	MLF 4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		2,616.13 376.10	751.85
	<i>For Work In Restricted Working Space, Add</i>			
27 15 13 00-0028	MLF 5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		2,996.13 401.37	802.73
	<i>For Work In Restricted Working Space, Add</i>			
27 15 13 00-0029	MLF 6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		3,341.77 426.37	852.74
	<i>For Work In Restricted Working Space, Add</i>			
27 15 13 00-0030	MLF 7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		3,476.94 451.64	903.63
	<i>For Work In Restricted Working Space, Add</i>			
27 15 13 00-0031	MLF 8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		3,612.97 477.17	954.51
	<i>For Work In Restricted Working Space, Add</i>			
27 15 13 00-0032	MLF 9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		4,050.94 507.43	1,015.04
	<i>For Work In Restricted Working Space, Add</i>			
27 15 13 00-0033	MLF 12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		4,792.01 628.63	1,257.18
	<i>For Work In Restricted Working Space, Add</i>			
27 15 13 00-0034	MLF 24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		7,140.41 928.67	1,857.25
	<i>For Work In Restricted Working Space, Add</i>			
<b>27 15 13 00-0035</b>	<b>#18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0002)</small>			
27 15 13 00-0036	MLF 1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		1,282.70 298.46	597.45
	<i>For Work In Restricted Working Space, Add</i>			
27 15 13 00-0037	MLF 2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		1,561.99 309.25	618.50
	<i>For Work In Restricted Working Space, Add</i>			
27 15 13 00-0038	MLF 3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		1,806.82 320.04	639.55
	<i>For Work In Restricted Working Space, Add</i>			
27 15 13 00-0039	MLF 4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		2,064.80 330.83	661.49
	<i>For Work In Restricted Working Space, Add</i>			
27 15 13 00-0040	MLF 5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		2,348.21 353.20	706.23
	<i>For Work In Restricted Working Space, Add</i>			
27 15 13 00-0041	MLF 6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		2,607.11 375.31	750.09
	<i>For Work In Restricted Working Space, Add</i>			
27 15 13 00-0042	MLF 8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		2,827.32 419.79	839.58
	<i>For Work In Restricted Working Space, Add</i>			
27 15 13 00-0043	MLF 12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		3,748.11 553.23	1,106.28
	<i>For Work In Restricted Working Space, Add</i>			
27 15 13 00-0044	MLF 24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....		5,580.06 817.21	1,634.42
	<i>For Work In Restricted Working Space, Add</i>			
<b>27 15 13 00-0045</b>	<b>#20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0002)</small>			

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 15</b>	<b>Communications Horizontal Cabling</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0046 MLF 1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 1,125.70 <i>For Work In Restricted Working Space, Add</i> 271.35	1,125.70	543.05
27 15 13 00-0047 MLF 2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 1,346.36 <i>For Work In Restricted Working Space, Add</i> 281.09	1,346.36	562.35
27 15 13 00-0048 MLF 3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 1,538.11 <i>For Work In Restricted Working Space, Add</i> 290.83	1,538.11	582.10
27 15 13 00-0049 MLF 4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 1,740.01 <i>For Work In Restricted Working Space, Add</i> 300.83	1,740.01	601.83
27 15 13 00-0050 MLF 5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 1,969.66 <i>For Work In Restricted Working Space, Add</i> 320.96	1,969.66	642.19
27 15 13 00-0051 MLF 6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 2,179.09 <i>For Work In Restricted Working Space, Add</i> 341.09	2,179.09	682.54
27 15 13 00-0052 MLF 8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 2,385.46 <i>For Work In Restricted Working Space, Add</i> 381.63	2,385.46	763.26
27 15 13 00-0053 MLF 12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 3,139.74 <i>For Work In Restricted Working Space, Add</i> 502.96	3,139.74	1,006.27
27 15 13 00-0054 MLF 24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 4,671.43 <i>For Work In Restricted Working Space, Add</i> 742.99	4,671.43	1,486.15
27 15 13 00-0055 MLF 25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 4,977.91 <i>For Work In Restricted Working Space, Add</i> 760.62	4,977.91	1,521.25
27 15 13 00-0056 MLF 36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 5,945.05 <i>For Work In Restricted Working Space, Add</i> 885.64	5,945.05	1,771.28
27 15 13 00-0057 MLF 40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 6,380.01 <i>For Work In Restricted Working Space, Add</i> 948.01	6,380.01	1,895.86
27 15 13 00-0058 MLF 50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 7,595.28 <i>For Work In Restricted Working Space, Add</i> 1,184.62	7,595.28	2,369.60
27 15 13 00-0059 MLF 100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 10,359.08 <i>For Work In Restricted Working Space, Add</i> 1,559.66	10,359.08	3,119.69
<b>27 15 13 00-0060 #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)</b>		
27 15 13 00-0061 MLF 1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 929.86 <i>For Work In Restricted Working Space, Add</i> 244.24	929.86	488.66
27 15 13 00-0062 MLF 2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 1,001.44 <i>For Work In Restricted Working Space, Add</i> 252.93	1,001.44	506.20
27 15 13 00-0063 MLF 3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 1,090.15 <i>For Work In Restricted Working Space, Add</i> 261.88	1,090.15	523.75
27 15 13 00-0064 MLF 4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 1,186.95 <i>For Work In Restricted Working Space, Add</i> 270.82	1,186.95	541.30
27 15 13 00-0065 MLF 5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 1,327.88 <i>For Work In Restricted Working Space, Add</i> 288.98	1,327.88	578.14
27 15 13 00-0066 MLF 6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 1,470.95 <i>For Work In Restricted Working Space, Add</i> 306.35	1,470.95	612.36
<b>27 15 13 00-0067 Triad (27 15 13 00-0002)</b>		
27 15 13 00-0068 MLF 1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit ..... 2,234.20	2,234.20	727.28
27 15 13 00-0069 MLF 4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit ..... 2,906.30	2,906.30	1,006.27
27 15 13 00-0070 MLF 8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit ..... 4,547.80	4,547.80	1,486.15
27 15 13 00-0071 MLF 12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit ..... 5,670.56	5,670.56	1,771.28
27 15 13 00-0072 MLF 24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit ..... 9,298.27	9,298.27	2,744.21
27 15 13 00-0073 MLF 36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit ..... 10,700.45	10,700.45	3,119.69
<b>27 15 13 00-0074 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0001)</b>		
<b>27 15 13 00-0075 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0076 MLF 1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,379.85 738.96 868.61	1,737.06
27 15 13 00-0077 MLF 2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,892.41 894.71 899.50	1,798.48
27 15 13 00-0078 MLF 3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,347.47 1,031.43 930.55	1,861.64
27 15 13 00-0079 MLF 4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,828.29 1,176.17 962.70	1,924.80
27 15 13 00-0080 MLF 5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,396.25 1,335.46 1,027.62	2,054.65
27 15 13 00-0081 MLF 6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,921.42 1,481.02 1,091.65	2,182.73
27 15 13 00-0082 MLF 8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,473.61 1,607.20 1,220.98	2,442.41
27 15 13 00-0083 MLF 12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,570.05 2,130.65 1,609.54	3,219.70
27 15 13 00-0084 MLF 24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	12,730.30 3,171.02 2,376.88	4,754.98
<b>27 15 13 00-0085 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0074)</small>		
27 15 13 00-0086 MLF 1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,994.83 759.57	1,519.49
27 15 13 00-0087 MLF 2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,477.40 786.94	1,573.89
27 15 13 00-0088 MLF 3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,904.54 814.31	1,628.28
27 15 13 00-0089 MLF 4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	4,354.56 842.21	1,684.42
27 15 13 00-0090 MLF 5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	4,879.95 899.06	1,798.48
27 15 13 00-0091 MLF 6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	5,363.79 954.86	1,910.76
27 15 13 00-0092 MLF 8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	5,858.50 1,068.56	2,137.11
27 15 13 00-0093 MLF 12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	7,755.75 1,408.07	2,816.15
27 15 13 00-0094 MLF 24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	11,527.50 2,080.26	4,160.18
<b>27 15 13 00-0095 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0074)</small>		
27 15 13 00-0096 MLF 1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,669.34 678.51	1,356.31
27 15 13 00-0097 MLF 2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,996.54 702.72	1,405.45
27 15 13 00-0098 MLF 3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,471.17 726.94	1,454.57
27 15 13 00-0099 MLF 4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,869.80 752.20	1,503.70

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0100	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	4,334.02	1,605.47
		<i>For Work In Restricted Working Space, Add</i>		802.73	
27 15 13 00-0101	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	4,762.99	1,705.48
		<i>For Work In Restricted Working Space, Add</i>		852.74	
27 15 13 00-0102	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	4,982.38	1,807.24
		<i>For Work In Restricted Working Space, Add</i>		903.27	
27 15 13 00-0103	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	5,203.53	1,909.01
		<i>For Work In Restricted Working Space, Add</i>		954.33	
27 15 13 00-0104	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	5,742.38	2,030.08
		<i>For Work In Restricted Working Space, Add</i>		1,014.86	
27 15 13 00-0105	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	6,887.45	2,514.35
		<i>For Work In Restricted Working Space, Add</i>		1,257.26	
27 15 13 00-0106	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	10,235.99	3,714.51
		<i>For Work In Restricted Working Space, Add</i>		1,857.34	
<b>27 15 13 00-0107</b>		<b>#18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0074)</small>			
27 15 13 00-0108	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	2,277.57	1,194.89
		<i>For Work In Restricted Working Space, Add</i>		596.92	
27 15 13 00-0109	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	2,592.82	1,237.00
		<i>For Work In Restricted Working Space, Add</i>		618.50	
27 15 13 00-0110	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	2,873.62	1,279.11
		<i>For Work In Restricted Working Space, Add</i>		640.08	
27 15 13 00-0111	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	3,167.56	1,322.97
		<i>For Work In Restricted Working Space, Add</i>		661.66	
27 15 13 00-0112	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	3,525.56	1,412.46
		<i>For Work In Restricted Working Space, Add</i>		706.41	
27 15 13 00-0113	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	3,858.14	1,500.19
		<i>For Work In Restricted Working Space, Add</i>		750.62	
27 15 13 00-0114	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	4,226.62	1,679.16
		<i>For Work In Restricted Working Space, Add</i>		839.58	
27 15 13 00-0115	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	5,592.20	2,212.56
		<i>For Work In Restricted Working Space, Add</i>		1,106.45	
27 15 13 00-0116	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	8,304.07	3,268.83
		<i>For Work In Restricted Working Space, Add</i>		1,634.41	
<b>27 15 13 00-0117</b>		<b>#20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0074)</small>			
27 15 13 00-0118	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	2,030.20	1,086.10
		<i>For Work In Restricted Working Space, Add</i>		542.70	
27 15 13 00-0119	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	2,283.32	1,124.71
		<i>For Work In Restricted Working Space, Add</i>		562.18	
27 15 13 00-0120	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	2,507.54	1,164.18
		<i>For Work In Restricted Working Space, Add</i>		581.66	
27 15 13 00-0121	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	2,742.78	1,203.66
		<i>For Work In Restricted Working Space, Add</i>		601.66	
27 15 13 00-0122	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	3,039.53	1,284.38
		<i>For Work In Restricted Working Space, Add</i>		641.92	
27 15 13 00-0123	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	3,316.08	1,365.09
		<i>For Work In Restricted Working Space, Add</i>		682.19	
27 15 13 00-0124	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	3,657.55	1,526.51
		<i>For Work In Restricted Working Space, Add</i>		763.25	
27 15 13 00-0125	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	4,816.27	2,012.53
		<i>For Work In Restricted Working Space, Add</i>		1,005.92	
27 15 13 00-0126	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	7,148.05	2,972.31
		<i>For Work In Restricted Working Space, Add</i>		1,485.97	



<b>Communications</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>
<b>Communications Horizontal Cabling</b>	<b>27 15</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0127 MLF 25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,513.29	3,042.49
For Work In Restricted Working Space, Add	1,521.24	
27 15 13 00-0128 MLF 36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,897.19	3,542.56
For Work In Restricted Working Space, Add	1,771.28	
27 15 13 00-0129 MLF 40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,540.05	3,791.70
For Work In Restricted Working Space, Add	1,896.02	
27 15 13 00-0130 MLF 50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	11,544.01	4,739.19
For Work In Restricted Working Space, Add	2,369.24	
27 15 13 00-0131 MLF 100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	15,557.94	6,239.38
For Work In Restricted Working Space, Add	3,119.32	
<b>27 15 13 00-0132 #22 AWG, Shielded, Low Voltage Cable, Installed Exposed (27 15 13 00-0074)</b>		
27 15 13 00-0133 MLF 1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,744.00	977.31
For Work In Restricted Working Space, Add	488.48	
27 15 13 00-0134 MLF 2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,844.53	1,012.41
For Work In Restricted Working Space, Add	505.85	
27 15 13 00-0135 MLF 3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,963.07	1,047.50
For Work In Restricted Working Space, Add	523.75	
27 15 13 00-0136 MLF 4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,089.70	1,082.59
For Work In Restricted Working Space, Add	541.65	
27 15 13 00-0137 MLF 5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,291.16	1,156.29
For Work In Restricted Working Space, Add	577.97	
27 15 13 00-0138 MLF 6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,492.14	1,224.72
For Work In Restricted Working Space, Add	612.71	
<b>27 15 13 00-0139 Triad, Installed Exposed (27 15 13 00-0074)</b>		
27 15 13 00-0140 MLF 1 Triad, #16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	2,234.20	727.28
27 15 13 00-0141 MLF 4 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	2,906.30	1,006.27
27 15 13 00-0142 MLF 8 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	4,547.80	1,486.15
27 15 13 00-0143 MLF 12 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	5,670.56	1,771.28
27 15 13 00-0144 MLF 24 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	9,298.27	2,744.21
27 15 13 00-0145 MLF 36 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	10,700.45	3,119.69
<b>27 15 13 00-0146 Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0001)</b>		
<b>27 15 13 00-0147 #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)</b>		
27 15 13 00-0148 MLF 1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,501.12	759.75
For Work In Restricted Working Space, Add	379.79	
27 15 13 00-0149 MLF 2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,745.54	786.94
For Work In Restricted Working Space, Add	393.47	
27 15 13 00-0150 MLF 3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,961.81	814.14
For Work In Restricted Working Space, Add	407.16	
27 15 13 00-0151 MLF 4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,189.69	842.21
For Work In Restricted Working Space, Add	421.11	
27 15 13 00-0152 MLF 5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,453.31	898.36
For Work In Restricted Working Space, Add	449.00	
27 15 13 00-0153 MLF 6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,698.50	954.51
For Work In Restricted Working Space, Add	477.17	
27 15 13 00-0154 MLF 8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,947.64	1,068.56
For Work In Restricted Working Space, Add	534.28	
27 15 13 00-0155 MLF 12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,902.42	1,408.07
For Work In Restricted Working Space, Add	704.03	
27 15 13 00-0156 MLF 24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,800.56	2,080.09
For Work In Restricted Working Space, Add	1,040.13	
<b>27 15 13 00-0157 #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)</b>		

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0158 MLF 1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,337.93 339.25	678.15
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0159 MLF 2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,553.35 351.36	702.72
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0160 MLF 3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,743.97 363.47	727.28
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0161 MLF 4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,945.82 376.10	751.85
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0162 MLF 5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,179.43 401.11	801.86
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0163 MLF 6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,396.89 426.37	852.74
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0164 MLF 7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,507.00 451.64	903.63
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0165 MLF 8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,684.38 477.17	954.51
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0166 MLF 9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,967.49 507.41	1,015.04
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0167 MLF 12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,465.33 628.63	1,257.18
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0168 MLF 24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,150.83 928.80	1,857.25
<i>For Work In Restricted Working Space, Add</i>		
<b>27 15 13 00-0169 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)</b>		
27 15 13 00-0170 MLF 1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,167.70 298.46	596.56
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0171 MLF 2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,340.75 309.25	618.50
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0172 MLF 3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,448.24 320.04	640.43
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0173 MLF 4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,591.50 330.83	661.49
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0174 MLF 5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,761.42 353.20	706.23
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0175 MLF 6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,930.48 375.31	750.97
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0176 MLF 8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,329.06 419.79	839.58
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0177 MLF 12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,023.47 553.23	1,106.28
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0178 MLF 24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,012.15 817.21	1,634.42
<i>For Work In Restricted Working Space, Add</i>		
<b>27 15 13 00-0179 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)</b>		
27 15 13 00-0180 MLF 1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,026.50 271.35	543.05
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0181 MLF 2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,144.94 281.09	562.35
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0182 MLF 3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,355.70 320.04	640.43
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0183 MLF 4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,496.60 336.62	673.24
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0184 MLF 5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,634.45 353.20	706.23
<i>For Work In Restricted Working Space, Add</i>		



<b>Communications</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>
<b>Communications Horizontal Cabling</b>	<b>27 15</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0185	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,780.45	750.97	
		<i>For Work In Restricted Working Space, Add</i>	375.31		
27 15 13 00-0186	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,958.77	835.72	
		<i>For Work In Restricted Working Space, Add</i>	417.95		
27 15 13 00-0187	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,419.86	1,006.27	
		<i>For Work In Restricted Working Space, Add</i>	502.96		
27 15 13 00-0188	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,591.61	1,486.15	
		<i>For Work In Restricted Working Space, Add</i>	742.99		
27 15 13 00-0189	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,776.23	1,521.25	
		<i>For Work In Restricted Working Space, Add</i>	760.62		
27 15 13 00-0190	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,472.58	1,771.28	
		<i>For Work In Restricted Working Space, Add</i>	885.64		
27 15 13 00-0191	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,795.83	1,895.86	
		<i>For Work In Restricted Working Space, Add</i>	948.01		
27 15 13 00-0192	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,801.23	2,369.60	
		<i>For Work In Restricted Working Space, Add</i>	1,184.62		
27 15 13 00-0193	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,820.33	3,119.69	
		<i>For Work In Restricted Working Space, Add</i>	1,559.66		
<b>27 15 13 00-0194</b>		<b>#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0146)</small>			
27 15 13 00-0195	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	895.03	488.66	
		<i>For Work In Restricted Working Space, Add</i>	244.24		
27 15 13 00-0196	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	953.78	506.20	
		<i>For Work In Restricted Working Space, Add</i>	252.93		
27 15 13 00-0197	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,030.30	523.75	
		<i>For Work In Restricted Working Space, Add</i>	261.88		
27 15 13 00-0198	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,113.73	541.30	
		<i>For Work In Restricted Working Space, Add</i>	270.82		
27 15 13 00-0199	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,224.42	578.14	
		<i>For Work In Restricted Working Space, Add</i>	288.98		
27 15 13 00-0200	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,343.32	612.36	
		<i>For Work In Restricted Working Space, Add</i>	306.35		
<b>27 15 13 00-0201</b>		<b>Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0001)</small>			
<b>27 15 13 00-0202</b>		<b>#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0201)</small>			
27 15 13 00-0203	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,767.07	1,519.49	
		<i>For Work In Restricted Working Space, Add</i>	759.57		
27 15 13 00-0204	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,057.12	1,573.89	
		<i>For Work In Restricted Working Space, Add</i>	786.94		
27 15 13 00-0205	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,319.00	1,628.28	
		<i>For Work In Restricted Working Space, Add</i>	814.31		
27 15 13 00-0206	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,593.37	1,684.42	
		<i>For Work In Restricted Working Space, Add</i>	842.21		
27 15 13 00-0207	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,949.99	1,796.72	
		<i>For Work In Restricted Working Space, Add</i>	898.01		
27 15 13 00-0208	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,289.06	1,909.01	
		<i>For Work In Restricted Working Space, Add</i>	954.33		
27 15 13 00-0209	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,728.58	2,137.11	
		<i>For Work In Restricted Working Space, Add</i>	1,068.56		
27 15 13 00-0210	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,249.20	2,816.15	
		<i>For Work In Restricted Working Space, Add</i>	1,408.07		
27 15 13 00-0211	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,267.67	4,160.18	
		<i>For Work In Restricted Working Space, Add</i>	2,080.26		

## 27 Communications

## 27 10 Structured Cabling

## 27 15 Communications Horizontal Cabling



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0212			<b>#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0201)</small>		
27 15 13 00-0213	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,468.78	1,356.31
		<i>For Work In Restricted Working Space, Add</i>	.....	678.51	
27 15 13 00-0214	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,724.56	1,405.45
		<i>For Work In Restricted Working Space, Add</i>	.....	702.72	
27 15 13 00-0215	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,955.54	1,454.57
		<i>For Work In Restricted Working Space, Add</i>	.....	726.94	
27 15 13 00-0216	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	3,199.49	1,503.70
		<i>For Work In Restricted Working Space, Add</i>	.....	752.20	
27 15 13 00-0217	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	3,516.43	1,603.71
		<i>For Work In Restricted Working Space, Add</i>	.....	802.21	
27 15 13 00-0218	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	3,818.11	1,705.48
		<i>For Work In Restricted Working Space, Add</i>	.....	852.74	
27 15 13 00-0219	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	4,012.44	1,807.24
		<i>For Work In Restricted Working Space, Add</i>	.....	903.27	
27 15 13 00-0220	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	4,274.94	1,909.01
		<i>For Work In Restricted Working Space, Add</i>	.....	954.33	
27 15 13 00-0221	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	4,658.84	2,030.08
		<i>For Work In Restricted Working Space, Add</i>	.....	1,014.81	
27 15 13 00-0222	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	5,560.77	2,514.35
		<i>For Work In Restricted Working Space, Add</i>	.....	1,257.26	
27 15 13 00-0223	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	8,246.83	3,714.51
		<i>For Work In Restricted Working Space, Add</i>	.....	1,857.60	
27 15 13 00-0224			<b>#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0201)</small>		
27 15 13 00-0225	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,162.57	1,193.13
		<i>For Work In Restricted Working Space, Add</i>	.....	596.92	
27 15 13 00-0226	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,371.58	1,237.00
		<i>For Work In Restricted Working Space, Add</i>	.....	618.50	
27 15 13 00-0227	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,515.04	1,280.87
		<i>For Work In Restricted Working Space, Add</i>	.....	640.08	
27 15 13 00-0228	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,694.26	1,322.97
		<i>For Work In Restricted Working Space, Add</i>	.....	661.66	
27 15 13 00-0229	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,938.77	1,412.46
		<i>For Work In Restricted Working Space, Add</i>	.....	706.41	
27 15 13 00-0230	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	3,181.51	1,501.94
		<i>For Work In Restricted Working Space, Add</i>	.....	750.62	
27 15 13 00-0231	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	3,728.36	1,679.16
		<i>For Work In Restricted Working Space, Add</i>	.....	839.58	
27 15 13 00-0232	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	4,867.56	2,212.56
		<i>For Work In Restricted Working Space, Add</i>	.....	1,106.45	
27 15 13 00-0233	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	6,736.16	3,268.83
		<i>For Work In Restricted Working Space, Add</i>	.....	1,634.41	
27 15 13 00-0234			<b>#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0201)</small>		
27 15 13 00-0235	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	1,931.00	1,086.10
		<i>For Work In Restricted Working Space, Add</i>	.....	542.70	
27 15 13 00-0236	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,081.90	1,124.71
		<i>For Work In Restricted Working Space, Add</i>	.....	562.18	
27 15 13 00-0237	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,422.50	1,280.87
		<i>For Work In Restricted Working Space, Add</i>	.....	640.08	
27 15 13 00-0238	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,618.67	1,346.49
		<i>For Work In Restricted Working Space, Add</i>	.....	673.24	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0239 MLF 5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,811.80 706.41	1,412.46
27 15 13 00-0240 MLF 6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,031.48 750.62	1,501.94
27 15 13 00-0241 MLF 8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,351.92 835.89	1,671.44
27 15 13 00-0242 MLF 12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	4,096.39 1,005.92	2,012.53
27 15 13 00-0243 MLF 24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	6,068.23 1,485.97	2,972.31
27 15 13 00-0244 MLF 25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	6,311.61 1,521.24	3,042.49
27 15 13 00-0245 MLF 36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	7,424.72 1,771.28	3,542.56
27 15 13 00-0246 MLF 40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	7,955.87 1,896.02	3,791.70
27 15 13 00-0247 MLF 50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	9,749.96 2,369.24	4,739.19
27 15 13 00-0248 MLF 100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	13,019.19 3,119.32	6,239.38
<b>27 15 13 00-0249 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0201)</small>		
27 15 13 00-0250 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,709.17 488.48	977.31
27 15 13 00-0251 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,796.87 505.85	1,012.41
27 15 13 00-0252 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,903.22 523.75	1,047.50
27 15 13 00-0253 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,016.48 541.65	1,082.59
27 15 13 00-0254 MLF 5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,187.70 577.97	1,156.29
27 15 13 00-0255 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,364.51 612.71	1,224.72
<b>27 15 13 00-0256 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench</b> <small>(27 15 13 00-0001)</small> Note: Excludes excavation.		
27 15 13 00-0257 MLF 1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	1,685.09	
27 15 13 00-0258 MLF 2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	2,119.31	
27 15 13 00-0259 MLF 3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	2,499.21	
27 15 13 00-0260 MLF 4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	2,901.79	
27 15 13 00-0261 MLF 5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	3,328.68	
27 15 13 00-0262 MLF 6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	3,716.81	
<b>27 15 13 00-0263 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)</b> <small>(27 15 13 00-0001)</small>		
27 15 13 00-0264 MLF 1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	1,772.06	490.89
27 15 13 00-0265 MLF 2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	2,256.90	525.92
27 15 13 00-0266 MLF 3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	2,963.25	664.87
27 15 13 00-0267 MLF 4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	3,598.05	769.01
27 15 13 00-0268 MLF 5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	5,970.42	876.51
27 15 13 00-0269 MLF 6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	7,193.90	1,119.79
<b>27 15 13 00-0270 Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0001)</small>		
27 15 13 00-0271 MLF 1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,337.67	678.15
27 15 13 00-0272 MLF 2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,658.74	702.72

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0273	MLF	3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,882.42	727.28	
27 15 13 00-0274	MLF	4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,997.67	751.85	
27 15 13 00-0275	MLF	5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,434.88	801.86	
27 15 13 00-0276	MLF	6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,640.11	852.74	
27 15 13 00-0277	MLF	8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,345.73	954.51	
27 15 13 00-0278	MLF	12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,130.04	1,257.18	
27 15 13 00-0279	MLF	24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,289.44	1,857.25	
27 15 13 00-0280	MLF	1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,151.57	596.56	
27 15 13 00-0281	MLF	2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,414.74	618.50	
27 15 13 00-0282	MLF	3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,631.10	640.43	
27 15 13 00-0283	MLF	4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,734.35	661.49	
27 15 13 00-0284	MLF	5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,107.26	706.23	
27 15 13 00-0285	MLF	6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,382.08	750.97	
27 15 13 00-0286	MLF	8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,693.66	839.58	
27 15 13 00-0287	MLF	12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,472.58	1,106.28	
27 15 13 00-0288	MLF	24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,596.78	1,634.42	
27 15 13 00-0289	MLF	1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,011.76	543.05	
27 15 13 00-0290	MLF	2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,176.83	562.35	
27 15 13 00-0291	MLF	3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,336.59	581.65	
27 15 13 00-0292	MLF	4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,434.72	601.83	
27 15 13 00-0293	MLF	5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,567.08	642.19	
27 15 13 00-0294	MLF	6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,718.01	682.54	
27 15 13 00-0295	MLF	8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,924.43	763.26	
27 15 13 00-0296	MLF	12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,671.13	1,006.27	
27 15 13 00-0297	MLF	24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,074.30	1,486.15	
27 15 13 00-0298	MLF	25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,313.27	1,521.25	
27 15 13 00-0299	MLF	36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,105.36	1,771.28	
27 15 13 00-0300	MLF	40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,503.99	1,895.86	
27 15 13 00-0301	MLF	50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,603.19	2,369.60	
27 15 13 00-0302	MLF	100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,955.19	3,119.69	
27 15 13 00-0303	MLF	250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	17,430.85	5,746.34	
27 15 13 00-0304	MLF	500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	26,677.78	7,604.47	
27 15 13 00-0305	MLF	750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	35,935.11	9,582.79	
27 15 13 00-0306	MLF	1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	50,732.77	13,144.64	
27 15 13 00-0307	MLF	1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	973.12	543.05	
27 15 13 00-0308	MLF	2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,090.40	562.35	
27 15 13 00-0309	MLF	3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,204.30	581.65	
27 15 13 00-0310	MLF	4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,279.07	601.83	
27 15 13 00-0311	MLF	5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,388.08	642.19	
27 15 13 00-0312	MLF	6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,508.65	682.54	
27 15 13 00-0313	MLF	8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,689.37	763.26	
27 15 13 00-0314	MLF	12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,312.76	1,006.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0315 MLF 24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,498.62	1,486.15
27 15 13 00-0316 MLF 25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,672.67	1,521.25
27 15 13 00-0317 MLF 36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,345.77	1,771.28
27 15 13 00-0318 MLF 40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,659.41	1,895.86
27 15 13 00-0319 MLF 50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,646.72	2,369.60
27 15 13 00-0320 MLF 100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,601.71	3,119.69
27 15 13 00-0321 MLF 250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	14,566.52	5,746.34
27 15 13 00-0322 MLF 500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	21,620.76	7,604.47
27 15 13 00-0323 MLF 750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	28,726.88	9,582.79
27 15 13 00-0324 MLF 1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	40,326.36	13,144.64
<b>27 15 13 00-0325 Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0001)</b>		
27 15 13 00-0326 MLF 1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,411.74	678.15
27 15 13 00-0327 MLF 2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,674.88	702.72
27 15 13 00-0328 MLF 3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,831.48	727.28
27 15 13 00-0329 MLF 4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,047.07	751.85
27 15 13 00-0330 MLF 5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,287.15	801.86
27 15 13 00-0331 MLF 6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,525.48	852.74
27 15 13 00-0332 MLF 8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,101.62	954.51
27 15 13 00-0333 MLF 12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,013.77	1,257.18
27 15 13 00-0334 MLF 24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,001.89	1,857.25
27 15 13 00-0335 MLF 1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,233.63	596.56
27 15 13 00-0336 MLF 2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,458.97	618.50
27 15 13 00-0337 MLF 3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,593.74	640.43
27 15 13 00-0338 MLF 4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,777.93	661.49
27 15 13 00-0339 MLF 5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,984.22	706.23
27 15 13 00-0340 MLF 6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,189.65	750.97
27 15 13 00-0341 MLF 8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,683.71	839.58
27 15 13 00-0342 MLF 12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,474.31	1,106.28
27 15 13 00-0343 MLF 24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,194.04	1,634.42
27 15 13 00-0344 MLF 1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,073.04	543.05
27 15 13 00-0345 MLF 2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,266.30	562.35
27 15 13 00-0346 MLF 3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,397.56	581.65
27 15 13 00-0347 MLF 4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,646.68	601.83
27 15 13 00-0348 MLF 5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,849.09	642.19
27 15 13 00-0349 MLF 6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,265.24	682.54
27 15 13 00-0350 MLF 8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,531.31	763.26
27 15 13 00-0351 MLF 12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,168.23	1,006.27
27 15 13 00-0352 MLF 24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,801.34	1,486.15
27 15 13 00-0353 MLF 25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,120.94	1,521.25
27 15 13 00-0354 MLF 36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,120.56	1,771.28
27 15 13 00-0355 MLF 40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,568.83	1,895.86

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0356 MLF 50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,809.08	2,369.60
27 15 13 00-0357 MLF 100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	10,661.66	3,119.69
27 15 13 00-0358 MLF 250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	21,042.74	5,746.34
27 15 13 00-0359 MLF 500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	33,054.42	7,604.47
27 15 13 00-0360 MLF 750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	45,023.33	9,582.79
27 15 13 00-0361 MLF 1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	63,853.51	13,143.76
27 15 13 00-0362 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,012.31	543.05
27 15 13 00-0363 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,147.63	562.35
27 15 13 00-0364 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,243.30	581.65
27 15 13 00-0365 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,414.66	601.83
27 15 13 00-0366 MLF 5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit.....	1,568.48	642.19
27 15 13 00-0367 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,858.71	682.54
27 15 13 00-0368 MLF 8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,077.59	763.26
27 15 13 00-0369 MLF 12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,630.74	1,006.27
27 15 13 00-0370 MLF 24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,963.69	1,486.15
27 15 13 00-0371 MLF 25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,189.31	1,521.25
27 15 13 00-0372 MLF 36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,978.89	1,771.28
27 15 13 00-0373 MLF 40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,340.57	1,895.86
27 15 13 00-0374 MLF 50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,418.11	2,369.60
27 15 13 00-0375 MLF 100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,693.29	3,119.69
27 15 13 00-0376 MLF 250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	16,876.78	5,746.34
27 15 13 00-0377 MLF 500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	25,699.72	7,604.47
27 15 13 00-0378 MLF 750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	34,540.72	9,582.79
27 15 13 00-0379 MLF 1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	48,720.26	13,144.64
<b>27 15 13 00-0380 Copper Telecommunications Cable</b> <small>(27 15 13)</small>		
<b>27 15 13 00-0381 Indoor Telecommunications Cable</b> <small>(27 15 13 00-0380)</small> Note: Shielded twisted pair cables (STP) includes a metallic foil wrap. Un-shielded twisted pair cables (UTP) excludes any shielding.		
<b>27 15 13 00-0382 Category 3, Indoor Telecommunications Cable</b> <small>(27 15 13 00-0381)</small> Note: Un-shielded twisted pair cables (UTP).		
<b>27 15 13 00-0383 Category 3, Indoor Telecommunications Riser Cable</b> <small>(27 15 13 00-0382)</small>		
<b>27 15 13 00-0384 24 AWG, Category 3, Indoor Telecommunications Riser Cable</b> <small>(27 15 13 00-0383)</small>		
<b>27 15 13 00-0385 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit</b> <small>(27 15 13 00-0384)</small>		
27 15 13 00-0386 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	775.80	403.38
27 15 13 00-0387 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	819.98	403.38
27 15 13 00-0388 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	835.59	403.38
27 15 13 00-0389 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,019.52	461.00
27 15 13 00-0390 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,344.70	461.00
27 15 13 00-0391 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,861.05	461.00
27 15 13 00-0392 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	3,029.38	576.25
27 15 13 00-0393 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	5,525.72	921.99
27 15 13 00-0394 MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	7,564.64	1,037.24
27 15 13 00-0395 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	10,139.11	1,152.50
27 15 13 00-0396 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	14,858.07	1,613.49
27 15 13 00-0397 MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	19,521.84	1,993.81
27 15 13 00-0398 MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	31,088.37	2,765.98
27 15 13 00-0399 MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	50,088.73	5,531.95
27 15 13 00-0400 MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	67,793.92	8,297.94
<b>27 15 13 00-0401 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed</b> <small>(27 15 13 00-0384)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0402 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,448.08 403.37	806.74
27 15 13 00-0403 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,492.26 403.37	806.74
27 15 13 00-0404 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,507.87 403.37	806.74
27 15 13 00-0405 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,595.77 403.37	806.74
27 15 13 00-0406 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,920.95 403.37	806.74
27 15 13 00-0407 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,629.39 461.00	921.99
27 15 13 00-0408 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,989.79 576.25	1,152.50
27 15 13 00-0409 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	6,294.04 691.49	1,382.99
27 15 13 00-0410 MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	8,429.01 777.93	1,555.86
27 15 13 00-0411 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	11,099.52 864.37	1,728.73
27 15 13 00-0412 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	16,202.65 1,210.12	2,420.23
27 15 13 00-0413 MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	21,192.95 1,498.24	2,996.48
27 15 13 00-0414 MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	33,393.36 2,074.49	4,148.96
27 15 13 00-0415 MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	54,698.69 4,148.97	8,297.94
27 15 13 00-0416 MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	74,708.88 6,223.46	12,446.90
<b>27 15 13 00-0417 22 AWG, Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0383)</b>		
<b>27 15 13 00-0418 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0417)</b>		
27 15 13 00-0419 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	3,147.12	461.00
27 15 13 00-0420 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	4,736.44	576.25
27 15 13 00-0421 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	8,707.86	921.99
27 15 13 00-0422 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	15,681.77	1,152.50
27 15 13 00-0423 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	23,100.85	1,613.49
27 15 13 00-0424 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	30,138.35	1,993.81
27 15 13 00-0425 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	44,769.33	2,765.98
<b>27 15 13 00-0426 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0417)</b>		
27 15 13 00-0427 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,915.46 461.00	921.99
27 15 13 00-0428 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	5,696.85 576.25	1,152.50
27 15 13 00-0429 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	9,476.18 691.49	1,382.99
27 15 13 00-0430 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	16,642.18 864.37	1,728.73
27 15 13 00-0431 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	24,445.43 1,210.12	2,420.23
27 15 13 00-0432 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	31,809.46 1,498.24	2,996.48
27 15 13 00-0433 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	47,074.32 2,074.49	4,148.96
<b>27 15 13 00-0434 Category 3, Indoor Telecommunications Plenum Cable (27 15 13 00-0382)</b>		
<b>27 15 13 00-0435 24 AWG, Category 3, Indoor Telecommunications Plenum Cable (27 15 13 00-0434)</b>		
<b>27 15 13 00-0436 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit (27 15 13 00-0435)</b>		
27 15 13 00-0437 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	811.53	403.38
27 15 13 00-0438 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	855.52	403.38
27 15 13 00-0439 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	888.43	403.38
27 15 13 00-0440 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,078.85	461.00
27 15 13 00-0441 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,433.33	461.00
27 15 13 00-0442 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	2,394.19	461.00
27 15 13 00-0443 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	4,114.84	576.25
27 15 13 00-0444 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	7,800.03	921.99
27 15 13 00-0445 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	13,703.09	1,152.50
27 15 13 00-0446 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	20,585.90	1,613.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 15 13 00-0447</b> <b>24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed</b> <small>(27 15 13 00-0435)</small>		
27 15 13 00-0448      MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,483.81	806.74
	<i>For Work In Restricted Working Space, Add</i>	
	403.37	
27 15 13 00-0449      MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,527.80	806.74
	<i>For Work In Restricted Working Space, Add</i>	
	403.37	
27 15 13 00-0450      MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,560.71	806.74
	<i>For Work In Restricted Working Space, Add</i>	
	403.37	
27 15 13 00-0451      MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,655.10	806.74
	<i>For Work In Restricted Working Space, Add</i>	
	403.37	
27 15 13 00-0452      MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,009.58	806.74
	<i>For Work In Restricted Working Space, Add</i>	
	403.37	
27 15 13 00-0453      MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	3,162.53	921.99
	<i>For Work In Restricted Working Space, Add</i>	
	461.00	
27 15 13 00-0454      MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	5,075.25	1,152.50
	<i>For Work In Restricted Working Space, Add</i>	
	576.25	
27 15 13 00-0455      MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	8,568.35	1,382.99
	<i>For Work In Restricted Working Space, Add</i>	
	691.49	
27 15 13 00-0456      MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	14,663.50	1,728.73
	<i>For Work In Restricted Working Space, Add</i>	
	864.37	
27 15 13 00-0457      MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	21,930.48	2,420.23
	<i>For Work In Restricted Working Space, Add</i>	
	1,210.12	
<b>27 15 13 00-0458</b> <b>Category 5E, Indoor Telecommunications Cable</b> <small>(27 15 13 00-0381)</small>		
<b>27 15 13 00-0459</b> <b>Category 5E, Indoor Telecommunications Riser Cable</b> <small>(27 15 13 00-0458)</small>		
<b>27 15 13 00-0460</b> <b>Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit</b> <small>(27 15 13 00-0459)</small>		
27 15 13 00-0461      MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	914.86	403.38
27 15 13 00-0462      MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	971.68	403.38
27 15 13 00-0463      MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,068.79	461.00
27 15 13 00-0464      MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,125.60	461.00
<b>27 15 13 00-0465</b> <b>Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed</b> <small>(27 15 13 00-0459)</small>		
27 15 13 00-0466      MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,587.14	806.74
	<i>For Work In Restricted Working Space, Add</i>	
	403.37	
27 15 13 00-0467      MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,643.96	806.74
	<i>For Work In Restricted Working Space, Add</i>	
	403.37	
27 15 13 00-0468      MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,837.13	921.99
	<i>For Work In Restricted Working Space, Add</i>	
	461.00	
27 15 13 00-0469      MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,893.94	921.99
	<i>For Work In Restricted Working Space, Add</i>	
	461.00	
<b>27 15 13 00-0470</b> <b>Category 5E, Indoor Telecommunications Plenum Cable</b> <small>(27 15 13 00-0458)</small>		
<b>27 15 13 00-0471</b> <b>Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit</b> <small>(27 15 13 00-0470)</small>		
27 15 13 00-0472      MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,123.80	403.38
27 15 13 00-0473      MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,663.78	461.00
<b>27 15 13 00-0474</b> <b>Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed</b> <small>(27 15 13 00-0470)</small>		
27 15 13 00-0475      MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,796.08	806.74
	<i>For Work In Restricted Working Space, Add</i>	
	403.37	
27 15 13 00-0476      MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,432.12	921.99
	<i>For Work In Restricted Working Space, Add</i>	
	461.00	
<b>27 15 13 00-0477</b> <b>Category 6, Indoor Telecommunications Cable</b> <small>(27 15 13 00-0381)</small>		
<b>27 15 13 00-0478</b> <b>Category 6, Indoor Telecommunications Riser Cable</b> <small>(27 15 13 00-0477)</small>		
<b>27 15 13 00-0479</b> <b>Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit</b> <small>(27 15 13 00-0478)</small>		
27 15 13 00-0480      MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,374.74	403.38
27 15 13 00-0481      MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,453.28	403.38
<b>27 15 13 00-0482</b> <b>Category 6, Indoor Telecommunications Riser Cable, Installed Exposed</b> <small>(27 15 13 00-0478)</small>		
27 15 13 00-0483      MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,047.02	806.74
	<i>For Work In Restricted Working Space, Add</i>	
	403.37	
27 15 13 00-0484      MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,125.56	806.74
	<i>For Work In Restricted Working Space, Add</i>	
	403.37	
<b>27 15 13 00-0485</b> <b>Category 6, Indoor Telecommunications Plenum Cable</b> <small>(27 15 13 00-0477)</small>		



<b>Communications</b>	<b>27</b>	
<b>Structured Cabling</b>	<b>27 10</b>	<b>27</b>
<b>Communications Horizontal Cabling</b>	<b>27 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0486 <b>Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit</b> <small>(27 15 13 00-0485)</small>		
27 15 13 00-0487 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	2,101.43	403.38
27 15 13 00-0488 <b>Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed</b> <sup>(27</sup> <small>15 13 00-0485)</small>		
27 15 13 00-0489 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,773.71 403.37	806.74
27 15 13 00-0490 <b>Category 6a, Indoor Telecommunications Cable</b> <sup>(27 15 13 00-0381)</sup>		
27 15 13 00-0491 <b>Category 6a, Indoor Telecommunications Riser Cable</b> <sup>(27 15 13 00-0490)</sup>		
27 15 13 00-0492 <b>Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit</b> <sup>(27</sup> <small>15 13 00-0491)</small>		
27 15 13 00-0493 MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,500.23	403.38
27 15 13 00-0494 <b>Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed</b> <sup>(27</sup> <small>15 13 00-0491)</small>		
27 15 13 00-0495 MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed Exposed .....	2,172.51 403.37	806.74
27 15 13 00-0496 <b>Category 6a, Indoor Telecommunications Plenum Cable</b> <sup>(27 15 13 00-0490)</sup>		
27 15 13 00-0497 <b>Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit</b> <sup>(27 15 13 00-0496)</sup>		
27 15 13 00-0498 MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	2,472.87	403.38
27 15 13 00-0499 <b>Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed</b> <small>(27 15 13 00-0496)</small>		
27 15 13 00-0500 MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed Exposed .....	3,145.15 403.37	806.74
27 15 13 00-0501 <b>Category 7, Indoor Telecommunications Cable</b> <sup>(27 15 13 00-0381)</sup>		
27 15 13 00-0502 <b>Category 7, Indoor Telecommunications Cable, Installed In Conduit</b> <sup>(27 15 13 00- 0501)</sup>		
27 15 13 00-0503 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit .....	3,960.08	461.00
27 15 13 00-0504 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	8,559.59	461.00
27 15 13 00-0505 <b>Category 7, Indoor Telecommunications Cable, Installed Exposed</b> <sup>(27 15 13 00-0501)</sup>		
27 15 13 00-0506 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	4,728.42 461.00	921.99
27 15 13 00-0507 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,327.93 461.00	921.99
27 15 13 00-0508 <b>Outdoor Telecommunications Cable</b> <sup>(27 15 13 00-0380)</sup> Note: Cable buried in trench excludes excavation.		
27 15 13 00-0509 <b>PE-89 Outdoor Telecommunications Cable</b> <sup>(27 15 13 00-0508)</sup> Note: Includes foam-skin polyolefin insulated conductors.		
27 15 13 00-0510 <b>24 AWG, PE-89 Outdoor Telecommunications Cable</b> <sup>(27 15 13 00-0509)</sup>		
27 15 13 00-0511 <b>24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit</b> <sup>(27</sup> <small>15 13 00-0510)</small>		
27 15 13 00-0512 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	1,419.30	461.00
27 15 13 00-0513 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	1,694.64	806.74
27 15 13 00-0514 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	2,383.83	518.62
27 15 13 00-0515 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	3,609.84	576.25
27 15 13 00-0516 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	5,117.12	806.74
27 15 13 00-0517 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	6,434.94	921.99
27 15 13 00-0518 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	11,023.54	1,037.24
27 15 13 00-0519 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	16,203.76	1,498.24
27 15 13 00-0520 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	21,469.53	1,959.24
27 15 13 00-0521 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	29,157.25	2,650.72
27 15 13 00-0522 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	46,098.97	5,301.46
27 15 13 00-0523 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	63,036.87	7,836.94
27 15 13 00-0524 <b>24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench</b> <sup>(27 15 13 00-0510)</sup>		
27 15 13 00-0525 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	1,275.24	
27 15 13 00-0526 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	1,550.58	
27 15 13 00-0527 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	2,191.75	
27 15 13 00-0528 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	3,417.75	
27 15 13 00-0529 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	4,829.00	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0530	MLF		100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	5,954.73	
27 15 13 00-0531	MLF		200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	10,831.47	
27 15 13 00-0532	MLF		300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	15,627.51	
27 15 13 00-0533	MLF		400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	20,269.02	
27 15 13 00-0534	MLF		600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	27,044.35	
27 15 13 00-0535	MLF		900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	40,336.51	
27 15 13 00-0536	MLF		1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	54,585.26	
<b>27 15 13 00-0537</b>			<b>22 AWG, PE-89 Outdoor Telecommunications Cable (27 15 13 00-0509)</b>		
<b>27 15 13 00-0538</b>			<b>22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0537)</b>		
27 15 13 00-0539	MLF		6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	1,594.34	461.00
27 15 13 00-0540	MLF		12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,021.67	461.00
27 15 13 00-0541	MLF		25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	3,053.24	518.62
27 15 13 00-0542	MLF		50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	4,801.32	576.25
27 15 13 00-0543	MLF		75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	6,979.07	806.74
27 15 13 00-0544	MLF		100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	8,966.22	921.99
27 15 13 00-0545	MLF		200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	15,906.74	1,037.24
27 15 13 00-0546	MLF		300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	23,168.18	1,498.24
27 15 13 00-0547	MLF		400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	30,858.17	1,959.24
27 15 13 00-0548	MLF		600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	45,552.78	2,650.72
27 15 13 00-0549	MLF		900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	66,805.16	5,301.46
27 15 13 00-0550	MLF		1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	94,015.23	7,836.94
<b>27 15 13 00-0551</b>			<b>22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0537)</b>		
27 15 13 00-0552	MLF		6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,450.28	
27 15 13 00-0553	MLF		12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,877.61	
27 15 13 00-0554	MLF		25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,861.16	
27 15 13 00-0555	MLF		50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,609.23	
27 15 13 00-0556	MLF		75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	6,690.95	
27 15 13 00-0557	MLF		100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	8,678.09	
27 15 13 00-0558	MLF		200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	15,714.67	
27 15 13 00-0559	MLF		300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	22,591.93	
27 15 13 00-0560	MLF		400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	29,657.66	
27 15 13 00-0561	MLF		600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	43,439.88	
27 15 13 00-0562	MLF		900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	61,042.70	
27 15 13 00-0563	MLF		1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	85,563.62	
<b>27 15 13 00-0564</b>			<b>19 AWG, PE-89 Outdoor Telecommunications Cable (27 15 13 00-0509)</b>		
<b>27 15 13 00-0565</b>			<b>19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0564)</b>		
27 15 13 00-0566	MLF		25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	5,116.91	518.62
27 15 13 00-0567	MLF		50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	8,835.12	576.25
27 15 13 00-0568	MLF		75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	14,154.47	806.74
27 15 13 00-0569	MLF		100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	16,956.02	921.99
<b>27 15 13 00-0570</b>			<b>19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0564)</b>		
27 15 13 00-0571	MLF		25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,924.83	
27 15 13 00-0572	MLF		50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	8,643.03	
27 15 13 00-0573	MLF		75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	13,866.35	
27 15 13 00-0574	MLF		100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	16,667.89	
<b>27 15 13 00-0575</b>			<b>PE-39 Outdoor Telecommunications Cable (27 15 13 00-0508)</b>		
			Note: Includes solid polyolefin insulated conductors.		
<b>27 15 13 00-0576</b>			<b>24 AWG, PE-39 Outdoor Telecommunications Cable (27 15 13 00-0575)</b>		
<b>27 15 13 00-0577</b>			<b>24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0576)</b>		
27 15 13 00-0578	MLF		6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,020.16	806.74
27 15 13 00-0579	MLF		12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,357.01	806.74
27 15 13 00-0580	MLF		25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	3,036.60	806.74
27 15 13 00-0581	MLF		50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	4,260.40	806.74
27 15 13 00-0582	MLF		100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	6,742.46	806.74
27 15 13 00-0583	MLF		200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	12,166.13	1,037.24
27 15 13 00-0584	MLF		300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	17,762.30	1,498.24
27 15 13 00-0585	MLF		400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	23,368.59	1,959.24
27 15 13 00-0586	MLF		600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	31,930.03	2,650.72
27 15 13 00-0587	MLF		900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	49,684.86	5,301.46
27 15 13 00-0588	MLF		1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	72,337.21	7,836.94
<b>27 15 13 00-0589</b>			<b>24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0578)</b>		
27 15 13 00-0590	MLF		6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,732.04	
27 15 13 00-0591	MLF		12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,068.89	





<b>Communications</b>	<b>27</b>	
<b>Structured Cabling</b>	<b>27 10</b>	<b>27</b>
<b>Communications Horizontal Cabling</b>	<b>27 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0592 MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	2,748.48	
27 15 13 00-0593 MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	3,972.28	
27 15 13 00-0594 MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	6,454.34	
27 15 13 00-0595 MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	11,974.06	
27 15 13 00-0596 MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	17,186.05	
27 15 13 00-0597 MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	22,168.08	
27 15 13 00-0598 MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	29,817.13	
27 15 13 00-0599 MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	43,922.40	
27 15 13 00-0600 MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	63,885.60	
<b>27 15 13 00-0601 22 AWG, PE-39 Outdoor Telecommunications Cable (27 15 13 00-0575)</b>		
<b>27 15 13 00-0602 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0601)</b>		
27 15 13 00-0603 MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	2,214.90	806.74
27 15 13 00-0604 MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	2,709.89	806.74
27 15 13 00-0605 MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	3,763.26	806.74
27 15 13 00-0606 MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	5,701.08	806.74
27 15 13 00-0607 MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	9,745.06	806.74
27 15 13 00-0608 MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	17,944.56	1,037.24
27 15 13 00-0609 MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	26,291.99	1,498.24
27 15 13 00-0610 MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	33,685.08	1,959.24
27 15 13 00-0611 MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	47,046.06	2,650.72
27 15 13 00-0612 MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	74,161.21	5,301.46
<b>27 15 13 00-0613 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0601)</b>		
27 15 13 00-0614 MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	1,926.78	
27 15 13 00-0615 MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	2,421.77	
27 15 13 00-0616 MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	3,475.14	
27 15 13 00-0617 MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	5,412.96	
27 15 13 00-0618 MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	9,456.94	
27 15 13 00-0619 MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	17,752.49	
27 15 13 00-0620 MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	25,715.74	
27 15 13 00-0621 MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	32,484.57	
27 15 13 00-0622 MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	44,933.16	
27 15 13 00-0623 MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	68,398.75	
<b>27 15 13 00-0624 19 AWG, PE-39 Outdoor Telecommunications Cable (27 15 13 00-0575)</b>		
<b>27 15 13 00-0625 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0624)</b>		
27 15 13 00-0626 MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	6,096.71	806.74
27 15 13 00-0627 MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	10,026.87	806.74
27 15 13 00-0628 MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	18,176.62	806.74
<b>27 15 13 00-0629 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0624)</b>		
27 15 13 00-0630 MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	5,808.59	
27 15 13 00-0631 MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	9,738.75	
27 15 13 00-0632 MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	17,888.50	
<b>27 15 13 00-0633 (Aerial) Outdoor Telecommunications Cable (27 15 13 00-0508)</b>		
Note: Includes support wire.		
<b>27 15 13 00-0634 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 15 13 00-0633)</b>		
27 15 13 00-0635 MLF 6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	6,119.27	1,682.95
27 15 13 00-0636 MLF 12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	6,399.55	1,682.95
27 15 13 00-0637 MLF 25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	7,095.43	1,682.95
27 15 13 00-0638 MLF 50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	8,383.83	1,682.95
27 15 13 00-0639 MLF 100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	10,872.35	1,682.95
27 15 13 00-0640 MLF 200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	16,219.77	1,851.24
27 15 13 00-0641 MLF 300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	21,597.98	2,019.55
<b>27 15 13 00-0642 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 15 13 00-0633)</b>		
27 15 13 00-0643 MLF 6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	6,454.59	1,682.95
27 15 13 00-0644 MLF 12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	6,868.69	1,682.95
27 15 13 00-0645 MLF 25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	7,866.08	1,682.95
27 15 13 00-0646 MLF 50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	9,836.51	1,682.95
27 15 13 00-0647 MLF 100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	14,282.57	1,682.95
27 15 13 00-0648 MLF 200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	22,263.43	1,851.24
<b>27 15 13 00-0649 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 15 13 00-0633)</b>		
27 15 13 00-0650 MLF 6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	6,897.92	1,682.95
27 15 13 00-0651 MLF 12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	7,834.38	1,682.95

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0652 MLF 25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	9,675.61	1,682.95
27 15 13 00-0653 MLF 50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	13,358.09	1,682.95
27 15 13 00-0654 MLF 100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	20,867.03	1,682.95
<b>27 15 13 00-0655 Category 5E, Outdoor Telecommunications Cable (27 15 13 00-0508)</b>		
<b>27 15 13 00-0656 Category 5E, Outdoor Telecommunications Cable (27 15 13 00-0655)</b>		
<b>27 15 13 00-0657 Category 5E, Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0656)</b>		
27 15 13 00-0658 MLF 4-Pair 24 AWG, Ultra II Enhanced Category 5E, Flooded Outdoor Telecommunications Cable, Installed In Conduit.....	1,919.45	921.99
<b>27 15 13 00-0659 Category 5E, Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0656)</b>		
27 15 13 00-0660 MLF 4-Pair 24 AWG, Ultra II Enhanced Category 5E, Flooded Outdoor Telecommunications Cable, Buried In Trench.....	1,631.33	
<b>27 15 13 00-0661 Category 6, Outdoor Telecommunications Cable (27 15 13 00-0508)</b>		
<b>27 15 13 00-0662 Category 6, Outdoor Telecommunications Cable (27 15 13 00-0661)</b>		
<b>27 15 13 00-0663 Category 6, Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0662)</b>		
27 15 13 00-0664 MLF 4-Pair 24 AWG, UltraMedia Category 6, Flooded Outdoor Telecommunications Cable, Installed In Conduit.....	2,210.02	921.99
<b>27 15 13 00-0665 Category 6, Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0662)</b>		
27 15 13 00-0666 MLF 4-Pair 24 AWG, UltraMedia Category 6, Flooded Outdoor Telecommunications Cable, Buried In Trench.....	1,921.90	
<b>27 15 13 00-0667 Sound System Cables (27 15 13)</b>		
Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
<b>27 15 13 00-0668 Speaker/Communications And Control Cable, Installed Exposed (27 15 13 00-0667)</b>		
<b>27 15 13 00-0669 Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed (27 15 13 00-0668)</b>		
27 15 13 00-0670 MLF 2 Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,548.69	614.11
For Work In Restricted Working Space, Add	368.47	
27 15 13 00-0671 MLF 2 Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,440.60	614.11
For Work In Restricted Working Space, Add	368.47	
27 15 13 00-0672 MLF 2 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,357.23	614.11
For Work In Restricted Working Space, Add	368.47	
27 15 13 00-0673 MLF 4 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,448.40	614.11
For Work In Restricted Working Space, Add	368.47	
27 15 13 00-0674 MLF 4 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,741.44	614.11
For Work In Restricted Working Space, Add	368.47	
27 15 13 00-0675 MLF 6 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,033.50	614.11
For Work In Restricted Working Space, Add	368.47	
27 15 13 00-0676 MLF 4 Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,742.67	614.11
For Work In Restricted Working Space, Add	368.47	
27 15 13 00-0677 MLF 4 Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,601.96	614.11
For Work In Restricted Working Space, Add	368.47	
<b>27 15 13 00-0678 Plenum Rated Speaker/Communications And Control Cable, Installed Exposed (27 15 13 00-0668)</b>		
27 15 13 00-0679 MLF 2 Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,593.35	614.11
For Work In Restricted Working Space, Add	368.47	
27 15 13 00-0680 MLF 2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,469.01	614.11
For Work In Restricted Working Space, Add	368.47	
27 15 13 00-0681 MLF 2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,398.63	614.11
For Work In Restricted Working Space, Add	368.47	
27 15 13 00-0682 MLF 4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,516.06	614.11
For Work In Restricted Working Space, Add	368.47	
27 15 13 00-0683 MLF 8 Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,764.17	614.11
For Work In Restricted Working Space, Add	368.47	
27 15 13 00-0684 MLF 2 Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,736.80	614.11
For Work In Restricted Working Space, Add	368.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0685 MLF 2 Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,564.81	614.11
<i>For Work In Restricted Working Space, Add</i> .....	368.47	
27 15 13 00-0686 MLF 4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,857.16	614.11
<i>For Work In Restricted Working Space, Add</i> .....	368.47	
27 15 13 00-0687 MLF 6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,148.71	614.11
<i>For Work In Restricted Working Space, Add</i> .....	368.47	
27 15 13 00-0688 MLF 2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,433.92	614.11
<i>For Work In Restricted Working Space, Add</i> .....	368.47	
27 15 13 00-0689 MLF 2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,492.01	614.11
<i>For Work In Restricted Working Space, Add</i> .....	368.47	
<b>27 15 13 00-0690 Speaker/Communications And Control Cable, Installed In Conduit</b> <small>(27 15 13 00-0687)</small>		
<b>27 15 13 00-0691 Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit</b> <small>(27 15 13 00-0690)</small>		
27 15 13 00-0692 MLF 2 Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit .....	934.57	307.05
27 15 13 00-0693 MLF 2 Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit .....	826.48	307.05
27 15 13 00-0694 MLF 2 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit .....	743.11	307.05
27 15 13 00-0695 MLF 4 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit .....	834.28	307.05
27 15 13 00-0696 MLF 4 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit .....	1,127.32	307.05
27 15 13 00-0697 MLF 6 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit .....	1,419.38	307.05
27 15 13 00-0698 MLF 4 Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit .....	1,128.55	307.05
27 15 13 00-0699 MLF 4 Conductors (2 Shielded, 2 Unshielded), #22 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit .....	987.84	307.05
<b>27 15 13 00-0700 Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit</b> <small>(27 15 13 00-0690)</small>		
27 15 13 00-0701 MLF 2 Conductor, #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit .....	979.23	307.05
27 15 13 00-0702 MLF 2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit .....	854.89	307.05
27 15 13 00-0703 MLF 2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit .....	784.51	307.05
27 15 13 00-0704 MLF 4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit .....	901.94	307.05
27 15 13 00-0705 MLF 8 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit .....	1,150.05	307.05
27 15 13 00-0706 MLF 2 Conductor, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit .....	1,122.68	307.05
27 15 13 00-0707 MLF 2 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit .....	950.69	307.05
27 15 13 00-0708 MLF 4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit .....	1,243.04	307.05
27 15 13 00-0709 MLF 6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit .....	1,534.59	307.05
27 15 13 00-0710 MLF 2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit .....	877.89	307.05
27 15 13 00-0711 MLF 2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit .....	819.80	307.05
<b>27 15 23 Communications Optical Fiber Horizontal Cabling</b> <small>(27 15)</small>		
<small>Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.</small>		
27 15 23 00-0001 <b>Indoor Fiber Optic Cable</b> <small>(27 15 23)</small>		
<small>Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.</small>		
27 15 23 00-0002 <b>Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0001)</small>		
<small>Note: Excludes conduit or innerduct.</small>		
27 15 23 00-0003 <b>Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0002)</small>		
27 15 23 00-0004 <b>Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0003)</small>		
27 15 23 00-0005 <b>Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0004)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0006 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	889.39	345.74
27 15 23 00-0007 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	983.76	345.74
27 15 23 00-0008 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,015.27	345.74
27 15 23 00-0009 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,127.49	345.74
<i>For Aluminum Armored Cable, Add</i>	1,228.66	
<i>For Steel Armored Cable, Add</i>	3,123.02	
27 15 23 00-0010 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,159.66	345.74
27 15 23 00-0011 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,354.14	345.74
<i>For Aluminum Armored Cable, Add</i>	1,350.79	
<i>For Steel Armored Cable, Add</i>	3,412.91	
27 15 23 00-0012 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,391.49	403.38
27 15 23 00-0013 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,430.35	403.38
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,782.88	
<i>For Steel Armored Cable, Add</i>	5,773.15	
27 15 23 00-0014 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,219.90	403.38
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,879.49	
<i>For Steel Armored Cable, Add</i>	5,970.79	
27 15 23 00-0015 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,373.03	403.38
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,971.96	
<i>For Steel Armored Cable, Add</i>	6,243.21	
27 15 23 00-0016 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,338.69	403.38
27 15 23 00-0017 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,595.49	403.38
27 15 23 00-0018 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,946.26	403.38
27 15 23 00-0019 MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,364.32	461.00
27 15 23 00-0020 MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,206.32	461.00
<b>27 15 23 00-0021 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0004)</small>		
27 15 23 00-0022 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	916.57	345.74
27 15 23 00-0023 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,086.49	345.74
27 15 23 00-0024 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,389.45	345.74
27 15 23 00-0025 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,708.35	345.74
<i>For Aluminum Armored Cable, Add</i>	795.86	
<i>For Steel Armored Cable, Add</i>	1,090.93	
27 15 23 00-0026 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,011.30	345.74
27 15 23 00-0027 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,633.15	345.74
<i>For Aluminum Armored Cable, Add</i>	669.26	
<i>For Steel Armored Cable, Add</i>	1,053.72	
27 15 23 00-0028 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,888.65	403.38
27 15 23 00-0029 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,136.89	403.38
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,024.86	
<i>For Steel Armored Cable, Add</i>	1,024.86	
27 15 23 00-0030 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,369.19	403.38
27 15 23 00-0031 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,601.49	403.38
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,828.89	
27 15 23 00-0032 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,833.79	403.38
27 15 23 00-0033 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,066.09	403.38
27 15 23 00-0034 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,546.63	403.38
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	7,876.83	
27 15 23 00-0035 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	23,107.26	461.00
27 15 23 00-0036 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	27,571.86	461.00
<b>27 15 23 00-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0004)</small>		
27 15 23 00-0038 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	933.58	345.74
27 15 23 00-0039 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,112.00	345.74
27 15 23 00-0040 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,430.10	345.74
27 15 23 00-0041 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,764.95	345.74
27 15 23 00-0042 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,083.05	345.74
27 15 23 00-0043 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,736.00	345.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0044 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,999.46	403.38
27 15 23 00-0045 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,360.12	403.38
27 15 23 00-0046 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,704.03	403.38
27 15 23 00-0047 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	10,047.95	403.38
27 15 23 00-0048 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	12,391.87	403.38
27 15 23 00-0049 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	14,735.78	403.38
27 15 23 00-0050 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	19,440.35	403.38
27 15 23 00-0051 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	24,224.21	461.00
27 15 23 00-0052 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	28,912.04	461.00
<b>27 15 23 00-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0003)</small>		
<b>27 15 23 00-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0053)</small>		
27 15 23 00-0055 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,764.06	345.74
27 15 23 00-0056 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,116.01	345.74
27 15 23 00-0057 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,890.31	345.74
27 15 23 00-0058 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,259.82	345.74
27 15 23 00-0059 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,777.24	345.74
27 15 23 00-0060 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	6,083.47	403.38
27 15 23 00-0061 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,705.37	403.38
27 15 23 00-0062 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	10,922.73	403.38
27 15 23 00-0063 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	13,430.36	403.38
<b>27 15 23 00-0064 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0053)</small>		
27 15 23 00-0065 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,303.56	345.74
27 15 23 00-0066 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,848.17	345.74
27 15 23 00-0067 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,746.12	345.74
27 15 23 00-0068 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,080.71	345.74
27 15 23 00-0069 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,634.93	345.74
27 15 23 00-0070 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,570.10	403.38
27 15 23 00-0071 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	9,570.21	403.38
27 15 23 00-0072 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	10,937.68	403.38
27 15 23 00-0073 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	16,808.63	403.38
<b>27 15 23 00-0074 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0053)</small>		
27 15 23 00-0075 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,389.92	345.74
27 15 23 00-0076 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,961.77	345.74
27 15 23 00-0077 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,904.61	345.74
27 15 23 00-0078 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,305.94	345.74
27 15 23 00-0079 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,887.86	345.74
27 15 23 00-0080 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,914.99	403.38
27 15 23 00-0081 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	10,015.10	403.38
27 15 23 00-0082 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	11,450.95	403.38
27 15 23 00-0083 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	17,615.45	403.38
<b>27 15 23 00-0084 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0002)</small>		
<b>27 15 23 00-0085 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0084)</small>		

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0086			<b>Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0085)</small>		
27 15 23 00-0087	MLF		1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	944.65	345.74
27 15 23 00-0088	MLF		2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	950.21	345.74
27 15 23 00-0089	MLF		4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,242.06	345.74
27 15 23 00-0090	MLF		6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,276.21	345.74
			<i>For Aluminum Armored Cable, Add</i>	875.86	
			<i>For Steel Armored Cable, Add</i>	5,287.11	
27 15 23 00-0091	MLF		8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,448.12	345.74
27 15 23 00-0092	MLF		12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,480.29	345.74
			<i>For Aluminum Armored Cable, Add</i>	891.26	
			<i>For Steel Armored Cable, Add</i>	5,651.38	
27 15 23 00-0093	MLF		18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,619.49	403.38
27 15 23 00-0094	MLF		24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,724.69	403.38
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,102.58	
			<i>For Steel Armored Cable, Add</i>	5,452.20	
27 15 23 00-0095	MLF		36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,650.03	403.38
27 15 23 00-0096	MLF		48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,856.09	403.38
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,690.49	
			<i>For Steel Armored Cable, Add</i>	6,490.98	
27 15 23 00-0097	MLF		60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	9,533.05	403.38
27 15 23 00-0098	MLF		72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	11,323.51	403.38
27 15 23 00-0099	MLF		96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	15,044.44	403.38
27 15 23 00-0100			<b>50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0085)</small>		
27 15 23 00-0101	MLF		1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	914.74	345.74
27 15 23 00-0102	MLF		2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,350.10	345.74
27 15 23 00-0103	MLF		4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,824.16	345.74
27 15 23 00-0104	MLF		6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,307.73	345.74
			<i>For Aluminum Armored Cable, Add</i>	199.28	
			<i>For Steel Armored Cable, Add</i>	559.61	
27 15 23 00-0105	MLF		8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,771.08	345.74
27 15 23 00-0106	MLF		12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,173.66	345.74
			<i>For Aluminum Armored Cable, Add</i>	104.19	
			<i>For Steel Armored Cable, Add</i>	513.21	
27 15 23 00-0107	MLF		18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,062.08	403.38
27 15 23 00-0108	MLF		24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,500.65	403.38
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	2,028.51	
			<i>For Steel Armored Cable, Add</i>	4,731.08	
27 15 23 00-0109	MLF		36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	10,914.83	403.38
27 15 23 00-0110	MLF		48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	14,329.01	403.38
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	6,023.59	
27 15 23 00-0111	MLF		60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	17,743.19	403.38
27 15 23 00-0112	MLF		72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	21,157.37	403.38
27 15 23 00-0113	MLF		96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	28,010.12	403.38
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	12,047.18	
27 15 23 00-0114			<b>62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0085)</small>		
27 15 23 00-0115	MLF		1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	931.66	345.74
27 15 23 00-0116	MLF		2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,388.79	345.74
27 15 23 00-0117	MLF		4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,886.55	345.74
27 15 23 00-0118	MLF		6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,394.30	345.74
27 15 23 00-0119	MLF		8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,880.82	345.74
27 15 23 00-0120	MLF		12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,303.53	345.74
27 15 23 00-0121	MLF		18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,231.57	403.38
27 15 23 00-0122	MLF		24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,842.07	403.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0123 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,426.96	403.38
27 15 23 00-0124 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,011.85	403.38
27 15 23 00-0125 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,596.73	403.38
27 15 23 00-0126 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	22,181.62	403.38
27 15 23 00-0127 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	29,377.01	403.38
<b>27 15 23 00-0128 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0084)</b>		
<b>27 15 23 00-0129 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0128)</b>		
27 15 23 00-0130 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,840.42	345.74
27 15 23 00-0131 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,268.64	345.74
27 15 23 00-0132 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,298.08	345.74
27 15 23 00-0133 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,306.97	345.74
27 15 23 00-0134 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,917.14	345.74
27 15 23 00-0135 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,893.28	403.38
27 15 23 00-0136 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,327.26	403.38
27 15 23 00-0137 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	17,360.44	403.38
27 15 23 00-0138 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	21,695.26	403.38
<b>27 15 23 00-0139 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0128)</b>		
27 15 23 00-0140 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,950.52	345.74
27 15 23 00-0141 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,227.94	345.74
27 15 23 00-0142 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,508.07	345.74
27 15 23 00-0143 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,670.16	345.74
27 15 23 00-0144 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,472.92	345.74
27 15 23 00-0145 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,743.46	403.38
27 15 23 00-0146 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,531.89	403.38
27 15 23 00-0147 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	20,467.93	403.38
27 15 23 00-0148 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	32,863.13	403.38
<b>27 15 23 00-0149 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0128)</b>		
27 15 23 00-0150 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,169.24	345.74
27 15 23 00-0151 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,510.52	345.74
27 15 23 00-0152 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,904.66	345.74
27 15 23 00-0153 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,124.86	345.74
27 15 23 00-0154 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,017.76	345.74
27 15 23 00-0155 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	16,497.01	403.38
27 15 23 00-0156 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	19,424.87	403.38
27 15 23 00-0157 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	21,457.71	403.38
27 15 23 00-0158 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	34,472.67	403.38
<b>27 15 23 00-0159 Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0001)</b> Note: For non-conduit installations such as cable trays, surface runways, etc.		
<b>27 15 23 00-0160 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0159)</b>		
<b>27 15 23 00-0161 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0160)</b>		
<b>27 15 23 00-0162 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0161)</b>		

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0163 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,081.46	461.00
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0164 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,175.83	461.00
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0165 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,207.34	461.00
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0166 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,319.56	461.00
<i>For Aluminum Armored Cable, Add</i>	1,228.66	
<i>For Steel Armored Cable, Add</i>	3,123.02	
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0167 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,351.73	461.00
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0168 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,546.21	461.00
<i>For Aluminum Armored Cable, Add</i>	1,350.79	
<i>For Steel Armored Cable, Add</i>	3,412.91	
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0169 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,583.57	518.62
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0170 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,622.43	518.62
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,782.88	
<i>For Steel Armored Cable, Add</i>	5,773.15	
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0171 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	4,411.98	518.62
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,879.49	
<i>For Steel Armored Cable, Add</i>	5,970.79	
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0172 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	4,565.11	518.62
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,971.96	
<i>For Steel Armored Cable, Add</i>	6,243.21	
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0173 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	5,530.77	518.62
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0174 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	5,787.57	518.62
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0175 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	7,138.34	518.62
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0176 MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	9,556.41	576.25
<i>For Work In Restricted Working Space, Add</i>	288.12	
27 15 23 00-0177 MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	11,398.41	576.25
<i>For Work In Restricted Working Space, Add</i>	288.12	
<b>27 15 23 00-0178 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0161)</small>		
27 15 23 00-0179 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,108.64	461.00
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0180 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,278.56	461.00
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0181 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,581.52	461.00
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0182 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,900.42	461.00
<i>For Aluminum Armored Cable, Add</i>	795.86	
<i>For Steel Armored Cable, Add</i>	1,090.93	
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0183 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,203.37	461.00
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0184 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,825.22	461.00
<i>For Aluminum Armored Cable, Add</i>	669.26	
<i>For Steel Armored Cable, Add</i>	1,053.72	
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0185 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,080.73	518.62
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0186 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	5,328.97	518.62
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,024.86	
<i>For Steel Armored Cable, Add</i>	1,024.86	
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0187 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	7,561.27	518.62
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0188 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	9,793.57	518.62
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,828.89	
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0189 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	12,025.87	518.62
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0190 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	14,258.17	518.62
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0191 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	18,738.71	518.62
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	7,876.83	
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0192 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	23,299.35	576.25
<i>For Work In Restricted Working Space, Add</i>	288.12	
27 15 23 00-0193 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	27,763.95	576.25
<i>For Work In Restricted Working Space, Add</i>	288.12	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 15 23 00-0194      62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0161)</small>		
27 15 23 00-0195    MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,125.65	461.00
For Work In Restricted Working Space, Add	230.50	
27 15 23 00-0196    MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,304.07	461.00
For Work In Restricted Working Space, Add	230.50	
27 15 23 00-0197    MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,622.17	461.00
For Work In Restricted Working Space, Add	230.50	
27 15 23 00-0198    MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,957.02	461.00
For Work In Restricted Working Space, Add	230.50	
27 15 23 00-0199    MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,275.12	461.00
For Work In Restricted Working Space, Add	230.50	
27 15 23 00-0200    MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,928.07	461.00
For Work In Restricted Working Space, Add	230.50	
27 15 23 00-0201    MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,191.54	518.62
For Work In Restricted Working Space, Add	259.31	
27 15 23 00-0202    MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	5,552.20	518.62
For Work In Restricted Working Space, Add	259.31	
27 15 23 00-0203    MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	7,896.11	518.62
For Work In Restricted Working Space, Add	259.31	
27 15 23 00-0204    MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	10,240.03	518.62
For Work In Restricted Working Space, Add	259.31	
27 15 23 00-0205    MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	12,583.95	518.62
For Work In Restricted Working Space, Add	259.31	
27 15 23 00-0206    MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	14,927.86	518.62
For Work In Restricted Working Space, Add	259.31	
27 15 23 00-0207    MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	19,632.43	518.62
For Work In Restricted Working Space, Add	259.31	
27 15 23 00-0208    MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	24,416.30	576.25
For Work In Restricted Working Space, Add	288.12	
27 15 23 00-0209    MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	29,104.13	576.25
For Work In Restricted Working Space, Add	288.12	
<b>27 15 23 00-0210      Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0160)</small>		
<b>27 15 23 00-0211      Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0210)</small>		
27 15 23 00-0212    MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,956.13	461.00
For Work In Restricted Working Space, Add	230.50	
27 15 23 00-0213    MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,308.08	461.00
For Work In Restricted Working Space, Add	230.50	
27 15 23 00-0214    MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,082.38	461.00
For Work In Restricted Working Space, Add	230.50	
27 15 23 00-0215    MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,451.89	461.00
For Work In Restricted Working Space, Add	230.50	
27 15 23 00-0216    MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	5,969.31	461.00
For Work In Restricted Working Space, Add	230.50	
27 15 23 00-0217    MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	6,275.55	518.62
For Work In Restricted Working Space, Add	259.31	
27 15 23 00-0218    MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	7,897.45	518.62
For Work In Restricted Working Space, Add	259.31	
27 15 23 00-0219    MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	11,114.81	518.62
For Work In Restricted Working Space, Add	259.31	
27 15 23 00-0220    MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	13,622.44	518.62
For Work In Restricted Working Space, Add	259.31	
<b>27 15 23 00-0221      50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0210)</small>		
27 15 23 00-0222    MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,495.63	461.00
For Work In Restricted Working Space, Add	230.50	
27 15 23 00-0223    MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,040.24	461.00
For Work In Restricted Working Space, Add	230.50	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0224 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,938.19 230.50	461.00
27 15 23 00-0225 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,272.78 230.50	461.00
27 15 23 00-0226 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,827.00 230.50	461.00
27 15 23 00-0227 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,762.18 259.31	518.62
27 15 23 00-0228 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,762.29 259.31	518.62
27 15 23 00-0229 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	11,129.76 259.31	518.62
27 15 23 00-0230 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	17,000.71 259.31	518.62
<b>27 15 23 00-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0210)</small>		
27 15 23 00-0232 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,581.99 230.50	461.00
27 15 23 00-0233 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,153.84 230.50	461.00
27 15 23 00-0234 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	4,096.68 230.50	461.00
27 15 23 00-0235 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,498.01 230.50	461.00
27 15 23 00-0236 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,079.93 230.50	461.00
27 15 23 00-0237 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,107.07 259.31	518.62
27 15 23 00-0238 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	10,207.18 259.31	518.62
27 15 23 00-0239 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	11,643.03 259.31	518.62
27 15 23 00-0240 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	17,807.53 259.31	518.62
<b>27 15 23 00-0241 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0159)</small>		
<b>27 15 23 00-0242 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0241)</small>		
<b>27 15 23 00-0243 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0242)</small>		
27 15 23 00-0244 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,136.72 230.50	461.00
27 15 23 00-0245 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,142.28 230.50	461.00
27 15 23 00-0246 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,434.13 230.50	461.00
27 15 23 00-0247 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,468.28 875.86 5,287.11 230.50	461.00
27 15 23 00-0248 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,640.19 230.50	461.00
27 15 23 00-0249 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,672.36 891.26 5,651.38 230.50	461.00
27 15 23 00-0250 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,811.57 259.31	518.62
27 15 23 00-0251 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,916.77 1,102.58 5,452.20 259.31	518.62
27 15 23 00-0252 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,842.11 259.31	518.62
27 15 23 00-0253 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,048.17 1,690.49 6,490.98 259.31	518.62
27 15 23 00-0254 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,725.13 259.31	518.62
27 15 23 00-0255 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	11,515.59 259.31	518.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0256 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	15,236.52 259.31	518.62
<b>27 15 23 00-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0242)</small>		
27 15 23 00-0258 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,106.81 230.50	461.00
27 15 23 00-0259 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,542.17 230.50	461.00
27 15 23 00-0260 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,016.23 230.50	461.00
27 15 23 00-0261 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,499.80 199.28 559.61 230.50	461.00
27 15 23 00-0262 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,963.15 230.50	461.00
27 15 23 00-0263 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,365.73 104.19 513.21 230.50	461.00
27 15 23 00-0264 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	4,254.16 259.31	518.62
27 15 23 00-0265 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,692.73 2,028.51 4,731.08 259.31	518.62
27 15 23 00-0266 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	11,106.91 259.31	518.62
27 15 23 00-0267 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	14,521.09 6,023.59 259.31	518.62
27 15 23 00-0268 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	17,935.27 259.31	518.62
27 15 23 00-0269 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i> <i>For Work In Restricted Working Space, Add</i>	21,349.45 259.31 259.31	518.62
27 15 23 00-0270 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i> <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	28,202.20 259.31 12,047.18 259.31	518.62
<b>27 15 23 00-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0242)</small>		
27 15 23 00-0272 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,123.73 230.50	461.00
27 15 23 00-0273 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,580.86 230.50	461.00
27 15 23 00-0274 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,078.62 230.50	461.00
27 15 23 00-0275 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,586.37 230.50	461.00
27 15 23 00-0276 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,072.89 230.50	461.00
27 15 23 00-0277 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,495.60 230.50	461.00
27 15 23 00-0278 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	4,423.65 259.31	518.62
27 15 23 00-0279 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	8,034.15 259.31	518.62

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0280 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	11,619.04	518.62
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0281 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	15,203.93	518.62
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0282 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	18,788.81	518.62
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0283 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	22,373.70	518.62
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0284 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	29,569.09	518.62
<i>For Work In Restricted Working Space, Add</i>	259.31	
<b>27 15 23 00-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0241)</b>		
<b>27 15 23 00-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0285)</b>		
27 15 23 00-0287 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,032.49	461.00
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0288 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,460.71	461.00
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0289 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	4,490.15	461.00
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0290 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	5,499.04	461.00
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0291 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	7,109.21	461.00
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0292 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	10,085.36	518.62
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0293 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	14,519.34	518.62
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0294 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	17,552.52	518.62
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0295 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	21,887.34	518.62
<i>For Work In Restricted Working Space, Add</i>	259.31	
<b>27 15 23 00-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0285)</b>		
27 15 23 00-0297 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,142.59	461.00
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0298 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,420.01	461.00
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0299 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,700.14	461.00
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0300 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,862.23	461.00
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0301 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	11,664.99	461.00
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0302 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	15,935.54	518.62
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0303 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	18,723.97	518.62
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0304 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	20,660.01	518.62
<i>For Work In Restricted Working Space, Add</i>	259.31	
27 15 23 00-0305 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	33,055.21	518.62
<i>For Work In Restricted Working Space, Add</i>	259.31	
<b>27 15 23 00-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0285)</b>		
27 15 23 00-0307 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,361.31	461.00
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0308 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,702.59	461.00
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0309 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,096.73	461.00
<i>For Work In Restricted Working Space, Add</i>	230.50	
27 15 23 00-0310 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,316.93	461.00
<i>For Work In Restricted Working Space, Add</i>	230.50	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0311	MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed		12,209.83	461.00
	<i>For Work In Restricted Working Space, Add</i>		230.50	
27 15 23 00-0312	MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed		16,689.09	518.62
	<i>For Work In Restricted Working Space, Add</i>		259.31	
27 15 23 00-0313	MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed		19,616.95	518.62
	<i>For Work In Restricted Working Space, Add</i>		259.31	
27 15 23 00-0314	MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed		21,649.79	518.62
	<i>For Work In Restricted Working Space, Add</i>		259.31	
27 15 23 00-0315	MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed		34,664.75	518.62
	<i>For Work In Restricted Working Space, Add</i>		259.31	
27 15 23 00-0316	<b>Hybrid, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0001)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.			
27 15 23 00-0317	<b>Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0316)</small>			
27 15 23 00-0318	MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit		1,343.21	345.74
27 15 23 00-0319	MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit		2,380.49	345.74
27 15 23 00-0320	MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit		5,670.45	403.38
27 15 23 00-0321	MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit		9,041.37	403.38
27 15 23 00-0322	<b>Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0316)</small>			
27 15 23 00-0323	MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit		1,630.17	345.74
27 15 23 00-0324	MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit		2,420.87	345.74
27 15 23 00-0325	MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit		6,763.56	403.38
27 15 23 00-0326	MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit		11,795.87	403.38
27 15 23 00-0327	<b>Hybrid, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0001)</small> Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.			
27 15 23 00-0328	<b>Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0327)</small>			
27 15 23 00-0329	MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed		1,535.28	461.00
	<i>For Work In Restricted Working Space, Add</i>		230.50	
27 15 23 00-0330	MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed		2,572.56	461.00
	<i>For Work In Restricted Working Space, Add</i>		230.50	
27 15 23 00-0331	MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed		5,862.53	518.62
	<i>For Work In Restricted Working Space, Add</i>		259.31	
27 15 23 00-0332	MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed		9,233.45	518.62
	<i>For Work In Restricted Working Space, Add</i>		259.31	
27 15 23 00-0333	<b>Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0327)</small>			
27 15 23 00-0334	MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed		1,822.24	461.00
	<i>For Work In Restricted Working Space, Add</i>		230.50	
27 15 23 00-0335	MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed		2,612.94	461.00
	<i>For Work In Restricted Working Space, Add</i>		230.50	
27 15 23 00-0336	MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed		6,955.64	518.62
	<i>For Work In Restricted Working Space, Add</i>		259.31	
27 15 23 00-0337	MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed		11,987.95	518.62
	<i>For Work In Restricted Working Space, Add</i>		259.31	
27 15 23 00-0338	<b>Outdoor Fiber Optic Cable</b> <small>(27 15 23)</small> Note: Cable buried in trench excludes excavation.			
27 15 23 00-0339	<b>Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0338)</small> Note: Excludes conduit or innerduct.			

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0340			<b>Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b>		
27 15 23 00-0341			<b>Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> (27 15 23 00-0340)		
27 15 23 00-0342	MLF		2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 1,714.51 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 274.52	691.50	
27 15 23 00-0343	MLF		4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 1,748.68 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 276.79	691.50	
27 15 23 00-0344	MLF		6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 1,782.91 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 278.99	691.50	
27 15 23 00-0345	MLF		8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 1,817.11 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 281.67	691.50	
27 15 23 00-0346	MLF		12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 1,885.06 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 254.87	691.50	
27 15 23 00-0347	MLF		18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 2,024.07 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 283.96	691.50	
27 15 23 00-0348	MLF		24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 2,095.53 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 223.55	691.50	
27 15 23 00-0349	MLF		36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 2,117.57 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 261.29	691.50	
27 15 23 00-0350	MLF		48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 2,526.52 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 287.46	691.50	
27 15 23 00-0351	MLF		60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 2,751.98 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 287.44	691.50	
27 15 23 00-0352	MLF		72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 3,044.50 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 339.73	691.50	
27 15 23 00-0353	MLF		96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 3,559.48 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 326.17	691.50	
27 15 23 00-0354	MLF		120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 4,122.16 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 396.07	691.50	
27 15 23 00-0355	MLF		144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 4,711.06 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 265.13	691.50	
27 15 23 00-0356			<b>50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> (27 15 23 00-0340)		
27 15 23 00-0357	MLF		2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 2,130.34 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 94.66	691.50	
27 15 23 00-0358	MLF		4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 2,185.83 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 135.42	691.50	
27 15 23 00-0359	MLF		6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 2,302.12 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 197.88	691.50	
27 15 23 00-0360	MLF		8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 2,460.69 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 80.56	691.50	
27 15 23 00-0361	MLF		12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 2,526.76 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 110.74	691.50	
27 15 23 00-0362	MLF		18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 2,751.39 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 147.36	691.50	
27 15 23 00-0363	MLF		24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 3,227.10 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 139.15	691.50	
27 15 23 00-0364	MLF		36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 3,927.44 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 277.56	691.50	
27 15 23 00-0365	MLF		48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 4,707.07 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 199.18	691.50	
27 15 23 00-0366	MLF		60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 5,248.84 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 331.16	691.50	
27 15 23 00-0367	MLF		72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 5,949.18 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 840.82	691.50	
27 15 23 00-0368	MLF		96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 7,574.50 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 480.50	691.50	
27 15 23 00-0369	MLF		120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 9,186.61 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 587.14	691.50	
27 15 23 00-0370	MLF		144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 10,798.72 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 707.53	691.50	
27 15 23 00-0371			<b>62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> (27 15 23 00-0340)		
27 15 23 00-0372	MLF		2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 1,477.37 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 117.40	691.50	
27 15 23 00-0373	MLF		4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 1,590.23 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 125.89	691.50	
27 15 23 00-0374	MLF		6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 1,702.93 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 134.18	691.50	
27 15 23 00-0375	MLF		8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 1,842.14 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 152.76	691.50	
27 15 23 00-0376	MLF		12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 2,041.52 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 159.30	691.50	
27 15 23 00-0377	MLF		18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 2,394.02 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 169.77	691.50	
27 15 23 00-0378	MLF		24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... 2,727.93 <i>For Corrugated Coated Steel Tape Armored Cable, Add</i> 195.24	691.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0379 MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,366.98 216.96	691.50
27 15 23 00-0380 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,114.45 249.46	691.50
27 15 23 00-0381 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,804.83 268.43	691.50
27 15 23 00-0382 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,533.50 303.82	691.50
27 15 23 00-0383 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,007.25 341.60	691.50
27 15 23 00-0384 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,504.66 387.68	691.50
27 15 23 00-0385 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,025.18 356.11	691.50
<b>27 15 23 00-0386 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0339)</small>		
<b>27 15 23 00-0387 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0386)</small>		
27 15 23 00-0388 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,910.23 216.94	691.50
27 15 23 00-0389 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,976.87 311.37	691.50
27 15 23 00-0390 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,996.87 298.40	691.50
27 15 23 00-0391 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,076.71 248.41	691.50
27 15 23 00-0392 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,101.62 296.89	691.50
27 15 23 00-0393 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,213.50 281.58	691.50
27 15 23 00-0394 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,313.82 284.92	691.50
27 15 23 00-0395 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,473.85 361.31	691.50
27 15 23 00-0396 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,699.31 366.03	691.50
27 15 23 00-0397 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,923.90 379.21	691.50
27 15 23 00-0398 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,228.38 326.18	691.50
27 15 23 00-0399 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,720.90 425.39	691.50
27 15 23 00-0400 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,365.24 418.87	691.50
27 15 23 00-0401 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,892.52 334.59	691.50
<b>27 15 23 00-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0386)</small>		
27 15 23 00-0403 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,134.90 307.00	691.50
27 15 23 00-0404 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,368.22 171.92	691.50
27 15 23 00-0405 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,675.22 36.84	691.50
27 15 23 00-0406 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,822.58 61.40	691.50
27 15 23 00-0407 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,969.94 61.40	691.50
27 15 23 00-0408 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,313.78 73.68	691.50
27 15 23 00-0409 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,620.78 282.44	691.50
27 15 23 00-0410 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,283.90 552.60	691.50
27 15 23 00-0411 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,947.02 921.00	691.50
27 15 23 00-0412 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,499.62 1,013.10	691.50
27 15 23 00-0413 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,224.14 1,289.40	691.50
27 15 23 00-0414 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,734.58 1,903.40	691.50
27 15 23 00-0415 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,495.94 1,436.76	691.50
27 15 23 00-0416 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,448.46 3,499.80	691.50

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0417			<b>62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0386)</small>		
27 15 23 00-0418	MLF		2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,553.58	691.50
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	147.36	
27 15 23 00-0419	MLF		4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,664.10	691.50
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	159.29	
27 15 23 00-0420	MLF		6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,774.44	691.50
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	171.22	
27 15 23 00-0421	MLF		8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,884.96	691.50
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	183.13	
27 15 23 00-0422	MLF		12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,171.25	691.50
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	196.97	
27 15 23 00-0423	MLF		18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,451.98	691.50
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	230.82	
27 15 23 00-0424	MLF		24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,795.98	691.50
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	250.71	
27 15 23 00-0425	MLF		36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,461.82	691.50
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	309.76	
27 15 23 00-0426	MLF		48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,140.10	691.50
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	354.90	
27 15 23 00-0427	MLF		60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,820.72	691.50
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	395.21	
27 15 23 00-0428	MLF		72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	5,536.38	691.50
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	440.71	
27 15 23 00-0429	MLF		96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	6,988.65	691.50
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	519.66	
27 15 23 00-0430	MLF		120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	8,863.11	691.50
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	537.20	
27 15 23 00-0431	MLF		144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	9,961.62	691.50
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	554.56	
27 15 23 00-0432			<b>Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0338)</small>		
			Note: Excludes trenching.		
27 15 23 00-0433			<b>Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0432)</small>		
27 15 23 00-0434			<b>Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0433)</small>		
27 15 23 00-0435	MLF		2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	1,618.46	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	274.52	
27 15 23 00-0436	MLF		4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	1,652.63	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	276.79	
27 15 23 00-0437	MLF		6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	1,686.86	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	278.99	
27 15 23 00-0438	MLF		8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	1,721.06	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	281.67	
27 15 23 00-0439	MLF		12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	1,789.01	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	254.87	
27 15 23 00-0440	MLF		18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	1,928.02	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	283.96	
27 15 23 00-0441	MLF		24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	1,999.48	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	223.55	
27 15 23 00-0442	MLF		36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	2,021.52	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	261.29	
27 15 23 00-0443	MLF		48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	2,430.47	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	287.46	
27 15 23 00-0444	MLF		60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	2,943.37	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	287.44	
27 15 23 00-0445	MLF		72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	3,288.18	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	339.73	
27 15 23 00-0446	MLF		96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	3,463.43	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	326.17	
27 15 23 00-0447	MLF		120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	4,026.11	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	396.07	
27 15 23 00-0448	MLF		144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	4,615.01	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	265.13	
27 15 23 00-0449			<b>50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0433)</small>		
27 15 23 00-0450	MLF		2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	2,034.29	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	94.66	
27 15 23 00-0451	MLF		4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	2,089.78	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	135.42	
27 15 23 00-0452	MLF		6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	2,206.07	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	197.88	
27 15 23 00-0453	MLF		8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	2,364.64	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	80.56	
27 15 23 00-0454	MLF		12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,430.71	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	110.74	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0455 MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,655.34 147.36	
27 15 23 00-0456 MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,131.05 139.15	
27 15 23 00-0457 MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,831.39 277.56	
27 15 23 00-0458 MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,611.02 199.18	
27 15 23 00-0459 MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,152.79 331.16	
27 15 23 00-0460 MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,853.13 840.82	
27 15 23 00-0461 MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,478.45 480.50	
27 15 23 00-0462 MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,090.56 587.14	
27 15 23 00-0463 MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,702.67 707.53	
<b>27 15 23 00-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0433)</small>		
27 15 23 00-0465 MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,381.32 117.40	
27 15 23 00-0466 MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,494.18 125.89	
27 15 23 00-0467 MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,606.88 134.18	
27 15 23 00-0468 MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,746.09 152.76	
27 15 23 00-0469 MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,945.47 159.30	
27 15 23 00-0470 MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,297.97 169.77	
27 15 23 00-0471 MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,631.88 195.24	
27 15 23 00-0472 MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,270.93 216.96	
27 15 23 00-0473 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,018.40 249.46	
27 15 23 00-0474 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,708.78 268.43	
27 15 23 00-0475 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,437.45 303.82	
27 15 23 00-0476 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,911.20 341.60	
27 15 23 00-0477 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,408.61 387.68	
27 15 23 00-0478 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,929.13 356.11	
<b>27 15 23 00-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0432)</small>		
<b>27 15 23 00-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0479)</small>		
27 15 23 00-0481 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,814.18 216.94	
27 15 23 00-0482 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,880.82 311.37	
27 15 23 00-0483 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,900.82 298.40	
27 15 23 00-0484 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,980.66 248.41	
27 15 23 00-0485 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,005.57 296.89	
27 15 23 00-0486 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,117.45 281.58	
27 15 23 00-0487 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,217.77 284.92	
27 15 23 00-0488 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,377.80 361.31	
27 15 23 00-0489 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,603.26 366.03	
27 15 23 00-0490 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,827.85 379.21	
27 15 23 00-0491 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,132.33 326.18	
27 15 23 00-0492 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,624.85 425.39	
27 15 23 00-0493 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,269.19 418.87	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 15 23 00-0494	MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,796.47 334.59	
<b>27 15 23 00-0495</b>	<b>50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0479)</small>		
27 15 23 00-0496	MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,038.85 307.00	
27 15 23 00-0497	MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,272.17 171.92	
27 15 23 00-0498	MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,579.17 36.84	
27 15 23 00-0499	MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,726.53 61.40	
27 15 23 00-0500	MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,873.89 61.40	
27 15 23 00-0501	MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,217.73 73.68	
27 15 23 00-0502	MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,524.73 282.44	
27 15 23 00-0503	MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,187.85 552.60	
27 15 23 00-0504	MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,850.97 92.10	
27 15 23 00-0505	MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,403.57 1,013.10	
27 15 23 00-0506	MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,128.09 1,289.40	
27 15 23 00-0507	MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,638.53 1,903.40	
27 15 23 00-0508	MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,399.89 1,436.76	
27 15 23 00-0509	MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,352.41 3,499.80	
<b>27 15 23 00-0510</b>	<b>62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0479)</small>		
27 15 23 00-0511	MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,457.53 147.36	
27 15 23 00-0512	MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,568.05 159.29	
27 15 23 00-0513	MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,678.39 171.22	
27 15 23 00-0514	MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,788.91 183.13	
27 15 23 00-0515	MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,075.20 196.97	
27 15 23 00-0516	MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,355.93 230.82	
27 15 23 00-0517	MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,699.93 250.71	
27 15 23 00-0518	MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,365.77 309.76	
27 15 23 00-0519	MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,044.05 354.90	
27 15 23 00-0520	MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,724.67 395.21	
27 15 23 00-0521	MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,440.33 440.71	
27 15 23 00-0522	MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,892.60 519.66	
27 15 23 00-0523	MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,439.85 537.20	
27 15 23 00-0524	MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,865.57 554.56	
<b>27 15 23 00-0525</b>	<b>(Aerial) Outdoor Fiber Optic Cable, Installed On Poles</b> <small>(27 15 23 00-0338)</small>		
<b>27 15 23 00-0526</b>	<b>Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles</b> <small>(27 15 23 00-0525)</small>		
<b>27 15 23 00-0527</b>	<b>Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles</b> <small>(27 15 23 00-0526)</small>		
27 15 23 00-0528	MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,090.61 183.61	2,708.39
27 15 23 00-0529	MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,124.56 188.36	2,708.39
27 15 23 00-0530	MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,158.97 192.99	2,708.39
27 15 23 00-0531	MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,192.93 189.30	2,708.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0532 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,260.88 220.68	2,708.39
27 15 23 00-0533 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,395.05 229.43	2,708.39
27 15 23 00-0534 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,497.38 253.58	2,708.39
27 15 23 00-0535 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,740.67 243.14	2,708.39
27 15 23 00-0536 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,953.44 282.48	2,708.39
27 15 23 00-0537 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,129.32 270.87	2,708.39
27 15 23 00-0538 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,348.73 309.69	2,708.39
27 15 23 00-0539 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,924.57 314.54	2,708.39
27 15 23 00-0540 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,542.39 375.33	2,708.39
27 15 23 00-0541 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,690.50 403.02	2,708.39
<b>27 15 23 00-0542 Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0338)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
<b>27 15 23 00-0543 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0542)</small>		
27 15 23 00-0544 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	3,524.68	576.25
27 15 23 00-0545 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	4,518.88	576.25
27 15 23 00-0546 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	6,733.61	576.25
<b>27 15 23 00-0547 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0542)</small>		
27 15 23 00-0548 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	4,792.73	576.25
27 15 23 00-0549 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	5,357.72	576.25
27 15 23 00-0550 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	7,829.15	576.25
<b>27 15 23 00-0551 Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0338)</small> Note: Singlemode and multimode combination cable. Excludes trenching.		
<b>27 15 23 00-0552 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0551)</small>		
27 15 23 00-0553 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,428.63	528.22
27 15 23 00-0554 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,422.83	528.22
27 15 23 00-0555 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	6,637.56	528.22
<b>27 15 23 00-0556 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0551)</small>		
27 15 23 00-0557 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,696.68	528.22
27 15 23 00-0558 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench .....	5,261.67	528.22
27 15 23 00-0559 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench .....	7,733.10	528.22
<b>27 15 23 00-0560 Indoor/Outdoor Fiber Optic Cable</b> <small>(27 15 23)</small>		
<b>27 15 23 00-0561 Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0560)</small> Note: Excludes conduit or innerduct.		
<b>27 15 23 00-0562 Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0561)</small>		
<b>27 15 23 00-0563 Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0562)</small>		
27 15 23 00-0564 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	1,216.08	345.74
27 15 23 00-0565 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	1,328.03	345.74
27 15 23 00-0566 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	1,392.41	345.74
27 15 23 00-0567 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	1,606.01	345.74
27 15 23 00-0568 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	1,657.52	345.74
27 15 23 00-0569 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	1,826.71	345.74
27 15 23 00-0570 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	4,191.34	403.38
27 15 23 00-0571 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	5,336.00	403.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0572 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	7,280.03	403.38
27 15 23 00-0573 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	7,613.63	403.38
27 15 23 00-0574 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	8,776.78	403.38
27 15 23 00-0575 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	9,811.81	403.38
27 15 23 00-0576 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	11,395.36	403.38
27 15 23 00-0577 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	1,759.93	345.74
27 15 23 00-0578 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	1,967.04	345.74
27 15 23 00-0579 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	2,086.15	345.74
27 15 23 00-0580 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	2,481.31	345.74
27 15 23 00-0581 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	2,576.59	345.74
27 15 23 00-0582 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	2,889.60	345.74
27 15 23 00-0583 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	7,182.54	403.38
27 15 23 00-0584 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	9,300.15	403.38
27 15 23 00-0585 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	12,896.61	403.38
27 15 23 00-0586 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	13,513.78	403.38
27 15 23 00-0587 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	15,665.59	403.38
27 15 23 00-0588 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	17,580.40	403.38
27 15 23 00-0589 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	20,509.97	403.38
<b>27 15 23 00-0590</b> Indoor/Outdoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0560)</small> Note: For non-conduit installations such as cable trays, surface runways, etc.		
<b>27 15 23 00-0591</b> Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0590)</small>		
<b>27 15 23 00-0592</b> Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0591)</small>		
27 15 23 00-0593 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	1,408.15	461.00
<i>For Work In Restricted Working Space, Add</i> .....	230.50	
27 15 23 00-0594 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	1,520.10	461.00
<i>For Work In Restricted Working Space, Add</i> .....	230.50	
27 15 23 00-0595 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	1,584.48	461.00
<i>For Work In Restricted Working Space, Add</i> .....	230.50	
27 15 23 00-0596 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	1,798.08	461.00
<i>For Work In Restricted Working Space, Add</i> .....	230.50	
27 15 23 00-0597 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	1,849.59	461.00
<i>For Work In Restricted Working Space, Add</i> .....	230.50	
27 15 23 00-0598 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	2,018.78	461.00
<i>For Work In Restricted Working Space, Add</i> .....	230.50	
27 15 23 00-0599 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	4,383.42	518.62
<i>For Work In Restricted Working Space, Add</i> .....	259.31	
27 15 23 00-0600 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	5,528.08	518.62
<i>For Work In Restricted Working Space, Add</i> .....	259.31	
27 15 23 00-0601 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	7,472.11	518.62
<i>For Work In Restricted Working Space, Add</i> .....	259.31	
27 15 23 00-0602 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	7,805.71	518.62
<i>For Work In Restricted Working Space, Add</i> .....	259.31	
27 15 23 00-0603 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	8,968.86	518.62
<i>For Work In Restricted Working Space, Add</i> .....	259.31	
27 15 23 00-0604 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	10,003.89	518.62
<i>For Work In Restricted Working Space, Add</i> .....	259.31	
27 15 23 00-0605 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	11,587.44	518.62
<i>For Work In Restricted Working Space, Add</i> .....	259.31	
27 15 23 00-0606 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	1,952.00	461.00
<i>For Work In Restricted Working Space, Add</i> .....	230.50	
27 15 23 00-0607 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	2,159.11	461.00
<i>For Work In Restricted Working Space, Add</i> .....	230.50	
27 15 23 00-0608 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	2,278.22	461.00
<i>For Work In Restricted Working Space, Add</i> .....	230.50	
27 15 23 00-0609 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	2,673.38	461.00
<i>For Work In Restricted Working Space, Add</i> .....	230.50	



<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>	
<b>Communications Horizontal Cabling</b>	<b>27 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0610 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed ..... 2,768.66	2,768.66	461.00
For Work In Restricted Working Space, Add 230.50	230.50	
27 15 23 00-0611 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed ..... 3,081.67	3,081.67	461.00
For Work In Restricted Working Space, Add 230.50	230.50	
27 15 23 00-0612 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed ..... 7,374.62	7,374.62	518.62
For Work In Restricted Working Space, Add 259.31	259.31	
27 15 23 00-0613 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed ..... 9,492.23	9,492.23	518.62
For Work In Restricted Working Space, Add 259.31	259.31	
27 15 23 00-0614 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed ..... 13,088.69	13,088.69	518.62
For Work In Restricted Working Space, Add 259.31	259.31	
27 15 23 00-0615 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed ..... 13,705.86	13,705.86	518.62
For Work In Restricted Working Space, Add 259.31	259.31	
27 15 23 00-0616 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed ..... 15,857.67	15,857.67	518.62
For Work In Restricted Working Space, Add 259.31	259.31	
27 15 23 00-0617 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed ..... 17,772.48	17,772.48	518.62
For Work In Restricted Working Space, Add 259.31	259.31	
27 15 23 00-0618 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed ..... 20,702.05	20,702.05	518.62
For Work In Restricted Working Space, Add 259.31	259.31	
<b>27 15 33 Communications Coaxial Horizontal Cabling (27 15)</b>		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
<b>27 15 33 00-0001 Indoor Coaxial Cable (27 15 33)</b>		
<b>27 15 33 00-0002 Coaxial, Indoor Telecommunications Cable (27 15 33 00-0001)</b>		
<b>27 15 33 00-0003 Coaxial, Indoor Telecommunications Cable, Installed In Conduit (27 15 33 00-0002)</b>		
27 15 33 00-0004 MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108)..... 1,138.27	1,138.27	403.38
27 15 33 00-0005 MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108)..... 2,467.39	2,467.39	403.38
27 15 33 00-0006 MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114)..... 992.71	992.71	461.00
27 15 33 00-0007 MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120)..... 3,087.00	3,087.00	461.00
<b>27 15 33 00-0008 Coaxial, Indoor Telecommunications Cable, Installed Exposed (27 15 33 00-0002)</b>		
27 15 33 00-0009 MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108) ..... 1,810.55	1,810.55	806.74
For Work In Restricted Working Space, Add 403.37	403.37	
27 15 33 00-0010 MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108) ..... 3,139.67	3,139.67	806.74
For Work In Restricted Working Space, Add 403.37	403.37	
27 15 33 00-0011 MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114) ..... 1,761.05	1,761.05	921.99
For Work In Restricted Working Space, Add 461.00	461.00	
27 15 33 00-0012 MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120) ..... 3,855.34	3,855.34	921.99
For Work In Restricted Working Space, Add 461.00	461.00	
<b>27 15 33 00-0013 Coaxial Distribution Cable (27 15 33 00-0001)</b>		
Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal. For tasks installed in conduit, tasks exclude conduit.		
27 15 33 00-0014 MLF RG-6/U Coaxial Distribution Cable, Installed In Conduit..... 1,777.03	1,777.03	280.74
27 15 33 00-0015 MLF RG-6A/U Coaxial Distribution Cable, Installed In Conduit ..... 6,248.04	6,248.04	280.74
27 15 33 00-0016 MLF RG-8/U Coaxial Distribution Cable, Installed In Conduit ..... 3,355.94	3,355.94	296.53
27 15 33 00-0017 MLF RG-8A/U Coaxial Distribution Cable, Installed In Conduit ..... 4,195.79	4,195.79	296.53
27 15 33 00-0018 MLF RG-11/U Coaxial Distribution Cable, Installed In Conduit..... 3,769.29	3,769.29	350.92
27 15 33 00-0019 MLF RG-11A/U Coaxial Distribution Cable, Installed In Conduit ..... 5,393.48	5,393.48	350.92
27 15 33 00-0020 MLF RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed..... 11,551.20	11,551.20	491.29
27 15 33 00-0021 MLF RG-58/U Coaxial Distribution Cable, Installed In Conduit..... 1,327.18	1,327.18	245.65
27 15 33 00-0022 MLF RG-58A/U Coaxial Distribution Cable, Installed In Conduit ..... 1,493.60	1,493.60	245.65
27 15 33 00-0023 MLF RG-58C/U Coaxial Distribution Cable, Installed In Conduit ..... 1,786.76	1,786.76	245.65
27 15 33 00-0024 MLF RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed..... 4,315.77	4,315.77	491.29
27 15 33 00-0025 MLF RG-59/U Coaxial Distribution Cable, Installed In Conduit..... 2,104.68	2,104.68	245.65
27 15 33 00-0026 MLF RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed..... 5,188.04	5,188.04	491.29
27 15 33 00-0027 MLF 1/2" Hard Line Coaxial, Installed In Conduit ..... 1,825.02	1,825.02	350.92
<b>27 15 33 00-0028 Outdoor Coaxial Cable (27 15 33)</b>		
<b>27 15 33 00-0029 Coaxial Cables "Television" Copper Covered Aluminum Center Core (27 15 33 00-0028)</b>		
Note: Corrugated steel armor jacket.		
27 15 33 00-0030 MLF TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial..... 5,134.25	5,134.25	1,313.50
27 15 33 00-0031 MLF TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial..... 3,258.98	3,258.98	923.89
27 15 33 00-0032 MLF TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial..... 2,699.58	2,699.58	545.07
27 15 33 00-0033 MLF TV Coaxial Cable Drop 1/4" Diameter, Direct Burial..... 1,533.82	1,533.82	545.07
27 15 33 00-0034 MLF 1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit..... 2,300.36	2,300.36	851.69

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**27 15 43 Communications Faceplates and Connectors (27 15)**

27 15 43 00-0001	EA	Wall Mounted Telephone Faceplates (27 15 43) Note: Includes standard telephone mounting studs.		
27 15 43 00-0002	EA	Plastic Faceplates For Wall Mounted Telephones (27 15 43 00-0001)		
27 15 43 00-0003	EA	Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones.....	36.59	12.00
27 15 43 00-0004	EA	Stainless Steel Faceplates For Wall Mounted Telephones (27 15 43 00-0001)		
27 15 43 00-0005	EA	Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones..... Note: Requires one snap-in modular jack.	30.29	4.80
27 15 43 00-0006	EA	Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	51.95	12.00
27 15 43 00-0007	EA	Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	60.37	14.41
27 15 43 00-0008	EA	Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones..... Note: Requires one snap-in modular jack.	29.09	4.80
27 15 43 00-0009	EA	Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	46.84	12.00
27 15 43 00-0010	EA	Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	55.40	14.41
27 15 43 00-0011	EA	Plastic Communications Faceplates (27 15 43) Note: Excludes modular jacks. See CSI section 27 15 43 00-0056 for modular jacks.		
27 15 43 00-0012	EA	One Port, Single Gang, Plastic Communication Faceplate With Station ID.....	8.13	2.40
27 15 43 00-0013	EA	Two Port, Single Gang, Plastic Communication Faceplate With Station ID.....	8.13	2.40
27 15 43 00-0014	EA	Three Port, Single Gang, Plastic Communication Faceplate With Station ID.....	8.13	2.40
27 15 43 00-0015	EA	Four Port, Single Gang, Plastic Communication Faceplate With Station ID.....	8.13	2.40
27 15 43 00-0016	EA	Six Port, Single Gang, Plastic Communication Faceplate With Station ID.....	8.13	2.40
27 15 43 00-0017	EA	Four Port, Double Gang, Plastic Communications Faceplate With Station ID.....	15.37	2.40
27 15 43 00-0018	EA	Six Port, Double Gang, Plastic Communication Faceplate With Station ID.....	15.37	2.40
27 15 43 00-0019	EA	Eight Port, Double Gang, Plastic Communication Faceplate With Station ID.....	15.37	2.40
27 15 43 00-0020	EA	Nine Port, Double Gang, Plastic Communication Faceplate With Station ID.....	15.37	2.40
27 15 43 00-0021	EA	Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID.....	15.37	2.40
27 15 43 00-0022	EA	Stainless Steel Communications Faceplates (27 15 43) Note: Excludes modular jacks. See CSI section 27 15 43 00-0056 for modular jacks.		
27 15 43 00-0023	EA	Stainless Steel Communications Faceplates (27 15 43 00-0022)		
27 15 43 00-0024	EA	One Port, Single Gang, Stainless Steel Communications Faceplate.....	16.19	2.40
27 15 43 00-0025	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate.....	16.19	2.40
27 15 43 00-0026	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate.....	16.19	2.40
27 15 43 00-0027	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate.....	17.37	2.40
27 15 43 00-0028	EA	Five Port, Single Gang, Stainless Steel Communications Faceplate.....	17.37	2.40
27 15 43 00-0029	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate.....	23.72	2.40
27 15 43 00-0030	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate.....	24.46	2.40
27 15 43 00-0031	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate.....	28.45	2.40
27 15 43 00-0032	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate.....	28.45	2.40
27 15 43 00-0033	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate.....	28.45	2.40
27 15 43 00-0034	EA	Stainless Steel Communications Faceplates With Station ID (27 15 43 00-0022)		
27 15 43 00-0035	EA	One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	23.57	2.40
27 15 43 00-0036	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	23.57	2.40
27 15 43 00-0037	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	23.57	2.40
27 15 43 00-0038	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	23.57	2.40
27 15 43 00-0039	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	23.57	2.40
27 15 43 00-0040	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	51.79	2.40
27 15 43 00-0041	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	51.79	2.40
27 15 43 00-0042	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	51.79	2.40
27 15 43 00-0043	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID.....	51.79	2.40
27 15 43 00-0044	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	51.79	2.40
27 15 43 00-0045	EA	Industrial Stainless Steel Communications Faceplates (Leviton® Duraport®) (27 15 43 00-0022) Note: For twist-lock connector housings. Includes over-molded gasket and mounting holes with embedded sealing. Excludes connector housings.		
27 15 43 00-0046	EA	One Port, Single Gang, Stainless Steel Communications Faceplate (Leviton® Duraport®).....	32.10	2.40
27 15 43 00-0047	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate (Leviton® Duraport®).....	32.10	2.40
27 15 43 00-0048	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate (Leviton® Duraport®).....	35.03	2.40
27 15 43 00-0049	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate (Leviton® Duraport®).....	35.03	2.40
27 15 43 00-0050	EA	Surface Mount Plastic Communication Boxes (27 15 43) Note: Excludes modular jacks. See CSI section 27 15 43 00-0056 for modular jacks.		
27 15 43 00-0051	EA	One Port, Surface Mount Plastic Communication Box With Station ID.....	28.27	12.03
27 15 43 00-0052	EA	Two Port, Surface Mount Plastic Communication Box With Station ID.....	29.01	12.03
27 15 43 00-0053	EA	Four Port, Surface Mount Plastic Communication Box With Station ID.....	34.11	12.03
27 15 43 00-0054	EA	Six Port, Surface Mount Plastic Communication Box With Station ID.....	40.16	12.03
27 15 43 00-0055	EA	Twelve Port, Surface Mount Plastic Communication Box With Station ID.....	46.52	12.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 15 43 00-0056 Snap-In Modular Jacks</b> (27 15 43)		
Note: Includes termination.		
27 15 43 00-0057 EA Cat 3, Snap-In Modular Jack .....	27.66	9.63
27 15 43 00-0058 EA Category 5E, Snap-In Modular Jack .....	29.29	9.63
27 15 43 00-0059 EA Category 5E Shielded, Snap-In Modular Jack .....	34.16	9.63
27 15 43 00-0060 EA Cat 6, Snap-In Modular Jack .....	34.16	9.63
27 15 43 00-0061 EA Cat 6 Shielded, Snap-In Modular Jack .....	39.63	9.63
27 15 43 00-0062 EA Cat 6A, Snap-In Modular Jack .....	40.46	9.63
27 15 43 00-0063 EA Voice, RJ-11, Snap-In Modular Jack .....	21.74	4.81
27 15 43 00-0064 EA SC Type Fiber Optic, Snap-In Modular Jack .....	31.35	9.63
27 15 43 00-0065 EA ST Type Fiber Optic, Snap-In Modular Jack .....	35.49	9.63
27 15 43 00-0066 EA LC Type Fiber Optic, Snap-In Modular Jack .....	43.62	9.63
27 15 43 00-0067 EA Blank Fill In, Snap-In Modular Jack .....	5.58	2.40
27 15 43 00-0068 EA Open Cable Pass Through Insert, Snap-In Modular Jack .....	6.94	2.40
27 15 43 00-0069 EA Coaxial F-Type Coupler, Snap-In Modular Jack .....	23.45	7.21
Note: Includes female to female connection.		
<i>For Gold Bulkhead, Add</i>	1.58	
27 15 43 00-0070 EA RCA Jack Pass-Through Coupler, Snap-In Modular Jack .....	23.75	7.21
Note: Includes female to female connection.		
27 15 43 00-0071 EA RCA Solder Coupler, Snap-In Modular Jack .....	45.44	9.63
27 15 43 00-0072 EA RCA Jack With 110 Punch Down, Snap-In Modular Jack .....	57.41	9.63
27 15 43 00-0073 EA 3.5 m Mini Stereo Jack, Snap-In Modular Jack .....	28.84	9.63
27 15 43 00-0074 EA MT-RJ Pass-Through Coupler, Snap-In Modular Jack .....	32.50	4.81
27 15 43 00-0075 EA BNC Connector, Snap-In Modular Jack .....	33.72	9.63
27 15 43 00-0076 EA S-Video With 110 Punch Down, Snap-In Modular Jack .....	38.15	9.63
27 15 43 00-0077 PR Speaker Connectors, Snap-In Modular Jack .....	54.61	14.44
Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 15 43 00-0078 EA USB Audio Video Connector, Snap-In Modular Jack .....	58.54	9.63
<b>27 15 43 00-0079 Twist-Lock Industrial Connector Housings (Leviton® Duraport®)</b> (27 15 43)		
Note: Includes jack, connector cap and termination.		
27 15 43 00-0080 EA Category 5E, Twist-Lock Industrial Connector Housing (Leviton® Duraport®) .....	140.66	9.63
27 15 43 00-0081 EA Cat 6, Twist-Lock Industrial Connector Housing (Leviton® Duraport®) .....	167.27	9.63
<b>27 15 53 Communications Cable Innerduct</b> (27 15)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
<b>27 15 53 00-0001 Indoor Innerduct</b> (27 15 53)		
<b>27 15 53 00-0002 Indoor Innerduct, Installed In Conduit</b> (27 15 53 00-0001)		
<b>27 15 53 00-0003 Riser Rated, Indoor Innerduct, Installed In Conduit</b> (27 15 53 00-0002)		
27 15 53 00-0004 MLF 1" Riser Rated, Indoor Innerduct, Installed In Conduit .....	4,033.95	1,440.62
27 15 53 00-0005 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit .....	5,190.57	1,920.82
27 15 53 00-0006 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit .....	6,984.87	2,401.02
27 15 53 00-0007 MLF 2" Riser Rated, Indoor Innerduct, Installed In Conduit .....	8,116.96	2,881.23
<b>27 15 53 00-0008 Plenum Rated, Indoor Innerduct, Installed In Conduit</b> (27 15 53 00-0002)		
27 15 53 00-0009 MLF 3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit .....	6,439.57	960.41
27 15 53 00-0010 MLF 1" Plenum Rated, Indoor Innerduct, Installed In Conduit .....	7,190.47	1,440.62
27 15 53 00-0011 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit .....	9,031.07	1,920.82
27 15 53 00-0012 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit .....	11,641.83	2,401.02
27 15 53 00-0013 MLF 2" Plenum Rated, Indoor Innerduct, Installed In Conduit .....	14,014.20	2,881.23
<b>27 15 53 00-0014 Indoor Innerduct, Installed Exposed</b> (27 15 53 00-0001)		
<b>27 15 53 00-0015 Riser Rated, Indoor Innerduct, Installed Exposed</b> (27 15 53 00-0014)		
27 15 53 00-0016 MLF 1" Riser Rated, Indoor Innerduct, Installed Exposed .....	4,994.36	1,920.82
<i>For Work In Restricted Working Space, Add</i>	1,152.49	
27 15 53 00-0017 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed .....	6,150.98	2,401.02
<i>For Work In Restricted Working Space, Add</i>	1,440.62	
27 15 53 00-0018 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed .....	7,945.28	2,881.23
<i>For Work In Restricted Working Space, Add</i>	1,728.74	
27 15 53 00-0019 MLF 2" Riser Rated, Indoor Innerduct, Installed Exposed .....	9,077.36	3,361.44
<i>For Work In Restricted Working Space, Add</i>	2,016.86	
<b>27 15 53 00-0020 Plenum Rated, Indoor Innerduct, Installed Exposed</b> (27 15 53 00-0014)		
27 15 53 00-0021 MLF 3/4" Plenum Rated, Indoor Innerduct, Installed Exposed .....	7,399.98	1,440.62
27 15 53 00-0022 MLF 1" Plenum Rated, Indoor Innerduct, Installed Exposed .....	8,150.88	1,920.82
<i>For Work In Restricted Working Space, Add</i>	1,152.49	
27 15 53 00-0023 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed .....	9,991.48	2,401.02
<i>For Work In Restricted Working Space, Add</i>	1,440.62	
27 15 53 00-0024 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed .....	12,602.24	2,881.23
<i>For Work In Restricted Working Space, Add</i>	1,728.74	

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 15</b>	<b>Communications Horizontal Cabling</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 53 00-0025 MLF 2" Plenum Rated, Indoor Innerduct, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	14,974.60 2,016.86	3,361.44
<b>27 15 53 00-0026 Outdoor Innerduct</b> <small>(27 15 53)</small>		
<b>27 15 53 00-0027 Outdoor Innerduct, Installed In Conduit</b> <small>(27 15 53 00-0026)</small>		
27 15 53 00-0028 MLF 1" Outdoor Innerduct, Installed In Conduit .....	3,739.64	1,440.62
27 15 53 00-0029 MLF 1-1/4" Outdoor Innerduct, Installed In Conduit.....	4,756.57	1,920.82
27 15 53 00-0030 MLF 1-1/2" Outdoor Innerduct, Installed In Conduit.....	6,107.33	2,401.02
27 15 53 00-0031 MLF 2" Outdoor Innerduct, Installed In Conduit .....	7,286.51	2,881.23
<b>27 15 53 00-0032 Outdoor Innerduct, Buried In Trench</b> <small>(27 15 53 00-0026)</small>		
27 15 53 00-0033 MLF 1" Outdoor Innerduct, Buried In Trench .....	2,779.23	
27 15 53 00-0034 MLF 1-1/4" Outdoor Innerduct, Buried In Trench .....	3,796.16	
27 15 53 00-0035 MLF 1-1/2" Outdoor Innerduct, Buried In Trench .....	5,146.92	
27 15 53 00-0036 MLF 2" Outdoor Innerduct, Buried In Trench .....	6,326.10	
<b>27 16 Communications Connecting Cords, Devices, and Adapters</b> <small>(27 10)</small>		
<b>27 16 16 Communications Media Converters, Adapters, and Transceivers</b> <small>(27 16)</small>		
<b>27 16 16 00-0001 Fiber Optic Receivers</b> <small>(27 16 16)</small>		
27 16 16 00-0002 EA Fiber Optic Receiver, Range 6.2 Miles .....	783.22	48.02
<b>27 16 16 00-0003 Fiber Optic Transmitters</b> <small>(27 16 16)</small>		
27 16 16 00-0004 EA Fiber Optic Transmitter, Range 6.2 Miles .....	783.21	48.02
<b>27 16 16 00-0005 Fiber Optic Repeaters</b> <small>(27 16 16)</small>		
Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0006 EA Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power .....	879.26	96.04
27 16 16 00-0007 EA Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power .....	1,375.22	192.09
<b>27 16 16 00-0008 Fiber Optic Transceivers</b> <small>(27 16 16)</small>		
27 16 16 00-0009 EA Fiber Optic Transceivers, 3,000 Miles Range .....	909.08	192.09
27 16 16 00-0010 EA Fiber Optic Transceivers, Digital 2,000 Miles Range .....	909.08	192.09
27 16 16 00-0011 EA Fiber Optic Ethernet Transceiver .....	1,196.14	288.12
27 16 16 00-0012 EA Transceiver (Low Cost Bi- Directional).....	438.61	72.03
<b>27 16 19 Communications Patch Cords, Station Cords, and Cross Connect Wire</b> <small>(27 16)</small>		
<b>27 16 19 00-0001 Cross Connect Wire</b> <small>(27 16 19)</small>		
Note: Up to 20' length.		
27 16 19 00-0002 EA 2-Pair Cross Connect Wire .....	15.42	
27 16 19 00-0003 EA 3-Pair Cross Connect Wire .....	20.65	
27 16 19 00-0004 EA 4-Pair Cross Connect Wire .....	25.83	
<b>27 16 19 00-0005 Fiber Optic Patch Cords</b> <small>(27 16 19)</small>		
<b>27 16 19 00-0006 Simplex Fiber Optic Patch Cables</b> <small>(27 16 19 00-0005)</small>		
<b>27 16 19 00-0007 Singlemode, Simplex Fiber Optic Patch Cables</b> <small>(27 16 19 00-0006)</small>		
27 16 19 00-0008 EA ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	51.67	
<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0009 EA ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable .....	41.52	
<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0010 EA ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	54.72	
<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0011 EA SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable .....	43.84	
<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0012 EA SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable .....	51.25	
<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0013 EA LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	50.43	
<i>For Each Additional Meter In Length, Add</i>	0.26	
<b>27 16 19 00-0014 Duplex Fiber Optic Patch Cables</b> <small>(27 16 19 00-0005)</small>		
<b>27 16 19 00-0015 Singlemode, Duplex Fiber Optic Patch Cables</b> <small>(27 16 19 00-0014)</small>		
27 16 19 00-0016 EA ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable .....	92.52	
<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0017 EA ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable .....	89.65	
<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0018 EA ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable .....	99.84	
<i>For Each Additional Meter In Length, Add</i>	0.51	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0019 EA SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable .....	76.87	
<i>For Each Additional Meter In Length, Add</i>	<i>0.51</i>	
27 16 19 00-0020 EA SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable .....	91.67	
<i>For Each Additional Meter In Length, Add</i>	<i>0.51</i>	
27 16 19 00-0021 EA LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable .....	90.05	
<i>For Each Additional Meter In Length, Add</i>	<i>0.51</i>	
<b>27 16 19 00-0022 Multimode, Duplex Fiber Optic Patch Cables</b> <small>(27 16 19 00-0014)</small>		
27 16 19 00-0023 EA ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	69.03	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
27 16 19 00-0024 EA ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable .....	75.67	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
27 16 19 00-0025 EA ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	76.35	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
27 16 19 00-0026 EA ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	78.49	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
27 16 19 00-0027 EA SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	69.31	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
27 16 19 00-0028 EA SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable .....	78.86	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
27 16 19 00-0029 EA SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable .....	93.27	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
27 16 19 00-0030 EA MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	63.19	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
27 16 19 00-0031 EA LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	77.62	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
<b>27 16 19 00-0032 Fiber Optic Cable Pig Tail</b> <small>(27 16 19)</small>		
27 16 19 00-0033 EA Simplex Fiber Optic Cable Pig Tail .....	71.31	33.61
27 16 19 00-0034 EA Duplex Fiber Optic Cable Pig Tail .....	95.41	33.61
<b>27 16 19 00-0035 Ethernet Patch Cords</b> <small>(27 16 19)</small>		
27 16 19 00-0036 EA 3' Category 5E Patch Cables With Boots.....	17.02	
27 16 19 00-0037 EA 5' Category 5E Patch Cables With Boots.....	18.83	
27 16 19 00-0038 EA 7' Category 5E Patch Cables With Boots.....	20.66	
27 16 19 00-0039 EA 10' Category 5E Patch Cables With Boots.....	29.93	
27 16 19 00-0040 EA 15' Category 5E Patch Cables With Boots.....	37.27	
27 16 19 00-0041 EA 25' Category 5E Patch Cables With Boots.....	51.06	
27 16 19 00-0042 EA 3' Category 6 Patch Cables With Boots.....	19.17	
27 16 19 00-0043 EA 5' Category 6 Patch Cables With Boots.....	23.77	
27 16 19 00-0044 EA 7' Category 6 Patch Cables With Boots.....	23.86	
27 16 19 00-0045 EA 10' Category 6 Patch Cables With Boots.....	27.74	
27 16 19 00-0046 EA 15' Category 6 Patch Cables With Boots.....	36.58	
27 16 19 00-0047 EA 25' Category 6 Patch Cables With Boots.....	47.33	
27 16 19 00-0048 EA 50' Category 6 Patch Cables With Boots.....	77.56	
27 16 19 00-0049 EA 100' Category 6 Patch Cables With Boots.....	136.64	
27 16 19 00-0050 EA 3' Length, Category 6, Exterior Grade Patch Cable With Boots.....	46.72	
27 16 19 00-0051 EA 5' Length, Category 6, Exterior Grade Patch Cable With Boots.....	51.86	
27 16 19 00-0052 EA 7' Length, Category 6, Exterior Grade Patch Cable With Boots.....	56.99	
27 16 19 00-0053 EA 10' Length, Category 6, Exterior Grade Patch Cable With Boots.....	67.09	
27 16 19 00-0054 EA 15' Length, Category 6, Exterior Grade Patch Cable With Boots.....	82.34	
27 16 19 00-0055 EA 25' Length, Category 6, Exterior Grade Patch Cable With Boots.....	108.00	
27 16 19 00-0056 EA 50' Length, Category 6, Exterior Grade Patch Cable With Boots.....	172.15	
27 16 19 00-0057 EA 100' Length, Category 6, Exterior Grade Patch Cable With Boots.....	305.27	
27 16 19 00-0058 EA 3' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®) .....	113.60	
<i>Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.</i>		
27 16 19 00-0059 EA 5' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®) .....	122.36	
<i>Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.</i>		
27 16 19 00-0060 EA 7' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®) .....	131.08	
<i>Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.</i>		
27 16 19 00-0061 EA 10' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®) .....	139.41	
<i>Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.</i>		
27 16 19 00-0062 EA 15' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®) .....	150.25	
<i>Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.</i>		
27 16 19 00-0063 EA 20' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®) .....	158.89	
<i>Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.</i>		
27 16 19 00-0064 EA 1' Category 6A Patch Cord .....	14.19	
27 16 19 00-0065 EA 2' Category 6A Patch Cord .....	14.86	
27 16 19 00-0066 EA 1 Meter Category 6A Patch Cord.....	15.47	
27 16 19 00-0067 EA 2 Meter Category 6A Patch Cord.....	21.91	
27 16 19 00-0068 EA 3 Meter Category 6A Patch Cord.....	26.73	
27 16 19 00-0069 EA 3' Category 6A Patch Cables With Boots.....	37.86	
27 16 19 00-0070 EA 5' Category 6A Patch Cables With Boots.....	40.59	
27 16 19 00-0071 EA 7' Category 6A Patch Cables With Boots.....	42.64	
27 16 19 00-0072 EA 10' Category 6A Patch Cables With Boots.....	48.09	
27 16 19 00-0073 EA 15' Category 6A Patch Cables With Boots.....	57.98	
27 16 19 00-0074 EA 25' Category 6A Patch Cables With Boots.....	75.59	
27 16 19 00-0075 EA 50' Category 6A Patch Cables With Boots.....	115.09	
27 16 19 00-0076 EA 100' Category 6A Patch Cables With Boots.....	204.93	

**27 Communications****27 10 Structured Cabling****27 16 Communications Connecting Cords, Devices, and Adapters**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 16 19 00-0077	EA	3' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E03-06)	17.02	
27 16 19 00-0078	EA	5' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E05-06)	18.83	
27 16 19 00-0079	EA	7' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E07-06)	20.66	
27 16 19 00-0080	EA	10' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E10-06)	29.93	
27 16 19 00-0081	EA	15' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E15-06)	37.27	
27 16 19 00-0082	EA	25' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E25-06)	51.06	
27 16 19 00-0083	EA	3' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC603-06)	19.17	
27 16 19 00-0084	EA	5' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC605-06)	23.77	
27 16 19 00-0085	EA	7' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC607-06)	23.86	
27 16 19 00-0086	EA	10' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC610-06)	27.74	
27 16 19 00-0087	EA	15' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC615-06)	36.58	
27 16 19 00-0088	EA	25' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC625-06)	47.33	
27 16 19 00-0089	EA	3' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A03-09)	37.86	
27 16 19 00-0090	EA	5' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A05-09)	40.59	
27 16 19 00-0091	EA	7' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A07-09)	42.64	
27 16 19 00-0092	EA	10' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A10-09)	48.09	
27 16 19 00-0093	EA	15' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A15-09)	57.98	
27 16 19 00-0094	EA	25' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A25-09)	75.59	

**27 20 Data Communications** <sup>(27)</sup>**27 21 Data Communications Network Equipment** <sup>(27 20)</sup>

Note: Includes testing of new devices and certification.

**27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems**

27 21 16 00-0001		Network Equipment <sup>(27 21 16)</sup>		
27 21 16 00-0002		Grounding Bus Bars <sup>(27 21 16 00-0001)</sup>		
27 21 16 00-0003	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar (Chatsworth 13622-012)	181.05	25.99
27 21 16 00-0004	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar (Chatsworth 40153-012)	354.98	25.99

**27 21 16 00-0005 Vertical Cable Management** <sup>(27 21 16 00-0001)</sup>

27 21 16 00-0006	EA	3-1/4" Width Channel, 16 Gates, 19" Width x 84" Height, Relay Rack With Cable Channels (Hubbell CR1973)	905.02	48.12
27 21 16 00-0007	EA	6" Width Channel, 32 Gates, 19" Width x 84" Height, Relay Rack With Cable Channels (Hubbell CR1976)	990.71	48.12
27 21 16 00-0008	EA	3-1/4" Width, 4' Height, 4 Gates, Vertical Cable Organizer (Hubbell VC43)	182.56	24.06
27 21 16 00-0009	EA	4-1/2" Width, 4' Height, 8 Gates, Vertical Cable Organizer (Hubbell VC44)	306.67	24.06
27 21 16 00-0010	EA	6" Width, 4' Height, 8 Gates, Vertical Cable Organizer (Hubbell VC46)	318.49	24.06
27 21 16 00-0011	EA	3-1/4" Width, 7' Height, 8 Gates, Vertical Cable Organizer (Hubbell VC73)	220.39	24.06
27 21 16 00-0012	EA	4-1/2" Width, 7' Height, 16 Gates, Vertical Cable Organizer (Hubbell VC74)	373.15	24.06
27 21 16 00-0013	EA	6" Width, 7' Height, 16 Gates, Vertical Cable Organizer (Hubbell VC76)	373.15	24.06
27 21 16 00-0014	EA	Cover For 3-1/4" Width, 4' Height, Vertical Cable Organizer (Hubbell VCC3)	57.94	4.81
27 21 16 00-0015	EA	Cover For 4-1/2" Width, 4' Height, Vertical Cable Organizer (Hubbell VCC4)	65.18	4.81
27 21 16 00-0016	EA	Cover For 6" Width, 4' Height, Vertical Cable Organizer (Hubbell VCC6)	72.27	4.81
27 21 16 00-0017	LF	Low Voltage Communication, Aluminum Surface Raceway (Panduit Pan-Pole)	40.32	7.01

Note: Exposed installations on masonry, concrete masonry unit (CMU) or drywall walls or ceilings.

**27 21 16 00-0018 Horizontal Cable Management** <sup>(27 21 16 00-0001)</sup>

27 21 16 00-0019	EA	19" Width, 1-3/4" Height, 3-1/2" Ring Depth, Cable Management Duct Panel (Hubbell HC119MS3N)	115.77	19.24
27 21 16 00-0020	EA	19" Width, 3-1/2" Height, 1-3/4" Ring Depth, Cable Management Duct Panel (Hubbell HC219MS1N)	115.77	19.24
27 21 16 00-0021	EA	19" Width, 3-1/2" Height, 3-1/2" Ring Depth, Cable Management Duct Panel (Hubbell HC219MS3N)	119.76	19.24
27 21 16 00-0022	EA	23" Width, 3-1/2" Height, 1-3/4" Ring Depth, Cable Management Duct Panel (Hubbell HC223MS1N)	190.67	19.24
27 21 16 00-0023	EA	19" Width, 1-3/4" Height, 1-3/4" Ring Depth, Enhanced Cable Management Duct Panel (Hubbell HC119CE1N)	170.58	19.24
27 21 16 00-0024	EA	19" Width, 3-1/2" Height, 1-3/4" Ring Depth, Enhanced Cable Management Duct Panel (Hubbell HC219CE1N)	162.31	19.24
27 21 16 00-0025	EA	19" Width, 3-1/2" Height, 3-1/2" Ring Depth, Enhanced Cable Management Duct Panel (Hubbell HC219CE3N)	154.62	19.24
27 21 16 00-0026	EA	19" Width, 3-1/2" Height, 6" Ring Depth, Enhanced Cable Management Duct Panel (Hubbell HC219CE6N)	202.49	19.24
27 21 16 00-0027	EA	19" Width, 3-1/2" Height, 3-1/2" Ring Depth, Enhanced Cable Management Duct Panel With Rear Wire Frame, Cover And Pass Through Holes (Hubbell HC219CC3N)	211.36	19.24
27 21 16 00-0028	EA	19" Width, 3-1/2" Height, 3-1/2" Ring Depth, Enhanced Cable Management Duct Panel With Rear Wire Frame (Hubbell HC219CR3N)	193.63	19.24
27 21 16 00-0029	EA	19" Width, 5-1/4" Height, 6" Ring Depth, Enhanced Cable Management Duct Panel With Rear Wire Frame (Hubbell HC319CE6N)	223.18	19.24
27 21 16 00-0030	EA	1-3/4" Depth, Cable Management Spool (Hubbell HCSPL110)	15.10	5.78
27 21 16 00-0031	EA	3-1/2" Depth, Cable Management Spool (Hubbell HCSPL310)	15.88	5.78
27 21 16 00-0032	EA	6" Depth, Cable Management Spool (Hubbell HCSPL610)	17.06	5.78
27 21 16 00-0033	PR	3-1/2" Depth, Vertical Management Rings (Hubbell HC23VR2)	82.17	5.78
27 21 16 00-0034	PR	6" Depth, Vertical Management Rings (Hubbell HC23VR2)	93.84	5.78

**27 21 16 00-0035 Fiber Patch Panels** <sup>(27 21 16 00-0001)</sup>

27 21 16 00-0036	EA	12 FSP Panel Capacity, Rack Mounted Fiber Patch Panel (Hubbell FCR525SPR)	804.39	96.04
27 21 16 00-0037	EA	12 Capacity, 6 LC Duplex, Preloaded Standard Adapter Panel (Hubbell FSPLC6)	254.12	48.02
27 21 16 00-0038	EA	12 Capacity, 3 LC Quad, Preloaded Standard Adapter Panel (Hubbell FSPLCQ3)	232.55	48.02
27 21 16 00-0039	EA	24 Capacity, 6 LC Quad, Preloaded High Density Adapter Panel (Hubbell FSPLCQ6)	360.50	48.02
27 21 16 00-0040	EA	6 Capacity, 6 FC/PC, Preloaded Standard Split Sleeve Adapter Panel (Hubbell FSPFC6)	258.56	48.02
27 21 16 00-0041	EA	6 Capacity, 6 SC Simplex, Preloaded Standard APC Adapter Panel (Hubbell FSPSCA6)	268.90	48.02
27 21 16 00-0042	EA	8 Capacity, 6 SC Simplex, Preloaded High Density APC Adapter Panel (Hubbell FSPSCA8)	325.04	48.02
27 21 16 00-0043	EA	Blank Plate For Adapter Panels (Hubbell FSPB)	33.83	9.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0044 EA 6 Capacity, SC Simplex Or MT-RJ, Unloaded Standard FSP Adapter Panel (Hubbell FSPMTRJ6X).....	113.77	48.02
27 21 16 00-0045 EA 8 Capacity, SC Simplex Or MT-RJ, Unloaded High Density FSP Adapter Panel (Hubbell FSPMTRJ8X).....	113.77	48.02
27 21 16 00-0046 EA 6 Capacity, SC Duplex Or LC Quad, Unloaded Standard FSP Adapter Panel (Hubbell FSPSCD3X).....	113.77	48.02
27 21 16 00-0047 EA 8 Capacity, SC Duplex Or LC Quad, Unloaded High Density FSP Adapter Panel (Hubbell FSPSCD6X).....	113.77	48.02
27 21 16 00-0048 EA 6 Capacity, ST Style, Unloaded Standard FSP Adapter Panel (Hubbell FSPST6X).....	112.14	48.02
27 21 16 00-0049 EA 8 Capacity, ST Style, Unloaded High Density FSP Adapter Panel (Hubbell FSPST8X).....	113.77	48.02
27 21 16 00-0050 EA 6 Capacity, LC Duplex, Unloaded Standard FSP Adapter Panel (Hubbell FSPSC6X).....	113.77	48.02
27 21 16 00-0051 EA 4 Capacity, HD And HXJ Jacks, Unloaded FSP Adapter Panel (Hubbell FSPHD4X).....	132.53	48.02
<b>27 21 16 00-0052 Equipment Racks</b> (2721 16 00-0001)		
27 21 16 00-0053 EA 19" Width x 84" Height, 2-Post Equipment Rack (Hubbell HPW84RR19).....	386.47	48.12
27 21 16 00-0054 EA 19" Width x 29" Depth x 84" Height, 4-Post Equipment Rack (Chatsworth Quadrarack).....	1,863.96	72.18
<b>27 21 16 00-0055 Category 6 Patch Panels</b> (2721 16 00-0001)		
27 21 16 00-0056 EA 24 Port, Category 6 Patch Panel (Hubbell P624U).....	369.85	31.28
Note: Excludes cabinet and terminations.		
<i>For Rear Cable Management Bar, Add</i>		
	38.71	
27 21 16 00-0057 EA 48 Port, Category 6 Patch Panel (Hubbell P648U).....	691.59	38.50
Note: Excludes cabinet and terminations.		
<i>For Rear Cable Management Bar, Add</i>		
	38.71	
27 21 16 00-0058 EA 96 Port, Category 6 Patch Panel (Hubbell P696U).....	1,287.79	52.94
Note: Excludes cabinet and terminations.		
<i>For Rear Cable Management Bar, Add</i>		
	38.71	
27 21 16 00-0059 EA Category 6, 4-Pair, Connecting Block (Hubbell 6110CB4PR10).....	4.91	0.96
<b>27 21 16 00-0060 Faceplates And Modular Connectors</b> (2721 16 00-0001)		
27 21 16 00-0061 EA Single Gang, Keystone Opening, Flush, Stainless Steel Phone Faceplate (Hubbell P630S1G).....	22.69	0.96
Note: Requires one snap-in jack module.		
27 21 16 00-0062 EA Single Gang, RJ25 Jack, Flush, Stainless Steel Phone Faceplate (Hubbell P630S1GJ6).....	29.95	0.96
27 21 16 00-0063 EA Single Gang, RJ45 Jack, Flush, Stainless Steel Phone Faceplate (Hubbell P630S1GJ8).....	33.57	0.96
27 21 16 00-0064 EA Single Gang, Keystone Opening, Recessed, Stainless Steel Phone Faceplate (Hubbell P630SR1G).....	21.49	0.96
Note: Requires one snap-in jack module.		
27 21 16 00-0065 EA Single Gang, RJ25 Jack, Recessed, Stainless Steel Phone Faceplate (Hubbell P630SR1GJ6).....	24.84	0.96
27 21 16 00-0066 EA Single Gang, RJ45 Jack, Recessed, Stainless Steel Phone Faceplate (Hubbell P630SR1GJ8).....	28.60	0.96
27 21 16 00-0067 EA Cat 6, Snap In Module (Hubbell HXJ6A).....	26.08	2.40
27 21 16 00-0068 EA LC Fiber Connection, Snap In Module (Hubbell SFLC).....	29.19	2.40
<b>27 21 16 00-0069 Copper Communications Cabling</b> (2721 16 00-0001)		
Note: Excludes conduit or innerduct.		
<b>27 21 16 00-0070 Outdoor, Copper Communications Cabling</b> (2721 16 00-0069)		
27 21 16 00-0071 CLF 25-Pair, 24 AWG, ETPR Filled, Outdoor, Copper Communications Cable.....	201.07	57.62
27 21 16 00-0072 CLF 50-Pair, 24 AWG, ETPR Filled, Outdoor, Copper Communications Cable.....	323.96	80.68
27 21 16 00-0073 CLF 100-Pair, 24 AWG, ETPR Filled, Outdoor, Copper Communications Cable.....	459.95	80.68
27 21 16 00-0074 CLF 200-Pair, 24 AWG, ETPR Filled, Outdoor, Copper Communications Cable.....	801.12	103.72
<b>27 21 16 00-0075 Indoor, Copper Communications Cabling</b> (2721 16 00-0069)		
<b>27 21 16 00-0076 Indoor, Plenum Rated, Copper Communications Cabling</b> (2721 16 00-0075)		
27 21 16 00-0077 CLF 25-Pair, 24 AWG, Plenum Rated, Indoor, Copper Communications Cable.....	338.74	57.62
27 21 16 00-0078 CLF 50-Pair, 24 AWG, Plenum Rated, Indoor, Copper Communications Cable.....	396.65	80.68
27 21 16 00-0079 CLF 100-Pair, 24 AWG, Plenum Rated, Indoor, Copper Communications Cable.....	642.89	80.68
27 21 16 00-0080 CLF 200-Pair, 24 AWG, Plenum Rated, Indoor, Copper Communications Cable.....	1,214.54	103.72
<b>27 21 16 00-0081 Fiber Optic Modems</b> (2721 16)		
27 21 16 00-0082 EA Fiber Optic Modems, Range 6.2 Miles.....	1,529.45	192.09
27 21 16 00-0083 EA Fiber Optic Modem, Range 3.1 Miles, 12 Channel.....	2,961.06	192.09
<b>27 21 16 00-0084 Ethernet Hubs and Switches</b> (2721 16)		
27 21 16 00-0085 EA 16 Port Managed Hub With Fiberport And Standard Management.....	3,892.45	144.36
27 21 16 00-0086 EA 16 Port Unmanaged Hub.....	534.96	96.24
27 21 16 00-0087 EA 12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E).....	5,414.16	96.24
27 21 16 00-0088 EA Power Supply (Cisco PWR-IE170W-PC-AC).....	1,592.95	48.12
<b>27 21 16 00-0089 Network Equipment</b> (2721 16)		
<b>27 21 16 00-0090 Communications Entrance Protection</b> (2721 16 00-0089)		
27 21 16 00-0091 EA 100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C).....	1,093.35	72.18
Note: Excludes terminations.		
27 21 16 00-0092 EA Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S).....	13.14	0.96
<b>27 21 16 00-0093 Communications Cabinets, Racks, Frames And Enclosures</b> (2721 16 00-0089)		

<b>27</b>	<b>Communications</b>
<b>27 20</b>	<b>Data Communications</b>
<b>27 21</b>	<b>Data Communications Network Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0094 EA 19" Width x 36" Height x 24" Depth, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736).....	1,336.35	72.18
For Fan Kit (Chatsworth 12804-701), Add	191.48	
27 21 16 00-0095 EA 10 Outlet, 125 Volt, 20 Amperes, Telecommunications Cabinet Power Strip (Chatsworth 13239-757).....	1,254.00	4.81
<b>27 21 16 00-0096 Communications Termination Blocks And Patch Panels (27 21 16 00-0089)</b>		
<b>27 21 16 00-0097 Communications Termination Blocks (27 21 16 00-0096)</b>		
27 21 16 00-0098 EA 4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810).....	332.24	14.41
27 21 16 00-0099 EA 5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802).....	308.75	14.41
27 21 16 00-0100 EA 4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869).....	749.19	14.41
27 21 16 00-0101 EA 5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851).....	696.35	14.41
27 21 16 00-0102 EA 110 Connector System Mounting Brackets (CommScope 107535593).....	99.67	14.41
27 21 16 00-0103 EA 110 Connector System Mounting Brackets (CommScope 107535585).....	108.21	14.41
27 21 16 00-0104 EA 110 Connector System Mounting Brackets (CommScope 107098816).....	124.19	14.41
<b>27 21 16 00-0105 Communications Copper Patch Panels (27 21 16 00-0096)</b>		
Note: Excludes cabinet and terminations.		
27 21 16 00-0106 EA 24 Port, Category 5E Patch Panel (CommScope 108208919).....	320.56	31.28
27 21 16 00-0107 EA 48 Port, Category 5E Patch Panel (CommScope 108208935).....	593.01	38.50
27 21 16 00-0108 EA 24 Port, Category 6 Patch Panel (CommScope 760062372).....	481.52	31.28
27 21 16 00-0109 EA 48 Port, Category 6 Patch Panel (CommScope 760062380).....	908.24	38.50
<b>27 21 16 00-0110 Communications Optical Fiber Patch Panels (27 21 16 00-0096)</b>		
<b>27 21 16 00-0111 Closet Connector Housings (27 21 16 00-0110)</b>		
27 21 16 00-0112 EA 48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U).....	484.63	19.24
Note: Accepts up to 2 closet connector housing panels. Excludes panels.		
27 21 16 00-0113 EA 96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U).....	569.01	19.24
Note: Accepts up to 4 closet connector housing panels. Excludes panels.		
27 21 16 00-0114 EA 288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U).....	714.50	19.24
Note: Accepts up to 12 closet connector housing panels. Excludes panels.		
27 21 16 00-0115 EA SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91).....	115.90	9.63
27 21 16 00-0116 EA SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59).....	159.14	9.63
27 21 16 00-0117 EA SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56).....	131.17	9.63
27 21 16 00-0118 EA SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C).....	173.12	9.63
<b>27 21 16 00-0119 Communications Cable Management (27 21 16 00-0089)</b>		
<b>27 21 16 00-0120 Horizontal Communication Cable Management (27 21 16 00-0119)</b>		
27 21 16 00-0121 EA 1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE).....	145.44	19.24
27 21 16 00-0122 EA 3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E).....	150.99	19.24
<b>27 21 16 00-0123 Vertical Communication Cable Management (27 21 16 00-0119)</b>		
27 21 16 00-0124 EA 6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703).....	937.49	48.12
27 21 16 00-0125 EA 19" Width x 84" Height, Universal Rack (Chatsworth 48353-703).....	973.37	48.12
27 21 16 00-0126 EA 23" Width x 84" Height, Universal Rack (Chatsworth 48383-703).....	1,054.10	48.12
<b>27 21 16 00-0127 Communications Patch Cords, Station Cords, And Cross Connect Wire (27 21 16 00-0089)</b>		
<b>27 21 16 00-0128 Premise Cross-Connect Wire (27 21 16 00-0127)</b>		
27 21 16 00-0129 LF 1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973).....	1.00	0.48
<b>27 21 16 00-0130 Pathways For Communications Systems (27 21 16 00-0089)</b>		
<b>27 21 16 00-0131 Conduits And Backboxes For Communication Systems (27 21 16 00-0130)</b>		
<b>27 21 16 00-0132 Flexible Conduit For Communication Systems (27 21 16 00-0131)</b>		
27 21 16 00-0133 CLF 1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlton DF4X1C).....	465.57	172.87
27 21 16 00-0134 CLF 1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlton CF4X1C).....	755.45	172.87
<b>27 21 16 00-0135 Tube Cables For Communication Systems (27 21 16 00-0131)</b>		
<b>27 21 16 00-0136 Outdoor/All-Dielectric Tube Cables (27 21 16 00-0135)</b>		
27 21 16 00-0137 CLF Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TRX).....	376.33	115.25
27 21 16 00-0138 CLF Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX).....	574.92	144.06
27 21 16 00-0139 CLF Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX).....	987.88	172.87
<b>27 21 16 00-0140 Indoor/Riser Rated Tube Cables (27 21 16 00-0135)</b>		
27 21 16 00-0141 CLF Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX).....	440.11	115.25
27 21 16 00-0142 CLF Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX).....	543.83	129.65
27 21 16 00-0143 CLF Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX).....	619.21	144.06
27 21 16 00-0144 CLF Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX).....	1,188.07	172.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 21 16 00-0145</b> <b>Indoor/Plenum Rated Tube Cables</b> <small>(27 21 16 00-0135)</small>		
27 21 16 00-0146    CLF Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX) .....	307.24	115.25
27 21 16 00-0147    CLF Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2) .....	470.22	115.25
27 21 16 00-0148    CLF Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2) .....	749.33	129.65
27 21 16 00-0149    CLF Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2) .....	1,113.47	144.06
27 21 16 00-0150    CLF Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2) .....	3,606.23	172.87
<b>27 21 16 00-0151</b> <b>Unjacketed Single Tube Cables</b> <small>(27 21 16 00-0135)</small>		
27 21 16 00-0152    CLF Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX) .....	257.64	115.25
<b>27 21 16 00-0153</b> <b>Multimode Fiber Bundles</b> <small>(27 21 16 00-0135)</small>		
Note: Includes optical fiber cables.		
27 21 16 00-0154    CLF 2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6) .....	117.85	34.58
27 21 16 00-0155    CLF 4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6) .....	186.94	34.58
27 21 16 00-0156    CLF 6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6) .....	261.35	34.58
27 21 16 00-0157    CLF 12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6) .....	488.11	34.58
27 21 16 00-0158    CLF 18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6) .....	712.07	40.33
27 21 16 00-0159    CLF 24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6) .....	938.83	40.33
<b>27 21 16 00-0160</b> <b>Singlemode Fiber Bundles</b> <small>(27 21 16 00-0135)</small>		
Note: Includes optical fiber cables.		
27 21 16 00-0161    CLF 2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX) .....	103.68	34.58
27 21 16 00-0162    CLF 4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX) .....	133.80	34.58
27 21 16 00-0163    CLF 6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX) .....	158.60	34.58
27 21 16 00-0164    CLF 12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX) .....	206.43	34.58
27 21 16 00-0165    CLF 18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX) .....	322.33	40.33
27 21 16 00-0166    CLF 24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX) .....	430.40	40.33
<b>27 21 16 00-0167</b> <b>Tube Distribution Cabinets</b> <small>(27 21 16 00-0135)</small>		
27 21 16 00-0168    EA Modular Tube Distribution Cabinet (Sumitomo DE06MDU) .....	234.01	48.12
Note: Up to six 7-tube cables or two 19-tube cables.		
<b>27 21 16 00-0169</b> <b>Modular Fiber Termination Cabinets</b> <small>(27 21 16 00-0135)</small>		
27 21 16 00-0170    EA 24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM) .....	303.48	48.12
27 21 16 00-0171    EA 48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM) .....	325.44	48.12
<b>27 21 16 00-0172</b> <b>Tube Distribution Accessories</b> <small>(27 21 16 00-0135)</small>		
27 21 16 00-0173    EA Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA) .....	12.09	4.81
27 21 16 00-0174    EA Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2) .....	13.63	4.81
27 21 16 00-0175    EA Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB) .....	17.60	4.81
<b>27 21 16 00-0176</b> <b>Communications Optical Fiber Cabling</b> <small>(27 21 16 00-0089)</small>		
<b>27 21 16 00-0177</b> <b>Communications Optical Fiber Cable Splicing And Terminations</b> <small>(27 21 16 00-0176)</small>		
<b>27 21 16 00-0178</b> <b>Field Installed Fiber Connectors</b> <small>(27 21 16 00-0177)</small>		
27 21 16 00-0179    EA SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42) .....	39.38	7.21
27 21 16 00-0180    EA SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41) .....	34.30	7.21
<b>27 21 16 00-0181</b> <b>Buffer Tube Fan-Out Kits</b> <small>(27 21 16 00-0177)</small>		
<b>27 21 16 00-0182</b> <b>Buffer Tube Breakout Kits (Sumitomo)</b> <small>(27 21 16 00-0181)</small>		
Note: Includes 900 micron tubing.		
27 21 16 00-0183    EA 2-Fiber Breakout Kit (Sumitomo FTFLD02) .....	213.35	96.04
27 21 16 00-0184    EA 4-Fiber Breakout Kit (Sumitomo FTFLD04) .....	218.66	96.04
27 21 16 00-0185    EA 6-Fiber Breakout Kit (Sumitomo FTFLD06) .....	223.36	96.04
27 21 16 00-0186    EA 12-Fiber Breakout Kit (Sumitomo FTFLD12) .....	237.94	96.04
27 21 16 00-0187    EA 18-Fiber Breakout Kit (Sumitomo FTFLD18) .....	257.89	96.04
27 21 16 00-0188    EA 24-Fiber Breakout Kit (Sumitomo FTFLD24) .....	272.70	96.04
<b>27 21 16 00-0189</b> <b>Buffer Tube Fan-Out Kits (Corning)</b> <small>(27 21 16 00-0181)</small>		
27 21 16 00-0190    EA 12 Fiber, 25' Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12) .....	215.81	96.04
27 21 16 00-0191    EA 12 Fiber, 25' Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12) .....	268.44	96.04
<b>27 21 16 00-0192</b> <b>Communications Copper Cabling</b> <small>(27 21 16 00-0089)</small>		
<b>27 21 16 00-0193</b> <b>Copper Communications Cable Splicing And Terminations</b> <small>(27 21 16 00-0192)</small>		
<b>27 21 16 00-0194</b> <b>Copper Communications Cable Splice Cases</b> <small>(27 21 16 00-0193)</small>		

<b>27</b>	<b>Communications</b>
<b>27 20</b>	<b>Data Communications</b>
<b>27 21</b>	<b>Data Communications Network Equipment</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0195	EA		6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626) .....	1,091.38	192.09
27 21 16 00-0196	EA		9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630) .....	1,293.50	192.09
27 21 16 00-0197	EA		12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219) .....	1,965.16	192.09
<b>27 21 16 00-0198</b>			<b>Modular Splice Connectors</b> (27 21 16 00-0193)		
27 21 16 00-0199	EA		25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25) .....	105.85	48.02
27 21 16 00-0200	EA		25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25) .....	103.66	48.02
27 21 16 00-0201	EA		25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25) .....	105.89	48.02
27 21 16 00-0202	EA		25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25) .....	105.59	48.02
<b>27 21 26</b>			<b>Data Communications Network Management</b> (27 21)		
<b>27 21 26 00-0001</b>			<b>Data Communications Network Management</b> (27 21 26)		
27 21 26 00-0002	EA		3 Port, Terminal/Serial Device Server (Control 99560-9) .....	655.88	24.01
27 21 26 00-0003	EA		2 Port, Terminal/Serial Device Server (Control 99550-0) .....	501.03	24.01
27 21 26 00-0004	EA		4 Port, DB9 Terminal/Serial Device Server (Control 99445-9) .....	705.61	24.01
27 21 26 00-0005	EA		4 Port, DB9 Terminal/Serial Device Server (Control 99448-0) .....	1,115.83	24.01
27 21 26 00-0006	EA		24 Watt, Din Rail Mountable, Power Adapter (Control PS1020) .....	101.97	
27 21 26 00-0007	EA		Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2) .....	490.49	14.41
27 21 26 00-0008	EA		Sennetech Code Translator (Pelco SCT_100_AD232) .....	804.38	24.01
27 21 26 00-0009	EA		VPN Router (Cisco 819HG) .....	4,535.11	307.96
27 21 26 00-0010	EA		Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC) .....	3,130.88	307.96
27 21 26 00-0011	EA		WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+) .....	17,823.33	115.25
27 21 26 00-0012	EA		SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis, 2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV) .....	578.70	
27 21 26 00-0013	EA		Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8) .....	12,301.63	115.25
27 21 26 00-0014	EA		Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2) .....	27,032.24	115.25
27 21 26 00-0015	EA		Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E) .....	639.20	9.63
27 21 26 00-0016	EA		Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV) .....	4,699.57	12.00
27 21 26 00-0017	EA		Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2) .....	4,074.91	12.00
27 21 26 00-0018	EA		13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US) .....	70.55	4.81
27 21 26 00-0019	EA		1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=) .....	210.26	48.02
27 21 26 00-0020	EA		Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850-24TS) .....	3,352.54	115.25
27 21 26 00-0021	EA		SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS) .....	761.43	
27 21 26 00-0022	EA		North America AC Type A Power Cable (Cisco CAB-TA-NA) .....	21.90	4.81
27 21 26 00-0023	EA		350 Watt AC Power Supply (Cisco PWR-C1-350WAC) .....	311.84	12.00
27 21 26 00-0024	EA		Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G) .....	785.51	12.03
27 21 26 00-0025	EA		1' (30cm), Catalyst 3750X Stack Power Cable (Cisco CAB-SFWR-30CM) .....	113.55	4.81
27 21 26 00-0026	EA		Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC) .....	4,050.17	115.25
27 21 26 00-0027	EA		SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/100 (Cisco CON-SNT-301016S8) .....	764.48	
27 21 26 00-0028	EA		IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA) .....	671.24	12.00
27 21 26 00-0029	EA		IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IA/R) .....	681.90	12.00
27 21 26 00-0030	EA		4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC) .....	1,367.57	115.25
27 21 26 00-0031	EA		Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC) .....	366.71	12.03
27 21 26 00-0032	EA		4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM) .....	1,744.94	12.03
27 21 26 00-0033	EA		Router (CISCO IR829) .....	1,543.00	48.12
<b>27 21 29</b>			<b>Data Communications Switches and Hubs</b> (27 21)		
<b>27 21 29 00-0001</b>			<b>Data Communications Multimedia Modular Patch Panels</b> (27 21 29)		
			Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 15 43 00-0056 for modular jacks.		
27 21 29 00-0002	EA		12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded .....	133.94	4.80
27 21 29 00-0003	EA		16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded .....	148.37	4.80
27 21 29 00-0004	EA		24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded .....	176.28	4.80
27 21 29 00-0005	EA		36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded .....	184.85	4.80
27 21 29 00-0006	EA		48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded .....	201.36	6.01
27 21 29 00-0007	EA		24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded .....	191.96	4.80
27 21 29 00-0008	EA		48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded .....	240.92	6.01
27 21 29 00-0009	EA		Rack Mount Rear Cable Management Bar .....	61.80	6.01
<b>27 21 33</b>			<b>Data Communications Wireless Access Points</b> (27 21)		
<b>27 21 33 00-0001</b>			<b>Data Communications Wireless Access Points</b> (27 21 33)		
27 21 33 00-0002	EA		Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU) .....	4,737.05	144.06
27 21 33 00-0003	EA		Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1) .....	11,479.84	144.06
27 21 33 00-0004	EA		Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9) .....	11,479.84	144.06
27 21 33 00-0005	EA		Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA) .....	1,810.65	144.06
27 21 33 00-0006	EA		Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR) .....	2,140.35	167.30
27 21 33 00-0007	EA		Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G) .....	6,112.92	167.30
27 21 33 00-0008	EA		Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G) .....	9,323.80	167.30
27 21 33 00-0009	EA		Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G) .....	9,323.80	167.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 33 00-0010 EA 50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50).....	1,903.80	55.76
27 21 33 00-0011 EA 100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100).....	1,930.76	55.76
27 21 33 00-0012 EA Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G).....	170.40	27.89
27 21 33 00-0013 EA FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG-ARM).....	1,675.19	
27 21 33 00-0014 EA 1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR).....	574.23	48.02
27 21 33 00-0015 EA Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S22-WH).....	471.82	48.02
27 21 33 00-0016 EA Cell LTE MIMO Antenna (Sierra Wireless 1810075).....	78.32	19.20
27 21 33 00-0017 EA AirLink GX400 Power Adapter (Sierra Wireless 2700384).....	75.09	
27 21 33 00-0018 EA AirLink GX400 Power Cable (Sierra Wireless 2000380).....	42.82	
27 21 33 00-0019 EA Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL).....	293.92	48.02
27 21 33 00-0020 EA Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL).....	295.90	48.02
27 21 33 00-0021 EA 2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D).....	412.69	48.12
27 21 33 00-0022 EA Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS).....	1,067.55	72.18
27 21 33 00-0023 EA Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged).....	1,375.80	72.18
27 21 33 00-0024 EA Magnetic Mount Cellular Antenna (Wilson Electronics 301125).....	71.98	14.41
27 21 33 00-0025 EA Yagi Antenna, 890-960 MHz, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K).....	276.72	55.76
27 21 33 00-0026 EA Andrew® Omni Antenna, 890-960 MHz, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38-51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y).....	959.56	55.76
27 21 33 00-0027 EA Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC).....	4,809.62	48.12
27 21 33 00-0028 EA Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150).....	2,430.75	48.02

## 27 29 Data Communications Network Systems (2720)

Note: Materials only, excludes installation.

### 27 29 00 00-0001 Aruba Networks - Devices (2729)

#### 27 29 00 00-0002 Access Points and Accessories (2729 00 00-0001)

27 29 00 00-0003 EA Aruba 104 Wireless Access Point (802.11abgn 2x2:2, dual radio, antenna connectors) (Aruba networks AP-104).....	1,411.68	
27 29 00 00-0004 EA Aruba 104 Wireless Access Point, FIPS/TAA (Aruba networks AP-104-F1).....	1,614.80	
27 29 00 00-0005 EA Aruba 105 Wireless Access Point (802.11abgn 2x2:2, dual radio, integrated antennas) (Aruba networks AP-105).....	1,411.68	
27 29 00 00-0006 EA Aruba 105 Wireless Access Point, FIPS/TAA (Aruba networks AP-105-F1).....	1,614.80	
27 29 00 00-0007 EA Aruba 124 Wireless Access Point (802.11a/n + b/g/n) (Aruba networks AP-124).....	2,021.04	
27 29 00 00-0008 EA Aruba 124 Wireless Access Point (802.11a/n + b/g/n), FIPS/TAA (Aruba networks AP-124-F1).....	2,427.28	
27 29 00 00-0009 EA Aruba 125 Wireless Access Point (802.11a/n + b/g/n) (Aruba networks AP-125).....	2,021.04	
27 29 00 00-0010 EA Aruba 125 Wireless Access Point (802.11a/n + b/g/n), FIPS/TAA (Aruba networks AP-125-F1).....	2,427.28	
27 29 00 00-0011 EA Aruba AP-134 Wireless Access Point (Aruba networks AP-134).....	2,224.16	
27 29 00 00-0012 EA Aruba 134 Wireless Access Point, FIPS/TAA (Aruba networks AP-134-F1).....	2,630.40	
27 29 00 00-0013 EA Aruba AP-135 Wireless Access Point (Aruba networks AP-135).....	2,224.16	
27 29 00 00-0014 EA Aruba 135 Wireless Access Point, FIPS/TAA (Aruba networks AP-135-F1).....	2,630.40	
27 29 00 00-0015 EA AP-175P, 802.11n dual 2x2 320mW; POE (Aruba networks AP-175P).....	4,661.60	
27 29 00 00-0016 EA AP-175P, 802.11n dual 2x2 320mW, POE, FIPS/TAA (Aruba networks AP-175P-F1).....	5,372.52	
27 29 00 00-0017 EA AP-175AC Outdoor Access Point, 802.11n 2x2 dual radio 320mW; AC powered (with PSE) (Aruba networks AP-175AC).....	5,270.96	
27 29 00 00-0018 EA AP-175AC, 802.11n dual 2x2 320mW, AC, FIPS/TAA (Aruba networks AP-175AC-F1).....	6,083.44	
27 29 00 00-0019 EA AP-175DC Outdoor Access Point, 802.11n 2x2 dual radio 320mW; DC powered (with PSE) (Aruba networks AP-175DC).....	5,270.96	
27 29 00 00-0020 EA AP-175DC, 802.11n dual 2x2 320mW, DC, FIPS/TAA (Aruba networks AP-175DC-F1).....	6,083.44	
27 29 00 00-0021 EA Aruba 68 Wireless Access Point (Aruba networks AP-68).....	599.20	
27 29 00 00-0022 EA Aruba 92 Wireless Access Point, 802.11abgn, dual-band, single radio, antenna connectors (Aruba networks AP-92).....	802.32	
27 29 00 00-0023 EA Aruba 92 Wireless Access Point, FIPS/TAA (Aruba networks AP-92-F1).....	914.04	
27 29 00 00-0024 EA Aruba 93 Wireless Access Point, 802.11abgn, dual-band, single radio, integrated antennas (Aruba networks AP-93).....	802.32	
27 29 00 00-0025 EA Aruba 93 Wireless Access Point, FIPS/TAA (Aruba networks AP-93-F1).....	914.04	
27 29 00 00-0026 EA Aruba 93H Access Point, 802.11abgn, dual-band, single radio, integrated antennas, 4 port switch (hospitality variant) (Aruba networks AP-93H).....	1,005.44	
27 29 00 00-0027 EA AP 60/61/65/70/120 Series AC Power Adapter Kit - Australia (Aruba networks AP-AC-AUS-2).....	111.72	
27 29 00 00-0028 EA AP 60/61/65/70/120 Series AC Power Adapter Kit - Brazil Version (Aruba networks AP-AC-BR-2).....	111.72	
27 29 00 00-0029 EA AP 60/61/65/70/120 Series AC Power Adapter Kit - China (Aruba networks AP-AC-CHN-2).....	111.72	
27 29 00 00-0030 EA AP 60/61/65/70/120 Series AC Power Adapter Kit - Schuko (Aruba networks AP-AC-EC-2).....	111.72	
27 29 00 00-0031 EA AP 60/61/65/70/120 Series AC Power Adapter Kit - India (Aruba networks AP-AC-IN-2).....	111.72	
27 29 00 00-0032 EA AP 60/61/65/70/120 Series AC Power Adapter Kit - Italy (Aruba networks AP-AC-IT-2).....	111.72	
27 29 00 00-0033 EA AP 60/61/65/70/120 Series AC Power Adapter Kit - Japan (Aruba networks AP-AC-JPN-2).....	111.72	
27 29 00 00-0034 EA AP 60/61/65/70/120 Series AC Power Adapter Kit - Korea (Aruba networks AP-AC-KOR-2).....	111.72	
27 29 00 00-0035 EA AP 60/61/65/70/120 Series AC Power Adapter Kit - North American 2 Prong Version (Aruba networks AP-AC-LA-2).....	111.72	
27 29 00 00-0036 EA AP 60/61/65/70/120 Series AC Power Adapter Kit - North America Version (Aruba networks AP-AC-NA-2).....	111.72	
27 29 00 00-0037 EA AP 60/61/65/70/120 Series AC Power Adapter Kit - United Kingdom (Aruba networks AP-AC-UK-2).....	111.72	
27 29 00 00-0038 EA AP 60/61/65/70/120 Series AC Power Adapter Kit - Argentina (Aruba networks AP-AC-ARG-2).....	111.72	
27 29 00 00-0039 EA AP 60/61/65/70/120 Series AC Power Adapter Kit - Denmark (Aruba networks AP-AC-DEN-2).....	111.72	
27 29 00 00-0040 EA AP 60/61/65/70/120 Series AC Power Adapter Kit - Israel (Aruba networks AP-AC-IL-2).....	111.72	
27 29 00 00-0041 EA AP 60/61/65/70/120 Series AC Power Adapter Kit - Switzerland (Aruba networks AP-AC-SWI-2).....	111.72	
27 29 00 00-0042 EA AP 60/61/65/70/120 Series AC Power Adapter Kit - South Africa (Aruba networks AP-AC-ZA-2).....	111.72	
27 29 00 00-0043 EA 2.4-2.5GHz (4.4dBi) / 4.9-5.9GHz (3.3dBi), Down-Tilt, Smallest Form Factor Omni-Directional Single Antenna with ceiling mount hardware. RP-SMA Connector (Aruba networks AP-ANT-13B).....	284.37	
27 29 00 00-0044 EA 2.4-2.5GHz (4.4dBi) / 4.9-5.9GHz (3.3dBi), Down-Tilt, Smallest Form Factor Omni-Directional Single Antenna with ceiling mount hardware. RP-SMA Connector, Kit of quantity: 3 (Aruba networks AP-ANT-13B-KIT).....	792.17	
27 29 00 00-0045 EA 2.4-2.5GHz (5.0dBi) / 4.90-5.99GHz (5.0dBi), Dual-band, 120 Degree Sector Antenna, RP-SMA. (Aruba networks AP-ANT-15).....	700.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0046 EA 2.4-2.5Ghz (3.9dBi) / 4.9-5.9GHz (4.7dBi), 3 Element MIMO Antenna in a single mechanical package, Down-Tilt Omni-Directional with ceiling mount hardware. RP-SMA Connectors (Aruba networks AP-ANT-16) .....	700.76	
27 29 00 00-0047 EA 2.4-2.5GHz (6.0dBi) / 4.9-5.875GHz (5.0dBi), 3 Element MIMO 120 Degree Sector Antenna, mounting hardware only included; no Az/El adjustment. RP-SMA Connectors. To support pole mount or az/el adjustment on wall mount, order AP-ANT-MNT-1 kit in addition to antenna. (Aruba networks AP-ANT-17) .....	741.39	
27 29 00 00-0048 EA 2.4-2.5GHz (7.5dBi) / 5.15-5.875GHz (7.5dBi), 3 Element MIMO 60 Degree Sector Antenna. 3x 3ft pigtails, RP-SMA Connectors. Direct wall mounting hardware (anchors and screws) included; no az/el adjustment. For az/el adjustment on wall mount or pole mount order AP-ANT-MNT-1 kit in addition to antenna. (Aruba networks AP-ANT-18) .....	741.39	
27 29 00 00-0049 EA 2.4/5G Dual Band, Omnidirectional 3dBi/6dBi, Indoor/Outdoor, RPSMA connector with 36 inch integrated pigtail cable. Pole mount, I-beam, and ceiling tile mount hardware included. (Aruba networks AP-ANT-19) .....	304.68	
27 29 00 00-0050 EA 2.4/5G Dual Band, Omnidirectional 3dBi/6dBi, Indoor/Outdoor, RPSMA connector with 36 inch integrated pigtail cable. Pole mount, I-beam, and ceiling tile mount hardware included. (Kit of 3) (Aruba networks AP-ANT-19-KIT) .....	802.32	
27 29 00 00-0051 EA 2.4-2.5GHz (2dBi) / 4.9-5.875GHz (2dBi), compact omni-directional direct-mount indoor antenna. RP-SMA, classic (Aruba networks AP-ANT-20A) .....	40.62	
27 29 00 00-0052 EA 2.4-2.5GHz (2dBi) / 4.9-5.875GHz (2dBi), compact omni-directional direct-mount indoor antenna. RP-SMA, white (Aruba networks AP-ANT-20W) .....	40.62	
27 29 00 00-0053 EA 2.4-2.5GHz (3.8dBi) / 4.9-5.875GHz (5.8dBi), High-Gain Omni-Directional Detachable Antenna. RP-SMA (Aruba networks AP-ANT-1B) .....	60.94	
27 29 00 00-0054 EA AP Antenna with integrated cellular interference filter, 2.4-2.5GHz (2.0dBi) / 4.9-5.875GHz (5.0dBi), Omni-Directional Direct-Mount Antenna. RP-SMA Connector (Aruba networks AP-ANT-1F) .....	60.94	
27 29 00 00-0055 EA 2.4-2.5GHz (3.8dBi) / 4.9-5.875GHz (5.8dBi), High-Gain Omni-Directional Detachable Antenna. RP-SMA (Pair) (Aruba networks AP-ANT-1BP) .....	121.87	
27 29 00 00-0056 EA 2.4-2.5GHz (3.0dBi) / 4.9-5.99GHz (4.0dBi), Down-tilt, Omni-Directional Diversity Antenna c/w overhang mount hardware. N-Type Connector (Aruba networks AP-ANT-90) .....	1,218.72	
27 29 00 00-0057 EA 2.4-2.5GHz (6.0dBi) / 4.9-5.875GHz (5.0dBi), 3 Element MIMO 120 Degree Sector Antenna, mounting hardware only included; no Az/El adjustment. N-Type Connectors. To support pole mount or az/el adjustment on wall mount, order AP-ANT-MNT-1 kit in addition to antenna. (Aruba networks AP-ANT-92) .....	741.39	
27 29 00 00-0058 EA 5.125-6.1GHz (14.0dBi), 3 Element MIMO High-Gain 20 Degree Directional Panel Antenna, N-Type Female, Az/El mounting kit included, Cables NOT included (Aruba networks AP-ANT-93) .....	1,005.44	
27 29 00 00-0059 EA Dual Band, 120 Degree Sector, 5 dBi, ±45 Polarization, 2 Element MIMO, 2x 3ft pigtails, N-type connectors. To support pole mount or az/el adjustment on wall mount, order AP-ANT-MNT-1 kit in addition to antenna. (Aruba networks ANT-2X2-D805) .....	741.39	
27 29 00 00-0060 EA Dual Band, 60 Degree Sector, 7 dBi, ±45 Polarization, 2 Element MIMO, 2x 3ft pigtails, N-type connectors. To support pole mount or az/el adjustment on wall mount, order AP-ANT-MNT-1 kit in addition to antenna. (Aruba networks ANT-2X2-D607) .....	741.39	
27 29 00 00-0061 EA Pair (H/V Polarization) 2.4GHz, Omni-directional, 5dBi, Direct-mount, N-type connectors. Pole mount, I-beam, and ceiling tile mount hardware included. Requires N-male to N-female extension cable if not used in direct mount. (Aruba networks ANT-2x2-2005) .....	599.20	
27 29 00 00-0062 EA 2.4 GHz, 14 dBi, 30 Degree x 30 Degree, H and V polarized MIMO High-Gain Directional Panel Antenna, 2 x N-Type female connectors, Cable NOT Included. Outdoor rated. (Aruba networks ANT-2X2-2314) .....	863.26	
27 29 00 00-0063 EA 2.4 GHz, 14.0 dBi, 70 Degree, ±45 Degree polarized 2 Element MIMO High-Gain Directional Panel Antenna, 2x N-Type Female connectors, Cables NOT included (Aruba networks ANT-2x2-2714) .....	802.32	
27 29 00 00-0064 EA Pair (H/V Polarization) 5GHz, Omni-directional, 5dBi, Direct-mount, N-type connectors. Pole mount, I-beam, and ceiling tile mount hardware included. Requires N-male to N-female extension cable if not used in direct mount. (Aruba networks ANT-2x2-5005) .....	599.20	
27 29 00 00-0065 EA Pair (H/V Polarization) 5GHz, Omni-directional, 10dBi, Direct-mount, N-type connector. Pole mount, I-beam, and ceiling tile mount hardware included. Requires N-male to N-female extension cable if not used in direct mount. (Aruba networks ANT-2x2-5010) .....	802.32	
27 29 00 00-0066 EA 5.15-5.9 GHz, 14 dBi, 30 Degree x 30 Degree, H and V polarized MIMO High-Gain Directional Panel Antenna, 2 x N-Type female connectors, Cable NOT Included. Outdoor rated. (Aruba networks ANT-2X2-5314) .....	863.26	
27 29 00 00-0067 EA 4.9-5.9 GHz, 14.0 dBi, 60 Degree, ±45 Degree polarized 2 Element MIMO High-Gain Directional Panel Antenna, 2x N-Type Female connectors, Cables NOT included. Note: The ANT-2x2-5614 antenna is not approved for use in North America; select ANT-2x2-5614L or ANT-2x2-5614U instead. (Aruba networks ANT-2x2-5614) .....	802.32	
27 29 00 00-0068 EA 5.5-5.9 GHz, 14.0 dBi, 60 Degree, ±45 Degree polarized 2 Element MIMO High-Gain Directional Panel Antenna, 2x N-Type Female connectors, Cables NOT included (Aruba networks ANT-2x2-5614U) .....	802.32	
27 29 00 00-0069 EA 4.9-5.5 GHz, 14.0 dBi, 60 Degree, ±45 Degree polarized 2 Element MIMO High-Gain Directional Panel Antenna, 2x N-Type Female connectors, Cables NOT included. (Aruba networks ANT-2x2-5614L) .....	802.32	
27 29 00 00-0070 EA Azimuth and Elevation adjustable Mount Kit for AP-ANT-17, AP-ANT-18, AP-ANT-92, ANT-2x2-D607 and ANT-2x2-D805. Includes hardware for pole or wall mounting with AZ/EL adjustment. (Aruba networks AP-ANT-MNT-1) .....	192.96	
27 29 00 00-0071 EA In-line RF antenna cellular interference filter (high-pass). RP-SMA connectors (Aruba networks AP-HPF-SMA) .....	60.94	
27 29 00 00-0072 EA Aruba Outdoor Antenna Lightning Arrestor for outdoor Access Points: Single, In-line lightning arrester with N-type Male to N-type Female interface. Supports RF frequency passthrough of 2Ghz – 6Ghz. (Aruba networks AP-LAR-1) .....	304.68	
27 29 00 00-0073 EA Aruba Outdoor Antenna Lightning Arrestor for outdoor Access Points: Single, In-line lightning arrester with N-type Male to N-type Female interface. Supports RF frequency Passband of 2.4-2.5 GHz (Aruba networks AP-LAR-24) .....	304.68	
27 29 00 00-0074 EA 1 Port 802.3af PoE Midspan 10/100 15.4W (Aruba networks PD-3501-AC) .....	91.40	
27 29 00 00-0075 EA 1 Port 802.3af PoE Midspan 10/100/1000 15.4W (Aruba networks PD-3501G-AC) .....	192.96	
27 29 00 00-0076 EA 1 Port 802.3at PoE Midspan 10/100/1000 30W (Aruba networks PD-9001G-AC) .....	294.52	
27 29 00 00-0077 EA 1 Port 802.3at 4P PoE Midspan 10/100/1000 60W (Aruba networks PD-9501G-AC) .....	497.64	
27 29 00 00-0078 EA 1 Port 802.3at PoE Midspan 10/100/1000 30W Outdoor; NA power cord (Aruba networks PD-9001GO-NA) .....	1,411.68	
27 29 00 00-0079 EA 1 PORT GE 802.3AT MIDSPAN (Aruba networks PD-9001GR-AC) .....	294.52	
27 29 00 00-0080 EA 1 Port 802.3at PoE Midspan 10/100/1000 30W Outdoor; EU/International power cord (Aruba networks PD-9001GO-INTL) .....	1,411.68	
27 29 00 00-0081 EA Pole / Mast mount kit for outdoor POE midspan injectors (Aruba networks PD-MOUNT-OD) .....	253.90	
<b>27 29 00 00-0082 Remote Access Points (27 29 00 00-0001)</b>		
27 29 00 00-0083 EA Aruba RAP-5WN Multi-port Remote Access Point (Wireless, 1x 100/1000Base-T And 4x 10/100Base-T) (Aruba networks RAP-5WN) .....	1,208.56	
27 29 00 00-0084 EA Aruba RAP-5WN Multi-port Remote Access Point (Wireless, 1x 100/1000Base-T And 4x 10/100Base-T), FIPS/TAA (Aruba networks RAP-5WN-F1) .....	1,411.68	
27 29 00 00-0085 EA Aruba RAP-5WN Multi-port Remote Access Point (Wireless, 1x 100/1000Base-T And 4x 10/100Base-T) NA (Aruba networks RAP-5WN-US) .....	1,208.56	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0086 EA Contains: Aruba RAP-2WG remote access point with single radio 802.11B/G; integrated antenna, 2 x 10/100Base-T (RJ-45), 1 x North America 12V AC power adapter, 1x 6ft Ethernet cable and Installation Guide. (Aruba networks RAP-2WG-US) .....	201.09	
27 29 00 00-0087 EA Contains: Aruba RAP-2WG remote access point with single radio 802.11B/G; integrated antenna, 2 x 10/100Base-T (RJ-45), 1 x Continental Europe (Europlug) 12V AC power adapter, 1x 6ft Ethernet cable and Installation Guide. (Aruba networks RAP-2WG-EU).....	201.09	
27 29 00 00-0088 EA Contains: Aruba RAP-2WG remote access point with single radio 802.11B/G; integrated antenna, 2 x 10/100Base-T (RJ-45), 1 x Universal 12V AC power adapter, 1x 6ft Ethernet cable and Installation Guide. (Aruba networks RAP-2WG) .....	233.59	
27 29 00 00-0089 EA Aruba RAP-3WN Remote Access Point (wireless, 3x10/100Base-T, USB). Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel. (Aruba networks RAP-3WN).....	599.20	
27 29 00 00-0090 EA Aruba RAP-3WN Remote Access Point (wireless, 3x10/100Base-T, USB) - Restricted regulatory domain: United States (Aruba networks RAP-3WN-US) .....	599.20	
27 29 00 00-0091 EA Aruba RAP-3WN Remote Access Point (wireless, 3x10/100Base-T, USB) - Restricted regulatory domain: Japan (Aruba networks RAP-3WN-JP) .....	599.20	
27 29 00 00-0092 EA Aruba RAP-3WNP Remote Access Point (wireless, 3x10/100Base-T, USB, POE out). Note: unit ships without AC power cord. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel. (Aruba networks RAP-3WNP).....	700.76	
27 29 00 00-0093 EA Aruba RAP-3WNP Remote Access Point (wireless, 3x10/100Base-T, USB, POE out) - Restricted regulatory domain: United States. Note: unit ships without AC power cord. (Aruba networks RAP-3WNP-US).....	700.76	
27 29 00 00-0094 EA Aruba RAP-3WNP Remote Access Point (wireless, 3x10/100Base-T, USB, POE out) - Restricted regulatory domain: Japan. Note: unit ships without AC power cord. (Aruba networks RAP-3WNP-JP).....	700.76	
27 29 00 00-0095 EA Aruba RAP-108 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, antenna connectors - Restricted regulatory domain: Rest of World (Aruba networks RAP-108).....	1,208.56	
27 29 00 00-0096 EA Aruba RAP-108 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, antenna connectors - Restricted regulatory domain: United States (Aruba networks RAP-108-US).....	1,208.56	
27 29 00 00-0097 EA Aruba RAP-108 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, antenna connectors - Restricted regulatory domain: Japan (Aruba networks RAP-108-JP) .....	1,208.56	
27 29 00 00-0098 EA Aruba RAP-109 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, integrated antennas - Restricted regulatory domain: Rest of World (Aruba networks RAP-109).....	1,208.56	
27 29 00 00-0099 EA Aruba RAP-109 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, integrated antennas - Restricted regulatory domain: United States (Aruba networks RAP-109-US).....	1,208.56	
27 29 00 00-0100 EA Aruba RAP-109 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, integrated antennas - Restricted regulatory domain: Japan (Aruba networks RAP-109-JP) .....	1,208.56	
27 29 00 00-0101 EA Aruba RAP-3WN Remote Access Point, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks RAP-3WN-F1).....	700.76	
27 29 00 00-0102 EA Aruba RAP-3WN Remote Access Point, Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks RAP-3WN-USF1) .....	700.76	
27 29 00 00-0103 EA Aruba RAP-3WNP Remote Access Point, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks RAP-3WNP-F1).....	802.32	
27 29 00 00-0104 EA Aruba RAP-3WNP Remote Access Point, Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks RAP-3WNP-USF1).....	802.32	
27 29 00 00-0105 EA Aruba RAP-108 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, antenna connectors - Restricted regulatory domain: Rest of World, FIPS/TAA (Aruba networks RAP-108-F1) .....	1,411.68	
27 29 00 00-0106 EA Aruba RAP-108 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, antenna connectors - Restricted regulatory domain: United States, FIPS/TAA (Aruba networks RAP-108-USF1).....	1,411.68	
27 29 00 00-0107 EA Aruba RAP-109 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, integrated antennas - Restricted regulatory domain: Rest of World, FIPS/TAA (Aruba networks RAP-109-F1) .....	1,411.68	
27 29 00 00-0108 EA Aruba RAP-109 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, integrated antennas - Restricted regulatory domain: United States, FIPS/TAA (Aruba networks RAP-109-USF1).....	1,411.68	
27 29 00 00-0109 EA Aruba RAP-100 Series Access Point Wall and Ceiling Mount Kit (Aruba networks RAP-100-MNT) .....	71.09	
27 29 00 00-0110 EA RAP-3 Series wall mount kit (Aruba networks RAP-3WN-MNT).....	71.09	
27 29 00 00-0111 EA 48 Volt DC, 36 Watt, AC-to DC power adapter (excludes country specific AC power cord) (Aruba networks AP-AC-48V36).....	132.03	
27 29 00 00-0112 EA 12 Volt DC, 18 Watt, High Temperature AC Power Adapter for compatible indoor AP models. Excludes country specific power cord. (Aruba networks AP-AC-12V18HT) .....	132.03	
27 29 00 00-0113 EA RAP-3 Series serial adapter cable (proprietary to DB9 female) (Aruba networks AP-CBL-SER) .....	152.34	
27 29 00 00-0114 EA 12 Volt DC Universal AC Power Adapter Kit - North America, Japan, United Kingdom, Italy, EC (Europlug), Australia, China, India, Korea (Aruba networks AP-AC-UN).....	91.40	
27 29 00 00-0115 EA 12 Volt DC, 18 Watt AC Power Adapter for compatible indoor AP models. Excludes country specific power cord (Aruba networks AP-AC-12V18).....	91.40	
27 29 00 00-0116 EA 12 Volt DC Car Power Adapter Kit for compatible Aruba Access Point models. Note: this product is approved for use in the US only. (Aruba networks AP-DC-CAR) .....	132.03	
27 29 00 00-0117 EA Aruba RAP-5WN Remote Access Point Wall Mount (Aruba networks RAP-5WN-MNT) .....	71.09	
<b>27 29 00 00-0118 Outdoor / Industrial Wireless Mesh Routers and Accessories (27 29 00 00-0001)</b>		
27 29 00 00-0119 EA MSR1200, dual 2x2 11N radio; 200mW; New Boot Loader; ROW model (Aruba networks MSR1K2) .....	3,036.64	
27 29 00 00-0120 EA MSR1200, dual 2x2 11N radio; 200mW; New Boot Loader; Japan model (Aruba networks MSR1K2-JP).....	3,036.64	
27 29 00 00-0121 EA MSR1200, dual 2x2 11N radio; 200mW; New Boot Loader; US model (Aruba networks MSR1K2-US).....	3,036.64	
27 29 00 00-0122 EA MST200, single 2x2 11N radio; 320mW; Int Antenna; 5GHz; PoE; New Boot Loader; ROW model (Aruba networks MST2HP) .....	3,239.76	
27 29 00 00-0123 EA MST200, single 2x2 11N radio; 320mW; Int Antenna; 5GHz; PoE; New Boot Loader; Japan model (Aruba networks MST2HP-JP) .....	3,239.76	
27 29 00 00-0124 EA MST200, single 2x2 11N radio; 320mW; Int Antenna; 5GHz; PoE; New Boot Loader; US model (Aruba networks MST2HP-US).....	3,239.76	
27 29 00 00-0125 EA MSR2000, dual 2x2 11N radio; 320mW; PoE; New Boot Loader; ROW model (Aruba networks MSR2KP).....	6,692.80	
27 29 00 00-0126 EA MSR2000, dual 2x2 11N radio; 320mW; PoE; New Boot Loader; Japan model (Aruba networks MSR2KP-JP).....	6,692.80	
27 29 00 00-0127 EA MSR2000, dual 2x2 11N radio; 320mW; PoE; New Boot Loader; China model (Aruba networks MSR2KP-CN) .....	6,692.80	
27 29 00 00-0128 EA MSR2000, dual 2x2 11N radio; 320mW; PoE; New Boot Loader; US model (Aruba networks MSR2KP-US) .....	6,692.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0129	EA		MSR2000, dual 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; ROW model (Aruba networks MSR2KAC).....	7,099.04	
27 29 00 00-0130	EA		MSR2000, dual 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; Japan model (Aruba networks MSR2KAC-JP).....	7,099.04	
27 29 00 00-0131	EA		MSR2000, dual 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; China model (Aruba networks MSR2KAC-CN).....	7,099.04	
27 29 00 00-0132	EA		MSR2000, dual 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; US model (Aruba networks MSR2KAC-US).....	7,099.04	
27 29 00 00-0133	EA		MSR2000, dual 2x2 11N radio; 320mW; DC powered; PSE Out; New Boot Loader; ROW model (Aruba networks MSR2KDC).....	7,099.04	
27 29 00 00-0134	EA		MSR2000, dual 2x2 11N radio; 320mW; DC powered; PSE Out; New Boot Loader; Japan model (Aruba networks MSR2KDC-JP).....	7,099.04	
27 29 00 00-0135	EA		MSR2000, dual 2x2 11N radio; 320mW; DC powered; PSE Out; New Boot Loader; US model (Aruba networks MSR2KDC-US).....	7,099.04	
27 29 00 00-0136	EA		MSR4000, quad 2x2 11N radio; 320mW; PoE; New Boot Loader; ROW model (Aruba networks MSR4KP).....	11,161.44	
27 29 00 00-0137	EA		MSR4000, quad 2x2 11N radio; 320mW; PoE; New Boot Loader; Japan model (Aruba networks MSR4KP-JP).....	11,161.44	
27 29 00 00-0138	EA		MSR4000, quad 2x2 11N radio; 320mW; PoE; New Boot Loader; US model (Aruba networks MSR4KP-US).....	11,161.44	
27 29 00 00-0139	EA		MSR4000, quad 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; ROW model (Aruba networks MSR4KAC).....	11,973.92	
27 29 00 00-0140	EA		MSR4000, quad 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; Japan model (Aruba networks MSR4KAC-JP).....	11,973.92	
27 29 00 00-0141	EA		MSR4000, quad 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; US model (Aruba networks MSR4KAC-US).....	11,973.92	
27 29 00 00-0142	EA		MeshConfig Software for managing wireless mesh routers (indoor and outdoor) (Aruba networks MESH-SW-MC).....	2,021.04	
27 29 00 00-0143	EA		48 Volt DC, AC Power Adaptor, for MSR1200 mesh routers (Aruba networks AACPGK1T-00).....	101.56	
27 29 00 00-0144	EA		USB console cable, 1.5 meters, apply to all indoor and outdoor products (Aruba networks ACONGESTD-00).....	32.50	
27 29 00 00-0145	EA		Outdoor Installation Materials - Includes accessories that may be useful in the installation process: two electrical tape rolls, mastic tape, white tie wraps. (Aruba networks AINS2KKIT-00).....	50.78	
27 29 00 00-0146	EA		Set of 2 dual band staging antennas with N-type/male connectors (direct-mount, articulating) (Aruba networks ANT-2x2-STAGE).....	152.34	
27 29 00 00-0147	EA		Kit with weatherproof connector assembly to attach cable to (plastic) RJ45 interface on outdoor AP models (Aruba networks CKIT-RJ45-P).....	30.47	
27 29 00 00-0148	EA		Weatherproof cable assembly to connect to (plastic) USB interface on outdoor AP models (length: 5m) (Aruba networks CBL-USB-P).....	91.40	
27 29 00 00-0149	EA		Kit with weatherproof connector assembly to attach cable to (metal) RJ45 interface on outdoor AP models (Aruba networks CKIT-RJ45-M).....	192.96	
27 29 00 00-0150	EA		Weatherproof cable assembly to connect to (metal) USB interface on outdoor AP models (length: 5m) (Aruba networks CBL-USB-M).....	152.34	
27 29 00 00-0151	EA		Weatherproof cable assembly to connect to (metal) AC power interface on outdoor AP models (length: 5m). North America version (Aruba networks CBL-AC-NA).....	396.08	
27 29 00 00-0152	EA		Weatherproof cable assembly to connect to (metal) AC power interface on outdoor AP models (length: 5m). International (EU) version (Aruba networks CBL-AC-INTL).....	396.08	
27 29 00 00-0153	EA		Weatherproof cable assembly to connect to (metal) DC power interface on outdoor AP models (length: 5m) (Aruba networks CBL-DC-VW).....	396.08	
27 29 00 00-0154	EA		Kit with weatherproof connector assembly to attach cable to (metal) AC power interface on outdoor AP models (Aruba networks CKIT-AC-M).....	152.34	
27 29 00 00-0155	EA		Kit with weatherproof connector assembly to attach cable to (metal) DC power interface on outdoor AP models (Aruba networks CKIT-DC-M).....	152.34	
27 29 00 00-0156	EA		7D antenna cable with 2 N type Male connectors, 1 meter (Aruba networks AFC7DL01-00).....	60.94	
27 29 00 00-0157	EA		7D antenna cable with 2 N type Male connectors, 2 meters (Aruba networks AFC7DL02-00).....	73.12	
27 29 00 00-0158	EA		7D antenna cable with 2 N type Male connectors, 3 meters (Aruba networks AFC7DL03-00).....	91.40	
27 29 00 00-0159	EA		7D antenna cable with 2 N type Male connectors, 4 meters (Aruba networks AFC7DL04-00).....	111.72	
27 29 00 00-0160	EA		RP-SMA/M to N/F GR316 soft jumper, 60cm; used between indoor products and 7D and 1/2" feeder (Aruba networks AFC2DL60-00).....	36.56	
27 29 00 00-0161	EA		RP-SMA/M to N/M, 60cm; used between indoor products and splitter (Aruba networks AFC3JMTM-00).....	40.62	
<b>27 29 00 00-0162</b>			<b>Mobility Controllers and Accessories</b> <small>(27 29 00 00-0001)</small>		
27 29 00 00-0163	EA		Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3200XM).....	10,145.84	
27 29 00 00-0164	EA		Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3200XM-IL).....	10,145.84	
27 29 00 00-0165	EA		Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - US (Aruba networks 3200XM-US).....	10,145.84	
27 29 00 00-0166	EA		Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 8 AP Support, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3200XM-8).....	11,161.44	
27 29 00 00-0167	EA		Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 8 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3200XM-8-IL).....	11,161.44	
27 29 00 00-0168	EA		Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 8 AP Support, Restricted Regulatory Domain - US (Aruba networks 3200XM-8-US).....	11,161.44	
27 29 00 00-0169	EA		Aruba 3200 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel, FIPS and TAA Compliant (Aruba networks 3200-F1).....	11,679.40	
27 29 00 00-0170	EA		Aruba 3200 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - IL, FIPS And TAA Compliant (Aruba networks 3200-ILF1).....	11,679.40	
27 29 00 00-0171	EA		Aruba 3200 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - US, FIPS And TAA Compliant (Aruba networks 3200-USF1).....	11,679.40	
27 29 00 00-0172	EA		Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3400).....	16,239.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0173 EA Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel, FIPS and TAA Compliant (Aruba networks 3400-F1).....	18,737.82	
27 29 00 00-0174 EA Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 32 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3400-32).....	20,301.84	
27 29 00 00-0175 EA Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 32 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3400-32-IL).....	20,301.84	
27 29 00 00-0176 EA Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 32 AP Support, Restricted Regulatory Domain - US (Aruba networks 3400-32-US).....	20,301.84	
27 29 00 00-0177 EA Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3400-IL).....	16,239.44	
27 29 00 00-0178 EA Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - IL, FIPS And TAA Compliant (Aruba networks 3400-ILF1).....	18,737.82	
27 29 00 00-0179 EA Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - US (Aruba networks 3400-US).....	16,239.44	
27 29 00 00-0180 EA Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - US, FIPS And TAA Compliant (Aruba networks 3400-USF1).....	18,737.82	
27 29 00 00-0181 EA Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports , 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3600).....	26,395.44	
27 29 00 00-0182 EA Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports , 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel, FIPS And TAA Compliant (Aruba networks 3600-F1).....	30,457.84	
27 29 00 00-0183 EA Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 64 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3600-64).....	33,504.64	
27 29 00 00-0184 EA Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 64 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3600-64-IL).....	33,504.64	
27 29 00 00-0185 EA Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 64 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3600-64-US).....	33,504.64	
27 29 00 00-0186 EA Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports , 0 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3600-IL).....	26,395.44	
27 29 00 00-0187 EA Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports , 0 AP Support, Restricted Regulatory Domain - IL, FIPS And TAA Compliant (Aruba networks 3600-ILF1).....	30,457.84	
27 29 00 00-0188 EA Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports , 0 AP Support, Restricted Regulatory Domain - US (Aruba networks 3600-US).....	26,395.44	
27 29 00 00-0189 EA Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports , 0 AP Support, Restricted Regulatory Domain - US, FIPS And TAA Compliant (Aruba networks 3600-USF1).....	30,457.84	
27 29 00 00-0190 EA Aruba 6000 Base System, SPOE Power, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 6000-400).....	8,114.64	
27 29 00 00-0191 EA Aruba 6000 Base System, SPOE Power, Restricted Regulatory Domain - IL (Aruba networks 6000-400-IL).....	8,114.64	
27 29 00 00-0192 EA Aruba 6000 Base System, SPOE Power, Restricted Regulatory Domain - US (Aruba networks 6000-400-US).....	8,114.64	
27 29 00 00-0193 EA Aruba 6000 Base System, SPOE Power, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel, FIPS And TAA Compliant (Aruba networks 6000-400-F1).....	15,731.64	
27 29 00 00-0194 EA Aruba 6000 Base System, SPOE Power, Restricted Regulatory Domain - US, FIPS And TAA Compliant (Aruba networks 6000-400-USF1).....	15,731.64	
27 29 00 00-0195 EA Aruba 6000 Base System, SPOE Power, Restricted Regulatory Domain - IL, FIPS And TAA Compliant (Aruba networks 6000-400-ILF1).....	15,731.64	
27 29 00 00-0196 EA Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 620).....	2,985.86	
27 29 00 00-0197 EA Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel, FIPS And TAA Compliant (Aruba networks 620-F1).....	3,432.73	
27 29 00 00-0198 EA Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Restricted Regulatory Domain - IL, FIPS And TAA Compliant (Aruba networks 620-ILF1).....	3,432.73	
27 29 00 00-0199 EA Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Restricted Regulatory Domain - US, FIPS And TAA Compliant (Aruba networks 620-USF1).....	3,432.73	
27 29 00 00-0200 EA Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 4 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 620-4).....	3,554.60	
27 29 00 00-0201 EA Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Restricted Regulatory Domain - IL (Aruba networks 620-IL).....	2,985.86	
27 29 00 00-0202 EA Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 4 AP Support, Restricted Regulatory Domain - IL (Aruba networks 620-4-IL).....	3,554.60	
27 29 00 00-0203 EA Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Restricted Regulatory Domain - US (Aruba networks 620-US).....	2,985.86	
27 29 00 00-0204 EA Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 4 AP Support, Restricted Regulatory Domain - US (Aruba networks 620-4-US).....	3,554.60	
27 29 00 00-0205 EA Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 650).....	4,763.16	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 29 00 00-0206	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel, FIPS And TAA Compliant (Aruba networks 650-F1).....	5,474.08	
27 29 00 00-0207	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Restricted Regulatory Domain - IL, FIPS And TAA Compliant (Aruba networks 650-ILF1).....	5,474.08	
27 29 00 00-0208	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Restricted Regulatory Domain - US, FIPS And TAA Compliant (Aruba networks 650-USF1).....	5,474.08	
27 29 00 00-0209	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 8 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 650-8).....	5,880.32	
27 29 00 00-0210	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Restricted Regulatory Domain - IL (Aruba networks 650-IL).....	4,763.16	
27 29 00 00-0211	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 8 AP Support, Restricted Regulatory Domain - IL (Aruba networks 650-8-IL).....	5,880.32	
27 29 00 00-0212	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Restricted Regulatory Domain - US (Aruba networks 650-US).....	4,763.16	
27 29 00 00-0213	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 8 AP Support, Restricted Regulatory Domain - US (Aruba networks 650-8-US).....	5,880.32	
27 29 00 00-0214	EA		Aruba 6000 Series Base 4-Slot Chassis (Excludes Fan Tray), Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks HW-CHAS).....	3,046.80	
27 29 00 00-0215	EA		Aruba 6000 Series Base 4-Slot Chassis (Excludes Fan Tray), Restricted Regulatory Domain - IL (Aruba networks HW-CHAS-IL).....	3,046.80	
27 29 00 00-0216	EA		Aruba 6000 Series Base 4-Slot Chassis (Excludes Fan Tray), Restricted Regulatory Domain - US (Aruba networks HW-CHAS-US).....	3,046.80	
27 29 00 00-0217	EA		Aruba 6000 Series Replacement Fan Tray (Aruba networks HW-FT).....	1,015.60	
27 29 00 00-0218	EA		Aruba 6000 Series Power Supply - 200 Watt (Aruba networks HW-PSU-200).....	1,015.60	
27 29 00 00-0219	EA		Aruba 6000 Series Power Supply - 400 Watt (Aruba networks HW-PSU-400).....	2,031.20	
27 29 00 00-0220	EA		Aruba GBIC Interface Adapter - T (Aruba networks LC-GBIC-T).....	1,015.60	
27 29 00 00-0221	EA		Aruba Multi-Service Controller Module Mark I, 10x 1000Base-X (SFP), 2x 10GBase-X (XFP), (128 AP Support) (Aruba networks M3mk1-128-S).....	71,081.84	
27 29 00 00-0222	EA		Aruba Multi-Service Controller Module Mark I, 10x 1000Base-X (SFP), 2x 10GBase-X (XFP), (0 AP Support) (Aruba networks M3mk1-S).....	54,832.24	
27 29 00 00-0223	EA		Aruba Multi-Service Controller Module Mark I, 10x 1000Base-X (SFP), 2x 10GBase-X (XFP), (0 AP Support), FIPS/TAA (Aruba networks M3mk1-S-F1).....	63,068.76	
27 29 00 00-0224	EA		Aruba 7210, 4x 10GBase-X (SFP+), 1x 350W AC PS, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 7210).....	34,520.24	
27 29 00 00-0225	EA		Aruba 7210, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - IL (Aruba networks 7210-IL).....	34,520.24	
27 29 00 00-0226	EA		Aruba 7210, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - US (Aruba networks 7210-US).....	34,520.24	
27 29 00 00-0227	EA		Aruba 7220, 4x 10GBase-X (SFP+), 1x 350W AC PS, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 7220).....	51,785.44	
27 29 00 00-0228	EA		Aruba 7220, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - IL (Aruba networks 7220-IL).....	51,785.44	
27 29 00 00-0229	EA		Aruba 7220, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - US (Aruba networks 7220-US).....	51,785.44	
27 29 00 00-0230	EA		Aruba 7240, 4x 10GBase-X (SFP+), 1x 350W AC PS, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 7240).....	77,175.44	
27 29 00 00-0231	EA		Aruba 7240, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - IL (Aruba networks 7240-IL).....	77,175.44	
27 29 00 00-0232	EA		Aruba 7240, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - US (Aruba networks 7240-US).....	77,175.44	
27 29 00 00-0233	EA		Aruba 7200 Series Fan Tray (Aruba networks HW-7200-FT).....	396.08	
27 29 00 00-0234	EA		Aruba 7200 Series Expansion Slot Blank Panel (Aruba networks SPR-ESBLNK).....	91.40	
27 29 00 00-0235	EA		Aruba Supervisor Card I System Upgrade (48 AP to 128 AP Support) (Aruba networks SC-48-C1-UG-128).....	10,156.00	
27 29 00 00-0236	EA		1000BASE-LX SFP; 1310nm pluggable GbE optic; LC connector; up to 10,000 meters over single-mode fiber (Aruba networks SFP-LX).....	1,310.12	
27 29 00 00-0237	EA		1000BASE-SX SFP; 850nm pluggable GbE optic; LC connector; up to 300 meters over multi-mode fiber (Type OM2) (Aruba networks SFP-SX).....	802.32	
27 29 00 00-0238	EA		1000BASE-T SFP; copper GbE pluggable; RJ45 connector; up to 100 meters over Category-5, 5E, 6 and 6A unshielded twisted pair cable (Aruba networks SFP-TX).....	599.20	
27 29 00 00-0239	EA		Aruba XFP - 1310nm serial pluggable XFP optic (LC) for up to 10km over SMF (Aruba networks XFP-LR).....	9,130.24	
27 29 00 00-0240	EA		Aruba XFP - 850nm serial pluggable XFP optic (LC), target range 300m over MMF (Aruba networks XFP-SR).....	4,661.60	
27 29 00 00-0241	EA		Aruba 3200 Controller 1GB memory upgrade kit (Aruba networks 3200-MEM-UG).....	802.32	

### 27 29 00 00-0242 Other (27 29 00 00-0001)

27 29 00 00-0243	EA		AP-100 SERIES MOUNT KIT (Aruba networks AP-105-MNT).....	91.40	
27 29 00 00-0244	EA		AP-100 SERIES CEILING RAIL MOUNT KIT (Aruba networks AP-105-MNT-C).....	30.47	
27 29 00 00-0245	EA		AP-100 SERIES CEILING RAIL MOUNT KIT V2 (Aruba networks AP-105-MNT-C2).....	50.78	
27 29 00 00-0246	EA		AP-100 SERIES MOUNT KIT DC PWR (Aruba networks AP-105-MNT-DC).....	91.40	
27 29 00 00-0247	EA		Aruba 120 Series Wireless Access Point Wall / Ceiling Mounting Kit (Aruba networks AP-120-MNT).....	71.09	
27 29 00 00-0248	EA		AP-120 SERIES MOUNT KIT (Aruba networks AP-120-MNT-WJ).....	192.96	
27 29 00 00-0249	EA		AP-120 Cover Kit (Aruba networks AP-120-MNT-CV).....	111.72	
27 29 00 00-0250	EA		AP-130 SERIES MOUNT KIT (Aruba networks AP-130-MNT).....	50.78	
27 29 00 00-0251	EA		AP-130 SERIES MOUNT KIT V2 (Aruba networks AP-130-MNT-W2).....	152.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0252 EA AP-130 SERIES CEILING RAIL MOUNT KIT V2 (Aruba networks AP-130-MNT-C2).....	50.78	
27 29 00 00-0253 EA AP-90 SERIES MOUNT KIT (Aruba networks AP-90-MNT).....	71.09	
27 29 00 00-0254 EA AP-90 SERIES MOUNT KIT V2 (Aruba networks AP-90-MNT-W2).....	91.40	
27 29 00 00-0255 EA AP-90 SERIES CEILING RAIL MOUNT KIT V2 (Aruba networks AP-90-MNT-C2).....	50.78	
27 29 00 00-0256 EA Aruba Outdoor Antenna Cable Extension - 10' Long low-loss LMR 400 antenna extension cable for use with Outdoor Access Points, interfaces AP N-Type Female interface to N-Type Male on antenna. (Aruba networks AP-CBL-1).....	223.43	
27 29 00 00-0257 EA Aruba 620 Desk Stand Kit (Aruba networks HW-620-MNT-DESK).....	172.65	
27 29 00 00-0258 EA Aruba 620 19" Equipment Rack Mounting Kit (Aruba networks HW-620-MNT-19).....	294.52	
27 29 00 00-0259 EA Aruba 3000 Series Replacement 19" Equipment Rack Mounting Kit (Aruba networks HW-3000-MNT-19).....	101.56	
27 29 00 00-0260 EA Aruba 6000 Series Replacement 19" Equipment Rack Mounting Kit (Aruba networks HW-MNT-19).....	101.56	
27 29 00 00-0261 EA Aruba 6000 Series Power Supply Unit Slot Blank Panel (Aruba networks HW-PSU-BLANK).....	121.87	
27 29 00 00-0262 EA Aruba 6000 Series Supervisor / Line Card Slot Blank Panel (Aruba networks HW-SC-LC-BLANK).....	121.87	
<b>27 29 00 00-0263 ArubaOS Software (27 29 00 00-0001)</b>		
27 29 00 00-0264 EA Security Software Bundle for A200 (8 AP License) (Aruba networks LIC-200-SEC).....	1,421.84	
27 29 00 00-0265 EA Security Software Bundle for A800-4 (4 AP License) (Aruba networks LIC-804-SEC).....	2,031.20	
27 29 00 00-0266 EA Security Software Bundle for A800-16 (16 AP License) (Aruba networks LIC-800-SEC).....	8,124.80	
27 29 00 00-0267 EA Security Software Bundle Upgrade LIC-804-SEC to LIC-800-SEC (Aruba networks 804-UG-SEC-1).....	6,093.60	
27 29 00 00-0268 EA Security Software Bundle for A2400-48 (48 AP License) (Aruba networks LIC-2400-SEC).....	16,249.60	
27 29 00 00-0269 EA Security Software Bundle for Supervisor Card I (48 AP License) (Aruba networks LIC-SC1-SEC-48).....	20,312.00	
27 29 00 00-0270 EA Security Software Bundle for Supervisor Card I (128 AP License) (Aruba networks LIC-SC1-SEC).....	32,499.20	
27 29 00 00-0271 EA Security Software Bundle for Supervisor Card II (256 AP License) (Aruba networks LIC-SC2-SEC).....	64,998.40	
27 29 00 00-0272 EA Security Software for Supervisor Card I (Upgrade 48 AP to 128 AP) (Aruba networks LIC-SC1-SEC-UG-1).....	20,312.00	
27 29 00 00-0273 EA Policy Enforcement Firewall Module for A200 (8 AP License) (Aruba networks LIC-200-PEF).....	710.92	
27 29 00 00-0274 EA Policy Enforcement Firewall Module for A800-4 (4 AP License) (Aruba networks LIC-804-PEF).....	1,015.60	
27 29 00 00-0275 EA Policy Enforcement Firewall Module for A800-16 (16 AP License) (Aruba networks LIC-800-PEF).....	4,062.40	
27 29 00 00-0276 EA Policy Enforcement Firewall Upgrade LIC-804-PEF to LIC-800-PEF (Aruba networks 804-UG-PEF-1).....	3,046.80	
27 29 00 00-0277 EA Policy Enforcement Firewall Module for A2400-48 (48 AP License) (Aruba networks LIC-2400-PEF).....	8,124.80	
27 29 00 00-0278 EA Policy Enforcement Firewall Module for Aruba Supervisor Card I (48 AP) (Aruba networks LIC-SC1-PEF-48).....	10,156.00	
27 29 00 00-0279 EA Policy Enforcement Firewall Module for Aruba Supervisor Card I (128 AP) (Aruba networks LIC-SC1-PEF).....	16,249.60	
27 29 00 00-0280 EA Policy Enforcement Firewall Module for Aruba Supervisor Card II (256 AP) (Aruba networks LIC-SC2-PEF).....	32,499.20	
27 29 00 00-0281 EA Policy Enforcement Firewall for Supervisor Card I (Upgrade 48 AP to 128 AP) (Aruba networks LIC-SC1-PEF- UG-1).....	10,156.00	
27 29 00 00-0282 EA Policy Enforcement Firewall Module License (32 Users) (Aruba networks LIC-PEF-32).....	589.05	
27 29 00 00-0283 EA Policy Enforcement Firewall Module License (64 Users) (Aruba networks LIC-PEF-64).....	1,117.16	
27 29 00 00-0284 EA Policy Enforcement Firewall Module License (128 Users) (Aruba networks LIC-PEF-128).....	2,132.76	
27 29 00 00-0285 EA Policy Enforcement Firewall Module License (256 Users) (Aruba networks LIC-PEF-256).....	4,062.40	
27 29 00 00-0286 EA Policy Enforcement Firewall Module License (512 Users) (Aruba networks LIC-PEF-512).....	7,718.56	
27 29 00 00-0287 EA Policy Enforcement Firewall Module License (1024 Users) (Aruba networks LIC-PEF-1024).....	14,624.64	
27 29 00 00-0288 EA Policy Enforcement Firewall Module License (2048 Users) (Aruba networks LIC-PEF-2048).....	27,624.32	
27 29 00 00-0289 EA Policy Enforcement Firewall Module License (4096 Users) (Aruba networks LIC-PEF-4096).....	49,723.78	
27 29 00 00-0290 EA Policy Enforcement Firewall Module License (8192 Users) (Aruba networks LIC-PEF-8192).....	88,397.82	
27 29 00 00-0291 EA Policy Enforcement Firewall (1 AP License) (Aruba networks LIC-PEFNG-1).....	162.50	
27 29 00 00-0292 EA Policy Enforcement Firewall (2 AP License) (Aruba networks LIC-PEFNG-2).....	304.68	
27 29 00 00-0293 EA Policy Enforcement Firewall (4 AP License) (Aruba networks LIC-PEFNG-4).....	589.05	
27 29 00 00-0294 EA Policy Enforcement Firewall (8 AP License) (Aruba networks LIC-PEFNG-8).....	1,117.16	
27 29 00 00-0295 EA Policy Enforcement Firewall (16 AP License) (Aruba networks LIC-PEFNG-16).....	2,132.76	
27 29 00 00-0296 EA Policy Enforcement Firewall (32 AP License) (Aruba networks LIC-PEFNG-32).....	4,062.40	
27 29 00 00-0297 EA Policy Enforcement Firewall (64 AP License) (Aruba networks LIC-PEFNG-64).....	7,718.56	
27 29 00 00-0298 EA Policy Enforcement Firewall (128 AP License) (Aruba networks LIC-PEFNG-128).....	14,624.64	
27 29 00 00-0299 EA Policy Enforcement Firewall (256 AP License) (Aruba networks LIC-PEFNG-256).....	27,624.32	
27 29 00 00-0300 EA Policy Enforcement Firewall (384 AP License) (Aruba networks LIC-PEFNG-384).....	39,364.66	
27 29 00 00-0301 EA Policy Enforcement Firewall (512 AP License) (Aruba networks LIC-PEFNG-512).....	49,723.78	
27 29 00 00-0302 EA Policy Enforcement Firewall (1024 AP License) (Aruba networks LIC-PEFNG-1024).....	88,397.82	
27 29 00 00-0303 EA Policy Enforcement Firewall (2048 AP License) (Aruba networks LIC-PEFNG-2048).....	154,696.19	
27 29 00 00-0304 EA Policy Enforcement Firewall for Aruba 620 (VIA/VPN users) (Aruba networks LIC-620-PEFV).....	812.48	
27 29 00 00-0305 EA Policy Enforcement Firewall for Aruba 650 (VIA/VPN users) (Aruba networks LIC-650-PEFV).....	1,624.96	
27 29 00 00-0306 EA Policy Enforcement Firewall for Aruba 651 (VIA/VPN users) (Aruba networks LIC-651-PEFV).....	1,624.96	
27 29 00 00-0307 EA Policy Enforcement Firewall for Aruba 3200 (VIA/VPN users) (Aruba networks LIC-3200-PEFV).....	5,484.24	
27 29 00 00-0308 EA Policy Enforcement Firewall for Aruba 3400 (VIA/VPN users) (Aruba networks LIC-3400-PEFV).....	9,952.88	
27 29 00 00-0309 EA Policy Enforcement Firewall for Aruba 3600 (VIA/VPN users) (Aruba networks LIC-3600-PEFV).....	9,952.88	
27 29 00 00-0310 EA Policy Enforcement Firewall for Aruba M3 (VIA/VPN users) (Aruba networks LIC-M3-PEFV).....	9,952.88	
27 29 00 00-0311 EA Policy Enforcement Firewall for Aruba 7210 (VIA/VPN users) (Aruba networks LIC-7210-PEFV).....	32,499.20	
27 29 00 00-0312 EA Policy Enforcement Firewall for Aruba 7220 (VIA/VPN users) (Aruba networks LIC-7220-PEFV).....	48,748.80	
27 29 00 00-0313 EA Policy Enforcement Firewall for Aruba 7240 (VIA/VPN users) (Aruba networks LIC-7240-PEFV).....	64,998.40	
27 29 00 00-0314 EA Wireless Intrusion Protection Module for A200 (8 AP License) (Aruba networks LIC-200-WIP).....	710.92	
27 29 00 00-0315 EA Wireless Intrusion Protection Module for A800-4 (4 AP License) (Aruba networks LIC-804-WIP).....	1,015.60	
27 29 00 00-0316 EA Wireless Intrusion Protection Module for A800-16 (16 AP License) (Aruba networks LIC-800-WIP).....	4,062.40	
27 29 00 00-0317 EA Wireless Intrusion Protection Module Upgrade LIC-804-WIP to LIC-800-WIP (Aruba networks 804-UG-WIP-1).....	3,046.80	
27 29 00 00-0318 EA Wireless Intrusion Protection Module for A2400-48 (48 AP License) (Aruba networks LIC-2400-WIP).....	8,124.80	
27 29 00 00-0319 EA Wireless Intrusion Protection Module for Aruba Supervisor Card I (48 AP) (Aruba networks LIC-SC1-WIP-48).....	10,156.00	
27 29 00 00-0320 EA Wireless Intrusion Protection Module for Aruba Supervisor Card I (128 AP) (Aruba networks LIC-SC1-WIP).....	16,249.60	
27 29 00 00-0321 EA Wireless Intrusion Protection Module for Aruba Supervisor Card II (256 AP) (Aruba networks LIC-SC2-WIP).....	32,499.20	
27 29 00 00-0322 EA Wireless Intrusion Protection for Sup. Card I (Upgrade 48 AP to 128 AP) (Aruba networks LIC-SC1-WIP-UG-1).....	10,156.00	
27 29 00 00-0323 EA RF Protect License including WIP and Spectrum (1 AP Support) (Aruba networks LIC-RFP-1).....	142.18	
27 29 00 00-0324 EA RF Protect License including WIP and Spectrum (2 AP Support) (Aruba networks LIC-RFP-2).....	264.06	
27 29 00 00-0325 EA RF Protect License including WIP and Spectrum (4 AP Support) (Aruba networks LIC-RFP-4).....	487.49	
27 29 00 00-0326 EA RF Protect License including WIP and Spectrum (8 AP Support) (Aruba networks LIC-RFP-8).....	914.04	
27 29 00 00-0327 EA RF Protect License including WIP and Spectrum (16 AP Support) (Aruba networks LIC-RFP-16).....	1,706.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 29 00 00-0328	EA	RF Protect License including WIP and Spectrum (32 AP Support) (Aruba networks LIC-RFP-32)	3,249.92	
27 29 00 00-0329	EA	RF Protect License including WIP and Spectrum (64 AP Support) (Aruba networks LIC-RFP-64)	6,154.54	
27 29 00 00-0330	EA	RF Protect License including WIP and Spectrum (128 AP Support) (Aruba networks LIC-RFP-128)	11,618.46	
27 29 00 00-0331	EA	RF Protect License including WIP and Spectrum (256 AP Support) (Aruba networks LIC-RFP-256)	20,921.36	
27 29 00 00-0332	EA	RF Protect License including WIP and Spectrum (384 AP Support) (Aruba networks LIC-RFP-384)	29,635.21	
27 29 00 00-0333	EA	RF Protect License including WIP and Spectrum (512 AP Support) (Aruba networks LIC-RFP-512)	37,191.27	
27 29 00 00-0334	EA	RF Protect License including WIP and Spectrum (1024 AP Support) (Aruba networks LIC-RFP-1024)	65,079.65	
27 29 00 00-0335	EA	RF Protect License including WIP and Spectrum (2048 AP Support) (Aruba networks LIC-RFP-2048)	111,553.50	
27 29 00 00-0336	EA	Upgrade 800-04 to 800-16 (4 AP to 16 AP) (Aruba networks 804-UG-800)	6,093.60	
27 29 00 00-0337	EA	Access Point License (1 Access Point License) (Aruba networks LIC-1-AP)	152.34	
27 29 00 00-0338	EA	Access Point License (2 Access Point License) (Aruba networks LIC-2-AP)	304.68	
27 29 00 00-0339	EA	Access Point License (4 Access Point License) (Aruba networks LIC-4-AP)	609.36	
27 29 00 00-0340	EA	Access Point License (8 Access Point License) (Aruba networks LIC-8-AP)	1,218.72	
27 29 00 00-0341	EA	Access Point License (16 Access Point License) (Aruba networks LIC-16-AP)	2,437.44	
27 29 00 00-0342	EA	Access Point License (32 Access Point License) (Aruba networks LIC-32-AP)	4,631.14	
27 29 00 00-0343	EA	Access Point License (64 Access Point License) (Aruba networks LIC-64-AP)	8,774.78	
27 29 00 00-0344	EA	Access Point License (128 Access Point License) (Aruba networks LIC-128-AP)	16,574.59	
27 29 00 00-0345	EA	Access Point License (256 Access Point License) (Aruba networks LIC-256-AP)	31,503.91	
27 29 00 00-0346	EA	Access Point License (384 Access Point License) (Aruba networks LIC-384-AP)	46,006.68	
27 29 00 00-0347	EA	Access Point License (512 Access Point License) (Aruba networks LIC-512-AP)	59,676.66	
27 29 00 00-0348	EA	Access Point License (1024 Access Point License) (Aruba networks LIC-1024-AP)	112,711.29	
27 29 00 00-0349	EA	Access Point License (2048 Access Point License) (Aruba networks LIC-2048-AP)	212,158.84	
27 29 00 00-0350	EA	Security Software Bundle (1 AP License) (Aruba networks LIC-SEC-1)	304.68	
27 29 00 00-0351	EA	Security Software Bundle (2 AP License) (Aruba networks LIC-SEC-2)	568.74	
27 29 00 00-0352	EA	Security Software Bundle (4 AP License) (Aruba networks LIC-SEC-4)	1,076.54	
27 29 00 00-0353	EA	Security Software Bundle (8 AP License) (Aruba networks LIC-SEC-8)	2,031.20	
27 29 00 00-0354	EA	Security Software Bundle (16 AP License) (Aruba networks LIC-SEC-16)	3,838.97	
27 29 00 00-0355	EA	Security Software Bundle (32 AP License) (Aruba networks LIC-SEC-32)	7,312.32	
27 29 00 00-0356	EA	Security Software Bundle (64 AP License) (Aruba networks LIC-SEC-64)	13,873.10	
27 29 00 00-0357	EA	Security Software Bundle (128 AP License) (Aruba networks LIC-SEC-128)	26,243.10	
27 29 00 00-0358	EA	Security Software Bundle (256 AP License) (Aruba networks LIC-SEC-256)	48,545.68	
27 29 00 00-0359	EA	Security Software Bundle (384 AP License) (Aruba networks LIC-SEC-384)	68,999.86	
27 29 00 00-0360	EA	Security Software Bundle (512 AP License) (Aruba networks LIC-SEC-512)	86,915.05	
27 29 00 00-0361	EA	Security Software Bundle (1024 AP License) (Aruba networks LIC-SEC-1024)	153,477.47	
27 29 00 00-0362	EA	Remote Access Point License (Single Access Point License) (Aruba networks LIC-1-RAP)	152.34	
27 29 00 00-0363	EA	Remote Access Point License (4 Access Point License) (Aruba networks LIC-4-RAP)	609.36	
27 29 00 00-0364	EA	Remote Access Point License (6 Access Point License) (Aruba networks LIC-6-RAP)	914.04	
27 29 00 00-0365	EA	Remote Access Point License (8 Access Point License) (Aruba networks LIC-8-RAP)	1,218.72	
27 29 00 00-0366	EA	Remote Access Point License (16 Access Point License) (Aruba networks LIC-16-RAP)	2,437.44	
27 29 00 00-0367	EA	Remote Access Point License (24 Access Point License) (Aruba networks LIC-24-RAP)	3,656.16	
27 29 00 00-0368	EA	Remote Access Point License (32 Access Point License) (Aruba networks LIC-32-RAP)	4,631.14	
27 29 00 00-0369	EA	Remote Access Point License (48 Access Point License) (Aruba networks LIC-48-RAP)	6,946.70	
27 29 00 00-0370	EA	Remote Access Point License (64 Access Point License) (Aruba networks LIC-64-RAP)	8,774.78	
27 29 00 00-0371	EA	Remote Access Point License (128 Access Point License) (Aruba networks LIC-128-RAP)	16,574.59	
27 29 00 00-0372	EA	Remote Access Point License (256 Access Point License) (Aruba networks LIC-256-RAP)	31,503.91	
27 29 00 00-0373	EA	Remote Access Point License (512 Access Point License) (Aruba networks LIC-512-RAP)	59,676.66	
27 29 00 00-0374	EA	Remote Access Point License (1024 Access Point License) (Aruba networks LIC-1024-RAP)	112,711.29	
27 29 00 00-0375	EA	xSec Module Upgrade LIC-804-XSC to LIC-800-XSC (Aruba networks 804-UG-XSC-1)	3,046.80	
27 29 00 00-0376	EA	xSec Module for A200 (8 AP License) (Aruba networks LIC-200-XSC)	710.92	
27 29 00 00-0377	EA	xSec Module for A2400-48 (48 AP License) (Aruba networks LIC-2400-XSC)	8,124.80	
27 29 00 00-0378	EA	xSec Module for A800-16 (16 AP License) (Aruba networks LIC-800-XSC)	4,062.40	
27 29 00 00-0379	EA	xSec Module for A800-4 (4 AP License) (Aruba networks LIC-804-XSC)	1,015.60	
27 29 00 00-0380	EA	xSec Module for Aruba Supervisor Card I (128 AP) (Aruba networks LIC-SC1-XSC)	16,249.60	
27 29 00 00-0381	EA	xSec Module for Aruba Supervisor Card I (48 AP) (Aruba networks LIC-SC1-XSC-48)	10,156.00	
27 29 00 00-0382	EA	xSec Module for Supervisor Card I (Upgrade 48 AP to 128 AP) (Aruba networks LIC-SC1-XSC-UG-1)	10,156.00	
27 29 00 00-0383	EA	xSec Module for Aruba Supervisor Card II (256 AP) (Aruba networks LIC-SC2-XSC)	32,499.20	
27 29 00 00-0384	EA	xSec Module License (1024 Sessions) (Aruba networks LIC-XSC-1024)	14,624.64	
27 29 00 00-0385	EA	xSec Module License (32 Sessions) (Aruba networks LIC-XSC-32)	589.05	
27 29 00 00-0386	EA	xSec Module License (64 Sessions) (Aruba networks LIC-XSC-64)	1,117.16	
27 29 00 00-0387	EA	xSec Module License (128 Sessions) (Aruba networks LIC-XSC-128)	2,132.76	
27 29 00 00-0388	EA	xSec Module License (256 Sessions) (Aruba networks LIC-XSC-256)	4,062.40	
27 29 00 00-0389	EA	xSec Module License (512 Sessions) (Aruba networks LIC-XSC-512)	7,718.56	
27 29 00 00-0390	EA	xSec Module License (2048 Sessions) (Aruba networks LIC-XSC-2048)	27,624.32	
27 29 00 00-0391	EA	xSec Module License (4096 Sessions) (Aruba networks LIC-XSC-4096)	49,723.78	
27 29 00 00-0392	EA	xSec Module License (8192 Sessions) (Aruba networks LIC-XSC-8192)	88,397.82	
27 29 00 00-0393	EA	Advanced Cryptography (8 Sessions) (Aruba networks LIC-ACR-8)	2,071.82	
27 29 00 00-0394	EA	Advanced Cryptography (32 Sessions) (Aruba networks LIC-ACR-32)	7,759.18	
27 29 00 00-0395	EA	Advanced Cryptography (64 Sessions) (Aruba networks LIC-ACR-64)	14,584.02	
27 29 00 00-0396	EA	Advanced Cryptography (128 Sessions) (Aruba networks LIC-ACR-128)	27,421.20	
27 29 00 00-0397	EA	Advanced Cryptography (256 Sessions) (Aruba networks LIC-ACR-256)	51,531.54	
27 29 00 00-0398	EA	Advanced Cryptography (512 Sessions) (Aruba networks LIC-ACR-512)	96,867.93	
27 29 00 00-0399	EA	Advanced Cryptography (1024 Sessions) (Aruba networks LIC-ACR-1024)	171,636.40	
27 29 00 00-0400	EA	PoE License for 600 Series (4 Ports) (Aruba networks LIC-4-POE)	243.74	

### 27 29 00 00-0401 AirWave (27 29 00 00-0001)

27 29 00 00-0402	EA	AirWave license for 25 devices (Aruba networks AW-25)	5,585.80	
27 29 00 00-0403	EA	AirWave license for 50 devices (Aruba networks AW-50)	10,145.84	
27 29 00 00-0404	EA	AirWave license for 100 devices (Aruba networks AW-100)	18,270.64	
27 29 00 00-0405	EA	AirWave license for 200 devices (Aruba networks AW-200)	30,457.84	
27 29 00 00-0406	EA	AirWave license for 500 devices (Aruba networks AW-500)	55,847.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0407 EA AirWave license for 1000 devices (Aruba networks AW-1000).....	75,144.24	
27 29 00 00-0408 EA AirWave license for 2500 devices (Aruba networks AW-2500).....	172,641.84	
27 29 00 00-0409 EA AirWave site license for 2500 devices (Aruba networks AW-SL2500).....	248,822.00	
27 29 00 00-0410 EA AirWave expansion license (Aruba networks AW-EXP1-50).....	201.09	
27 29 00 00-0411 EA AirWave expansion license (2500 volume) (Aruba networks AW-EXP1-2500).....	69.06	
27 29 00 00-0412 EA AirWave site license expansion (Aruba networks AW-EXP1-SL2500).....	99.53	
27 29 00 00-0413 EA AirWave Failover for 25 devices (Aruba networks AW-25-FR).....	1,675.74	
27 29 00 00-0414 EA AirWave Failover for 50 devices (Aruba networks AW-50-FR).....	3,036.64	
27 29 00 00-0415 EA AirWave Failover for 100 devices (Aruba networks AW-100-FR).....	5,474.08	
27 29 00 00-0416 EA AirWave Failover for 200 devices (Aruba networks AW-200-FR).....	9,130.24	
27 29 00 00-0417 EA AirWave Failover for 500 devices (Aruba networks AW-500-FR).....	16,239.44	
27 29 00 00-0418 EA AirWave Failover for 1000 devices (Aruba networks AW-1000-FR).....	20,301.84	
27 29 00 00-0419 EA AirWave Failover for 2500 devices (Aruba networks AW-2500-FR).....	50,769.84	
27 29 00 00-0420 EA AirWave Failover expansion license (Aruba networks AW-EXF1-50).....	60.94	
27 29 00 00-0421 EA AirWave failover expansion (2500 volume) (Aruba networks AW-EXF1-2500).....	20.31	
27 29 00 00-0422 EA AirWave Master Console (Aruba networks AW-MASTER).....	30,457.84	
27 29 00 00-0423 EA Hardware appliance for AirWave Professional Edition and smaller software licenses (Aruba networks AW-HW-PRO).....	99,274.90	
27 29 00 00-0424 EA Hardware appliance for AirWave Enterprise Edition and smaller software licenses (Aruba networks AW-HW-ENT).....	132,596.74	
27 29 00 00-0425 EA 717W redundant power supply for the AW-HW-PRO and AW-HW-ENT appliance hardware. Customer Install. (Aruba networks AW-HW-PSU).....	2,163.23	
<b>27 29 00 00-0426 Amigopod (2729 00 00-0001)</b>		
27 29 00 00-0427 EA SW starter kit (includes 100 user license) (Aruba networks AMG-SW-100).....	20,301.84	
27 29 00 00-0428 EA HW appliance kit (100 user license) (Aruba networks AMG-HW-100).....	30,457.84	
27 29 00 00-0429 EA HW appliance kit (2500 user license) (Aruba networks AMG-HW-2500).....	152,329.84	
27 29 00 00-0430 EA HA SW starter kit for AMG-SW-100 (Aruba networks AMG-SW-100R).....	20,301.84	
27 29 00 00-0431 EA HA HW appliance kit for AMG-HW-100 (Aruba networks AMG-HW-100R).....	30,457.84	
27 29 00 00-0432 EA Amigopod HW-2500 appliance with Amigopod software, no user license included, max 25,000 users (Aruba networks AMG-HW-BASE).....	73,113.04	
27 29 00 00-0433 EA Amigopod 50000 user expansion pack (Aruba networks AMG-LIC-50000).....	1,015,600.00	
27 29 00 00-0434 EA Amigopod 25000 user expansion pack (Aruba networks AMG-LIC-25000).....	634,750.00	
27 29 00 00-0435 EA Amigopod 10000 user expansion pack (Aruba networks AMG-LIC-10000).....	304,680.00	
27 29 00 00-0436 EA Amigopod 2500 user expansion pack (Aruba networks AMG-LIC-2500).....	101,549.84	
27 29 00 00-0437 EA Amigopod 1000 user expansion pack (Aruba networks AMG-LIC-1000).....	60,925.84	
27 29 00 00-0438 EA Amigopod 200 user expansion pack (Aruba networks AMG-LIC-200).....	30,457.84	
27 29 00 00-0439 EA 50 User License Pack (Aruba networks AMG-LIC-50).....	8,114.64	
27 29 00 00-0440 EA Advertising Services Plugin 200 users (Aruba networks AMG-ADVERT-200).....	10,145.84	
27 29 00 00-0441 EA Advertising Services Plugin 500 users (Aruba networks AMG-ADVERT-500).....	20,301.84	
27 29 00 00-0442 EA Advertising Services Plugin 10,000 users (Aruba networks AMG-ADVERT-10000).....	60,925.84	
27 29 00 00-0443 EA UI Customization Service (Aruba networks AMG-SKIN-PS).....	5,078.00	
<b>27 29 00 00-0444 ClearPass (2729 00 00-0001)</b>		
27 29 00 00-0445 EA Aruba ClearPass Policy Manager 500 HW Appliance - RADIUS/TACACS+ server with advanced policy control for up to 500 unique endpoints. Includes 25 endpoint Enterprise License. (Aruba networks CP-HW-500).....	20,312.00	
27 29 00 00-0446 EA Aruba ClearPass Policy Manager 5K HW Appliance - RADIUS/TACACS+ server with advanced policy control for up to 5,000 unique endpoints. Includes 25 endpoint Enterprise License (Aruba networks CP-HW-5K).....	45,702.00	
27 29 00 00-0447 EA Aruba ClearPass Policy Manager 25K HW Appliance - RADIUS/TACACS+ server with advanced policy control for up to 25,000 unique endpoints. Includes 25 endpoint Enterprise License (Aruba networks CP-HW-25K).....	132,028.00	
27 29 00 00-0448 EA Aruba ClearPass Policy Manager 500 Virtual Appliance - RADIUS/TACACS+ server with advanced policy control for up to 500 unique endpoints. Includes 25 endpoint Enterprise License (Aruba networks CP-VA-500).....	13,202.80	
27 29 00 00-0449 EA Aruba ClearPass Policy Manager 5K Virtual Appliance - RADIUS/TACACS+ server with advanced policy control for up to 5,000 unique endpoints. Includes 25 endpoint Enterprise License (Aruba networks CP-VA-5K).....	30,468.00	
27 29 00 00-0450 EA Aruba ClearPass Policy Manager 25K Virtual Appliance - RADIUS/TACACS+ server with advanced policy control for up to 25,000 unique endpoints. Includes 25 endpoint Enterprise License (Aruba networks CP-VA-25K).....	111,716.00	
27 29 00 00-0451 EA OnGuard License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks LIC-CP-OG-100).....	4,570.20	
27 29 00 00-0452 EA OnGuard License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks LIC-CP-OG-500).....	22,851.00	
27 29 00 00-0453 EA OnGuard License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks LIC-CP-OG-1K).....	36,561.60	
27 29 00 00-0454 EA OnGuard License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks LIC-CP-OG-2500).....	91,404.00	
27 29 00 00-0455 EA OnGuard License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks LIC-CP-OG-5K).....	137,106.00	
27 29 00 00-0456 EA OnGuard License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks LIC-CP-OG-10K).....	274,212.00	
27 29 00 00-0457 EA OnGuard License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks LIC-CP-OG-25K).....	457,020.00	
27 29 00 00-0458 EA OnGuard License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks LIC-CP-OG-50K).....	914,040.00	
27 29 00 00-0459 EA OnGuard License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks LIC-CP-OG-100K).....	1,828,080.00	
27 29 00 00-0460 EA Onboard License for Aruba ClearPass Policy Manager - 100 devices (Aruba networks LIC-CP-OB-100).....	7,109.20	
27 29 00 00-0461 EA Onboard License for Aruba ClearPass Policy Manager - 500 devices (Aruba networks LIC-CP-OB-500).....	34,530.40	
27 29 00 00-0462 EA Onboard License for Aruba ClearPass Policy Manager - 1,000 devices (Aruba networks LIC-CP-OB-1K).....	60,428.20	
27 29 00 00-0463 EA Onboard License for Aruba ClearPass Policy Manager - 2,500 devices (Aruba networks LIC-CP-OB-2500).....	129,489.00	
27 29 00 00-0464 EA Onboard License for Aruba ClearPass Policy Manager - 5,000 devices (Aruba networks LIC-CP-OB-5K).....	233,080.20	
27 29 00 00-0465 EA Onboard License for Aruba ClearPass Policy Manager - 10,000 devices (Aruba networks LIC-CP-OB-10K).....	431,630.00	
27 29 00 00-0466 EA Onboard License for Aruba ClearPass Policy Manager - 25,000 devices (Aruba networks LIC-CP-OB-25K).....	863,260.00	
27 29 00 00-0467 EA Onboard License for Aruba ClearPass Policy Manager - 50,000 devices (Aruba networks LIC-CP-OB-50K).....	1,294,890.00	
27 29 00 00-0468 EA Onboard License for Aruba ClearPass Policy Manager - 100,000 devices (Aruba networks LIC-CP-OB-100K).....	1,929,640.00	
27 29 00 00-0469 EA Guest License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks LIC-CP-GM-100).....	6,093.60	
27 29 00 00-0470 EA Guest License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks LIC-CP-GM-500).....	20,312.00	
27 29 00 00-0471 EA Guest License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks LIC-CP-GM-1K).....	32,499.20	
27 29 00 00-0472 EA Guest License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks LIC-CP-GM-2500).....	81,248.00	
27 29 00 00-0473 EA Guest License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks LIC-CP-GM-5K).....	121,872.00	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 29 00 00-0474	EA	Guest License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks LIC-CP-GM-10K) .....	203,120.00	
27 29 00 00-0475	EA	Guest License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks LIC-CP-GM-25K) .....	406,240.00	
27 29 00 00-0476	EA	Guest License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks LIC-CP-GM-50K) .....	609,360.00	
27 29 00 00-0477	EA	Guest License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks LIC-CP-GM-100K) .....	1,015,600.00	
27 29 00 00-0478	EA	Enterprise License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks LIC-CP-EN-100) .....	8,632.60	
27 29 00 00-0479	EA	Enterprise License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks LIC-CP-EN-500) .....	41,131.80	
27 29 00 00-0480	EA	Enterprise License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks LIC-CP-EN-1K) .....	73,123.20	
27 29 00 00-0481	EA	Enterprise License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks LIC-CP-EN-2500) .....	137,106.00	
27 29 00 00-0482	EA	Enterprise License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks LIC-CP-EN-5K) .....	219,369.60	
27 29 00 00-0483	EA	Enterprise License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks LIC-CP-EN-10K) .....	438,739.20	
27 29 00 00-0484	EA	Enterprise License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks LIC-CP-EN-25K) .....	959,742.00	
27 29 00 00-0485	EA	Enterprise License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks LIC-CP-EN-50K) .....	1,736,676.00	
27 29 00 00-0486	EA	Enterprise License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks LIC-CP-EN-100K) .....	3,473,352.00	
27 29 00 00-0487	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB1-CP-EN-100) .....	4,062.40	
27 29 00 00-0488	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB1-CP-EN-500) .....	18,280.80	
27 29 00 00-0489	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB1-CP-EN-1K) .....	32,499.20	
27 29 00 00-0490	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB1-CP-EN-2500) .....	60,936.00	
27 29 00 00-0491	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB1-CP-EN-5K) .....	97,497.60	
27 29 00 00-0492	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB1-CP-EN-10K) .....	194,995.20	
27 29 00 00-0493	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB1-CP-EN-25K) .....	426,552.00	
27 29 00 00-0494	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB1-CP-EN-50K) .....	771,856.00	
27 29 00 00-0495	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB1-CP-EN-100K) .....	1,543,712.00	
27 29 00 00-0496	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB3-CP-EN-100) .....	9,648.20	
27 29 00 00-0497	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB3-CP-EN-500) .....	45,702.00	
27 29 00 00-0498	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB3-CP-EN-1K) .....	81,248.00	
27 29 00 00-0499	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB3-CP-EN-2500) .....	152,340.00	
27 29 00 00-0500	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB3-CP-EN-5K) .....	243,744.00	
27 29 00 00-0501	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB3-CP-EN-10K) .....	487,488.00	
27 29 00 00-0502	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB3-CP-EN-25K) .....	1,066,380.00	
27 29 00 00-0503	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB3-CP-EN-50K) .....	1,929,640.00	
27 29 00 00-0504	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB3-CP-EN-100K) .....	3,859,280.00	
27 29 00 00-0505	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB5-CP-EN-100) .....	12,187.20	
27 29 00 00-0506	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB5-CP-EN-500) .....	57,381.40	
27 29 00 00-0507	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB5-CP-EN-1K) .....	101,560.00	
27 29 00 00-0508	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB5-CP-EN-2500) .....	190,425.00	
27 29 00 00-0509	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB5-CP-EN-5K) .....	304,680.00	
27 29 00 00-0510	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB5-CP-EN-10K) .....	609,360.00	
27 29 00 00-0511	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB5-CP-EN-25K) .....	1,332,975.00	
27 29 00 00-0512	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB5-CP-EN-50K) .....	2,412,050.00	
27 29 00 00-0513	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB5-CP-EN-100K) .....	4,824,100.00	
27 29 00 00-0514	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 100 devices (Aruba networks SUB1- CP-OB-100) .....	3,046.80	
27 29 00 00-0515	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 500 devices (Aruba networks SUB1- CP-OB-500) .....	15,234.00	
27 29 00 00-0516	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 devices (Aruba networks SUB1-CP-OB-1K) .....	27,421.20	
27 29 00 00-0517	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 devices (Aruba networks SUB1-CP-OB-2500) .....	57,889.20	
27 29 00 00-0518	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 devices (Aruba networks SUB1-CP-OB-5K) .....	103,591.20	
27 29 00 00-0519	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 devices (Aruba networks SUB1-CP-OB-10K) .....	191,948.40	
27 29 00 00-0520	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 devices (Aruba networks SUB1-CP-OB-25K) .....	382,881.20	
27 29 00 00-0521	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 devices (Aruba networks SUB1-CP-OB-50K) .....	574,829.60	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0522 EA Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 devices (Aruba networks SUB1-CP-OB-100K).....	856,150.80	
27 29 00 00-0523 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 100 devices (Aruba networks SUB3-CP-OB-100).....	8,124.80	
27 29 00 00-0524 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 500 devices (Aruba networks SUB3-CP-OB-500).....	38,085.00	
27 29 00 00-0525 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 devices (Aruba networks SUB3-CP-OB-1K).....	67,029.60	
27 29 00 00-0526 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 devices (Aruba networks SUB3-CP-OB-2500).....	143,707.40	
27 29 00 00-0527 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 devices (Aruba networks SUB3-CP-OB-5K).....	258,978.00	
27 29 00 00-0528 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 devices (Aruba networks SUB3-CP-OB-10K).....	478,347.60	
27 29 00 00-0529 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 devices (Aruba networks SUB3-CP-OB-25K).....	958,218.60	
27 29 00 00-0530 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 devices (Aruba networks SUB3-CP-OB-50K).....	1,437,074.00	
27 29 00 00-0531 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 devices (Aruba networks SUB3-CP-OB-100K).....	2,141,900.40	
27 29 00 00-0532 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 100 devices (Aruba networks SUB5-CP-OB-100).....	10,156.00	
27 29 00 00-0533 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 500 devices (Aruba networks SUB5-CP-OB-500).....	47,733.20	
27 29 00 00-0534 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 devices (Aruba networks SUB5-CP-OB-1K).....	84,294.80	
27 29 00 00-0535 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 devices (Aruba networks SUB5-CP-OB-2500).....	180,269.00	
27 29 00 00-0536 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 devices (Aruba networks SUB5-CP-OB-5K).....	323,976.40	
27 29 00 00-0537 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 devices (Aruba networks SUB5-CP-OB-10K).....	600,219.60	
27 29 00 00-0538 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 devices (Aruba networks SUB5-CP-OB-25K).....	1,199,931.40	
27 29 00 00-0539 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 devices (Aruba networks SUB5-CP-OB-50K).....	1,797,612.00	
27 29 00 00-0540 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 devices (Aruba networks SUB5-CP-OB-100K).....	2,682,199.60	
27 29 00 00-0541 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB1-CP-GM-100).....	2,539.00	
27 29 00 00-0542 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB1-CP-GM-500).....	9,140.40	
27 29 00 00-0543 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB1-CP-GM-1K).....	14,726.20	
27 29 00 00-0544 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB1-CP-GM-2500).....	36,053.80	
27 29 00 00-0545 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB1-CP-GM-5K).....	54,334.60	
27 29 00 00-0546 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB1-CP-GM-10K).....	90,388.40	
27 29 00 00-0547 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB1-CP-GM-25K).....	180,269.00	
27 29 00 00-0548 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB1-CP-GM-50K).....	271,165.20	
27 29 00 00-0549 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB1-CP-GM-100K).....	450,926.40	
27 29 00 00-0550 EA Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB3-CP-GM-100).....	7,109.20	
27 29 00 00-0551 EA Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB3-CP-GM-500).....	22,343.20	
27 29 00 00-0552 EA Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB3-CP-GM-1K).....	36,053.80	
27 29 00 00-0553 EA Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB3-CP-GM-2500).....	90,388.40	
27 29 00 00-0554 EA Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB3-CP-GM-5K).....	135,074.80	
27 29 00 00-0555 EA Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB3-CP-GM-10K).....	225,463.20	
27 29 00 00-0556 EA Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB3-CP-GM-25K).....	450,926.40	
27 29 00 00-0557 EA Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB3-CP-GM-50K).....	676,389.60	
27 29 00 00-0558 EA Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB3-CP-GM-100K).....	1,127,316.00	
27 29 00 00-0559 EA Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB5-CP-GM-100).....	8,632.60	
27 29 00 00-0560 EA Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB5-CP-GM-500).....	28,436.80	
27 29 00 00-0561 EA Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB5-CP-GM-1K).....	45,194.20	
27 29 00 00-0562 EA Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB5-CP-GM-2500).....	112,731.60	
27 29 00 00-0563 EA Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB5-CP-GM-5K).....	169,605.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0564 EA Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB5-CP-GM-10K) .....	282,336.80	
27 29 00 00-0565 EA Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB5-CP-GM-25K) .....	564,673.60	
27 29 00 00-0566 EA Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB5-CP-GM-50K) .....	847,010.40	
27 29 00 00-0567 EA Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB5-CP-GM-100K) .....	1,411,684.00	
27 29 00 00-0568 EA OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB1-CP-OG-100) .....	2,031.20	
27 29 00 00-0569 EA OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB1-CP-OG-500) .....	10,156.00	
27 29 00 00-0570 EA OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB1-CP-OG-1K) .....	16,249.60	
27 29 00 00-0571 EA OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB1-CP-OG-2500) .....	40,624.00	
27 29 00 00-0572 EA OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB1-CP-OG-5K) .....	60,936.00	
27 29 00 00-0573 EA OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB1-CP-OG-10K) .....	121,872.00	
27 29 00 00-0574 EA OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB1-CP-OG-25K) .....	202,104.40	
27 29 00 00-0575 EA OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB1-CP-OG-50K) .....	405,224.40	
27 29 00 00-0576 EA OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB1-CP-OG-100K) .....	811,464.40	
27 29 00 00-0577 EA OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB3-CP-OG-100) .....	6,093.60	
27 29 00 00-0578 EA OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB3-CP-OG-500) .....	25,390.00	
27 29 00 00-0579 EA OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB3-CP-OG-1K) .....	40,624.00	
27 29 00 00-0580 EA OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB3-CP-OG-2500) .....	101,560.00	
27 29 00 00-0581 EA OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB3-CP-OG-5K) .....	152,340.00	
27 29 00 00-0582 EA OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB3-CP-OG-10K) .....	303,664.40	
27 29 00 00-0583 EA OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB3-CP-OG-25K) .....	506,784.40	
27 29 00 00-0584 EA OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB3-CP-OG-50K) .....	1,014,584.40	
27 29 00 00-0585 EA OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB3-CP-OG-100K) .....	2,029,168.80	
27 29 00 00-0586 EA OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB5-CP-OG-100) .....	6,601.40	
27 29 00 00-0587 EA OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB5-CP-OG-500) .....	31,483.60	
27 29 00 00-0588 EA OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB5-CP-OG-1K) .....	50,780.00	
27 29 00 00-0589 EA OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB5-CP-OG-2500) .....	126,950.00	
27 29 00 00-0590 EA OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB5-CP-OG-5K) .....	203,120.00	
27 29 00 00-0591 EA OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB5-CP-OG-10K) .....	380,850.00	
27 29 00 00-0592 EA OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB5-CP-OG-25K) .....	634,750.00	
27 29 00 00-0593 EA OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB5-CP-OG-50K) .....	1,270,515.60	
27 29 00 00-0594 EA OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB5-CP-OG-100K) .....	2,539,000.00	
27 29 00 00-0595 EA 1-year Aruba QuickConnect Cloud Service Subscription - 1-1,000 users (price per user) - Includes support. (Aruba networks QC-1-C) .....	12.19	
27 29 00 00-0596 EA 1-year Aruba QuickConnect Cloud Service Subscription - 1,001-5,000 users (price per user) - Includes support. (Aruba networks QC-2-C) .....	9.14	
27 29 00 00-0597 EA 1-year Aruba QuickConnect Cloud Service Subscription - 5,001-10,000 users (price per user) - Includes support. (Aruba networks QC-3-C) .....	7.11	
27 29 00 00-0598 EA 1-year Aruba QuickConnect Cloud Service Subscription - Increments of 10,000 users (price per user) - Includes support. (Aruba networks QC-4-C) .....	5.08	
<b>27 29 00 00-0599 Aruba Instant Access Points (27 29 00 00-0001)</b>		
27 29 00 00-0600 EA Aruba Instant 92 Wireless Access Point, 802.11abgn, dual-band, single radio, antenna connectors. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-92) .....	802.32	
27 29 00 00-0601 EA Aruba Instant 92 Wireless Access Point, 802.11abgn, dual-band, single radio, antenna connectors. Restricted Regulatory Domain - US (Aruba networks IAP-92-US) .....	802.32	
27 29 00 00-0602 EA Aruba Instant 92 Wireless Access Point, 802.11abgn, dual-band, single radio, antenna connectors. Restricted Regulatory Domain - IL (Aruba networks IAP-92-IL) .....	802.32	
27 29 00 00-0603 EA Aruba Instant 92 Wireless Access Point, 802.11abgn, dual-band, single radio, antenna connectors. Restricted Regulatory Domain - JP (Aruba networks IAP-92-JP) .....	802.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0604 EA Aruba Instant 93 Wireless Access Point, 802.11abgn, dual-band, single radio, integrated antennas. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-93).....	802.32	
27 29 00 00-0605 EA Aruba Instant 93 Wireless Access Point, 802.11abgn, dual-band, single radio, integrated antennas. Restricted Regulatory Domain - US (Aruba networks IAP-93-US).....	802.32	
27 29 00 00-0606 EA Aruba Instant 93 Wireless Access Point, 802.11abgn, dual-band, single radio, integrated antennas. Restricted Regulatory Domain - IL (Aruba networks IAP-93-IL).....	802.32	
27 29 00 00-0607 EA Aruba Instant 93 Wireless Access Point, 802.11abgn, dual-band, single radio, integrated antennas. Restricted Regulatory Domain - JP (Aruba networks IAP-93-JP).....	802.32	
27 29 00 00-0608 EA Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-104).....	1,411.68	
27 29 00 00-0609 EA Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Restricted Regulatory Domain - US (Aruba networks IAP-104-US).....	1,411.68	
27 29 00 00-0610 EA Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Restricted Regulatory Domain - IL (Aruba networks IAP-104-IL).....	1,411.68	
27 29 00 00-0611 EA Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Restricted Regulatory Domain - JP (Aruba networks IAP-104-JP).....	1,411.68	
27 29 00 00-0612 EA Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-104-F1).....	1,614.80	
27 29 00 00-0613 EA Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-104-USF1).....	1,614.80	
27 29 00 00-0614 EA Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-105).....	1,411.68	
27 29 00 00-0615 EA Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Restricted Regulatory Domain - US (Aruba networks IAP-105-US).....	1,411.68	
27 29 00 00-0616 EA Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Restricted Regulatory Domain - IL (Aruba networks IAP-105-IL).....	1,411.68	
27 29 00 00-0617 EA Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Restricted Regulatory Domain - JP (Aruba networks IAP-105-JP).....	1,411.68	
27 29 00 00-0618 EA Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-105-F1).....	1,614.80	
27 29 00 00-0619 EA Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-105-USF1).....	1,614.80	
27 29 00 00-0620 EA Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-135).....	2,224.16	
27 29 00 00-0621 EA Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Restricted Regulatory Domain - US (Aruba networks IAP-135-US).....	2,224.16	
27 29 00 00-0622 EA Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Restricted Regulatory Domain - IL (Aruba networks IAP-135-IL).....	2,224.16	
27 29 00 00-0623 EA Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Restricted Regulatory Domain - JP (Aruba networks IAP-135-JP).....	2,224.16	
27 29 00 00-0624 EA Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-135-F1).....	2,630.40	
27 29 00 00-0625 EA Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-135-USF1).....	2,630.40	
27 29 00 00-0626 EA Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-134).....	2,224.16	
27 29 00 00-0627 EA Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Restricted Regulatory Domain - US (Aruba networks IAP-134-US).....	2,224.16	
27 29 00 00-0628 EA Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Restricted Regulatory Domain - IL (Aruba networks IAP-134-IL).....	2,224.16	
27 29 00 00-0629 EA Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Restricted Regulatory Domain - JP (Aruba networks IAP-134-JP).....	2,224.16	
27 29 00 00-0630 EA Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-134-F1).....	2,630.40	
27 29 00 00-0631 EA Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-134-USF1).....	2,630.40	
27 29 00 00-0632 EA Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-175P).....	4,661.60	
27 29 00 00-0633 EA Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Restricted Regulatory Domain - US (Aruba networks IAP-175P-US).....	4,661.60	
27 29 00 00-0634 EA Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Restricted Regulatory Domain - IL (Aruba networks IAP-175P-IL).....	4,661.60	
27 29 00 00-0635 EA Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Restricted Regulatory Domain - JP (Aruba networks IAP-175P-JP).....	4,661.60	
27 29 00 00-0636 EA Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-175P-F1).....	5,372.52	
27 29 00 00-0637 EA Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-175P-USF1).....	5,372.52	
27 29 00 00-0638 EA Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-175AC).....	5,270.96	
27 29 00 00-0639 EA Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Restricted Regulatory Domain - US (Aruba networks IAP-175AC-US).....	5,270.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0640 EA Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Restricted Regulatory Domain - IL (Aruba networks IAP-175AC-IL).....	5,270.96	
27 29 00 00-0641 EA Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Restricted Regulatory Domain - JP (Aruba networks IAP-175AC-JP).....	5,270.96	
27 29 00 00-0642 EA Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-175AC-F1).....	6,083.44	
27 29 00 00-0643 EA Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-175AC-USF1).....	6,083.44	
<b>27 29 00 00-0644 ARUBA S3500 Mobility Access Switch (27 29 00 00-0001)</b>		
27 29 00 00-0645 EA S3500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. RoW regulatory (NOT for deployments in USA or Israel). (Aruba networks S3500-24P).....	8,114.64	
27 29 00 00-0646 EA S3500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. US regulatory (for deployments in USA only). (Aruba networks S3500-24P-US).....	8,114.64	
27 29 00 00-0647 EA S3500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. IL regulatory (for deployments in Israel only). (Aruba networks S3500-24P-IL).....	8,114.64	
27 29 00 00-0648 EA S3500-24T Mobility Access Switch with 24 10/100/1000BASE-T ports and optional uplink module slot (uplink module ordered separately). Includes 350W AC power supply. (Aruba networks S3500-24T).....	6,489.68	
27 29 00 00-0649 EA S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. RoW regulatory (NOT for deployments in USA or Israel). (Aruba networks S3500-48P).....	14,208.24	
27 29 00 00-0650 EA S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. US regulatory (for deployments in USA only). (Aruba networks S3500-48P-US).....	14,208.24	
27 29 00 00-0651 EA S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. IL regulatory (for deployments in Israel only). (Aruba networks S3500-48P-IL).....	14,208.24	
27 29 00 00-0652 EA S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 1050W AC power supply. RoW regulatory (NOT for deployments in USA or Israel). (Aruba networks S3500-48PF).....	15,223.84	
27 29 00 00-0653 EA S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 1050W AC power supply. US regulatory (for deployments in USA only). (Aruba networks S3500-48PF-US).....	15,223.84	
27 29 00 00-0654 EA S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 1050W AC power supply. IL regulatory (for deployments in Israel only). (Aruba networks S3500-48PF-IL).....	15,223.84	
27 29 00 00-0655 EA S3500-48T Mobility Access Switch with 48 10/100/1000BASE-T ports and optional uplink module slot (uplink module ordered separately). Includes 350W AC power supply. (Aruba networks S3500-48T).....	11,161.44	
27 29 00 00-0656 EA S3500-24F Mobility Access Switch with 24 GbE SFP ports (optics ordered separately) and optional uplink module slot (uplink module ordered separately). Includes 350W AC power supply. (Aruba networks S3500-24F).....	14,208.24	
27 29 00 00-0657 EA S3500 Uplink Module with 4 GbE/10GbE SFP/SFP+ (pluggable transceivers ordered separately) for use with S3500-24T, -24P, -48T, -48P and -48PF. Provides uplinks and ArubaStack interconnects. Includes one 50cm direct-attach cable (DAC) for ArubaStack. (Aruba networks S3500-4x10G).....	3,036.64	
27 29 00 00-0658 EA 350W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for 7200 Series, S3500-24T and S3500-48T. (Aruba networks PSU-350-AC).....	1,005.44	
27 29 00 00-0659 EA 600W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for S3500-24P, -48P, -24T, -48T. (Aruba networks PSU-600-AC).....	2,021.04	
27 29 00 00-0660 EA 1050W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for S3500-24P, -48P, -24T, -48T. (Aruba networks PSU-1050-AC).....	3,036.64	
<b>27 29 00 00-0661 ARUBA S2500 Mobility Access Switch (27 29 00 00-0001)</b>		
27 29 00 00-0662 EA S2500-24T Mobility Access Switch with 24 10/100/1000BASE-T ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. (Aruba networks S2500-24T).....	6,083.44	
27 29 00 00-0663 EA S2500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. RoW regulatory (NOT for deployments in USA or Israel). (Aruba networks S2500-24P).....	7,708.40	
27 29 00 00-0664 EA S2500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. US regulatory (for deployments in USA only). (Aruba networks S2500-24P-US).....	7,708.40	
27 29 00 00-0665 EA S2500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. IL regulatory (for deployments in Israel only). (Aruba networks S2500-24P-IL).....	7,708.40	
27 29 00 00-0666 EA S2500-48T Mobility Access Switch with 48 10/100/1000BASE-T ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. (Aruba networks S2500-48T).....	10,552.08	
27 29 00 00-0667 EA S2500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. RoW regulatory (NOT for deployments in USA or Israel). (Aruba networks S2500-48P).....	13,802.00	
27 29 00 00-0668 EA S2500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. US regulatory (for deployments in USA only). (Aruba networks S2500-48P-US).....	13,802.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0669 EA S2500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. IL regulatory (for deployments in Israel only). (Aruba networks S2500-48P-IL) .....	13,802.00	
<b>27 29 00 00-0670 ARUBA Mobility Access Switch Pluggable Transceivers</b> (27 29 00 00-0001)		
27 29 00 00-0671 EA 10GBASE-LRM SFP+; 1310nm pluggable 10GbE optic; LC connector; up to 220 meters over multi-mode fiber (Type OM2) (Aruba networks SFP-10GE-LRM) .....	2,731.96	
27 29 00 00-0672 EA 10GBASE-SR SFP+; 850nm pluggable 10GbE optic; LC connector; up to 300 meters over multi-mode fiber (Type OM3) (Aruba networks SFP-10GE-SR) .....	2,528.84	
27 29 00 00-0673 EA 10GBASE-LR SFP+; 1310nm pluggable 10GbE optic; LC connector; up to 10,000 meters over single-mode fiber (Aruba networks SFP-10GE-LR) .....	5,067.84	
27 29 00 00-0674 EA 50cm length, 10GbE SFP+ direct attach cable (DAC); copper Twinax connectors on both ends for ArubaStack or interconnect between servers and switch (Aruba networks DAC-SFP-10GE-50CM) .....	294.52	
27 29 00 00-0675 EA 1m length, 10GbE SFP+ direct attach cable (DAC); copper Twinax connectors on both ends for ArubaStack or interconnect between servers and switch (Aruba networks DAC-SFP-10GE-1M) .....	335.15	
27 29 00 00-0676 EA 3m length, 10GbE SFP+ direct attach cable (DAC); copper Twinax connectors on both ends for ArubaStack or interconnect between servers and switch (Aruba networks DAC-SFP-10GE-3M) .....	396.08	
27 29 00 00-0677 EA 5m length, 10GbE SFP+ direct attach cable (DAC); copper Twinax connectors on both ends for ArubaStack or interconnect between servers and switch (Aruba networks DAC-SFP-10GE-5M) .....	457.02	
27 29 00 00-0678 EA 7m length, 10GbE SFP+ direct attach cable (DAC); copper Twinax connectors on both ends for ArubaStack or interconnect between servers and switch (Aruba networks DAC-SFP-10GE-7M) .....	497.64	
27 29 00 00-0679 EA 1000BASE-SX SFP; 850nm pluggable GbE optic; LC connector; up to 300 meters over multi-mode fiber (Type OM2) (Aruba networks SFP-SX) .....	802.32	
<b>27 29 00 00-0680 ARUBA Mobility Access Switch Accessories And Spares</b> (27 29 00 00-0001)		
27 29 00 00-0681 EA 350W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for 7200 Series, S3500-24T and S3500-48T. (Aruba networks PSU-350-AC) .....	1,005.44	
27 29 00 00-0682 EA 600W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for S3500-24P, -48P, -24T, -48T. (Aruba networks PSU-600-AC) .....	2,021.04	
27 29 00 00-0683 EA 1050W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for S3500-24P, -48P, -24T, -48T. (Aruba networks PSU-1050-AC) .....	3,036.64	
27 29 00 00-0684 EA 7200 Series or S3500 Spare Two-Post Rack-Mount Kit. Used to front-mount or mid-mount the 7200 Series or S3500 to a 19" rack. May also be used to front-mount (only) the S2500 to 19" rack. (Aruba networks SPR-RK-MNT) .....	152.34	
27 29 00 00-0685 EA 7200 Series or S3500 Four-Post 19" Rack-Mount Kit. Used for mounting the 7200 Series or S3500 in cabinets. (Aruba networks SPR-4RK-MNT) .....	192.96	
27 29 00 00-0686 EA 7200 Series or S3500 Wall Mount Kit. Used for wall mounting of 7200 Series or S3500. (Aruba networks SPR-WL-MNT) .....	192.96	
27 29 00 00-0687 EA S2500 Wall Mount Kit. Used for wall mounting of S2500 or mid-mounting of S2500 to 19" rack. (Aruba networks SPR-WL2-MNT) .....	192.96	
27 29 00 00-0688 EA S3500 Spare Fan Tray. Field-replaceable for S3500-24P, -48P, -24T and -48T. (Aruba networks SPR-FAN-14) .....	396.08	
27 29 00 00-0689 EA 7200 Series and S3500 Power Supply Blank Faceplate Spare. Cover for unused power supply bay. (Aruba networks PSU-PWBLNK) .....	91.40	
27 29 00 00-0690 EA S3500 Uplink Module Faceplate Spare. Cover for unused uplink module slot. (Aruba networks SPR-ULBLNK) .....	91.40	
<b>27 29 00 00-0691 Tripp Lite - Devices</b> (27 29)		
27 29 00 00-0692 EA Relocateable Power Taps, 5 outlets, 6' cord, Metal-Receptacle Series, no switch. Blue/Gray Color With Tabs (Tripp Lite 602) .....	58.50	
27 29 00 00-0693 EA Tripp Lite Minicom Category 5 SMART KVM Extender PS/2 2-Port KVM TAA GSA (Tripp Lite 0DT23001) .....	841.28	
27 29 00 00-0694 EA Tripp Lite Minicom Mini KVM Console Switch Extender PS/2 Kit TAA GSA (Tripp Lite 0DT23008) .....	681.57	
27 29 00 00-0695 EA Tripp Lite Minicom Mini KVM Console Switch Extender USB Kit TAA GSA (Tripp Lite 0DT23010) .....	841.28	
27 29 00 00-0696 EA Tripp Lite Minicom KVM Extender USB local port + 2-Port KVM TAA GSA (Tripp Lite 0DT60001) .....	841.28	
27 29 00 00-0697 EA Tripp Lite Minicom PS2 to USB Converter for KVM Switch And Extender TAA GSA (Tripp Lite 0DT60002) .....	282.32	
27 29 00 00-0698 EA Minicom Access IT 10 User Remote Access Management TAA GSA (Tripp Lite 0SU00018) .....	22,749.44	
27 29 00 00-0699 EA Minicom Access IT 20 User Remote Access Management TAA GSA (Tripp Lite 0SU00019) .....	64,592.16	
27 29 00 00-0700 EA Tripp Lite Minicom SMART 108 8-Port Category 5 KVM Switch PS/2 USB 1URM TAA GSA (Tripp Lite 0SU22081) .....	1,126.46	
27 29 00 00-0701 EA Tripp Lite Minicom SMART 116 16-Port Category 5 KVM Switch PS/2 USB 1URM TAA GSA (Tripp Lite 0SU22082) .....	1,411.64	
27 29 00 00-0702 EA Tripp Lite Minicom SMART 216 16-Port Category 5 KVM Switch PS/2 USB 1URM TAA GSA (Tripp Lite 0SU22090) .....	2,248.82	
27 29 00 00-0703 EA Tripp Lite Minicom SMART 232 32-Port Category 5 KVM Switch PS/2 USB 1URM TAA GSA (Tripp Lite 0SU22091) .....	4,691.79	
27 29 00 00-0704 EA Tripp Lite Minicom SMART 108 SPU 8-Port Category 5 KVM Switch PS/2 USB 1U TAA GSA (Tripp Lite 0SU22181) .....	1,269.05	
27 29 00 00-0705 EA Tripp Lite Minicom SMART 116 SPU 16-Port Category 5 KVM Switch PS/2 1URM TAA GSA (Tripp Lite 0SU22182) .....	1,554.23	
27 29 00 00-0706 EA Minicom USB Remote Unit for Phantom Specter KVM Switch TAA GSA (Tripp Lite 0SU51011) .....	643.91	
27 29 00 00-0707 EA Minicom PS/2 Remote Unit for Phantom Specter KVM Switch TAA GSA (Tripp Lite 0SU51012) .....	417.41	
27 29 00 00-0708 EA Minicom 8PK PS/2 Remote Unit Phantom Specter KVM Switch TAA GSA (Tripp Lite 0SU51060) .....	3,203.34	
27 29 00 00-0709 EA Tripp Lite Minicom SMART IP Access 2-Port Remote KVM Over IP NIC TAA GSA (Tripp Lite 0SU51068) .....	2,112.45	
27 29 00 00-0710 EA Tripp Lite Minicom ROC PS/2 Server Interface Unit for Smart KVM HD15 PS/2 (Tripp Lite 0SU51078) .....	168.24	
27 29 00 00-0711 EA Tripp Lite Minicom ROC USB Server Interface Unit for Smart KVM HD15 USB (Tripp Lite 0SU51079) .....	225.28	
27 29 00 00-0712 EA Tripp Lite Minicom 8PK ROC USB Server Interface Unit for Smart KVM HD15 USB (Tripp Lite 0SU51079/8) .....	1,682.59	
27 29 00 00-0713 EA Minicom Phantom Specter 1 User Category 5 KVM Switch TAA GSA (Tripp Lite 0SU52015) .....	1,181.02	
27 29 00 00-0714 EA Minicom Phantom MXII 2 User for Phantom Specter KVM TAA GSA (Tripp Lite 0SU52016) .....	1,925.25	
27 29 00 00-0715 EA Tripp Lite Minicom SMARTTRACK 116 16-Port Category 5 KVM Rack Console LCD TAA GSA (Tripp Lite 0SU52091) .....	6,439.03	
27 29 00 00-0716 EA Tripp Lite Minicom Power on Cable PX / IP Remote Access 90-160 Volt AC TAA GSA (Tripp Lite 0SU60020) .....	481.96	
27 29 00 00-0717 EA Tripp Lite Minicom KVM IP Control Local and Remote Serial Access TAA GSA (Tripp Lite 0SU70017) .....	2,087.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0718 EA Tripp Lite Minicom PX USB 1-Port Remote KVM Access Virtual Media TAA GSA (Tripp Lite 0SU70028).....	1,763.47	
27 29 00 00-0719 EA Tripp Lite Minicom SMART 116 IP 16-Port Category 5 KVM Switch 1URM TAA GSA (Tripp Lite 0SU70030).....	2,837.55	
27 29 00 00-0720 EA Tripp Lite Minicom SMART 108 IP 8-Port Category 5 KVM Switch 1URM TAA GSA (Tripp Lite 0SU70032).....	2,388.69	
27 29 00 00-0721 EA Tripp Lite Minicom PX SERIAL 1-Port Remote IP KVM Access TAA GSA (Tripp Lite 0SU70033).....	954.54	
27 29 00 00-0722 EA Tripp Lite Minicom SMART 216 IP 16-Port Category 5 KVM Switch 2+1 User 1U TAA GSA (Tripp Lite 0SU70036).....	5,719.86	
27 29 00 00-0723 EA Tripp Lite Minicom SMART 232 IP 32-Port Category 5 KVM Switch 2+1 User 1U TAA GSA (Tripp Lite 0SU70037).....	7,425.95	
27 29 00 00-0724 EA Minicom PX USB External Power Supply for 0SU70028 KVM IP (Tripp Lite 0SU70042).....	54.17	
27 29 00 00-0725 EA Tripp Lite Minicom SMARTRACK 116 16-Port IP Category 5 KVM Rack Console LCD TAA (Tripp Lite 0SU70050).....	7,603.90	
27 29 00 00-0726 EA Tripp Lite Minicom PX USB Remote KVM Access w Power On Cable TAA GSA (Tripp Lite 0SU70068).....	2,087.04	
27 29 00 00-0727 EA Tower kit with 2 base stands. Converts 19" rack products to tower. Expandable from 2U to 9U. (Tripp Lite 2-9USTAND).....	202.10	
27 29 00 00-0728 EA 2-Post RM Kit for 3U and Larger UPS, Transformer, Battery Pack (Tripp Lite 2POSTRMKITHD).....	304.68	
27 29 00 00-0729 EA Horizontal mounting rails for 2 post rackmount/wallmount installation. Easy installation. Fits all 2 post racks. For all current rackmount UPS or battery packs. (Tripp Lite 2POSTRMKITWM).....	213.28	
27 29 00 00-0730 EA Relocateable Power Taps, 3 outlets, 6' cord, Metal-Receptacle Series, master switch pilot light. Blue/Gray Color With Tabs (Tripp Lite 3SP).....	51.19	
27 29 00 00-0731 EA SmartRack Installation Kit for UPS up to 250lbs (Tripp Lite 4POSTRAILKIT).....	181.91	
27 29 00 00-0732 EA Universal Adjustable Rack Enclosure Server Cabinet Shelf Kit 1U (Tripp Lite 4POSTRAILKIT1U).....	145.35	
27 29 00 00-0733 EA Relocateable Power Taps, 4 outlets, 6' cord, Metal-Duplex Series, master switch pilot light. Beige Color Without tabs (Tripp Lite 4SPDX).....	54.84	
27 29 00 00-0734 EA Minicom PX USB Power-on-Cable Kit for 0SU70028 KVM IP (Tripp Lite 5CB00615).....	111.21	
27 29 00 00-0735 EA Relocateable Power Taps, 5 outlets, 15' cord, Metal-Receptacle Series, no switch. Blue/Gray Color With Tabs (Tripp Lite 602-15).....	76.78	
27 29 00 00-0736 EA Relocateable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, master on/off switch. Beige Color Without Tabs (Tripp Lite 6NX-6).....	47.53	
27 29 00 00-0737 EA Relocateable Power Taps, 6 outlets, 6' cord, Metal-Receptacle Series, master switch pilot light. Blue/Gray Color With Tabs (Tripp Lite 6SP).....	80.44	
27 29 00 00-0738 EA Relocateable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, master switch pilot light. Beige Color Without tabs (Tripp Lite 6SPDX).....	60.33	
27 29 00 00-0739 EA Relocateable Power Taps, 6 outlets, 5' cord, Metal-Duplex Series, master switch pilot light. Beige Color Without tabs (Tripp Lite 6SPDX-15).....	76.78	
27 29 00 00-0740 EA 12V 75 AH Sealed Maintenance-Free Battery for all APS Models (Tripp Lite 98-121).....	877.48	
27 29 00 00-0741 EA Composite Video Gold Cable (superior insulation, silver-coated copper center cond.) RCA M/M - 6 ft. (Tripp Lite A004-006).....	12.33	
27 29 00 00-0742 EA Composite Video Gold Cable w Silver Plated Center Conductor, RCA M/M, 12' (Tripp Lite A004-012).....	17.94	
27 29 00 00-0743 EA Component Video Keystone Snap-In Module Kit Red, Green, Blue (Tripp Lite A008-000-KJ).....	30.81	
27 29 00 00-0744 EA Component Video Gold Cable (silver-coated copper center cond.) 3xRCA M/M - 6 ft. (Tripp Lite A008-006).....	39.22	
27 29 00 00-0745 EA Component Video Gold Cable w Silver Plated Center Conductor, 3xRCA M/M, 12' (Tripp Lite A008-012).....	50.43	
27 29 00 00-0746 EA S-Video Gold Cable - 6 ft. (Tripp Lite A012-006).....	16.82	
27 29 00 00-0747 EA S-Video Gold Cable, MD4M/M, 12' (Tripp Lite A012-012).....	28.01	
27 29 00 00-0748 EA Composite Video Keystone Snap-In Module Kit Red, White, Yellow (Tripp Lite A020-000-KJ).....	30.81	
27 29 00 00-0749 EA Audio Keystone Snap-In Module Kit RCA Couplers Red, White (Tripp Lite A050-000-KJ).....	20.74	
27 29 00 00-0750 EA High Resolution Gold Audio Cables (silver-coated copper center cond.) 2xRCA M/M - 6 ft. (Tripp Lite A050-006).....	22.40	
27 29 00 00-0751 EA RF Digital Coax Gold Audio Cable (silver-coated copper center cond.) RCA M/M - 6 ft. (Tripp Lite A060-006).....	14.02	
27 29 00 00-0752 EA RF Digital Coax Gold Audio Cable w Silver Plated Center Conductor, RCA M/M, 12' (Tripp Lite A060-012).....	22.40	
27 29 00 00-0753 EA Digital Optical Audio Cable, 2x Toslink, 1M (3') (Tripp Lite A102-01M).....	22.40	
27 29 00 00-0754 EA Digital Optical Audio Cable, 2xToslink - 2M (Tripp Lite A102-02M).....	28.01	
27 29 00 00-0755 EA Digital Optical Audio Cable, 2x Toslink, 3M (10') (Tripp Lite A102-03M).....	33.62	
27 29 00 00-0756 EA Digital Optical Audio Cable, 2x Toslink, 12' (Tripp Lite A102-04M).....	39.22	
27 29 00 00-0757 EA RG59 Coax Cable with F-Type Connectors - 6ft (Tripp Lite A200-006).....	14.02	
27 29 00 00-0758 EA RG59 Coax Cable with F-Type Connectors - 12ft (Tripp Lite A200-012).....	21.29	
27 29 00 00-0759 EA RG59 Coax Cable with F-Type Connectors - 25ft (Tripp Lite A200-025).....	33.62	
27 29 00 00-0760 EA 2,000 Continuous Watt, 3,000 Overpower Watt, 4,000 Doubleboost Watt Hardwired 2,000 VA, 12 Volt DC, RJ45 Remote Port. 60/15 Amperes, (selectable) Regulated Charger. (Tripp Lite APS INT2012).....	2,334.86	
27 29 00 00-0761 EA 2,400 Continuous Watt, 3,600 Overpower Watt, 4,800 Doubleboost Watt Hardwired 2,400 VA, 24 Volt DC, RJ45 Remote Port. 30/7.5 Amperes, (selectable) Regulated Charger. (Tripp Lite APS INT2424).....	2,624.31	
27 29 00 00-0762 EA 1000W 12V Inverter / Charger Pure Sine Wave 120V 4A/40A Hardwire (Tripp Lite APS1012SW).....	2,358.22	
27 29 00 00-0763 EA 12 Volt DC to AC Inverter with Automatic Line-to-Battery, 30 Amperes Charger, 1,250 continuous wattage, 1,875 overpower wattage, 2,500 doubleboost wattage, 2 AC outlets (Tripp Lite APS1250).....	1,506.34	
27 29 00 00-0764 EA 12 Volt DC to AC Inverter with Automatic Line-to-Battery, 100/25 Amperes Charger, 2,000 continuous wattage, 3,000 overpower wattage, 4,000 doubleboost wattage, Hardwired (Tripp Lite APS2012).....	2,211.98	
27 29 00 00-0765 EA 2000W 12V Inverter / Charger Pure Sine Wave 120V 8A/80A Hardwire (Tripp Lite APS2012SW).....	3,071.17	
27 29 00 00-0766 EA 24 Volt DC to AC Inverter with Automatic Line-to-Battery, 55/14 Amperes Charger, 2,400 continuous wattage, 3,600 overpower wattage, 4,800 doubleboost wattage, Hardwired (Tripp Lite APS2424).....	2,486.19	
27 29 00 00-0767 EA 48V DC to AC Inverter with Automatic Line-to-Battery 15amp Charger 2400 continuous wattage 3600 overpower wattage 4800 doubleboost wattage Hardwired (Tripp Lite APS2448UL).....	2,562.97	
27 29 00 00-0768 EA 36 Volt DC to AC Inverter with Automatic Line-to-Battery 30 Amperes Charger 3,600 continuous wattage, 5,400 overpower wattage, 7,200 doubleboost wattage, Hardwired (Tripp Lite APS3636VR).....	3,111.39	
27 29 00 00-0769 EA 12 Volt DC to AC Compact Inverter with Automatic Line-to-Battery, 20 Amperes Charger, 700 continuous wattage, 1,050 overpower wattage, 1,400 doubleboost wattage, 1 AC outlets (Tripp Lite APS700HF).....	859.20	
27 29 00 00-0770 EA 12 Volt DC to AC Inverter with Automatic Line-to-Battery, 20 Amperes Charger, 750 continuous wattage, 1,125 overpower wattage, 1,500 doubleboost wattage, 2 AC outlets (Tripp Lite APS750).....	1,093.19	
27 29 00 00-0771 EA 3,600 Continuous Watt, 5,400 Overpower Watt, 7,200 Doubleboost Watt Hardwired 3600VA, 36 Volt DC, RJ45 Remote Port. 30 Amperes (selectable) Regulated Charger. Voltage Regulated. (Tripp Lite APSINT3636VR).....	3,284.25	
27 29 00 00-0772 EA Remote Control Module for APS/PV Models with RJ45 Ports includes Mounting Plate And Cords (Tripp Lite APSRM4).....	361.55	
27 29 00 00-0773 EA Remote Control for Sine Wave Inverter / Chargers (Tripp Lite APSRMSW).....	361.55	
27 29 00 00-0774 EA 1000W 12V International Inverter / Charger Pure Sine Wave 230V 4A/40A Hardwire (Tripp Lite APSX1012SW).....	2,886.74	
27 29 00 00-0775 EA 1,250 Continuous Watt, 1,875 Overpower Watt, 2,500 Doubleboost Watt, 2 AC Outlets 1250 VA, 12 Volt DC, RJ45 Remote Port. 30/7.5 Amperes (selectable) Regulated Charger. (Tripp Lite APSX1250).....	1,590.02	
27 29 00 00-0776 EA 2000W 12V International Inverter / Charger Pure Sine Wave 230V 8A/80A Hardwire (Tripp Lite APSX2012SW).....	3,241.80	
27 29 00 00-0777 EA 750 Continuous Watt, 1,125 Overpower Watt, 1,500 Doubleboost Watt, 2 AC Outlets 750VA, 12 Volt DC, RJ45 Remote Port, 20 Amperes Regulated (Tripp Lite APSX750).....	1,072.88	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0778	EA			Eco Green A/V Surge Protector RJ11 RJ45 Coax 10 Outlet 8ft Cord (Tripp Lite AV10IRG).....	316.87	
27 29 00 00-0779	EA			Eco Green A/V Surge Protector RJ11 RJ45 Coax 12 Outlet 10ft Cord (Tripp Lite AV1210SATG).....	220.99	
27 29 00 00-0780	EA			Eco Green A/V Surge Protector 8 Outlet 6ft Cord 1080 Joule (Tripp Lite AV86G).....	105.62	
27 29 00 00-0781	EA			Eco Green A/V Surge Protector RJ11 RJ45 Coax 8 Outlet 8ft Cord (Tripp Lite AV88SATG).....	154.37	
27 29 00 00-0782	EA			550VA UPS System Low Profile Line-Interactive 120V 8 Outlet - 550 VA, 1 USB, Modem/Fax Protection (Tripp Lite AVR550U).....	230.34	
27 29 00 00-0783	EA			700VA UPS Line Interactive 8 Outlet 6ft Cord 120V (Tripp Lite AVR700U).....	261.42	
27 29 00 00-0784	EA			750VA UPS System Low Profile Line-Interactive 120V 12 Outlet - 750 VA, 1 USB, Modem/Fax Protection (Tripp Lite AVR750U).....	312.60	
27 29 00 00-0785	EA			900VA UPS System Low Profile Line-Interactive 120V 12 Outlet - 900 VA, 1 USB, Modem/Fax Protection (Tripp Lite AVR900U).....	361.96	
27 29 00 00-0786	EA			TAA Compliant 900VA UPS Ultra Compact 12 outlets (Tripp Lite AVR900UTAA).....	409.49	
27 29 00 00-0787	EA			550VA International UPS System Low Profile Line-Interactive AVR 230V 6 Outlet - 550 VA, 1 USB (Tripp Lite AVRX550U).....	320.32	
27 29 00 00-0788	EA			TAA Compliant 550VA Intl UPS Ultra Compact 6 outlets 230V (Tripp Lite AVRX550UTAA).....	362.77	
27 29 00 00-0789	EA			750VA International UPS System Low Profile Line-Interactive AVR 230V 6 Outlet - 750 VA 1 USB, Modem/Fax Protection (Tripp Lite AVRX750U).....	486.27	
27 29 00 00-0790	EA			TAA Compliant 750VA Intl UPS Ultra Compact 6 outlets 230V (Tripp Lite AVRX750UTAA).....	551.88	
27 29 00 00-0791	EA			2-Port Secure KVM Switch DVI / USB Audio NIAP EAL2 TAA GSA (Tripp Lite B002-DUA2).....	1,706.21	
27 29 00 00-0792	EA			4-Port Secure KVM Switch DVI / USB Audio NIAP EAL2 TAA GSA (Tripp Lite B002-DUA4).....	1,868.70	
27 29 00 00-0793	EA			8 Port KVM Switch, (With On-Screen Display, PS/2, Non-Expandable) 1U Rackmount (Tripp Lite B004-008).....	399.74	
27 29 00 00-0794	EA			2 Port KVM Switch (DVI/USB), Desktop with Audio And Cables (Tripp Lite B004-DUA2-K-R).....	454.99	
27 29 00 00-0795	EA			4-Port Compact KVM Switch DVI / USB With Audio And Cables (Tripp Lite B004-DUA4-K-R).....	698.73	
27 29 00 00-0796	EA			2 Port KVM Switch (PS/2), Desktop with Audio And Cables (Tripp Lite B004-VPA2-K-R).....	104.00	
27 29 00 00-0797	EA			2 Port KVM Switch (USB), Desktop with Audio And Cables (Tripp Lite B004-VUA2-K-R).....	123.50	
27 29 00 00-0798	EA			KVM Switch 4-Port Desktop KVM Switch (USB) TAA / GSA (Tripp Lite B006-VU4-R).....	324.99	
27 29 00 00-0799	EA			4-Port KVM Switch w Audio, 2-Port USB2.0 Hub, Included Cables (Tripp Lite B006-VUA4-K-R).....	649.98	
27 29 00 00-0800	EA			8 Port KVM Switch, (With On-Screen Display, PS/2) 1U Rackmount (Tripp Lite B007-008).....	877.48	
27 29 00 00-0801	EA			Category 5 Console (PS/2 or USB) Extender - 330ft Range (Tripp Lite B013-330).....	584.99	
27 29 00 00-0802	EA			USB to PS/2 Adapter (Tripp Lite B015-000).....	30.87	
27 29 00 00-0803	EA			Two-Post Rackmount Bracket for B021 and B020 Series KVM Switch Consoles (Tripp Lite B019-000).....	207.99	
27 29 00 00-0804	EA			8 Port KVM Switch, 17 Inch Console (with built-in slide out keyboard and tilt-up console) 1U Rackmount (Tripp Lite B020-008-17).....	4,267.14	
27 29 00 00-0805	EA			16 Port KVM Switch, 17 Inch Console (with built-in slide out keyboard and tilt-up console) 1U Rackmount (Tripp Lite B020-016-17).....	5,118.62	
27 29 00 00-0806	EA			NetDirector 17" Console KVM Switch With IP - 16 Port (Tripp Lite B020-016-17-IP).....	10,318.50	
27 29 00 00-0807	EA			NetDirector 19in Console KVM with Built-In IP Access - 8 Port (Tripp Lite B020-U08-19-IP).....	8,124.80	
27 29 00 00-0808	EA			NetDirector 19in Console KVM with 8 USB/PS2 Combo Cable Kits - 8Port (Tripp Lite B020-U08-19-K).....	4,549.89	
27 29 00 00-0809	EA			8-Port Rack Console KVM Switch 19" LCD PS2/USB Cable 1U TAA/GSA (Tripp Lite B020-U08-19KTAA).....	4,549.89	
27 29 00 00-0810	EA			NetDirector 19in Console KVM with 8 USB/PS2 Combo Cable Kits - 16Port (Tripp Lite B020-U16-19-K).....	5,524.86	
27 29 00 00-0811	EA			1U Rackmount Console (with built-in slide-out keyboard/touch pad and tilt-up 17-inch LCD monitor.) (Tripp Lite B021-000-17).....	2,437.44	
27 29 00 00-0812	EA			TAA Compliant KVM Console 17" Monitor 1U Rackmount (Tripp Lite B021-000-17TAA).....	2,827.43	
27 29 00 00-0813	EA			Rackmount Console with 19" LCD (Tripp Lite B021-000-19).....	3,558.66	
27 29 00 00-0814	EA			Short-Body Rackmount Console (1U) w 19" LCD (Tripp Lite B021-000-19-SH).....	4,062.40	
27 29 00 00-0815	EA			KVM Rack Console 1U Dual Rail Rackmount 17" LCD (Tripp Lite B021-02R-17).....	3,737.41	
27 29 00 00-0816	EA			2 Port KVM Switch, Desktop with two cables - PS/2 (Tripp Lite B022-002-KT-R).....	138.12	
27 29 00 00-0817	EA			4 Port KVM Switch - PS/2 (Tripp Lite B022-004-R).....	154.37	
27 29 00 00-0818	EA			NetDirector USB/PS2 KVM Switch - 16 Port (Tripp Lite B022-U16).....	1,868.70	
27 29 00 00-0819	EA			NetController Console KVM with 19" LCD Console - 8 port (Tripp Lite B040-008-19).....	3,981.15	
27 29 00 00-0820	EA			NetController Console KVM with 19" LCD Console - 16 port (Tripp Lite B040-016-19).....	5,248.62	
27 29 00 00-0821	EA			NetController KVM Switch - 4 Port (Tripp Lite B042-004).....	812.48	
27 29 00 00-0822	EA			NetController KVM Switch - 8 Port (Tripp Lite B042-008).....	974.98	
27 29 00 00-0823	EA			NetController KVM Switch - 16 Port (Tripp Lite B042-016).....	1,624.96	
27 29 00 00-0824	EA			IP Remote Access Unit (KVM over IP) (Tripp Lite B051-000).....	1,884.95	
27 29 00 00-0825	EA			IP Remote Access Unit KVM over IP Power / Serial Control TAA GSA (Tripp Lite B051-000-AC).....	2,274.94	
27 29 00 00-0826	EA			PS/2 Server Interface for B060-032 KVM Switch (Tripp Lite B054-001-PS2).....	454.99	
27 29 00 00-0827	EA			SUN Server Interface for B060-032 KVM Switch (Tripp Lite B054-001-SUN).....	487.49	
27 29 00 00-0828	EA			USB Server Interface for B060-032 KVM Switch (Tripp Lite B054-001-USB).....	454.99	
27 29 00 00-0829	EA			PS/2 Server Interface Module for B064- Series KVM Switches (Add 1 per Server: Use With Category 5/5E/6) (Tripp Lite B055-001-PS2).....	321.74	
27 29 00 00-0830	EA			Serial Server Interface Module for B064- Series KVM Switches (Add 1 per Server: Use With Category 5/5E/6) (Tripp Lite B055-001-SER).....	321.74	
27 29 00 00-0831	EA			USB Server Interface Module for B064- Series KVM Switches (Add 1 per Server: Use With Category 5/5E/6) (Tripp Lite B055-001-USB).....	321.74	
27 29 00 00-0832	EA			USB With Virtual Media Server Interface Module for B064- Series KVM Switches (Add 1 per Server: Use With Category 5/5E/6) (Tripp Lite B055-001-USB-V2).....	406.24	
27 29 00 00-0833	EA			USB Server Interface Unit Virtual Media And CAC B064 Category 5 KVM TAA (Tripp Lite B055-001-LV2CAC).....	422.49	
27 29 00 00-0834	EA			16-Port Matrix (2-User) 1U Rackmount KVM Switch (Tripp Lite B060-016-2).....	5,199.87	
27 29 00 00-0835	EA			PS/2 Console Interface Module (Tripp Lite B062-002-PS2).....	1,624.96	
27 29 00 00-0836	EA			Console Interface Module for B060-Series KVMs - USB (Tripp Lite B062-002-USB).....	1,624.96	
27 29 00 00-0837	EA			16-Port Category 5 KVM Switch 1U RM TAA / GSA (Tripp Lite B064-016).....	1,819.96	
27 29 00 00-0838	EA			NetDirector Category 5 IP KVM Switch - 16 Port, 2-User (Virtual Media, Dual Power Supply) (Tripp Lite B064-016-02-IPG).....	10,399.74	
27 29 00 00-0839	EA			NetDirector Category 5 IP KVM Switch - 16 Port, 4-User (Virtual Media, Dual Power Supply) (Tripp Lite B064-016-04-IPG).....	16,899.58	
27 29 00 00-0840	EA			NetDirector Category 5 IP KVM Switch - 32 Port, 2-User (Virtual Media, Dual Power Supply) (Tripp Lite B064-032-02-IPG).....	13,812.16	
27 29 00 00-0841	EA			NetDirector Category 5 IP KVM Switch - 32 Port, 4-User (Virtual Media, Dual Power Supply) (Tripp Lite B064-032-04-IPG).....	20,149.50	
27 29 00 00-0842	EA			8-Port Rack VGA Console Category 5 KVM Switch 1U RM 19" Mon/Kybd/Tchpd (Tripp Lite B070-008-19).....	3,574.91	
27 29 00 00-0843	EA			NetCommander Category 5 Console KVM - 16 Port (Tripp Lite B070-016-19).....	4,387.39	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 29 00 00-0844	EA		NetCommander Category 5 Console KVM With IP - 16 Port (Tripp Lite B070-016-19-IP).....	7,799.81	
27 29 00 00-0845	EA		16-Port Rack Console KVM Switch VGA Category 5 1U RM 19" LCD TAA / GSA (Tripp Lite B070-016-19TAA).....	4,549.89	
27 29 00 00-0846	EA		NetCommander Category 5 KVM - 8 Port (Tripp Lite B072-008-1).....	1,169.97	
27 29 00 00-0847	EA		NetCommander Category 5 KVM - 16 Port (Tripp Lite B072-016-1).....	1,624.96	
27 29 00 00-0848	EA		16-Port NetCommander Category 5 KVM Switch with IP Remote Access (Tripp Lite B072-016-1-IP).....	3,899.90	
27 29 00 00-0849	EA		NetCommander Server Interface Unit for B070/72 KVM - PS/2 - 100ft (Tripp Lite B078-101-PS2).....	204.74	
27 29 00 00-0850	EA		NetCommander Server Interface Unit for B070/72 KVM - USB - 100ft (Tripp Lite B078-101-USB).....	220.99	
27 29 00 00-0851	EA		Console Server Adapter - Cisco RJ45 F to DB9 F - Straight (Tripp Lite B090-A9F).....	19.50	
27 29 00 00-0852	EA		Console Server Adapter - Cisco RJ45 F to DB9 F - Crossover (Tripp Lite B090-A9F-X).....	19.50	
27 29 00 00-0853	EA		Console Server Adapter - Cisco RJ45 F to DB9 M - Straight (Tripp Lite B090-A9M).....	19.50	
27 29 00 00-0854	EA		16-Port Serial Console Server Management Switch With Power Alert (Tripp Lite B092-016).....	5,849.86	
27 29 00 00-0855	EA		8-Port Serial Console / Terminal Server Mgmt Switch TAA GSA (Tripp Lite B094-008-2E-M-F).....	2,681.18	
27 29 00 00-0856	EA		Console Server with 1 NIC and Built-In Modem - 3 Port (Tripp Lite B095-003-1E-M).....	1,852.45	
27 29 00 00-0857	EA		Console Server with 1 NIC - 4 Port (Tripp Lite B095-004-1E).....	1,348.72	
27 29 00 00-0858	EA		16-Port Serial Console Server Management Switch (Tripp Lite B096-016).....	5,849.86	
27 29 00 00-0859	EA		48-Port Serial Console Server Management Switch (Tripp Lite B096-048).....	9,749.76	
27 29 00 00-0860	EA		Manual VGA/SVGA 2 Position Switch - 3xHD15F (Tripp Lite B112-002-R).....	37.37	
27 29 00 00-0861	EA		VGA/SVGA 350MHz Video Splitter - 2 Port - HD15 (M)/x2 (F) (Tripp Lite B114-002-R).....	102.37	
27 29 00 00-0862	EA		VGA/SVGA Video Splitter - 4 Port - HD15 (M)/x4 (F) (Tripp Lite B114-004-R).....	130.00	
27 29 00 00-0863	EA		DVI Single Link with Audio Splitter - 2 Port (Tripp Lite B116-002A).....	259.99	
27 29 00 00-0864	EA		4-Port DVI Single Link Video / Audio Splitter / Booster (Tripp Lite B116-004A).....	487.49	
27 29 00 00-0865	EA		HDMI v1.3 Splitter - 2Port (Tripp Lite B118-302-R).....	195.00	
27 29 00 00-0866	EA		HDMI v1.3 Splitter - 4Port (Tripp Lite B118-304-R).....	406.24	
27 29 00 00-0867	EA		HDMI v1.3 Video Switch With Remote - 2 Port (Tripp Lite B119-302-R).....	117.00	
27 29 00 00-0868	EA		3Port HDMI Switch w Remote, v1.3 (Tripp Lite B119-303-R).....	195.00	
27 29 00 00-0869	EA		DVI Dual Link Extender, DVI F/F (Tripp Lite B120-000).....	172.25	
27 29 00 00-0870	EA		DVI Single Link Signal Extender DVI F/F TAA / GSA (Tripp Lite B120-000-SL).....	149.50	
27 29 00 00-0871	EA		Displayport Active Extender Signal Booster Displayport F/F TAA (Tripp Lite B121-000).....	389.99	
27 29 00 00-0872	EA		HDMI Extender, HDMI F/F (Tripp Lite B122-000).....	130.00	
27 29 00 00-0873	EA		HDMI Signal Booster Extender 1080p at 60 Hertz HDMI F/F TAA / GSA (Tripp Lite B122-000-60).....	324.99	
27 29 00 00-0874	EA		HDMI v1.3 Active Extender Cable (Tripp Lite B123-001).....	162.50	
27 29 00 00-0875	EA		1ft HDMI Active Signal Extender Cable HDMI M/F 1' TAA GSA (Tripp Lite B123-001-60).....	243.74	
27 29 00 00-0876	EA		HDMI over Category 5 Dual Category 6 60 Hertz Extender Kit TAA GSA (Tripp Lite B125-101-60).....	406.24	
27 29 00 00-0877	EA		HDMI over Dual Category 6 60 Hertz Wallplate Extender Kit TAA GSA (Tripp Lite B125-101-60-WP).....	406.24	
27 29 00 00-0878	EA		HDMI over Category 5 Extender, (2) RJ45 F, (2) HDMI F (Tripp Lite B125-150).....	324.99	
27 29 00 00-0879	EA		2-Port HDMI Over Category 5 Extender / Splitter TAA / GSA (Tripp Lite B126-002).....	422.49	
27 29 00 00-0880	EA		4-Port HDMI Over Category 5 Extender / Splitter TAA / GSA (Tripp Lite B126-004).....	682.48	
27 29 00 00-0881	EA		HDMI over Category 5 Active Extender / Remote Repeater TAA GSA (Tripp Lite B126-110).....	552.49	
27 29 00 00-0882	EA		HDMI Over Category 5 Active Extender Remote Unit TAA / GSA (Tripp Lite B126-1A0).....	422.49	
27 29 00 00-0883	EA		HDMI Over Single Category 5 RJ45 Active Ext Remote Wallplate TAA GSA (Tripp Lite B126-1A0-WP-1).....	422.49	
27 29 00 00-0884	EA		HDMI Over Category 5 Active Extender Kit TAA / GSA (Tripp Lite B126-1A1).....	552.49	
27 29 00 00-0885	EA		HDMI + IR + Serial RS232 over Category 5 / 6 Active Extender Kit TAA GSA (Tripp Lite B126-1A1SR).....	1,299.97	
27 29 00 00-0886	EA		Tripp Lite HDMI Over Category 5 / 6 Active Wallplate Extender Kit TAA GSA (Tripp Lite B126-1A1-WP).....	552.49	
27 29 00 00-0887	EA		HDMI Over Category 5 Passive Extender Remote Unit TAA / GSA (Tripp Lite B126-1P0).....	97.50	
27 29 00 00-0888	EA		HDMI Over Category 5 Passive Extender Remote Wallplate TAA / GSA (Tripp Lite B126-1P0-WP).....	97.50	
27 29 00 00-0889	EA		VGA over Category 5 Extender, 1 Local Port, 1 Remote Port (Tripp Lite B130-101).....	373.74	
27 29 00 00-0890	EA		VGA over Category 5 Extender with Audio, 1 Local Port, 1 Remote Port (Tripp Lite B130-101A).....	422.49	
27 29 00 00-0891	EA		VGA + Audio over Category 5 (RJ45) Ext Wallplate Kit TAA / GSA (Tripp Lite B130-101A-WP-1).....	406.24	
27 29 00 00-0892	EA		VGA with RS-232 Serial over Category 5 Extender Kit (Tripp Lite B130-101S).....	438.74	
27 29 00 00-0893	EA		VGA with RS-232 Serial over Category 5 (110 type) Extender Wallplate Kit (Tripp Lite B130-101S-WP).....	406.24	
27 29 00 00-0894	EA		VGA over Category 5 Extender Kit USB Powered up to 500ft TAA/GSA (Tripp Lite B130-101-U).....	357.49	
27 29 00 00-0895	EA		VGA over Category 5 (RJ45) Extender Wallplate Kit TAA/GSA (Tripp Lite B130-101-WP-1).....	357.49	
27 29 00 00-0896	EA		VGA over Category 5 Extender / Repeater Kit TAA / GSA (Tripp Lite B130-111).....	552.49	
27 29 00 00-0897	EA		VGA + Audio over Category 5 Extender / Repeater Kit TAA / GSA (Tripp Lite B130-111A).....	617.48	
27 29 00 00-0898	EA		VGA over Category 5 Extender 2-Port Transmitter TAA / GSA (Tripp Lite B132-002-1).....	259.99	
27 29 00 00-0899	EA		2-Port VGA And Audio over Category 5 Extender / Splitter (Tripp Lite B132-002A).....	276.24	
27 29 00 00-0900	EA		VGA over Category 5 Extender 4-Port Transmitter TAA / GSA (Tripp Lite B132-004-1).....	389.99	
27 29 00 00-0901	EA		VGA with Audio over Category 5 Extender/Splitter Local Unit - 4 Remote Ports (Tripp Lite B132-004A).....	422.49	
27 29 00 00-0902	EA		VGA over Category 5 Extender/Splitter Rackmount Bracket (Tripp Lite B132-004-RB).....	133.25	
27 29 00 00-0903	EA		VGA over Category 5 Receiver TAA / GSA (Tripp Lite B132-100-1).....	211.24	
27 29 00 00-0904	EA		VGA with Audio over Category 5 Extender Remote Unit (Tripp Lite B132-100A).....	243.74	
27 29 00 00-0905	EA		VGA + Audio over Category 5 Receiver RJ45 type Wallplate TAA / GSA (Tripp Lite B132-100A-WP-1).....	243.74	
27 29 00 00-0906	EA		VGA over Category 5 Receiver RJ45 type Wallplate TAA / GSA (Tripp Lite B132-100-WP-1).....	211.24	
27 29 00 00-0907	EA		VGA over Category 5 Extender Remote / Repeater Unit TAA / GSA (Tripp Lite B132-110).....	292.49	
27 29 00 00-0908	EA		VGA + Audio over Category 5 Extender Remote / Repeater Unit TAA / GSA (Tripp Lite B132-110A).....	311.99	
27 29 00 00-0909	EA		Component Video (RGB) with Stereo Audio Over Category 5 Extender/Splitter - 4 Port (Tripp Lite B136-004).....	373.74	
27 29 00 00-0910	EA		Component Video (RGB) with Stereo Audio Over Category 5 Extender Remote Unit (Tripp Lite B136-100).....	113.75	
27 29 00 00-0911	EA		Component Video (RGB) with Stereo Audio Over Category 5 (110 Type) Extender Remote Wallplate (Tripp Lite B136-100-WP).....	113.75	
27 29 00 00-0912	EA		Component Video (RGB) with Stereo Audio Over Category 5 Extender Kit (Tripp Lite B136-101).....	211.24	
27 29 00 00-0913	EA		Category 5 Extender Wallplate Kit Component Video Stereo Audio TAA GSA (Tripp Lite B136-101-WP-1).....	211.24	
27 29 00 00-0914	EA		S-Video with Stereo Audio Over Category 5 Extender Kit (Tripp Lite B137-101).....	211.24	
27 29 00 00-0915	EA		DVI over Category 5 Extender / Splitter 2-Port TAA / GSA (Tripp Lite B140-002).....	324.99	
27 29 00 00-0916	EA		DVI over Category 5 Extender / Splitter 4-Port TAA / GSA (Tripp Lite B140-004).....	584.99	
27 29 00 00-0917	EA		DVI Over Category 5 Extender Kit (Tripp Lite B140-101).....	178.75	
27 29 00 00-0918	EA		DVI Over Category 5 (110 Type) Extender Wallplate Kit (Tripp Lite B140-101-WP).....	178.75	
27 29 00 00-0919	EA		DVI Over Category 5 Active Extender Kit (Tripp Lite B140-101X).....	617.48	
27 29 00 00-0920	EA		DVI over Category 5 Remote Extender / Repeater Unit TAA GSA (Tripp Lite B140-110).....	682.48	
27 29 00 00-0921	EA		DVI Over Category 5 Active Extender Remote Unit TAA / GSA (Tripp Lite B140-1A0).....	357.49	
27 29 00 00-0922	EA		DVI Over Category 5 Active Extender Remote Wallplate TAA / GSA (Tripp Lite B140-1A0-WP).....	357.49	
27 29 00 00-0923	EA		DVI over Category 5 Active Extender Wallplate Kit TAA GSA (Tripp Lite B140-1A1-WP).....	487.49	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0924	EA		DVI Over Category 5 Passive Extender Remote Unit TAA / GSA (Tripp Lite B140-1P0) .....	65.00	
27 29 00 00-0925	EA		DVI Over Category 5 Passive Extender Remote Wallplate TAA / GSA (Tripp Lite B140-1P0-WP) .....	81.25	
27 29 00 00-0926	EA		RS-232 / Serial over Category 5 Extender Kit (Tripp Lite B165-101) .....	211.24	
27 29 00 00-0927	EA		IEEE Reversible 2 Position Gold Autoswitch - 3xDB25F (Tripp Lite B170-002-R) .....	81.25	
27 29 00 00-0928	EA		USB over Category 5 Extender Kit (Tripp Lite B202-150) .....	84.50	
27 29 00 00-0929	EA		USB Hi-Speed 2.0 over Category 5 Extender Kit 480Mbps 330ft TAA/GSA (Tripp Lite B203-101) .....	422.49	
27 29 00 00-0930	EA		4-Port High Speed USB 2.0 Over Category 5 Extender Hub TAA GSA (Tripp Lite B203-104) .....	552.49	
27 29 00 00-0931	EA		300VA UPS System Standby Tower Small Footprint 120V 3 Outlet - 300 VA (Tripp Lite BC PERS300) .....	268.73	
27 29 00 00-0932	EA		450VA UPS System Standby Tower Small Footprint 120V 3 Outlet - 450 VA (Tripp Lite BC PERS450) .....	303.46	
27 29 00 00-0933	EA		1050VA UPS System Standby Tower Small Footprint 120V 6 Outlet - 1050 VA 1 USB, Replace Battery LED, Overload LED, Self Test, Alarm (Tripp Lite BC PRO1050) .....	917.70	
27 29 00 00-0934	EA		1400VA UPS System Standby Tower Small Footprint 120V 6 Outlet - 1400 VA 1 USB, Replace Battery LED, Overload LED, Self Test, Alarm (Tripp Lite BC PRO1400) .....	1,323.53	
27 29 00 00-0935	EA		600VA UPS System Standby Tower Small Footprint 120V 6 Outlet - 600 VA, 1 USB, Modem/Fax Protection (Tripp Lite BC PRO600) .....	394.87	
27 29 00 00-0936	EA		350VA UPS System Compact Low Profile Standby 120V 6 Outlet - 350 VA (Tripp Lite BC350) .....	148.07	
27 29 00 00-0937	EA		600VA Pure Sine Wave PFC UPS Tower 120V USB Sinewave (Tripp Lite BC600SINE) .....	438.74	
27 29 00 00-0938	EA		192V external battery pack (expandable) Smart Online UPS 192V RM 3U External Battery Pack (Tripp Lite BP192V12-3U) .....	3,363.67	
27 29 00 00-0939	EA		192V external battery pack (expandable) Smart Online UPS 192V RM 4U External Battery Pack (Tripp Lite BP192V18-4U) .....	6,500.65	
27 29 00 00-0940	EA		240V external battery pack (expandable) Smart Online UPS 240V Tower/RM 3U External Battery Pack (Tripp Lite BP240V10RT3U) .....	3,232.05	
27 29 00 00-0941	EA		External 24 Volt DC RM/Twr Battery Pack For All Compatible UPS (Tripp Lite BP24V15RT2U) .....	606.92	
27 29 00 00-0942	EA		24 Volt external battery pack — Smart Online UPS 24V RM 2U External Battery Pack (Tripp Lite BP24V28-2U) .....	1,308.91	
27 29 00 00-0943	EA		24 Volt external battery pack (expandable) Smart Online UPS 24V RM 3U External Battery Pack (Tripp Lite BP24V70-3U) .....	3,012.68	
27 29 00 00-0944	EA		Battery Case with Cables. Holds two 98-121 Batteries (Tripp Lite BP-260) .....	669.08	
27 29 00 00-0945	EA		36 Volt External Battery Pack — Smart UPS 36V RM 2U External Battery Pack (Tripp Lite BP36V15-2U) .....	1,177.28	
27 29 00 00-0946	EA		36 Volt External Battery Pack (expandable) Smart UPS 36 Volt RM 3U External Battery Pack (Tripp Lite BP36V42-3U) .....	3,115.05	
27 29 00 00-0947	EA		480 Volt external battery pack With internal disconnect for all domestic and International 3-Phase Modular Smart Online UPS (Tripp Lite BP480V26B) .....	26,657.06	
27 29 00 00-0948	EA		480 Volt external battery pack With internal disconnect for all domestic and International 3-Phase Modular Smart Online UPS (Tripp Lite BP480V40C) .....	33,000.50	
27 29 00 00-0949	EA		48 Volt External Battery Pack — Smart UPS 48 Volt RM 2U External Battery Pack (Tripp Lite BP48V24-2U) .....	1,378.37	
27 29 00 00-0950	EA		TAA Compliant External Battery Pack for UPS 2U Rackmount 48 Volt (Tripp Lite BP48V24UTAA) .....	1,480.74	
27 29 00 00-0951	EA		48 Volt Shallow Depth External UPS Battery Pack 4U RM (Tripp Lite BP48V48RT4U) .....	3,158.92	
27 29 00 00-0952	EA		Smart UPS 48 Volt Tower RM NAFTA External Battery Pack (Tripp Lite BP48V60-3UNAF TA) .....	3,034.61	
27 29 00 00-0953	EA		48 Volt External Battery Pack (Expandable) Smart UPS 48 Volt Tower/RM 3U External Battery Pack (Tripp Lite BP48V60RT-3U) .....	3,012.68	
27 29 00 00-0954	EA		TAA Compliant External Battery Pack for UPS Rack/Tower 48 Volt (Tripp Lite BP48V60RT3UTAA) .....	3,513.57	
27 29 00 00-0955	EA		72V external battery pack — Smart Online UPS 72V RM 2U External Battery Pack (Tripp Lite BP72V15-2U) .....	1,871.95	
27 29 00 00-0956	EA		72V external battery pack (expandable) Smart Online UPS 72V Tower/RM3U External Battery Pack (Tripp Lite BP72V28RT3U) .....	3,071.17	
27 29 00 00-0957	EA		Connector for multiple battery pack applications. (Tripp Lite BPMULTI) .....	280.31	
27 29 00 00-0958	EA		Serial or parallel DB25 RS-232 protector (All pins) for any male or female 25 pin port. (Tripp Lite DB25-ALL) .....	57.00	
27 29 00 00-0959	EA		Serial DB9 RS-232 protector (Pins 1-9) for any male or female 9 pin port. (Tripp Lite DB9) .....	41.44	
27 29 00 00-0960	EA		Relocateable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, visual surge indication, 3 line protection. 600 joules. White Without tabs (Tripp Lite DG115-SI) .....	118.83	
27 29 00 00-0961	EA		Relocateable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, 6 outlet strip, 3 line protection. 450 joules. White Without tabs (Tripp Lite DG206) .....	76.78	
27 29 00 00-0962	EA		RJ45 100 And 10Base-T, Token Ring, AS400/Sys3x, RS422 (Wires 1-8) for NICs, terminals, hubs, MAUs, etc. (Tripp Lite DNET1) .....	50.09	
27 29 00 00-0963	EA		12 outlets 15' cord 1050 joules Non-Isobar Economy Surge Suppressor 15-Amperes (Tripp Lite DRS-1215) .....	188.50	
27 29 00 00-0964	EA		RJ45 protector (Wires 1-8) for T-1 equipment, CSU/DSUs, digital and leased lines and ISDN. (Tripp Lite DSUT1CSU) .....	103.59	
27 29 00 00-0965	EA		RJ11/45 2-line Dial-Up protector, ideal for modems, faxes, answering machines, etc. (Tripp Lite DTEL2) .....	56.10	
27 29 00 00-0966	EA		350VA UPS Energy Saving Standby 6 Outlets With USB 120 Volt (Tripp Lite ECO350UPS) .....	166.36	
27 29 00 00-0967	EA		550VA UPS Energy Saving Standby 8 Outlets With USB 120 Volt (Tripp Lite ECO550UPS) .....	223.03	
27 29 00 00-0968	EA		TAA Compliant 550VA UPS Energy Efficient 8 outlets And USB Port (Tripp Lite ECO550UPSTAA) .....	252.28	
27 29 00 00-0969	EA		650VA UPS Eco Green LCD 120V USB RJ11 5-15R 8 Outlet (Tripp Lite ECO650LCD) .....	254.10	
27 29 00 00-0970	EA		750VA UPS Energy Saving Standby 12 Outlets With USB 120 Volt (Tripp Lite ECO750UPS) .....	308.95	
27 29 00 00-0971	EA		TAA Compliant 750VA UPS Energy Efficient 12 outlets And USB Port (Tripp Lite ECO750UPSTAA) .....	347.34	
27 29 00 00-0972	EA		850VA UPS Eco Green LCD 120V USB RJ11 5-15R 12 Outlet (Tripp Lite ECO850LCD) .....	305.29	
27 29 00 00-0973	EA		1250W 12V DC to AC Inverter with Automatic Line-to-Battery 55/14-Amperes Charger (Tripp Lite EMS1250UL) .....	2,742.12	
27 29 00 00-0974	EA		Allows UPS to monitor external temp/humidity and contact-closure inputs (requires an SNMP card). (Tripp Lite ENVIROSENSE) .....	402.18	
27 29 00 00-0975	EA		RF Remote for Vista Media Center (Tripp Lite ER-V2) .....	130.00	
27 29 00 00-0976	EA		4 OUTLETS 6' CORD 330 JOULES Isobar Ultra Surge Suppressor 220/240V IEC-320 Receptacles (Tripp Lite EURO-4) .....	162.29	
27 29 00 00-0977	EA		Easy Pull Type A Base Cable - 35' (Tripp Lite EZA-035) .....	123.50	
27 29 00 00-0978	EA		Easy Pull Type A Base Cable, Plenum Rated - 35' (Tripp Lite EZA-035-P) .....	357.49	
27 29 00 00-0979	EA		Easy Pull Type A Base Cable - 50' (Tripp Lite EZA-050) .....	162.50	
27 29 00 00-0980	EA		Easy Pull Type A Base Cable - 50' (Tripp Lite EZA-050-P) .....	519.99	
27 29 00 00-0981	EA		Easy Pull Type A Base Cable - 100' (Tripp Lite EZA-100) .....	324.99	
27 29 00 00-0982	EA		Type A Plenum Base Easy Pull Cable - 100 ft. (Tripp Lite EZA-100-P) .....	942.48	
27 29 00 00-0983	EA		Easy Pull Connectors VGA-F/F w Audio (3.5mm F/F) and 2 faceplates, use w Type A cable Contains 2 Cables - 1' (Tripp Lite EZA-VGAAF-2) .....	74.75	
27 29 00 00-0984	EA		Easy Pull VGA Cable with Audio - Two HD15 (M) with 3.5mm (M) (Tripp Lite EZA-VGAAM-2) .....	52.00	
27 29 00 00-0985	EA		Easy Pull Connectors VGA-M/F w Audio (3.5mm M/F), w Faceplate, use w Type A cable Contains 2 cables and Face Plate - 1' (Tripp Lite EZA-VGAAX-2) .....	65.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0986	EA		Type A Easy Pull Kit - (2) HD15 With Composite Video and Red/White Audio Female Connectors and Wallplates (Tripp Lite EZA-VGACSAF-2).....	156.00	
27 29 00 00-0987	EA		Type A Easy Pull Kit - (2) HD15 With Composite Video and Red/White Audio Male Connectors (Tripp Lite EZA-VGACSAM-2) .....	113.75	
27 29 00 00-0988	EA		Type A Easy Pull Kit - HD15 With Composite Video and Red/White Audio - (1) F Connector/Wallplate, (1) M Connector (Tripp Lite EZA-VGACSAX-2) .....	143.00	
27 29 00 00-0989	EA		Easy Pull VGA-F (x2) Connectors w (x2) Faceplates (use w Type A cable) Contains 2 cables - 1' (Tripp Lite EZA-VGAF-2) .....	65.00	
27 29 00 00-0990	EA		Easy Pull VGA-M (x2) Connectors (use w Type A cable) Contains 2 cables - 1' (Tripp Lite EZA-VGAM-2) .....	48.75	
27 29 00 00-0991	EA		Easy Pull HD15-M and HD15-F Connectors (use w Type A cable), w Faceplate contains 2 cables and 1 faceplate - 1' (Tripp Lite EZA-VGAX-2) .....	58.50	
27 29 00 00-0992	EA		25ft Easy Pull Long-Run Display Cable Digital Polyvinyl Chloride (PVC) Trunk Cable 25' (Tripp Lite EZB-025).....	130.00	
27 29 00 00-0993	EA		Easy Pull Type B Base Cable - 50' (Tripp Lite EZB-050).....	146.25	
27 29 00 00-0994	EA		Easy Pull Type B Base Cable - 100' (Tripp Lite EZB-100).....	259.99	
27 29 00 00-0995	EA		Easy Pull DVI-F (x2) Connectors w (x2) faceplates (use w Type B cable), single link Contains 2 cables - 1' (Tripp Lite EZB-DVIF-2) .....	58.50	
27 29 00 00-0996	EA		Easy Pull DVI-M (x2) Connectors (use w Type B Cable), single link Contains 2 cables - 1' (Tripp Lite EZB-DVIM-2) .....	52.00	
27 29 00 00-0997	EA		Easy Pull DVI-M/F Connectors w (x1) faceplate (use w Type B cable), single link Contains 2 cables - 1' (Tripp Lite EZB-DVIX-2) .....	58.50	
27 29 00 00-0998	EA		Easy Pull HDMI-M (x2) Connectors (use w Type B cable) Contains 2 cables - 1' (Tripp Lite EZB-HDMIM-2) .....	68.25	
27 29 00 00-0999	EA		IEEE 1394 FireWire Gold Cable, 6pin/6pin - 6 ft. (Tripp Lite F005-006) .....	28.01	
27 29 00 00-1000	EA		IEEE 1394 FireWire Gold Cable, 6pin/6pin - 15 ft. (Tripp Lite F005-015) .....	50.72	
27 29 00 00-1001	EA		IEEE 1394 FireWire Gold Cable, 6pin/4pin - 3 ft. (Tripp Lite F007-003) .....	26.89	
27 29 00 00-1002	EA		IEEE 1394 FireWire Gold Cable, 6pin/4pin - 6 ft. (Tripp Lite F007-006) .....	28.01	
27 29 00 00-1003	EA		IEEE 1394 FireWire Gold Cable, 6pin/4pin - 15 ft. (Tripp Lite F007-015) .....	47.63	
27 29 00 00-1004	EA		IEEE 1394 FireWire Gold Cable, 4pin/4pin - 6 ft. (Tripp Lite F009-006) .....	28.01	
27 29 00 00-1005	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/9pin - 6' (Tripp Lite F015-006).....	72.84	
27 29 00 00-1006	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/9pin - 10' (Tripp Lite F015-010).....	89.66	
27 29 00 00-1007	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/6pin - 6' (Tripp Lite F017-006).....	61.63	
27 29 00 00-1008	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/6pin - 10' (Tripp Lite F017-010).....	70.04	
27 29 00 00-1009	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/4pin - 6' (Tripp Lite F019-006).....	53.24	
27 29 00 00-1010	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/4pin - 10' (Tripp Lite F019-010).....	77.04	
27 29 00 00-1011	EA		Mobile AC Power for Medical Cart. Power Supply with Isolation Transformer. Battery Module. UL 60601-1 Listed (Tripp Lite HCRK) .....	3,819.77	
27 29 00 00-1012	EA		Medical Power System With 36-Ampere Hours Battery UL60601-1 Compliance (Tripp Lite HCRK-36).....	2,862.77	
27 29 00 00-1013	EA		Medical Power System With 54-Ampere Hours Battery UL60601-1 Compliance (Tripp Lite HCRK-54).....	3,179.03	
27 29 00 00-1014	EA		10 outlets 8' cord 3570 joules 3 pair coax 1 line phone 1 pair ethernet Isolated filter banks. Metal case. Holds 6 transformers. (Tripp Lite HT10DBS) .....	282.74	
27 29 00 00-1015	EA		12 outlets 10' cord 5700 joules 3 pair coax 1 line phone 1 ethernet. Premium Isobar Surge Protection for Home Theater Components. Includes digital IR remote. (Tripp Lite HT1210SOCTR) .....	971.73	
27 29 00 00-1016	EA		Home Theater Surge 12 outlet 3coax Tel/DSL/Ethernet 2880 Joules (Tripp Lite HT1210SAT3).....	157.62	
27 29 00 00-1017	EA		7 outlets 6' cord 1680 joules 2 pair coax 1 line phone Holds 4 transformers. (Tripp Lite HT706TSAT) .....	72.31	
27 29 00 00-1018	EA		7 outlets 6' cord 1080 joules 1 pair coax Holds 4 transformers. (Tripp Lite HT706TV) .....	65.00	
27 29 00 00-1019	EA		8 outlets 10' cord 5700 joules 3 pair coax 1 line phone Premium Isobar Surge Protection for Home Theater Components. (Tripp Lite HT810SOCTR).....	503.74	
27 29 00 00-1020	EA		Standby UPS System.1-line multi-device modem/fax protection. Coax protection. USB port/software/cabling. 12 outlets (6 UPS/surge, 6 surge only) (Tripp Lite HT850UPS).....	475.30	
27 29 00 00-1021	EA		Protect It! Surge 6 Swivel Outlets Direct Plug 1200 Joules Coax + TEL (Tripp Lite HTSWIVEL6) .....	61.75	
27 29 00 00-1022	EA		4 OUTLETS 6' CORD 330 JOULES Isobar Ultra Surge Suppressor 220/240V US 5-15R Receptacles (Tripp Lite IB4-6/220) .....	160.59	
27 29 00 00-1023	EA		12 outlets 15' cord 1280 joules Isobar Surge Suppressor with Locking Plug 20 -Amperes (Tripp Lite IBAR12-20T).....	464.74	
27 29 00 00-1024	EA		2 OUTLETS 6' CORD 600 JOULES Isobar Ultra Surge Suppressor (Tripp Lite IBAR2-6D) .....	96.69	
27 29 00 00-1025	EA		4 OUTLETS 6' CORD 2200 JOULES Isobar Ultra Surge Suppressor (Tripp Lite IBAR4-6D).....	130.00	
27 29 00 00-1026	EA		Premium Surge Suppressor. 15 ft. cord. 1 isolated filter bank. Diagnostics. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite IBAR6 HG).....	268.12	
27 29 00 00-1027	EA		6 OUTLETS 6' CORD 2350 JOULES Isobar Ultra Surge Suppressor (Tripp Lite IBAR6-6D).....	156.00	
27 29 00 00-1028	EA		8 OUTLETS 12' CORD 2350 JOULES Isobar Ultra Surge Suppressor with 9ft. Remote On/Off Switch (Tripp Lite IBAR8-15RM) .....	227.49	
27 29 00 00-1029	EA		2 OUTLETS Direct Plug-In 600 JOULES Isobar Ultra Surge Suppressor with diagnostic LED (Tripp Lite IBLOK2-0) .....	76.37	
27 29 00 00-1030	EA		12 outlets 15' cord 1280 joules Isobar Surge Suppressor 15-Amperes (Tripp Lite IBR12) .....	357.49	
27 29 00 00-1031	EA		Mini Optical Mouse. Retractable cable extends up to 31 inches. (Tripp Lite IN3000WI) .....	48.75	
27 29 00 00-1032	EA		Multimedia Keyboard. Includes 12 customized hot keys. (Tripp Lite IN3005KB).....	56.06	
27 29 00 00-1033	EA		Notebook Ultra-Slim Premier Office Keyboard with USB and Internet Hot Keys. (Tripp Lite IN3007KB).....	64.19	
27 29 00 00-1034	EA		Notebook Ultra-Slim Compact Flexible Keyboard with USB, PS2 and 106 Keys. (Tripp Lite IN3008KB) .....	64.19	
27 29 00 00-1035	EA		Notebook Wireless Multimedia Flexible Keyboard with USB and Internet Hot Keys. (Tripp Lite IN3010KB) .....	159.25	
27 29 00 00-1036	EA		350VA UPS System Compact Low Profile Standby Serial Port 120V 6 Outlet - 350 VA 1 DB9, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET350SER) .....	166.36	
27 29 00 00-1037	EA		350VA UPS System Compact Low Profile Standby USB 120V 8 Outlet - 350 VA1 USB, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET350U) .....	157.21	
27 29 00 00-1038	EA		550VA UPS System Compact Low Profile Standby Serial Port 120V 8 Outlet - 550 VA 1 DB9, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET550SER) .....	212.06	
27 29 00 00-1039	EA		550VA UPS System Compact Low Profile Standby USB 120V 8 Outlet - 550 VA1 USB, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET550U).....	212.06	
27 29 00 00-1040	EA		560VA UPS System Compact Low Profile Standby USB 120V 8 Outlet - 600 VA 1 USB, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET600U) .....	219.37	
27 29 00 00-1041	EA		750VA UPS System Compact Low Profile Standby USB 120V 8 Outlet - 750 VA1 USB, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET750U).....	301.63	
27 29 00 00-1042	EA		900VA UPS System Compact Low Profile Standby USB 120V 12 Outlet - 900 VA 1 USB, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET900U) .....	340.02	
27 29 00 00-1043	EA		300VA UPS System Ultra Compact Low Profile Standby 120V 6 Outlet - 300 VA, Modem/Fax Protection (Tripp Lite INTRNT OFFC300).....	224.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1044 EA 500VA UPS System Ultra Compact Low Profile Standby 120V 6 Outlet - 500 VA1 USB, 2 Line Multi Device Modem/Fax Protection (Tripp Lite INTRNT OFFC500R).....	369.27	
27 29 00 00-1045 EA Tripp Lite 700VA UPS Battery Backup Tower 120V USB RJ45 (Tripp Lite INTRNT OFFC700R).....	405.83	
27 29 00 00-1046 EA 1000 Watt FULL ISOLATION. Transformer With Faraday Shield, 4 Outlets. (Tripp Lite IS-1000).....	895.76	
27 29 00 00-1047 EA 1000 Watt FULL ISOLATION. Transformer with Faraday shield. UL 60601-1 Listed. 4 hospital-grade outlets and hospital-grade plug. (Tripp Lite IS1000HG).....	1,373.09	
27 29 00 00-1048 EA 1800 Watt FULL ISOLATION. Transformer with Faraday shield. UL 60601-1 Listed. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite IS1800HG).....	2,153.07	
27 29 00 00-1049 EA 250 Watt FULL ISOLATION. Transformer With Faraday Shield, 2 Outlets. (Tripp Lite IS-250).....	361.96	
27 29 00 00-1050 EA 250 Watt FULL ISOLATION. Transformer with Faraday shield. UL 60601-1 Listed. 2 hospital-grade outlets and hospital-grade plug. (Tripp Lite IS250HG).....	654.05	
27 29 00 00-1051 EA 500 Watt FULL ISOLATION. Transformer With Faraday Shield, 4 Outlets. (Tripp Lite IS-500).....	574.02	
27 29 00 00-1052 EA 500 Watt FULL ISOLATION. Transformer with Faraday shield. UL 60601-1 Listed. 4 hospital-grade outlets and hospital-grade plug. (Tripp Lite IS500HG).....	909.98	
27 29 00 00-1053 EA 12 outlets 15' cord 1280 joules Isobar Ultra Surge Suppressor 15-Amperes (Tripp Lite ISOBAR12 ULTRA).....	344.49	
27 29 00 00-1054 EA 12 outlets 15' cord 1280 joules Isobar Ultra Surge Suppressor 20 -Amperes (Tripp Lite ISOBAR12/20 UL).....	389.99	
27 29 00 00-1055 EA 4 OUTLETS 6' CORD 2200 JOULES Isobar Ultra Surge Suppressor with diagnostic LED'S (Tripp Lite ISOBAR4 ULTRA).....	143.00	
27 29 00 00-1056 EA 6 OUTLETS 6' CORD 2350 JOULES Isobar Ultra Surge Suppressor with diagnostic LED'S (Tripp Lite ISOBAR6 ULTRA).....	162.50	
27 29 00 00-1057 EA 6 OUTLETS 6' CORD 2850 JOULES Isobar Ultra Surge Suppressor with 2 line Coax, Modem/Fax Protection and diagnostic LED'S (Tripp Lite ISOBAR6DBS).....	193.37	
27 29 00 00-1058 EA 8 OUTLETS 12' CORD 2350 JOULES Isobar Ultra Surge Suppressor with diagnostic LED'S (Tripp Lite ISOBAR8 ULTRA).....	186.87	
27 29 00 00-1059 EA Isobar Ultra Surge With Fax/Modem 8 outlets 25' Cord 2350 Joules (Tripp Lite ISOBAR825ULTRA).....	214.49	
27 29 00 00-1060 EA 4 OUTLETS 6' CORD 2700 JOULES Isobar Ultra Surge Suppressor with Modem/Fax Protection (Tripp Lite ISOTEL).....	162.50	
27 29 00 00-1061 EA 4 OUTLETS 6' CORD 2700 JOULES Isobar Ultra Surge Suppressor with Modem/Fax Protection and diagnostic LED'S (Tripp Lite ISOTEL4 ULTRA).....	176.31	
27 29 00 00-1062 EA 6 OUTLETS 6' CORD 2850 JOULES Isobar Ultra Surge Suppressor with 2 line Modem/Fax Protection and diagnostic LED'S (Tripp Lite ISOTEL6 ULTRA).....	193.37	
27 29 00 00-1063 EA 8 OUTLETS 12' CORD 2850 JOULES Isobar Ultra Surge Suppressor with Modem/Fax Protection and diagnostic LED'S (Tripp Lite ISOTEL8 ULTRA).....	216.12	
27 29 00 00-1064 EA 1200 Watt ISOBAR® Protection, High/Low Voltage Correction, 4 Outlets. (Tripp Lite LC1200).....	354.65	
27 29 00 00-1065 EA 1,800 Watt ISOBAR® Protection, High/Low Voltage Correction, 7 LED Readout, 6 Outlets. (Tripp Lite LC1800).....	526.49	
27 29 00 00-1066 EA 2400 Watt ISOBAR® Protection, High/Low Voltage Correction, 7 LED Readout, 6 Outlets. (Tripp Lite LC2400).....	712.95	
27 29 00 00-1067 EA 2,400 Watt Rackmount, 3U, ISOBAR® Protection, High/Low Voltage Correction, 5 LED Readout, 14 Outlets. (Tripp Lite LCR2400).....	965.23	
27 29 00 00-1068 EA 1,000 Watt, 230 Volt, 50/60 Hertz, 4 NEMA 5-15R Outlets, 1 Universal Outlet Adapter (Tripp Lite LR1000).....	420.46	
27 29 00 00-1069 EA 2,000 Watt, 230 Volt, 50/60 Hertz, 2 NEMA 5-15R, 2 NEMA 6-15R And 2 IEC-320 Outlets, 1 Universal Outlet Adapter (Tripp Lite LR2000).....	782.42	
27 29 00 00-1070 EA 600 Watt, 230 Volt, 50/60 Hertz, 3 IEC-320 Outlets (Tripp Lite LR604).....	318.09	
27 29 00 00-1071 EA 600 Watt, Wallmount, High/Low Voltage Correction, 4 Outlets. (Tripp Lite LS604WM).....	336.37	
27 29 00 00-1072 EA 600 Watt, High/Low Voltage Correction, 6 Outlets (Tripp Lite LS606M).....	255.93	
27 29 00 00-1073 EA UPS / PC Communication via MODBUS RS-422/485 And RS-232 Ports (Tripp Lite MODBUSCARD).....	812.48	
27 29 00 00-1074 EA 6 OUTLETS 10' CORD 1790 JOULES Isobar Ultra Under Monitor Surge Suppressor with Modem/Fax Protection (Tripp Lite MT-6PLUS).....	245.17	
27 29 00 00-1075 EA 1' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-001-BL).....	6.15	
27 29 00 00-1076 EA 1' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Yellow (Tripp Lite N001-001-YV).....	6.15	
27 29 00 00-1077 EA 2' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-002-BL).....	6.72	
27 29 00 00-1078 EA 3' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45 (Tripp Lite N001-003-BK).....	7.84	
27 29 00 00-1079 EA 3' Category 5E 350MHz Blue Molded Snagless Patch Cable, RJ45M/M (Tripp Lite N001-003-BL).....	7.84	
27 29 00 00-1080 EA 3' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-003-GN).....	7.84	
27 29 00 00-1081 EA 3' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-003-GY).....	7.84	
27 29 00 00-1082 EA 3' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Red (Tripp Lite N001-003-RD).....	7.84	
27 29 00 00-1083 EA 3' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M White (Tripp Lite N001-003-WH).....	7.84	
27 29 00 00-1084 EA 3' Category 5E 350MHz Yellow Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-003-YW).....	7.84	
27 29 00 00-1085 EA 4' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-004-BL).....	7.84	
27 29 00 00-1086 EA 5' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45 (Tripp Lite N001-005-BK).....	9.24	
27 29 00 00-1087 EA 5' Category 5E 350MHz Blue Snagless Molded Patch Cable RJ45 (Tripp Lite N001-005-BL).....	9.24	
27 29 00 00-1088 EA 5' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-005-GN).....	9.24	
27 29 00 00-1089 EA 5' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-005-GY).....	9.24	
27 29 00 00-1090 EA 5' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Red (Tripp Lite N001-005-RD).....	9.24	
27 29 00 00-1091 EA 5' Category 5E 350MHz Yellow Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-005-YW).....	9.24	
27 29 00 00-1092 EA 6' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-006-BK).....	10.64	
27 29 00 00-1093 EA 6' Category 5E 350MHz Blue Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-006-BL).....	10.64	
27 29 00 00-1094 EA 6' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Gray (Tripp Lite N001-006-GY).....	10.64	
27 29 00 00-1095 EA 6' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Yellow (Tripp Lite N001-006-YW).....	10.64	
27 29 00 00-1096 EA 7' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45 (Tripp Lite N001-007-BK).....	10.93	
27 29 00 00-1097 EA 7' Category 5E 350MHz Blue Molded Snagless Patch Cable, RJ45M/M (Tripp Lite N001-007-BL).....	10.93	
27 29 00 00-1098 EA 7' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-007-GN).....	10.93	
27 29 00 00-1099 EA 7' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-007-GY).....	10.93	
27 29 00 00-1100 EA 7' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-007-GY-R).....	7.84	
27 29 00 00-1101 EA 7' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Orange (Tripp Lite N001-007-OR).....	10.93	
27 29 00 00-1102 EA 7' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Red (Tripp Lite N001-007-RD).....	10.93	
27 29 00 00-1103 EA 7' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M White (Tripp Lite N001-007-WH).....	10.93	
27 29 00 00-1104 EA 7' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-007-YW).....	10.93	
27 29 00 00-1105 EA 8' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-008-BL).....	11.76	
27 29 00 00-1106 EA 10' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45 (Tripp Lite N001-010-BK).....	12.88	
27 29 00 00-1107 EA 10' Category 5E 350MHz Blue Molded Snagless Patch Cable, RJ45M/M (Tripp Lite N001-010-BL).....	12.88	
27 29 00 00-1108 EA 10' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-010-GN).....	12.88	
27 29 00 00-1109 EA 10' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-010-GY).....	12.88	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 29 00 00-1110	EA	10' Category 5E/5 350MHz Snagless Patch Cbl RJ45 M/M Orange (Tripp Lite N001-010-OR)	12.88	
27 29 00 00-1111	EA	10' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M White (Tripp Lite N001-010-WH)	12.88	
27 29 00 00-1112	EA	10' Category 5E 350MHz Yellow Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-010-YW)	12.88	
27 29 00 00-1113	EA	12' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Gray (Tripp Lite N001-012-GY)	13.73	
27 29 00 00-1114	EA	14' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45 (Tripp Lite N001-014-BK)	14.56	
27 29 00 00-1115	EA	14' Category 5E 350MHz Blue Snagless Molded Patch Cable RJ45 (Tripp Lite N001-014-BL)	14.56	
27 29 00 00-1116	EA	14' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-014-GN)	14.56	
27 29 00 00-1117	EA	14' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-014-GY)	14.56	
27 29 00 00-1118	EA	14' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-014-GY-R)	11.21	
27 29 00 00-1119	EA	14' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Red (Tripp Lite N001-014-RD)	14.56	
27 29 00 00-1120	EA	14' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M White (Tripp Lite N001-014-WH)	14.56	
27 29 00 00-1121	EA	20' Category 5E 350MHz Yellow Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-014-YW)	14.56	
27 29 00 00-1122	EA	15' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-015-BK)	17.08	
27 29 00 00-1123	EA	15' Category 5E 350MHz Blue Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-015-BL)	17.08	
27 29 00 00-1124	EA	15' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-015-GN)	17.08	
27 29 00 00-1125	EA	15' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-015-GY)	17.08	
27 29 00 00-1126	EA	15' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Red (Tripp Lite N001-015-RD)	17.08	
27 29 00 00-1127	EA	15' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M YLW (Tripp Lite N001-015-YW)	17.08	
27 29 00 00-1128	EA	20' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-020-BL)	21.86	
27 29 00 00-1129	EA	20' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-020-GN)	21.86	
27 29 00 00-1130	EA	20' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Gray (Tripp Lite N001-020-GY)	21.86	
27 29 00 00-1131	EA	25' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45 (Tripp Lite N001-025-BK)	26.61	
27 29 00 00-1132	EA	25' Category 5E 350MHz Blue Snagless Molded Patch Cable, RJ45M/M (Tripp Lite N001-025-BL)	26.61	
27 29 00 00-1133	EA	25' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-025-GN)	26.61	
27 29 00 00-1134	EA	25' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-025-GY)	26.61	
27 29 00 00-1135	EA	25' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Red (Tripp Lite N001-025-RD)	26.61	
27 29 00 00-1136	EA	25' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M White (Tripp Lite N001-025-WH)	26.61	
27 29 00 00-1137	EA	25' Category 5E 350MHz Yellow Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-025-YW)	26.61	
27 29 00 00-1138	EA	30' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-030-BK)	33.62	
27 29 00 00-1139	EA	30' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-030-BL)	33.62	
27 29 00 00-1140	EA	30' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Gray (Tripp Lite N001-030-GY)	33.62	
27 29 00 00-1141	EA	40' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-040-BL)	42.03	
27 29 00 00-1142	EA	50' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45 (Tripp Lite N001-050-BK)	50.98	
27 29 00 00-1143	EA	50' Category 5E 350MHz Blue Snagless Molded Patch Cable RJ45 (Tripp Lite N001-050-BL)	50.98	
27 29 00 00-1144	EA	50' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-050-GN)	50.98	
27 29 00 00-1145	EA	50' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-050-GY)	50.98	
27 29 00 00-1146	EA	50' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Red (Tripp Lite N001-050-RD)	50.98	
27 29 00 00-1147	EA	50' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M White (Tripp Lite N001-050-WH)	50.98	
27 29 00 00-1148	EA	50' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M YLW (Tripp Lite N001-050-YW)	50.98	
27 29 00 00-1149	EA	75' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-075-BL)	72.84	
27 29 00 00-1150	EA	75' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-075-GY)	72.84	
27 29 00 00-1151	EA	100' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-100-BK)	103.65	
27 29 00 00-1152	EA	100' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-100-GY)	103.65	
27 29 00 00-1153	EA	125' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-125-GY)	106.46	
27 29 00 00-1154	EA	150' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-150-GY)	151.28	
27 29 00 00-1155	EA	200' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-200-GY)	260.56	
27 29 00 00-1156	EA	1' Category 5E 350MHz Black Molded Patch Cable RJ45 (Tripp Lite N002-001-BK)	6.15	
27 29 00 00-1157	EA	1' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-001-BL)	6.15	
27 29 00 00-1158	EA	1' Category 5E 350MHz Green Molded Patch Cable RJ45M/M (Tripp Lite N002-001-GN)	6.15	
27 29 00 00-1159	EA	1' Category 5E 350MHz Gray Molded Patch Cable RJ45 (Tripp Lite N002-001-GY)	6.15	
27 29 00 00-1160	EA	1' Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-001-RD)	6.15	
27 29 00 00-1161	EA	1' Category 5E 350MHz White Molded Patch Cable RJ45M/M (Tripp Lite N002-001-WH)	6.15	
27 29 00 00-1162	EA	1' Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-001-YW)	6.15	
27 29 00 00-1163	EA	2' Category 5E 350MHz Black Molded Patch Cable RJ45 (Tripp Lite N002-002-BK)	6.44	
27 29 00 00-1164	EA	2' Category 5E 350MHz Blue Molded Patch Cable RJ45 (Tripp Lite N002-002-BL)	6.44	
27 29 00 00-1165	EA	2' Category 5E 350MHz Gray Molded Patch Cable RJ45 (Tripp Lite N002-002-GY)	6.44	
27 29 00 00-1166	EA	3' Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-003-BK)	6.72	
27 29 00 00-1167	EA	3' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-003-BL)	6.72	
27 29 00 00-1168	EA	3' Category 5E 350MHz Green Molded Patch Cable RJ45M/M (Tripp Lite N002-003-GN)	6.72	
27 29 00 00-1169	EA	3' Category 5E 350MHz Gray Molded Patch Cable, RJ45M/M (Tripp Lite N002-003-GY)	6.72	
27 29 00 00-1170	EA	3' Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-003-RD)	6.72	
27 29 00 00-1171	EA	3' Category 5E 350MHz White Molded Patch Cable RJ45M/M (Tripp Lite N002-003-WH)	6.72	
27 29 00 00-1172	EA	3' Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-003-YW)	6.72	
27 29 00 00-1173	EA	4' Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-004-BK)	7.29	
27 29 00 00-1174	EA	4' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-004-BL)	7.29	
27 29 00 00-1175	EA	4' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-004-GY)	7.29	
27 29 00 00-1176	EA	5' Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-005-BK)	7.84	
27 29 00 00-1177	EA	5' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-005-BL)	7.84	
27 29 00 00-1178	EA	5' Category 5E 350MHz Green Molded Patch Cable RJ45M/M (Tripp Lite N002-005-GN)	7.84	
27 29 00 00-1179	EA	5' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-005-GY)	7.84	
27 29 00 00-1180	EA	5' Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-005-RD)	7.84	
27 29 00 00-1181	EA	5' Category 5E 350MHz White Molded Patch Cable RJ45M/M (Tripp Lite N002-005-WH)	7.84	
27 29 00 00-1182	EA	5' Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-005-YW)	7.84	
27 29 00 00-1183	EA	6' Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-006-BK)	9.24	
27 29 00 00-1184	EA	6' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-006-BL)	9.24	
27 29 00 00-1185	EA	6' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-006-GY)	9.24	
27 29 00 00-1186	EA	6' Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-006-RD)	9.24	
27 29 00 00-1187	EA	6' Category 5E/5 350MHz Patch Cable RJ45 M/M White (Tripp Lite N002-006-WH)	9.24	
27 29 00 00-1188	EA	6' Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-006-YW)	9.24	
27 29 00 00-1189	EA	7' Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-007-BK)	10.10	
27 29 00 00-1190	EA	7' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-007-BL)	10.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1191 EA 7' Category 5E 350MHz Green Molded Patch Cable RJ45M/M (Tripp Lite N002-007-GN).....	10.10	
27 29 00 00-1192 EA 7' Category 5E 350MHz Gray Molded Patch Cable, RJ45M/M (Tripp Lite N002-007-GY).....	10.10	
27 29 00 00-1193 EA 7' Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-007-RD).....	10.10	
27 29 00 00-1194 EA 7' Category 5E 350MHz White Molded Patch Cable RJ45M/M (Tripp Lite N002-007-WH).....	10.10	
27 29 00 00-1195 EA 7' Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-007-YW).....	10.10	
27 29 00 00-1196 EA 10' Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-010-BK).....	11.76	
27 29 00 00-1197 EA 10' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-010-BL).....	11.76	
27 29 00 00-1198 EA 10' Category 5E 350MHz Green Molded Patch Cable RJ45M/M (Tripp Lite N002-010-GN).....	11.76	
27 29 00 00-1199 EA 10' Category 5E 350MHz Gray Molded Patch Cable, RJ45M/M (Tripp Lite N002-010-GY).....	11.76	
27 29 00 00-1200 EA 10' Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-010-RD).....	11.76	
27 29 00 00-1201 EA 10' Category 5E 350MHz White Molded Patch Cable RJ45M/M (Tripp Lite N002-010-WH).....	11.76	
27 29 00 00-1202 EA 10' Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-010-YW).....	11.76	
27 29 00 00-1203 EA 12' Category 5E/5 350MHz Patch Cable RJ45 M/M Gray (Tripp Lite N002-012-GY).....	12.88	
27 29 00 00-1204 EA 14' Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-014-BK).....	13.73	
27 29 00 00-1205 EA 14' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-014-BL).....	13.73	
27 29 00 00-1206 EA 14' Category 5E 350MHz Green Molded Patch Cable RJ45M/M (Tripp Lite N002-014-GN).....	13.73	
27 29 00 00-1207 EA 14' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-014-GY).....	13.73	
27 29 00 00-1208 EA 14' Category 5E 350MHz Orange Molded Patch Cable RJ45M/M (Tripp Lite N002-014-OR).....	13.73	
27 29 00 00-1209 EA 14' Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-014-RD).....	13.73	
27 29 00 00-1210 EA 14' Category 5E 350MHz White Molded Patch Cable RJ45M/M (Tripp Lite N002-014-WH).....	13.73	
27 29 00 00-1211 EA 14' Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-014-YW).....	13.73	
27 29 00 00-1212 EA 15' Category 5E/5 350MHz Patch Cable RJ45 M/M Black (Tripp Lite N002-015-BK).....	14.85	
27 29 00 00-1213 EA 15' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-015-BL).....	14.85	
27 29 00 00-1214 EA 15' Category 5E/5 350MHz Patch Cable RJ45 M/M Green (Tripp Lite N002-015-GN).....	14.85	
27 29 00 00-1215 EA 15' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-015-GY).....	14.85	
27 29 00 00-1216 EA 15' Category 5E/5 350MHz Patch Cable RJ45 M/M Yellow (Tripp Lite N002-015-YW).....	14.85	
27 29 00 00-1217 EA 20' Category 5E/5 350MHz Patch Cable RJ45 M/M Black (Tripp Lite N002-020-BK).....	19.05	
27 29 00 00-1218 EA 20' Category 5E/5 350MHz Patch Cable RJ45 M/M Blue (Tripp Lite N002-020-BL).....	19.05	
27 29 00 00-1219 EA 20' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-020-GY).....	19.05	
27 29 00 00-1220 EA 25' Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-025-BK).....	22.14	
27 29 00 00-1221 EA 25' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-025-BL).....	22.14	
27 29 00 00-1222 EA 25' Category 5E 350MHz Green Molded Patch Cable RJ45M/M (Tripp Lite N002-025-GN).....	22.14	
27 29 00 00-1223 EA 25' Category 5E 350MHz Gray Molded Patch Cable, RJ45M/M (Tripp Lite N002-025-GY).....	22.14	
27 29 00 00-1224 EA 25' Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-025-RD).....	22.14	
27 29 00 00-1225 EA 25' Category 5E 350MHz White Molded Patch Cable RJ45M/M (Tripp Lite N002-025-WH).....	22.14	
27 29 00 00-1226 EA 25' Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-025-YW).....	22.14	
27 29 00 00-1227 EA 30' Category 5E/5 350MHz Patch Cable RJ45 M/M Blue (Tripp Lite N002-030-BL).....	25.21	
27 29 00 00-1228 EA 50' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-050-BK).....	39.22	
27 29 00 00-1229 EA 50' Category 5E/5 350MHz Patch Cable RJ45 M/M Blue (Tripp Lite N002-050-BL).....	39.22	
27 29 00 00-1230 EA 50' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-050-GY).....	39.22	
27 29 00 00-1231 EA 50' Category 5E/5 350MHz Patch Cable RJ45 M/M Yellow (Tripp Lite N002-050-YW).....	39.22	
27 29 00 00-1232 EA 75' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-075-GY).....	65.57	
27 29 00 00-1233 EA 100' Category 5E/5 350MHz Patch Cable RJ45 M/M Black (Tripp Lite N002-100-BK).....	79.56	
27 29 00 00-1234 EA 100' Category 5E 350MHz Blue Molded Patch Cable RJ45 (Tripp Lite N002-100-BL).....	79.56	
27 29 00 00-1235 EA 100' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-100-GY).....	79.56	
27 29 00 00-1236 EA 25' Category 5E 350MHz Molded Gray Outdoor Rated Patch Cable RJ45M/M (Tripp Lite N007-025-GY).....	212.93	
27 29 00 00-1237 EA 100' Category 5E 350MHz Molded Gray Outdoor Rated Patch Cable RJ45M/M (Tripp Lite N007-100-GY).....	224.12	
27 29 00 00-1238 EA 150' Category 5E 350MHz Gray Outdoor-Rated Patch Cbl RJ45M/M (Tripp Lite N007-150-GY).....	308.17	
27 29 00 00-1239 EA 200' Category 5E 350MHz Molded Gray Outdoor Rated Patch Cable RJ45 (Tripp Lite N007-200-GY).....	896.53	
27 29 00 00-1240 EA 4' Category 5E Retractable Patch Cable RJ45M/M (Tripp Lite N009-004-R).....	39.22	
27 29 00 00-1241 EA 7' Category 5E 350MHz Gray Cross-over Molded Cable RJ45M/M (Tripp Lite N010-007-GY).....	10.36	
27 29 00 00-1242 EA 10' Category 5E 350MHz Gray Cross-over Molded Cable RJ45M/M (Tripp Lite N010-010-GY).....	12.04	
27 29 00 00-1243 EA 10' Category 5E 350MHz Molded Cross-over Cable (RJ45 M/M) Yellow (Tripp Lite N010-010-YW).....	12.04	
27 29 00 00-1244 EA 25' Category 5E 350MHz Molded Cross-over Cable (RJ45 M/M) Yellow (Tripp Lite N010-025-YW).....	22.40	
27 29 00 00-1245 EA 25' Category 5E 350MHz Gray Cable (Tripp Lite N017-025-GY).....	95.26	
27 29 00 00-1246 EA 1,000' Category 5E 350MHz Bulk Stranded Polyvinyl Chloride (PVC) Cable (Tripp Lite N020-01K-GY).....	952.57	
27 29 00 00-1247 EA 1,000' Category 5E 350MHz Bulk Solid Polyvinyl Chloride (PVC) Cable (Tripp Lite N022-01K-GY).....	644.38	
27 29 00 00-1248 EA 1,000' Category 5E 350MHz Bulk Solid Plenum Cable (Tripp Lite N024-01K).....	1,793.06	
27 29 00 00-1249 EA 1,000' Category 5E Outdoor Rated Polyvinyl Chloride (PVC) Bulk Cable (Tripp Lite N028-01K-GY).....	1,765.05	
27 29 00 00-1250 EA Category 5E RJ45 Modular Connector, Solid - 10 Pack (Tripp Lite N030-010).....	21.29	
27 29 00 00-1251 EA 100PK RJ45 Plugs Round Solid Stranded Conductor 4-pair Category 5E Cable (Tripp Lite N030-100).....	123.27	
27 29 00 00-1252 EA 100PK RJ45 Plugs for Flat Solid / Stranded Conductor Cable (Tripp Lite N030-100-FL).....	123.27	
27 29 00 00-1253 EA Category 5E RJ45 Modular Connector, Stranded - 50 Pack (Tripp Lite N031-050).....	53.24	
27 29 00 00-1254 EA Category 5E Modular Coupler Straight RJ45F/F (Tripp Lite N032-001).....	21.29	
27 29 00 00-1255 EA Modular Coupler Straight RJ45F/F (Tripp Lite N033-001).....	6.44	
27 29 00 00-1256 EA 4-Port Keystone Faceplate for Category 6/5E Keystone Jacks TAA GSA (Tripp Lite N042-001-04-WH).....	7.01	
27 29 00 00-1257 EA White Keystone Faceplate; 2 Outlets (Tripp Lite N042-001-WH).....	5.61	
27 29 00 00-1258 EA Network Cable Tester (Category 5E/6, coax, Phone) RJ45(F)/RJ11(F) (Tripp Lite N044-000-R).....	179.31	
27 29 00 00-1259 EA Punch-Down Cable Installation Tool (Tripp Lite N046-000).....	112.06	
27 29 00 00-1260 EA Category 5E Wall Mount Patch Panel 568B - 12 Port (Tripp Lite N050-012).....	140.09	
27 29 00 00-1261 EA Category 5E Patch Panel 568B - 12 Port (Tripp Lite N052-012).....	156.89	
27 29 00 00-1262 EA Category 5E Patch Panel 568B - 24 Port (Tripp Lite N052-024).....	207.32	
27 29 00 00-1263 EA Category 5E Patch Panel 568B - 48 Port (Tripp Lite N052-048).....	392.22	
27 29 00 00-1264 EA Category 5E Feedthrough Patch Panel, 1U - 24 Port (Tripp Lite N054-024).....	980.58	
27 29 00 00-1265 EA Hinged Wall Mount Patch Panel Bracket - 2U (Tripp Lite N060-002).....	168.10	
27 29 00 00-1266 EA Hinged Wall Mount Patch Panel Bracket - 4U (Tripp Lite N060-004).....	212.93	
27 29 00 00-1267 EA 7' Category 5E 350MHz Gray Molded Shielded Patch Cable, RJ45M/M (Tripp Lite N105-007-GY).....	21.29	
27 29 00 00-1268 EA 10' Category 5E 350MHz Gray Molded Shielded Patch Cable, RJ45M/M (Tripp Lite N105-010-GY).....	25.21	
27 29 00 00-1269 EA 25' Category 5E 350MHz Gray Molded Shielded Patch Cable, RJ45M/M (Tripp Lite N105-025-GY).....	46.51	
27 29 00 00-1270 EA 50' Category 5E 350MHz Gray Molded Shielded Patch Cable, RJ45M/M (Tripp Lite N105-050-GY).....	76.21	
27 29 00 00-1271 EA 100' Category 5E 350MHz Molded Gray Shielded Patch Cable RJ45M/M (Tripp Lite N105-100-GY).....	140.09	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 29 00 00-1272	EA	7' Category 6 Gigabit Molded Gray Shielded Patch Cable RJ45M/M (Tripp Lite N125-007-GY).....	28.86	
27 29 00 00-1273	EA	10' Category 6 Gigabit Molded Gray Shielded Patch Cable RJ45M/M (Tripp Lite N125-010-GY) .....	36.42	
27 29 00 00-1274	EA	25' Category 6 Gigabit Molded Gray Shielded Patch Cable RJ45M/M (Tripp Lite N125-025-GY) .....	75.64	
27 29 00 00-1275	EA	50' Category 6 Gigabit Molded Gray Shielded Patch Cable RJ45M/M (Tripp Lite N125-050-GY) .....	123.27	
27 29 00 00-1276	EA	50' Category 3 25-Pair Telco Cable, RJ21 M to Open End (Tripp Lite N154-050-C3).....	240.94	
27 29 00 00-1277	EA	1' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-001-BK) .....	10.10	
27 29 00 00-1278	EA	1' Category 6 Gigabit Blue Snagless Patch Cable RJ45 (Tripp Lite N201-001-BL) .....	10.10	
27 29 00 00-1279	EA	1' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-001-GY).....	10.10	
27 29 00 00-1280	EA	1' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-001-RD).....	10.10	
27 29 00 00-1281	EA	1' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-001-WH).....	10.10	
27 29 00 00-1282	EA	1' Category 6 Gig Snagless Molded Patch Cable RJ45 M/M Yellow (Tripp Lite N201-001-YW).....	10.10	
27 29 00 00-1283	EA	2' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-002-BK) .....	11.21	
27 29 00 00-1284	EA	2' Category 6 Gigabit Blue Snagless Patch Cable (Tripp Lite N201-002-BL).....	11.21	
27 29 00 00-1285	EA	2' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-002-GY) .....	11.21	
27 29 00 00-1286	EA	2' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-002-RD).....	11.21	
27 29 00 00-1287	EA	2' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-002-WH).....	11.21	
27 29 00 00-1288	EA	2' Category 6 Gig Snagless Molded Patch Cable RJ45 M/M Yellow (Tripp Lite N201-002-YW).....	11.21	
27 29 00 00-1289	EA	3' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-003-BK) .....	12.61	
27 29 00 00-1290	EA	3' Category 6 550MHz Blue Molded Snagless Patch Cable, RJ45M/M (Tripp Lite N201-003-BL).....	12.61	
27 29 00 00-1291	EA	3' Category 6 Gigabit Green Snagless Patch Cable RJ45 (Tripp Lite N201-003-GN).....	12.61	
27 29 00 00-1292	EA	3' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-003-GY).....	12.61	
27 29 00 00-1293	EA	3' Category 6 Gigabit Orange Snagless Patch Cable RJ45 (Tripp Lite N201-003-OR) .....	12.61	
27 29 00 00-1294	EA	3' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Purple (Tripp Lite N201-003-PU) .....	12.61	
27 29 00 00-1295	EA	3' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-003-RD).....	12.61	
27 29 00 00-1296	EA	3' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-003-WH).....	12.61	
27 29 00 00-1297	EA	3' Category 6 Gigabit Yellow Snagless Patch Cable RJ45 (Tripp Lite N201-003-YW) .....	12.61	
27 29 00 00-1298	EA	4' Category 6 Gigabit Snagless Molded Patch Cable Blue (Tripp Lite N201-004-BL).....	13.45	
27 29 00 00-1299	EA	4' Category 6 Gig Snagless Molded Patch Cable RJ45 M/M Yellow (Tripp Lite N201-004-YW).....	13.45	
27 29 00 00-1300	EA	5' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-005-BK) .....	15.68	
27 29 00 00-1301	EA	5' Category 6 Gigabit Blue Snagless Patch Cable RJ45 (Tripp Lite N201-005-BL) .....	15.68	
27 29 00 00-1302	EA	5' Category 6 Gigabit Green Snagless Patch Cable RJ45 (Tripp Lite N201-005-GN) .....	15.68	
27 29 00 00-1303	EA	5' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-005-GY).....	15.68	
27 29 00 00-1304	EA	5' Category 6 Gigabit Orange Snagless Patch Cable RJ45 (Tripp Lite N201-005-OR) .....	15.68	
27 29 00 00-1305	EA	5' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-005-RD).....	15.68	
27 29 00 00-1306	EA	5' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-005-WH).....	15.68	
27 29 00 00-1307	EA	5' Category 6 Gigabit Yellow Snagless Patch Cable RJ45 (Tripp Lite N201-005-YW) .....	15.68	
27 29 00 00-1308	EA	6' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Black (Tripp Lite N201-006-BK).....	16.82	
27 29 00 00-1309	EA	6' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue (Tripp Lite N201-006-BL).....	16.82	
27 29 00 00-1310	EA	6' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Green (Tripp Lite N201-006-GN).....	16.82	
27 29 00 00-1311	EA	6' Category 6 Gigabit Snagless Molded Patch Cable Gray (Tripp Lite N201-006-GY) .....	16.82	
27 29 00 00-1312	EA	6' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Red (Tripp Lite N201-006-RD) .....	16.82	
27 29 00 00-1313	EA	6' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Yellow (Tripp Lite N201-006-YW).....	16.82	
27 29 00 00-1314	EA	7' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-007-BK) .....	17.65	
27 29 00 00-1315	EA	7' Category 6 550MHz Blue Molded Snagless Patch Cable, RJ45M/M (Tripp Lite N201-007-BL).....	17.65	
27 29 00 00-1316	EA	7' Category 6 Gigabit Green Snagless Patch Cable RJ45 (Tripp Lite N201-007-GN) .....	17.65	
27 29 00 00-1317	EA	7' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-007-GY).....	17.65	
27 29 00 00-1318	EA	7' Category 6 Gigabit Orange Snagless Patch Cable RJ45 (Tripp Lite N201-007-OR) .....	17.65	
27 29 00 00-1319	EA	7' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Purple (Tripp Lite N201-007-PU) .....	17.65	
27 29 00 00-1320	EA	7' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-007-RD).....	17.65	
27 29 00 00-1321	EA	7' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-007-WH).....	17.65	
27 29 00 00-1322	EA	7' Category 6 Gigabit Yellow Snagless Patch Cable RJ45 (Tripp Lite N201-007-YW) .....	17.65	
27 29 00 00-1323	EA	10' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-010-BK).....	22.14	
27 29 00 00-1324	EA	10' Category 6 550MHz Blue Molded Snagless Patch Cable, RJ45M/M (Tripp Lite N201-010-BL).....	22.14	
27 29 00 00-1325	EA	10' Category 6 Gigabit Green Snagless Patch Cable RJ45 (Tripp Lite N201-010-GN).....	22.14	
27 29 00 00-1326	EA	10' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-010-GY).....	22.14	
27 29 00 00-1327	EA	10' Category 6 Gigabit Orange Snagless Patch Cable RJ45 (Tripp Lite N201-010-OR) .....	22.14	
27 29 00 00-1328	EA	10' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Purple (Tripp Lite N201-010-PU).....	22.14	
27 29 00 00-1329	EA	10' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-010-RD).....	22.14	
27 29 00 00-1330	EA	10' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-010-WH).....	22.14	
27 29 00 00-1331	EA	10' Category 6 Gigabit Yellow Snagless Patch Cable RJ45 (Tripp Lite N201-010-YW) .....	22.14	
27 29 00 00-1332	EA	12' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue (Tripp Lite N201-012-BL).....	24.09	
27 29 00 00-1333	EA	12' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Green (Tripp Lite N201-012-GN).....	24.09	
27 29 00 00-1334	EA	14' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-014-BK) .....	28.01	
27 29 00 00-1335	EA	14' Category 6 Gigabit Blue Snagless Patch Cable RJ45 (Tripp Lite N201-014-BL).....	28.01	
27 29 00 00-1336	EA	14' Category 6 Gigabit Green Snagless Patch Cable RJ45M/M (Tripp Lite N201-014-GN).....	28.01	
27 29 00 00-1337	EA	14' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-014-GY).....	28.01	
27 29 00 00-1338	EA	14' Category 6 Gigabit Orange Snagless Patch Cable RJ45 (Tripp Lite N201-014-OR) .....	28.01	
27 29 00 00-1339	EA	14' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Purple (Tripp Lite N201-014-PU).....	28.01	
27 29 00 00-1340	EA	14' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-014-RD).....	28.01	
27 29 00 00-1341	EA	14' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-014-WH).....	28.01	
27 29 00 00-1342	EA	14' Category 6 Gigabit Yellow Snagless Patch Cable RJ45 (Tripp Lite N201-014-YW) .....	28.01	
27 29 00 00-1343	EA	15' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Black (Tripp Lite N201-015-BK).....	28.01	
27 29 00 00-1344	EA	15' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue (Tripp Lite N201-015-BL).....	28.01	
27 29 00 00-1345	EA	15' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Green (Tripp Lite N201-015-GN).....	28.01	
27 29 00 00-1346	EA	15' Category 6 Gigabit Snagless Molded Patch Cable (RJ45 M/M) Gray (Tripp Lite N201-015-GY).....	28.01	
27 29 00 00-1347	EA	15' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Red (Tripp Lite N201-015-RD).....	28.01	
27 29 00 00-1348	EA	15' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M White (Tripp Lite N201-015-WH).....	28.01	
27 29 00 00-1349	EA	15' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M YLW (Tripp Lite N201-015-YW).....	28.01	
27 29 00 00-1350	EA	20' Category 6 Gigabit Black Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-BK) .....	33.62	
27 29 00 00-1351	EA	20' Category 6 Gigabit Blue Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-BL).....	33.62	
27 29 00 00-1352	EA	20' Category 6 Gigabit Green Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-GN).....	33.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1353	EA	20'	Category 6 Gigabit Gray Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-GY).....	33.62	
27 29 00 00-1354	EA	20'	Category 6 Gigabit Orange Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-OR) .....	33.62	
27 29 00 00-1355	EA	20'	Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-RD).....	33.62	
27 29 00 00-1356	EA	20'	Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-WH).....	33.62	
27 29 00 00-1357	EA	20'	Category 6 Gigabit Yellow Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-YW) .....	33.62	
27 29 00 00-1358	EA	25'	Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-025-BK) .....	39.22	
27 29 00 00-1359	EA	25'	Category 6 550MHz Blue Molded Snagless Patch Cable, RJ45M/M (Tripp Lite N201-025-BL) .....	39.22	
27 29 00 00-1360	EA	25'	Category 6 Gigabit Blue Flat Snagless Patch Cable, RJ45 M/M (Tripp Lite N201-025-BL-FL).....	53.24	
27 29 00 00-1361	EA	25'	Category 6 Gigabit Green Snagless Patch Cable RJ45 (Tripp Lite N201-025-GN) .....	39.22	
27 29 00 00-1362	EA	25'	Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-025-GY) .....	39.22	
27 29 00 00-1363	EA	25'	Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-025-OR).....	39.22	
27 29 00 00-1364	EA	25'	Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Purple (Tripp Lite N201-025-PU).....	39.22	
27 29 00 00-1365	EA	25'	Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-025-RD).....	39.22	
27 29 00 00-1366	EA	25'	Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-025-WH) .....	39.22	
27 29 00 00-1367	EA	25'	Category 6 Gigabit Yellow Snagless Patch Cable RJ45 (Tripp Lite N201-025-YW) .....	39.22	
27 29 00 00-1368	EA	30'	Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Black (Tripp Lite N201-030-BK) .....	45.11	
27 29 00 00-1369	EA	30'	Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue (Tripp Lite N201-030-BL) .....	45.11	
27 29 00 00-1370	EA	30'	Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Gray (Tripp Lite N201-030-GY) .....	45.11	
27 29 00 00-1371	EA	35'	Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue (Tripp Lite N201-035-BL) .....	52.12	
27 29 00 00-1372	EA	50'	Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Black (Tripp Lite N201-050-BK) .....	72.84	
27 29 00 00-1373	EA	50'	Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue (Tripp Lite N201-050-BL) .....	72.84	
27 29 00 00-1374	EA	50'	Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Green (Tripp Lite N201-050-GN).....	72.84	
27 29 00 00-1375	EA	50'	Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-050-GY).....	72.84	
27 29 00 00-1376	EA	50'	Category 6 Gray Gigabit Plenum Snagless Patch Cable (Tripp Lite N201-050-GY-P) .....	252.15	
27 29 00 00-1377	EA	50'	Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-050-RD).....	72.84	
27 29 00 00-1378	EA	50'	Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M White (Tripp Lite N201-050-WH) .....	72.84	
27 29 00 00-1379	EA	50'	Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M YLW (Tripp Lite N201-050-YW) .....	72.84	
27 29 00 00-1380	EA	75'	Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Gray (Tripp Lite N201-075-GY) .....	106.46	
27 29 00 00-1381	EA	100'	Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M BLK (Tripp Lite N201-100-BK) .....	145.68	
27 29 00 00-1382	EA	100'	Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M BLU (Tripp Lite N201-100-BL).....	145.68	
27 29 00 00-1383	EA	100'	Category 6 Gray Gigabit Plenum Snagless Patch Cable (Tripp Lite N201-100-GY-P) .....	504.31	
27 29 00 00-1384	EA	125'	Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M PRP (Tripp Lite N201-125-PU).....	173.71	
27 29 00 00-1385	EA	150'	Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M PRP (Tripp Lite N201-150-PU).....	212.93	
27 29 00 00-1386	EA	25'	Category 6 Gigabit Solid Conductor Patch Cable (RJ45 M/M) Blue (Tripp Lite N202-025-BL).....	49.32	
27 29 00 00-1387	EA	50'	Category 6 Gigabit Solid Conductor Patch Cable (RJ45 M/M) Blue (Tripp Lite N202-050-BL) .....	78.44	
27 29 00 00-1388	EA	75'	Category 6 Gigabit Solid Conductor Patch Cable (RJ45 M/M) Blue (Tripp Lite N202-075-BL) .....	106.46	
27 29 00 00-1389	EA	100'	Category 6 Gigabit Solid Conductor Patch Cable (RJ45 M/M) Blue (Tripp Lite N202-100-BL) .....	151.28	
27 29 00 00-1390	EA	125'	Category 6 Blue Solid Conductor 4 Pair Snagless Patch Cable (Tripp Lite N202-125-BL).....	179.31	
27 29 00 00-1391	EA	150'	Category 6 Gigabit Solid Conductor Patch Cable (RJ45 M/M) Blue (Tripp Lite N202-150-BL) .....	218.54	
27 29 00 00-1392	EA	175'	Category 6 Gig Solid Conductor Patch Cable RJ45 M/M Blue (Tripp Lite N202-175-BL) .....	246.55	
27 29 00 00-1393	EA	200'	Category 6 Gigabit Solid Conductor Patch Cable (RJ45 M/M) Blue (Tripp Lite N202-200-BL) .....	291.38	
27 29 00 00-1394	EA	3'	Category 6 Gigabit Right Angle Down to Straight Patch Cable Blue (Tripp Lite N204-003-BL-DN).....	19.62	
27 29 00 00-1395	EA	3'	Category 6 Gigabit Left Angle to Straight Patch Cable Blue (Tripp Lite N204-003-BL-LA) .....	19.62	
27 29 00 00-1396	EA	3'	Category 6 Gigabit Right Angle to Straight Patch Cable Blue (Tripp Lite N204-003-BL-RA) .....	19.62	
27 29 00 00-1397	EA	3'	Category 6 Gigabit Up Angle to Straight Patch Cable Blue (Tripp Lite N204-003-BL-UP) .....	19.62	
27 29 00 00-1398	EA	5'	Category 6 Gigabit Right Angle Down to Straight Patch Cable Blue (Tripp Lite N204-005-BL-DN).....	25.21	
27 29 00 00-1399	EA	5'	Category 6 Gigabit Left Angle to Straight Patch Cable Blue (Tripp Lite N204-005-BL-LA) .....	25.21	
27 29 00 00-1400	EA	5'	Category 6 Gigabit Right Angle to Straight Patch Cable Blue (Tripp Lite N204-005-BL-RA) .....	25.21	
27 29 00 00-1401	EA	5'	Category 6 Gigabit Up Angle to Straight Patch Cable Blue (Tripp Lite N204-005-BL-UP) .....	25.21	
27 29 00 00-1402	EA	10'	Category 6 Gig Right Angle Down to Straight Patch Cable Blue (Tripp Lite N204-010-BL-DN).....	30.81	
27 29 00 00-1403	EA	10'	Category 6 Gigabit Left Angle to Straight Patch Cable Blue (Tripp Lite N204-010-BL-LA) .....	30.81	
27 29 00 00-1404	EA	10'	Category 6 Gigabit Right Angle to Straight Patch Cable Blue (Tripp Lite N204-010-BL-RA) .....	30.81	
27 29 00 00-1405	EA	10'	Category 6 Gigabit Up Angle to Straight Patch Cable Blue (Tripp Lite N204-010-BL-UP) .....	30.81	
27 29 00 00-1406	EA	7'	Category 6 Gigabit Gray Cross-over Patch Cable RJ45M/M (Tripp Lite N210-007-GY) .....	17.65	
27 29 00 00-1407	EA	10'	Category 6 Gigabit Gray Cross-over Patch Cable RJ45M/M (Tripp Lite N210-010-GY).....	22.14	
27 29 00 00-1408	EA	1,000'	Category 6 Gigabit Bulk Solid Blue Polyvinyl Chloride (PVC) Cable (Tripp Lite N222-01K-BL).....	1,036.60	
27 29 00 00-1409	EA	1,000'	Category 6 Gigabit Bulk Solid Gray Polyvinyl Chloride (PVC) Cable (Tripp Lite N222-01K-GY) .....	1,036.60	
27 29 00 00-1410	EA	1,000'	Category 6 Gigabit Bulk Solid Plenum Cable (Tripp Lite N224-01K-GY) .....	2,549.50	
27 29 00 00-1411	EA	100PK	Category 6 RJ45 Modular Connector Plug Solid / Stranded RND (Tripp Lite N230-100).....	224.12	
27 29 00 00-1412	EA	Category 6	Straight-thru Snap-in Black Coupler - RJ45F/F (Tripp Lite N235-001) .....	67.23	
27 29 00 00-1413	EA	Category 6	Straight Modular In-Line Snap-In Coupler RJ45 F/F TAA GSA (Tripp Lite N235-001-SH).....	78.44	
27 29 00 00-1414	EA	Category 6/5E	Blue Wallplate Keystone Jack, Punch-Down/RJ45 F (Tripp Lite N238-001-BL).....	14.28	
27 29 00 00-1415	EA	Category 6/5E	Green Wallplate Keystone Jack, Punch-Down/RJ45 F (Tripp Lite N238-001-GN).....	14.28	
27 29 00 00-1416	EA	Category 6/5E	Red Wallplate Keystone Jack, Punch-Down/RJ45 F (Tripp Lite N238-001-RD).....	14.28	
27 29 00 00-1417	EA	Category 6/5E	White Wallplate Keystone Jack, Punch-Down/RJ45 F (Tripp Lite N238-001-WH).....	14.28	
27 29 00 00-1418	EA	Category 6/5E	110 Style Punch Down Keystone Jack White TAA / GSA (Tripp Lite N238-001-WH-TF) .....	19.62	
27 29 00 00-1419	EA	Category 6/5E	Yellow Wallplate Keystone Jack, Punch-Down/RJ45 F (Tripp Lite N238-001-YW).....	14.28	
27 29 00 00-1420	EA	Category 6	Wall Mount Feedthrough Patch Panel -12 Port (Tripp Lite N250-012) .....	201.72	
27 29 00 00-1421	EA	24-Port	Category 6/5E Low Profile Wallmount Patch Panel 1U TAA (Tripp Lite N250-024-LP) .....	1,232.74	
27 29 00 00-1422	EA	Category 6	Patch Panel 568B - 12 Port (Tripp Lite N252-012).....	196.11	
27 29 00 00-1423	EA	Category 6	Patch Panel 568B - 24 Port (Tripp Lite N252-024).....	353.00	
27 29 00 00-1424	EA	24-Port	Category 6 0.5U RM Patch Panel 568A/B TAA / GSA (Tripp Lite N252-024-HU).....	644.38	
27 29 00 00-1425	EA	24-Port	Category 6 Keystone Type V-Shaped Patch Panel TAA / GSA (Tripp Lite N252-024-V).....	1,232.74	
27 29 00 00-1426	EA	Category 6	Patch Panel 568B - 48 Port (Tripp Lite N252-048).....	672.39	
27 29 00 00-1427	EA	Category 6	1U Patch Panel 568B - 110 Punchdown to RJ45 Female - 48 Port (Tripp Lite N252-048-1U).....	1,232.74	
27 29 00 00-1428	EA	Category 6	Feedthrough Patch Panel, 1U - 24 Port (Tripp Lite N254-024) .....	1,176.69	
27 29 00 00-1429	EA	24-Port	Shielded Category 6 Feed Through Patch Panel TAA GSA (Tripp Lite N254-024-SH) .....	1,484.87	
27 29 00 00-1430	EA	7'	Augmented Category 6A Snagless 10G Aqua Certified Patch Cable RJ45 (Tripp Lite N261-007-AQ).....	39.22	
27 29 00 00-1431	EA	14'	Augmented Category 6A Snagless 10G Aqua Certified Patch Cable RJ45 (Tripp Lite N261-014-AQ).....	72.84	
27 29 00 00-1432	EA	25'	Augmented Category 6A Snagless 10G Aqua Certified Patch Cable RJ45 (Tripp Lite N261-025-AQ).....	112.06	
27 29 00 00-1433	EA	10Gbps	CX4 Cable - 1M(3') (Tripp Lite N263-01M).....	504.31	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1434	EA		10Gb CX4 Cable, 2M (Tripp Lite N263-02M).....	560.33	
27 29 00 00-1435	EA		10Gbps CX4 Cable - 3M (10') (Tripp Lite N263-03M).....	616.37	
27 29 00 00-1436	EA		10Gb CX4 Cable, 5M (Tripp Lite N263-05M).....	812.48	
27 29 00 00-1437	EA		10Gbps CX4 Cable - 20" (Tripp Lite N263-20L).....	481.88	
27 29 00 00-1438	EA		T1 RJ48 Patch Cable - Straight - RJ45 M/M - 3ft (Tripp Lite N265-003).....	72.84	
27 29 00 00-1439	EA		T1 RJ48 Patch Cable - Straight - RJ45 M/M - 5ft (Tripp Lite N265-005).....	84.05	
27 29 00 00-1440	EA		T1 RJ48 Patch Cable - Straight - RJ45 M/M - 7ft (Tripp Lite N265-007).....	95.26	
27 29 00 00-1441	EA		T1 RJ48 Patch Cable - Straight - RJ45 M/M - 10ft (Tripp Lite N265-010).....	112.06	
27 29 00 00-1442	EA		T1 RJ48 Patch Cable - Crossover - RJ45 M/M - 3ft (Tripp Lite N266-003).....	72.84	
27 29 00 00-1443	EA		T1 RJ48 Patch Cable - Crossover - RJ45 M/M - 5ft (Tripp Lite N266-005).....	84.05	
27 29 00 00-1444	EA		T1 RJ48 Patch Cable - Crossover - RJ45 M/M - 7ft (Tripp Lite N266-007).....	95.26	
27 29 00 00-1445	EA		T1 RJ48 Patch Cable - Crossover - RJ45 M/M - 10ft (Tripp Lite N266-010).....	112.06	
27 29 00 00-1446	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable ST/ST - 1M (3') (Tripp Lite N302-003).....	34.12	
27 29 00 00-1447	EA		Duplex Multimode 62.5/125 Fiber Patch Cable ST/ST - 6' (Tripp Lite N302-006).....	37.37	
27 29 00 00-1448	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable ST/ST - 3M (10') (Tripp Lite N302-010).....	39.00	
27 29 00 00-1449	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable ST/ST - 5M (16') (Tripp Lite N302-05M).....	48.75	
27 29 00 00-1450	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl ST/ST- 6M (20ft) (Tripp Lite N302-06M).....	45.50	
27 29 00 00-1451	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl ST/ST - 8M (25ft) (Tripp Lite N302-08M).....	58.50	
27 29 00 00-1452	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable ST/ST - 10M (33') (Tripp Lite N302-10M).....	65.00	
27 29 00 00-1453	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable ST/ST - 15M (50') (Tripp Lite N302-15M).....	78.00	
27 29 00 00-1454	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl ST/ST - 18M (60ft) (Tripp Lite N302-18M).....	81.25	
27 29 00 00-1455	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl ST/ST - 23M (75ft) (Tripp Lite N302-23M).....	97.50	
27 29 00 00-1456	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl ST/ST - 30M (100ft) (Tripp Lite N302-30M).....	130.00	
27 29 00 00-1457	EA		50M Duplex Multimode Fiber 62.5/125 Patch Cable ST/ST 164ft (Tripp Lite N302-50M).....	207.99	
27 29 00 00-1458	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 1M (3') (Tripp Lite N304-003).....	32.50	
27 29 00 00-1459	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 1.2M (4') (Tripp Lite N304-004).....	30.87	
27 29 00 00-1460	EA		Duplex Multimode 62.5/125 Fiber Patch Cable SC/ST - 6' (Tripp Lite N304-006).....	35.75	
27 29 00 00-1461	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 2.4M (8ft) (Tripp Lite N304-008).....	35.75	
27 29 00 00-1462	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 3M (10') (Tripp Lite N304-010).....	39.00	
27 29 00 00-1463	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 7.5M (25') (Tripp Lite N304-025).....	48.75	
27 29 00 00-1464	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 5M (16') (Tripp Lite N304-05M).....	42.25	
27 29 00 00-1465	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 6M (20') (Tripp Lite N304-06M).....	45.50	
27 29 00 00-1466	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 9M (30ft) (Tripp Lite N304-09M).....	52.00	
27 29 00 00-1467	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 10M (30ft - 33ft) (Tripp Lite N304-10M).....	55.25	
27 29 00 00-1468	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 11M (35ft) (Tripp Lite N304-11M).....	55.25	
27 29 00 00-1469	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 15M (50ft) (Tripp Lite N304-15M).....	71.50	
27 29 00 00-1470	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 23M (75ft) (Tripp Lite N304-23M).....	81.25	
27 29 00 00-1471	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 30M (100ft) (Tripp Lite N304-30M).....	94.25	
27 29 00 00-1472	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 0.3M (1') (Tripp Lite N306-001).....	32.50	
27 29 00 00-1473	EA		0.6m Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC (Tripp Lite N306-002).....	34.12	
27 29 00 00-1474	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 1M (3') (Tripp Lite N306-003).....	32.50	
27 29 00 00-1475	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 1.2M (4') (Tripp Lite N306-004).....	40.62	
27 29 00 00-1476	EA		Duplex Multimode 62.5/125 Fiber Patch Cable SC/SC - 6' (Tripp Lite N306-006).....	35.75	
27 29 00 00-1477	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 3M (10') (Tripp Lite N306-010).....	39.00	
27 29 00 00-1478	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 4M (13ft) (Tripp Lite N306-04M).....	42.25	
27 29 00 00-1479	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 5M (16') (Tripp Lite N306-05M).....	45.50	
27 29 00 00-1480	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 7M (23') (Tripp Lite N306-07M).....	52.00	
27 29 00 00-1481	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 8M (26') (Tripp Lite N306-08M).....	55.25	
27 29 00 00-1482	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 9M (30') (Tripp Lite N306-09M).....	58.50	
27 29 00 00-1483	EA		100M Duplex Multimode Fiber 62.5/125 Patch Cable SC/SC 328ft (Tripp Lite N306-100M).....	308.74	
27 29 00 00-1484	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 12M (40ft) (Tripp Lite N306-12M).....	68.25	
27 29 00 00-1485	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 15M (50ft) (Tripp Lite N306-15M).....	81.25	
27 29 00 00-1486	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 23M (75ft) (Tripp Lite N306-23M).....	97.50	
27 29 00 00-1487	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 25M (80ft) (Tripp Lite N306-25M).....	107.25	
27 29 00 00-1488	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 30M (100ft) (Tripp Lite N306-30M).....	120.25	
27 29 00 00-1489	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 46M (150ft) (Tripp Lite N306-46M).....	146.25	
27 29 00 00-1490	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 60M (200ft) (Tripp Lite N306-60M).....	204.74	
27 29 00 00-1491	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/ST - 1M (3') (Tripp Lite N308-003).....	32.50	
27 29 00 00-1492	EA		Duplex Multimode 62.5/125 Fiber Patch Cable MTRJ/ST - 6' (Tripp Lite N308-006).....	35.75	
27 29 00 00-1493	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/ST - 3M (10') (Tripp Lite N308-010).....	39.00	
27 29 00 00-1494	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/ST - 5M (16') (Tripp Lite N308-05M).....	42.25	
27 29 00 00-1495	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/ST - 8M (25ft) (Tripp Lite N308-08M).....	48.75	
27 29 00 00-1496	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/ST - 15M (50ft) (Tripp Lite N308-15M).....	65.00	
27 29 00 00-1497	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/SC - 1M (3') (Tripp Lite N310-003).....	39.00	
27 29 00 00-1498	EA		Duplex Multimode 62.5/125 Fiber Patch Cable MTRJ/SC - 6' (Tripp Lite N310-006).....	39.00	
27 29 00 00-1499	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/SC - 3M (10') (Tripp Lite N310-010).....	42.25	
27 29 00 00-1500	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/SC - 5M (16') (Tripp Lite N310-05M).....	45.50	
27 29 00 00-1501	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/SC - 8M (25ft) (Tripp Lite N310-08M).....	48.75	
27 29 00 00-1502	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/SC - 11M (35ft) (Tripp Lite N310-11M).....	55.25	
27 29 00 00-1503	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/ST - 15M (50') (Tripp Lite N310-15M).....	68.25	
27 29 00 00-1504	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/SC - 30M (100ft) (Tripp Lite N310-30M).....	94.25	
27 29 00 00-1505	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/MTRJ - 1M (3') (Tripp Lite N312-01M).....	35.75	
27 29 00 00-1506	EA		Duplex Multimode 62.5/125 Fiber Patch Cable MTRJ/MTRJ - 2M (Tripp Lite N312-02M).....	39.00	
27 29 00 00-1507	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/MTRJ - 3M (10') (Tripp Lite N312-03M).....	42.25	
27 29 00 00-1508	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/MTRJ - 5M (15') (Tripp Lite N312-05M).....	45.50	
27 29 00 00-1509	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/LC - 1M (3') (Tripp Lite N314-01M).....	52.00	
27 29 00 00-1510	EA		Duplex Multimode 62.5/125 Fiber Patch Cable MTRJ/LC - 2M (Tripp Lite N314-02M).....	55.25	
27 29 00 00-1511	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/LC - 3M (10') (Tripp Lite N314-03M).....	58.50	
27 29 00 00-1512	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/LC - 5M (16') (Tripp Lite N314-05M).....	65.00	
27 29 00 00-1513	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/LC - 9M (30ft) (Tripp Lite N314-09M).....	68.25	
27 29 00 00-1514	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/LC - 15M (50ft) (Tripp Lite N314-15M).....	84.50	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1515	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 1M (3') (Tripp Lite N316-01M).....	45.50	
27 29 00 00-1516	EA			Duplex Multimode 62.5/125 Fiber Patch Cable LC/SC - 2M (Tripp Lite N316-02M).....	48.75	
27 29 00 00-1517	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 3M (10') (Tripp Lite N316-03M).....	52.00	
27 29 00 00-1518	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 4M (13') (Tripp Lite N316-04M).....	55.25	
27 29 00 00-1519	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 5M (15') (Tripp Lite N316-05M).....	58.50	
27 29 00 00-1520	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 6M (20') (Tripp Lite N316-06M).....	61.75	
27 29 00 00-1521	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 7M (23') (Tripp Lite N316-07M).....	65.00	
27 29 00 00-1522	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 10M (33') (Tripp Lite N316-10M).....	71.50	
27 29 00 00-1523	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 13M (40') (Tripp Lite N316-13M).....	81.25	
27 29 00 00-1524	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 15M (50') (Tripp Lite N316-15M).....	91.00	
27 29 00 00-1525	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 20M (65') (Tripp Lite N316-20M).....	100.75	
27 29 00 00-1526	EA			Duplex Multimode 62.5/125 Fiber Patch Cbl LC/SC - 21M (70ft) (Tripp Lite N316-21M).....	107.25	
27 29 00 00-1527	EA			Duplex Multimode 62.5/125 Fiber Patch Cbl LC/SC - 25M (80ft) (Tripp Lite N316-25M).....	113.75	
27 29 00 00-1528	EA			Duplex Multimode 62.5/125 Fiber Patch Cbl LC/SC - 30M (100ft) (Tripp Lite N316-30M).....	120.25	
27 29 00 00-1529	EA			Duplex Multimode 62.5/125 Fiber Patch Cbl LC/SC - 9M (30ft) (Tripp Lite N316-76M).....	195.00	
27 29 00 00-1530	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/ST - 1M (3') (Tripp Lite N318-01M).....	48.75	
27 29 00 00-1531	EA			Duplex Multimode 62.5/125 Fiber Patch Cable LC/ST - 2M (Tripp Lite N318-02M).....	53.62	
27 29 00 00-1532	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/ST - 3M (10') (Tripp Lite N318-03M).....	55.25	
27 29 00 00-1533	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/ST - 5M (15') (Tripp Lite N318-05M).....	58.50	
27 29 00 00-1534	EA			Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 6M (Tripp Lite N318-06M).....	61.75	
27 29 00 00-1535	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/ST - 7M (23') (Tripp Lite N318-07M).....	65.00	
27 29 00 00-1536	EA			Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 8M (25ft) (Tripp Lite N318-08M).....	68.25	
27 29 00 00-1537	EA			Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 9M (30ft) (Tripp Lite N318-09M).....	71.50	
27 29 00 00-1538	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/ST - 10M (33') (Tripp Lite N318-10M).....	78.00	
27 29 00 00-1539	EA			Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 15M (50ft) (Tripp Lite N318-15M).....	91.00	
27 29 00 00-1540	EA			Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 20M (65ft) (Tripp Lite N318-20M).....	100.75	
27 29 00 00-1541	EA			Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 30M (100ft) (Tripp Lite N318-30M).....	117.00	
27 29 00 00-1542	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 1' (Tripp Lite N320-001).....	53.62	
27 29 00 00-1543	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 1M (3') (Tripp Lite N320-01M).....	55.25	
27 29 00 00-1544	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 1M (3') (Tripp Lite N320-01M-RD).....	55.25	
27 29 00 00-1545	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 2M (6') (Tripp Lite N320-02M).....	58.50	
27 29 00 00-1546	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 2M (6') (Tripp Lite N320-02M-RD).....	58.50	
27 29 00 00-1547	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 3M (10') (Tripp Lite N320-03M).....	61.75	
27 29 00 00-1548	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 3M (10') (Tripp Lite N320-03M-RD).....	61.75	
27 29 00 00-1549	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 4M (13') (Tripp Lite N320-04M).....	65.00	
27 29 00 00-1550	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 5M (16') (Tripp Lite N320-05M).....	65.00	
27 29 00 00-1551	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 5M (16') (Tripp Lite N320-05M-RD).....	65.00	
27 29 00 00-1552	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 6M (20') (Tripp Lite N320-06M).....	71.50	
27 29 00 00-1553	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 7M (23') (Tripp Lite N320-07M).....	74.75	
27 29 00 00-1554	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 10M (33') (Tripp Lite N320-10M).....	81.25	
27 29 00 00-1555	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 10M (33') (Tripp Lite N320-10M-RD).....	78.00	
27 29 00 00-1556	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 15M (16') (Tripp Lite N320-15M).....	94.25	
27 29 00 00-1557	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 15M (50') (Tripp Lite N320-15M-RD).....	87.75	
27 29 00 00-1558	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 20M (65') (Tripp Lite N320-20M).....	110.50	
27 29 00 00-1559	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 20 (65') (Tripp Lite N320-20M-RD).....	104.00	
27 29 00 00-1560	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 21M (70') (Tripp Lite N320-21M).....	100.75	
27 29 00 00-1561	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 25M (80') (Tripp Lite N320-25M).....	123.50	
27 29 00 00-1562	EA			30M Duplex MMF 62.5/125 Patch Cable (LC/LC) 100ft (Tripp Lite N320-30M).....	143.00	
27 29 00 00-1563	EA			405ft Duplex Multimode Fiber 62.5/125 Patch Cable LC/LC 405' (Tripp Lite N320-405).....	487.49	
27 29 00 00-1564	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 46M (150') (Tripp Lite N320-46M).....	152.75	
27 29 00 00-1565	EA			61M Duplex Multimode Fiber 62.5/125 Patch Cable LC/LC 200ft (Tripp Lite N320-61M).....	461.49	
27 29 00 00-1566	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl ST/ST - 1M (3ft) (Tripp Lite N352-01M).....	55.25	
27 29 00 00-1567	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable ST/ST - 2M (6') (Tripp Lite N352-02M).....	58.50	
27 29 00 00-1568	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl ST/ST - 3M (10ft) (Tripp Lite N352-03M).....	61.75	
27 29 00 00-1569	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl ST/ST - 5M (15ft) (Tripp Lite N352-05M).....	68.25	
27 29 00 00-1570	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl ST/ST - 9M (30ft) (Tripp Lite N352-09M).....	71.50	
27 29 00 00-1571	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl ST/ST - 15M (50ft) (Tripp Lite N352-15M).....	87.75	
27 29 00 00-1572	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/ST - 1M (3') (Tripp Lite N354-01M).....	61.75	
27 29 00 00-1573	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/ST - 2M (6') (Tripp Lite N354-02M).....	65.00	
27 29 00 00-1574	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/ST - 3M (10') (Tripp Lite N354-03M).....	68.25	
27 29 00 00-1575	EA			Duplex Singlemode 8.3/125 Fiber Patch Cable SC/ST - 5M (Tripp Lite N354-05M).....	74.75	
27 29 00 00-1576	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/ST - 9M (30ft) (Tripp Lite N354-09M).....	84.50	
27 29 00 00-1577	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/ST - 15M (50ft) (Tripp Lite N354-15M).....	97.50	
27 29 00 00-1578	EA			Duplex Singlemode 8.3/125 Fiber Patch Cable SC/SC - 1M (Tripp Lite N356-01M).....	68.25	
27 29 00 00-1579	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/SC - 2M (6') (Tripp Lite N356-02M).....	71.50	
27 29 00 00-1580	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/SC - 3M (10') (Tripp Lite N356-03M).....	74.75	
27 29 00 00-1581	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/SC - 5M (15ft) (Tripp Lite N356-05M).....	81.25	
27 29 00 00-1582	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/SC - 6M (20ft) (Tripp Lite N356-06M).....	81.25	
27 29 00 00-1583	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/SC - 9M (30 ft.) (Tripp Lite N356-09M).....	91.00	
27 29 00 00-1584	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/SC - 10M (Tripp Lite N356-10M).....	91.00	
27 29 00 00-1585	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/SC - 15M (50ft) (Tripp Lite N356-15M).....	104.00	
27 29 00 00-1586	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/SC - 30M (100ft) (Tripp Lite N356-30M).....	136.50	
27 29 00 00-1587	EA			Duplex Singlemode 8.3/125 Fiber Patch Cable LC/SC - 1M (Tripp Lite N366-01M).....	65.00	
27 29 00 00-1588	EA			Duplex Singlemode 8.3/125 Angle Polished Fiber Optic Patch Cable - 1m (3ft) (Tripp Lite N366-01M-AP).....	107.25	
27 29 00 00-1589	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/SC - 2M (6') (Tripp Lite N366-02M).....	65.00	
27 29 00 00-1590	EA			Duplex Singlemode Fiber Patch Cable 8.3/125 LC to SC - APC 6ft (Tripp Lite N366-02M-AP).....	112.12	
27 29 00 00-1591	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl LC/SC - 3M (10ft) (Tripp Lite N366-03M).....	68.25	
27 29 00 00-1592	EA			Duplex Singlemode 8.3/125 Angle Polished Fiber Optic Patch Cable - 3m (10ft) (Tripp Lite N366-03M-AP).....	117.00	
27 29 00 00-1593	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/SC - 5M (16') (Tripp Lite N366-05M).....	78.00	
27 29 00 00-1594	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/SC - 10M (33') (Tripp Lite N366-10M).....	87.75	
27 29 00 00-1595	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl LC/SC - 15M (50ft) (Tripp Lite N366-15M).....	97.50	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 29 00 00-1596	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/SC - 25M (80') (Tripp Lite N366-25M) .....	113.75	
27 29 00 00-1597	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 1M (3') (Tripp Lite N368-01M) .....	104.00	
27 29 00 00-1598	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 2M (6') (Tripp Lite N368-02M) .....	107.25	
27 29 00 00-1599	EA	3M Duplex Singlemode 8.3/125 Patch Cable LC/ST 10ft (Tripp Lite N368-03M) .....	110.50	
27 29 00 00-1600	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 5M (15') (Tripp Lite N368-05M) .....	113.75	
27 29 00 00-1601	EA	Duplex Singlemode 8.3/125 Fiber Optic Plenum Rated Patch Cable LC/ST - 5m (16ft) (Tripp Lite N368-05M-P) .....	195.00	
27 29 00 00-1602	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 7M (23') (Tripp Lite N368-07M) .....	117.00	
27 29 00 00-1603	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 10M (33') (Tripp Lite N368-10M) .....	123.50	
27 29 00 00-1604	EA	15M Duplex Singlemode 8.3/125 Patch Cable LC/ST 50ft (Tripp Lite N368-15M) .....	136.50	
27 29 00 00-1605	EA	20M Duplex Singlemode 8.3/125 Patch Cable LC/ST 66ft (Tripp Lite N368-20M) .....	146.25	
27 29 00 00-1606	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 30M (100') (Tripp Lite N368-30M) .....	162.50	
27 29 00 00-1607	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl LC/LC - 1M (3ft) (Tripp Lite N370-01M) .....	94.25	
27 29 00 00-1608	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/LC - 2M (6') (Tripp Lite N370-02M) .....	97.50	
27 29 00 00-1609	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl LC/LC - 3M (10ft) (Tripp Lite N370-03M) .....	100.75	
27 29 00 00-1610	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/LC - 5M (16') (Tripp Lite N370-05M) .....	107.25	
27 29 00 00-1611	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl LC/LC - 10M (30ft - 33ft) (Tripp Lite N370-10M) .....	113.75	
27 29 00 00-1612	EA	15 Meter Duplex Singlemode Fiber Patch Cable 8.3/125 LC/LC 50ft (Tripp Lite N370-15M) .....	120.25	
27 29 00 00-1613	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/FC - 2M (6') (Tripp Lite N378-02M) .....	97.50	
27 29 00 00-1614	EA	Fiber Optic Mode Conditioning patch cable ST-SC - 3M (Tripp Lite N420-03M) .....	276.24	
27 29 00 00-1615	EA	Fiber Optic Mode Conditioning Patch Cable ST-LC - 1M (3') (Tripp Lite N422-01M) .....	324.99	
27 29 00 00-1616	EA	Fiber Optic Mode Conditioning Patch Cable ST-LC - 2M (6') (Tripp Lite N422-02M) .....	357.49	
27 29 00 00-1617	EA	Fiber Optic Mode Conditioning Patch Cable ST-LC - 3M (10') (Tripp Lite N422-03M) .....	389.99	
27 29 00 00-1618	EA	Fiber Optic Mode Conditioning Patch Cable ST-LC - 10M (33') (Tripp Lite N422-10M) .....	422.49	
27 29 00 00-1619	EA	Fiber Optic Mode Conditioning Patch Cable SC-LC - 1M (3') (Tripp Lite N424-01M) .....	292.49	
27 29 00 00-1620	EA	Fiber Optic Mode Conditioning Patch Cable SC-LC - 4M (13') (Tripp Lite N424-04M) .....	324.99	
27 29 00 00-1621	EA	Fiber Optic Mode Conditioning Patch Cable SC-LC - 5M (16') (Tripp Lite N424-05M) .....	357.49	
27 29 00 00-1622	EA	Fiber Optic Mode Conditioning Patch Cable SC-SC - 2M (6') (Tripp Lite N426-02M) .....	227.49	
27 29 00 00-1623	EA	Fiber Optic Mode Conditioning Patch Cable SC-SC - 3M (10') (Tripp Lite N426-03M) .....	243.74	
27 29 00 00-1624	EA	Fiber Optic Mode Conditioning Patch Cable SC-SC - 5M (16') (Tripp Lite N426-05M) .....	276.24	
27 29 00 00-1625	EA	Duplex Multimode Fiber Coupler, SC/SC (Tripp Lite N452-000) .....	26.00	
27 29 00 00-1626	EA	Duplex Multimode Fiber Coupler, LC/LC (Tripp Lite N455-000) .....	26.00	
27 29 00 00-1627	EA	Dual Duplex Multimode Fiber Optic Coupler LC/LC (Tripp Lite N455-000-PM) .....	26.00	
27 29 00 00-1628	EA	Duplex Singlemode Fiber Coupler, LC/LC (Tripp Lite N455-000-S) .....	39.00	
27 29 00 00-1629	EA	Dual Duplex Singlemode Fiber Optic Coupler LC/LC (Tripp Lite N455-000-S-PM) .....	39.00	
27 29 00 00-1630	EA	Duplex Multimode Fiber Coupler, SC/ST (Tripp Lite N456-000) .....	26.00	
27 29 00 00-1631	EA	Duplex Multimode 50/125 Fiber Adapter, LC-M/ST-F, 1' (Tripp Lite N457-001-50) .....	65.00	
27 29 00 00-1632	EA	Duplex Multimode 62.5/125 Fiber Adapter, LC-M/ST-F, 1' (Tripp Lite N457-001-62) .....	71.50	
27 29 00 00-1633	EA	Duplex Multimode 50/125 Fiber Adapter, LC-M/SC-F, 1' (Tripp Lite N458-001-50) .....	71.50	
27 29 00 00-1634	EA	Duplex Multimode 62.5/125 Fiber Adapter, LC-M/SC-F, 1' (Tripp Lite N458-001-62) .....	71.50	
27 29 00 00-1635	EA	1ft Duplex SMF 8.3/125 Adapter LC-Male/SC-Female 1' (Tripp Lite N458-001-9) .....	84.50	
27 29 00 00-1636	EA	Fiber Patch Panel, 1U, LC/LC - 16 Port (Tripp Lite N490-016-LCLC) .....	454.99	
27 29 00 00-1637	EA	Fiber Patch Panel, 1U, MTRJ/MTRJ - 16 Port (Tripp Lite N490-016-MTRJ) .....	389.99	
27 29 00 00-1638	EA	Fiber Patch Panel, 1U, SC/SC - 16 Port (Tripp Lite N490-016-SCSC) .....	454.99	
27 29 00 00-1639	EA	Fiber Patch Panel, 1U, ST/SC - 16 Port (Tripp Lite N490-016-STSC) .....	389.99	
27 29 00 00-1640	EA	Fiber Patch Panel, 1U, ST/ST - 16 Port (Tripp Lite N490-016-STST) .....	454.99	
27 29 00 00-1641	EA	Duplex Multimode 50/125 Fiber Patch Cbl SC/ST - 2M (6ft - 7ft) (Tripp Lite N504-02M) .....	45.50	
27 29 00 00-1642	EA	5M Duplex MMF 50/125 Patch Cable (SC/ST) 16ft (Tripp Lite N504-05M) .....	58.50	
27 29 00 00-1643	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 1M (3') (Tripp Lite N506-01M) .....	48.75	
27 29 00 00-1644	EA	Multimode Duplex 50/125 Fiber Patch Cable SC/SC - 2M (Tripp Lite N506-02M) .....	55.25	
27 29 00 00-1645	EA	Multimode Duplex 50/125 Fibre Channel Patch Cable - SC/SC - 3M (Tripp Lite N506-03M) .....	58.50	
27 29 00 00-1646	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 5M (16') (Tripp Lite N506-05M) .....	65.00	
27 29 00 00-1647	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 9M (30') (Tripp Lite N506-09M) .....	74.75	
27 29 00 00-1648	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 10M (33') (Tripp Lite N506-10M) .....	78.00	
27 29 00 00-1649	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 15M (16') (Tripp Lite N506-15M) .....	94.25	
27 29 00 00-1650	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 30M (98') (Tripp Lite N506-30M) .....	139.75	
27 29 00 00-1651	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 50M (164') (Tripp Lite N506-50M) .....	211.24	
27 29 00 00-1652	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable MTRJ/LC - 3M (10') (Tripp Lite N514-03M) .....	84.50	
27 29 00 00-1653	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 1M (3') (Tripp Lite N516-01M) .....	58.50	
27 29 00 00-1654	EA	Multimode Duplex 50/125 Fiber Patch Cable LC/SC - 2M (Tripp Lite N516-02M) .....	61.75	
27 29 00 00-1655	EA	Multimode Duplex 50/125 Fibre Channel Patch Cable - LC/SC - 3M (Tripp Lite N516-03M) .....	65.00	
27 29 00 00-1656	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 5M (16') (Tripp Lite N516-05M) .....	71.50	
27 29 00 00-1657	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 10M (33') (Tripp Lite N516-10M) .....	91.00	
27 29 00 00-1658	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 15M (16') (Tripp Lite N516-15M) .....	104.00	
27 29 00 00-1659	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 20M (65') (Tripp Lite N516-20M) .....	120.25	
27 29 00 00-1660	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 30M (98') (Tripp Lite N516-30M) .....	149.50	
27 29 00 00-1661	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 50M (164') (Tripp Lite N516-50M) .....	217.74	
27 29 00 00-1662	EA	Duplex Multimode 50/125 Fiber Patch Cbl LC/ST - 1M (3ft) (Tripp Lite N518-01M) .....	65.00	
27 29 00 00-1663	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/ST - 2M (6') (Tripp Lite N518-02M) .....	68.25	
27 29 00 00-1664	EA	Duplex Multimode 50/125 Fiber Patch Cbl LC/ST - 3M (10ft) (Tripp Lite N518-03M) .....	71.50	
27 29 00 00-1665	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/ST - 5M (16') (Tripp Lite N518-05M) .....	74.75	
27 29 00 00-1666	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/ST - 10M (33') (Tripp Lite N518-10M) .....	94.25	
27 29 00 00-1667	EA	Duplex Multimode 50/125 Fiber Patch Cbl LC/ST - 20M (65ft) (Tripp Lite N518-20M) .....	123.50	
27 29 00 00-1668	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 1M (3') (Tripp Lite N520-01M) .....	74.75	
27 29 00 00-1669	EA	Multimode Duplex 50/125 Fiber Patch Cable LC/LC - 2M (Tripp Lite N520-02M) .....	78.00	
27 29 00 00-1670	EA	Multimode Duplex 50/125 Fibre Channel Patch Cable - LC/LC - 3M (Tripp Lite N520-03M) .....	81.25	
27 29 00 00-1671	EA	Multimode Duplex 50/125 Fiber Patch Cbl LC/LC - 4M (Tripp Lite N520-04M) .....	81.25	
27 29 00 00-1672	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 5M (16') (Tripp Lite N520-05M) .....	91.00	
27 29 00 00-1673	EA	6 Meter Duplex Multimode Patch Cable 50/125 LC/LC 20ft (Tripp Lite N520-06M) .....	94.25	
27 29 00 00-1674	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 7M (23') (Tripp Lite N520-07M) .....	97.50	
27 29 00 00-1675	EA	8 Meter Duplex Multimode Fiber Patch Cable 50/125 LC/LC 8M (Tripp Lite N520-08M) .....	100.75	
27 29 00 00-1676	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 100M (330') (Tripp Lite N520-100M) .....	422.49	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1677	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 10M (33') (Tripp Lite N520-10M).....	107.25	
27 29 00 00-1678	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 10M (39 ft.) (Tripp Lite N520-12M).....	113.75	
27 29 00 00-1679	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 152M (500') (Tripp Lite N520-152M).....	812.48	
27 29 00 00-1680	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 15M (16') (Tripp Lite N520-15M).....	130.00	
27 29 00 00-1681	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 20M (65') (Tripp Lite N520-20M).....	146.25	
27 29 00 00-1682	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 25M (16') (Tripp Lite N520-25M).....	162.50	
27 29 00 00-1683	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 30M (98') (Tripp Lite N520-30M).....	178.75	
27 29 00 00-1684	EA		30M Duplex MMF 50/125 Plenum Patch Cable LC/LC 100ft (Tripp Lite N520-30M-P).....	415.99	
27 29 00 00-1685	EA		35M Duplex MMF 50/125 Patch Cable 115' LC/LC 115ft (Tripp Lite N520-35M).....	195.00	
27 29 00 00-1686	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 50M (164') (Tripp Lite N520-50M).....	243.74	
27 29 00 00-1687	EA		5m Duplex Multimode 50/125 Fiber Patch Cable MTP/MTP (Tripp Lite N546-05M).....	438.74	
27 29 00 00-1688	EA		10m Duplex Multimode 50/125 Fiber Patch Cable MTP/MTP (Tripp Lite N546-10M).....	519.99	
27 29 00 00-1689	EA		15m Duplex Multimode 50/125 Fiber Patch Cable MTP/MTP (Tripp Lite N546-15M).....	584.99	
27 29 00 00-1690	EA		20m Duplex Multimode 50/125 Fiber Patch Cable MTP/MTP (Tripp Lite N546-20M).....	649.98	
27 29 00 00-1691	EA		30m Duplex Multimode 50/125 Fiber Patch Cable MTP/MTP (Tripp Lite N546-30M).....	747.48	
27 29 00 00-1692	EA		50m Duplex Multimode 50/125 Fiber Patch Cable MTP/MTP (Tripp Lite N546-50M).....	1,072.47	
27 29 00 00-1693	EA		1000ft Bulk Duplex Multimode 62.5/125 Fiber Patch Cable Orange (Tripp Lite N549-01K).....	747.48	
27 29 00 00-1694	EA		External Multimode Media Converter 10/100 FX/TX SC/RJ45, 2km, 1300nm (Tripp Lite N784-001-SC).....	243.74	
27 29 00 00-1695	EA		External Multimode Media Converter 10/100 FX/TX ST/RJ45, 2km, 1300nm (Tripp Lite N784-001-ST).....	243.74	
27 29 00 00-1696	EA		External Multimode Media Converter 10/100/1000 FX/TX SC/RJ45, 2km, 1300nm (Tripp Lite N785-001-SC).....	471.24	
27 29 00 00-1697	EA		10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl SC/SC - 1M (3ft) (Tripp Lite N806-01M).....	61.75	
27 29 00 00-1698	EA		10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl SC/SC - 2M (6ft - 7ft) (Tripp Lite N806-02M).....	68.25	
27 29 00 00-1699	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable SC/SC - 3M (Tripp Lite N806-03M).....	74.75	
27 29 00 00-1700	EA		10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl SC/SC - 5M (15ft) (Tripp Lite N806-05M).....	84.50	
27 29 00 00-1701	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable SC/SC - 10M (33') (Tripp Lite N806-10M).....	117.00	
27 29 00 00-1702	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable SC/SC - 15M (16') (Tripp Lite N806-15M).....	159.25	
27 29 00 00-1703	EA		10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl LC/SC - 1M (3ft) (Tripp Lite N816-01M).....	81.25	
27 29 00 00-1704	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/SC - 2M (6') (Tripp Lite N816-02M).....	87.75	
27 29 00 00-1705	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/SC - 3M (Tripp Lite N816-03M).....	94.25	
27 29 00 00-1706	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/SC - 5M (16') (Tripp Lite N816-05M).....	107.25	
27 29 00 00-1707	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/SC - 10M (33') (Tripp Lite N816-10M).....	143.00	
27 29 00 00-1708	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/SC - 15M (16') (Tripp Lite N816-15M).....	185.25	
27 29 00 00-1709	EA		10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl LC/ST - 1M (3ft) (Tripp Lite N818-01M).....	87.75	
27 29 00 00-1710	EA		10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl LC/ST - 2M (6ft - 7ft) (Tripp Lite N818-02M).....	97.50	
27 29 00 00-1711	EA		10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl LC/ST - 3M (10ft) (Tripp Lite N818-03M).....	104.00	
27 29 00 00-1712	EA		10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl LC/ST - 5M (15ft) (Tripp Lite N818-05M).....	120.25	
27 29 00 00-1713	EA		10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl LC/ST - 10M (30ft - 33ft) (Tripp Lite N818-10M).....	156.00	
27 29 00 00-1714	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/LC - 1M (3') (Tripp Lite N820-01M).....	84.50	
27 29 00 00-1715	EA		1M 40/100Gb MMF 50/125 OM4 LSZH Patch Cable LC/LC Aqua 3' (Tripp Lite N820-01M-OM4).....	110.50	
27 29 00 00-1716	EA		10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl LC/LC - 2M (6ft - 7ft) (Tripp Lite N820-02M).....	91.00	
27 29 00 00-1717	EA		2M 40/100Gb MMF 50/125 OM4 LSZH Patch Cable LC/LC Aqua 6' (Tripp Lite N820-02M-OM4).....	123.50	
27 29 00 00-1718	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/LC - 3M (Tripp Lite N820-03M).....	97.50	
27 29 00 00-1719	EA		3M 40/100Gb MMF 50/125 OM4 LSZH Patch Cable LC/LC Aqua 10' (Tripp Lite N820-03M-OM4).....	139.75	
27 29 00 00-1720	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/LC - 5M (16') (Tripp Lite N820-05M).....	107.25	
27 29 00 00-1721	EA		5M 40/100Gb MMF 50/125 OM4 LSZH Patch Cable LC/LC Aqua 16' (Tripp Lite N820-05M-OM4).....	165.75	
27 29 00 00-1722	EA		6M 10Gb Duplex MMF OM3 50/125 LSZH Patch Cable LC/LC Aqua 20ft (Tripp Lite N820-06M).....	110.50	
27 29 00 00-1723	EA		7M 10Gb Duplex MMF OM3 50/125 LSZH Patch Cable LC/LC Aqua 23ft (Tripp Lite N820-07M).....	113.75	
27 29 00 00-1724	EA		8M 10Gb Duplex Fiber OM3 50/125 LSZH Patch Cable LC/LC Aqua 26ft (Tripp Lite N820-08M).....	120.25	
27 29 00 00-1725	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/LC - 10M (33') (Tripp Lite N820-10M).....	130.00	
27 29 00 00-1726	EA		10M 40/100Gb MMF 50/125 OM4 LSZH Patch Cable LC/LC Aqua 33' (Tripp Lite N820-10M-OM4).....	240.49	
27 29 00 00-1727	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/LC - 15M (16') (Tripp Lite N820-15M).....	169.00	
27 29 00 00-1728	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/LC - 20M (65') (Tripp Lite N820-20M).....	201.50	
27 29 00 00-1729	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/LC - 25M (80') (Tripp Lite N820-25M).....	227.49	
27 29 00 00-1730	EA		30M 10Gb Duplex Fiber OM3 50/125 LSZH Patch Cable LC/LC Aqua 100ft (Tripp Lite N820-30M).....	253.49	
27 29 00 00-1731	EA		35M 10Gb Duplex Fiber OM3 50/125 LSZH Patch Cable LC/LC Aqua 115ft (Tripp Lite N820-35M).....	292.49	
27 29 00 00-1732	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/LC - 50M (165') (Tripp Lite N820-50M).....	357.49	
27 29 00 00-1733	EA		1M 10G Duplex MMF 50/125 OM3 Fiber Cable Mini-LC / LC Aqua 3' (Tripp Lite N836-01M).....	84.50	
27 29 00 00-1734	EA		2M 10G Duplex MMF 50/125 OM3 Fiber Cable Mini-LC / LC Aqua 6' (Tripp Lite N836-02M).....	91.00	
27 29 00 00-1735	EA		3M 10G Duplex MMF 50/125 OM3 Fiber Cable Mini-LC / LC Aqua 10' (Tripp Lite N836-03M).....	97.50	
27 29 00 00-1736	EA		5M 10G Duplex MMF 50/125 OM3 Fiber Cable Mini-LC / LC Aqua 16' (Tripp Lite N836-05M).....	107.25	
27 29 00 00-1737	EA		10M 10G Duplex MMF 50/125 OM3 Fiber Cable Mini-LC / LC Aqua 33' (Tripp Lite N836-10M).....	130.00	
27 29 00 00-1738	EA		1M 10G Duplex MMF 50/125 OM3 Fiber Cable Mini-LC Mini-LC Aqua 3' (Tripp Lite N838-01M).....	84.50	
27 29 00 00-1739	EA		2M 10G Duplex MMF 50/125 OM3 Fiber Cable Mini-LC Mini-LC Aqua 6' (Tripp Lite N838-02M).....	91.00	
27 29 00 00-1740	EA		3M 10G Dup MMF 50/125 OM3 Fiber Cable Mini-LC Mini-LC Aqua 10' (Tripp Lite N838-03M).....	97.50	
27 29 00 00-1741	EA		5M 10G Dup MMF 50/125 OM3 Fiber Cable Mini-LC Mini-LC Aqua 16' (Tripp Lite N838-05M).....	107.25	
27 29 00 00-1742	EA		10M 10G Dup MMF 50/125 OM3 Fiber Cable Mini-LC Mini-LC Aqua 33' (Tripp Lite N838-10M).....	130.00	
27 29 00 00-1743	EA		10M MTP / MPO Patch Cable 12 Fiber 40GbE Aqua OM3 Plenum 33ft (Tripp Lite N844-01M-12-P).....	487.49	
27 29 00 00-1744	EA		2M MTP / MPO Patch Cable 12 Fiber 40GbE Aqua OM3 Plenum 6ft (Tripp Lite N844-02M-12-P).....	519.99	
27 29 00 00-1745	EA		2M Fan-out Cable MTP / MPO to 8 x LC 40GbE OM3 Plenum 6ft (Tripp Lite N844-02M-8LC-P).....	519.99	
27 29 00 00-1746	EA		3M MTP / MPO Patch Cable 12 Fiber 40GbE Aqua OM3 Plenum 10ft (Tripp Lite N844-03M-12-P).....	552.49	
27 29 00 00-1747	EA		3M Fan-out Cable MTP / MPO to 8 x LC 40GbE OM3 Plenum 10ft (Tripp Lite N844-03M-8LC-P).....	552.49	
27 29 00 00-1748	EA		5M MTP / MPO Patch Cable 12 Fiber 40GbE Aqua OM3 Plenum 16ft (Tripp Lite N844-05M-12-P).....	617.48	
27 29 00 00-1749	EA		5M Fan-out Cable MTP / MPO to 8 x LC 40GbE OM3 Plenum 16ft (Tripp Lite N844-05M-8LC-P).....	617.48	
27 29 00 00-1750	EA		10M MTP / MPO Patch Cable 12 Fiber 40GbE Aqua OM3 Plenum 33ft (Tripp Lite N844-10M-12-P).....	779.98	
27 29 00 00-1751	EA		1M MTP / MPO Patch Cable 24 Fiber 100GbE Aqua OM3 Plenum 3ft (Tripp Lite N846-01M-24-P).....	877.48	
27 29 00 00-1752	EA		2M MTP / MPO Patch Cable 24 Fiber 100GbE Aqua OM3 Plenum 6ft (Tripp Lite N846-02M-24-P).....	942.48	
27 29 00 00-1753	EA		5M MTP / MPO Patch Cable 24 Fiber 100GbE Aqua OM3 Plenum 16ft (Tripp Lite N846-05M-24-P).....	1,104.97	
27 29 00 00-1754	EA		10M MTP / MPO Patch Cable 24 Fiber 100GbE Aqua OM3 Plenum 33ft (Tripp Lite N846-10M-24-P).....	1,429.96	
27 29 00 00-1755	EA		Messenger Notebook Brief. Includes removable cell phone case. (Tripp Lite NB1000GY).....	102.37	
27 29 00 00-1756	EA		Profile Notebook Brief. (Tripp Lite NB1001BK).....	138.12	
27 29 00 00-1757	EA		Slim-Line Professional Brief. (Tripp Lite NB1002OL).....	188.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1758	EA		Traditional Notebook Case. (Tripp Lite NB1003BK).....	188.50	
27 29 00 00-1759	EA		Executive Notebook Case. (Tripp Lite NB1004BK).....	276.24	
27 29 00 00-1760	EA		Corporate Top-Load Notebook Case. (Tripp Lite NB1005BK).....	311.99	
27 29 00 00-1761	EA		Messenger Notebook Bag. (Tripp Lite NB1094GY).....	175.50	
27 29 00 00-1762	EA		Notebook Cooling Pad. Includes two built-in cooling pads. (Tripp Lite NC2003SR).....	73.12	
27 29 00 00-1763	EA		Articulating Notebook Arm. Adjustable to accommodate any position. (Tripp Lite NS2002BK).....	191.75	
27 29 00 00-1764	EA		1050VA UPS System OmniSmart Tower Line-Interactive 120V 6 Outlet - 1050 VA, 1 USB, AVR LED (Tripp Lite OMNI SMT1050PNP).....	921.35	
27 29 00 00-1765	EA		1400VA UPS System OmniSmart Tower Line-Interactive 120V 6 Outlet - 1400 VA, 1 USB, AVR LED (Tripp Lite OMNI SMT1400PNP).....	1,305.25	
27 29 00 00-1766	EA		300VA UPS System OmniSmart Tower Line-Interactive 120V 3 Outlet - 300 VA, 1 USB, Modem/Fax Protection (Tripp Lite OMNI SMT300PNP).....	387.55	
27 29 00 00-1767	EA		500VA UPS System OmniSmart Tower Line-Interactive 120V 6 Outlet - 500 VA, 1 USB, Modem/Fax Protection (Tripp Lite OMNI SMT500PNP).....	552.08	
27 29 00 00-1768	EA		700VA UPS System OmniSmart Tower Line-Interactive 120V 6 Outlet - 700 VA, 1 USB, Modem/Fax/Ethernet Protection (Tripp Lite OMNI SMT700PNP).....	727.58	
27 29 00 00-1769	EA		1000VA UPS System OMNI Full Line Isolation Towers AVR Line-Interactive 120V 6 Outlet - 1000 VA, 1 USB (Tripp Lite OMNI1000ISO).....	1,276.00	
27 29 00 00-1770	EA		1500VA UPS Omni Smart LCD USB RJ45 120V 5-15R 8 Outlet 2U RM (Tripp Lite OMNI1500LCD).....	654.45	
27 29 00 00-1771	EA		1500VA NAFTA Omni Ext Run Line-Int UPS Tower 8 outlets (Tripp Lite OMNI1500XLNAFTA).....	957.91	
27 29 00 00-1772	EA		300VA NAFTA Omni Smart Line-Int UPS Tower 3 outlets (Tripp Lite OMNI300NAFTA).....	420.46	
27 29 00 00-1773	EA		500VA UPS System OMNI Full Line Isolation Towers AVR Line-Interactive 120V 6 Outlet - 500 VA, 1 USB (Tripp Lite OMNI500ISO).....	665.42	
27 29 00 00-1774	EA		650VA UPS System OmniSmart Rack/Shelf/Tower Digital LCD Line-Interactive 120V 8 Outlet - 650 VA, 1 USB (Tripp Lite OMNI650LCD).....	383.90	
27 29 00 00-1775	EA		750VA UPS System OMNI Full Line Isolation Towers AVR Line-Interactive 120V 6 Outlet - 750 VA, 1 USB (Tripp Lite OMNI750ISO).....	1,126.10	
27 29 00 00-1776	EA		900VA UPS System OmniSmart Rack/Shelf/Tower Digital LCD Line-Interactive 120V 8 Outlet - 900 VA, 1 USB (Tripp Lite OMNI900LCD).....	420.46	
27 29 00 00-1777	EA		330VA UPS System OmniSmart Hospital Grade Tower Line-Interactive 120V 4 Outlet - 330 VAUL 60601-1 Listed, 1 Basic Comm Port, 2 Line Modem/Fax Protection (Tripp Lite OMNISMART350HG).....	1,198.41	
27 29 00 00-1778	EA		1000VA UPS System OmniVS Tower Line-Interactive 120V 8 Outlet - 1000 VA, 1 USB, Modem/Fax Protection (Tripp Lite OMNIVS1000).....	446.05	
27 29 00 00-1779	EA		1500VA UPS System OmniVS Tower Line-Interactive 120V 8 Outlet - 1500 VA, 1 USB, Modem/Fax/Ethernet Protection (Tripp Lite OMNIVS1500).....	665.42	
27 29 00 00-1780	EA		1500VA UPS System OmniVS Tower Extended Run Line-Interactive 120 Volt 8 Outlet - 1500 VA 1 USB, Modem/Fax/Ethernet Protection (Tripp Lite OMNIVS1500XL).....	738.54	
			Note: Use BP24V14 or BP24V34 for Extended Run		
27 29 00 00-1781	EA		TAA Compliant 1500VA UPS Omni VS Tower Ext Run 8 outlets (Tripp Lite OMNIVS1500XLTA).....	822.64	
27 29 00 00-1782	EA		800VA UPS System OmniVS Tower Line-Interactive 120V 7 Outlet - 800 VA, 1 USB, Modem/Fax Protection (Tripp Lite OMNIVS800).....	416.80	
27 29 00 00-1783	EA		1000VA International UPS System OmniSmart Tower VS Line-Interactive 230V 6 Outlet - 1000 VA 1 USB, Modem/Fax Protection (Tripp Lite OMNIVSINT1000).....	783.43	
27 29 00 00-1784	EA		1500VA International UPS System OmniSmart Tower VS Extended Run Line-Interactive 230 Volt 8 Outlet - 1500 VA 1 USB, Modem/Fax/Network Protection (Tripp Lite OMNIVSINT1500XL).....	972.54	
			Note: Use BP24V14 or BP24V34 for Extended Run		
27 29 00 00-1785	EA		800VA International UPS System OmniSmart Tower VS Line-Interactive 230V 4 Outlet - 800 VA 1 USB, Modem/Fax Protection (Tripp Lite OMNIVSINT800).....	567.31	
27 29 00 00-1786	EA		TAA Compliant 1500VA UPS Omni VS Tower Ext Run 8 outlets 230V (Tripp Lite OMNIX1500XLTA).....	1,180.94	
27 29 00 00-1787	EA		350VA Intl UPS Omni Smart Line-Interactive 230V 6 outlets Hospital Grade (Tripp Lite OMNIX350HG).....	1,198.41	
27 29 00 00-1788	EA		Power Converter Cable - PC Plug (IEC-320-C14) to AC Rec (NEMA 5-15R) - 2' (Tripp Lite P002-002).....	14.56	
27 29 00 00-1789	EA		AC Power Extension Cable, C14 to Left-Angle C13, 100-250V, 10A, 18Awg, SJT - 2 ft. (Tripp Lite P004-002-13LA).....	16.82	
27 29 00 00-1790	EA		AC Power Extension Cable, C14 to Right-Angle C13, 100-250V, 10A, 18Awg, SJT - 2 ft. (Tripp Lite P004-002-13RA).....	16.82	
27 29 00 00-1791	EA		AC Power Cable (IEC-320-C14 - IEC-320-C13) - 2' (Tripp Lite P004-002-5).....	112.06	
27 29 00 00-1792	EA		AC Power Extension Cable, C14 to C13, 100-250V, 10A, 18Awg, SJT - 4 ft. (Tripp Lite P004-004).....	16.53	
27 29 00 00-1793	EA		4ft 18 AWG Power Cord C14 to C13 with Blue Connectors (Tripp Lite P004-004-BL).....	17.37	
27 29 00 00-1794	EA		4ft 18AWG Power Cord C14 to C13 Green Connectors 4' (Tripp Lite P004-004-GN).....	17.37	
27 29 00 00-1795	EA		4ft 18AWG Power Cord C14 to C13 Red Connectors 4' (Tripp Lite P004-004-RD).....	17.37	
27 29 00 00-1796	EA		4ft 18AWG Power Cord C14 to C13 Yellow Connectors 4' (Tripp Lite P004-004-YW).....	17.37	
27 29 00 00-1797	EA		AC Power Extension Cable - PC Style Plugs (IEC-320-C14 to IEC-320-C13) - 6' (Tripp Lite P004-006).....	17.37	
27 29 00 00-1798	EA		AC Power Extension/Splitter Cable, C14 to (x2) C13, 100-250V, 10A, 18Awg, SJT - 6 ft. (Tripp Lite P004-006-2C13).....	44.83	
27 29 00 00-1799	EA		10ft 18AWG Power Cord SJT 10A 100V - 250V C14 to C13 10' (Tripp Lite P004-010).....	33.62	
27 29 00 00-1800	EA		AC Power Cord, C13/C14, 100-230V,15A,14Awg SJT - 2' (Tripp Lite P005-002).....	39.22	
27 29 00 00-1801	EA		AC Power Cord, C13/C14, 100-230V,15A,14Awg SJT - 6' (Tripp Lite P005-006).....	61.63	
27 29 00 00-1802	EA		6ft Heavy Duty 14 AWG Power Cord C13 to C14 Blue Connectors (Tripp Lite P005-006-BL).....	61.63	
27 29 00 00-1803	EA		6ft 14AWG Power Cord Heavy Duty C13 to C14 Green Connectors 6' (Tripp Lite P005-006-GN).....	61.63	
27 29 00 00-1804	EA		6ft 14AWG Power Cord Heavy Duty C13 to C14 Red Connectors 6' (Tripp Lite P005-006-RD).....	61.63	
27 29 00 00-1805	EA		6ft 14AWG Power Cord Heavy Duty C13 to C14 Yellow Connectors 6' (Tripp Lite P005-006-YW).....	61.63	
27 29 00 00-1806	EA		AC Cord, C13 to C14, 15A, 14Awg - 10' (Tripp Lite P005-010).....	84.05	
27 29 00 00-1807	EA		1ft 14AWG Power Cord Heavy Duty C13 to C14 12" (Tripp Lite P005-12N).....	28.01	
27 29 00 00-1808	EA		18in 14AWG Power Cord Heavy Duty C13 to C14 18" (Tripp Lite P005-18N).....	33.62	
27 29 00 00-1809	EA		AC Power Cable, C13 to 5-15P, 125V, 10A, 18Awg, SJT - 3 ft. (Tripp Lite P006-003).....	15.13	
27 29 00 00-1810	EA		AC Power Cable, C13 to 5-15P, 125V, 10A, 18Awg, SJT - 4 ft. (Tripp Lite P006-004).....	15.68	
27 29 00 00-1811	EA		4ft 18AWG Power Cord 5-15P to C13 with Blue Connectors (Tripp Lite P006-004-BL).....	16.25	
27 29 00 00-1812	EA		4ft 18AWG Power Cord 5-15P to C13 Green Connectors 4' (Tripp Lite P006-004-GN).....	16.25	
27 29 00 00-1813	EA		4ft 18AWG Power Cord 5-15P to C13 Red Connectors 4' (Tripp Lite P006-004-RD).....	16.25	
27 29 00 00-1814	EA		4ft 18AWG Power Cord 5-15P to C13 Yellow Connectors 4' (Tripp Lite P006-004-YW).....	16.25	
27 29 00 00-1815	EA		AC Power Repl. Cable - AC Plug (NEMA 5-15P) to PC Style Rec (IEC-320-C13) - 6' (Tripp Lite P006-006).....	17.37	
27 29 00 00-1816	EA		AC Power Cord, Left-Angle C13 to 5-15P, 125V, 10A, 18Awg, SJT - 6 ft. (Tripp Lite P006-006-13LA).....	22.40	
27 29 00 00-1817	EA		AC Power Cord, Right-Angle C13 to 5-15P, 125V, 10A, 18Awg, SJT - 6 ft. (Tripp Lite P006-006-13RA).....	22.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1818	EA		AC Power Splitter Cable, 5-15P to (x2) C13 - 6 ft. (Tripp Lite P006-006-2).....	50.43	
27 29 00 00-1819	EA		6ft Piggyback Power Cord 5-15P/R to C13 6' (Tripp Lite P006-006-515MF).....	28.01	
27 29 00 00-1820	EA		10ft 18AWG Power Cord NEMA 5-15P to IEC-320-C13 10' (Tripp Lite P006-010).....	33.62	
27 29 00 00-1821	EA		AC Power Cord, C13/5-15P, 125V,15A,14Awg SJT - 2' (Tripp Lite P007-002).....	33.62	
27 29 00 00-1822	EA		AC Power Cord, C13/5-15P, 125V,15A,14Awg SJT - 6' (Tripp Lite P007-006).....	50.43	
27 29 00 00-1823	EA		AC Cord, C13 to 5-15P, 15A, 14Awg - 10' (Tripp Lite P007-010).....	72.84	
27 29 00 00-1824	EA		AC Power Repl. Cable - AC Plug (NEMA 5-15P) to PC Style Rec (IEC-320-C13) - 12' (Tripp Lite P010-012).....	31.93	
27 29 00 00-1825	EA		AC Power Cord, L6-20P to C13, 250V, 15A, 14Awg, SJTW - 6' (Tripp Lite P011-006).....	72.84	
27 29 00 00-1826	EA		Notebook Power Adapter Cable (NEMA 1-15P to IEC-320-C7) - 6' (Tripp Lite P012-006).....	16.82	
27 29 00 00-1827	EA		6ft 18AWG Power Cord NEMA 5-15P to C5 6' (Tripp Lite P013-006).....	39.22	
27 29 00 00-1828	EA		6ft 18AWG Power Cord (C14 to C5) 6' (Tripp Lite P014-006).....	56.04	
27 29 00 00-1829	EA		6 inch 18AWG Power Cord Adapter (C14 to C5) 6' (Tripp Lite P014-06N).....	44.83	
27 29 00 00-1830	EA		3ft 14AWG Power Cord Heavy Duty C14 to C15 3' (Tripp Lite P018-003).....	72.84	
27 29 00 00-1831	EA		6ft 14AWG Power Cord Heavy Duty C14 to C15 6' (Tripp Lite P018-006).....	95.26	
27 29 00 00-1832	EA		4ft Heavy Duty Power Cord 15A 100-250V 14AWG SJT 5-15P to C15 4' (Tripp Lite P019-004).....	84.05	
27 29 00 00-1833	EA		8ft Heavy Duty Power Cord 15A 100-250V 14AWG SJT 5-15P to C15 8' (Tripp Lite P019-008).....	112.06	
27 29 00 00-1834	EA		Power Extension / Adapter Cable (NEMA 5-15R to NEMA 5-15P) - 1 ft. (Tripp Lite P022-001).....	16.82	
27 29 00 00-1835	EA		Power Extension / Adapter Cable - (2) NEMA 5-15R to NEMA 5-15P - 1 ft. (Tripp Lite P022-001-2).....	25.21	
27 29 00 00-1836	EA		15ft 16AWG Power Extension Cord NEMA 5-15R to NEMA 5-15P 15' (Tripp Lite P022-015).....	39.22	
27 29 00 00-1837	EA		25ft 16AWG Power Extension Cord NEMA 5-15R to NEMA 5-15P 25' (Tripp Lite P022-025).....	61.63	
27 29 00 00-1838	EA		AC Power Cord, 5-15P/L5-15R, 120V, SJTW, 14AWG, 15A - 1' (Tripp Lite P023-001).....	39.22	
27 29 00 00-1839	EA		5-Pack AC Power Cords, 5-15P to C13, 125V, 10A, 18Awg, SVT - 2' (Tripp Lite P030-002-5).....	112.06	
27 29 00 00-1840	EA		AC Power Splitter Cable, C20 to (x2) C13, 100-250V, 15A, 14Awg, SJTW - 2 ft. (Tripp Lite P032-002-2C13).....	72.84	
27 29 00 00-1841	EA		AC Power Cord 10A 100-240V, 12Awg, C13/C20, - 7' (Tripp Lite P032-007).....	89.66	
27 29 00 00-1842	EA		AC Cord, C19 to 5-15P, 15A, 14Awg - 10' (Tripp Lite P034-010).....	78.44	
27 29 00 00-1843	EA		AC Cord, 250V, 16A, 12Awg, SJT - 2' (Tripp Lite P036-002).....	56.04	
27 29 00 00-1844	EA		AC Power Cord, Left-Angle C19 to C20, 100-250V, 20A, 12Awg, SJTW - 2 ft. (Tripp Lite P036-002-19LA).....	50.43	
27 29 00 00-1845	EA		AC Power Cord, Right-Angle C19 to C20, 100-250V, 20A, 12Awg, SJTW - 2 ft. (Tripp Lite P036-002-19RA).....	50.43	
27 29 00 00-1846	EA		AC Power Cord, Left-Angle C20 to C19, 100-250V, 20A, 12Awg, SJTW - 2 ft. (Tripp Lite P036-002-20LA).....	50.43	
27 29 00 00-1847	EA		AC Power Cord, Right-Angle C20 to C19, 100-250V, 20A, 12Awg, SJTW - 2 ft. (Tripp Lite P036-002-20RA).....	50.43	
27 29 00 00-1848	EA		AC Power Cord 100-230V, 12Awg - 6' (Tripp Lite P036-006).....	100.87	
27 29 00 00-1849	EA		AC Power Extension/Splitter Cable, C20 to (x2) C19, 100-250V, 20A, 12Awg, SJTW - 6 ft. (Tripp Lite P036-006-2C19).....	156.89	
27 29 00 00-1850	EA		1' AC Splitter Cable, 20A, 10Awg, SJTOW, 250V, L6-20P/2xL6-20R (Tripp Lite P039-001-2).....	392.22	
27 29 00 00-1851	EA		6ft 12AWG Heavy Duty Power Cord IEC-320-C19 to NEMA L6-20P 6' (Tripp Lite P040-006).....	84.05	
27 29 00 00-1852	EA		AC Cord, C19 to L6-20P, 20A, 12Awg - 10' (Tripp Lite P040-010).....	140.09	
27 29 00 00-1853	EA		14ft 12AWG Heavy Duty Power Cord IEC-320-C19 to NEMA L6-20P 14' (Tripp Lite P040-014).....	196.11	
27 29 00 00-1854	EA		AC Splitter Cable, 30A, 10Awg, SJT, 250V - 1' (Tripp Lite P041-001-2).....	476.28	
27 29 00 00-1855	EA		8ft 10AWG Heavy Duty Power Extension Cord L6-30P to L6-30R 8' (Tripp Lite P041-008).....	207.32	
27 29 00 00-1856	EA		AC Adapter, L5-30P/L5-20R, 20A, 10Awg, SJTW, 125V (Tripp Lite P043-002).....	392.22	
27 29 00 00-1857	EA		AC Power Adapter Cable (NEMA L5-20R - NEMA 5/20P) - 6' (Tripp Lite P044-061).....	67.23	
27 29 00 00-1858	EA		AC Cord, C19 to L5-20P, 20A, 12Awg - 10' (Tripp Lite P045-010).....	106.46	
27 29 00 00-1859	EA		6in 12AWG Hvy Dty Power Adptr Cord 100-250V 20A L5-20P to 5-20R (Tripp Lite P046-06N).....	72.84	
27 29 00 00-1860	EA		AC Power Cord, C19/C14, 100-230V,15A,14Awg SJT - 2' (Tripp Lite P047-002).....	61.63	
27 29 00 00-1861	EA		AC Power Cord, C19/C14, 100-230V,15A,14Awg SJT - 4' (Tripp Lite P047-004).....	78.44	
27 29 00 00-1862	EA		AC Power Cord, C19/C14, 100-230V,15A,14Awg SJT - 6' (Tripp Lite P047-006).....	92.46	
27 29 00 00-1863	EA		AC Cord, C19 to C14, 15A, 14Awg - 10' (Tripp Lite P047-010).....	112.06	
27 29 00 00-1864	EA		AC Cord, C19 to 5-20P, 20A, 12Awg - 10' (Tripp Lite P049-010).....	123.27	
27 29 00 00-1865	EA		AC Power Cable (International) (IEC-320-C19 - BS1363 SHUKO Plug) - 8' (Tripp Lite P050-008).....	89.66	
27 29 00 00-1866	EA		AC Power Cable (International) (IEC-320-C19 - BS1363 UK Plug) - 8' (Tripp Lite P052-008).....	95.26	
27 29 00 00-1867	EA		AC Power Cord, SCHUKO CEE7/7 to C13, 250V, 10A - 6' (Tripp Lite P054-006).....	39.22	
27 29 00 00-1868	EA		AC Power Cord, BS1363 (UK) to C13, 250V, 10A - 6' (Tripp Lite P056-006).....	44.83	
27 29 00 00-1869	EA		AC Power Cord, CEE7/7 SHUKO to C5, 250V, 2.5A - 6 ft. (Tripp Lite P058-006).....	56.04	
27 29 00 00-1870	EA		AC Power Cord, BS1363 (UK) to C5, 250V, 2.5A - 6 ft. (Tripp Lite P060-006).....	78.44	
27 29 00 00-1871	EA		10ft IEC309 to C19 Power Cord (Tripp Lite P070-010).....	224.12	
27 29 00 00-1872	EA		AT Serial Gold Adapter DB9F/25M (Tripp Lite P100-000-R).....	4.20	
27 29 00 00-1873	EA		AT-PS/2 Keyboard Adapter DIN5F/MinDIN6M (Tripp Lite P106-000).....	3.64	
27 29 00 00-1874	EA		PS/2-AT Keyboard Adapter DIN5M/MinDIN6F (Tripp Lite P108-000-R).....	5.61	
27 29 00 00-1875	EA		Combo-Mouse Serial-PS/2 Adapter MinDIN6M/DB9M (Tripp Lite P110-000-R).....	2.52	
27 29 00 00-1876	EA		Combo-Mouse Serial-PS/2 Adapter MinDIN6F/DB9F (Tripp Lite P112-000).....	5.61	
27 29 00 00-1877	EA		DVI-D M to DVI-D F Adapter (Tripp Lite P118-000).....	33.62	
27 29 00 00-1878	EA		DVI Adapter - DVI Analog Plug to HD15F (Tripp Lite P120-000).....	25.78	
27 29 00 00-1879	EA		DVI Adapter - DVI-A(M)/x2 HD15(F) (Tripp Lite P120-001-2).....	56.04	
27 29 00 00-1880	EA		DVI Adapter - DVI Digital Plug to DFP Receptacle (Tripp Lite P122-000).....	28.01	
27 29 00 00-1881	EA		DVI Adapter - DVI Analog Receptacle to HD15M (Tripp Lite P126-000).....	26.89	
27 29 00 00-1882	EA		HDMI to DVI Gold Adapter - HDMI-F to DVI M (Tripp Lite P130-000).....	50.43	
27 29 00 00-1883	EA		6 inch Micro HDMI to VGA Converter Adapter Plug And Play 1080p 6" (Tripp Lite P131-06N-MICRO).....	168.10	
27 29 00 00-1884	EA		DVI to HDMI Gold Adapter - DVI F to HDMI-M (Tripp Lite P132-000).....	50.43	
27 29 00 00-1885	EA		DisplayPort to DVI Adapter (Tripp Lite P134-000).....	103.65	
27 29 00 00-1886	EA		Displayport to VGA Adapter 6in (Tripp Lite P134-06N-VGA).....	128.88	
27 29 00 00-1887	EA		DisplayPort to HDMI Adapter (Tripp Lite P136-000).....	109.26	
27 29 00 00-1888	EA		Mini Displayport to DVI Adapter 6" TAA / GSA (Tripp Lite P137-06N-DVI).....	89.66	
27 29 00 00-1889	EA		Tripp Lite Keyspan 6 inch Mini Displayport to HDMI Adapter 6" TAA GSA (Tripp Lite P137-06N-HDMI).....	89.66	
27 29 00 00-1890	EA		Mini Displayport to VGA Adapter 6" TAA / GSA (Tripp Lite P137-06N-VGA).....	106.46	
27 29 00 00-1891	EA		Mini-DVI to DVI Adapter (Tripp Lite P138-000-DVI).....	72.84	
27 29 00 00-1892	EA		Mini-DVI to HDMI Adapter (Tripp Lite P138-000-HDMI).....	72.84	
27 29 00 00-1893	EA		Mini Displayport to Display port Adapter Mini DP M to DP Female (Tripp Lite P139-06N-DP).....	50.43	
27 29 00 00-1894	EA		HDMI Female to Mini HDMI Male Adapter Full 1080p Support (Tripp Lite P142-000-MINI).....	44.83	
27 29 00 00-1895	EA		HDMI Male to Female Swivel Adapter Up / Down (Tripp Lite P142-000-UD).....	25.21	
27 29 00 00-1896	EA		HDMI Right Angle Up Adapter / Coupler, Male to Female (Tripp Lite P142-000-UP).....	21.29	
27 29 00 00-1897	EA		Compact Gold Gender Changer DB9F/F (Tripp Lite P150-000).....	11.76	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1898	EA		Compact Gold Gender Changer DB9M/M (Tripp Lite P152-000).....	11.21	
27 29 00 00-1899	EA		Compact Gold Gender Changer DB25F/F (Tripp Lite P154-000).....	12.61	
27 29 00 00-1900	EA		Compact Gold Gender Changer DB25M/M (Tripp Lite P156-000).....	15.42	
27 29 00 00-1901	EA		Compact Gold Gender Changer HD15M/M (Tripp Lite P158-000).....	15.42	
27 29 00 00-1902	EA		Compact Gold Gender Changer HD15F/F (Tripp Lite P160-000).....	15.42	
27 29 00 00-1903	EA		Gender Changer DVI-D F/F (Tripp Lite P162-000).....	56.04	
27 29 00 00-1904	EA		Gender Changer HDMI F/F (Tripp Lite P164-000).....	33.62	
27 29 00 00-1905	EA		HDMI Keystone Snap-in Wallplate Coupler Gold Plated HDMI F/F (Tripp Lite P164-000-KJ-WH).....	33.62	
27 29 00 00-1906	EA		HDMI Right Angle Gender Changer Coupler - HDMI Female/Female (Tripp Lite P164-000-UP).....	22.40	
27 29 00 00-1907	EA		HDMI v1.3 Active Wallplate with Signal Booster (Tripp Lite P166-001-A).....	224.12	
27 29 00 00-1908	EA		HDMI v1.3 Passive Wallplate (Tripp Lite P166-001-P).....	95.26	
27 29 00 00-1909	EA		HDMI over Category 5 Wallplate Extension Kit (Tripp Lite P167-000).....	364.21	
27 29 00 00-1910	EA		Compact Displayport Gender Changer / Coupler (Display port F/F) (Tripp Lite P168-000).....	44.83	
27 29 00 00-1911	EA		PS/2 Keyboard/Mouse Extension Cable MinDIN6M/F - 6' (Tripp Lite P222-006).....	9.53	
27 29 00 00-1912	EA		PS/2 Keyboard/Mouse Extension Cable MinDIN6M/F - 10' (Tripp Lite P222-010).....	14.02	
27 29 00 00-1913	EA		PS/2 Keyboard/Mouse Extension Cable MinDIN6M/F - 15' (Tripp Lite P222-015).....	16.82	
27 29 00 00-1914	EA		PS/2 Keyboard/Mouse Extension Cable MinDIN6M/F - 25' (Tripp Lite P222-025).....	33.62	
27 29 00 00-1915	EA		PS/2 Keyboard/Mouse Extension Cable MinDIN6M/F - 50' (Tripp Lite P222-050).....	56.04	
27 29 00 00-1916	EA		PS/2 Keyboard/Mouse Y Cable MinDIN6M/2x F - 1' (Tripp Lite P230-001).....	28.01	
27 29 00 00-1917	EA		6ft Male to 3.5mm Female Mini Stereo Audio Extension Cable 6' (Tripp Lite P311-006).....	11.76	
27 29 00 00-1918	EA		10ft Male to 3.5mm Female Mini Stereo Audio Extension Cable 10' (Tripp Lite P311-010).....	14.56	
27 29 00 00-1919	EA		25ft Male to 3.5mm Female Mini Stereo Audio Extension Cable 25' (Tripp Lite P311-025).....	26.34	
27 29 00 00-1920	EA		Mini Stereo Dubbing Cord 3.5mm M/M - 6' (Tripp Lite P312-006).....	11.21	
27 29 00 00-1921	EA		Mini Stereo Dubbing Cord 3.5mm M/M - 10' (Tripp Lite P312-010).....	13.45	
27 29 00 00-1922	EA		Mini Stereo Dubbing Cord 3.5mm M/M - 25' (Tripp Lite P312-025).....	25.21	
27 29 00 00-1923	EA		Mini Stereo Dubbing Cord 3.5mm M/M - 50' (Tripp Lite P312-050).....	39.22	
27 29 00 00-1924	EA		Mini Stereo Dubbing Cord Y Adapter 3.5mm M to (2) 3.5mm F - 1' (Tripp Lite P313-001).....	22.40	
27 29 00 00-1925	EA		Audio Cable Y Adapter 3.5mm - M/2xRCA-M - 6' (Tripp Lite P314-006).....	10.10	
27 29 00 00-1926	EA		Audio Cable Y Adapter 3.5mm - M/2xRCA-M - 12' (Tripp Lite P314-012).....	12.33	
27 29 00 00-1927	EA		Audio Cable Y Adapter 3.5mm M to (x2) RCA F - 6 ft. (Tripp Lite P315-006).....	9.81	
27 29 00 00-1928	EA		10-Pack of 10" Hook and Loop Cable Ties (Tripp Lite P350-10N-10).....	16.82	
27 29 00 00-1929	EA		Serial Modem Gold Cable DB25F/M - 6' (Tripp Lite P402-006-R).....	3.92	
27 29 00 00-1930	EA		AT Serial Modem Gold Cable DB9F/25M - 6' (Tripp Lite P404-006).....	13.16	
27 29 00 00-1931	EA		Fax/Modem Silver Flat Patch Cable RJ11M/M - 7' (Tripp Lite P410-007-SR).....	5.61	
27 29 00 00-1932	EA		RJ11 In-Line Coupler RJ11F/F (Tripp Lite P420-001).....	4.49	
27 29 00 00-1933	EA		Null Modem Adapter Kit - RJ45 F to DB9 F - 2pk (Tripp Lite P450-000).....	56.04	
27 29 00 00-1934	EA		Null Modem Gold Cable DB9F/F - 6' (Tripp Lite P450-006).....	15.68	
27 29 00 00-1935	EA		Null Modem Gold Cable DB9F/F - 10 ft. (Tripp Lite P450-010).....	18.48	
27 29 00 00-1936	EA		Null Modem Gold Cable DB9M/F - 6' (Tripp Lite P454-006).....	16.82	
27 29 00 00-1937	EA		Null Modem Gold Cable DB9F/25M - 6' (Tripp Lite P456-006).....	19.05	
27 29 00 00-1938	EA		SVGA Mon Ext Cbl w RGB coax HD15 (M/F) - 6' (Tripp Lite P500-006).....	29.13	
27 29 00 00-1939	EA		SVGA Monitor Extension Gold Cable w RGB coax HD15M/F - 10' (Tripp Lite P500-010).....	52.67	
27 29 00 00-1940	EA		SVGA Mon Ext Gold Cbl w RGB coax HD15 (M/F) - 25' (Tripp Lite P500-025).....	78.44	
27 29 00 00-1941	EA		SVGA Monitor Extension Cable w RGB coax HD15M/F - 50' (Tripp Lite P500-050).....	142.87	
27 29 00 00-1942	EA		SVGA Monitor Extension Cable w RGB coax HD15M/F - 50' (Tripp Lite P500-075).....	207.32	
27 29 00 00-1943	EA		SVGA Monitor Extension Cable w RGB coax HD15M/F - 100' (Tripp Lite P500-100).....	238.14	
27 29 00 00-1944	EA		SVGA EZ-Pull Gold Monitor Extension Cable w RGB Coax, HD15M/F, 50' (Tripp Lite P501-050).....	280.16	
27 29 00 00-1945	EA		SVGA EasyPull Monitor Extension Cable w RGB Coax - 100' (Tripp Lite P501-100).....	504.31	
27 29 00 00-1946	EA		SVGA/XVGA Monitor Gold Cable w RGB Coax HD15M/M - 1 ft. (Tripp Lite P502-001).....	26.34	
27 29 00 00-1947	EA		SVGA/XVGA Monitor Gold Cable w RGB Coax HD15M/M - 3' (Tripp Lite P502-003).....	28.58	
27 29 00 00-1948	EA		SVGA/XVGA Gold Right-Angle Monitor Cable With RGB Coax - 3' (Tripp Lite P502-003-RA).....	39.22	
27 29 00 00-1949	EA		3ft SVGA / VGA Compact RGB Coax Monitor Cable (HD15 M/M) 3' (Tripp Lite P502-003-SM).....	30.81	
27 29 00 00-1950	EA		SVGA Monitor Cbl w RGB Coax HD15 (M/M) - 6' (Tripp Lite P502-006).....	31.38	
27 29 00 00-1951	EA		SVGA/XVGA Gold Right-Angle Monitor Cable With RGB Coax - 6' (Tripp Lite P502-006-RA).....	42.03	
27 29 00 00-1952	EA		6ft SVGA / VGA Compact RGB Coax Monitor Cable (HD15 M/M) 6' (Tripp Lite P502-006-SM).....	32.50	
27 29 00 00-1953	EA		SVGA/XVGA Monitor Gold Cable w RGB Coax HD15M/M - 10' (Tripp Lite P502-010).....	53.24	
27 29 00 00-1954	EA		SVGA/XVGA Gold Right-Angle Monitor Cable With RGB Coax - 10' (Tripp Lite P502-010-RA).....	61.63	
27 29 00 00-1955	EA		SVGA Monitor Cable w RGB Coax HD15M/M - 15' (Tripp Lite P502-015).....	72.84	
27 29 00 00-1956	EA		SVGA Monitor Gold Cbl w RGB Coax HD15 (M/M) - 25' (Tripp Lite P502-025).....	78.44	
27 29 00 00-1957	EA		XVGA Plenum Rated Monitor Gold Cable w RGB Coax HD15M/M - 25' (Tripp Lite P502-025-P).....	392.22	
27 29 00 00-1958	EA		SVGA/XVGA Gold Right-Angle Monitor Cable With RGB Coax - 25' (Tripp Lite P502-025-RA).....	89.66	
27 29 00 00-1959	EA		SVGA Monitor Cable w RGB Coax HD15M/M - 50' (Tripp Lite P502-050).....	145.68	
27 29 00 00-1960	EA		XVGA Plenum Rated Monitor Gold Cable w RGB Coax HD15M/M - 50' (Tripp Lite P502-050-P).....	840.49	
27 29 00 00-1961	EA		SVGA Monitor Gold Cable w RGB Coax HD15M/M - 100' (Tripp Lite P502-100).....	240.94	
27 29 00 00-1962	EA		SVGA EZ-Pull Gold Monitor Cable w RGB Coax, HD15M/M, 50' (Tripp Lite P503-050).....	280.16	
27 29 00 00-1963	EA		SVGA EasyPull Monitor Cable w RGB Coax - 100' (Tripp Lite P503-100).....	504.31	
27 29 00 00-1964	EA		3ft SVGA/VGA RGB Coax Monitor Cable w Aud HD15 M/M, 3.5mm M/M 3' (Tripp Lite P504-003-SM).....	56.04	
27 29 00 00-1965	EA		6ft SVGA/VGA Monitor + Audio Cable w Coax (HD15 M/M, 3.5mm M/M) (Tripp Lite P504-006).....	57.16	
27 29 00 00-1966	EA		6ft SVGA/VGA RGB Coax Monitor Cable w Aud HD15 M/M, 3.5mm M/M 6' (Tripp Lite P504-006-SM).....	67.23	
27 29 00 00-1967	EA		10' XVGA Monitor/Audio Cable w Coax HD15M/M, 3.5mm M/M (Tripp Lite P504-010).....	89.66	
27 29 00 00-1968	EA		15ft SVGA/VGA Monitor + Audio Cable w Coax (HD15 M/M, 3.5mm M/M) (Tripp Lite P504-015).....	112.06	
27 29 00 00-1969	EA		25 XVGA Monitor/Audio Cable w Coax HD15M/M, 3.5mm M/M (Tripp Lite P504-025).....	168.10	
27 29 00 00-1970	EA		25 XVGA Monitor/Audio Plenum Cable w Coax HD15M/M, 3.5mm M/M (Tripp Lite P504-025-P).....	420.26	
27 29 00 00-1971	EA		SVGA Monitor Cable with RGB Coax and Audio - HD15(M/M) - 50' (Tripp Lite P504-050).....	336.20	
27 29 00 00-1972	EA		SVGA EasyPull Monitor Coax Cable w Audio - 50' (Tripp Lite P504-050-EZ).....	364.21	
27 29 00 00-1973	EA		SVGA EasyPull Monitor Coax Cable w Audio - 100' (Tripp Lite P504-100-EZ).....	560.33	
27 29 00 00-1974	EA		VGA Monitor Extension Gold Cable HD15M/F - 6' (Tripp Lite P510-006).....	20.74	
27 29 00 00-1975	EA		VGA Monitor Extension Gold Cable HD15M/F - 10' (Tripp Lite P510-010).....	21.29	
27 29 00 00-1976	EA		VGA Monitor Extension Gold Cable HD15M/F - 15' (Tripp Lite P510-015).....	26.34	
27 29 00 00-1977	EA		VGA Monitor Extension Gold Cable HD15M/F - 25' (Tripp Lite P510-025).....	39.22	
27 29 00 00-1978	EA		VGA Monitor Gold Cable HD15M/M - 6' (Tripp Lite P512-006).....	17.94	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1979	EA		VGA Monitor Gold Cable HD15M/M - 10' (Tripp Lite P512-010).....	22.40	
27 29 00 00-1980	EA		VGA/XVGA Monitor Y Splitter HD15M/2XF (Tripp Lite P516-001) .....	39.22	
27 29 00 00-1981	EA		VGA/XVGA Monitor Y Splitter (High Resolution) - HD15(M)/ x2 (F) - 1' (Tripp Lite P516-001-HR) .....	50.43	
27 29 00 00-1982	EA		CGA/EGA Monitor/Mouse Extension Cable DB9M/F - 6' (Tripp Lite P520-006) .....	12.88	
27 29 00 00-1983	EA		6-ft. CGA/EGA Monitor/Serial Mouse Extension Display Cable DB9F to DB9M (Tripp Lite P520-006-R) .....	5.04	
27 29 00 00-1984	EA		3ft DVI to VGA Cable DVI Male to HD15 Male 3' (Tripp Lite P556-003).....	36.42	
27 29 00 00-1985	EA		DVI Cable, DVI Male to HD15M - 6 ft. (Tripp Lite P556-006).....	39.22	
27 29 00 00-1986	EA		10ft DVI to VGA Cable DVI Male to HD15 Male 10' (Tripp Lite P556-010).....	56.04	
27 29 00 00-1987	EA		3ft DVI Dual Link TMDS Cable (DVI-D M/M) 3' (Tripp Lite P560-003).....	44.83	
27 29 00 00-1988	EA		DVI Dual Link TMDS Cable, DVI-D M/M - 6 ft. (Tripp Lite P560-006).....	47.63	
27 29 00 00-1989	EA		DVI Dual Link TMDS Cable With Audio - DVI-D, 3.5 - 6' (Tripp Lite P560-006-A) .....	56.04	
27 29 00 00-1990	EA		DVI Dual Link TMDS Cable, DVI-D M/M - 10 ft. (Tripp Lite P560-010).....	61.63	
27 29 00 00-1991	EA		DVI Dual Link TMDS Cable With Audio - DVI-D, 3.5mm M/M - 10' (Tripp Lite P560-010-A).....	72.84	
27 29 00 00-1992	EA		DVI Dual Link TMDS Cable- DVI-D M/M - 15' (Tripp Lite P560-015) .....	89.66	
27 29 00 00-1993	EA		DVI Dual Link TMDS Cable- DVI-D M/M - 20' (Tripp Lite P560-020) .....	123.27	
27 29 00 00-1994	EA		DVI Dual Link TMDS Cable - DVI-D(M)/(M) - 25' (Tripp Lite P560-025) .....	162.50	
27 29 00 00-1995	EA		DVI Dual Link TMDS Cable- DVI-D M/M - 50' (15M) (Tripp Lite P560-050).....	252.15	
27 29 00 00-1996	EA		DVI Dual Link TMDS Cable- DVI-D M/M - 100' (30M) (Tripp Lite P560-100).....	448.27	
27 29 00 00-1997	EA		DVI Single Link TMDS Cable, DVI-D M/M - 6 ft. (Tripp Lite P561-006) .....	56.04	
27 29 00 00-1998	EA		DVI Single Link TMDS Cable, DVI-D M/M - 10 ft. (Tripp Lite P561-010) .....	72.84	
27 29 00 00-1999	EA		DVI Single Link TMDS Cable- DVI-D M/M - 50' (15M) (Tripp Lite P561-050) .....	196.11	
27 29 00 00-2000	EA		DVI EasyPull Cable Single link (TMDS) - 50' (Tripp Lite P561-050-EZ) .....	336.20	
27 29 00 00-2001	EA		75ft DVI Single Link TMDS Cable DVI-D M/M 75' (Tripp Lite P561-075).....	347.40	
27 29 00 00-2002	EA		DVI Single Link TMDS Cable- DVI-D M/M - 100' (30M) (Tripp Lite P561-100) .....	364.21	
27 29 00 00-2003	EA		DVI EasyPull Cable Single link (TMDS) - 100' (Tripp Lite P561-100-EZ) .....	560.33	
27 29 00 00-2004	EA		100ft DVI High Definition Single Link TMDS Cable DVI-D M/M 100' (Tripp Lite P561-100-HD) .....	672.39	
27 29 00 00-2005	EA		DVI Dual Link 45deg Left Extension Cable - DVI-D M/F - 1' (Tripp Lite P562-001-45L) .....	56.04	
27 29 00 00-2006	EA		DVI Dual Link Extension Cable, DVI-DI M/F - 6 ft. (Tripp Lite P562-006).....	64.43	
27 29 00 00-2007	EA		DVI Dual Link Splitter Cable - DVI-D(M) / DVI-I x2 (F) - 1' (Tripp Lite P564-001).....	84.05	
27 29 00 00-2008	EA		HDMI to DVI Gold Digital Video Cable HDMI-M/DVI-M - 6 ft. (Tripp Lite P566-006) .....	84.05	
27 29 00 00-2009	EA		HDMI to DVI Gold Digital Video Cable HDMI-M/DVI-M - 10 ft. (Tripp Lite P566-010) .....	100.87	
27 29 00 00-2010	EA		HDMI to DVI Gold Digital Video Cable HDMI-M / DVI-M - 16' (Tripp Lite P566-016).....	134.49	
27 29 00 00-2011	EA		3ft HDMI Gold Digital Video Cable 3' (Tripp Lite P568-003) .....	26.89	
27 29 00 00-2012	EA		HDMI Gold Digital Video Cable (Flat) - HDMI(M)/(M) - 3' (Tripp Lite P568-003-FL) .....	56.04	
27 29 00 00-2013	EA		Swivel HDMI Premium Gold Cable - HDMI M/M - 3 ft. (Tripp Lite P568-003-SW) .....	56.04	
27 29 00 00-2014	EA		HDMI Gold Digital Video Cable HDMI M/M - 6 ft. (Tripp Lite P568-006).....	33.62	
27 29 00 00-2015	EA		HDMI Gold Digital Video Cable (Flat) - HDMI(M)/(M) - 6' (Tripp Lite P568-006-FL) .....	67.23	
27 29 00 00-2016	EA		6ft HDMI Gold Straight to Right-Angle Digital Video Cable (HDMI M/HDMI Right-Angle M) (Tripp Lite P568-006-RA) .....	58.84	
27 29 00 00-2017	EA		Right-Angle HDMI Gold Digital Video Cable HDMI M/M - 6' (Tripp Lite P568-006-RA2) .....	61.63	
27 29 00 00-2018	EA		Swivel HDMI Premium Gold Cable - HDMI M/M - 6 ft. (Tripp Lite P568-006-SW) .....	72.84	
27 29 00 00-2019	EA		HDMI Gold Digital Video Cable HDMI M/M - 10 ft. (Tripp Lite P568-010).....	56.04	
27 29 00 00-2020	EA		HDMI Gold Digital Video Cable (Flat) - HDMI(M)/(M) - 10' (Tripp Lite P568-010-FL) .....	89.66	
27 29 00 00-2021	EA		Swivel HDMI Gold Video Cable - HDMI M/M - 10 ft. (Tripp Lite P568-010-SW) .....	95.26	
27 29 00 00-2022	EA		12ft High Speed HDMI Gold Digital Video Cable HDMI M/M 12' (Tripp Lite P568-012).....	58.84	
27 29 00 00-2023	EA		HDMI Gold Digital Video Cable HDMI M/M - 16' (Tripp Lite P568-016) .....	89.66	
27 29 00 00-2024	EA		Flat HDMI Gold Video Cable HDMI M/M - 16' (Tripp Lite P568-016-FL).....	134.49	
27 29 00 00-2025	EA		HDMI Gold Digital Video Cable - HDMI(M)/(M) - 25' (Tripp Lite P568-025) .....	140.09	
27 29 00 00-2026	EA		25ft Easy Pull High Speed HDMI Digital Video Cable HDMI M/M 25' (Tripp Lite P568-025-EZ) .....	280.16	
27 29 00 00-2027	EA		HDMI Gold Digital Video Cable - HDMI(M)/(M) - 50' (Tripp Lite P568-050) .....	280.16	
27 29 00 00-2028	EA		HDMI EasyPull Digital Video Cable - 50' (Tripp Lite P568-050-EZ).....	420.26	
27 29 00 00-2029	EA		HDMI Gold Digital Video Cable - HDMI M/M - Plenum Rated - 50' (Tripp Lite P568-050-P) .....	1,288.76	
27 29 00 00-2030	EA		HDMI Gold Digital Video Cable - HDMI(M)/(M) - 100' (Tripp Lite P568-100) .....	560.33	
27 29 00 00-2031	EA		HDMI EasyPull Digital Video Cable - 100' (Tripp Lite P568-100-EZ) .....	784.47	
27 29 00 00-2032	EA		High Definition HDMI Gold Digital Video Cable, HDMI M/M - 100ft (Tripp Lite P568-100-HD) .....	896.53	
27 29 00 00-2033	EA		3ft High Speed With Ethernet HDMI Cable (HDMI M/M) 3' (Tripp Lite P569-003) .....	56.04	
27 29 00 00-2034	EA		6' High Speed With Ethernet HDMI Cable (HDMI M/M) (Tripp Lite P569-006) .....	72.84	
27 29 00 00-2035	EA		10' High Speed With Ethernet HDMI Cable (HDMI M/M) (Tripp Lite P569-010) .....	84.05	
27 29 00 00-2036	EA		16' High Speed With Ethernet HDMI Cable (HDMI M/M) (Tripp Lite P569-016) .....	123.27	
27 29 00 00-2037	EA		25' High Speed With Ethernet HDMI Cable (HDMI M/M) (Tripp Lite P569-025) .....	212.93	
27 29 00 00-2038	EA		3ft HDMI to Micro HDMI High Speed w Ethernet Vid / Aud Cable 3' (Tripp Lite P570-003-MICRO).....	44.83	
27 29 00 00-2039	EA		6ft HDMI to Micro HDMI High Speed w Ethernet Vid / Aud Cable 6' (Tripp Lite P570-006-MICRO).....	56.04	
27 29 00 00-2040	EA		3ft High Speed with Ethernet HDMI to Mini HDMI Cable 3' (Tripp Lite P571-003-MINI) .....	50.43	
27 29 00 00-2041	EA		6ft High Speed with Ethernet HDMI to Mini HDMI Cable 6' (Tripp Lite P571-006-MINI) .....	72.84	
27 29 00 00-2042	EA		HDMI TO Mini Gold Digital Video Cable - Mini HDMI(M)/(M) - 6' (Tripp Lite P572-006) .....	72.84	
27 29 00 00-2043	EA		DMS59 to (2) HD15 Splitter Cable - 1' (Tripp Lite P574-001) .....	78.44	
27 29 00 00-2044	EA		DMS59 to (2) DVI-I Splitter Cable - 1' (Tripp Lite P576-001) .....	78.44	
27 29 00 00-2045	EA		3ft Displayport Monitor Cable M/M 3' (Tripp Lite P580-003) .....	72.84	
27 29 00 00-2046	EA		Displayport Device Cable - 6' (Tripp Lite P580-006) .....	84.05	
27 29 00 00-2047	EA		Displayport Device Cable - 10' (Tripp Lite P580-010).....	112.06	
27 29 00 00-2048	EA		Displayport Device Cable - 15' (Tripp Lite P580-015).....	179.31	
27 29 00 00-2049	EA		DisplayPort to DVI Single-Link Device Cable - 6' (Tripp Lite P581-006).....	145.68	
27 29 00 00-2050	EA		DisplayPort M to DVI-D Single-Link M Cable - 10 ft. (Tripp Lite P581-010).....	179.31	
27 29 00 00-2051	EA		3ft Mini Displayport to Displayport Cable 2560 x 1600 3' (Tripp Lite P583-003) .....	56.04	
27 29 00 00-2052	EA		6ft Mini Displayport to Displayport Cable 2560 x 1600 6' (Tripp Lite P583-006) .....	61.63	
27 29 00 00-2053	EA		10ft Mini Displayport to Displayport Cable 2560 x 1600 10' (Tripp Lite P583-010) .....	72.84	
27 29 00 00-2054	EA		3ft Mini Displayport to Mini Displayport Cable 2560 x 1600 3' (Tripp Lite P584-003) .....	56.04	
27 29 00 00-2055	EA		6ft Mini Displayport to Mini Displayport Cable 2560 x 1600 6' (Tripp Lite P584-006) .....	61.63	
27 29 00 00-2056	EA		10ft Mini Displayport to Mini Displayport Cable 2560 x 1600 10' (Tripp Lite P584-010) .....	72.84	
27 29 00 00-2057	EA		Bidirectional Parallel Printer A/B Cable DB25M/Cen36M - 10' (Tripp Lite P602-010) .....	24.09	
27 29 00 00-2058	EA		IEEE1284 Gold Parallel Printer A/B Cable DB25M/Cen36M - 3' (Tripp Lite P606-003).....	28.86	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2059	EA		IEEE1284 Gold Parallel Printer A/B Cable DB25M/Cen36M - 6' (Tripp Lite P606-006).....	30.26	
27 29 00 00-2060	EA		IEEE1284 Gold Parallel Printer A/B Cable DB25M/Cen36M - 10' (Tripp Lite P606-010).....	39.22	
27 29 00 00-2061	EA		IEEE1284 Gold Parallel Printer A/B Cable DB25M/Cen36M - 15' (Tripp Lite P606-015).....	47.63	
27 29 00 00-2062	EA		IEEE1284 Parallel Printer A-C Cable DB25M/Cen36M - 6' (Tripp Lite P608-006).....	30.81	
27 29 00 00-2063	EA		IEEE 1284 Switch Gold Cable DB25M/M - 6' (Tripp Lite P710-006).....	36.42	
27 29 00 00-2064	EA		PS/2 Cable Kit for KVM Switch B004-008 - 6' (Tripp Lite P750-006).....	52.38	
27 29 00 00-2065	EA		PS/2 Cable Kit for KVM Switch B004-008 - 10' (Tripp Lite P750-010).....	72.84	
27 29 00 00-2066	EA		PS/2 Cable Kit for KVM Switch B004-008 - 15' (Tripp Lite P750-015).....	92.46	
27 29 00 00-2067	EA		KVM PS/2 Slim Cable Kit for B004-002/4, B005-002/4 And B007-008 - 6' (Tripp Lite P753-006).....	53.79	
27 29 00 00-2068	EA		KVM PS/2 Slim Cable Kit for B004-002/4, B005-002/4 And B007-008 - 10' (Tripp Lite P753-010).....	77.04	
27 29 00 00-2069	EA		KVM PS/2 Slim Cable Kit for B004-002/4, B005-002/4 And B007-008 - 15' (Tripp Lite P753-015).....	112.06	
27 29 00 00-2070	EA		PS/2 Cable Kit for KVM Switch B007-008 - 10' (Tripp Lite P754-010).....	77.04	
27 29 00 00-2071	EA		KVM USB with Audio Cable Kit for B006-VUA4-K-R - 10 ft. (Tripp Lite P756-010).....	112.06	
27 29 00 00-2072	EA		KVM PS/2 with Audio Cable Kit for B006-VUA4-K-R - 10 ft. (Tripp Lite P757-010).....	112.06	
27 29 00 00-2073	EA		USB Cable Kit for KVM Switch B006-004-R - 6' (Tripp Lite P758-006).....	52.67	
27 29 00 00-2074	EA		USB Cable Kit for KVM Switch B006-004-R - 10' (Tripp Lite P758-010).....	64.43	
27 29 00 00-2075	EA		6ft Cable Kit for B002-DUA2 / B002-DUA4 Secure KVM Switches 6' (Tripp Lite P759-006).....	134.49	
27 29 00 00-2076	EA		10ft Cable Kit for B002-DUA2 / B002-DUA4 Secure KVM Switches 10' (Tripp Lite P759-010).....	179.31	
27 29 00 00-2077	EA		15ft Cable Kit for B002-DUA2 / B002-DUA4 Secure KVM Switches 15' (Tripp Lite P759-015).....	224.12	
27 29 00 00-2078	EA		KVM Daisy-Chain Cable for the B060-Series KVM Switches - 13' (Tripp Lite P770-013).....	280.16	
27 29 00 00-2079	EA		KVM Daisy-Chain Cable for the B060-Series KVM Switches - 10m (Tripp Lite P770-10M).....	560.33	
27 29 00 00-2080	EA		Daisy-Chain Cable Kit for KVM Switches B020-016, B020-008 and B022-016 (Tripp Lite P772-002).....	100.87	
27 29 00 00-2081	EA		KVM Daisychain Cable for B020-016, B020-008 And B022-016 - 6' (Tripp Lite P772-006).....	168.10	
27 29 00 00-2082	EA		KVM Daisy Chain Cable for B020 Series and B022-016 - 15' (Tripp Lite P772-015).....	308.17	
27 29 00 00-2083	EA		PS/2 Cable Kit for B020- and B022- series KVM Switches - 6' (Tripp Lite P774-006).....	91.34	
27 29 00 00-2084	EA		PS/2 Cable Kit for B020- and B022- series KVM Switches - 10' (Tripp Lite P774-010).....	138.41	
27 29 00 00-2085	EA		PS/2 Cable Kit for B020- and B022- series KVM Switches - 15' (Tripp Lite P774-015).....	169.79	
27 29 00 00-2086	EA		KVM PS/2 Cable Kit for B020/B022 Series Switches - 25' (Tripp Lite P774-025).....	238.14	
27 29 00 00-2087	EA		USB Cable Kit for B020- and B022- series KVM Switches - 6' (Tripp Lite P776-006).....	116.55	
27 29 00 00-2088	EA		USB Cable Kit for B020- and B022- series KVM Switches - 10' (Tripp Lite P776-010).....	162.50	
27 29 00 00-2089	EA		KVM USB Cable Kit for B020/B022 Series Switches - 19' (Tripp Lite P776-019).....	215.16	
27 29 00 00-2090	EA		KVM USB-PS2 Combo Cable Kit for the B020/22-U08/16 Series Switches - 6ft (Tripp Lite P778-006).....	77.33	
27 29 00 00-2091	EA		KVM USB/PS2 Combo Cable Kit for the B020/22-UXX Series Switches - 10ft (Tripp Lite P778-010).....	95.26	
27 29 00 00-2092	EA		KVM USB/PS2 Combo Cable Kit for the B020/22-UXX Series Switches - 15ft (Tripp Lite P778-015).....	128.88	
27 29 00 00-2093	EA		KVM USB/PS2 Cable for B040 And B042 KVMs (includes USB AF to PS/2 M adapter) - 6' (Tripp Lite P780-006).....	73.96	
27 29 00 00-2094	EA		KVM USB/PS2 Cable for B040 And B042 KVMs (includes USB AF to PS/2 M adapter) - 10' (Tripp Lite P780-010).....	96.93	
27 29 00 00-2095	EA		KVM USB/PS2 Cable for B040 And B042 KVMs (includes USB AF to PS/2 M adapter) - 15' (Tripp Lite P780-015).....	131.11	
27 29 00 00-2096	EA		KVM Daisychain Cable for the B040/42 Series KVM Switches - 3' (Tripp Lite P781-003).....	100.87	
27 29 00 00-2097	EA		KVM Daisychain Cable for the B040/42 Series KVM Switches - 6' (Tripp Lite P781-006).....	112.06	
27 29 00 00-2098	EA		KVM Daisychain Cable for the B040/42 Series KVM Switches - 10' (Tripp Lite P781-010).....	134.49	
27 29 00 00-2099	EA		KVM Daisychain Cable for the B040/42 Series KVM Switches - 16' (Tripp Lite P781-016).....	168.10	
27 29 00 00-2100	EA		UATA/UDMA EIDE 2-Drive Ribbon Cable 3x40sok - 18" (Tripp Lite P906-18).....	18.22	
27 29 00 00-2101	EA		UATA/UDMA EIDE 2-Drive Ribbon Cable 3x40sok - 18" (Bulk) (Tripp Lite P906-18I-BP).....	14.02	
27 29 00 00-2102	EA		UATA/UDMA EIDE 2-Drive Ribbon Cable 3x40sok - 24" (Tripp Lite P906-24).....	13.45	
27 29 00 00-2103	EA		UATA/UDMA EIDE 2-Drive Ribbon Cable 3x40sok - 26" (Tripp Lite P906-26).....	19.62	
27 29 00 00-2104	EA		Power Y Splitter 5.25" Cable - 6" (Tripp Lite P920-006).....	7.01	
27 29 00 00-2105	EA		Universal CD ROM Audio Cable Assembly - 26" (Tripp Lite P930-26).....	4.75	
27 29 00 00-2106	EA		IDE to Serial ATA (SATA) Converter (Tripp Lite P936-000).....	72.84	
27 29 00 00-2107	EA		8" Serial ATA (SATA) Latching Signal Cable (Tripp Lite P940-08).....	11.21	
27 29 00 00-2108	EA		Serial ATA (SATA) Signal Cable - 19" (Tripp Lite P940-19).....	14.02	
27 29 00 00-2109	EA		Serial ATA (SATA) Signal Cable - 39" (Tripp Lite P940-39).....	15.68	
27 29 00 00-2110	EA		Serial ATA (SATA) Signal Cable, 7-pin Connector straight/up - 19" (Tripp Lite P941-19).....	13.45	
27 29 00 00-2111	EA		Serial ATA (SATA) Signal Cable, 7-pin Connector straight/down - 19" (Tripp Lite P942-19).....	13.45	
27 29 00 00-2112	EA		Serial ATA (SATA) Signal Cable, 7-pin Connector up/down - 19" (Tripp Lite P943-19).....	13.45	
27 29 00 00-2113	EA		Serial ATA (SATA) Power Cable - 6" (Tripp Lite P944-06).....	10.64	
27 29 00 00-2114	EA		Serial ATA (SATA) Power Adapter/Ext Cable - 4pin/4pin And 15pin SATA - 6" (Tripp Lite P945-06).....	16.82	
27 29 00 00-2115	EA		Serial ATA (SATA) Dual Power Adapter Cable - 4pin/2x15pin SATA - 12" (Tripp Lite P946-12).....	16.82	
27 29 00 00-2116	EA		Serial ATA II (SATA II) Signal Cable, 2x7-pin Straight Connector - 2m (Tripp Lite P950-02M).....	40.34	
27 29 00 00-2117	EA		Serial ATA II Signal Cable, 2x7-pin Straight Connector - 18" (Tripp Lite P950-18).....	22.40	
27 29 00 00-2118	EA		Serial ATA II Signal Cable, 2x7-pin Straight Connector - 39" (Tripp Lite P950-36).....	28.01	
27 29 00 00-2119	EA		eSATA to SATA Signal Cable With Bracket, 7P-M/7P-M, 2' (Tripp Lite P952-002).....	32.50	
27 29 00 00-2120	EA		eSATA to SATA Signal Cable - 3' (Tripp Lite P952-003).....	28.01	
27 29 00 00-2121	EA		eSATA to SATA Signal Cable - 18" (Tripp Lite P952-18).....	24.09	
27 29 00 00-2122	EA		120 Volt, 15 Amperes (13) 5-15R AC Receptacles (1) 15 Amperes Circuit Breaker 5-15P Input Plug 15 ft. Cord (Tripp Lite PDU1215).....	215.71	
27 29 00 00-2123	EA		120 Volt, 20 Amperes (13) 5- 20 R AC Receptacles (1) 20 Amperes Circuit Breaker 5- 20 P Input Plug 15 ft. Cord (Tripp Lite PDU1220).....	347.34	
27 29 00 00-2124	EA		120 Volt, 20 Amperes (13) 5- 20 R AC Receptacles (1) 20 Amperes Circuit Breaker L5- 20 P Input Plug 15 ft. Cord (Tripp Lite PDU1220T).....	358.30	
27 29 00 00-2125	EA		208 Volt, 30 Amperes (12) C-13 AC Receptacles (3) 10 Amperes Circuit Breakers L6- 30 P Input Plug 15 ft. Cord (Tripp Lite PDU1230).....	595.95	
27 29 00 00-2126	EA		100-240 Volt, 20 Amperes (12) C-13/ (2) C19 AC Receptacles (2) 16 Amperes Circuit Breakers C-20+ Input Plug N/A Cord (Tripp Lite PDU12IEC).....	482.61	
27 29 00 00-2127	EA		120 Volt, 15 Amperes (14) 5-15R AC Receptacles (1) 15 Amperes Circuit Breaker 5-15P Input Plug 15 ft. Cord (Tripp Lite PDU1415).....	402.18	
27 29 00 00-2128	EA		120 Volt, 20 Amperes (14) 5-15R AC Receptacles (1) 20 Amperes Circuit Breaker L5- 20 P Input Plug 15 ft. Cord (Tripp Lite PDU1420T).....	409.49	
27 29 00 00-2129	EA		120 Volt, 30 Amperes (24) 5-15R AC Receptacles (2) 15 Amperes Circuit Breakers L5- 30 P Input Plug 15 ft. Cord (Tripp Lite PDU2430).....	595.95	
27 29 00 00-2130	EA		PDU 3-Phase Metered 208V 12.6 kW Hubbell 36 C13; 6 C19 0URM (Tripp Lite PDU3MV6H50).....	1,828.08	
27 29 00 00-2131	EA		PDU 3-Phase Metered 208V 14.4kW 36 C13; 6 C19; 3 L6-30R 0URM (Tripp Lite PDU3MV6H50A).....	2,559.31	
27 29 00 00-2132	EA		PDU 3-Phase Metered 208/120V 5.7 Kw 36 C13; 6 C19; 6 5-15/20R 0U (Tripp Lite PDU3MV6L2120).....	1,133.41	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2133 EA PDU 3-Phase Metered 208/120V 5.7 kW 21 5-15/20R; 6 L6-20R 0URM (Tripp Lite PDU3MV6L2120B) .....	1,169.97	
27 29 00 00-2134 EA PDU 3-Phase Metered 120V 5.7 kW 42 5-15/20R L21-20P 0URM (Tripp Lite PDU3MV6L2120LV).....	1,133.41	
27 29 00 00-2135 EA PDU 3-Phase Metered 208V / 120V 36 C13; 6 C19; 6 5-15/20R 0URM (Tripp Lite PDU3MV6L2130) .....	1,645.27	
27 29 00 00-2136 EA PDU 3-Phase Monitored 208V 8.6kWA IEC-309 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10G30) .....	2,233.91	
27 29 00 00-2137 EA PDU 3-Phase Monitored 208V 12.6kWA IEC-309 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10G60) .....	2,844.49	
27 29 00 00-2138 EA PDU 3-Phase Monitored 208V 12.6kWA Hubbell 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10H50).....	2,559.31	
27 29 00 00-2139 EA PDU 3-Phase Monitored 208V 5.7kWA L15-20P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10L1520).....	1,868.30	
27 29 00 00-2140 EA PDU 3-Phase Monitored 208V 8.6kWA L15-30P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10L1530).....	2,153.48	
27 29 00 00-2141 EA PDU 3-Phase Monitored 208V 5.7kWA L21-20P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10L2120).....	1,524.62	
27 29 00 00-2142 EA PDU 3-Phase Monitored 120V 5.7kWA L21-20P 36 5-15/20R 0U RM (Tripp Lite PDU3VN10L2120LV).....	1,422.25	
27 29 00 00-2143 EA PDU 3-Phase Monitored 208V 8.6kWA L21-30P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10L2130).....	2,153.48	
27 29 00 00-2144 EA PDU 3-Phase Monitored 208V 8.6kWA IEC-309 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3G30) .....	2,153.48	
27 29 00 00-2145 EA PDU 3-Phase Monitored 208V 12.6kWA IEC-309 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3G60) .....	2,764.06	
27 29 00 00-2146 EA PDU 3-Phase Monitored 208V 12.6kWA Hubbell 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3H50).....	2,478.88	
27 29 00 00-2147 EA PDU 3-Phase Monitored 208V 5.7kWA L15-20P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3L1520).....	1,828.08	
27 29 00 00-2148 EA PDU 3-Phase Monitored 208V 8.6kWA L15-30P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3L1530).....	2,073.04	
27 29 00 00-2149 EA PDU 3-Phase Monitored 208V 5.7kWA L21-20P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3L2120).....	1,462.46	
27 29 00 00-2150 EA PDU 3-Phase Monitored 120V 5.7kWA L21-20P 36 5-15/20R 0U RM (Tripp Lite PDU3VN3L2120LV).....	1,341.81	
27 29 00 00-2151 EA PDU 3-Phase Monitored 208V 8.6kWA L21-20P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3L2130).....	2,073.04	
27 29 00 00-2152 EA PDU 3-Phase Switched 208V 8.6kWA IEC-309 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10G30).....	3,210.11	
27 29 00 00-2153 EA PDU 3-Phase Switched 208V 12.6kWA IEC-309 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10G60).....	3,615.94	
27 29 00 00-2154 EA PDU 3-Phase Switched 208V 12.6kWA Hubbell 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10H50).....	3,411.20	
27 29 00 00-2155 EA PDU 3-Phase Switched 208V 5.7kWA L15-20P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10L1520).....	2,720.18	
27 29 00 00-2156 EA PDU 3-Phase Switched 208V 8.6kWA L15-30P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10L1530).....	3,129.67	
27 29 00 00-2157 EA PDU 3-Phase Switched 208V 5.7kWA L21-20P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10L2120).....	2,632.44	
27 29 00 00-2158 EA PDU 3-Phase Switched 208V 8.6kWA L21-30P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10L2130).....	3,129.67	
27 29 00 00-2159 EA PDU 3-Phase Switched 208V 8.6kWA IEC-309 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3G30) .....	3,129.67	
27 29 00 00-2160 EA PDU 3-Phase Switched 208V 12.6kWA IEC-309 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3G60) .....	3,535.51	
27 29 00 00-2161 EA PDU 3-Phase Switched 208V 12.6kWA Hubbell 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3H50).....	3,330.76	
27 29 00 00-2162 EA PDU 3-Phase Switched 208V 5.7kWA L15-20P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3L1520).....	2,639.75	
27 29 00 00-2163 EA PDU 3-Phase Switched 208V 8.6kWA L15-30P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3L1530).....	3,045.58	
27 29 00 00-2164 EA PDU 3-Phase Switched 208V 5.7kWA L21-20P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3L2120).....	2,559.31	
27 29 00 00-2165 EA PDU 3-Phase Switched 208V 8.6kWA L21-30P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3L2130).....	3,045.58	
27 29 00 00-2166 EA PDU Intl 3-Phase Monitored 230V 11kWA IEC-309 30 C13; 6 C19 0U RM 10ft Cord (Tripp Lite PDU3XVN10G16).....	2,559.31	
27 29 00 00-2167 EA PDU Intl 3-Phase Monitored 230V 11kWA IEC-309 30 C13; 6 C19 0U RM 3ft Cord (Tripp Lite PDU3XVN3G16).....	2,486.19	
27 29 00 00-2168 EA PDU Intl 3-Phase Monitored 230V 11kWA IEC-309 30 C13; 6 C19 0U RM 3ft Cord (Tripp Lite PDU3XVSR10G16).....	3,290.54	
27 29 00 00-2169 EA PDU Intl 3-Phase Switched 230V 11kWA IEC-309 21 C13; 3 C19 0U RM 3ft Cord (Tripp Lite PDU3XVSR3G16).....	3,217.42	
27 29 00 00-2170 EA 120 Volt, 40 (2x20) Amperes (24 (2x12) 5-15R AC Receptacles (2) 20 Amperes Circuit Breakers (2) L5- 20 P Input Plug 15 ft. Cord (Tripp Lite PDU40TDUAL) .....	632.52	
27 29 00 00-2171 EA Power Distribution Unit Dual Source With Hot Swap 100-127 Volt, 12 Amperes, 5-15R 8 Outlet 2U RM (Tripp Lite PDUB15) .....	537.46	
27 29 00 00-2172 EA PDU Dual Source Hot Swap 100-127V 16A 5-15/20R 8 Outlet 2U RM (Tripp Lite PDUB20).....	614.23	
27 29 00 00-2173 EA PDU Dual Source Hot Swap 100-127V 24A 5-15/20R And L5-30R 7 Out 2U RM (Tripp Lite PDUB30) .....	1,228.47	
27 29 00 00-2174 EA PDU Dual Source Hot Swap 200-240V 10A C13 C14 8 Outlet 2U RM (Tripp Lite PDUBHV10) .....	577.67	
27 29 00 00-2175 EA PDU Dual Source Hot Swap 200-240V 16A C13 C19 8 Outlet 2U RM (Tripp Lite PDUBHV20) .....	691.01	
27 29 00 00-2176 EA PDU Basic Dual Volt 100-240V 20A 2 C19; 12 C13 Outlet 1U 0U RM (Tripp Lite PDUH20DV) .....	358.30	
27 29 00 00-2177 EA PDU Basic 208V / 240V 20A C19 C13 14 Outlet L6-20P 1U RM (Tripp Lite PDUH20HVL6).....	358.30	
27 29 00 00-2178 EA 120 Volt, 15 Amperes (13) 5-15R AC Receptacles (1) 15 Amperes Circuit Breaker 5-15P Input Plug 15 ft. Cord (Tripp Lite PDUMH15) .....	288.84	
27 29 00 00-2179 EA 120 Volt, 15 Amperes (8) 5-15R AC Receptacles (1) 15 Amperes Circuit Breaker 5-15P,C-13 Input Plug 12 ft. Cord (Tripp Lite PDUMH15AT).....	946.95	
27 29 00 00-2180 EA Digital Power Distribution Unit PDU 8 NEMA 5-15R 15A And Web Card (Tripp Lite PDUMH15ATNET) .....	1,550.21	
27 29 00 00-2181 EA 208/230 Volt, 15 Amperes (8) C13 AC Receptacles C14 Input Plug 6.5 ft. Cord (Tripp Lite PDUMH15HVNET) .....	1,173.63	
27 29 00 00-2182 EA PDU Switched 120V 15A 5-15R 16 Outlet 1U RM (Tripp Lite PDUMH15NET) .....	1,316.22	
27 29 00 00-2183 EA Digital Power Distribution Unit 1U RM PDU 12 NEMA5-15/20R 20A (Tripp Lite PDUMH20).....	416.80	
27 29 00 00-2184 EA 120 Volt, 20 Amperes (16) 5-15R/20R AC Receptacles (1) 20 Amperes Circuit Breaker 5-20P,C-19 Input Plug 12 ft. Cord (Tripp Lite PDUMH20AT).....	1,217.50	
27 29 00 00-2185 EA Digital Power Distribution Unit PDU 16 NEMA 5-15/20R 20A And Web Card (Tripp Lite PDUMH20ATNET) .....	1,758.61	
27 29 00 00-2186 EA PDU Metered 200-240V 20A 8 C13; 2 C19 Outlet L6-20P 1U RM (Tripp Lite PDUMH20HV) .....	464.33	
27 29 00 00-2187 EA PDU Metered ATS 200V-240V 20A 8 C13; 2 C19 2 C20 Horizontal 1URM (Tripp Lite PDUMH20HVAT) .....	1,133.41	
27 29 00 00-2188 EA Power Distribution Unit Switched With ATS 200 Volt - 240 Volt, 16 Amperes C13 / C19 10 Outlet 1U RM (Tripp Lite PDUMH20HVATNET).....	2,179.07	
27 29 00 00-2189 EA 208/230 Volt, 20 Amperes (8) C13 AC Receptacles C20/L6-20P Input Plug 8.5 ft. Cord (Tripp Lite PDUMH20HVNET) .....	1,539.24	
27 29 00 00-2190 EA PDU Switched 120V 20A 5-15/20R 16 Outlet 1U RM (Tripp Lite PDUMH20NET).....	1,480.74	
27 29 00 00-2191 EA PDU Metered 120V 30A 5-15/20R 12 Outlet L5-30P 1U RM (Tripp Lite PDUMH30) .....	683.70	
27 29 00 00-2192 EA PDU Metered ATS 120V 30A 24 5-15/20R; 1 L5-30R 2URM (Tripp Lite PDUMH30AT) .....	1,597.74	
27 29 00 00-2193 EA PDU Switched ATS 120V 30A 24 5-15/20R; 1 L5-30R 2URM (Tripp Lite PDUMH30ATNET).....	2,431.35	
27 29 00 00-2194 EA PDU Metered 208/240V 24A L6-30P 16 C13; 2 C19 Outlet 2U RM (Tripp Lite PDUMH30HV).....	1,009.10	
27 29 00 00-2195 EA PDU Switched 208V - 240V 30A C13 / C19 14 Outlet 2U RM (Tripp Lite PDUMH30HV19NET) .....	2,116.92	
27 29 00 00-2196 EA PDU Metered ATS 208/240V 30A 16 C13; 2 C19; 1 L6-30R 2U RM (Tripp Lite PDUMH30HVAT).....	1,689.15	
27 29 00 00-2197 EA PDU Switched ATS 208/240V 30A 16 C13; 2 C19; 1 L6-30R 2U RM (Tripp Lite PDUMH30HVATNET) .....	2,767.71	
27 29 00 00-2198 EA 208 Volt, 30 Amperes (16) C13 AC Receptacles (2) 15 Amperes Circuit Breakers L6-30P Input Plug 10 ft. Cord (Tripp Lite PDUMH30HVNET) .....	2,010.89	
27 29 00 00-2199 EA 120 Volt, 30 Amperes (16) 5-15/20R AC Receptacles (2) 20 Amperes Circuit Breakers L5-30P Input Plug 10 ft. Cord (Tripp Lite PDUMH30NET) .....	1,860.99	
27 29 00 00-2200 EA PDU Metered 230V 7.3kWA 32A IEC-309 16 C13; 2 C19 2U RM (Tripp Lite PDUMH32HV) .....	811.67	
27 29 00 00-2201 EA PDU Switched 230V 32A 7.3kWA IEC-309 16 C13 Outlet 2U RM (Tripp Lite PDUMH32HVNET).....	2,051.11	
27 29 00 00-2202 EA PDU Monitored 120 Volt 15 Amperes (8) 5-15R AC Receptacles 5-15P Input Plug 12ft. Cord (Tripp Lite PDUMNH15).....	957.91	
27 29 00 00-2203 EA PDU Monitored 120 Volt 20 Amperes (8) 5-15 / 20R AC Receptacles 5-20P / L5-20P Input Plug 12 ft. Cord (Tripp Lite PDUMNH20).....	1,100.50	

<b>27</b>	<b>Communications</b>
<b>27 20</b>	<b>Data Communications</b>
<b>27 29</b>	<b>Data Communications Network Systems</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2204	EA		PDU Monitored 208-240V 20A C13 8 Outlet L6-20P 1U RM (Tripp Lite PDUMNH20HV).....	1,060.29	
27 29 00 00-2205	EA		PDU Monitored 120V 30A 5-15/20R 16 Outlet 2U RM (Tripp Lite PDUMNH30).....	1,685.49	
27 29 00 00-2206	EA		PDU Monitored 208/240V 30A L6-30P 12 C13; 4 C19 Outlet 2U RM (Tripp Lite PDUMNH30HV).....	1,707.43	
27 29 00 00-2207	EA		PDU Monitored 230V 7.3kVA 32A IEC-309 12 C13; 4 C19 2U RM (Tripp Lite PDUMNH32HV).....	1,729.36	
27 29 00 00-2208	EA		Digital Power Distribution Unit, 120 Volt, 15 Amperes, Vertical With Real Time Remote Monitoring (Tripp Lite PDUMNV15).....	1,020.07	
27 29 00 00-2209	EA		Digital Power Distribution Unit, 120 Volt, 20 Amperes, Vertical PDU With Real Time Remote Monitoring (Tripp Lite PDUMNV20).....	1,133.41	
27 29 00 00-2210	EA		Digital Power Distribution Unit, 208/240 Volt, 20 Amperes, Vertical PDU With Real Time Remote Monitoring (Tripp Lite PDUMNV20HV).....	1,140.72	
27 29 00 00-2211	EA		PDU Monitored 200V-240V 20A 18 C13; 2 C19 C20 Vertical 0URM (Tripp Lite PDUMNV20HV2).....	1,243.09	
27 29 00 00-2212	EA		Digital Power Distribution Unit, 120 Volt, 30 Amperes, Vertical PDU With Real Time Remote Monitoring (Tripp Lite PDUMNV30).....	1,228.47	
27 29 00 00-2213	EA		Digital Power Distribution Unit, 208/240 Volt, 30 Amperes Vertical With/ Real Time Remote Monitoring (Tripp Lite PDUMNV30HV).....	1,447.84	
27 29 00 00-2214	EA		PDU Monitored 208V / 240V 30A 36 C13; 6 C19 Outlet Vertical 0URM (Tripp Lite PDUMNV30HV2).....	1,535.59	
27 29 00 00-2215	EA		120 Volt, 15 Amperes (16) 5-15R AC Receptacles (1) 15 Amperes Circuit Breaker 5-15P Input Plug 15 ft. Cord (Tripp Lite PDUVM15).....	329.05	
27 29 00 00-2216	EA		120 Volt, 15 Amperes (16) 5-15/20R AC Receptacles 5-15P Input Plug 10 ft. Cord (Tripp Lite PDUVM15NET).....	1,729.36	
27 29 00 00-2217	EA		120 Volt, 20 Amperes (16) 5-15R/20R AC Receptacles (1) 20 Amperes Circuit Breaker L5-20P Input Plug 15 ft. Cord (Tripp Lite PDUVM20).....	398.52	
27 29 00 00-2218	EA		208/230 Volt, 20 Amperes (32) C13/ (6) C19 AC Receptacles L6-20P Input Plug 10 ft. Cord (Tripp Lite PDUVM20HV).....	570.36	
27 29 00 00-2219	EA		208/230 Volt, 20 Amperes (21) C13/(3) C19 AC Receptacles L6-20P Input Plug 10 ft. Cord (Tripp Lite PDUVM20HVNET).....	2,054.76	
27 29 00 00-2220	EA		PDU Switched 208V - 240V 20A 7 C13; 1 C19 C20 Vertical 0URM (Tripp Lite PDUVM20HVNET2).....	1,828.08	
27 29 00 00-2221	EA		120 Volt, 20 Amperes (24) 5-15/20R AC Receptacles (1) 20 Amperes Circuit Breakers L5-20P/5-20P Input Plug 10 ft. Cord (Tripp Lite PDUVM20NET).....	1,806.14	
27 29 00 00-2222	EA		120 Volt, 30 Amperes (24) 5-15/20R AC Receptacles (2) 20 Amperes Circuit Breakers L5-30P Input Plug 10 ft. Cord (Tripp Lite PDUVM30).....	797.04	
27 29 00 00-2223	EA		208 Volt, 30 (2x15) Amperes (32) C13/ 6 C19 AC Receptacles (2) 15 Amperes Circuit Breakers L6-30P Input Plug 10 ft. Cord (Tripp Lite PDUVM30HV).....	786.07	
27 29 00 00-2224	EA		208 Volt, 30 Amperes (20) C13/ (4) C19 AC Receptacles (2) 15 Amperes Circuit Breakers L6-30P Input Plug 10 ft. Cord (Tripp Lite PDUVM30HVNET).....	2,307.04	
27 29 00 00-2225	EA		120 Volt, 30 Amperes (24) 5-15/20R AC Receptacles (2) 20 Amperes Circuit Breakers L6-30P Input Plug 10 ft. Cord (Tripp Lite PDUVM30NET).....	2,149.82	
27 29 00 00-2226	EA		PDU Switched 230V 30A C13 C19 24 Outlet 0U RM (Tripp Lite PDUVM32HVNET).....	2,303.38	
27 29 00 00-2227	EA		120 Volt, 40(2x20) Amperes 32(2x16) 5-15R/20R AC Receptacles (2) 20 Amperes Circuit Breaker L5-20P,5-20P Input Plug 20 ft. (2x10) Cord (Tripp Lite PDUVM40).....	797.04	
27 29 00 00-2228	EA		PDU Bracket Allows for 90 Degree Installation (Tripp Lite PDUVMROTATEBRKT).....	106.03	
27 29 00 00-2229	EA		100-240 Volt, 20 Amperes (12) C-13/ (2) C19 AC Receptacles (2) 20 Amperes Circuit Breakers C-13, C19, L5- 20 P,L6- 20 P, 5-15P Input Plug 6 ft. Cord (Tripp Lite PDUVNV).....	493.58	
27 29 00 00-2230	EA		Rack Enclosure Vertical Installation Kit PDU, Surge, Power Strip (Tripp Lite PDUSIDEBRKT).....	85.31	
27 29 00 00-2231	EA		Basic Power Distribution Unit Vertical PDU 12 NEMA 5-15R 15-Amperes (Tripp Lite PDUV15).....	226.68	
27 29 00 00-2232	EA		PDU Basic 120 Volt 20 Amperes (12) 5-15 / 20R AC Receptacles (1) 20 Amperes Circuit Breaker 5-20P Input Plug 15 ft. Cord (Tripp Lite PDUV20).....	321.74	
27 29 00 00-2233	EA		280 Volt, 30 (2x15) Amperes (32) C-13/ (6) C19 AC Receptacles (2) 15 Amperes Circuit Breakers L6-30P Input Plug 10 ft. Cord (Tripp Lite PDUV30HV).....	742.20	
27 29 00 00-2234	EA		Notebook Peripheral Kit (Keyboard, Mouse and Hub). (Tripp Lite PK3020KB).....	127.56	
27 29 00 00-2235	EA		Notebook Peripheral Kit (Light, Mouse and Hub). (Tripp Lite PK3021LI).....	112.12	
27 29 00 00-2236	EA		Notebook Peripheral Kit (Network Cable, Mouse and Hub). (Tripp Lite PK3022ET).....	95.87	
27 29 00 00-2237	EA		Relocateable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, 3 line protection, noise filter. 450 joules. Beige Without tabs (Tripp Lite PM6NS).....	62.15	
27 29 00 00-2238	EA		Relocateable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, 3 line protection, noise filter. 450 joules. Beige Without tabs (Tripp Lite PM6SN1).....	58.50	
27 29 00 00-2239	EA		500VA Low Profile Tower UPS for Kiosks, POS And PC's (Tripp Lite POS500).....	350.99	
27 29 00 00-2240	EA		DC Power Supply 120 Volt AC Input to 13.8 Volt DC Output For 30 Watt Transmitters 10 Amperes (Tripp Lite PR10).....	246.99	
27 29 00 00-2241	EA		DC Power Supply 120 Volt AC Input to 13.8 Volt DC Output For 40 Watt Transmitters 12 Amperes (Tripp Lite PR12).....	262.43	
27 29 00 00-2242	EA		DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For 50 Watt Transmitters 15 Amperes (Tripp Lite PR15).....	374.35	
27 29 00 00-2243	EA		DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For 60 Watt Transmitters 20 Amperes (Tripp Lite PR20).....	405.22	
27 29 00 00-2244	EA		DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For 75/100 Watt Transmitters 25 Amperes (Tripp Lite PR25).....	509.42	
27 29 00 00-2245	EA		DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For Home Use 3 Amperes (Tripp Lite PR3).....	102.27	
27 29 00 00-2246	EA		DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output for Home Use 3 Amperes (Tripp Lite PR3/UL).....	158.23	
27 29 00 00-2247	EA		DC Power Supply 120 Volt AC Input to 13.8 Volt DC Output for 125 Watt Transmitters 30 Amperes (Tripp Lite PR30).....	532.58	
27 29 00 00-2248	EA		DC Power Supply 120 Volt AC Input to 13.8 Volt DC Output for Home Use 4.5 Amperes (Tripp Lite PR4.5).....	123.50	
27 29 00 00-2249	EA		DC Power Supply 120 Volt AC Input to 13.8 Volt DC Output for 150/200 Watt Transmitters 40 Amperes (Tripp Lite PR40).....	681.16	
27 29 00 00-2250	EA		DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For 225 Watt Transmitters 50 Amperes (Tripp Lite PR50).....	764.14	
27 29 00 00-2251	EA		DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For 250/300 Watt Transmitters 60 Amperes (Tripp Lite PR60).....	895.35	
27 29 00 00-2252	EA		DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output for Home Use 7 Amperes (Tripp Lite PR7).....	172.65	
27 29 00 00-2253	EA		EZ Presenter (Tripp Lite PR-EZ1).....	116.79	
27 29 00 00-2254	EA		Pro Presenter (Tripp Lite PR-PRO3).....	203.12	
27 29 00 00-2255	EA		Keyspan Presentation Remote Pro 4 w Gyro Mouse, Laser And Audio (Tripp Lite PR-PRO4).....	256.74	
27 29 00 00-2256	EA		Presentation Remote (Tripp Lite PR-US2).....	159.45	
27 29 00 00-2257	EA		8 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite PS2408).....	120.25	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2258	EA		12 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite PS3612).....	130.00	
27 29 00 00-2259	EA		12 outlets Hardwired Multiple Outlet Strip 20-Amperes (Tripp Lite PS3612-20HW).....	123.50	
27 29 00 00-2260	EA		Power Strip 120V 5-15R 4 Outlet 10ft Cord 5-15P (Tripp Lite PS410).....	35.75	
27 29 00 00-2261	EA		Power Strip Hospital Grade 4 Outlet UL1363A 3ft-10ft Coiled Cord (Tripp Lite PS-410-HGOEMCC).....	276.24	
27 29 00 00-2262	EA		Power Strip Medical Cord Wrap Drip Shield 4 Outlet 10ft Cord (Tripp Lite PS410HGOEMX).....	311.79	
27 29 00 00-2263	EA		Power Distribution Strip. 15 ft. cord. 4 hospital-grade outlets and hospital-grade plug. (Tripp Lite PS-415-HG).....	186.87	
27 29 00 00-2264	EA		Power Distribution Strip. 15 ft. cord. 4 hospital-grade outlets and hospital-grade plug. Mounting tabs. (Tripp Lite PS-415-HG-OEM).....	292.49	
27 29 00 00-2265	EA		Power Distribution Strip. 15 ft. cord. 4 hospital-grade outlets (with hospital-grade FAULT PROTECTION GFCI) and hospital-grade plug. (Tripp Lite PS-415-HGULTRA).....	272.18	
27 29 00 00-2266	EA		16 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite PS4816).....	149.50	
27 29 00 00-2267	EA		4 Port USB Print Server (Tripp Lite PS-4A).....	292.49	
27 29 00 00-2268	EA		Relocatable Power Taps, 6 outlets, 4' cord, Plastic-Duplex Series, master on/off switch. White color Without tabs (Tripp Lite PS6).....	20.47	
27 29 00 00-2269	EA		20 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite PS6020).....	172.25	
27 29 00 00-2270	EA		Power Distribution Strip. 1½ ft. cord. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite PS-602-HG).....	132.03	
27 29 00 00-2271	EA		Power Distribution Strip. 6 ft. cord. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite PS-606-HG).....	207.18	
27 29 00 00-2272	EA		Power Strip 120V 5-15R 6 Outlet 15ft Cord 5-15P (Tripp Lite PS615).....	54.44	
27 29 00 00-2273	EA		Power Distribution Strip. 15 ft. cord. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite PS-615-HG).....	219.37	
27 29 00 00-2274	EA		Power Distribution Strip. 15 ft. cord. 6 hospital-grade outlets and hospital-grade plug. Mounting tabs. (Tripp Lite PS-615-HG-OEM).....	219.37	
27 29 00 00-2275	EA		Power Strip 120V 5-15R 7 Outlet 12ft Cord 5-15P Black (Tripp Lite PS712B).....	52.00	
27 29 00 00-2276	EA		24 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite PS7224).....	182.00	
27 29 00 00-2277	EA		24 outlets 15' cord Multiple Outlet Strip 20 -Amperes (Tripp Lite PS7224-20).....	253.49	
27 29 00 00-2278	EA		24 outlets Hardwired Multiple Outlet Strip 20 -Amperes (Tripp Lite PS7224-20HW).....	207.99	
27 29 00 00-2279	EA		24 outlets 15' cord Multiple Outlet Strip with Locking Plug 20 -Amperes (Tripp Lite PS7224-20T).....	269.74	
27 29 00 00-2280	EA		Medical Power Strip Mounting Clamp Drip Shield And Cord Management (Tripp Lite PSCLAMP).....	316.87	
27 29 00 00-2281	EA		12V DC to AC Permanent Mount Inverter with User-Supplied Cables 1000 continuous wattage 1500 instantaneous wattage 4 ac outlets (Tripp Lite PV1000HF).....	670.30	
27 29 00 00-2282	EA		12V DC to AC Inverter Plus with Charge/Load LED's 1250 continuous wattage 1875 overpower wattage 2500 doubleboost wattage 2 ac outlets (Tripp Lite PV1250FC).....	877.48	
27 29 00 00-2283	EA		12V DC to AC Portable Inverter with DC Auto Power Outlet 150 continuous wattage 300 instantaneous wattage 1 ac outlet (Tripp Lite PV150).....	95.47	
27 29 00 00-2284	EA		PV 1,800 Watt, 12 Volt DC To AC, 120 Volt Inverter With 2 GFCI Outlets (Tripp Lite PV1800GFCI).....	1,044.04	
27 29 00 00-2285	EA		12V DC to AC Permanent Mount Inverter with User-Supplied Cables 1800 continuous wattage 2700 instantaneous wattage 4 ac outlets (Tripp Lite PV1800HF).....	938.41	
27 29 00 00-2286	EA		12V DC to AC Inverter Plus with Charge/Load LED's 2000 continuous wattage 3000 overpower wattage 4000 doubleboost wattage 2 ac outlets (Tripp Lite PV2000FC).....	1,425.90	
27 29 00 00-2287	EA		24 Volt DC to AC Inverter Plus with Charge/Load LED's 2400 continuous wattage 3600 overpower wattage 4800 doubleboost wattage 2 ac outlets (Tripp Lite PV2400FC).....	1,669.65	
27 29 00 00-2288	EA		12V DC to AC Permanent Mount Inverter with User-Supplied Cables 3000 continuous wattage 6000 instantaneous wattage 4 ac outlets (Tripp Lite PV3000).....	1,446.21	
27 29 00 00-2289	EA		PV 3000W 12V DC to AC Inverter Plus with 4 GFCI Outlets (Tripp Lite PV3000GFCI).....	1,990.58	
27 29 00 00-2290	EA		12V DC to AC Portable Inverter with DC Auto Power Outlet 375 continuous wattage 600 instantaneous wattage 2 ac outlets (Tripp Lite PV375).....	150.31	
27 29 00 00-2291	EA		12V DC to AC Portable Inverter with User-Supplied Cables 700 continuous wattage 1400 instantaneous wattage 3 ac outlets (Tripp Lite PV700HF).....	280.31	
27 29 00 00-2292	EA		375W Portable PowerVerter Ultra Compact 230V Universal Outlet (Tripp Lite PVINT375).....	170.62	
27 29 00 00-2293	EA		Battery Cartridge for Select APC UPS Models (Tripp Lite RBC11A).....	886.25	
27 29 00 00-2294	EA		Battery Cartridge for Select APC UPS Models (Tripp Lite RBC12A).....	896.12	
27 29 00 00-2295	EA		Battery Cartridge for Select Tripp Lite Models (Tripp Lite RBC24-SLT).....	383.90	
27 29 00 00-2296	EA		Battery Cartridge for Select Tripp Lite Smart Online Tower UPS (Tripp Lite RBC24-SUTWR).....	365.62	
27 29 00 00-2297	EA		Battery Cartridge for Select APC UPS Models (Tripp Lite RBC2A).....	99.81	
27 29 00 00-2298	EA		Battery Cartridge for Select Tripp Lite Models (Tripp Lite RBC36-SLT).....	460.68	
27 29 00 00-2299	EA		Battery Cartridge for Select Tripp Lite Smart Online Tower UPS (Tripp Lite RBC48-SUTWR).....	685.53	
27 29 00 00-2300	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC49-2U).....	639.83	
27 29 00 00-2301	EA		Battery Cartridge for Select APC UPS Models (Tripp Lite RBC4A).....	159.77	
27 29 00 00-2302	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC51).....	131.62	
27 29 00 00-2303	EA		192 Volt DC Replacement Battery Cartridge select Online UPS 4U (Tripp Lite RBC5-192).....	1,828.08	
27 29 00 00-2304	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC52).....	106.03	
27 29 00 00-2305	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC53).....	380.24	
27 29 00 00-2306	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC54).....	530.14	
27 29 00 00-2307	EA		48 Volt DC Replacement Battery Cartridge for select UPS 2URM (Tripp Lite RBC58-2U).....	1,060.29	
27 29 00 00-2308	EA		Battery Cartridge for Select APC UPS Models (Tripp Lite RBC5A).....	183.17	
27 29 00 00-2309	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC62-1U).....	263.24	
27 29 00 00-2310	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC64-1U).....	342.79	
27 29 00 00-2311	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC69-1U).....	431.43	
27 29 00 00-2312	EA		Battery Cartridge for Select APC UPS Models (Tripp Lite RBC6A).....	383.17	
27 29 00 00-2313	EA		Battery Cartridge for Select APC UPS Models (Tripp Lite RBC7A).....	460.68	
27 29 00 00-2314	EA		Battery Cartridge for Select APC UPS Models (Tripp Lite RBC8A).....	489.56	
27 29 00 00-2315	EA		Battery Cartridge for Select Tripp Lite Smart Online Rackmount UPS (Tripp Lite RBC9-192).....	2,120.57	
27 29 00 00-2316	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC92-2U).....	361.96	
27 29 00 00-2317	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC93-2U).....	497.24	
27 29 00 00-2318	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC94-2U).....	685.53	
27 29 00 00-2319	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brand (Tripp Lite RBC94-3U).....	592.30	
27 29 00 00-2320	EA		72 Volt DC Replacement Battery Cartridge Select Online UPS 2U (Tripp Lite RBC96-2U).....	731.23	
27 29 00 00-2321	EA		Battery Cartridge for Select Tripp Lite Models (Tripp Lite RBC96-3U).....	680.05	
27 29 00 00-2322	EA		Programmable Relay I/O Card for Smart Online And Pro UPS (Tripp Lite RELAYI/OCARD).....	609.36	
27 29 00 00-2323	EA		UPS Internal Contact Closure Management Accessory Card (Tripp Lite RELAYIOMINI).....	406.24	
27 29 00 00-2324	EA		6 (front panel) outlets 19" length, 1U, 15-amperes rackmount, locking switch cover, 15 ft. cord (Tripp Lite RS-0615-F).....	156.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2325	EA		6 (rear panel) outlets 19" length, 1U, 15-amperes rackmount, locking switch cover, 15 ft. cord (Tripp Lite RS-0615-R).....	156.00	
27 29 00 00-2326	EA		12 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite RS-1215).....	156.00	
27 29 00 00-2327	EA		12 outlets 15' cord Multiple Outlet Strip 20 -Amperes (Tripp Lite RS1215-20).....	204.74	
27 29 00 00-2328	EA		12 Outlets 15' Cord Multiple Outlet Strip With Locking Plug 20 Amperes (Tripp Lite RS-1215-20T).....	233.99	
27 29 00 00-2329	EA		Rackmount Power Distribution Strip, 15 ft. cord, 12 hospital-grade outlets (6 front/6 rear) and hospital-grade plug. (Tripp Lite RS1215-HG).....	320.93	
27 29 00 00-2330	EA		12 outlets 15' cord Multiple Outlet Strip 15-Amperes Right-Angled (Tripp Lite RS1215-RA).....	156.00	
27 29 00 00-2331	EA		RV 1200W 12V DC to AC Inverter with Isobar Surge UL Tested Hardwired (Tripp Lite RV1250ULHW).....	1,414.93	
27 29 00 00-2332	EA		Internal/External SCSI 160 LVD Ribbon Cable HD68M/F(w Bracket) - 21" (Tripp Lite S051-21).....	32.50	
27 29 00 00-2333	EA		Internal SCSI 160 2-Drive LVD/SE Ribbon Cable w Terminator 3xHD68M - 22" (Tripp Lite S052-21I).....	81.25	
27 29 00 00-2334	EA		Internal SCSI 160 3-Drive Ribbon Cable w Terminator 4xHD68M - 36" (Tripp Lite S053-36I).....	104.00	
27 29 00 00-2335	EA		Internal SCSI 160 4-Drive Ribbon Cable w Terminator 5xHD68M - 45" (Tripp Lite S054-45I).....	131.30	
27 29 00 00-2336	EA		Internal SCSI 160 5-Drive LVD/SE Ribbon Cable w Terminator 6xHD68M - 38" (Tripp Lite S055-38I).....	156.00	
27 29 00 00-2337	EA		External Active SCSI II Single-end Terminator - HD50M (Tripp Lite S122-000).....	16.25	
27 29 00 00-2338	EA		External SCSI Ultra320 LVD Active Terminator - HD68M (Tripp Lite S140-000).....	130.00	
27 29 00 00-2339	EA		Internal SCSI Ultra320 LVD Active Terminator - VHDCI68M (Tripp Lite S142-000).....	139.75	
27 29 00 00-2340	EA		Internal SCSI Adapter HD68F/50F Socket IDC (Tripp Lite S212-000).....	13.00	
27 29 00 00-2341	EA		External SCSI II Adapter HD50M/DB25F (Tripp Lite S236-000).....	5.85	
27 29 00 00-2342	EA		SCSI II Cable HD50M/DB25M - 6' (Tripp Lite S362-006).....	20.31	
27 29 00 00-2343	EA		SCSI II Cable HD50M/M - 6' (Tripp Lite S366-006).....	58.50	
27 29 00 00-2344	EA		SCSI III Cable HD68M/M - 6' (Tripp Lite S404-006).....	65.00	
27 29 00 00-2345	EA		SCSI III to II Cable HD50M/HD68M - 6' (Tripp Lite S410-006).....	48.75	
27 29 00 00-2346	EA		SCSI III Cable VHDCI68M/HD50M - 6' (Tripp Lite S442-006).....	81.25	
27 29 00 00-2347	EA		SCSI III Cable VHDCI68M/HD68M - 6' (Tripp Lite S444-006).....	91.00	
27 29 00 00-2348	EA		SCSI III Cable VHDCI68M/M - 6' (Tripp Lite S446-006).....	94.25	
27 29 00 00-2349	EA		SCSI Ultra2/U160/U320 LVD/SE Cable HD68M/M - 10' (Tripp Lite S450-010).....	123.50	
27 29 00 00-2350	EA		SCSI Ultra2/U160/U320 LVD/SE Cable Offset -VHDCI68M/HD68M - 6' (Tripp Lite S454-006).....	159.25	
27 29 00 00-2351	EA		SCSI Ultra2/U160/U320 LVD/SE Cable - CHDCI68(M) / HD68(M) - 3' (Tripp Lite S455-003).....	123.50	
27 29 00 00-2352	EA		SCSI Ultra2/U160/U320 LVD/SE Cable VHDCI68M/HD68M - 6' (Tripp Lite S455-006).....	136.50	
27 29 00 00-2353	EA		SCSI Ultra2/U160/U320 LVD/SE Cable VHDCI68M/HD68M - 10' (Tripp Lite S455-010).....	169.00	
27 29 00 00-2354	EA		SCSI Ultra2/U160/U320 LVD/SE Cable Offset -VHDCI68M/M - 3' (Tripp Lite S456-003).....	162.50	
27 29 00 00-2355	EA		SCSI Ultra2/U160/U320 LVD/SE Cable VHDCI68M/M - 6' (Tripp Lite S457-006).....	139.75	
27 29 00 00-2356	EA		SCSI Ultra2/U160/U320 LVD/SE Cable VHDCI68M/M - 10' (Tripp Lite S457-010).....	169.00	
27 29 00 00-2357	EA		1 Meter (3') SAS Cable - SFF-8484 (Tripp Lite S500-01M).....	73.12	
27 29 00 00-2358	EA		24" Internal 4 Lane SAS Cable SFF-8484 to 4 x SFF-8482 TAA / GSA (Tripp Lite S501-24N).....	92.30	
27 29 00 00-2359	EA		1 Meter (3') SAS Cable - SFF-8484/ x4 Pin Straight (F) (Tripp Lite S502-01M).....	65.00	
27 29 00 00-2360	EA		Internal SAS 4-in-1 to 4x1 Cable, 32P to 4x7P - 20IN (Tripp Lite S502-20N).....	48.75	
27 29 00 00-2361	EA		24" Int 4 Lane Mini SAS Cable , SAS SFF-8087 to 4 x SFF-8482 TAA (Tripp Lite S504-24N).....	81.25	
27 29 00 00-2362	EA		Internal SAS mSAS (SFF-8087) to mSAS (SFF-8087) 36P/36P Cable - 3' (Tripp Lite S506-003).....	87.75	
27 29 00 00-2363	EA		Internal SAS mSAS (SFF-8087) to mSAS (SFF-8087) 36P/36P Cable - 18" (Tripp Lite S506-18N).....	78.00	
27 29 00 00-2364	EA		Internal SAS mSAS (SFF-8087) to (4) SATA (SFF-8482) 36P/(4) 7P Cable - 3' (Tripp Lite S508-003).....	78.00	
27 29 00 00-2365	EA		Internal SAS mSAS (SFF-8087) to (4) SATA (SFF-8482) 36P/(4) 7P Cable - 18" (Tripp Lite S508-18N).....	74.75	
27 29 00 00-2366	EA		Internal SAS mSAS (SFF-8087) to 4-in-1 (SFF-8484) 36P/32P Cable - 3' (Tripp Lite S510-003).....	117.00	
27 29 00 00-2367	EA		Internal SAS mSAS (SFF-8087) to 4-in-1 (SFF-8484) 36P/32P Cable - 18" (Tripp Lite S510-18N).....	100.75	
27 29 00 00-2368	EA		1 Meter External SAS Cable, SFF-8088 to SFF-8470 (Tripp Lite S520-01M).....	211.24	
27 29 00 00-2369	EA		External SAS Cable - 4 Lane - mSAS (SFF-8088) to 4xInfiniband (SFF-8470) - 2m (Tripp Lite S520-02M).....	324.99	
27 29 00 00-2370	EA		External SAS Cable - 4 Lane - mSAS (SFF-8088) to 4xInfiniband (SFF-8470) - 3m (Tripp Lite S520-03M).....	422.49	
27 29 00 00-2371	EA		1 Meter External SAS Cable, SFF-8470 to SFF-8470 (Tripp Lite S522-01M).....	211.24	
27 29 00 00-2372	EA		External SAS Cable - 4 Lane - 4xInfiniband (SFF-8470) to 4xInfiniband (SFF-8470) - 2m (Tripp Lite S522-02M).....	357.49	
27 29 00 00-2373	EA		External SAS Cable - 4 Lane - 4xInfiniband (SFF-8470) to 4xInfiniband (SFF-8470) - 3m (Tripp Lite S522-03M).....	454.99	
27 29 00 00-2374	EA		1-Meter External SAS Cable, SFF-8088 to SFF-8088 (Tripp Lite S524-01M).....	227.49	
27 29 00 00-2375	EA		External SAS Cable - 4 Lane - mSAS (SFF-8088) to mSAS (SFF-8088) - 2m (Tripp Lite S524-02M).....	324.99	
27 29 00 00-2376	EA		External SAS Cable - 4 Lane - mSAS (SFF-8088) to mSAS (SFF-8088) - 3m (Tripp Lite S524-03M).....	406.24	
27 29 00 00-2377	EA		Fibre/SCSI RAID Cable HSSDCM/DB9M - 5M (Tripp Lite S804-05M).....	243.74	
27 29 00 00-2378	EA		Security Device for Automatic Shutdown of Notebook. (Tripp Lite SEC4002RF).....	119.43	
27 29 00 00-2379	EA		Surge Protector Wallmount Direct Plug In 3 Outlet 660 Joules (Tripp Lite SK3-0).....	17.06	
27 29 00 00-2380	EA		Surge Protector Wallmount Direct Plug In 5 Outlet RJ11 1080 Jls (Tripp Lite SK5TEL-0).....	32.50	
27 29 00 00-2381	EA		6 outlets direct plug-in cord 360 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite SK6-0/SPIKEBLOK).....	44.69	
27 29 00 00-2382	EA		Holds 4 transformers (Black) (Tripp Lite SK6-0B).....	44.69	
27 29 00 00-2383	EA		8 outlets 8' cord 1200 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite SK6-6/SPIKEBAR).....	85.31	
27 29 00 00-2384	EA		TAA Compliant 1000VA UPS Smart Pro Rack/Tower 6 outlets (Tripp Lite SM1000RM2UTAA).....	1,645.27	
27 29 00 00-2385	EA		1000VA NAFTA Smart Pro Line-Int UPS Rackmount 6 outlets (Tripp Lite SM1000RMNAFTA).....	1,681.83	
27 29 00 00-2386	EA		1050VA NAFTA Smart Pro Line-Int UPS Tower 6 outlets (Tripp Lite SM1050NAFTA).....	1,382.03	
27 29 00 00-2387	EA		TAA Compliant 1500VA UPS Smart Pro Rack/Tower 8 outlets (Tripp Lite SM1500RMXL2UTAA).....	2,292.41	
27 29 00 00-2388	EA		2200VA NAFTA Smart Pro Line-Int UPS Tower 6 outlets (Tripp Lite SM2200NAFTA).....	2,486.19	
27 29 00 00-2389	EA		2200VA UPS Dual Voltage 120V - 230V TAA / GSA (Tripp Lite SM2200RMDVTAA).....	5,385.52	
27 29 00 00-2390	EA		2200VA NAFTA Smart Pro Line-Int UPS Rackmount 9 outlets (Tripp Lite SM2200RMNAFTA).....	3,136.99	
27 29 00 00-2391	EA		TAA Compliant 2200VA UPS Smart Pro Rack/Tower 8 outlets (Tripp Lite SM2200RMXL2UTAA).....	3,246.67	
27 29 00 00-2392	EA		3000VA NAFTA Smart Pro Line-Int UPS Tower 8 outlets (Tripp Lite SM3000NAFTA).....	3,572.07	
27 29 00 00-2393	EA		3000VA NAFTA Smart Pro Line-Int UPS Rackmount 9 outlets (Tripp Lite SM3000RMNAFTA).....	3,524.54	
27 29 00 00-2394	EA		TAA Compliant 3000VA UPS Smart Pro Rack/Tower 9 outlets (Tripp Lite SM3000RMXL2UTAA).....	3,795.09	
27 29 00 00-2395	EA		5000VA UPS Smart 120V - 208V 5kVA Ext USB DB9 6U RM TAA / GSA (Tripp Lite SM5000RT3UTAA).....	11,663.15	
27 29 00 00-2396	EA		500VA NAFTA Smart Pro Line-Int UPS Rackmount 7 outlets (Tripp Lite SM500RMNAFTA).....	749.51	
27 29 00 00-2397	EA		550VA NAFTA Smart Pro Line-Int UPS Tower 6 outlets (Tripp Lite SM550UNAFSA).....	409.49	
27 29 00 00-2398	EA		750VA NAFTA Smart Pro Line-Int UPS Tower 6 outlets (Tripp Lite SM750UNAFSA).....	530.14	
27 29 00 00-2399	EA		1050VA UPS System SmartPro Tower Line-Interactive 120V 6 Outlet - 1050 VA, 1 USB (Tripp Lite SMART 1050NET).....	1,012.76	
27 29 00 00-2400	EA		2200VA UPS System SmartPro Tower Network Line-Interactive 120V 6 Outlet - 2200 VA, 1 RS-232, 2 Contact Closure (Tripp Lite SMART 2200NET).....	2,405.75	



MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2401	EA 3000VA UPS System SmartPro Tower Network Line-Interactive 3kVA 120 Volt 8 Outlet - 3000 VA 1 RS-232, 2 Contact Closure (Tripp Lite SMART 3000NET).....	3,107.74	
	Note: Use BP24V33 for Extended Run		
27 29 00 00-2402	EA 700VA UPS System SmartPro Hospital Grade Tower Line-Interactive 120V 4 Outlet - 700 VAUL 60601-1 Listed, 1 RS-232, 1 USB (Tripp Lite SMART 700HG).....	1,791.52	
27 29 00 00-2403	EA 1000VA UPS System SmartPro Rack/Shelf/Tower Digital LCD Line-Interactive 120V 8 Outlet - 1000 VA, 1 USB, 1 Line Modem/Fax, 1 Line Coax (Tripp Lite SMART1000LCD).....	464.33	
27 29 00 00-2404	EA TAA Compliant 1000VA UPS Digital Smart Pro Rack/Tower 8 outlets (Tripp Lite SMART1000LCDTAA).....	610.58	
27 29 00 00-2405	EA 1000VA UPS System SmartPro Rack/Tower Line-Interactive 120V 6 Outlet - 1000VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1000RM1U).....	1,659.90	
27 29 00 00-2406	EA 1000VA UPS System SmartPro Rack/Tower Line-Interactive 120V 6 Outlet - 1000VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1000RM2U).....	1,462.46	
27 29 00 00-2407	EA 1050VA UPS System SmartPro Tower Line-Interactive 120 Volt, 8 Outlet And Slot - 1050 VA, 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1050SLT).....	1,188.25	
27 29 00 00-2408	EA TAA Compliant 1050VA UPS Smart Pro Tower 6 outlets And Comm Ports (Tripp Lite SMART1050SLTAA).....	1,316.22	
27 29 00 00-2409	EA 1200VA UPS System SmartPro Rack/Shelf/Tower Digital LCD Line-Interactive 120V 8 Outlet - 1200 VA, 1 USB, 1 DB9, 1 Line Modem/Fax/Ethernet (Tripp Lite SMART1200LCD).....	628.86	
27 29 00 00-2410	EA 1000VA UPS System SmartPro Hospital Grade Extended Run Tower Line-Interactive 120 Volt 4 Outlet - 1000 VAUL 60601-1 Listed, 1 RS-232, 1 USB (Tripp Lite SMART1200XLHG).....	2,323.69	
	Note: Use BP36V27 for Extended Run		
27 29 00 00-2411	EA 1500VA UPS System SmartPro Tower Line-Interactive 120V 6 Outlet - 1500 VA, 1 RS-232, 1 USB (Tripp Lite SMART1500).....	1,462.46	
27 29 00 00-2412	EA 1500VA UPS Compact 4U RM Smart Pro Line-Interactive 8 outlets 120V (Tripp Lite SMART1500CRMXL).....	2,705.56	
27 29 00 00-2413	EA 1500VA UPS System SmartPro Rack/Shelf/Tower Digital LCD Line-Interactive 120V 8 Outlet - 1500 VA, 1 USB, 1 DB9, 1 Line Modem/Fax/Ethernet (Tripp Lite SMART1500LCD).....	727.58	
27 29 00 00-2414	EA 1500VA 900W UPS Back Up Smart Tower LCD AVR 120V USB Coax RJ45 (Tripp Lite SMART1500LCDT).....	606.92	
27 29 00 00-2415	EA 1500VA UPS Smart LCD AVR 120V Ext Run USB DB9 RJ11 RJ45 2U RM (Tripp Lite SMART1500LCDXL).....	914.04	
27 29 00 00-2416	EA 1500VA UPS System SmartPro Rack/Tower Line-Interactive 120V 8 Outlet - 1500VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1500RM2U).....	1,908.52	
27 29 00 00-2417	EA 1500VA UPS System SmartPro Rack/Tower Extended Run Line-Interactive 120 Volt 8 Outlet - 1500 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1500RMXL2U).....	2,105.95	
	Note: Use BP36V15-2U or BP36V42-3U for Extended Run		
27 29 00 00-2418	EA 1500VA UPS System SmartPro Tower Line-Interactive 120 Volt, 8 Outlet And Slot - 1500 VA, 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1500SLT).....	1,608.71	
27 29 00 00-2419	EA 1500VA UPS System SmartPro Tower Extended Run Line-Interactive 120 Volt 6 Outlet - 1500 VA 1 RS-232, 1 USB (Tripp Lite SMART1500XL).....	1,740.33	
	Note: Use BP36V27 for Extended Run		
27 29 00 00-2420	EA TAA Compliant 1500VA UPS Smart Pro Tower Ext Run 6 outlets (Tripp Lite SMART1500XLTAA).....	1,901.20	
27 29 00 00-2421	EA 2200VA UPS Compact 4U RM Smart Pro Line-Interactive 8 outlets 120V (Tripp Lite SMART2200CRMXL).....	3,601.32	
27 29 00 00-2422	EA 2200VA UPS Smart Pro Rack/Tower Line-Interactive 8 outlets (Tripp Lite SMART2200RM2U).....	2,862.77	
27 29 00 00-2423	EA 2200VA UPS System SmartPro Rack/Tower Line-Interactive 120 Volt 8 Outlet - 2200 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMART2200RMXL2U).....	2,943.21	
	Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run		
27 29 00 00-2424	EA 2200VA UPS System SmartPro Tower Line-Interactive 120V 7 Outlet - 2200 VA, 1 USB, 1 DB9, SNMP Slot (Tripp Lite SMART2200SLT).....	2,460.60	
27 29 00 00-2425	EA TAA Compliant 2200VA UPS Smart Pro Tower 7 outlets And Comm Ports (Tripp Lite SMART2200SLTAA).....	2,712.87	
27 29 00 00-2426	EA 2200VA UPS System SmartPro Tower VS Line-Interactive 120V 9 Outlet - 2200 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMART2200VS).....	2,193.70	
27 29 00 00-2427	EA 2200VA UPS System SmartPro Tower Extended Run Line-Interactive 120 Volt 10 Outlet - 2200 VA 2 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART2200VSXL).....	2,478.88	
	Note: Use BP48V18 for Extended Run		
27 29 00 00-2428	EA 2600VA UPS System SmartPro Rack/Tower Line-Interactive 120 Volt 9 Outlet - 2600 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMART2600RM2U).....	3,158.92	
	Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run		
27 29 00 00-2429	EA 3000VA UPS Compact 4U RM Smart Pro Line-Interactive 9 outlets 120V (Tripp Lite SMART3000CRMXL).....	4,321.58	
27 29 00 00-2430	EA 3000VA UPS System SmartPro Rack/Tower Line-Interactive 3kVA 120 Volt 9 Outlet - 3000 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMART3000RM2U).....	3,316.14	
	Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run		
27 29 00 00-2431	EA 3,000VA Modular UPS Rack/Tower Line-Interactive With Battery Detection 7 Outlets (Tripp Lite SMART3000RMOD2U).....	4,109.52	
27 29 00 00-2432	EA 3000VA UPS System SmartPro Rack/Tower Line-Interactive 3kVA 120V 9 Outlet USB, serial, EPO, SNMP Slot (Tripp Lite SMART3000RMXL2U).....	3,374.64	
27 29 00 00-2433	EA 3000VA UPS System SmartPro Tower Line-Interactive 120V 7 Outlet - 3000 VA, 1 USB, 1 DB9, SNMP Slot (Tripp Lite SMART3000SLT).....	3,286.89	
27 29 00 00-2434	EA 3000VA UPS System SmartPro Tower VS Line-Interactive 3kVA 120 Volt 10 Outlet - 3000 VA2 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART3000VS).....	2,892.02	
	Note: Use BP48V18 for Extended Run		
27 29 00 00-2435	EA 5000VA UPS System SmartPro Rack/Tower Line-Interactive 5kVA 120/208 Volt Output 14 Outlet - 5000 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMART5000RT-3U).....	9,246.43	
	Note: Use BP48V60RT-3U for Extended Run		
27 29 00 00-2436	EA 5000VA UPS System SmartPro Rack/Tower Line-Interactive 5kVA 120V/208V Output 5 Outlet TEL - 5000 VA 1 RS-232, 1 USB, 1 DB9, SNMP Slot (Tripp Lite SMART5000TEL3U).....	7,122.20	
27 29 00 00-2437	EA 5000VA UPS System SmartPro Rack/Tower Line-Interactive 5kVA 120/208 Volt Output 11 Outlet - 5000 VA 1 RS-232, 1 USB, 1 DB9, SNMP Slot (Tripp Lite SMART5000XFMRLX).....	8,895.44	
	Note: Use BP48V60RT-3U for Extended Run		
27 29 00 00-2438	EA 500VA UPS System SmartPro Rack/Tower Line-Interactive 120V 7 Outlet - 500VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART500RT1U).....	577.67	
27 29 00 00-2439	EA 550VA UPS System SmartPro Tower USB Line-Interactive 120V 6 Outlet - 550 VA, 1 USB, 1 Line Modem/Fax (Tripp Lite SMART550USB).....	369.27	
27 29 00 00-2440	EA TAA Compliant 550VA UPS Smart Pro Tower 6 outlets And USB Port (Tripp Lite SMART550USBTAA).....	442.40	
27 29 00 00-2441	EA 550VA UPS System SmartPro Tower USB Line-Interactive 120 Volt, 6 Outlet With Watchdog Software - 550VA, 1 USB, 1 Line Modem/Fax (Tripp Lite SMART550USBWD).....	424.11	
27 29 00 00-2442	EA 700VA UPS System SmartPro Tower Line-Interactive Dual Voltage 6 Outlet 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART700DV).....	2,339.94	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2443	EA		700VA UPS System SmartPro Tower Line-Interactive 120 Volt, 6 Outlet And Serial Port - 700 VA, 1 RS-232 (Tripp Lite SMART700SER) .....	797.04	
27 29 00 00-2444	EA		750VA UPS System SmartPro Tower Line-Interactive 120V 6 Outlet. 1 USB (Tripp Lite SMART750).....	753.17	
27 29 00 00-2445	EA		750VA UPS System SmartPro Rack/Tower Line-Interactive 120V 6 Outlet - 750 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART750RM1U).....	1,297.94	
27 29 00 00-2446	EA		750VA UPS System SmartPro Rack/Tower Extended Run Line-Interactive 120 Volt 6 Outlet - 750VA 1 RS-232, 1 USB, SNMP Slot, (Tripp Lite SMART750RMXL2U).....	1,338.15	
27 29 00 00-2447	EA		Note: Use BP24V28-2U or BP24V70-3U for Extended Run 750VA UPS System SmartPro Tower Line-Interactive 120 Volt, 8 Outlet And Slot - 750 VA, 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART750SLT).....	972.54	
27 29 00 00-2448	EA		750VA UPS System SmartPro Tower USB Line-Interactive 120V 6 Outlet - 750 VA, 1 USB, 1 Line Modem/Fax/Ethernet (Tripp Lite SMART750USB).....	453.36	
27 29 00 00-2449	EA		TAA Compliant 750VA UPS Smart Pro Tower 6 Outlets And USB Port (Tripp Lite SMART750USBTAA) .....	508.21	
27 29 00 00-2450	EA		750VA UPS Smart Pro Tower Ext Run Line-Interactive 8 outlets (Tripp Lite SMART750XLA).....	1,210.19	
27 29 00 00-2451	EA		1500VA International UPS System SmartPro Tower Line-Interactive 230V 6 Outlet - 1500 VA, 2 RS-232 (Tripp Lite SMARTINT1500) .....	1,508.98	
27 29 00 00-2452	EA		2200VA International UPS System SmartPro Tower VS Line-Interactive 230V 9 Outlet - 2200 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMARTINT2200VS).....	2,327.15	
27 29 00 00-2453	EA		3000VA International UPS System SmartPro Tower VS Line-Interactive 3kVA 230 Volt 9 Outlet - 3000 VA 2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMARTINT3000VS).....	3,403.88	
27 29 00 00-2454	EA		Note: Use BP48V18 for Extended Run 1000VA International UPS System SmartPro Rack/Tower Digital LCD 230V Line-Interactive 6 Outlet - 1000 VA 1 USB, 1 Line-Modem/Fax, 1 Line Coax (Tripp Lite SMX1000LCD) .....	702.39	
27 29 00 00-2455	EA		1000VA International UPS System SmartPro Rack/Tower Line-Interactive 230V 6 Outlet - 1000 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMX1000RT2U) .....	1,663.35	
27 29 00 00-2456	EA		1050VA International UPS System SmartPro Tower Line-Interactive 230V 8 Outlet - 1000 VA, 1 USB, 1 DB9, SNMP Slot. (Tripp Lite SMX1050SLT).....	1,261.98	
27 29 00 00-2457	EA		1200VA Intl UPS Smart Pro Tower Hospital Grd Extended Run Line-Interactive 6 IEC C13 (Tripp Lite SMX1200XLHG).....	2,184.35	
27 29 00 00-2458	EA		1500VA International UPS System SmartPro Rack/Tower Digital LCD 230V Line-Interactive 6 Outlet - 1500 VA 1 USB, 1 Line-Modem/Fax, 1 Line Coax (Tripp Lite SMX1500LCD) .....	1,022.71	
27 29 00 00-2459	EA		1500VA International UPS System SmartPro Tower Line-Interactive 230V 8 Outlet - 1500 VA, 1 USB, 1 DB9, SNMP Slot. (Tripp Lite SMX1500SLT).....	1,597.74	
27 29 00 00-2460	EA		1500VA International UPS System SmartPro Rack/Tower Line-Interactive 230 Volt 8 Outlet - 1500 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMX1500XLRT2U) .....	2,269.26	
27 29 00 00-2461	EA		Note: Use BP36V15-2U for Extended Run TAA Compliant 2200VA Intl UPS Smart Pro Rack/Tower 8 outlets 230V (Tripp Lite SMX2200RT2UTAA).....	3,523.52	
27 29 00 00-2462	EA		2200VA International UPS System SmartPro Rack/Tower Line-Interactive 230 Volt 8 Outlet - 2200 VA 1 RS-232, 1 USB, 1 DB9, SNMP Slot (Tripp Lite SMX2200XLRT2U) .....	3,234.08	
27 29 00 00-2463	EA		Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run TAA Compliant 3000VA Intl UPS Smart Pro Rack/Tower 9 outlets 230V (Tripp Lite SMX3000RT2UTAA).....	4,160.30	
27 29 00 00-2464	EA		3000VA International UPS System SmartPro Rack/Tower Line-Interactive 3kVA 230 Volt 9 Outlet - 3000 VA 2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMX3000XLRT2U) .....	3,820.69	
27 29 00 00-2465	EA		Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run 5000VA International UPS System SmartPro Rack/Tower Line-Interactive 5kVA 230 Volt 11 Outlet - 5000 VA 1 RS-232, 1 USB, 1 DB9, SNMP Slot (Tripp Lite SMX5000XLRT3U) .....	6,830.93	
27 29 00 00-2466	EA		Note: Use BP48V60RT-3U for Extended Run 500VA International UPS System SmartPro Rack/Tower Line-Interactive 230V 6 Outlet - 500 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMX500RT1U) .....	725.54	
27 29 00 00-2467	EA		700VA Intl UPS Smart Pro Tower Hospital Grade Line-Interactive 6 IEC320 C13 (Tripp Lite SMX700HG).....	1,701.94	
27 29 00 00-2468	EA		750VA International UPS System SmartPro Tower Line-Interactive 230V 8 Outlet - 750 VA1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMX750SLT).....	1,049.72	
27 29 00 00-2469	EA		Internal Universal SNMP/Web management accessory card connects UPS to Ethernet. (Tripp Lite SNMPWEBCARD).....	710.92	
27 29 00 00-2470	EA		TAA Compliant Internal SNMP Card for Remote UPS Management (Tripp Lite SNMPWEBCARDTAA) .....	812.48	
27 29 00 00-2471	EA		1 outlets direct plug-in cord 750 joules Protect It! Surge Suppressor holds 1 Transformer (Tripp Lite SPIKECUBE) .....	19.01	
27 29 00 00-2472	EA		Surge Protector Hospital Grade 4 Outlet UL60601-1 UL60950-1 (Tripp Lite SPS415HGULTRA) .....	410.30	
27 29 00 00-2473	EA		Surge Protector Strip Medical RT Angle Plug 6 Outlet 6ft Cord (Tripp Lite SPS606HGRA) .....	239.68	
27 29 00 00-2474	EA		Surge Protector Strip Medical RT Angle Plug 6 Outlet 10ft Cord (Tripp Lite SPS610HGRA) .....	243.74	
27 29 00 00-2475	EA		Economy Surge Suppressor. 15 ft. cord. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite SPS-615-HG).....	235.62	
27 29 00 00-2476	EA		12U Rack Enclosure Server Cabinet 33" Deep With Doors And Sides (Tripp Lite SR12UB).....	1,645.27	
27 29 00 00-2477	EA		SmartRack 1U Horizontal Brush Strip (Tripp Lite SR1UBRUSH) .....	100.54	
27 29 00 00-2478	EA		SmartRack 10pcs 1U Blanking Panel (Tripp Lite SR1UPANEL10).....	127.97	
27 29 00 00-2479	EA		SmartRack 50pcs 1U Blanking Panel (Tripp Lite SR1UPANEL50).....	402.18	
27 29 00 00-2480	EA		25U Standard Enclosure (black). 24 in. width 42 in. depth (Tripp Lite SR25UB) .....	3,100.42	
27 29 00 00-2481	EA		24" Wide x 42" Deep, SmartRack 25U with Sides 1250lb Load Cap Shock Pallet And Ramp. (Tripp Lite SR25UBSP1).....	3,740.25	
27 29 00 00-2482	EA		TAA Compliant 25U Black Rack Enclosure 3000lb Load Capacity (Tripp Lite SR25UBTAA) .....	3,634.22	
27 29 00 00-2483	EA		2-Post Open Frame Rack, Threaded Holes (black). 45U (Tripp Lite SR2POST).....	511.86	
27 29 00 00-2484	EA		SmartRack 2-Post Open Frame Rack (25U) (Tripp Lite SR2POST25).....	475.30	
27 29 00 00-2485	EA		TAA Compliant 45U 2-Post Black Open Frame Rack (Tripp Lite SR2POSTAA) .....	588.64	
27 29 00 00-2486	EA		Side panel for 42U cabinets (Tripp Lite SR42SIDE) .....	237.65	
27 29 00 00-2487	EA		42U Standard Enclosure (black). 24 in. width 42 in. depth (Tripp Lite SR42UB) .....	3,462.38	
27 29 00 00-2488	EA		42U SmartRack Enclosure Co-Location (black, with doors and side panels) 2.250 rolling to 3,000 LB stationary load capacity. 24" width x 37" depth (Tripp Lite SR42UBCL) .....	6,003.41	
27 29 00 00-2489	EA		42U Rack Enclosure Server Cabinet Deep 3000lb Load Capacity (Tripp Lite SR42UBDP) .....	4,848.07	
27 29 00 00-2490	EA		42U Rack Enclosure Server Cabinet Deep/Wide 3000lb Load Capacity (Tripp Lite SR42UBDPWD) .....	6,032.66	
27 29 00 00-2491	EA		42U Rack Enclosure Server Cabinet Industrial NEMA 12 Seismic (Tripp Lite SR42UBEIS) .....	6,526.25	
27 29 00 00-2492	EA		42U Standard Enclosure (black, without side panels). 24 in. width 42 in. depth (Tripp Lite SR42UBEXP).....	3,038.27	
27 29 00 00-2493	EA		42U Open Frame Rack Enclosure Server Cabinet 3000lb Capacity (Tripp Lite SR42UBEXPND) .....	2,683.62	
27 29 00 00-2494	EA		42U Rack Enclosure Server Cabinet With Plexiglass Front Door (Tripp Lite SR42UBG) .....	3,948.65	
27 29 00 00-2495	EA		SmartRack 42U Knock-Down Black Rack Enclosure with 2250 to 3000 lb load capacity. 23.63 in. width 43 in. depth (Tripp Lite SR42UBKD) .....	3,169.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2496 EA 42U Rack Enclosure Shallow Depth w Doors And Sides 3,000 Lb. Capacity (Tripp Lite SR42UBSD).....	3,528.19	
27 29 00 00-2497 EA 24" Wide x 42" Deep, SmartRack 42U With Sides 2500lb Load Cap Shock Pallet And Ramp. (Tripp Lite SR42UBSP1).....	4,087.59	
27 29 00 00-2498 EA TAA Compliant 42U Black Rack Enclosure 3000lb Load Capacity (Tripp Lite SR42UBTAA).....	4,098.56	
27 29 00 00-2499 EA 42U Rack Enclosure Server Cabinet Thermal Duct Green Cooling (Tripp Lite SR42UBTD).....	4,753.01	
27 29 00 00-2500 EA 42U SmartRack Enclosure WIDE (black, with doors and side panels) 2,250 rolling to 3,000 LB stationary load capacity. 29.5" width x 37" depth (Tripp Lite SR42UBWD).....	4,453.20	
27 29 00 00-2501 EA TAA Compliant 42U Wide Rack Enclosure 3000lb Load Capacity (Tripp Lite SR42UBWDTAA).....	4,877.32	
27 29 00 00-2502 EA 42U Rack Enclosure Server Cabinet Seismic (Tripp Lite SR42UBZ4).....	6,526.25	
27 29 00 00-2503 EA 45U Rack Enclosure Server Cabinet Doors And Sides 3,000 Lb. Capacity (Tripp Lite SR45UB).....	3,977.90	
27 29 00 00-2504 EA SmartRack 48U Black Rack Enclosure with 2250 to 3000 lb load capacity. 23.63 in. width 43 in. depth (Tripp Lite SR48UB).....	4,295.99	
27 29 00 00-2505 EA 48U SmartRack Enclosure Co-Location (black, with doors and side panels) 2,250 rolling to 3,000 LB stationary load capacity. 24" width x 37" depth (Tripp Lite SR48UBCL).....	7,283.07	
27 29 00 00-2506 EA 48U SmartRack Enclosure Expansion (black, with doors, No side panels) 2250 rolling to 3000lb stationary load capacity. 24 in. width 37 in. depth (Tripp Lite SR48UBEXP).....	3,568.41	
27 29 00 00-2507 EA SmartRack 48U Rack Enclosure on Shock Pallet with 3,000 LB Load Capacity (Tripp Lite SR48UBSP1).....	4,979.69	
27 29 00 00-2508 EA TAA Compliant 48U Black Rack Enclosure 3000lb Load Capacity (Tripp Lite SR48UBTAA).....	4,610.42	
27 29 00 00-2509 EA 4-Post Open Frame Rack, Square Holes (black). Adjustable depth. 45U 24-36in. depth (Tripp Lite SR4POST).....	1,155.35	
27 29 00 00-2510 EA 45U 4-Post Open Frame Rack Cabinet Threaded 12-24 Mounted Holes (Tripp Lite SR4POST1224).....	1,279.66	
27 29 00 00-2511 EA SmartRack 4-Post Open Frame Rack (13U) (Tripp Lite SR4POST13).....	800.70	
27 29 00 00-2512 EA 25U 4-Post Open Frame Rack Square Holes 1000lb Capacity (Tripp Lite SR4POST25).....	1,042.01	
27 29 00 00-2513 EA TAA Compliant 45U 4-Post Black Open Frame Rack (Tripp Lite SR4POSTAA).....	1,553.87	
27 29 00 00-2514 EA SmartRack Bolt Down Kit (Tripp Lite SRBOLTDOWN).....	109.68	
27 29 00 00-2515 EA Brush Strip Plate for Wallmount Rack Enclosure Server Cabinet (Tripp Lite SRBRUSHWM).....	109.68	
27 29 00 00-2516 EA SmartRack 1U Horizontal Cable Manager (finger) (Tripp Lite SRCABLEDUCT1U).....	142.59	
27 29 00 00-2517 EA Rack Enclosure Horizontal Cable Manager Steel w Finger Duct 1URM (Tripp Lite SRCABLEDUCT1UHD).....	160.87	
27 29 00 00-2518 EA Rack Enclosure Horizontal Cable Manager Steel w Finger Duct 2URM (Tripp Lite SRCABLEDUCT2UHD).....	219.37	
27 29 00 00-2519 EA SmartRack 6ft Vertical Cable Manager (finger) (Tripp Lite SRCABLEDUCTVRT).....	402.18	
27 29 00 00-2520 EA SmartRack Cable Ladder 12" x 10" (Tripp Lite SRCABLELADDER).....	555.74	
27 29 00 00-2521 EA SmartRack 1U Horizontal Cable Manager (ring) (Tripp Lite SRCABLERING1U).....	113.34	
27 29 00 00-2522 EA SmartRack 2U Horizontal Cable Manager (ring) (Tripp Lite SRCABLERING2U).....	124.31	
27 29 00 00-2523 EA SmartRack 6ft Vertical Cable Manager (ring) (Tripp Lite SRCABLERINGVRT).....	329.05	
27 29 00 00-2524 EA SmartRack Roof Mount Cable Trough (Tripp Lite SRCABLETRAY).....	252.28	
27 29 00 00-2525 EA SmartRack Expansion Lid for Above Cable Trough (Tripp Lite SRCABLETRAYEXP).....	212.06	
27 29 00 00-2526 EA 6ft Vertical Cable Manager for Open Frame Rack 12in Wide (Tripp Lite SRCABLEVRT12).....	1,169.97	
27 29 00 00-2527 EA 6ft Vertical Cable Manager for Open Frame Rack 3in Wide (Tripp Lite SRCABLEVRT3).....	614.23	
27 29 00 00-2528 EA 6ft Vertical Cable Manager for Open Frame Rack 6in Wide (Tripp Lite SRCABLEVRT6).....	848.23	
27 29 00 00-2529 EA SmartRack Cage Nut Kit (Tripp Lite SRCAGENUTS).....	91.40	
27 29 00 00-2530 EA SmartRack Caster Kit for SR4POST to be Mobile (Tripp Lite SRCASTER).....	215.71	
27 29 00 00-2531 EA Rack Enclosure Cabinet Heavy Duty Mobile Rolling Caster Kit (Tripp Lite SRCASTERHDKIT).....	340.02	
27 29 00 00-2532 EA SmartRack Combination Lock/Door Handle (2 pack) (Tripp Lite SRCOMBO).....	522.83	
27 29 00 00-2533 EA Portable Cooling Unit / Air Conditioner 3.4kW, 120 Volt, 60 Hertz, 12,000 BTU (Tripp Lite SRCOOL12K).....	2,230.26	
27 29 00 00-2534 EA Rack Cooling / In Row Air Conditioner 208 Volt/240 Volt, 50/60 Hertz, 33,000 BTU (Tripp Lite SRCOOL33K).....	32,101.08	
27 29 00 00-2535 EA SmartRack Extension Ring for 25U, 42U And 48U Enclosures (Tripp Lite SREXTENDER).....	1,096.85	
27 29 00 00-2536 EA SmartRack 3U Fan Panel (Tripp Lite SRFAN3U).....	457.02	
27 29 00 00-2537 EA SmartRack Roof Mount Fan for Airflow Management (Tripp Lite SRFANROOF).....	844.57	
27 29 00 00-2538 EA Wallmount Rack Enclosure Cooling Roof Fan Kit 120V 5-15P (Tripp Lite SRFANWM).....	215.71	
27 29 00 00-2539 EA Rack Enclosure Server Cabinet Filter Kit 25U / 42U / 45U / 48U (Tripp Lite SRFILTER).....	201.09	
27 29 00 00-2540 EA SmartRack Airflow Optimization (Tripp Lite SRGASKET).....	215.71	
27 29 00 00-2541 EA 42U Rack Enclosure Server Cabinet Copper Bus Grounding Bar (Tripp Lite SRGROUND).....	325.40	
27 29 00 00-2542 EA Rack Roof Hardware Kit Connecting SRCABLELADDER to Wall or Open Frame Rack (Tripp Lite SRLADDERATTACH).....	111.51	
27 29 00 00-2543 EA SmartRack Threaded Hole Hardware Kit (Tripp Lite SRSCREWS).....	38.39	
27 29 00 00-2544 EA SmartRack Fixed 2U Cantilever Shelf (Tripp Lite SRSHELF2P).....	157.21	
27 29 00 00-2545 EA Fixed 1U Cantilever Shelf for 2-Post / 4-Post Rack Enclosure (Tripp Lite SRSHELF2P1U).....	149.90	
27 29 00 00-2546 EA SmartRack Heavy Duty Fixed Shelf (Tripp Lite SRSHELF4PHD).....	263.24	
27 29 00 00-2547 EA SmartRack Keyboard Shelf (Tripp Lite SRSHELF4PKYBD).....	581.33	
27 29 00 00-2548 EA SmartRack Standard Sliding Shelf (Tripp Lite SRSHELF4PSL).....	526.49	
27 29 00 00-2549 EA SmartRack Heavy Duty Sliding Shelf (Tripp Lite SRSHELF4PSLHD).....	983.51	
27 29 00 00-2550 EA SmartRack Skirt for Bottom of Racks to Minimize Airflow (Tripp Lite SRSKIRT).....	153.56	
27 29 00 00-2551 EA SmartRack Anti-Tip Stabilizer Plate (Tripp Lite SRSTABILIZE).....	193.78	
27 29 00 00-2552 EA SmartRack Magnetic Door Switch (2 pack) (Tripp Lite SRSWITCH).....	127.97	
27 29 00 00-2553 EA 42U - 48U Rack Enclosure Cabinet Thermal Duct Passive Cooling (Tripp Lite SRTHERMDUCT).....	1,535.59	
27 29 00 00-2554 EA 10U Wall mount Rack Enclosure Cabinet With Door and Side Panels (Tripp Lite SRW10US).....	1,096.85	
27 29 00 00-2555 EA 12U Wall Mount Rack Enclosure Cabinet With Door And Side Panels (Tripp Lite SRW12U).....	987.16	
27 29 00 00-2556 EA SmartRack 12U Wall Mount Enclosure with Doors and Side Panels (Tripp Lite SRW12US).....	1,133.41	
27 29 00 00-2557 EA 12U Wall mount Rack Enclosure Cabinet With 33" Extended Depth (Tripp Lite SRW12US33).....	1,645.27	
27 29 00 00-2558 EA 12U Wall mount Rack Enclosure Cabinet With Plexiglass Front Door (Tripp Lite SRW12USG).....	1,206.53	
27 29 00 00-2559 EA 12U Wall Mount Rack Enclosure Hinged Wallmount Industrial NEMA (Tripp Lite SRW12USNEMA).....	2,084.01	
27 29 00 00-2560 EA 18U Wall mount Rack Enclosure Cabinet With Door and Side Panels (Tripp Lite SRW18US).....	1,736.68	
27 29 00 00-2561 EA 26U Wall mount Rack Enclosure Cabinet With Door and Side Panels (Tripp Lite SRW26US).....	2,339.94	
27 29 00 00-2562 EA 6U Wall mount Rack Enclosure Cabinet With Door And Side Panels (Tripp Lite SRW6U).....	548.42	
27 29 00 00-2563 EA 9U Wall Mount Rack Enclosure Cabinet With Door And Side Panels (Tripp Lite SRW9U).....	731.23	
27 29 00 00-2564 EA 5U Wall Mount Low Profile Secure Rack Enclosure Cabinet Vertical (Tripp Lite SRWF5U).....	1,096.85	
27 29 00 00-2565 EA 12U Wall Mount Pivoting Open Frame Rack Cabinet Hinged (Tripp Lite SRW012US).....	548.42	
27 29 00 00-2566 EA Wall Mount 2-Post Open Frame Rack Cabinet 8U / 14U / 22U (Tripp Lite SRW08U22).....	365.62	
27 29 00 00-2567 EA Portable Cooling Unit / Air Conditioner 3.4kW, 230 Volt, 50 Hertz, 12,000 BTU (Tripp Lite SRXCool12K).....	2,431.35	
27 29 00 00-2568 EA SmartRack 3U Fan Panel (230V) (Tripp Lite SRXFAN3U).....	460.68	
27 29 00 00-2569 EA SmartRack Roof Mount Fan (230V) (Tripp Lite SRXFANROOF).....	804.36	
27 29 00 00-2570 EA 16 outlets 15' cord 450 joules Multiple Outlet Strip with Surge 15-Amperes (Tripp Lite SS7415-15).....	198.25	
27 29 00 00-2571 EA 16 outlets 15' cord 450 joules Multiple Outlet Strip with Surge 15-Amperes (Tripp Lite SS7619-15).....	226.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 29 00 00-2572	EA		6 outlets 6' cord 360 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite STIKER) .....	49.56	
27 29 00 00-2573	EA		7 outlets 6' cord 750 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite STRIKER) .....	43.87	
27 29 00 00-2574	EA		10000VA UPS System SmartOnline Rack/Tower PureSine 10kVA 200V-240V Output 6 Outlet - 10000 VA Detachable Bypass PDU, 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU10000RT3U) .....	15,067.04	
27 29 00 00-2575	EA		10000VA UPS System SmartOnline Rack/Tower PureSine 10kVA Transformer 120V/208V Output Hardwire - 10000 VA Detachable Bypass PDU, 1 RS-232, 1 USB, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU10000RT3U2TF) .....	18,266.18	
27 29 00 00-2576	EA		10000VA Global Smart Online UPS RM 6U (6)C19 outlets 10kVA 200/240V (Tripp Lite SU10000RT3UG) .....	15,483.84	
27 29 00 00-2577	EA		1000VA UPS System SmartOnline Rack/Tower PureSine 120 Volt 6 Outlet - 1000VA1 RS-232, 1 USB, SNMP Slot, (Tripp Lite SU1000RTL2UA) .....	1,824.42	
			Note: Use BP24V28-2U or BP24V70-3U for Extended Run		
27 29 00 00-2578	EA		1000VA 900W UPS Smart Online Rackmount LCD 100V-120V USB 2URM (Tripp Lite SU1000RTLCD2U) .....	2,190.04	
27 29 00 00-2579	EA		1000VA UPS System SmartOnline Tower Extended Run PureSine 120 Volt 6 Outlet - 1000 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SU1000XLA) .....	1,586.77	
			Note: Use BP24V14 or BP24V34 for Extended Run		
27 29 00 00-2580	EA		10000VA International UPS System SmartOnline Tower PureSine 3-Phase 10kVA Hardwire - 10000 VA1 RS-232, 1 DB9, 1 AS-400, SNMP Slot, Use BP240V10RT-3U or BP240V33 for Extended Run (Tripp Lite SU10K3/1X) .....	15,630.08	
27 29 00 00-2581	EA		10kVA Intl 3-Phase Smart Online UPS for Data Centers And Large Networks (Tripp Lite SU10KRT3/1X) .....	14,807.45	
27 29 00 00-2582	EA		10000VA UPS System SmartOnline Rack/Tower PureSine 10kVA 200V-240V/120V Output Hardwire - 10000 VA Auto Sensing 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU10KRT3U) .....	18,021.21	
27 29 00 00-2583	EA		10000VA UPS System SmartOnline Rack/Tower PureSine HIGH Voltage 10kVA 200V-240V Output Hardwire - 10000 VA Auto Sensing 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU10KRT3UHV) .....	14,452.80	
27 29 00 00-2584	EA		12000VA UPS Smart Online Hot Swap 8U RM 12kVA 120-240V (Tripp Lite SU12000RT4U) .....	21,553.06	
27 29 00 00-2585	EA		12000VA UPS Smart Online Hot Swap Hard Wire 8U RM 12kVA 120-240V (Tripp Lite SU12000RT4UHW) .....	21,553.06	
27 29 00 00-2586	EA		12000VA UPS Smart Online Hard Wire Hot Swap 8U RM 12kVA 200-240V (Tripp Lite SU12KRT4UHW) .....	20,138.13	
27 29 00 00-2587	EA		1500VA NAFTA Smart Online PureSine UPS Rackmount 6 outlets (Tripp Lite SU1500RMNAFTA) .....	3,034.61	
27 29 00 00-2588	EA		1500VA UPS System SmartOnline Rack/Tower PureSine 120 Volt 6 Outlet - 1500 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SU1500RTL2UA) .....	2,336.29	
			Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run		
27 29 00 00-2589	EA		1500VA 1350W UPS Smart Online Rackmount LCD 100V-120V USB 2URM (Tripp Lite SU1500RTLCD2U) .....	2,921.27	
27 29 00 00-2590	EA		1500VA UPS Smart Online Tower Extended Run PureSine 6 outlet (Tripp Lite SU1500XL) .....	2,190.04	
27 29 00 00-2591	EA		16000VA UPS System SmartOnline Rack/Tower PureSine 10kVA 200V-240V/120V Output 13 Outlets Detachable Bypass PDU 1 RS-232, 1 USB, SNMP Slot. Use BP192BV18-4U for Extended Run (Tripp Lite SU16000RT4U) .....	28,620.42	
27 29 00 00-2592	EA		16000VA UPS System SmartOnline Rack/Tower PureSine 10kVA 200V-240V/120V Output Hardwire Detachable Bypass PDU 1 RS-232, 1 USB, SNMP Slot. Use BP192BV18-4U for Extended Run (Tripp Lite SU16000RT4UHW) .....	28,620.42	
27 29 00 00-2593	EA		16000VA UPS Smart Online Hot Swap 12U RM 16kVA 200V - 240V (Tripp Lite SU16KRT) .....	27,596.70	
27 29 00 00-2594	EA		16000VA UPS Smart Online With TF Hot Swap 14U RM 16kVA, 120 Volt - 240 Volt (Tripp Lite SU16KRT-1TF) .....	30,503.34	
27 29 00 00-2595	EA		20000VA UPS Smart Online Hot Swap 12U RM 20kVA 200V - 240V (Tripp Lite SU16KRTG) .....	27,596.70	
27 29 00 00-2596	EA		20000VA UPS Smart Online Hard Wire Hot Swap 12URM 20kVA 200-240V (Tripp Lite SU16KRTHW) .....	27,223.77	
27 29 00 00-2597	EA		20000VA UPS System SmartOnline Tower PureSine 3-Phase 20kVA Hard Wire - 20000 VA Includes Power Module and BP240V33 Battery Module (Tripp Lite SU20K3/3) .....	36,817.53	
27 29 00 00-2598	EA		20kVA Tower Mount UPS includes five SURBC2030 Internal Battery Packs. (Tripp Lite SU20K3/3XR5) .....	41,022.12	
27 29 00 00-2599	EA		Wall Mount Kirk Key Bypass Panel 240V for 20kVA 3-Phase UPS (Tripp Lite SU20KMBPK) .....	7,422.00	
27 29 00 00-2600	EA		20000VA UPS Smart Online Hot Swap 12U RM 20kVA 200V - 240V (Tripp Lite SU20KRT) .....	30,953.05	
27 29 00 00-2601	EA		20000VA UPS Smart Online With TF Hot Swap 14U RM, 20kVA, 120 Volt - 240 Volt (Tripp Lite SU20KRT-1TF) .....	33,892.60	
27 29 00 00-2602	EA		20000VA UPS Smart Online Hot Swap 12U RM 20kVA 200V - 240V (Tripp Lite SU20KRTG) .....	30,953.05	
27 29 00 00-2603	EA		20000VA UPS Smart Online Hard Wire Hot Swap 12URM 20kVA 200-240V (Tripp Lite SU20KRTHW) .....	30,580.12	
27 29 00 00-2604	EA		20000VA Intl Smart Online Modular 3-Phase UPS 220-415V 20kVA (Tripp Lite SU20KX) .....	36,927.22	
27 29 00 00-2605	EA		2200VA NAFTA Smart Online PureSine UPS Rackmount 7 outlets (Tripp Lite SU2200RMNAFTA) .....	4,021.78	
27 29 00 00-2606	EA		2200VA UPS System SmartOnline Rack/Tower PureSine 120 Volt 7 Outlet - 2200 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SU2200RTL2UA) .....	3,414.85	
			Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run		
27 29 00 00-2607	EA		2200VA 1800W UPS Smart Online Rackmount LCD 100V-120V USB 2URM (Tripp Lite SU2200RTLCD2U) .....	4,237.49	
27 29 00 00-2608	EA		2200VA UPS System SmartOnline Tower Extended Run PureSine 120V 7 Outlet - 2200 VA1 RS-232, SNMP Slot. Use BP72V9 or BP72V18 for Extended Run (Tripp Lite SU2200XLA) .....	2,848.15	
27 29 00 00-2609	EA		3000VA UPS Smart Online Rackmount 2U Economy Mode 7 Outlet Use BP72V15-2U or BP72V28RT-3U for Extended Run (Tripp Lite SU3000RTL2U) .....	4,171.68	
27 29 00 00-2610	EA		3000VA UPS System SmartOnline Rack/Tower PureSine 3kVA 120V 9 Outlet - 3000 VA 1 RS-232, 1 USB, SNMP Slot, Use BP72V15-2U or BP72V28RT-3U for Extended Run (Tripp Lite SU3000RTL3U) .....	4,412.99	
27 29 00 00-2611	EA		3000VA UPS System SmartOnline Rack/Tower PureSine HIGH Voltage 3kVA 120V 8 Outlet - 3000 VA 1 RS-232, SNMP Slot, Use BP 72V15-2U or BP72V28RT-3U for Extended Run (Tripp Lite SU3000RTL3UHV) .....	4,939.47	
27 29 00 00-2612	EA		3000VA 2700W UPS Smart Online LCD Rackmount 100-120V USB 3URM RT (Tripp Lite SU3000RTLCD3U) .....	5,283.15	
27 29 00 00-2613	EA		3000VA UPS System SmartOnline Rack/Tower PureSine 3kVA Extended Run 120V 9 Outlet - 3000 VA 1 RS-232, 1 USB, SNMP Slot, Use BP72V15-2U or BP72V28RT-3U for Extended Run (Tripp Lite SU3000RTXR3U) .....	5,392.84	
27 29 00 00-2614	EA		3000VA Smart Online UPS 110/120V USB DB9 Hardwire 3kVA 3U RM (Tripp Lite SU3000RTXR3UHV) .....	5,853.51	
27 29 00 00-2615	EA		3000VA UPS System SmartOnline Tower Extended Run PureSine 3kVA 120V 7 Outlet - 3000 VA1 RS-232, SNMP Slot, Use BP72V9 or BP72V18 for Extended Run (Tripp Lite SU3000XL) .....	4,083.93	
27 29 00 00-2616	EA		3000VA NAFTA Smart Online PureSine UPS Ext Run 9 outlets (Tripp Lite SU3000XLNAFTA) .....	4,387.39	
27 29 00 00-2617	EA		30000VA UPS System SmartOnline Tower PureSine 3-Phase 30kVA Hard Wire - 30000 VAIncludes Power Module and BP240V33 Battery Module (Tripp Lite SU30K3/3) .....	42,722.23	
27 29 00 00-2618	EA		30kVA Tower Mount UPS includes five SURBC2030 Internal Battery Packs. (Tripp Lite SU30K3/3XR5) .....	45,921.37	
27 29 00 00-2619	EA		Wall Mount Kirk Key Bypass Panel 240V for 30kVA 3-Phase UPS (Tripp Lite SU30KMBPK) .....	7,422.00	
27 29 00 00-2620	EA		40kVA Smart Online UPS 3-Phase Double Conversion With Integrated Batteries (Tripp Lite SU40K) .....	76,413.74	
27 29 00 00-2621	EA		Wall Mount Kirk Key Bypass Panel 240V for 40kVA 3-Phase UPS (Tripp Lite SU40KMBPK) .....	9,195.24	
27 29 00 00-2622	EA		Intl Wall Mount Kirk Key Bypass Panel 480V for 40kVA 3-Phase UPS (Tripp Lite SU40KMBPKX) .....	7,834.34	
27 29 00 00-2623	EA		4000VA Intl Smart Online Modular 3-Phase UPS 220-415V 40kVA (Tripp Lite SU40KX) .....	55,208.02	
27 29 00 00-2624	EA		5000VA UPS System SmartOnline Rack/Tower PureSine 5kVA 200V-240V Output 16 Outlet - 5000 VA 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU5000RT3U) .....	10,610.18	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2625	EA		5000VA UPS System SmartOnline Rack/Tower PureSine HIGH Voltage 200V-240V Output 4 Outlet - 5000 VA1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU5000RT3UHV).....	9,301.27	
27 29 00 00-2626	EA		5000VA UPS System SmartOnline Rack/Tower PureSine 5kVA 208V/240V Output 12 Outlet - 5000 VA All-In-One 1 RS-232, 1 USB, Use BP192V12-3U for Extended Run (Tripp Lite SU5000RT4U).....	10,562.65	
27 29 00 00-2627	EA		5000VA UPS Smart Online High Efficiency 4U RM 5kVA 200-240V (Tripp Lite SU5000RT4UHV).....	9,056.31	
27 29 00 00-2628	EA		5000VA UPS Smart Online High Efficiency 6U RM 5kVA 208-240V (Tripp Lite SU5000RT4UTF).....	10,463.93	
27 29 00 00-2629	EA		2U rack/tower mount isolation/distribution/step-down transformer. 208 Volt, 60 Hertz single phase input/120/240 Volt output. Outlets: 12 (15/20-amperes). L6-30P plug. (Tripp Lite SU5000XFMRT2U).....	2,621.47	
27 29 00 00-2630	EA		Note: For use with SU 5000RT3UHV, SU 7500RT3U and SU 10000RT3U models.		
27 29 00 00-2630	EA		6000VA UPS System SmartOnline Rack/Tower PureSine 6kVA 200V-240V/120V Output Hardwire - 6000 VA External Battery Pack Included, 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU6000RT3U).....	12,909.90	
27 29 00 00-2631	EA		6000VA UPS System SmartOnline Rack/Tower PureSine HIGH Voltage 6kVA 200-240V Output Hardwire - 6000 VA Auto Sensing 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU6000RT3UHV).....	10,050.78	
27 29 00 00-2632	EA		6000VA UPS System SmartOnline Rack/Tower PureSine 6kVA 208V/240V Output 12 Outlet - 6000 VA All-In-One 1 RS-232, 1 USB, Use BP192V12-3U for Extended Run (Tripp Lite SU6000RT4U).....	11,805.74	
27 29 00 00-2633	EA		6000VA UPS Smart Online High Efficiency 4U RM 6kVA 200-240V (Tripp Lite SU6000RT4UHV).....	9,952.07	
27 29 00 00-2634	EA		6000VA UPS Smart Online High Efficiency 4URM C19 6kVA 200-240V (Tripp Lite SU6000RT4UHV).....	9,952.07	
27 29 00 00-2635	EA		6000VA UPS Smart Online High Efficiency HW 4U RM 6kVA 200-240V (Tripp Lite SU6000RT4UHVHW).....	9,527.95	
27 29 00 00-2636	EA		6000VA UPS Smart Online High Efficiency 6U RM 6kVA 208-240V (Tripp Lite SU6000RT4UTF).....	11,297.53	
27 29 00 00-2637	EA		6000VA UPS Smart Online High Efficiency HW With TF 6kVA, 208/240 Volt (Tripp Lite SU6000RT4UTFHW).....	11,710.68	
27 29 00 00-2638	EA		60KVA Smart Online UPS 3-Phase Double Conversion With Integrated Batteries (Tripp Lite SU60K).....	85,919.76	
27 29 00 00-2639	EA		Wall Mount Kirk Key Bypass Panel 240V for 60kVA 3-Phase UPS (Tripp Lite SU60KMBPK).....	10,109.28	
27 29 00 00-2640	EA		Intl Wall Mount Kirk Key Bypass Panel 480V for 60kVA 3-Phase UPS (Tripp Lite SU60KMBPKX).....	14,694.11	
27 29 00 00-2641	EA		60KVA Smart Online N+1 Modular UPS 3-Phase IGBT 220/415V (Tripp Lite SU60KX).....	69,832.66	
27 29 00 00-2642	EA		750VA UPS System SmartOnline Rack/Tower PureSine 120 Volt 6 Outlet - 750VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SU750RTXL2U).....	1,546.56	
27 29 00 00-2643	EA		Note: Use BP24V28-2U or BP24V70-3U for Extended Run		
27 29 00 00-2644	EA		750VA 675W UPS Smart Online Rackmount LCD 100V-120V USB 2URM RT (Tripp Lite SU750RTXLCD2U).....	1,700.11	
27 29 00 00-2644	EA		750VA UPS System SmartOnline Tower Extended Run PureSine 120 Volt 6 Outlet - 750 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SU750XL).....	1,451.50	
27 29 00 00-2645	EA		Note: Use BP24V14 or BP24V34 for Extended Run		
27 29 00 00-2645	EA		8000VA UPS System SmartOnline Rack/Tower PureSine 8kVA 200V-240V output 6 outlets Detachable Bypass PDU, 1 RS-232, 2 DB9 And SNMP Slot. Use BP240V10RT3U for Extended Run (Tripp Lite SU8000RT3U).....	12,452.88	
27 29 00 00-2646	EA		8000VA UPS System SmartOnline Rack/Tower PureSine 8kVA Transformer 120V/208V output Hardwire Detachable Bypass PDU, 1 RS-232, 2 DB9 And SNMP Slot. Use BP240V10RT3U for Extended Run (Tripp Lite SU8000RT3U1TF).....	13,929.97	
27 29 00 00-2647	EA		8000VA Global Smart Online UPS RM 6U (6)C19 outlets 8kVA 200/240V (Tripp Lite SU8000RT3UG).....	12,869.68	
27 29 00 00-2648	EA		8000VA UPS System SmartOnline Rack/Tower PureSine 8kVA 200V-240V output Hardwire Detachable Bypass PDU, 1 RS-232, 2 DB9 And SNMP Slot. Use BP240V10RT3U for Extended Run (Tripp Lite SU8000RT3UHW).....	12,452.88	
27 29 00 00-2649	EA		8000VA Smart Online UPS With Hot- Swappable Power Distribution Unit 208/240 Volt, 6 outlets (Tripp Lite SU8000RT3UN50).....	13,385.20	
27 29 00 00-2650	EA		8000VA Smart Online UPS With Hot- Swap PDU And Step Down Trans 208/240 Volt (Tripp Lite SU8000RT3UN50TF).....	14,869.60	
27 29 00 00-2651	EA		8000VA UPS System SmartOnline Rack/Tower PureSine 8kVA 200V-240V/120V Output Hardwire Detachable Bypass PDU, 1 RS-232, 1 USB, SNMP Slot. Use BP192V12-3U for Extended Run (Tripp Lite SU8000RT4U).....	13,180.46	
27 29 00 00-2652	EA		80KVA Smart Online UPS 3-Phase Double Conversion With Integrated Batteries (Tripp Lite SU80K).....	102,372.48	
27 29 00 00-2653	EA		Wall Mount 3-Breaker Bypass Panel With Kirk Key 240V for 80kVA 3-Phase UPS TAA / GSA (Tripp Lite SU80KMBPK).....	19,761.54	
27 29 00 00-2654	EA		80KVA Smart Online N+1 Modular UPS 3-Phase IGBT 220/415V (Tripp Lite SU80KX).....	85,290.09	
27 29 00 00-2655	EA		Additional Battery Compartment for all Models. Requires SURBC2030 Battery Packs. (Tripp Lite SUBF2030).....	7,312.32	
27 29 00 00-2656	EA		208V 3-Phase Distribution Cabinet for 20-60kVA UPS 42 Pole (Tripp Lite SUDC208V42P).....	10,156.00	
27 29 00 00-2657	EA		1000VA International UPS System SmartOnline Rack/Tower PureSine 230 Volt 6 Outlet 1 RS-232, SNMP Slot (Tripp Lite SUINT1000RTXL2U).....	2,396.61	
27 29 00 00-2658	EA		Note: Use BP36V15-2U for Extended Run		
27 29 00 00-2658	EA		1000VA International UPS System SmartOnline Tower PureSine 230 Volt 4 Outlet - 1000 VA 1 DB9 (Tripp Lite SUINT1000XL).....	1,887.19	
27 29 00 00-2659	EA		Note: Use BP36V13 for Extended Run		
27 29 00 00-2659	EA		1500VA International UPS System SmartOnline Rack/Tower PureSine 230 Volt 6 Outlet - 1500 VA 1 RS-232, SNMP Slot (Tripp Lite SUINT1500RTXL2U).....	2,662.90	
27 29 00 00-2660	EA		Note: Use BP 48V24-2U for Extended Run		
27 29 00 00-2660	EA		2000VA International UPS System SmartOnline Tower PureSine 230V 8 Outlet 1 DB9, SNMP Slot. Use BP72V9 for Extended Run (Tripp Lite SUINT2000XL).....	2,944.63	
27 29 00 00-2661	EA		2200VA International UPS System SmartOnline Rack/Tower PureSine 230 Volt 6 Outlet - 2200 VA 1 RS-232, SNMP Slot (Tripp Lite SUINT2200RTXL2U).....	4,233.63	
27 29 00 00-2662	EA		Note: Use BP48V24-2U for Extended Run		
27 29 00 00-2662	EA		3000VA International UPS System SmartOnline Extended Run Rack/Tower PureSine Online, double-conversion 3kVA 200-240V 10 Outlet - USB, serial, contact closure, EPO and SNMP/Web card slot (Tripp Lite SUINT3000RTXL2U).....	4,665.87	
27 29 00 00-2663	EA		3000VA International UPS System SmartOnline Rack/Tower PureSine 3kVA 230V 10 Outlet - 3000 VA 1 RS-232, SNMP Slot, Use BP72V12-2U or BP72V21-3U for Extended Run (Tripp Lite SUINT3000RTXL3U).....	4,847.26	
27 29 00 00-2664	EA		3000VA International UPS System SmartOnline Tower PureSine 230V 3kVA 8 Outlet - 3000 VA 1 DB9, SNMP Slot. Use BP72V9 for Extended Run (Tripp Lite SUINT3000XL).....	4,538.51	
27 29 00 00-2665	EA		Alternate back panel for SU 6000RT3UHV model only. Converts from hardwired to L6-30P plug/cord set and two L6-30R outlets. 208V. (Tripp Lite SUPDM11).....	321.74	
27 29 00 00-2666	EA		Alternate back panel for distribution transformer module—SU 6000RT3U model only. Converts from hardwired to L6-30P plug/cord set and 13 outlets (ten 120V 15/20-amperes, two 208V L6-20R and one 208V L6-30R). (Tripp Lite SUPDM12).....	542.74	
27 29 00 00-2667	EA		Alternate back panel for distribution transformer module—SU 6000RT3U model only. Converts from hardwired to L6-30P plug/cord set and 13 outlets (ten 120V 15/20-amperes, two 240V L6-20R and one 240V L6-30R). (Tripp Lite SUPDM13).....	542.74	
27 29 00 00-2668	EA		For SU 5000RT4U and SU 6000RT4U models only. Independent detachable hardwired power distribution unit. (Tripp Lite SUPDM56HW).....	256.74	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 29 00 00-2669	EA	Converts output for select UPS Systems to Hardwire PDU (Tripp Lite SUPDMB568HW).....	877.48
27 29 00 00-2670	EA	Converts output for select UPS Systems to Hardwire PDU (Tripp Lite SUPDMB710HW).....	584.99
27 29 00 00-2671	EA	Converts output for select UPS Systems to IEC320 outlets 200-240V (Tripp Lite SUPDMB710IEC).....	1,681.83
27 29 00 00-2672	EA	6 outlets 6' cord 750 joules International Surge Suppressor 6 Universal Outlets/British Plug 230V (Tripp Lite SUPER6OMNI B) .....	46.31
27 29 00 00-2673	EA	6 outlets 6' cord 750 joules International Surge Suppressor 6 Universal Outlets/CEE Plug 230V (Tripp Lite SUPER6OMNI D) .....	46.31
27 29 00 00-2674	EA	7 outlets 6' cord 1270 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite SUPER6TEL).....	53.62
27 29 00 00-2675	EA	7 outlets 12' cord 1270 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite SUPER6TEL12).....	78.00
27 29 00 00-2676	EA	7 outlets 7' cord 2350 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite SUPER-7).....	50.37
27 29 00 00-2677	EA	Surge Protector Strip 120V 7 Outlet 7ft Cord 2160 Joules Black (Tripp Lite SUPER7B).....	50.37
27 29 00 00-2678	EA	7 outlets 7' cord 2350 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite SUPER7COAX).....	68.25
27 29 00 00-2679	EA	7 outlets 7' cord 2470 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite SUPER7TEL).....	63.37
27 29 00 00-2680	EA	7 outlets 15' cord 2720 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite SUPER7TEL15).....	100.75
27 29 00 00-2681	EA	240 Volt DC Internal Battery Pack for Extended Runtime. (Tripp Lite SURBC2030) .....	2,438.66
27 29 00 00-2682	EA	Protect It! Surge 6 Swivel Outlets Direct Plug 1200 Joules (Tripp Lite SWIVEL6).....	43.06
27 29 00 00-2683	EA	1200VA UPS System Extended Run Tower Line-Interactive 120V 6 Outlet - 1200 VA, 1 DB9 (Tripp Lite TE1200) .....	1,407.62
27 29 00 00-2684	EA	600VA UPS System Extended Run Tower Line-Interactive 120V 6 Outlet - 600 VA, 1 DB9 (Tripp Lite TE600) .....	734.89
27 29 00 00-2685	EA	10 outlets 15' cord Metal-receptacle series, master switch pilot light (Tripp Lite TLM1015NC) .....	143.00
27 29 00 00-2686	EA	3 outlets 6' cord Metal-receptacle series, master switch pilot light (Tripp Lite TLM306NC) .....	58.50
27 29 00 00-2687	EA	4 outlets 6' cord Metal-receptacle series, master switch pilot light (Tripp Lite TLM406NC) .....	63.37
27 29 00 00-2688	EA	6 outlets 6' cord 280 joules Metal housing, holds 3 transformers. (Tripp Lite TLM606).....	55.25
27 29 00 00-2689	EA	6 outlets 6' cord 450 joules Metal housing, holds 3 transformers. (Tripp Lite TLM606HJ).....	60.12
27 29 00 00-2690	EA	6 outlets 6' cord Metal-receptacle series, master switch pilot light (Tripp Lite TLM606NC) .....	69.87
27 29 00 00-2691	EA	6 outlets 9' cord GFCI plug, 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM609GF).....	134.87
27 29 00 00-2692	EA	6 outlets 9' cord 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM609NS).....	84.50
27 29 00 00-2693	EA	6 outlets 9' cord 1200 joules 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM609SA).....	91.81
27 29 00 00-2694	EA	6 outlets 15' cord Metal-receptacle series, master switch pilot light (Tripp Lite TLM615NC) .....	87.75
27 29 00 00-2695	EA	6 outlets 15' cord Metal-receptacle series, master switch pilot light, 20 amperes (Tripp Lite TLM615NC20).....	204.74
27 29 00 00-2696	EA	6 outlets 15' cord Metal-receptacle series, turned 90 degrees, master switch pilot light (Tripp Lite TLM615NCRA) .....	92.62
27 29 00 00-2697	EA	6 outlets 15' cord 2400 joules 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM615SA).....	112.93
27 29 00 00-2698	EA	6 outlets 6' cord 450 joules Metal housing, holds 3 transformers. (Tripp Lite TLM626).....	65.00
27 29 00 00-2699	EA	6 outlets 6' cord 4 outlet safety covers (Tripp Lite TLM626NS).....	50.37
27 29 00 00-2700	EA	6 outlets 6' cord 420 joules 4 outlet safety covers (Tripp Lite TLM626SA).....	60.12
27 29 00 00-2701	EA	6 outlets 15' cord 450 joules Metal housing, holds 3 transformers. (Tripp Lite TLM626TEL15).....	87.75
27 29 00 00-2702	EA	8 outlets 12' cord GFCI plug, 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM812GF).....	152.75
27 29 00 00-2703	EA	8 outlets 12' cord 1200 joules 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM812SA).....	108.06
27 29 00 00-2704	EA	8 outlets 15' cord 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM815NS).....	104.00
27 29 00 00-2705	EA	8 outlets 25' cord GFCI plug, 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM825GF).....	178.75
27 29 00 00-2706	EA	8 outlets 25' cord 3600 joules 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM825SA).....	155.51
27 29 00 00-2707	EA	9 outlets 15' cord Metal-receptacle series, master switch pilot light, outlet on end (Tripp Lite TLM915NC).....	95.87
27 29 00 00-2708	EA	10 outlets 8' cord 2395 joules Protect It! Surge Suppressor holds 7 Transformers (Tripp Lite TLP1008TEL).....	87.75
27 29 00 00-2709	EA	10 outlets 8' cord 3345 joules Protect It! Surge Suppressor holds 7 Transformers (Tripp Lite TLP1008TELT).....	97.50
27 29 00 00-2710	EA	Surge Protector 120V 12 Outlet RJ11 RJ45 Coax 8ft Crd 2880 Joule (Tripp Lite TLP1208SAT).....	112.12
27 29 00 00-2711	EA	Surge Protector 12 Outlets, Tel/DSL, 8ft Cord, 2160 Joules (Tripp Lite TLP1208TEL).....	94.25
27 29 00 00-2712	EA	Surge Protector 12 Outlets, Tel/DSL, Coax, 8ft Cord, 2880 Joules (Tripp Lite TLP1208TELT).....	110.50
27 29 00 00-2713	EA	Eco Surge Protector Green 12 Outlet Tel/Coax 10ft Cord 3600 Joules (Tripp Lite TLP1210SATG).....	220.99
27 29 00 00-2714	EA	Int'l Protect It! Surge 2 Schuko Type F outlets German Plug 2 USB Ports 380 Joules (Tripp Lite TLP2USBD).....	66.62
27 29 00 00-2715	EA	Int'l Protect It! Surge 2 French Type E outlets and Plug 2 USB Ports 380 Joules (Tripp Lite TLP2USBF).....	66.62
27 29 00 00-2716	EA	4 outlets 4' cord 390 joules Protect It! Surge Suppressor holds 2 Transformers (Tripp Lite TLP404).....	22.75
27 29 00 00-2717	EA	Protect It! BLK Surge 4 outlet (2 Transformers) 4ft Cord 670 Joules (Tripp Lite TLP4BK).....	29.25
27 29 00 00-2718	EA	Int'l Protect It! Surge 5 Schuko Type F outlets German Plug 280 Joules (Tripp Lite TLP51D).....	46.31
27 29 00 00-2719	EA	Int'l Protect It! Surge 5 French Type E outlets and Plug 280 Joules (Tripp Lite TLP51F).....	46.31
27 29 00 00-2720	EA	6 outlets 2' cord 250 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite TLP602).....	17.87
27 29 00 00-2721	EA	6 outlets 4' cord 720 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite TLP604).....	24.37
27 29 00 00-2722	EA	6 outlets 4' cord 870 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite TLP604TEL).....	29.25
27 29 00 00-2723	EA	6 outlets 6' cord 750 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite TLP606).....	29.25
27 29 00 00-2724	EA	Protect It! BLK Surge 6 outlet (3 Transformers) 6ft Cord 750 Joules (Tripp Lite TLP606B).....	29.25
27 29 00 00-2725	EA	TAA Compliant Protect It! Surge 6 outlets 6 ft Cord 750 Joules (Tripp Lite TLP606TAA).....	32.50
27 29 00 00-2726	EA	Surge Protector Strip 6 Outlet RJ11 8ft Cord 990 Joules (Tripp Lite TLP608TEL).....	43.06
27 29 00 00-2727	EA	Surge Protector Strip 6 Outlet 15ft Cord 790 Joules (Tripp Lite TLP615).....	61.75
27 29 00 00-2728	EA	Int'l Protect It! Surge 6 Schuko Type F outlets German Plug 1140 Joules (Tripp Lite TLP61D).....	58.50
27 29 00 00-2729	EA	Int'l Protect It! Surge 6 French Type E outlets and Plug 1140 Joules (Tripp Lite TLP61F).....	58.50
27 29 00 00-2730	EA	Surge Protector 6 Outlet 4ft Cord 540 Joules (Tripp Lite TLP64).....	44.69
27 29 00 00-2731	EA	Surge Protector 6 Outlet RJ45 6ft Cord 1080 Joules (Tripp Lite TLP66NET).....	70.69
27 29 00 00-2732	EA	Surge Protector 6 Outlet RJ45 6ft Cord 1080 Joules TAA / GSA (Tripp Lite TLP66NETAA).....	81.25
27 29 00 00-2733	EA	Eco Surge Protector Green With Remote Control 6 Outlet 6ft Cord (Tripp Lite TLP66RCG).....	101.56
27 29 00 00-2734	EA	Surge Protector Strip 6 Outlet 6ft Cord 360 Joules Black (Tripp Lite TLP6B).....	26.81
27 29 00 00-2735	EA	Surge Protector Strip 120V 7 Outlet RJ11 6ft Cord 1440 Joule (Tripp Lite TLP706TELC).....	53.62
27 29 00 00-2736	EA	7 outlets 7' cord 1270 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite TLP707TEL).....	52.00
27 29 00 00-2737	EA	7 outlets 12' cord 1000 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite TLP712).....	53.62
27 29 00 00-2738	EA	Protect It! BLK Surge 7 outlet (4 Transformers) 12ft Cord 1000 Joules (Tripp Lite TLP712B).....	53.62
27 29 00 00-2739	EA	Protect It! Surge 7 outlet (4 Transformers) 25ft Cord 1000 Joules (Tripp Lite TLP725).....	94.25
27 29 00 00-2740	EA	Surge Protector 7 Right Angle Outlets 4ft Cord 540 Joules (Tripp Lite TLP74R).....	30.87
27 29 00 00-2741	EA	Surge Protector 7 Right Angle Outlets 4ft Cord 540 Joules Black (Tripp Lite TLP74RB).....	30.87
27 29 00 00-2742	EA	Eco Surge Protector Green Timer Controlled 7 Outlet 4ft Cord (Tripp Lite TLP74TG).....	100.75
27 29 00 00-2743	EA	Eco Green Surge Protector Switched 7 Outlet Conserve Energy (Tripp Lite TLP76MSG).....	69.87
27 29 00 00-2744	EA	Surge Protector Strip 120V Right Angle 7 Outlet RJ11 Black (Tripp Lite TLP76RBTEL).....	40.95
27 29 00 00-2745	EA	Eco Surge Protector Green Timer Controlled 7 Outlet USB 8ft Crd (Tripp Lite TLP78TUSBG).....	133.25
27 29 00 00-2746	EA	Surge Protector Strip 120V 8 Outlet RJ11 6ft Cord 2160 Joule (Tripp Lite TLP806TEL).....	61.75
27 29 00 00-2747	EA	8 outlets 8' cord 1900 joules Protect It! Surge Suppressor holds 6 Transformers (Tripp Lite TLP808).....	63.37



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2748	EA		Eco Surge Protector Green 8 Outlet Tel/DSL 8ft Cord 2160 Joules (Tripp Lite TLP808NETG) .....	154.37	
27 29 00 00-2749	EA		8 outlets 8' cord 2820 joules Protect It! Surge Suppressor holds 6 Transformers (Tripp Lite TLP808TEL) .....	84.50	
27 29 00 00-2750	EA		TAA Compliant Protect It! Surge 8 outlets 8ft Cord 2820 Joules (Tripp Lite TLP808TELTA) .....	87.75	
27 29 00 00-2751	EA		8 outlets 8' cord 3500 joules Protect It! Surge Suppressor holds 6 Transformers (Tripp Lite TLP808TELT) .....	97.50	
27 29 00 00-2752	EA		8 outlets 10' cord 3690 joules Protect It! Surge Suppressor holds 6 Transformers (Tripp Lite TLP810NET) .....	121.87	
27 29 00 00-2753	EA		8 outlets 10' cord 3570 joules Protect It! Surge Suppressor holds 6 Transformers (Tripp Lite TLP810SAT) .....	118.62	
27 29 00 00-2754	EA		Protect It! Surge 8 outlet (6 Transformers) 25ft Cord 1900 Joules (Tripp Lite TLP825) .....	105.62	
27 29 00 00-2755	EA		Intl Protect It! Surge 8 Schuko Type F outlets German Plug 2280 Joules (Tripp Lite TLP82D) .....	92.62	
27 29 00 00-2756	EA		Intl Protect It! Surge 8 French Type E outlets and Plug 2280 Joules (Tripp Lite TLP82F) .....	92.62	
27 29 00 00-2757	EA		Intl Protect It! Surge 8 Schuko Type F outlets German Plug Tel/Network 1140 Joules (Tripp Lite TLP82MASD) .....	144.62	
27 29 00 00-2758	EA		Intl Protect It! Surge 8 French Type E outlets and Plug Tel/Network 1140 Joules (Tripp Lite TLP82MASF) .....	144.62	
27 29 00 00-2759	EA		Intl Protect It! Surge 8 Schuko Type F outlets German Plug Tel/Network 2280 Joules (Tripp Lite TLP82NSATD) .....	133.25	
27 29 00 00-2760	EA		Intl Protect It! Surge 8 French Type E outlets and Plug Tel/Network 2280 Joules (Tripp Lite TLP82NSATF) .....	133.25	
27 29 00 00-2761	EA		6 OUTLETS 6' CORD 1850 JOULES Protect It! Under Monitor Surge Suppressor with Modem/Fax Protection (Tripp Lite TMC-6) .....	107.04	
27 29 00 00-2762	EA		6 outlets 6' cord 1500 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite TR-6) .....	93.44	
27 29 00 00-2763	EA		6 outlets 6' cord 2100 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite TR-6FM) .....	112.12	
27 29 00 00-2764	EA		1 outlets direct plug-in 950 joules Protect It! Portable Surge Suppressor holds 1 Transformer (Tripp Lite TRAVELCUBE) .....	24.37	
27 29 00 00-2765	EA		2 outlets direct plug-in 1050 joules Protect It! Portable Surge Suppressor holds 2 Transformers (Tripp Lite TRAVELER) .....	40.62	
27 29 00 00-2766	EA		2 outlets direct plug-in 1050 joules Protect It! Portable Surge Suppressor holds 2 Transformers (Tripp Lite TRAVELER100BT) .....	40.62	
27 29 00 00-2767	EA		Mobile Surge Protector with 3 outlets 2 USB 540 Joules (Tripp Lite TRAVELER3USB) .....	53.62	
27 29 00 00-2768	EA		2 (C6) 3-prong outlets in-line 820-1130 joules Protect It! Surge Suppressor For Laptop Use (Tripp Lite TRAVELERC6) .....	56.87	
27 29 00 00-2769	EA		2 (C8) 2-prong outlets in-line 820-1130 joules Protect It! Surge Suppressor For Laptop Use (Tripp Lite TRAVELERC8) .....	56.87	
27 29 00 00-2770	EA		TuneView remote only (Tripp Lite TVREM-200C) .....	347.74	
27 29 00 00-2771	EA		TuneView for iTunes (Tripp Lite TVU-200C) .....	446.86	
27 29 00 00-2772	EA		USB A/A Extension Gold Cable A-M/F - 10' (Tripp Lite U004-010-R) .....	26.89	
27 29 00 00-2773	EA		USB Right Angle Gold Extension Cable A-F/M(90deg) - 10' (Tripp Lite U005-10I) .....	22.40	
27 29 00 00-2774	EA		USB over Category 5 Extension, up to 40M/125', USB A M/F (Tripp Lite U007-40M) .....	280.16	
27 29 00 00-2775	EA		USB2.0 Certified A/B Device Cable - 3' (Tripp Lite U021-003) .....	11.21	
27 29 00 00-2776	EA		USB 2.0 Gold A/B Device Cable - 6 ft. (Tripp Lite U022-006) .....	12.04	
27 29 00 00-2777	EA		USB2.0 Certified Gold A/B Device Cable - 6' (Tripp Lite U022-006-R) .....	20.17	
27 29 00 00-2778	EA		USB 2.0 Gold A/B Device Cable - 10 ft. (Tripp Lite U022-010) .....	15.68	
27 29 00 00-2779	EA		USB2.0 Certified Gold A/B Device Cable - 10' (Tripp Lite U022-010-R) .....	25.21	
27 29 00 00-2780	EA		USB2.0 Certified Gold A/B Device Cable - 15' (Tripp Lite U022-015) .....	21.86	
27 29 00 00-2781	EA		3ft USB2.0 A/B Gld Device Cbl Ferrite Chokes A Male to B Male 3' (Tripp Lite U023-003) .....	15.42	
27 29 00 00-2782	EA		USB2.0 Certified Gold A/B Device Cable with Ferrite Chokes - 6 ft. (Tripp Lite U023-006) .....	16.53	
27 29 00 00-2783	EA		USB Gold Extension Cable for USB 2.0 Cables, A (M/F) - 6' (Tripp Lite U024-006) .....	14.56	
27 29 00 00-2784	EA		USB Gold Extension Cable for USB 2.0 Cables, A (M/F) - 10' (Tripp Lite U024-010) .....	18.48	
27 29 00 00-2785	EA		USB 2.0 Port A/A 6in Ext Cable Mobile Built-in Charging Hub (Tripp Lite U024-06N-HUB) .....	33.62	
27 29 00 00-2786	EA		USB 2.0 Certified Active Extension Cable - 16 ft. (Tripp Lite U026-016) .....	89.66	
27 29 00 00-2787	EA		10M USB2.0 A/A Hi-Speed Active Extension / Repeater Cable 33ft (Tripp Lite U026-10M) .....	128.88	
27 29 00 00-2788	EA		20M USB2.0 A/A Hi-Speed Active Extension / Repeater Cable 65' (Tripp Lite U026-20M) .....	184.90	
27 29 00 00-2789	EA		USB2.0 A to 4-Pin Mini B Gold Cable - 6' (Tripp Lite U028-006) .....	11.21	
27 29 00 00-2790	EA		6-ft. USB 2.0 A to 4-Pin "Round" Mini B Gold Cable (Tripp Lite U029-006) .....	11.21	
27 29 00 00-2791	EA		3ft USB2.0 A to Mini-B Gold Device Cable A M to 5Pin Mini-B M 3' (Tripp Lite U030-003) .....	11.21	
27 29 00 00-2792	EA		USB2.0 A to 5-Pin Mini B Gold Cable - 6' (Tripp Lite U030-006) .....	12.33	
27 29 00 00-2793	EA		USB 2.0 6in Cable 5 pin mini-B Mobile Built-in Charging Hub (Tripp Lite U030-06N-HUB) .....	33.62	
27 29 00 00-2794	EA		Retractable USB 2.0 Device Cable, USB A (M)/USB B (M) - 4' (Tripp Lite U032-004-R) .....	28.01	
27 29 00 00-2795	EA		USB2.0 A/B Repeater Cable, 36' (Tripp Lite U042-036) .....	137.29	
27 29 00 00-2796	EA		USB2.0 A-M to Micro-USB 5-pin B-M Device Cable, 3' (Tripp Lite U050-003) .....	16.82	
27 29 00 00-2797	EA		USB2.0 A-M to Micro-USB 5-pin B-M Device Cable, 6' (Tripp Lite U050-006) .....	19.62	
27 29 00 00-2798	EA		10ft USB2.0 A to Micro-USB B Device Cable A M to Micro-B M 10' (Tripp Lite U050-010) .....	30.81	
27 29 00 00-2799	EA		USB to IEEE Gold Parallel Printer Adapter Cable USB A/C36M - 6' (Tripp Lite U206-006-R) .....	112.06	
27 29 00 00-2800	EA		USB to IEEE Parallel Printer Adapter Cable USB A Male to DB25 Female - 6 ft. (Tripp Lite U207-006) .....	58.84	
27 29 00 00-2801	EA		USB to Serial Adapter (Tripp Lite U209-000-R) .....	84.05	
27 29 00 00-2802	EA		4 Port USB 2.0 Peripheral Sharing Switch. Connects up to four PCs to one printer. (Tripp Lite U215-004-R) .....	184.90	
27 29 00 00-2803	EA		USB PS/2 Adapter (Tripp Lite U219-000-R) .....	49.32	
27 29 00 00-2804	EA		4 Port USB 2.0 Certified Self- or Bus-Powered Ultra-Mini Compact Hub, x4 A (F)/x1 A (M) (Tripp Lite U222-004- R) .....	100.87	
27 29 00 00-2805	EA		7 Port USB 2.0 Certified Self- or Bus-Powered Hub, x7 A (F)/x1 A (M) (Tripp Lite U222-007-R) .....	154.09	
27 29 00 00-2806	EA		USB 2.0 Hi-Speed Hub 10-Port With 2 Swivel (Tripp Lite U222-010-R) .....	196.11	
27 29 00 00-2807	EA		4-Port Industrial USB 2.0 Hub Heavy Duty 15kV ESD Immunity (Tripp Lite U223-004-IND) .....	470.67	
27 29 00 00-2808	EA		USB 4Port Hub with 1 Remote Port over Category 5 (Tripp Lite U224-1R4-R) .....	364.21	
27 29 00 00-2809	EA		USB 4Port Remote Hub over Category 5 (Tripp Lite U224-4R4-R) .....	364.21	
27 29 00 00-2810	EA		4 Port USB 2.0 Certified Hub, x4 A (F)/x1 A (M) (Tripp Lite U225-004-R) .....	78.44	
27 29 00 00-2811	EA		USB2.0 Hub with File Transfer Functionality - 3Port (Tripp Lite U227-FT3-R) .....	162.50	
27 29 00 00-2812	EA		4-Pot USB 2.0 Share Switch with File Transfer (Tripp Lite U230-204-R) .....	392.22	
27 29 00 00-2813	EA		USB 2.0 Universal High-Speed File Transfer Cable (PC or Mac), 6ft (Tripp Lite U233-006-MP-R) .....	123.27	
27 29 00 00-2814	EA		USB 2.0 High-Speed File Transfer Cable (PC to PC), 6ft (Tripp Lite U233-006-PP-R) .....	112.06	
27 29 00 00-2815	EA		USB 2.0 to Ethernet Adapter 10/100 Mbps (Tripp Lite U236-000-R) .....	112.06	
27 29 00 00-2816	EA		USB 2.0 to SATA/ IDE Combo Adapter ( For 2.5" or 3.5 SATA and IDE Hard Drivers) - USB A(M) - 7 Pin SATA(F), 40 Pin IDE(F), 44 Pin IDE (F) - 1' (Tripp Lite U238-000) .....	184.90	
27 29 00 00-2817	EA		SATA Hard Drive Cradle / Docking Station USB2.0 / eSATA Windows And Macintosh compatible (Tripp Lite U239-UE1) .....	184.90	
27 29 00 00-2818	EA		USB2.0 to HDMI Display Adapter, PC / Laptop to HDTV (Tripp Lite U244-001-HDMI-R) .....	361.41	
27 29 00 00-2819	EA		USB2.0 to DVI-I/VGA Adapter (Tripp Lite U244-001-R) .....	347.40	
27 29 00 00-2820	EA		USB 2.0 to VGA Adapter (Tripp Lite U244-001-VGA-R) .....	308.17	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 29 00 00-2821	EA	USB 3.0 Super Speed 5Gbps A-B Device Cable 3ft (Tripp Lite U322-003).....	39.22	
27 29 00 00-2822	EA	USB 3.0 Super Speed 5Gbps A-B Device Cable 6ft (Tripp Lite U322-006).....	47.63	
27 29 00 00-2823	EA	USB 3.0 Super Speed 5Gbps A-B Device Cable 10ft (Tripp Lite U322-010).....	53.24	
27 29 00 00-2824	EA	USB 3.0 Super Speed 5Gbps A-B Device Cable 15ft (Tripp Lite U322-015).....	72.84	
27 29 00 00-2825	EA	USB 3.0 Super Speed 5Gbps A Male - A Female Ext Cable 6ft (Tripp Lite U324-006).....	47.63	
27 29 00 00-2826	EA	USB 3.0 Super Speed 5Gbps A Male - A Female Ext Cable 10ft (Tripp Lite U324-010).....	53.24	
27 29 00 00-2827	EA	USB 3.0 Super Speed 5Gbps A to Micro B Device Cable 3ft (Tripp Lite U326-003).....	44.83	
27 29 00 00-2828	EA	USB 3.0 Super Speed 5Gbps A to Micro B Device Cable 6ft (Tripp Lite U326-006).....	56.04	
27 29 00 00-2829	EA	USB 3.0 Super Speed 5Gbps A to Micro B Device Cable 10ft (Tripp Lite U326-010).....	70.04	
27 29 00 00-2830	EA	5M USB3.0 Super Speed A/A Active Extension Cable USB-A M/F 16ft (Tripp Lite U330-05M).....	140.09	
27 29 00 00-2831	EA	USB 3.0 SuperSpeed to SATA Adapter Cable (Tripp Lite U338-000).....	196.11	
27 29 00 00-2832	EA	USB 3.0 SuperSpeed to SATA Adapter Cable (Tripp Lite U338-000-R).....	196.11	
27 29 00 00-2833	EA	USB 3.0 to SATA Hard Drive Quick Dock 5 Gbps Plug And Play (Tripp Lite U339-000).....	196.11	
27 29 00 00-2834	EA	USB 3.0 to HDMI Adapter 2048 x 1152 / 60 Hertz Video Resolution (Tripp Lite U344-001-HDMI-R).....	470.67	
27 29 00 00-2835	EA	USB 3.0 to DVI or VGA Adapter 2048 x 1152 60 Hertz Video Resolution (Tripp Lite U344-001-R).....	448.27	
27 29 00 00-2836	EA	USB 3.0 Multi-Drive SD / CF / MS 5Gbps Plug and Play Card Reader (Tripp Lite U352-000-MD).....	168.10	
27 29 00 00-2837	EA	USB 3.0 Super Speed SDXC Card Reader 5Gbps Transfer Plug And Play (Tripp Lite U352-000-SD-R).....	89.66	
27 29 00 00-2838	EA	USB 3.0 SuperSpeed External 2.5" SATA Hard Drive Enclosure (Tripp Lite U357-025-R).....	140.09	
27 29 00 00-2839	EA	USB 3.0 SuperSpeed 4-Port Hub (Tripp Lite U360-004-R).....	263.37	
27 29 00 00-2840	EA	USB 3.0 Charging Hub - 2 USB 3.0; 4 USB 2.0; 1 Charging iPad2 (Tripp Lite U360-412).....	224.12	
27 29 00 00-2841	EA	USB Power Adapter for iPod, Cell Phones And More (Black) (Tripp Lite UAC-1B).....	48.75	
27 29 00 00-2842	EA	Relocateable Power Taps, 9 outlets, 15' cord, Metal-Receptacle Series, no switch, outlet on end. Blue/Gray Color With tabs (Tripp Lite UL17CB-15).....	109.68	
27 29 00 00-2843	EA	Relocateable Power Taps, 6 outlets, 15' cord, Metal-Receptacle Series, switch pilot light. Blue/Gray Color w/tabs (Tripp Lite UL24CB-15).....	98.72	
27 29 00 00-2844	EA	Relocateable Power Taps, 6 outlets, 15' cord, Metal-Receptacle, turned 90 degrees, switch pilot light. Blue/Gray Color w/tabs (Tripp Lite UL24RA-15).....	102.37	
27 29 00 00-2845	EA	Relocateable Power Taps, 4 outlets, 6' cord, Metal-Receptacle Series, no switch. Blue/Gray Color w/tabs (Tripp Lite UL603CB-6).....	65.81	
27 29 00 00-2846	EA	Relocateable Power Taps, 6 outlets, 15' cord, Metal-Duplex Series, switch pilot light. 20 Amperes. Blue/Gray Color w/tabs (Tripp Lite UL620-15).....	232.17	
27 29 00 00-2847	EA	Relocateable Power Taps, 10 outlets, 15' cord, Metal-receptable Series, master switch pilot light. Black color w/tabs (Tripp Lite UL800CB-15).....	157.21	
27 29 00 00-2848	EA	2 OUTLETS Direct Plug-In 600 JOULES Isobar Ultra Surge Suppressor 15-Amperes (Tripp Lite ULTRABLOK).....	76.37	
27 29 00 00-2849	EA	2 OUTLETS Direct Plug-In 600 JOULES Isobar Ultra Surge Suppressor with Modem/Fax Protection (Tripp Lite ULTRAFAX).....	110.50	
27 29 00 00-2850	EA	IEC-320 C13 Outlet Adapter for Intl Plugs (Tripp Lite UNIPUGINT).....	14.22	
27 29 00 00-2851	EA	SmartRack UPS Front Rail Mounting Bracket (Tripp Lite UPSHDEARKIT).....	115.17	
27 29 00 00-2852	EA	Wallmount Bracket for most tower UPS models. Visit: www.tripplite.com (Tripp Lite UPSWM).....	345.30	
27 29 00 00-2853	EA	Digital Media Remote for iTunes (Tripp Lite URM-15T).....	130.00	
27 29 00 00-2854	EA	4 Port USB Device Server - Int (Tripp Lite US-4AI).....	308.74	
27 29 00 00-2855	EA	USB High Speed Serial Adapter (Tripp Lite USA-19HS).....	91.40	
27 29 00 00-2856	EA	USB Twin Serial Adapter ROHS (Tripp Lite USA-28XG).....	453.87	
27 29 00 00-2857	EA	4 Port Serial Adapter RoHS (Tripp Lite USA-49WG).....	446.86	
27 29 00 00-2858	EA	1,250 Watt, 12 Volt DC to AC Inverter for Utility/Work Truck With 2 GFCI Outlets (Tripp Lite UT1250UL).....	1,809.80	
27 29 00 00-2859	EA	2,000 Watt, 12 Volt DC to AC Inverter for Utility/Work Truck With 2 GFCI Outlets (Tripp Lite UT2012UL).....	2,833.52	
27 29 00 00-2860	EA	750 Watt, 12 Volt DC to AC Inverter for Utility/Work Truck With 2 GFCI Outlets (Tripp Lite UT750UL).....	1,444.18	
27 29 00 00-2861	EA	5-16kVA UPS + BP Regular Business Hours Startup in Service Area (Tripp Lite W02-BW0).....	3,656.16	
27 29 00 00-2862	EA	5-16kVA UPS + BP Regular Business Hours Startup +1yr Onsite Warranty in Service Area (Tripp Lite W02-BW1-1BD).....	6,581.09	
27 29 00 00-2863	EA	5-16kVA UPS + BP Regular Business Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02-BW1-247).....	7,495.13	
27 29 00 00-2864	EA	5-16kVA UPS + BP Regular Business Hours Startup +2yr Onsite Warranty in Service Area (Tripp Lite W02-BW2-1BD).....	9,506.02	
27 29 00 00-2865	EA	5-16kVA UPS + BP Regular Business Hours Startup +2yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02-BW2-247).....	11,334.10	
27 29 00 00-2866	EA	5-16kVA UPS + BP Regular Business Hours Startup +3yr OnSite Warranty in Service Area (Tripp Lite W02-BW3-1BD).....	12,430.94	
27 29 00 00-2867	EA	5-16kVA UPS + BP Regular Business Hours Startup +3yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02-BW3-247).....	15,173.06	
27 29 00 00-2868	EA	5-16kVA UPS + BP Eve/Wknd Hours Startup in Service Area (Tripp Lite W02-EW0).....	5,484.24	
27 29 00 00-2869	EA	5-16kVA UPS + BP Eve/Wknd Hours Startup +1yr Onsite Warranty in Service Area (Tripp Lite W02-EW1-1BD).....	8,409.17	
27 29 00 00-2870	EA	5-16kVA UPS + BP Eve/Wknd Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02-EW1-247).....	9,323.21	
27 29 00 00-2871	EA	5-16kVA UPS + BP Eve/Wknd Hours Startup +2yr Onsite Warranty in Service Area (Tripp Lite W02-EW2-1BD).....	11,334.10	
27 29 00 00-2872	EA	5-16kVA UPS + BP Eve/Wknd Hours Startup +2yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02-EW2-247).....	13,162.18	
27 29 00 00-2873	EA	5-16kVA UPS + BP Eve/Wknd Hours Startup +3yr Onsite Warranty in Service Area (Tripp Lite W02-EW3-1BD).....	14,259.02	
27 29 00 00-2874	EA	5-16kVA UPS + BP Eve/Wknd Hours Startup +3yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02-EW3-247).....	17,001.14	
27 29 00 00-2875	EA	20-40kVA UPS Regular Business Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W05-BW1-247).....	6,215.47	
27 29 00 00-2876	EA	20-40kVA UPS+1BP Regular Business Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W05-BW1-247-1B).....	8,774.78	
27 29 00 00-2877	EA	20-40kVA UPS Eve/Wknd Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W05-EW1-247).....	8,043.55	
27 29 00 00-2878	EA	20-40kVA UPS+1BP Eve/Wknd Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W05-EW1-247-1B).....	11,882.52	
27 29 00 00-2879	EA	20-40kVA UPS Prevent Maint AllHrs +1yr Onsite Warranty in Service Area (Tripp Lite W05-SCBAS1).....	15,173.06	
27 29 00 00-2880	EA	20-40kVA UPS +1BP Prevent Maint AllHrs +1yr Onsite Warranty in Service Area (Tripp Lite W05-SCBAS1-1B).....	17,366.76	
27 29 00 00-2881	EA	20-40kVA UPS Prevent Maint Eve/Wknd Hours +1yr Onsite Warranty in Service Area (Tripp Lite W05-SCENH1).....	16,909.74	
27 29 00 00-2882	EA	20-40kVA UPS +1BP Prevent Maint Eve/Wknd Hours +1yr Onsite Warranty in Service Area (Tripp Lite W05-SCENH1-1B).....	19,377.65	



MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2883	EA 60-80kVA UPS Startup Regular Business Hours +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W06-BW1-247).....	7,312.32	
27 29 00 00-2884	EA 60-80kVA UPS+1BP Startup Regular Business Hours +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W06-BW1-247-1B).....	10,237.25	
27 29 00 00-2885	EA 60-80kVA UPS Startup Eve/Wknd Hours +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W06-EW1-247).....	9,140.40	
27 29 00 00-2886	EA 60-80kVA UPS+1BP Startup Eve/Wknd Hours And 1 year 24/7 Onsite Warranty in Service Area (Tripp Lite W06-EW1-247-1B).....	12,796.56	
27 29 00 00-2887	EA 60-80kVA UPS Prevent Maint All Hours And 1 year Onsite Warranty in Service Area (Tripp Lite W06-SCBAS1).....	14,880.57	
27 29 00 00-2888	EA 60-80kVA UPS+1BP Maint AllHrs And 1 year Onsite Warranty in Service Area (Tripp Lite W06-SCBAS1-1B).....	19,597.02	
27 29 00 00-2889	EA 60-80kVA UPS Prevent Maint Eve/Wknd Hours and 1yr Onsite Warranty in Service Area (Tripp Lite W06-SCENH1).....	15,721.49	
27 29 00 00-2890	EA 60-80kVA UPS+1BP Maint Eve/Wknd Hours And 1 year Onsite Warranty in Service Area (Tripp Lite W06-SCENH1-1B).....	20,949.80	
27 29 00 00-2891	EA WatchDog Service Monitoring/Rebooting Software. (Tripp Lite WATCHDOG).....	101.56	
27 29 00 00-2892	EA 3-Year Extended Warranty Coverage for 2200-3000VA Smart Pro And Smart Online UPS (Tripp Lite WEXT3-2200-3000).....	292.49	
27 29 00 00-2893	EA 3-Year Extended Warranty Coverage for SMART5000RT3U UPS (Tripp Lite WEXT3-5000).....	899.42	
27 29 00 00-2894	EA 3-Year Extended Warranty Coverage for SMART5000TEL3U UPS (Tripp Lite WEXT3-5000TEL).....	628.86	
27 29 00 00-2895	EA 3-Year Extended Warranty Coverage for SMART5000RT3UXR UPS (Tripp Lite WEXT3-5000XR).....	1,243.09	
27 29 00 00-2896	EA 3-Year Extended Warranty Coverage for 500-1500VA Smart Pro And Smart Online UPS (Tripp Lite WEXT3-500-1500).....	146.25	
27 29 00 00-2897	EA 3-Year Extended Warranty Coverage for BP192V12 Battery Pack (Tripp Lite WEXT3-BP192V12).....	329.05	
27 29 00 00-2898	EA 3-Year Extended Warranty Coverage for BP192V18 Battery Pack (Tripp Lite WEXT3-BP192V18).....	548.42	
27 29 00 00-2899	EA 3-Year Extended Warranty Coverage for BP240V10 Battery Pack (Tripp Lite WEXT3-BP240V10).....	244.96	
27 29 00 00-2900	EA 3-Year Extended Warranty Coverage for 24 Volt Battery Pack (Tripp Lite WEXT3-BP24V).....	171.84	
27 29 00 00-2901	EA 3-Year Extended Warranty Coverage for 36 Volt Battery Pack (Tripp Lite WEXT3-BP36V).....	171.84	
27 29 00 00-2902	EA 3-Year Extended Warranty Coverage for 48 Volt Battery Pack (Tripp Lite WEXT3-BP48V).....	195.60	
27 29 00 00-2903	EA 3-Year Extended Warranty Coverage for BP48V24-2U Battery Pack (Tripp Lite WEXT3-BP48V24).....	123.94	
27 29 00 00-2904	EA 3-Year Extended Warranty Coverage for BP48V48RT4U Battery Pack (Tripp Lite WEXT3-BP48V48).....	268.00	
27 29 00 00-2905	EA 3-Year Extended Warranty Coverage for BP48V60-3U Battery Pack (Tripp Lite WEXT3-BP48V60).....	244.96	
27 29 00 00-2906	EA 3-Year Extended Warranty Coverage for 72V Battery Pack (Tripp Lite WEXT3-BP72V).....	195.60	
27 29 00 00-2907	EA 3-Year Extended Warranty Coverage for ENVIROSENSE (Tripp Lite WEXT3-ENVIRO).....	98.72	
27 29 00 00-2908	EA 3-YR Extended Warranty for Console KVM Switches (Tripp Lite WEXT3-KVM-CONS).....	2,010.89	
27 29 00 00-2909	EA 3-YR Extended Warranty for Rackmount Non-Console KVM Switches (Tripp Lite WEXT3-KVM-RMNC).....	4,021.78	
27 29 00 00-2910	EA 3-Year Extended Warranty Coverage for Omni Smart And Omni Pro UPS (Tripp Lite WEXT3-OMNI).....	146.25	
27 29 00 00-2911	EA 3-Year Extended Warranty Coverage for PDUHM15AT and PDUHM20AT (Tripp Lite WEXT3-PDU-AT).....	106.03	
27 29 00 00-2912	EA 3-Year Extended Warranty Coverage for Switched PDU's ending with ATNET (Tripp Lite WEXT3-PDU-ATNET).....	131.62	
27 29 00 00-2913	EA 3-Year Extended Warranty Coverage for Switched PDU's ending with HVNET (Tripp Lite WEXT3-PDU-HVNET).....	146.25	
27 29 00 00-2914	EA 3-Year Extended Warranty Coverage for MN Monitored PDU's (Tripp Lite WEXT3-PDU-MN).....	127.97	
27 29 00 00-2915	EA 3-Year Extended Warranty Coverage for Switched PDU's ending with NET (Tripp Lite WEXT3-PDU-NET).....	175.50	
27 29 00 00-2916	EA 3-Year Extended Warranty Coverage for SNMPWEBCARD And SNMPWEBSOLO (Tripp Lite WEXT3-SNMP).....	98.72	
27 29 00 00-2917	EA 3-Year Extended Warranty Coverage for SRCOOL12K (Tripp Lite WEXT3-SRCOOL12K).....	493.58	
27 29 00 00-2918	EA 3-Year Extended Warranty Coverage for SU10KRT3U UPS (Tripp Lite WEXT3-SU10K).....	1,751.30	
27 29 00 00-2919	EA 3-Year Extended Warranty Coverage for SU10KRT3UHV UPS (Tripp Lite WEXT3-SU10KHV).....	1,418.59	
27 29 00 00-2920	EA 3-YR Ext Warranty For SU16K - SU20K Single-Phase UPS Models (Tripp Lite WEXT3-SU16-20K).....	2,778.68	
27 29 00 00-2921	EA 3-Year Extended Warranty Coverage for Smart Online 5000VA UPS (Tripp Lite WEXT3-SU5000).....	1,020.07	
27 29 00 00-2922	EA 3-Year Extended Warranty Coverage for Smart Online 5000VA HV UPS (Tripp Lite WEXT3-SU5000HV).....	851.89	
27 29 00 00-2923	EA 3-Year Extended Warranty Coverage for Smart Online 6000VA UPS (Tripp Lite WEXT3-SU6000).....	1,243.09	
27 29 00 00-2924	EA 3-Year Extended Warranty Coverage for Smart Online 6000VA HV UPS (Tripp Lite WEXT3-SU6000HV).....	987.16	
27 29 00 00-2925	EA 3-Year Extended Warranty Coverage for SU6000RT3UXR UPS (Tripp Lite WEXT3-SU6000XR).....	1,531.93	
27 29 00 00-2926	EA 3-Year Extended Warranty Coverage for Smart Online 8000VA UPS (Tripp Lite WEXT3-SU8000).....	1,268.69	
27 29 00 00-2927	EA 5-Year Extended Warranty Coverage for 2200-3000VA Smart Pro And Smart Online UPS (Tripp Lite WEXT5-2200-3000).....	804.36	
27 29 00 00-2928	EA 5-Year Extended Warranty Coverage for 5000VA Smart Online And Smart Pro UPS (Tripp Lite WEXT5-5000).....	2,694.59	
27 29 00 00-2929	EA 5-Year Extended Warranty Coverage for SMART5000TEL3U UPS (Tripp Lite WEXT5-5000TEL).....	1,886.58	
27 29 00 00-2930	EA 5-Year Extended Warranty Coverage for SMART5000RT3UXR UPS (Tripp Lite WEXT5-5000XR).....	3,725.63	
27 29 00 00-2931	EA 5-Year Extended Warranty Coverage for 500-1500VA Smart Pro And Smart Online UPS (Tripp Lite WEXT5-500-1500).....	402.18	
27 29 00 00-2932	EA 5-Year Extended Warranty Coverage for BC Personal UPS (Tripp Lite WEXT5-BCPERS).....	268.73	
27 29 00 00-2933	EA 5-Year Extended Warranty Coverage for BC Pro UPS (Tripp Lite WEXT5-BCPRO).....	402.18	
27 29 00 00-2934	EA 5-Year Extended Warranty Coverage for BP192V12 Battery Pack (Tripp Lite WEXT5-BP192V12).....	979.85	
27 29 00 00-2935	EA 5-Year Extended Warranty Coverage for BP192V18 Battery Pack (Tripp Lite WEXT5-BP192V18).....	1,645.27	
27 29 00 00-2936	EA 5-Year Extended Warranty Coverage for BP240V10-3U Battery Pack (Tripp Lite WEXT5-BP240V10).....	731.23	
27 29 00 00-2937	EA 5-Year Extended Warranty Coverage for 24 Volt Battery Pack (Tripp Lite WEXT5-BP24V).....	467.99	
27 29 00 00-2938	EA 5-Year Extended Warranty Coverage for 36 Volt Battery Pack (Tripp Lite WEXT5-BP36V).....	467.99	
27 29 00 00-2939	EA 5-Year Extended Warranty Coverage for 48 Volt Battery Pack (Tripp Lite WEXT5-BP48V).....	537.46	
27 29 00 00-2940	EA 5-Year Extended Warranty Coverage for BP48V24-2U / TAA Battery Pack (Tripp Lite WEXT5-BP48V24).....	371.83	
27 29 00 00-2941	EA 5-Year Extended Warranty Coverage for BP48V48RT4U Battery Pack (Tripp Lite WEXT5-BP48V48).....	803.99	
27 29 00 00-2942	EA 5-Year Extended Warranty Coverage for BP48V60-3U Battery Pack (Tripp Lite WEXT5-BP48V60).....	731.23	
27 29 00 00-2943	EA 5-Year Extended Warranty Coverage for 72V Battery Pack (Tripp Lite WEXT5-BP72V).....	537.46	
27 29 00 00-2944	EA 5-Year Extended Warranty Coverage for ENVIROSENSE (Tripp Lite WEXT5-ENVIRO).....	268.73	
27 29 00 00-2945	EA 5-Year Extended Warranty Coverage for Internet Office UPS (Tripp Lite WEXT5-INTERNET).....	182.81	
27 29 00 00-2946	EA 5-YR Extended Warranty for Console KVM Switches (Tripp Lite WEXT5-KVM-CONS).....	4,021.78	
27 29 00 00-2947	EA 5-YR Extended Warranty for Rackmount Non-Console KVM Switches (Tripp Lite WEXT5-KVM-RMNC).....	8,043.55	
27 29 00 00-2948	EA 5-Year Extended Warranty Coverage for Omni Smart And Omni Pro UPS (Tripp Lite WEXT5-OMNI).....	402.18	
27 29 00 00-2949	EA 5-Year Extended Warranty Coverage for PDUHM15AT and PDUHM20AT (Tripp Lite WEXT5-PDU-AT).....	310.77	
27 29 00 00-2950	EA 5-Year Extended Warranty Coverage for Switched PDU's ending with ATNET (Tripp Lite WEXT5-PDU-ATNET).....	391.21	
27 29 00 00-2951	EA 5-Year Extended Warranty Coverage for Switched PDU's ending with HVNET (Tripp Lite WEXT5-PDU-HVNET).....	431.43	
27 29 00 00-2952	EA 5-Year Extended Warranty Coverage for MN Monitored PDU's (Tripp Lite WEXT5-PDU-MN).....	347.34	
27 29 00 00-2953	EA 5-Year Extended Warranty Coverage for Switched PDU's ending with NET (Tripp Lite WEXT5-PDU-NET).....	526.49	
27 29 00 00-2954	EA 5-Year Extended Warranty Coverage for SNMPWEBCARD And SNMPWEBSOLO (Tripp Lite WEXT5-SNMP).....	268.73	
27 29 00 00-2955	EA 5-Year Extended Warranty Coverage for SRCOOL12K (Tripp Lite WEXT5-SRCOOL12K).....	987.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 29 00 00-2956	EA	5-Year Extended Warranty Coverage for SU10KRT3U UPS (Tripp Lite WEXT5-SU10K).....	5,250.25	
27 29 00 00-2957	EA	5-Year Extended Warranty Coverage for SU10KRT3UHV UPS (Tripp Lite WEXT5-SU10KHV).....	4,252.11	
27 29 00 00-2958	EA	5-YR Ext Warranty For SU16K - SU20K Single-Phase UPS Models (Tripp Lite WEXT5-SU16-20K).....	8,336.04	
27 29 00 00-2959	EA	5-Year Extended Warranty Coverage for Smart Online 5000VA UPS (Tripp Lite WEXT5-SU5000).....	3,060.21	
27 29 00 00-2960	EA	5-Year Extended Warranty Coverage for Smart Online 5000VA HV UPS (Tripp Lite WEXT5-SU5000HV).....	2,555.66	
27 29 00 00-2961	EA	5-Year Extended Warranty Coverage for Smart Online 6000VA UPS (Tripp Lite WEXT5-SU6000).....	3,725.63	
27 29 00 00-2962	EA	5-Year Extended Warranty Coverage for Smart Online 6000VA HV UPS (Tripp Lite WEXT5-SU6000HV).....	2,957.83	
27 29 00 00-2963	EA	5-Year Extended Warranty Coverage for SU6000RT5UXR UPS (Tripp Lite WEXT5-SU6000XR).....	4,595.79	
27 29 00 00-2964	EA	5-Year Extended Warranty Coverage for Smart Online 8000VA UPS (Tripp Lite WEXT5-SU8000).....	3,806.06	

## 27 30 Voice Communications <sup>(27)</sup>

### 27 31 Voice Communications Switching and Routing Equipment <sup>(27 30)</sup>

Note: Includes testing of new devices and certification.

#### 27 31 13 PBX/Key Systems <sup>(27 31)</sup>

27 31 13 00-0001		Interior PBX Telephone System <sup>(27 31 13)</sup> Note: Includes telephone instruments cabling and solid state switching.		
27 31 13 00-0002		Interior PBX Telephone System <sup>(27 31 13 00-0001)</sup> Note: Cost is for each line up to 1000 lines.		
27 31 13 00-0003	EA	1 Line PBX Connection, Cost Per Each Line Up To 1,000 .....	1,657.81	500.58
27 31 13 00-0004		Additional Telephones Less Solid State Switching (PBX) <sup>(27 31 13 00-0001)</sup>		
27 31 13 00-0005	EA	Add For Each Additional PBX Phone Line Less Solid State Switching.....	609.57	39.38
27 31 13 00-0006		Telephones <sup>(27 31 13 00-0001)</sup>		
27 31 13 00-0007	EA	Telephones, Desk Type Intercommunication Equipment.....	225.59	37.45
27 31 13 00-0008	EA	Telephones, Wall Type Intercommunication Equipment.....	4,250.83	49.94

### 27 32 Voice Communications Terminal Equipment <sup>(27 30)</sup>

Note: Includes testing of new devices and certification.

#### 27 32 13 Telephone Sets <sup>(27 32)</sup>

27 32 13 00-0001		Interior Telephone Components <sup>(27 32 13)</sup>		
27 32 13 00-0002	EA	Solid State Exchange Unit With Power Supply .....	7,083.33	877.62
27 32 13 00-0003	EA	Dial Telephone - Handset In Cabinet.....	864.71	71.74
27 32 13 00-0004	EA	Elevator Cab Telephone With Trailer Cable.....	421.39	76.92
27 32 13 00-0005	EA	Loud Ring Bell, 6" .....	325.85	71.36
27 32 13 00-0006	EA	Audio/Visual Indicator .....	425.54	67.23
27 32 13 00-0007	EA	Administrative Telephone With Digital Display.....	447.49	60.32
27 32 13 00-0008	EA	Processing Unit For 16 Station System .....	2,132.93	492.02
27 32 13 00-0009	EA	Handset For 16 Station System.....	312.69	48.98
27 32 13 00-0010	EA	Handset In Cabinet, For 16 Station System.....	423.69	66.07
27 32 13 00-0011	MLF	20 Conductor Unshielded Cable, #22 .....	2,560.71	1,059.04
27 32 13 00-0012	EA	Power Supply For 16 Station System .....	362.97	130.71
27 32 13 00-0013	EA	Intercom Terminal Board .....	306.88	147.13
27 32 13 00-0014	EA	Power Supply For Five Station System, 24 Volt DC .....	379.57	130.71
27 32 13 00-0015	EA	Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick.....	189.48	53.69
27 32 13 00-0016	EA	Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep .....	614.55	118.17
27 32 13 00-0017	EA	Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep .....	728.07	134.31
27 32 13 00-0018	EA	Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep .....	884.71	158.97
27 32 13 00-0019	EA	Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep .....	1,051.12	171.86
27 32 13 00-0020	EA	Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep .....	1,671.16	195.55
27 32 13 00-0021	EA	Ring Rung 3".....	10.78	5.35
27 32 13 00-0022	EA	G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID .....	27.77	9.51
27 32 13 00-0023	EA	G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing.....	49.25	19.49

#### 27 32 13 00-0024 Interior Telephone Accessories <sup>(27 32 13)</sup>

27 32 13 00-0025	EA	Blank Telephone Receptacle, Exposed Devices - Complete .....	11.08	5.18
27 32 13 00-0026	EA	4-Pin Telephone Receptacle, Exposed Devices - Complete.....	26.03	19.98
27 32 13 00-0027	EA	Dual Flush Mounted, Level 5, RJ-45 Jack, Complete .....	68.82	21.93
27 32 13 00-0028	EA	Wall Mount, Level 5, RJ-45 Jack, Complete .....	63.27	21.93
27 32 13 00-0029	EA	Terminating Strips, Inside .....	129.33	43.86
27 32 13 00-0030	EA	Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete.....	51.54	22.57
27 32 13 00-0031	EA	Ready Access Closure 3 To 25 Pair .....	156.57	52.92
27 32 13 00-0032	EA	Ready Access Closure 25 To 100 Pair .....	187.45	59.16
27 32 13 00-0033	EA	Termination Block With Bracket 25 Pair.....	62.75	17.77
27 32 13 00-0034	EA	RJ-11 Telephone Receptacle, Concealed Devices - Complete .....	50.48	22.28
27 32 13 00-0035	EA	Interior Protected Terminal 25 Pair .....	833.99	128.31
27 32 13 00-0036	EA	Interior Protected Terminal 50 Pair .....	1,023.92	130.32
27 32 13 00-0037	EA	Pedestal 6" x 6" x 50" 3 To 100 Pair .....	328.45	53.40
27 32 13 00-0038	EA	Pedestal 8" x 8" x 50" 100 To 300 Pair .....	341.76	53.40
27 32 13 00-0039	EA	Pedestal 10" x 10" x 43" 300 To 600 Pair .....	454.87	68.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 13 00-0040 EA Pedestal 10" x 16" x 439 600 Pair.....	973.81	123.03
27 32 13 00-0041 EA Entrance Protector Terminal 100 Pair.....	1,395.64	140.41
27 32 13 00-0042 EA Gas Protection Module.....	17.46	4.80
27 32 13 00-0043 EA Terminating Boxes, Outside With 3 Element Protectors, Per Pair.....	36.50	4.38

**27 32 26 Ring-Down Emergency Telephones (27 32)**

<b>27 32 26 00-0001</b>	<b>Emergency Telephone (27 32 26)</b> Note: Includes CB3000 speakerphone, 3 auxiliary inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70 watt area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.		
27 32 26 00-0002 EA	Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s).....	10,626.27	396.93
27 32 26 00-0003 EA	Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d)..... Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.	11,203.02	396.93
27 32 26 00-0004 EA	Analog Speakerphone With Black Info Button And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2).....	192.25	
27 32 26 00-0005 EA	Analog Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2-K).....	288.37	
27 32 26 00-0006 EA	IP Speakerphone With Single Red Push For Help Button Code Blue Option (Code Blue IP5000 FP1).....	720.94	
27 32 26 00-0007 EA	IP Speakerphone With Back Info Button And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2).....	980.47	
27 32 26 00-0008 EA	IP Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2-K).....	1,076.60	
27 32 26 00-0009 EA	EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option.....	19.22	
27 32 26 00-0010 EA	EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option.....	19.22	
27 32 26 00-0011 EA	Directory, Second Opening Code Blue Option.....	173.02	
27 32 26 00-0012 EA	Camera Enclosure With Color IP Camera, Second Opening Code Blue Option.....	1,826.37	
27 32 26 00-0013 EA	HID Card Reader, Second Opening Code Blue Option.....	845.90	
27 32 26 00-0014 EA	HID Card Reader And Color IP Camera, Second Opening Code Blue Option.....	2,739.56	
27 32 26 00-0015 EA	IP Wireless Communication Code Blue Option..... Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.	5,757.88	
27 32 26 00-0016 EA	Active Venting Code Blue Option.....	307.60	
27 32 26 00-0017 EA	Night Charge Power Code Blue Option..... Note: Requires 120V AC external power supplied to Code Blue unit.	2,681.88	
27 32 26 00-0018 EA	Power Transformer Kit, Alternate Incoming Power Code Blue Option.....	672.87	
27 32 26 00-0019 EA	Overhead Camera Mount Code Blue Option..... Note: Excludes camera.	1,528.38	
27 32 26 00-0020 EA	Custom Color For Overhead Camera Mount Code Blue Option.....	67.29	
<b>27 32 26 00-0021</b>	<b>City Police Call System (27 32 26)</b>		
<b>27 32 26 00-0022</b>	<b>Components (27 32 26 00-0021)</b>		
27 32 26 00-0023 EA	City Police Call System.....	819.61	111.98
27 32 26 00-0024 EA	Concrete Foundation For Police Department Telephone Post.....	705.42	162.21

**27 40 Audio-Video Communications (27)**

**27 41 Audio-Video Systems (27 40)**

**27 41 16 Integrated Audio-Video Systems and Equipment (27 41)**

Note: Includes testing of new devices and certification.

<b>27 41 16 00-0001</b>	<b>Television Distribution System (27 41 16)</b> See CSI section 26 05 13 16-0001 for basic wiring.		
<b>27 41 16 00-0002</b>	<b>Mounted Television Support (27 41 16 00-0001)</b>		
27 41 16 00-0003 EA	Ceiling Mounted Television Support, 19" To 20".....	423.53	107.79
27 41 16 00-0004 EA	Ceiling Mounted Television Support, 19" To 20" With Rack.....	557.81	120.30
27 41 16 00-0005 EA	Ceiling Mounted Television Support, 25" To 27".....	444.87	107.79
27 41 16 00-0006 EA	Ceiling Mounted Television Support, 25" To 27" With Rack.....	579.15	120.30
27 41 16 00-0007 EA	Wall Mounted Television Support, 13".....	336.47	86.62
27 41 16 00-0008 EA	Wall Mounted Television Support, 13" With Rack.....	470.74	96.24
27 41 16 00-0009 EA	Wall Mounted Television Support, 19" To 20".....	364.48	86.62
27 41 16 00-0010 EA	Wall Mounted Television Support, 19" To 20" With Rack.....	498.75	96.24
27 41 16 00-0011 EA	Wall Mounted Television Support, 25" To 27".....	392.48	86.62
27 41 16 00-0012 EA	Wall Mounted Television Support, 25" To 27" With Rack.....	526.76	96.24
<b>27 41 16 00-0013</b>	<b>Distribution System (27 41 16 00-0001)</b> See CSI section 26 05 13 16-0001 for wire and cabling.		
<b>27 41 16 00-0014</b>	<b>TV Distribution Rack (27 41 16 00-0013)</b>		
27 41 16 00-0015 EA	Steel Rack Cabinet With Shelves.....	1,617.91	176.62

<b>27</b>	<b>Communications</b>
<b>27 40</b>	<b>Audio-Video Communications</b>
<b>27 41</b>	<b>Audio-Video Systems</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 16 00-0016 EA Switch And Pilot Light .....	227.86	78.47
27 41 16 00-0017 LF Surface Raceway With Outlets .....	26.66	10.66
27 41 16 00-0018 EA Service Label .....	30.68	14.69
<b>27 41 16 00-0019 Head End Amplifier (27 41 16 00-0013)</b>		
27 41 16 00-0020 EA Head End Amplifier .....	1,079.52	117.56
<b>27 41 16 00-0021 UHF In-Line Booster Amplifier And Power Supply (27 41 16 00-0013)</b>		
27 41 16 00-0022 EA UHF In-Line Booster .....	607.56	117.56
<b>27 41 16 00-0023 Preamplifiers (27 41 16 00-0013)</b>		
27 41 16 00-0024 EA VHF Preamplifier .....	773.75	117.56
27 41 16 00-0025 EA UHF Preamplifier .....	607.56	117.56
<b>27 41 16 00-0026 Power Supplies (27 41 16 00-0013)</b>		
27 41 16 00-0027 EA Common Power Supply .....	1,105.34	167.98
<b>27 41 16 00-0028 Line Splitter And Mixer (27 41 16 00-0013)</b>		
27 41 16 00-0029 EA Line Splitter .....	84.02	39.19
27 41 16 00-0030 EA Two-Way Splitter .....	97.25	39.19
27 41 16 00-0031 EA Frequency Filter .....	229.05	58.87
27 41 16 00-0032 EA Line Splitter And Mixer .....	257.50	86.44
<b>27 41 16 00-0033 Power Line Filters (27 41 16 00-0013)</b>		
27 41 16 00-0034 EA 120-Volt Power Supply Line Filter .....	460.51	78.47
<b>27 41 16 00-0035 Wall Box And Receiver Outlets (27 41 16 00-0013)</b>		
27 41 16 00-0036 EA Wall Box With Lockable Cover, Excluding Outlet Plug .....	229.05	58.87
27 41 16 00-0037 EA TV Receiver Outlet Plug .....	97.25	39.19
27 41 16 00-0038 EA TV Camera Outlet Plug .....	97.25	39.19
27 41 16 00-0039 EA Audio Outlet Plug .....	80.68	39.19
27 41 16 00-0040 EA 12 Ft RG 6U Cable With G-59 And TV Set Fittings .....	169.69	78.47
27 41 16 00-0041 EA Male Plug PL-259 .....	97.25	39.19
27 41 16 00-0042 EA Wall Box And Receiver Outlet Television Outlets .....	110.25	41.10
27 41 16 00-0043 EA 24.5"W x 30.2"H x 4-3/8"D, 2-Space, Flush Mount (Recessed) A/V Equipment Box (Middle Atlantic Products TOR-2-20RP) .....	776.63	14.41
27 41 16 00-0044 EA 24.5"W x 30.2"H x 6.2"D, 3-Space, Flush Mount (Recessed) A/V Equipment Box (Middle Atlantic Products TOR-3-20RP) .....	821.47	14.41
27 41 16 00-0045 EA 24.5"W x 30.2"H x 8"D, 4-Space, Flush Mount (Recessed) A/V Equipment Box (Middle Atlantic Products TOR-4-20RP) .....	862.35	14.41
27 41 16 00-0046 EA 24.5"W x 30.2"H x 4-3/8"D, 2-Space, Surface Mount A/V Equipment Box (Middle Atlantic Products TOR-2-20SP) .....	721.23	14.41
27 41 16 00-0047 EA 24.5"W x 30.2"H x 6.2"D, 3-Space, Surface Mount A/V Equipment Box (Middle Atlantic Products TOR-3-20SP) .....	763.44	14.41
27 41 16 00-0048 EA 24.5"W x 30.2"H x 8"D, 4-Space, Surface Mount A/V Equipment Box (Middle Atlantic Products TOR-4-20SP) .....	803.00	14.41
<b>27 41 33 Master Antenna Television Systems (27 41)</b>		
<b>27 41 33 00-0001 Antenna Systems (27 41 33)</b>		
<b>27 41 33 00-0002 Antenna (27 41 33 00-0001)</b>		
27 41 33 00-0003 EA Amateur Radio Antenna .....	1,018.33	144.06
27 41 33 00-0004 EA Multi-Band Radio Antenna .....	780.26	144.06
<b>27 41 33 00-0005 Receptacles (27 41 33 00-0001)</b>		
27 41 33 00-0006 EA Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter .....	212.44	58.87
27 41 33 00-0007 EA Multi-Band Radio Antenna System Receptacle With Mating Plugs .....	212.44	58.87
<b>27 41 43 Audio-Video Conferencing (27 41)</b>		
<b>27 41 43 00-0001 AVS Control Systems (27 41 43)</b>		
27 41 43 00-0002 EA 7" Wall Mount, TouchLink Pro Touchpanel Controller (Extron TLP Pro 720M) .....	2,002.37	24.01
27 41 43 00-0003 EA Back Box For TLP Pro 720M (Extron BB 720M) .....	166.74	4.80
27 41 43 00-0004 EA IPCP 505 IP Link Controller (Extron 60-1071-02) .....	4,211.98	24.01
27 41 43 00-0005 EA IPL250 IP Link Controller (Extron 60-1026-81) .....	2,158.47	24.01
27 41 43 00-0006 EA TLP 1000 10" TouchLink Touchpanel (Extron 60-1104-02) .....	5,353.12	24.01
27 41 43 00-0007 EA MLC 64 RS Keypad Controller (Extron 60-1182-02) .....	1,098.40	24.01
27 41 43 00-0008 EA MLC 226IP AAP Keypad Controller (Extron 60-600-15) .....	3,012.16	24.01
27 41 43 00-0009 EA MLC 226IP AAP Keypad Controller (Extron 60-600-12) .....	2,623.83	24.01
27 41 43 00-0010 EA AAP Device Plate (Extron OFR47-V) .....	90.70	9.61
27 41 43 00-0011 EA AC USB APP Plate (Extron 70-608-12) .....	300.64	9.61
27 41 43 00-0012 EA CM-9BLB 9-Button Control Module (Extron 70-494-03) .....	562.09	9.61





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 41 43 00-0013</b> <b>Video Switcher</b> <small>(27 41 43)</small>		
27 41 43 00-0014 EA DVS 605 A Five Input HDCP Compliant Scaler With Seamless Audio Switching (Extron 60-1059-02).....	6,073.42	24.01
27 41 43 00-0015 EA XTP Crosspoint 3200 Series Frame (Extron 60-1167-01).....	27,154.91	24.01
27 41 43 00-0016 EA XTP Crosspoint 1600 Series Frame (Extron 60-1250-01).....	12,337.24	24.01
27 41 43 00-0017 EA XTP CP 4I DVI PRO Input Board (Extron 70-684-11).....	4,337.46	72.03
27 41 43 00-0018 EA XTP CP 4I HDMI Input Board (Extron 70-685-11).....	4,337.46	72.03
27 41 43 00-0019 EA XTP CP 4O DVI PRO Output Board (Extron 70-686-11).....	1,944.18	72.03
27 41 43 00-0020 EA XTP CP 4O Output Board (Extron 70-687-11).....	1,944.18	72.03
27 41 43 00-0021 EA XTP CP 4I Input Board (Extron 70-940-01).....	5,882.54	72.03
27 41 43 00-0022 EA XTP CP 4I VGA Input Board (Extron 70-941-01).....	4,337.46	72.03
27 41 43 00-0023 EA XTP CP 4O Output Board (Extron 70-943-01).....	3,539.70	72.03
27 41 43 00-0024 EA XTP CP 4O SA Output Board (Extron 70-944-01).....	1,412.34	72.03
27 41 43 00-0025 EA SW2 HDMI Two Input Switcher With Contact Closure (Extron 60-841-21).....	1,062.25	24.01
<b>27 41 43 00-0026</b> <b>Video Scaler</b> <small>(27 41 43)</small>		
27 41 43 00-0027 EA VP-410 Composite Video And Stereo Audio To HDMI Scaler (Kramer VP-410).....	725.95	9.61
<b>27 41 43 00-0028</b> <b>Video Down-Converter</b> <small>(27 41 43)</small>		
27 41 43 00-0029 EA DVI to Computer Graphics/Component/HDTV Video Format Converter (Kramer FC-32).....	622.30	9.61
27 41 43 00-0030 EA HDMI to Composite and S-Video Scaler (Gefen GTV-HDMI-2-Compsvidsn).....	526.61	9.61
27 41 43 00-0031 EA HDMI Up/Down Scaler and Converter (Aftona AT-HD550).....	432.07	9.61
<b>27 41 43 00-0032</b> <b>Transmitters And Receivers</b> <small>(27 41 43)</small>		
27 41 43 00-0033 EA XTP T HDMI Transmitter (Extron 60-1043-12).....	1,966.38	24.01
27 41 43 00-0034 EA XTP T USW 103 Transmitter (Extron 60-1198-01).....	2,764.14	24.01
27 41 43 00-0035 EA DTP HDMI 230 Tx Transmitter (Extron 60-1271-12).....	1,009.07	24.01
27 41 43 00-0036 EA XTP SR HDMI Scaling Receiver (Extron 60-1043-13).....	1,567.50	24.01
27 41 43 00-0037 EA DTP HDMI 230 Rx Receiver (Extron 60-1271-13).....	1,009.07	24.01
<b>27 41 43 00-0038</b> <b>Extenders</b> <small>(27 41 43)</small>		
27 41 43 00-0039 EA Category 5 USB 2.0 Extender (Gefen EXT-USB 2.0-LR).....	672.11	9.61
<b>27 41 43 00-0040</b> <b>Audio DSP</b> <small>(27 41 43)</small>		
27 41 43 00-0041 EA Audia Flex NC (Biamp NC 240).....	5,148.49	24.01
27 41 43 00-0042 EA MVC C 121 Plus Three Input Stereo Mixer With DSP (Extron 60-1096-01).....	758.61	24.01
<b>27 41 43 00-0043</b> <b>Amplifier</b> <small>(27 41 43)</small>		
27 41 43 00-0044 EA Four-Channel Power Amplifier 200 Watt Per Channel At 70V (QSC CX204V).....	3,381.53	24.01
27 41 43 00-0045 EA XPA 2001 Mono 70 V Amplifier 200 Watt (Extron 60-850-01).....	1,109.51	24.01
27 41 43 00-0046 EA MP 401 Mono 70 V Amplifier 40 Watt (Extron 60-845-01).....	790.41	24.01
<b>27 41 43 00-0047</b> <b>Speakers</b> <small>(27 41 43)</small>		
27 41 43 00-0048 EA 2' x 2', Two-Way Ceiling Speakers (Extron SF 228T).....	900.48	67.23
27 41 43 00-0049 EA SI 26CT Two-Way Ceiling Speakers With 8" Back Can And 70/100 V Transformer (Extron 42-070-03).....	564.54	38.42
27 41 43 00-0050 EA SM 26T SpeedMount Two-Way Surface Mount Speakers With 6.5" Woofer (Extron 60-1308-02).....	539.30	38.42
27 41 43 00-0051 EA SI 65 P/T Full-Range Satellite Pendant Speaker (JBL C65P/T).....	826.35	38.42
<b>27 41 43 00-0052</b> <b>Microphones</b> <small>(27 41 43)</small>		
27 41 43 00-0053 EA MX418 SE Gooseneck With H500 Shock Mount And Windscreen (Shure MX418SE/N).....	333.16	9.61
27 41 43 00-0054 EA MX202 Microflex Overhead (Shure MX202B/S).....	379.28	24.01
27 41 43 00-0055 EA MLP 101 AAP Microphone Preamp (Extron 60-718-11).....	534.81	24.01
<b>27 41 43 00-0056</b> <b>Wireless Microphone System</b> <small>(27 41 43)</small>		
27 41 43 00-0057 EA ULX Professional Series Wireless Handheld Microphone System (Shure ULXP24/58).....	1,904.42	24.01
27 41 43 00-0058 EA ULX Professional Series Wireless Dual Mixed Microphone System (Shure ULXP124/85).....	2,502.44	24.01
<b>27 41 43 00-0059</b> <b>Video Conferencing System</b> <small>(27 41 43)</small>		
27 41 43 00-0060 EA PrecisionHD 1080P 12X Camera (Cisco CTS-SX20-PHD12X-K9).....	18,029.74	96.04
<b>27 41 43 00-0061</b> <b>Document Camera</b> <small>(27 41 43)</small>		
27 41 43 00-0062 EA Document Camera (Elmo P-10).....	3,591.97	24.01
<b>27 41 43 00-0063</b> <b>Interactive Display</b> <small>(27 41 43)</small>		

<b>27</b>	<b>Communications</b>
<b>27 40</b>	<b>Audio-Video Communications</b>
<b>27 41</b>	<b>Audio-Video Systems</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 43 00-0064 EA Podium 518 18" Pen Display (Smart SP518-SMP) ..... Note: Pivot and swivel display mount compatible with lectern.	7,126.77	24.01
<b>27 41 43 00-0065 Security Surveillance System (27 41 43)</b>		
27 41 43 00-0066 EA 8 Channel, H.264 Security, 500GB DVR Video Surveillance System With 4 Day/Night Cameras (Zmodo KDF8- BARBZ4ZN-500GB) .....	1,176.47	192.09
<b>27 41 43 00-0067 Assistive Listening System (27 41 43)</b>		
27 41 43 00-0068 EA Stationary RF Transmitter (Listen Technologies LT-800-072) .....	1,757.61	24.01
27 41 43 00-0069 EA Portable Digital RF Receiver (72 MHz) (Listen Technologies LR-300-072) .....	213.38	
27 41 43 00-0070 EA 4-Unit RF Product Charging/Carrying (Listen Technologies LA-317).....	480.50	
27 41 43 00-0071 EA Remote Antenna Kit (Listen Technologies LA-130) .....	201.42	9.61
<b>27 41 43 00-0072 Projector (27 41 43)</b>		
27 41 43 00-0073 EA Large Venue Projector (Panasonic PT-DZ8700U) .....	79,578.25	48.02
27 41 43 00-0074 EA Fixed Projector (Panasonic PT-FW430U).....	3,747.59	48.02
27 41 43 00-0075 EA Compact Power Conditioner (Surge SA82).....	540.30	9.61
<b>27 41 43 00-0076 Projector Mount (27 41 43)</b>		
27 41 43 00-0077 EA RPA Elite Projector Mount With Keyed Locking (Chief RPMA145).....	444.42	52.83
27 41 43 00-0078 EA Custom Projector Mount (Chief VCM75P) .....	758.48	52.83
<b>27 41 43 00-0079 Ceiling Box For Projector (27 41 43)</b>		
27 41 43 00-0080 EA 2' x 2' Ceiling Box With 6 AC Outlets (FSR CB-22P) .....	1,233.53	38.42
<b>27 41 43 00-0081 Projection Screens (27 41 43)</b>		
27 41 43 00-0082 EA 60" x 96" Contour Electrol Projector Screen (Da-Lite 37570) .....	2,270.73	220.90
27 41 43 00-0083 EA 100" x 160" Tensioned Advantage Deluxe Electrol Projector Screen (Da-Lite 70092) .....	9,985.53	480.20
<b>27 41 43 00-0084 Flat Screen Display Mount (27 41 43)</b>		
27 41 43 00-0085 EA SmartMount Universal AV TV Mount (PeerLess SF650) .....	195.34	52.83
<b>27 41 43 00-0086 Flat Screen Displays (27 41 43)</b>		
27 41 43 00-0087 EA 32" Edge-Lit LED Display (Samsung ME32C) .....	1,339.64	24.01
27 41 43 00-0088 EA 46" Edge-Lit LED Display (Samsung ME46C) .....	2,302.19	28.81
27 41 43 00-0089 EA 55" Edge-Lit LED Display (Samsung ME55C) .....	3,722.13	33.61
27 41 43 00-0090 EA 60" Edge-Lit LED Display (Sharp PN-E602) .....	6,568.52	36.01
<b>27 41 43 00-0091 Cable Cubby (27 41 43)</b>		
27 41 43 00-0092 EA Cable Cubby 600 Furniture-Mountable Brushed Aluminum Enclosure For Cables, And AAPs (Extron 60-714-10) .....	1,345.86	48.02
27 41 43 00-0093 EA Cable Cubby 600 Furniture-Mountable Black Enclosure For Cables, And AAPs (Extron 60-714-00).....	976.33	48.02
27 41 43 00-0094 EA Cable Cubby 600 Furniture-Mountable Black Enclosure For Cables, AAPs, And AC Power Outlets (Extron 60- 525-01) .....	1,026.76	48.02
27 41 43 00-0095 EA AC Power Modules For Use With Cable Cubby And TLE Series Enclosures (Extron 70-264-01) .....	300.64	24.01
<b>27 41 43 00-0096 Power Conditioners (27 41 43)</b>		
27 41 43 00-0097 EA Power Conditioner (Furman PL-8C) .....	474.69	24.01
27 41 43 00-0098 EA Power Conditioner (Furman P8PROII).....	634.16	24.01
27 41 43 00-0099 EA Power Management System (Middle Atlantic RLNK-SW715R) .....	1,644.05	24.01
<b>27 41 43 00-0100 Lecterns (27 41 43)</b>		
27 41 43 00-0101 EA Doctorate Lectern With Overbridge Control Console.....	8,369.99	
For Large Blank Instrument Panel, Add	155.49	
For Drawer, Add	308.98	
For Logo Panel, Add	348.84	
For Rack Mount Pull Out Shelf, Add	295.02	
For 18" Gooseneck LED Light, Enlighten Series, Surface Mount, Add	209.31	
For 2RU Rack Mount Blank, Add	47.84	
For Rack Mount Fan, Single, Add	322.93	
For Flat Panel Monitor Arm Light Monitor, Up To 11.5 LB, Add	528.25	
For Universal Cord Reel Kit, Add	324.92	



<b>Communications</b>	<b>27</b>	
<b>Audio-Video Communications</b>	<b>27 40</b>	<b>27</b>
<b>Audio-Video Systems</b>	<b>27 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 43 00-0102 EA Media Manager With Overbridge Control Console .....	4,730.05	
For Large Blank Instrument Panel, Add	155.49	
For Rear Rack Rail Kit, Add	191.37	
For Rack Mount Pull Out Shelf, Add	295.02	
For Flat Panel Monitor Arm Light Monitor, Up To 11.5 LB, Add	528.25	
For Large Logo Plate, Add	129.57	
For 2RU Rack Mount Drawer, Add	269.11	
For 18" Gooseneck LED Light, Enlighten Series, Surface Mount, Add	209.31	
For 1/2RU Rack Mount Blank, Add	39.87	
For Rack Mount Fan, Single, Add	322.93	
For Universal Cord Reel Kit, Add	324.92	
27 41 43 00-0103 EA 42" Inspiration Lectern.....	2,381.82	
For Small Blank Instrument Panel, Add	113.62	
For Econo Keyboard Tray, Add	257.15	
For 2RU Rack Mount Drawer, Add	269.11	
For Rack Rail Kit, Add	103.66	
For Locking Door, Add	293.03	
For 2RU Rack Mount Blank, Add	47.84	
For Folding Shelf, Add	653.84	
For Rack Mount Fan, Single, Add	322.93	
For 2RU Rack Mount Drawer, Add	269.11	
For Flat Panel Monitor Arm Light Monitor, Up To 11.5 LB, Add	528.25	
For Universal Cord Reel Kit, Add	324.92	
<b>27 41 43 00-0104 Small AV Rack (27 41 43)</b>		
27 41 43 00-0105 EA Equipment Rack Cart With Keyboard Shelf And 17 Rack Spaces (Da-Lite 99480LOL) .....	2,560.88	24.01
27 41 43 00-0106 EA 19" Pull Out, Rotating Sliding Rail System (Middle Atlantic SRSR-4-22).....	1,245.62	24.01
<b>27 41 43 00-0107 Large AV Rack (27 41 43)</b>		
27 41 43 00-0108 EA 19" Gangable Enclosure (Middle Atlantic WRK-44-32).....	2,306.24	24.01

## 27 50 Distributed Communications and Monitoring Systems (27)

### 27 51 Distributed Audio-Video Communications Systems (27 50)

#### 27 51 17 Video Intercom and Exterior Gate Control System (27 51)

##### 27 51 17 00-0001 Video Intercom And Exterior Gate Control System (27 51 17)

27 51 17 00-0002 EA Audio Video Master Control Station With Handset, White Finish (Aiphone IX-MV7-HW) .....	1,410.84	120.30
27 51 17 00-0003 EA Audio Video Master Control Station (Aiphone AX-8MV) .....	1,123.59	120.30
27 51 17 00-0004 EA 16-call Add-on Selector For AX Masters (Aiphone AX-16SW).....	440.07	120.30
27 51 17 00-0005 EA Central Exchange Unit (Aiphone AX-084C).....	1,369.01	60.15
27 51 17 00-0006 EA Central Exchange Unit (Aiphone AX-248C).....	1,875.67	60.15
27 51 17 00-0007 EA Touch Tone Programmable Dialer (Viking K-1900-5).....	132.62	24.06
27 51 17 00-0008 EA Surface Mount Audio/Video Door Station (Aiphone IX-DV) .....	995.58	24.06
27 51 17 00-0009 EA Surface Or Flush Wall Mount Audio/Video Door Station (Aiphone IX-DVF) .....	1,372.63	24.06
27 51 17 00-0010 EA Surface Mount Audio/Video Door Station (Aiphone AX-DV) .....	437.76	24.06
27 51 17 00-0011 EA Flush Mount Audio/Video Door Station (Aiphone AX-DVF) .....	494.94	24.06
27 51 17 00-0012 EA 12 Volt, 2.5 Amperes, DC Power Supply (Aiphone PS-1225UL) .....	131.77	12.03
Note: UL Listed		
27 51 17 00-0013 EA 24 Volt, 2 Amperes, DC Power Supply (Aiphone PS-2420UL).....	143.75	12.03
Note: UL Listed		
27 51 17 00-0014 EA IP Video Master Station (Aiphone IX-MV).....	1,734.95	120.30
27 51 17 00-0015 EA Handset Only For IX-MV (Aiphone 285999) .....	59.07	4.81
27 51 17 00-0016 EA Hands Free Sub Master Video Monitor (Aiphone JF-2HD).....	704.70	120.30
27 51 17 00-0017 EA Stainless Steel Video Door Station With HID ProxPoint Plus Reader, Flush Mount (Aiphone AX-DVF-P) .....	709.04	24.06
27 51 17 00-0018 EA Stainless Steel Surface Mount Box For IS-SS, IS-DVF, IS-IPDVF, IX-DF(SS) (Aiphone SBX-IDVF).....	207.70	24.06
27 51 17 00-0019 EA Stainless Steel Surface Mount Box For AX-DVF (Aiphone SBX-AXDVF) .....	232.97	24.06
27 51 17 00-0020 EA Stainless Steel Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVF/A) .....	282.30	36.08
27 51 17 00-0021 EA Front Case With Lens Cover For AX-DV And AX-DVF Cameras (Aiphone 240880).....	61.04	12.03

#### 27 51 23 Intercommunications and Program Systems (27 51)

##### 27 51 23 20 Commercial Intercommunications and Program Systems (27 51 23)

##### 27 51 23 20-0001 Intercom (27 51 23 20)

27 51 23 20-0002 EA Intercom, Single Zone Audio Surveillance Base Station With Talkback Feature (Louroe Electronics #API-TB).....	1,017.31	96.24
27 51 23 20-0003 EA Two-way Talk/Listen Flush Mounted, Vandal-proof Remote Station Louroe Electronics #TLSP-PB.....	1,210.63	96.24
For Surface Mounted Application, Add	56.87	
27 51 23 20-0004 EA 240 Station Intercommunication System In Rack Bogen Multicom 2000.....	35,695.12	87.73

##### 27 51 43 Sound Reinforcement (27 51)

Note: Includes testing of new devices and certification.

##### 27 51 43 00-0001 Amplifiers (27 51 43)

27 51 43 00-0002 EA 10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10) .....	494.11	96.24
27 51 43 00-0003 EA 35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35) .....	720.21	96.24

<b>27</b>	<b>Communications</b>
<b>27 50</b>	<b>Distributed Communications and Monitoring Systems</b>
<b>27 51</b>	<b>Distributed Audio-Video Communications Systems</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 51 43 00-0004 EA 60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60) .....	865.35	96.24
27 51 43 00-0005 EA 100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100) .....	968.90	96.24
27 51 43 00-0006 EA 150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150) .....	1,219.81	96.24
27 51 43 00-0007 EA 250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250) .....	1,595.03	96.24
27 51 43 00-0008 EA Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK).....	62.74	4.81
27 51 43 00-0009 EA PA Equipment, Amplifiers Gogen #WMA-160.....	3,142.70	250.09
<b>27 51 43 00-0010 Splitters</b> <small>(27 51 43)</small>		
27 51 43 00-0011 EA 24 Watt, 5 Output, Isolated Splitter (Doug Fleenor 125EE) .....	3,249.16	72.03
27 51 43 00-0012 EA 1-in/11-out Splitter (Doug Fleenor DMX).....	2,927.25	72.03
<b>27 51 43 00-0013 Speakers</b> <small>(27 51 43)</small>		
27 51 43 00-0014 EA 8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W) .....	178.92	25.74
27 51 43 00-0015 EA 8" Steel Baffle (Atlas Sound 51-8) .....	61.75	4.80
27 51 43 00-0016 EA T-Bar Support (Atlas Sound EZ95-8) .....	69.65	4.80
27 51 43 00-0017 EA 8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408) .....	111.96	4.80
27 51 43 00-0018 EA Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA) .....	98.39	8.64
27 51 43 00-0019 EA Atlas/Soundier Speaker APC-30T .....	450.08	25.74
27 51 43 00-0020 EA Horizontal Line Array Renkus-Heinz # SR62H .....	724.02	28.81
<b>27 51 43 00-0021 Accessories</b> <small>(27 51 43)</small>		
27 51 43 00-0022 EA Microphone And Stand For Audio/Video System (Bogen MBS-1000A) .....	311.19	12.03
27 51 43 00-0023 EA 5 Disk CD Player For Audio/Video System (Bogen DCM290-P).....	707.02	12.03
27 51 43 00-0024 EA Weather Proof Horn For Audio/Video System (Bogen SPT5A) .....	168.25	24.06
27 51 43 00-0025 EA Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A).....	322.23	24.06
27 51 43 00-0026 EA Headset Microphone For Audio/Video System (Audio Technica Pro8Hex) .....	232.21	24.01
27 51 43 00-0027 EA Microphone Jack For Audio/Video System .....	100.78	24.06
27 51 43 00-0028 EA Terminal Cabinet For Audio/Video System (Atlas 121-18).....	907.56	96.24
27 51 43 00-0029 EA Volume Control For Audio/Video System (Bogen AT10A) .....	95.79	24.06
27 51 43 00-0030 EA Round Bridge for 8" (S86/S810) Recessed Speakers (Bogen Communications TB8).....	63.50	24.06
<b>27 51 43 00-0031 Removal And Reinstallation Of Speakers</b> <small>(27 51 43)</small>		
Note: Includes storage, cleaning and supply materials.		
27 51 43 00-0032 EA Removal And Reinstallation Of Ceiling Mounted Speaker .....	134.46	
<b>27 53 Distributed Systems</b> <small>(27 50)</small>		
<b>27 53 13 Clock Systems</b> <small>(27 53)</small>		
<b>27 53 13 13 Wireless Clock Systems</b> <small>(27 53 13)</small>		
<b>27 53 13 13-0001 Wireless Synchronized GPS Clock System (Sapling)</b> <small>(27 53 13 13)</small>		
<b>27 53 13 13-0002 Master Clock (Sapling SMA 2000 Series)</b> <small>(27 53 13 13-0001)</small>		
Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0003 EA Master Clock, 900 MHz Transmitter, GPS, Surface Wall Mount (Sapling SMA-2S0-1100-1) .....	7,708.68	72.03
27 53 13 13-0004 EA Master Clock, 900 MHz Transmitter, GPS, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1100-1) .....	8,153.66	72.03
27 53 13 13-0005 EA Master Clock, 900 MHz Transmitter, Surface Wall Mount (Sapling SMA-2S0-1000-1).....	4,371.35	72.03
27 53 13 13-0006 EA Master Clock, 900 MHz Transmitter, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1000-1) .....	4,816.33	72.03
27 53 13 13-0007 EA NTP Server Upgrade (Sapling SMA-000-SERV-0) .....	3,045.80	
<b>27 53 13 13-0008 Wireless Repeaters (Sapling)</b> <small>(27 53 13 13-0001)</small>		
27 53 13 13-0009 EA Wireless Repeater, 900 MHz, RS485 Input, Surface Wall Mount (Sapling SMA-1SR-0000-1).....	1,870.65	48.02
27 53 13 13-0010 EA Wireless Network Repeater, 900 MHz, 110 VAC - 230 VAC, With TCP/IP For Campus Environments, Surface Wall Mount (Sapling SMA-1SM-0000-1).....	2,098.44	48.02
<b>27 53 13 13-0011 Wireless Round Analog Clocks (Sapling SAL-4 Series)</b> <small>(27 53 13 13-0001)</small>		
Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0012 EA Analog, Wireless Slim Line, 900 MHz, 12" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-12R-0).....	398.76	24.01
27 53 13 13-0013 EA Double Mount Housing With Metal Pole For Slim Line 12" Round Analog Clock, Black (Sapling SAH-1BD-12R-0) .....	247.81	24.01
27 53 13 13-0014 EA Analog, Wireless Slim Line, 900 MHz, 16" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-16R-0).....	478.93	24.01
27 53 13 13-0015 EA Double Mount Housing With Metal Pole For Slim Line 16" Round Analog Clock, Black (Sapling SAH-1BD-16R-0) .....	281.10	24.01
<b>27 53 13 13-0016 Wireless GPS Accesories (Sapling)</b> <small>(27 53 13 13-0001)</small>		
27 53 13 13-0017 EA GPS Mounting Kit (Sapling M-GPS-MTG-KIT-1) .....	71.92	19.20
27 53 13 13-0018 EA Wall Mount, L-Shape, GPS Mounting Kit (Sapling M-GPS-MTG90-KIT-1) .....	105.43	19.20
27 53 13 13-0019 EA GPS Antenna Cable, 150 Foot (45.7 Meters) Length (Sapling E-ANT-CBL150F-1).....	963.50	42.02
27 53 13 13-0020 EA GPS Antenna Cable, 300 Foot (91.4 Meters) Length (Sapling E-ANT-CBL300F-1).....	1,719.09	60.03
27 53 13 13-0021 EA GPS Surge Protector/Arrestor (Sapling E-GPS-SURGE-1) .....	609.25	4.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 53 13 13-0022</b> <b>2.4 GHz, 2.5", 6-Digit, Digital Messaging Wireless Clock System (Sapling SLDG 3000 Series)</b> <small>(27 53 13 13)</small>		
Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes. Quantities over 25 for all digital clocks are Non Cancelable, Non Returnable (NCNR). (50) Clock Minimum Quantity Required Per System order for SDLG-32S-256-4R. (25) Clock Minimum Quantity Required Per System order for SDLG-32S-256-1R. All digital clocks are available without bezel or without the housing. Contact Sapling for details. Contact Sapling for Factory Customized Message Options. All digital clocks are pre-loaded and shipped with the following messages below: (1) Tornado Warning (2) Inclement Weather (3) Take Cover (4) Evacuate (5) Lockdown (6) Fire (7) Early Dismissal (8) Flood Warning (9) Earthquake (10) Code Blue (11) All Clear (12) Operation in Progress (13) Test in Progress (14) Lunch Break (15) Shift Break.		
27 53 13 13-0023     EA     3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount (Sapling SDLG-32S-256-4R) .....	1,263.23	72.03
Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
27 53 13 13-0024     EA     3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount (Sapling SDLG-32S-256-1R) .....	1,292.81	72.03
Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
27 53 13 13-0025     EA     3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount And Relay Output/Input (Sapling SDLG-33S-256-4R) .....	1,554.69	72.03
Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
27 53 13 13-0026     EA     3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount And Relay Output/Input (Sapling SDLG-33S-256-1R) .....	1,584.27	72.03
Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
27 53 13 13-0027     EA     Short Metal Pole For Ceiling Mount Only For Double/Flag Mount, 8.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-01S-0) .....	165.62	19.20
27 53 13 13-0028     EA     Metal Pole For Double/Flag Mount, Wall Or Ceiling, 13.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-00S-0) .....	165.62	19.20
27 53 13 13-0029     EA     Clock Message Setup Fee, Per Clock (Sapling CLK-MSG-SETUP) .....	30.46	
27 53 13 13-0030     EA     USB Programming Cable + Software For 3200/3300 Digital Clocks (Sapling D-USB485-INTF-1) .....	244.66	2.40
27 53 13 13-0031     EA     Elapsed Timer Control Panel For 3200/3300 Clock Model (Sapling SBD-ELT-001-0) .....	489.32	4.80
27 53 13 13-0032     EA     Elapsed Timer Specialty Buttons Kit (Sapling SBD-ELT-BUT-0) .....	88.56	2.40
27 53 13 13-0033     EA     Elapsed Timer Clear Protective Cover - Set of 2 Covers (Sapling A-ELT-CLR-GUARD-1) .....	17.71	0.48
27 53 13 13-0034     EA     Temperature Sensor for 3200/3300 Digital Clock Model (Sapling SBD-TEMP-000-0) .....	110.12	4.80
<b>27 53 13 13-0035</b> <b>2.4 GHz Wireless Message System/Master Clock And Transmitter (Sapling SMM 3000 Series)</b> <small>(27 53 13 13)</small>		
Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0036     EA     Master Clock With 2.4 GHz Transmitter For Time Data And Messages, Rack Mount And Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G008-1) .....	6,393.13	72.03
27 53 13 13-0037     EA     Master Clock With 2.4 GHz Transmitter And GPS For Time Data And Messages, Rack Mount And Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G108-1) .....	8,810.88	72.03
27 53 13 13-0038     EA     Message Input Box, 16 Inputs, Rack Mount, For SMM Master Clock (Sapling SMI-000-0016-0) .....	2,814.42	48.02
27 53 13 13-0039     EA     Wireless Network Repeater, 2.4 GHz, 110 VAC - 230 VAC, with TCP/IP for Campus Environments, Surface Wall Mount (Sapling SMA-1SM-G000-1) .....	1,607.14	48.02
27 53 13 13-0040     EA     NTP Server Upgrade (Sapling SMA-000-SERV-0) .....	3,045.80	
27 53 13 13-0041     EA     Countdown Feature Upgrade (Sapling SMA-000-CDOW-0) .....	1,507.67	
<b>27 53 13 13-0042</b> <b>Clear Polycarbonate Protective Covers For Wireless Clocks (Sapling)</b> <small>(27 53 13 13)</small>		
Note: For applications requiring defense against constant moisture or fine dust, a silicone sealant between the cover and wall is recommended.		
27 53 13 13-0043     EA     Clear Polycarbonate Protective Cover For 9" Square And 12" Round Analog Clock (Sapling SAG-CLR-COVR-12) .....	407.78	12.00
27 53 13 13-0044     EA     Clear Polycarbonate Protective Cover For 2.5" Digital Clock (Sapling SDG-CLR-COVR-25) .....	407.78	12.00
<b>27 53 13 13-0045</b> <b>Wire Guards For Wireless Synchronized Clocks (Sapling)</b> <small>(27 53 13 13)</small>		
27 53 13 13-0046     EA     Wire Guard For Round Or Square Analog Clocks (Sapling SAG-1200) .....	223.36	12.00
27 53 13 13-0047     EA     Wire Guard for 2.5" or 4.0" Digital Clocks (Sapling SDG-2017) .....	313.25	12.00
<b>27 53 13 13-0048</b> <b>Wireless Synchronized Clock Transmitters</b> <small>(27 53 13 13)</small>		
<b>27 53 13 13-0049</b> <b>Analog, Wireless Synchronized Clocks (Primex Traditional Series)</b> <small>(27 53 13 13-0048)</small>		
27 53 13 13-0050     EA     12.5", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock .....	241.16	24.01
For >100 To 250, Deduct		
	-41.95	
For >250, Deduct		
	-49.67	
27 53 13 13-0051     EA     12.5", Battery Operated, Dual Sided, Analog, Wireless Synchronized Clock .....	434.30	24.01
For >100 To 250, Deduct		
	-28.43	
For >250, Deduct		
	-34.22	
27 53 13 13-0052     EA     16", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock .....	281.12	24.01
For >100 To 250, Deduct		
	-49.14	
For >250, Deduct		
	-58.47	
27 53 13 13-0053     EA     12.5", Electric, Single Sided, Analog, Wireless Synchronized Clock .....	274.46	24.01
For >100 To 250, Deduct		
	-47.94	
For >250, Deduct		
	-57.00	
27 53 13 13-0054     EA     12.5", Electric, Dual Sided, Analog, Wireless Synchronized Clock .....	500.90	24.01
For >100 To 250, Deduct		
	-32.09	
For >250, Deduct		
	-38.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0055 EA 16", Electric, Single Sided, Analog, Wireless Synchronized Clock ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250, Deduct</i>	314.42 -36.49 -47.14	24.01
<b>27 53 13 13-0056 Digital, Wireless Synchronized Clocks (Primex Digital Series) (27 53 13 13-0048)</b>		
<b>27 53 13 13-0057 4-Digit, Digital, Wireless Synchronized Clocks (27 53 13 13-0056)</b>		
27 53 13 13-0058 EA 2.5", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock..... <i>For Green LED, Add</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250, Deduct</i>	354.38 30.64 -31.69 -47.01	24.01
27 53 13 13-0059 EA 2.5", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock..... <i>For Green LED, Add</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250, Deduct</i>	660.74 61.27 -68.46 -172.62	24.01
27 53 13 13-0060 EA 4", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock ..... <i>For Green LED, Add</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250, Deduct</i>	394.34 34.63 -22.77 -33.16	24.01
27 53 13 13-0061 EA 4", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock..... <i>For Green LED, Add</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250, Deduct</i>	740.65 69.26 -62.59 -194.19	24.01
<b>27 53 13 13-0062 6-Digit, Digital, Wireless Synchronized Clocks (27 53 13 13-0056)</b>		
27 53 13 13-0063 EA 2.5", Single Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock..... <i>For Green LED, Add</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250, Deduct</i>	394.34 34.63 -26.23 -37.31	24.01
27 53 13 13-0064 EA 2.5", Dual Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock..... <i>For Green LED, Add</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250, Deduct</i>	740.65 69.26 -56.36 -131.86	24.01
27 53 13 13-0065 EA 2.5", Flush Mount, 6-Digit, Red LED Digital, Wireless Synchronized Clock..... <i>For Green LED, Add</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250, Deduct</i>	460.94 41.29 -21.64 -31.96	24.01
<b>27 53 13 13-0066 Wire Guards For Wireless Synchronized Clocks (27 53 13 13-0048)</b>		
27 53 13 13-0067 EA 18" x 18" Analog Clock Wire Guard For 16" Wireless Synchronized Clocks.....	123.91	12.00
27 53 13 13-0068 EA Digital Clock Wire Guard For 2.5" Wireless Synchronized Clocks.....	57.31	12.00
27 53 13 13-0069 EA Digital Clock Wire Guard For 4" Wireless Synchronized Clocks.....	63.97	12.00
<b>27 53 13 13-0070 Wireless Synchronized Clock Transmitters (27 53 13 13-0048)</b>		
Note: Includes 16 channel transmitter with daylight savings bypass and time zone switch, GPS receiver, 16' cable and window installation hardware.		
27 53 13 13-0071 EA Internal Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000)..... <i>For Roof Mounted GPS Receiver, Add</i>	2,668.18 396.07	72.03
27 53 13 13-0072 EA External Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000-E)..... Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection. <i>For Roof Mounted GPS Receiver, Add</i>	4,339.83 563.24	72.03
27 53 13 13-0073 EA Repeater, Satellite Transmitter (Primex 14006)..... Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.	2,620.16	48.02
<b>27 53 13 13-0074 Accessories For Wireless Synchronized Clock Transmitters (27 53 13 13-0048)</b>		
27 53 13 13-0075 EA External Antenna Mounting Kit For Wireless Synchronized Clock Transmitters.....	238.22	19.20
27 53 13 13-0076 EA Transmitter Rack For Wireless Synchronized Clock Transmitters.....	107.68	19.20
27 53 13 13-0077 EA Surge Protector And Battery Back Up For Wireless Synchronized Clock Transmitters.....	158.79	9.61
27 53 13 13-0078 EA 50' GPS Receiver Cable For Wireless Synchronized Clock Transmitters.....	137.26	24.01
27 53 13 13-0079 EA 100' GPS Receiver Cable For Wireless Synchronized Clock Transmitters.....	191.91	36.01
27 53 13 13-0080 EA 200' GPS Receiver Cable For Wireless Synchronized Clock Transmitters.....	282.52	48.02
<b>27 53 13 16 Wired Clock Systems (27 53 13)</b>		
<b>27 53 13 16-0001 Wired Self-Corrective Clock Systems (27 53 13 16)</b>		
<b>27 53 13 16-0002 Wired Self-Corrective Clocks (27 53 13 16-0001)</b>		
<b>27 53 13 16-0003 Analog, Wired Self-Corrective Clocks (Telecor) (27 53 13 16-0002)</b>		
<b>27 53 13 16-0004 24 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 16-0003)</b>		
27 53 13 16-0005 EA 12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	205.86 -13.50 -19.81	24.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 16-0006 EA 12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	487.58	24.01
For >50 To 100, Deduct	-24.77	
For >100, Deduct	-42.35	
27 53 13 16-0007 EA 16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount .....	257.81	24.01
For >50 To 100, Deduct	-17.67	
For >100, Deduct	-26.06	
27 53 13 16-0008 EA 16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	643.42	24.01
For >50 To 100, Deduct	-66.72	
For >100, Deduct	-90.54	
<b>27 53 13 16-0009 120 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 16-0003)</b>		
27 53 13 16-0010 EA 12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount .....	205.86	24.01
For >50 To 100, Deduct	-13.50	
For >100, Deduct	-19.81	
27 53 13 16-0011 EA 12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	487.58	24.01
For >50 To 100, Deduct	-24.77	
For >100, Deduct	-42.35	
27 53 13 16-0012 EA 16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount .....	257.81	24.01
For >50 To 100, Deduct	-17.67	
For >100, Deduct	-26.06	
27 53 13 16-0013 EA 16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	643.42	24.01
For >50 To 100, Deduct	-66.72	
For >100, Deduct	-90.54	
<b>27 53 13 16-0014 Accessories For Analog Wired Self-Corrective Clocks (27 53 13 16-0003)</b>		
27 53 13 16-0015 EA Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks.....	168.86	12.00
27 53 13 16-0016 EA Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks .....	43.99	12.00
27 53 13 16-0017 EA Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks .....	55.48	12.00
27 53 13 16-0018 EA Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks .....	67.47	12.00
27 53 13 16-0019 EA Combination Back Box For Speaker And Clock.....	143.84	19.20
<b>27 53 13 16-0020 Digital, Wired Self-Corrective Clocks (Telecor) (27 53 13 16-0002)</b>		
<b>27 53 13 16-0021 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)</b>		
27 53 13 16-0022 EA 2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	253.81	24.01
For Surface Mount, Add	41.16	
For >50 To 100, Deduct	-12.35	
For >100, Deduct	-20.58	
27 53 13 16-0023 EA 4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	389.68	24.01
For Surface Mount, Add	68.33	
For >50 To 100, Deduct	-20.50	
For >100, Deduct	-34.17	
<b>27 53 13 16-0024 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)</b>		
27 53 13 16-0025 EA 2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	253.81	24.01
For Surface Mount, Add	41.16	
For >50 To 100, Deduct	-12.35	
For >100, Deduct	-20.58	
27 53 13 16-0026 EA 4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	389.68	24.01
For Surface Mount, Add	68.33	
For >50 To 100, Deduct	-20.50	
For >100, Deduct	-34.17	
<b>27 53 13 16-0027 Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)</b>		
27 53 13 16-0028 EA 2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	217.36	24.01
For >50 To 100, Deduct	-10.16	
For >100, Deduct	-16.93	
27 53 13 16-0029 EA 4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	356.71	24.01
For >50 To 100, Deduct	-18.52	
For >100, Deduct	-30.87	
<b>27 53 13 16-0030 Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)</b>		
27 53 13 16-0031 EA 2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	217.36	24.01
For >50 To 100, Deduct	-10.16	
For >100, Deduct	-16.93	
27 53 13 16-0032 EA 4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	356.71	24.01
For >50 To 100, Deduct	-18.52	
For >100, Deduct	-30.87	
<b>27 53 13 16-0033 Accessories For Digital Wired Self-Corrective Clocks (27 53 13 16-0020)</b>		
27 53 13 16-0034 EA Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks.....	229.80	12.00
27 53 13 16-0035 EA 2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	55.98	12.00
27 53 13 16-0036 EA 4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	76.96	12.00
27 53 13 16-0037 EA Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks .....	200.83	12.00

**27 Communications****27 50 Distributed Communications and Monitoring Systems****27 53 Distributed Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 16-0038 EA 4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks.....	57.48	12.00
<b>27 53 13 16-0039 Wired Self-Corrective Master Clocks</b> <small>(27 53 13 16-0001)</small>		
<b>27 53 13 16-0040 Wired Self-Corrective Master Clocks</b> <small>(27 53 13 16-0039)</small>		
27 53 13 16-0041 EA 24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24).....	2,378.15	192.09
27 53 13 16-0042 EA 120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120).....	2,528.00	192.09
<b>27 53 13 16-0043 Accessories For Wired Self-Corrective Master Clocks</b> <small>(27 53 13 16-0039)</small>		
27 53 13 16-0044 EA 5 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405).....	247.39	48.02
27 53 13 16-0045 EA 10 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406).....	278.86	48.02
<b>27 53 13 16-0046 Other Clock And Program Systems</b> <small>(27 53 13 16)</small>		
27 53 13 16-0047 EA 4 Circuit Master Clock And Signal Control (Lathem LTR4-512).....	1,869.40	96.04
27 53 13 16-0048 EA 8 Circuit Master Clock And Signal Control (Lathem LTR8-512).....	2,220.50	192.09
27 53 13 16-0049 EA Program Bell (Lathem 906-6).....	257.56	48.02
27 53 13 16-0050 EA Combination Clock And Speaker.....	578.95	120.05
27 53 13 16-0051 EA 5 Amp, 115/220 VAC, 24 VAC, RTN, 24 VDC Power Supply (Lathem PS8-24).....	593.02	48.02

**END OF SECTION 27**





MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 28 Electronic Safety and Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

### 28 05 Common Work Results for Electronic Safety and Security <sup>(28)</sup>

28 05 26 Grounding and Bonding for Electronic Safety and Security <sup>(28 05)</sup>  
 See CSI section 26 05 26 00-0000 for grounding and bonding.

28 05 53 Identification for Electronic Safety and Security <sup>(28 05)</sup>  
 See CSI section 26 05 53 00-0000 for identification.

### 28 10 Access Control <sup>(28)</sup>

Note: Includes testing of new devices and certification.

### 28 15 Integrated Access Control Hardware Devices <sup>(28 10)</sup>

#### 28 15 11 Integrated Credential Readers and Field Entry Management <sup>(28 15)</sup>

##### 28 15 11 13 Keypads <sup>(28 15 11)</sup>

##### 28 15 11 13-0001 Vindicator Security Alarm System <sup>(28 15 11 13)</sup>

28 15 11 13-0002	EA	Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00.....	1,445.06	200.25
28 15 11 13-0003	EA	Detector, Passive Infrared (Security) Vindicator #316-30812-00.....	1,829.27	260.27
28 15 11 13-0004	EA	Premise Control Unit (Security) Vindicator #548-32004-01.....	10,750.23	570.48
28 15 11 13-0005	EA	Access Manager (Security Key Pad) Vindicator #548-31894-01.....	5,123.40	486.16
28 15 11 13-0006	EA	ALS Duress Switch (Security) Vindicator #192-30810-00.....	1,127.06	265.94

### 28 16 Access Control Interfaces <sup>(28 10)</sup>

#### 28 16 11 Access Control Interfaces to Access Control Hardware <sup>(28 16)</sup>

##### 28 16 11 00-0001 Stand Alone Access Controls <sup>(28 16 11)</sup>

##### 28 16 11 00-0002 Push Button Controls, Stand Alone Access Controls <sup>(28 16 11 00-0001)</sup>

##### 28 16 11 00-0003 Interior Mount, Push Button Controls, Stand Alone Access Controls <sup>(28 16 11 00-0002)</sup>

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls.....	130.41	24.01
		Note: Controls mount to a standard mullion.		
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls.....	137.27	24.01
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand Alone Access Controls For Gate Operators.....	176.75	24.01
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		

##### 28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand Alone Access Controls <sup>(28 16 11 00-0002)</sup>

Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.				
28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls.....	167.02	24.01
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls.....	828.32	72.03
		Note: Includes post, mounting base and push button control. Excludes concrete foundation.		
28 16 11 00-0010	EA	Three Button, Exterior Stand Alone Access Controls For Gate Operators.....	279.73	24.01
		Note: Includes open, close and stop controls.		

##### 28 16 11 00-0011 Key Controls, Stand Alone Access Controls <sup>(28 16 11 00-0001)</sup>

##### 28 16 11 00-0012 Interior Mount, Key Controls, Stand Alone Access Controls <sup>(28 16 11 00-0011)</sup>

28 16 11 00-0013	EA	Standard Mortise Key, Key Controls, Interior Stand Alone Access Controls.....	189.62	24.01
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		

##### 28 16 11 00-0014 Exterior Mount, Key Controls, Stand Alone Access Controls <sup>(28 16 11 00-0011)</sup>

Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.				
28 16 11 00-0015	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand Alone Access Controls.....	284.84	48.02
		Note: Opens door or gate with a postal or fire department key.		
28 16 11 00-0016	EA	Standard Mortise Key, Key Controls, Exterior Stand Alone Access Controls.....	466.78	48.02
28 16 11 00-0017	EA	Ace Key, Key Controls, Exterior Stand Alone Access Controls.....	466.78	48.02
28 16 11 00-0018	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand Alone Access Controls.....	727.67	48.02

##### 28 16 11 00-0019 Keypad Controls, Stand Alone Access Controls <sup>(28 16 11 00-0001)</sup>

##### 28 16 11 00-0020 Interior Mount, Keypad Controls, Stand Alone Access Controls <sup>(28 16 11 00-0019)</sup>

28 16 11 00-0021	EA	One Code Memory, Keypad Control, Interior Stand Alone Access Controls.....	271.15	24.01
		Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.		

**28 Electronic Safety and Security****28 10 Access Control****28 16 Access Control Interfaces**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0022			<b>Exterior Mount, Keypad Controls, Stand Alone Access Controls</b> (28 16 11 00-0019) Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0023			<b>Keypad Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0022)		
28 16 11 00-0024	EA		1000 Code Memory, Keypad Control, Exterior Stand Alone Access Controls ..... 1,136.10	1,136.10	96.04
			Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes. <i>For Flush Mount, Add</i>	212.40	
28 16 11 00-0025			<b>Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls</b> (28 16 11 00-0022)		
28 16 11 00-0026	EA		1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls ..... 1,383.23	1,383.23	108.04
			Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes. <i>For Flush Mount, Add</i>	262.61	
28 16 11 00-0027			<b>RF Controls, Stand Alone Access Controls</b> (28 16 11 00-0001)		
28 16 11 00-0028			<b>Exterior Mount, RF Controls, Stand Alone Access Controls</b> (28 16 11 00-0027) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0029			<b>RF Receivers, RF Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0028) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0030	EA		50 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls ..... 655.51	655.51	96.04
28 16 11 00-0031	EA		100 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls ..... 748.20	748.20	96.04
28 16 11 00-0032	EA		250 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls ..... 837.45	837.45	96.04
28 16 11 00-0033	EA		500 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls ..... 933.56	933.56	96.04
28 16 11 00-0034	EA		1000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls ..... 1,022.82	1,022.82	96.04
28 16 11 00-0035	EA		5000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls ..... 1,118.93	1,118.93	96.04
28 16 11 00-0036	EA		16000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls ..... 1,208.18	1,208.18	96.04
28 16 11 00-0037			<b>RF Transmitters, RF Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0028)		
28 16 11 00-0038	EA		1 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls ..... 58.36	58.36	
			<i>For &gt;40 To 110, Deduct</i>	-2.92	
			<i>For &gt;110, Deduct</i>	-5.84	
			<i>For Built In Proximity Tags, Add</i>	11.67	
28 16 11 00-0039	EA		2 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls ..... 61.79	61.79	
			<i>For &gt;40 To 110, Deduct</i>	-3.09	
			<i>For &gt;110, Deduct</i>	-6.18	
			<i>For Built In Proximity Tags, Add</i>	12.36	
28 16 11 00-0040	EA		3 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls ..... 65.22	65.22	
			<i>For &gt;40 To 110, Deduct</i>	-3.26	
			<i>For &gt;110, Deduct</i>	-6.52	
			<i>For Built In Proximity Tags, Add</i>	13.04	
28 16 11 00-0041			<b>Accessories For RF Receivers, Exterior Stand Alone Access Controls</b> (28 16 11 00-0028)		
28 16 11 00-0042	EA		Coax Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls ..... 226.45	226.45	72.03
			Note: Includes 15' of coax cable.		
28 16 11 00-0043	EA		Antenna Amplifier For RF Receivers, Exterior Stand Alone Access Controls ..... 487.34	487.34	72.03
			Note: Includes 20' of coax cable.		
28 16 11 00-0044	EA		Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls ..... 439.28	439.28	72.03
			Note: Includes 15' of coax cable.		
28 16 11 00-0045			<b>Proximity Card Controls, Stand Alone Access Controls</b> (28 16 11 00-0001)		
28 16 11 00-0046			<b>Exterior Mount, Proximity Card Controls, Stand Alone Access Controls</b> (28 16 11 00-0045) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0047			<b>DKS Proximity Card Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0046)		
28 16 11 00-0048			<b>DKS Proximity Card Readers, Exterior Stand Alone Access Controls</b> (28 16 11 00-0047)		
28 16 11 00-0049	EA		DKS Proximity Card Reader, Exterior Stand Alone Access Controls ..... 1,307.73	1,307.73	96.04
28 16 11 00-0050			<b>AWID Proximity Card Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0046)		
28 16 11 00-0051			<b>AWID Proximity Card Readers, Exterior Stand Alone Access Controls</b> (28 16 11 00-0050)		
28 16 11 00-0052	EA		AWID Proximity Card Reader, Exterior Stand Alone Access Controls ..... 1,427.88	1,427.88	96.04
28 16 11 00-0053			<b>HID Proximity Card Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0046)		
28 16 11 00-0054			<b>HID Proximity Card Readers, Exterior Stand Alone Access Controls</b> (28 16 11 00-0053)		
28 16 11 00-0055	EA		HID Proximity Card Reader, Exterior Stand Alone Access Controls ..... 1,702.50	1,702.50	96.04



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0056		<b>Magnetic Stripe Card Controls, Stand Alone Access Controls</b> <small>(28 16 11 00-0001)</small>		
28 16 11 00-0057		<b>Interior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls</b> <small>(28 16 11 00-0056)</small>		
28 16 11 00-0058	EA	Magnetic Stripe Reader, Interior Stand Alone Access Controls.....	758.49	96.04
28 16 11 00-0059		<b>Exterior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls</b> <small>(28 16 11 00-0056)</small>		
		Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060	EA	Magnetic Stripe Reader, Exterior Stand Alone Access Controls.....	952.33	96.04
28 16 11 00-0061		<b>Other Stand Alone Access Controls</b> <small>(28 16 11 00-0001)</small>		
28 16 11 00-0062	EA	Toggle Switch, Interior Access Controls For Gate Operators .....	125.26	24.01
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0063	EA	Request To Exit Motion Detector (Bosch Security Systems DS160) .....	135.57	19.20
28 16 11 00-0064		<b>Wiegand Output Access Controls</b> <small>(28 16 11)</small>		
		Note: Excludes controllers.		
28 16 11 00-0065		<b>Proximity Card Controls, Wiegand Output Access Controls</b> <small>(28 16 11 00-0064)</small>		
28 16 11 00-0066		<b>DKS, Proximity Card Controls, Wiegand Output Access Controls</b> <small>(28 16 11 00-0065)</small>		
28 16 11 00-0067		<b>DKS, Proximity Cards</b> <small>(28 16 11 00-0066)</small>		
28 16 11 00-0068	EA	Clamshell Type, DKS Proximity Card (DKS 170).....	9.13	
28 16 11 00-0069	EA	ISO Compliant Graphics Card, DKS Proximity Card (DKS 80).....	15.06	
28 16 11 00-0070	EA	DKS Proximity Key Fob (DKS 50).....	15.86	
28 16 11 00-0071	EA	Active Tag, DKS Proximity Tag (DKS 150) .....	89.71	
		Note: Battery powered tag to boost signal.		
28 16 11 00-0072	EA	Active Tag, DKS Proximity Tag (DKS 200) .....	116.94	
		Note: Battery powered tag to boost signal.		
28 16 11 00-0073		<b>DKS, Proximity Card Readers, Wiegand Output Access Controls</b> <small>(28 16 11 00-0066)</small>		
28 16 11 00-0074	EA	Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small).....	422.72	120.05
28 16 11 00-0075	EA	Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion) .....	422.72	120.05
28 16 11 00-0076	EA	Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang) .....	422.72	120.05
28 16 11 00-0077	EA	Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS).....	1,278.16	120.05
		Note: Includes mounting bracket and 12 Volt DC regulated power supply.		
28 16 11 00-0078		<b>AWID, Proximity Card Controls, Wiegand Output Access Controls</b> <small>(28 16 11 00-0065)</small>		
28 16 11 00-0079		<b>AWID, Proximity Cards</b> <small>(28 16 11 00-0078)</small>		
28 16 11 00-0080	EA	Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS).....	7.69	
28 16 11 00-0081	EA	ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR).....	12.01	
28 16 11 00-0082	EA	AWID Proximity Key Fob (AWID Prox-Linc KT) .....	12.82	
28 16 11 00-0083	EA	Windshield Tag For LR 2000 Readers, AWID Proximity Tag .....	44.85	
28 16 11 00-0084	EA	Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag .....	44.85	
28 16 11 00-0085		<b>AWID, Proximity Card Readers, Wiegand Output Access Controls</b> <small>(28 16 11 00-0078)</small>		
28 16 11 00-0086	EA	Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400) .....	528.45	120.05
		Note: For mullion mounting.		
28 16 11 00-0087	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800) .....	759.13	120.05
		Note: For mullion mounting.		
28 16 11 00-0088	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820) .....	759.13	120.05
		Note: For single gang electrical box mounting.		
28 16 11 00-0089	EA	Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824).....	1,281.37	120.05
		Note: Includes 12 Volt DC regulated power supply.		
28 16 11 00-0090	EA	Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000) .....	7,548.20	120.05
		Note: Includes mounting bracket and 12 Volt DC regulated power supply.		
28 16 11 00-0091		<b>HID, Proximity Card Controls, Wiegand Output Access Controls</b> <small>(28 16 11 00-0065)</small>		
28 16 11 00-0092		<b>HID, Proximity Cards</b> <small>(28 16 11 00-0091)</small>		
28 16 11 00-0093	EA	Clamshell Type, HID Proximity Card (HID ProxCard II).....	16.49	
28 16 11 00-0094	EA	ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II).....	22.26	
28 16 11 00-0095	EA	HID Proximity Key Fob (HID ProxKey II) .....	22.90	

**28 Electronic Safety and Security****28 10 Access Control****28 16 Access Control Interfaces**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0096			<b>HID, Proximity Card Readers, Wiegand Output Access Controls</b> <small>(28 16 11 00-0091)</small>		
28 16 11 00-0097	EA		Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus).....	477.16	120.05
			Note: For mullion mounting. (HID P/N 6005).		
28 16 11 00-0098	EA		Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II).....	572.94	120.05
			Note: For single gang electrical box mounting. (HID P/N 5395).		
28 16 11 00-0099	EA		Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx) .....	644.77	120.05
			Note: For mullion mounting. (HID P/N 5365).		
28 16 11 00-0100	EA		EntryProx Single-Door Proximity Access Control .....	838.73	120.05
			Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.		
28 16 11 00-0101			<b>Contactless Smart Card Controls, Wiegand Output Access Controls</b> <small>(28 16 11 00-0064)</small>		
28 16 11 00-0102			<b>HID, Contactless Smart Cards</b> <small>(28 16 11 00-0101)</small>		
28 16 11 00-0103	EA		2K Bits, Clamshell Type, HID iClass, Contactless Smart Card .....	14.10	
28 16 11 00-0104	EA		16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card .....	15.39	
28 16 11 00-0105	EA		16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card .....	20.14	
28 16 11 00-0106	EA		16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card .....	10.90	
			Note: Battery powered tag to boost signal.		
28 16 11 00-0107			<b>HID, Contactless Smart Card Readers, Wiegand Output Access Controls</b> <small>(28 16 11 00-0101)</small>		
28 16 11 00-0108	EA		Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10) .....	494.35	120.05
			Note: For mullion mounting.		
28 16 11 00-0109	EA		Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40) .....	705.81	120.05
			Note: For mullion mounting.		
28 16 11 00-0110	EA		Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40).....	1,181.59	120.05
			Note: For mullion mounting.		
28 16 11 00-0111			<b>HID, Contactless Smart Card Programmer, Wiegand Output Access Controls</b> <small>(28 16 11 00-0101)</small>		
28 16 11 00-0112	EA		HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400) .....	3,857.53	120.05
			Note: For mullion mounting.		
28 16 11 00-0113			<b>Call Station Controls, Wiegand Output Access Controls</b> <small>(28 16 11 00-0064)</small>		
			Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0114	EA		Call Station With Entry Keypad, Exterior Wiegand Output Access Controls .....	1,475.89	120.05
			Note: For mullion mounting.		
28 16 11 00-0115	EA		Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls .....	1,218.43	120.05
			Note: For mullion mounting.		
28 16 11 00-0116			<b>Biometrics Readers, Wiegand Output Access Controls</b> <small>(28 16 11 00-0064)</small>		
28 16 11 00-0117	EA		Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls .....	6,532.32	96.04
28 16 11 00-0118	EA		CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls.....	7,989.26	96.04
28 16 11 00-0119	EA		Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls.....	3,120.60	96.04
28 16 11 00-0120	EA		Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass).....	1,941.65	96.04
28 16 11 00-0121	EA		Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox) .....	2,168.21	96.04
28 16 11 00-0122	EA		Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart) .....	1,941.65	96.04
28 16 11 00-0123			<b>Exterior Mounting Posts For Gate Operator Access Controls</b> <small>(28 16 11)</small>		
			Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0124			<b>2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls</b> <small>(28 16 11 00-0123)</small>		
28 16 11 00-0125	EA		44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls .....	446.64	39.68
			Note: Includes a 5" x 5" base plate.		
28 16 11 00-0126	EA		73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls .....	851.71	39.68
			Note: Includes an 8" x 8" base plate.		
28 16 11 00-0127	EA		Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls .....	405.45	39.68
			Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0128			<b>4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls</b> <small>(28 16 11 00-0123)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0129 EA 59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls ..... Note: Includes an 8" x 8" base plate.	802.37	47.61
28 16 11 00-0130 EA 49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls ..... Note: Includes an 8" x 8" base plate and a 14" offset from back of post.	953.41	47.61
28 16 11 00-0131 EA Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls ..... Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	592.97	47.61
<b>28 16 11 00-0132 4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls</b> <sup>(28 16 11 00-0123)</sup>		
28 16 11 00-0133 EA 59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls ..... Note: Includes a 11" x 13" base plate.	2,573.44	59.51
28 16 11 00-0134 EA 50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls ..... Note: Includes a 10" x 14" base plate and a 14" offset from back of post.	2,693.58	59.51
28 16 11 00-0135 EA Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls ..... Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	1,131.68	19.84
28 16 11 00-0136 EA 48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls .....	1,783.90	59.51
<b>28 16 11 00-0137 Access Control Accessories</b> <sup>(28 16 11)</sup>		
28 16 11 00-0138 EA 6 Volt DC, 12 Volt DC, Or 24 Volt DC, At 4 Amperes, Power Supply/Charger (Altronix SMP-5) .....	604.32	
28 16 11 00-0139 EA 7 Amperes, 12 Volt, Battery .....	82.80	
28 16 11 00-0140 EA 18 Amperes, 12 Volt, Battery .....	184.55	
28 16 11 00-0141 EA Door Personality Module (Sensomatic RM-4) .....	660.39	24.01
28 16 11 00-0142 EA Mini-Alert Door Ajar Sounder (System Sensor PA400) .....	253.50	48.02
28 16 11 00-0143 EA Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C) .....	69.84	28.81
28 16 11 00-0144 EA Access Control Systems Power Supply (Altronix AL400ULACMCB) .....	744.78	19.20
28 16 11 00-0145 EA Surge Suppressor (Tripp-Lite IBAR4) .....	111.39	4.81
28 16 11 00-0146 EA Door Strike Relay (Altronix RBSN-TTL) .....	69.83	19.20
28 16 11 00-0147 EA 4" Diameter x 74" High, Powder Coated Steel, Burial Mount Gooseneck For Access Control Devices (GNB-1) ..... Note: Set in concrete.	418.18	
28 16 11 00-0148 EA 16-Zone Input, Door Controller Expansion Module With 16" SPI Cable (Kantech KT-MOD-INP16) .....	612.08	120.05
<b>28 16 11 00-0149 Access Controllers</b> <sup>(28 16 11)</sup>		
<b>28 16 11 00-0150 Microterm Controller</b> <sup>(28 16 11 00-0149)</sup>		
28 16 11 00-0151 EA Microterm Stand Alone One Or Two Door Processing Panel (Continental Instruments CICIP1100) ..... Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.	1,676.34	120.05
28 16 11 00-0152 EA Microterm PC Board (Continental Instruments CICIP1100PCB) .....	1,231.39	72.03
28 16 11 00-0153 EA Battery Standby For Microterm (Continental Instruments CICIP1100BAT-2) ..... Note: Input 120 Volt AC, output 12 Volt DC to temporarily power the Microterm only.	597.76	
<b>28 16 11 00-0154 Miniterm Controller</b> <sup>(28 16 11 00-0149)</sup>		
28 16 11 00-0155 EA Miniterm Two Reader Processing Panel (Continental Instrument CICIP1200) ..... Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, tamper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	2,662.39	120.05
28 16 11 00-0156 EA Miniterm PC Board (Continental Instrument CICIP1200PCB) .....	2,037.32	72.03
<b>28 16 11 00-0157 Super-2 Controller</b> <sup>(28 16 11 00-0149)</sup>		
28 16 11 00-0158 EA Super-Two - Two Reader Processing Panel (Continental Instruments CICIP1300) ..... Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.	1,953.47	120.05
28 16 11 00-0159 EA Super-Two - PC Board (Continental Instruments CICIP1300BD) .....	1,359.78	72.03
28 16 11 00-0160 EA Network Interface Board For Super-2 (Continental Instruments CICIP1300NETBD) ..... Note: Optional on-board adapter allows for communication over TCP/IP.	356.05	72.03
<b>28 16 11 00-0161 Smarterm Controller</b> <sup>(28 16 11 00-0149)</sup>		
28 16 11 00-0162 EA Smarterm Four Reader Processing Panel (Continental Instrument CICIP1400) ..... Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	5,652.11	144.06
28 16 11 00-0163 EA Smarterm PC Board (Continental Instrument CICIP1400PCB) .....	4,386.50	72.03
28 16 11 00-0164 EA Smarterm Memory Board - 256K (Continental Instrument CICIP1400MB256-1) ..... Note: Up to 10,000 cardholders.	1,689.62	72.03
28 16 11 00-0165 EA Smarterm Memory Board - 2MB (Continental Instrument CICIP1400MB2-1) ..... Note: Up to 50,000 cardholders.	2,414.02	72.03
28 16 11 00-0166 EA Smarterm Relay Expander Board (Continental Instrument CICIP1400RB) ..... Note: 16 Output relays, 8 alarm inputs.	1,871.21	72.03
28 16 11 00-0167 EA Smarterm Alarm Expander Board (Continental Instrument CICIP1400RB) ..... Note: (Supervised) 16 alarm inputs.	1,871.21	72.03
<b>28 16 11 00-0168 Superterm-4 Controller</b> <sup>(28 16 11 00-0149)</sup>		

**28 Electronic Safety and Security****28 10 Access Control****28 16 Access Control Interfaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0169 EA Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400UL).....	5,210.06	144.06
Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.		
28 16 11 00-0170 EA Superterm-4 PC Board (Continental Instrument CICIP1400ULPCB).....	4,312.20	72.03
<b>28 16 11 00-0171 Superterm-8 Controller</b> (28 16 11 00-0149)		
28 16 11 00-0172 EA Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800) .....	6,906.60	240.10
Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.		
28 16 11 00-0173 EA Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800EXP).....	7,510.25	240.10
Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.		
28 16 11 00-0174 EA Superterm-8 PC Board (Continental Instrument CICIP1800PCB) .....	5,816.66	72.03
<b>28 16 11 00-0175 Turbo Superterm-4 Controller</b> (28 16 11 00-0149)		
28 16 11 00-0176 EA Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400ULT).....	5,210.06	144.06
Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.		
28 16 11 00-0177 EA Turbo Superterm-4 PC Board (Continental Instrument CICIP1400ULTPCB) .....	4,312.20	72.03
<b>28 16 11 00-0178 Turbo Superterm-8 Controller</b> (28 16 11 00-0149)		
28 16 11 00-0179 EA Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800T).....	6,906.60	240.10
Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.		
28 16 11 00-0180 EA Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800TEXP) .....	7,510.25	240.10
Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.		
28 16 11 00-0181 EA Turbo Superterm-8 PC Board (Continental Instrument CICIP1800TPCB).....	5,816.66	72.03
28 16 11 00-0182 EA Superterm Memory Board - 2MB (Continental Instrument CICIP1800MB2).....	2,414.02	72.03
Note: Up to 140,000 cardholders.		
28 16 11 00-0183 EA Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICIP1800MB2X2) .....	2,027.66	72.03
Note: Up to 140,000 cardholders.		
28 16 11 00-0184 EA Turbo Superterm-8 Relay Expander Board (Continental Instrument CICIP1800RB).....	1,873.16	72.03
Note: 16 Output relays, 8 alarm inputs.		
28 16 11 00-0185 EA Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICIP1800RB).....	1,873.16	72.03
Note: (Supervised) 16 Alarm inputs.		
28 16 11 00-0186 EA Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICIP1800PPWS).....	774.30	
<b>28 16 11 00-0187 Intelligent Controller</b> (28 16 11 00-0149)		
28 16 11 00-0188 EA Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501).....	1,335.97	72.03
28 16 11 00-0189 EA Up To 64 Doors, Access Controller (Mercury Security EP-1502) .....	2,286.86	120.05
<b>28 16 11 00-0190 Access Control Bundled System</b> (28 16 11)		
28 16 11 00-0191 EA CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0).....	38,141.02	
Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.		
<b>28 16 11 00-0192 Magnetic Locks</b> (28 16 11)		
Note: Excludes access controls.		
<b>28 16 11 00-0193 Magnetic Door Locks</b> (28 16 11 00-0192)		
<b>28 16 11 00-0194 300 LB Magnetic Door Locks</b> (28 16 11 00-0193)		
28 16 11 00-0195 EA Single Door, Surface Mount, 300 LB Magnetic Door Lock.....	600.59	96.04
<b>28 16 11 00-0196 600 LB Magnetic Door Locks</b> (28 16 11 00-0193)		
28 16 11 00-0197 EA 600 LB, Single Door, Surface Mount, Magnetic Door Lock.....	883.79	96.04
For LED Status Indicator And Signal Relay, Add	86.46	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	172.93	
For Mortise Mount, Deduct	-138.34	
28 16 11 00-0198 EA 600 LB, Dual Doors, Surface Mount, Magnetic Door Lock.....	1,348.93	96.04
For LED Status Indicator And Signal Relay, Add	144.61	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	289.21	
<b>28 16 11 00-0199 1,200 LB Magnetic Door Locks</b> (28 16 11 00-0193)		
28 16 11 00-0200 EA 1,200 LB, Single Door, Surface Mount, Magnetic Door Lock.....	926.70	96.04
For LED Status Indicator And Signal Relay, Add	168.96	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	220.38	
28 16 11 00-0201 EA Dual Doors, Surface Mount, 1,200 LB Magnetic Door Lock.....	1,441.61	96.04
For LED Status Indicator And Signal Relay, Add	287.39	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	374.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>28 16 11 00-0202</b> <b>2,000 LB Shear Lock, Magnetic And Mechanical Locks</b> <small>(28 16 11 00-0193)</small> Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0203    EA    Single Door, Mortise Mount, 2,000 LB Shear Lock, Magnetic And Mechanical Door Lock.....	973.04	96.04
<b>28 16 11 00-0204</b> <b>Magnetic Gate Locks</b> <small>(28 16 11 00-0192)</small>		
<b>28 16 11 00-0205</b> <b>600 LB Magnetic Gate Locks</b> <small>(28 16 11 00-0204)</small>		
28 16 11 00-0206    EA    600 LB Magnetic Gate Lock.....	713.87	96.04
<b>28 16 11 00-0207</b> <b>1,200 LB Magnetic Gate Locks</b> <small>(28 16 11 00-0204)</small>		
28 16 11 00-0208    EA    1,200 LB Magnetic Gate Lock.....	870.06	96.04
For LED Status Indicator And Signal Relay, Add	84.75	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	169.49	
For Mortise Mount, Deduct	-135.59	
<b>28 16 11 00-0209</b> <b>Magnetic Lock Power Supply And Chargers</b> <small>(28 16 11 00-0192)</small> Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0210    EA    12/24 Volt DC At 1 Ampere, Magnetic Lock Backup Power Supply And Charger .....	514.04	96.04
28 16 11 00-0211    EA    12/24 Volt DC At 2-1/2 Amperes, Magnetic Lock Backup Power Supply And Charger .....	669.66	96.04
28 16 11 00-0212    EA    12 Volt DC At 4 Amperes And 24 Volt DC At 3 Amperes, Magnetic Lock Backup Power Supply And Charger .....	761.20	96.04
28 16 11 00-0213    EA    12/24 Volt DC At 6 Amperes, Magnetic Lock Backup Power Supply And Charger.....	971.74	96.04
<b>28 16 11 00-0214</b> <b>Master Door Buzzer Stations</b> <small>(28 16 11)</small>		
<b>28 16 11 00-0215</b> <b>Master Stations</b> <small>(28 16 11 00-0214)</small>		
28 16 11 00-0216    EA    Master Stations, 5 Station Intercommunication Equipment .....	1,064.92	149.83
28 16 11 00-0217    EA    Master Stations, 10 Station Intercommunication Equipment .....	1,565.71	290.04
28 16 11 00-0218    EA    Master Station, Desk Style Remote Intercommunication Equipment.....	452.19	74.91
28 16 11 00-0219    EA    Master Station, Flush Wall Remote Intercommunication Equipment .....	563.11	124.85
28 16 11 00-0220    EA    Sound System Outlet, Protector .....	135.63	48.89
28 16 11 00-0221    EA    Sound System Microphone Outlet.....	229.53	100.08
28 16 11 00-0222    EA    Ceiling Or Wall, Sound System Speaker .....	190.31	48.89
28 16 11 00-0223    EA    Sound System Monitor Panel .....	578.74	100.08
28 16 11 00-0224    EA    Sound System Volume Control .....	160.85	48.89
28 16 11 00-0225    EA    250 Watt, Sound System Amplifier .....	2,710.84	400.21
28 16 11 00-0226    EA    Sound System Cabinet.....	1,494.53	400.21
<b>28 16 11 00-0227</b> <b>Master Door Stations</b> <small>(28 16 11 00-0214)</small>		
28 16 11 00-0228    EA    Master Door Stations, Button Buzzer Type, 25 Station.....	2,137.94	
For Intercom Type Master Door Station, Add	210.06	
28 16 11 00-0229    EA    Master Door Stations, Button Buzzer Type, 50 Station.....	3,535.34	
For Intercom Type Master Door Station, Add	340.30	
28 16 11 00-0230    EA    Master Door Stations, Button Buzzer Type, 75 Station.....	4,833.20	
For Intercom Type Master Door Station, Add	441.13	
28 16 11 00-0231    EA    Master Door Stations, Button Buzzer Type, 100 Station.....	5,533.64	
For Intercom Type Master Door Station, Add	516.75	
28 16 11 00-0232    EA    Master Door Stations, Button Buzzer Type, 150 Station.....	6,808.26	
For Intercom Type Master Door Station, Add	756.22	
28 16 11 00-0233    EA    Master Door Stations, Button Buzzer Type, 200 Station.....	8,050.98	
For Intercom Type Master Door Station, Add	974.68	
28 16 11 00-0234    EA    Master Door Stations, Button Buzzer Type, 250 Station.....	10,159.07	
For Intercom Type Master Door Station, Add	1,260.36	
28 16 11 00-0235    EA    Master Door Stations, Button Buzzer Type, 300 Station.....	12,093.21	
For Intercom Type Master Door Station, Add	1,445.21	
28 16 11 00-0236    EA    Transformer .....	150.66	
28 16 11 00-0237    EA    Door Opener .....	222.45	
28 16 11 00-0238    EA    Buzzer With Door Release And Plate.....	270.51	
28 16 11 00-0239    EA    Amplifier For Intercom Type Unit .....	476.79	
28 16 11 00-0240    EA    Speaker With Door Release .....	196.17	
<b>28 18</b> <b>Security Access Detection Equipment</b> <small>(28 10)</small>		
<b>28 18 11</b> <b>Security Access Metal Detectors</b> <small>(28 18)</small>		
<b>28 18 11 00-0001</b> <b>Metal Detectors</b> <small>(28 18 11)</small>		
28 18 11 00-0002    EA    Handheld Scanner (Garrett Super Scanner V) .....	257.86	24.01
28 18 11 00-0003    EA    Single-Zone, Walk-Through Metal Detector, Complete Unit (Garrett CS 5000).....	4,213.90	288.12
28 18 11 00-0004    EA    Multi-Zone, Walk-Through Metal Detector, Complete Unit (Garrett PD 6500) .....	6,537.29	384.16
<b>28 20</b> <b>Video Surveillance</b> <small>(28)</small> Note: Includes testing of new devices and certification.		

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT UNIT COST  
 DEMOLITION UNIT COST
**28 21 Surveillance Cameras** (28 20)**28 21 31 Proprietary Surveillance Camera Systems** (28 21)

Note: Includes programming of equipment, testing and certification of new devices.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0001		<b>Closed Circuit Television And Surveillance Systems</b> (28 21 31)		
28 21 31 00-0002		<b>Cameras And Accessories</b> (28 21 31 00-0001)		
28 21 31 00-0003		<b>Cameras</b> (28 21 31 00-0002)		
28 21 31 00-0004		<b>General Use Video Camera</b> (28 21 31 00-0003)		
28 21 31 00-0005	EA	Environmental Pendant Mounted High Performance Dome Camera..... Note: 16x optical and 8x digital zoom. Auto focus, high resolution integrated low light color camera. Pelco model SD53TC-PG-E1.	4,317.40	96.04
28 21 31 00-0006	EA	Spare CCTV Camera..... Note: Pelco model DD53TC-16.	3,182.11	96.04
28 21 31 00-0007	EA	1/3" CCD Wide Range DSP Color Camera..... Note: JVC model TK-C1460U	1,530.43	96.04
28 21 31 00-0008	EA	1/3" High Resolution Digital CCD Day/Night Camera ..... Note: Pelco model CC3770H.	1,026.23	96.04
28 21 31 00-0009		<b>Camera Power Supply</b> (28 21 31 00-0003)		
28 21 31 00-0010	EA	24 Volt AC, Outdoor..... Note: Type WCS1-4 as manufactured by Pelco	343.07	48.02
28 21 31 00-0011	EA	24 Volt AC, Indoor Power Supply Units ..... Note: Type MCS16-20B as manufactured by Pelco	505.46	48.02
28 21 31 00-0012	EA	24 Volt AC, 7 Amperes (175VA) Rack Mount CCTV Power Supply ..... Note: Altronix model R2416UL. 16 Fuse protected outputs.	6,074.07	120.05
28 21 31 00-0013		<b>Enclosures</b> (28 21 31 00-0002)		
28 21 31 00-0014	EA	19" Gangable Enclosure..... Note: Middle Atlantic Products model MRK-4426. 1/8" Thick structural steel internal braces.	1,742.01	120.05
28 21 31 00-0015		<b>Miscellaneous Accessories</b> (28 21 31 00-0002)		
28 21 31 00-0016	EA	Digital Video Controller, 8/16 Camera Inputs, 80GB-1TB Storage..... Note: Pelco model DX8008-1000	19,449.01	84.03
28 21 31 00-0017	EA	Video Mass Storage Unit, Up To 14 IDE Drives..... Note: Pelco model DX9200HDDI	36,264.41	84.03
28 21 31 00-0018	EA	Line-Interactive Network Power Management System ..... Note: Trip Lite model SMART1500RM2U. 1500VA line interactive 2U rack/tower UPS system with sine wave output in AC and battery mode. 8 outlets arranged in 2 switchable load banks.	1,850.32	84.03
28 21 31 00-0019		<b>Camera Mounting</b> (28 21 31 00-0002)		
28 21 31 00-0020		<b>Camera Wall Mounts</b> (28 21 31 00-0019)		
28 21 31 00-0021	EA	Parapet Camera Wall Mount, 1.5" Diameter Pipe..... Note: Pelco model PP350	916.61	94.47
28 21 31 00-0022	EA	Wall Mount Bracket For Exterior CCTV Without Transformer..... Note: Pelco model IWM-GY.	361.27	94.59
28 21 31 00-0023	EA	Wall Mount Bracket For Exterior CCTV With Transformer..... Note: Pelco model IWM-24GY. Includes integral 24 VAC, 100 VA transformer, gray finish.	667.20	94.59
28 21 31 00-0024	EA	Pole Adapter Wall Mount..... Note: Pelco model PA402.	303.90	94.59
28 21 31 00-0025		<b>Video Monitor</b> (28 21 31 00-0001)		
28 21 31 00-0026	EA	15" Flat Panel TFT LCD High Resolution Video Monitor..... Note: Pelco model PMCL15A	3,020.44	192.09
28 21 31 00-0027	EA	17" Color Video Monitor..... Note: JVC model number TM-H1700GU.	1,875.46	192.09
28 21 31 00-0028		<b>Closed Circuit Television And Surveillance Systems (Pelco)</b> (28 21 31)		
28 21 31 00-0029		<b>Cameras And Accessories</b> (28 21 31 00-0028)		
28 21 31 00-0030		<b>Cameras</b> (28 21 31 00-0029)		
28 21 31 00-0031		<b>Compact, 1/3" Format Cameras</b> (28 21 31 00-0030)		
28 21 31 00-0032		<b>High Resolution Color, Compact, 1/3" Format Cameras</b> (28 21 31 00-0031)		
28 21 31 00-0033	EA	High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6).....	603.38	24.06
28 21 31 00-0034		<b>Day/Night, Compact, 1/3" Format Cameras</b> (28 21 31 00-0031)		
28 21 31 00-0035	EA	High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6).....	351.54	24.06





MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0036	<b>Camerapaks</b> (28 21 31 00-0029) Note: Includes camera and lens.		
28 21 31 00-0037	<b>Camerapaks</b> (28 21 31 00-0036)		
28 21 31 00-0038	<b>High Resolution Color, Camerapaks</b> (28 21 31 00-0037)		
28 21 31 00-0039	<b>Fixed Focus, High Resolution Color, Camerapaks</b> (28 21 31 00-0038)		
28 21 31 00-0040	<b>Manual Iris, Fixed Focus, High Resolution Color, Camerapaks</b> (28 21 31 00-0039)		
28 21 31 00-0041	EA 2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3) .....	460.77	24.06
28 21 31 00-0042	EA 2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8) .....	432.45	24.06
28 21 31 00-0043	EA 4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4) .....	419.30	24.06
28 21 31 00-0044	EA 8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8) .....	416.27	24.06
28 21 31 00-0045	<b>Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks</b> (28 21 31 00-0039)		
28 21 31 00-0046	EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A) .....	503.25	24.06
28 21 31 00-0047	EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A) .....	460.77	24.06
28 21 31 00-0048	EA 4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A) .....	450.66	24.06
28 21 31 00-0049	EA 8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A) .....	442.57	24.06
28 21 31 00-0050	<b>Varifocal, High Resolution Color, Camerapaks</b> (28 21 31 00-0038)		
28 21 31 00-0051	<b>Manual Iris, Varifocal, High Resolution Color, Camerapaks</b> (28 21 31 00-0050)		
28 21 31 00-0052	EA 1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1) .....	544.72	24.06
28 21 31 00-0053	EA 2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2) .....	490.10	24.06
28 21 31 00-0054	EA 2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21) .....	445.60	24.06
28 21 31 00-0055	EA 3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3) .....	427.40	24.06
28 21 31 00-0056	EA 5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5) .....	495.16	24.06
28 21 31 00-0057	<b>Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks</b> (28 21 31 00-0050)		
28 21 31 00-0058	EA 1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A) .....	589.22	24.06
28 21 31 00-0059	EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A) .....	551.80	24.06
28 21 31 00-0060	EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A) .....	488.08	24.06
28 21 31 00-0061	EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A) .....	434.47	24.06
28 21 31 00-0062	EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A) .....	516.40	24.06
28 21 31 00-0063	EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A) .....	585.17	24.06
28 21 31 00-0064	EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A) .....	673.17	24.06
28 21 31 00-0065	<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks</b> (28 21 31 00-0050)		
28 21 31 00-0066	EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A) .....	457.74	24.06
28 21 31 00-0067	EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A) .....	549.77	24.06
28 21 31 00-0068	<b>High Resolution Day/Night, Camerapaks</b> (28 21 31 00-0037)		
28 21 31 00-0069	<b>Varifocal, High Resolution Day/Night, Camerapaks</b> (28 21 31 00-0068)		
28 21 31 00-0070	<b>Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks</b> (28 21 31 00-0069)		
28 21 31 00-0071	EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A) .....	938.15	24.06
28 21 31 00-0072	EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A) .....	874.43	24.06
28 21 31 00-0073	EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A) .....	820.83	24.06
28 21 31 00-0074	EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A) .....	902.75	24.06
28 21 31 00-0075	EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A) .....	971.53	24.06
28 21 31 00-0076	EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A) .....	1,058.51	24.06
28 21 31 00-0077	<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks</b> (28 21 31 00-0069)		
28 21 31 00-0078	EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A) .....	844.09	24.06
28 21 31 00-0079	EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A) .....	936.13	24.06
28 21 31 00-0080	<b>Compact Camerapaks</b> (28 21 31 00-0036)		
28 21 31 00-0081	<b>High Resolution Color, Compact Camerapaks</b> (28 21 31 00-0080)		
28 21 31 00-0082	<b>DSS, High Resolution Color, Compact Camerapaks</b> (28 21 31 00-0081)		
28 21 31 00-0083	<b>Fixed Focus, DSS, High Resolution Color, Camerapaks</b> (28 21 31 00-0082)		
28 21 31 00-0084	<b>Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks</b> (28 21 31 00-0083)		

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0085	EA		2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3).....	724.75	24.06
28 21 31 00-0086	EA		2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8).....	696.43	24.06
28 21 31 00-0087	EA		4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4).....	682.27	24.06
28 21 31 00-0088	EA		8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8).....	679.23	24.06
<b>28 21 31 00-0089</b>			<b>Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0083)</small>		
28 21 31 00-0090	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A).....	766.21	24.06
28 21 31 00-0091	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A).....	724.75	24.06
28 21 31 00-0092	EA		4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A).....	714.63	24.06
28 21 31 00-0093	EA		8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A).....	706.54	24.06
<b>28 21 31 00-0094</b>			<b>Varifocal, DSS, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0082)</small>		
<b>28 21 31 00-0095</b>			<b>Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0094)</small>		
28 21 31 00-0096	EA		1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1).....	808.69	24.06
28 21 31 00-0097	EA		2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2).....	753.07	24.06
28 21 31 00-0098	EA		2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21).....	709.58	24.06
28 21 31 00-0099	EA		3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3).....	691.37	24.06
28 21 31 00-0100	EA		5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5).....	758.12	24.06
28 21 31 00-0101	EA		5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50).....	801.61	24.06
28 21 31 00-0102	EA		5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55).....	904.78	24.06
<b>28 21 31 00-0103</b>			<b>Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0094)</small>		
28 21 31 00-0104	EA		1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A).....	852.18	24.06
28 21 31 00-0105	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A).....	815.77	24.06
28 21 31 00-0106	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A).....	752.05	24.06
28 21 31 00-0107	EA		3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A).....	697.44	24.06
28 21 31 00-0108	EA		5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A).....	780.37	24.06
28 21 31 00-0109	EA		5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A).....	849.15	24.06
28 21 31 00-0110	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A).....	936.13	24.06
<b>28 21 31 00-0111</b>			<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0094)</small>		
28 21 31 00-0112	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A).....	721.71	24.06
28 21 31 00-0113	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A).....	813.75	24.06
<b>28 21 31 00-0114</b>			<b>EDR, High Resolution Color, Compact Camerapaks</b> <small>(28 21 31 00-0081)</small>		
<b>28 21 31 00-0115</b>			<b>Fixed Focus, EDR, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0114)</small>		
<b>28 21 31 00-0116</b>			<b>Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0115)</small>		
28 21 31 00-0117	EA		2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3).....	724.75	24.06
28 21 31 00-0118	EA		2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8).....	538.65	24.06
28 21 31 00-0119	EA		4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4).....	524.49	24.06
28 21 31 00-0120	EA		8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8).....	521.46	24.06
<b>28 21 31 00-0121</b>			<b>Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0115)</small>		
28 21 31 00-0122	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A).....	608.44	24.06
28 21 31 00-0123	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A).....	566.97	24.06
28 21 31 00-0124	EA		4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A).....	556.85	24.06
28 21 31 00-0125	EA		8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A).....	556.85	24.06
<b>28 21 31 00-0126</b>			<b>Varifocal, EDR, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0114)</small>		
<b>28 21 31 00-0127</b>			<b>Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0126)</small>		
28 21 31 00-0128	EA		1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1).....	650.91	24.06
28 21 31 00-0129	EA		2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2).....	595.29	24.06
28 21 31 00-0130	EA		2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21).....	551.80	24.06
28 21 31 00-0131	EA		3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3).....	533.59	24.06
28 21 31 00-0132	EA		5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5).....	600.34	24.06
28 21 31 00-0133	EA		5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50).....	643.83	24.06
28 21 31 00-0134	EA		5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55).....	747.00	24.06
<b>28 21 31 00-0135</b>			<b>Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0126)</small>		
28 21 31 00-0136	EA		1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A).....	694.40	24.06
28 21 31 00-0137	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A).....	657.99	24.06
28 21 31 00-0138	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A).....	593.26	24.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0139 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A).....	539.66	24.06
28 21 31 00-0140 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A).....	622.60	24.06
28 21 31 00-0141 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A).....	691.37	24.06
28 21 31 00-0142 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A).....	778.35	24.06
<b>28 21 31 00-0143 Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0126)</b>		
28 21 31 00-0144 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A).....	563.93	24.06
28 21 31 00-0145 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A).....	655.97	24.06
<b>28 21 31 00-0146 High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0080)</b>		
<b>28 21 31 00-0147 Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0146)</b>		
<b>28 21 31 00-0148 Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0147)</b>		
28 21 31 00-0149 EA 8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8).....	668.11	24.06
<b>28 21 31 00-0150 DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0147)</b>		
28 21 31 00-0151 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A).....	755.09	24.06
28 21 31 00-0152 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A).....	712.61	24.06
<b>28 21 31 00-0153 Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0146)</b>		
<b>28 21 31 00-0154 Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0153)</b>		
28 21 31 00-0155 EA 2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21).....	697.44	24.06
28 21 31 00-0156 EA 3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3).....	679.23	24.06
28 21 31 00-0157 EA 5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50).....	790.49	24.06
<b>28 21 31 00-0158 Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0153)</b>		
28 21 31 00-0159 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A).....	803.64	24.06
28 21 31 00-0160 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A).....	739.92	24.06
28 21 31 00-0161 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A).....	686.31	24.06
28 21 31 00-0162 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A).....	768.24	24.06
28 21 31 00-0163 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A).....	837.01	24.06
28 21 31 00-0164 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A).....	925.00	24.06
<b>28 21 31 00-0165 Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0153)</b>		
28 21 31 00-0166 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A).....	709.58	24.06
28 21 31 00-0167 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A).....	801.61	24.06
<b>28 21 31 00-0168 Camera Systems (28 21 31 00-0029)</b>		
<b>28 21 31 00-0169 Camera Dome Systems (28 21 31 00-0168)</b>		
<b>28 21 31 00-0170 Spectra®, Pan/Tilt Camera Dome Systems (28 21 31 00-0169)</b>		
<b>28 21 31 00-0171 Spectra®, Pan/Tilt Camera Dome Systems (28 21 31 00-0170)</b> Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
<b>28 21 31 00-0172 Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0171)</b>		
<b>28 21 31 00-0173 Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0172)</b>		
28 21 31 00-0174 EA 22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB).....	2,946.68	144.36
28 21 31 00-0175 EA 22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F).....	3,361.35	144.36
28 21 31 00-0176 EA 22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB).....	3,547.45	144.36
28 21 31 00-0177 EA 22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E).....	4,939.14	144.36
<b>28 21 31 00-0178 Color, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0172)</b>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0179	EA		16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB) .....	2,476.38	144.36
28 21 31 00-0180	EA		16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F) .....	2,685.74	144.36
28 21 31 00-0181	EA		16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB) .....	2,872.85	144.36
28 21 31 00-0182	EA		16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E) .....	2,980.06	144.36
28 21 31 00-0183	EA		16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E) .....	2,980.06	144.36
28 21 31 00-0184	EA		22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB) .....	3,124.69	144.36
28 21 31 00-0185	EA		22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F) .....	3,540.37	144.36
28 21 31 00-0186	EA		22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB) .....	3,727.48	144.36
28 21 31 00-0187	EA		22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E) .....	3,834.69	144.36
28 21 31 00-0188	EA		22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E) .....	3,834.69	144.36
<b>28 21 31 00-0189</b>			<b>Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0172)</b>		
28 21 31 00-0190	EA		23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB) .....	3,643.53	144.36
28 21 31 00-0191	EA		23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F) .....	4,059.22	144.36
28 21 31 00-0192	EA		23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB) .....	4,246.33	144.36
28 21 31 00-0193	EA		23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E) .....	4,353.54	144.36
28 21 31 00-0194	EA		23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E) .....	4,353.54	144.36
<b>28 21 31 00-0195</b>			<b>Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0172)</b>		
28 21 31 00-0196	EA		18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB) .....	3,303.70	144.36
28 21 31 00-0197	EA		18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F) .....	3,514.07	144.36
28 21 31 00-0198	EA		18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB) .....	3,700.17	144.36
28 21 31 00-0199	EA		18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E) .....	3,807.38	144.36
28 21 31 00-0200	EA		18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E) .....	3,807.38	144.36
28 21 31 00-0201	EA		35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB) .....	3,984.38	144.36
28 21 31 00-0202	EA		35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F) .....	4,315.10	144.36
28 21 31 00-0203	EA		35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB) .....	4,501.20	144.36
28 21 31 00-0204	EA		35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E) .....	4,608.41	144.36
28 21 31 00-0205	EA		35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E) .....	4,608.41	144.36
<b>28 21 31 00-0206</b>			<b>Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0171)</b>		
<b>28 21 31 00-0207</b>			<b>Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0206)</b>		
28 21 31 00-0208	EA		16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF) .....	3,231.89	144.36
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0209	EA		16X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP) .....	3,411.92	144.36
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0210	EA		16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE) .....	3,555.54	144.36
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0211	EA		22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF) .....	4,023.82	144.36
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0212	EA		22X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP) .....	4,203.85	144.36
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0213	EA		22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE) .....	4,348.48	144.36
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
<b>28 21 31 00-0214</b>			<b>Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0206)</b>		
28 21 31 00-0215	EA		18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF) .....	4,059.22	144.36
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0216	EA		18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP) .....	4,239.25	144.36
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0217	EA		18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE) .....	4,383.88	144.36
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0218	EA		35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF) .....	4,798.55	144.36
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0219	EA		35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP) .....	4,977.57	144.36
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0220	EA		35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE) .....	5,122.20	144.36
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
<b>28 21 31 00-0221</b>			<b>Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0171)</b>		
<b>28 21 31 00-0222</b>			<b>Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0221)</b>		
28 21 31 00-0223	EA		18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE) .....	5,387.19	144.36
28 21 31 00-0224	EA		35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE) .....	6,126.52	144.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0225	Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0171)</small>	
28 21 31 00-0226	Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0225)</small>	
28 21 31 00-0227	EA 22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE) .....	4,677.18 144.36
28 21 31 00-0228	Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0225)</small>	
28 21 31 00-0229	EA 16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE) .....	4,064.28 144.36
28 21 31 00-0230	EA 22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE) .....	4,857.21 144.36
28 21 31 00-0231	Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0225)</small>	
28 21 31 00-0232	EA 23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE) .....	5,376.06 144.36
28 21 31 00-0233	Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0225)</small>	
28 21 31 00-0234	EA 18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE) .....	4,892.61 144.36
28 21 31 00-0235	EA 35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE) .....	5,630.93 144.36
28 21 31 00-0236	Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0171)</small>	
28 21 31 00-0237	Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0236)</small>	
28 21 31 00-0238	EA 10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B) .....	1,843.24 144.36
28 21 31 00-0239	Spectra® IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0170)</small> Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.	
28 21 31 00-0240	Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0239)</small>	
28 21 31 00-0241	Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0240)</small>	
28 21 31 00-0242	EA 16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F) .....	3,441.25 144.36
28 21 31 00-0243	EA 16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB) .....	3,628.36 144.36
28 21 31 00-0244	EA 16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E) .....	3,735.57 144.36
28 21 31 00-0245	EA 16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E) .....	3,735.57 144.36
28 21 31 00-0246	EA 22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1) .....	4,295.89 144.36
28 21 31 00-0247	EA 22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1) .....	4,483.00 144.36
28 21 31 00-0248	EA 22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1) .....	4,590.20 144.36
28 21 31 00-0249	EA 22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1) .....	4,590.20 144.36
28 21 31 00-0250	Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0240)</small>	
28 21 31 00-0251	EA 23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1) .....	4,814.74 144.36
28 21 31 00-0252	EA 23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1) .....	5,001.84 144.36
28 21 31 00-0253	EA 23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1) .....	5,109.05 144.36
28 21 31 00-0254	EA 23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1) .....	5,109.05 144.36
28 21 31 00-0255	Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0239)</small>	
28 21 31 00-0256	Color, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0255)</small>	
28 21 31 00-0257	EA 16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1) .....	3,987.41 144.36
28 21 31 00-0258	EA 16X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1) .....	4,167.44 144.36
28 21 31 00-0259	EA 16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1) .....	4,311.06 144.36
	<i>For Protective Lower Dome Cage, Add</i>	34.65
	<i>For Protective Lower Dome Cage, Add</i>	34.65
	<i>For Protective Lower Dome Cage, Add</i>	34.65

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0260	EA		22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1) ..... <i>For Protective Lower Dome Cage, Add</i>	4,779.34 34.65	144.36
28 21 31 00-0261	EA		22X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1)..... <i>For Protective Lower Dome Cage, Add</i>	4,959.37 34.65	144.36
28 21 31 00-0262	EA		22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1)..... <i>For Protective Lower Dome Cage, Add</i>	5,104.00 34.65	144.36
<b>28 21 31 00-0263</b>			<b>Day/Night, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0255)</small>		
28 21 31 00-0264	EA		18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1)..... <i>For Protective Lower Dome Cage, Add</i>	4,814.74 34.65	144.36
28 21 31 00-0265	EA		18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1)..... <i>For Protective Lower Dome Cage, Add</i>	4,994.76 34.65	144.36
28 21 31 00-0266	EA		18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1)..... <i>For Protective Lower Dome Cage, Add</i>	5,139.39 34.65	144.36
28 21 31 00-0267	EA		35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1)..... <i>For Protective Lower Dome Cage, Add</i>	5,554.07 34.65	144.36
28 21 31 00-0268	EA		35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1)..... <i>For Protective Lower Dome Cage, Add</i>	5,733.09 34.65	144.36
28 21 31 00-0269	EA		35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1)..... <i>For Protective Lower Dome Cage, Add</i>	5,877.72 34.65	144.36
<b>28 21 31 00-0270</b>			<b>Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0239)</small>		
<b>28 21 31 00-0271</b>			<b>Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems</b> <small>(28 21 31 00-0270)</small>		
28 21 31 00-0272	EA		16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1).....	4,819.79	144.36
28 21 31 00-0273	EA		22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1).....	5,612.73	144.36
<b>28 21 31 00-0274</b>			<b>Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems</b> <small>(28 21 31 00-0270)</small>		
28 21 31 00-0275	EA		23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	6,131.58	144.36
<b>28 21 31 00-0276</b>			<b>Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems</b> <small>(28 21 31 00-0270)</small>		
28 21 31 00-0277	EA		18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1).....	5,648.13	144.36
28 21 31 00-0278	EA		35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	6,386.45	144.36
<b>28 21 31 00-0279</b>			<b>Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0239)</small>		
<b>28 21 31 00-0280</b>			<b>Color, Miniature Spectra® IP Network, Mini Camera Dome Systems</b> <small>(28 21 31 00-0279)</small>		
28 21 31 00-0281	EA		10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1).....	2,330.74	144.36
<b>28 21 31 00-0282</b>			<b>Spectra®, Pan/Tilt Dome Drives</b> <small>(28 21 31 00-0170)</small>		
			Note: Includes dome drive, camera and lens.		
28 21 31 00-0283	EA		10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4).....	1,719.26	120.30
28 21 31 00-0284	EA		10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N).....	2,204.73	120.30
28 21 31 00-0285	EA		22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22).....	2,804.49	120.30
28 21 31 00-0286	EA		16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16).....	2,191.58	120.30
28 21 31 00-0287	EA		22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22).....	2,983.51	120.30
28 21 31 00-0288	EA		18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18).....	3,018.91	120.30
28 21 31 00-0289	EA		23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23).....	3,502.35	120.30
28 21 31 00-0290	EA		35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35).....	3,758.24	120.30
28 21 31 00-0291	EA		35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35).....	3,758.24	120.30
<b>28 21 31 00-0292</b>			<b>Accessories For Spectra® Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0170)</small>		
28 21 31 00-0293	EA		Upgrade To Chrome Lower Dome (Pelco Spectra).....	142.61	
28 21 31 00-0294	EA		Upgrade To Gold Lower Dome (Pelco Spectra).....	186.10	
28 21 31 00-0295	EA		Wall Mount For Spectra® Systems (Pelco IWM-BK).....	149.47	12.03
28 21 31 00-0296	EA		24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK).....	385.13	12.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0297 EA Wall Arm Mount For Spectra® Systems (Pelco IDM4018) .....	145.43	12.03
28 21 31 00-0298 EA Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS) .....	253.04	12.03
28 21 31 00-0299 EA Pole Mount Adapter For Spectra® Systems (Pelco PA402) .....	72.69	7.16
<b>28 21 31 00-0300 Camclosure®, Camera Dome Systems (28 21 31 00-0169)</b>		
<b>28 21 31 00-0301 Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0300)</b>		
<b>28 21 31 00-0302 Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0301)</b>		
<b>28 21 31 00-0303 High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0302)</b>		
28 21 31 00-0304 EA 12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12) .....	647.77	144.36
28 21 31 00-0305 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22) .....	708.45	144.36
28 21 31 00-0306 EA 12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12) .....	794.42	144.36
28 21 31 00-0307 EA 12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12) .....	794.42	144.36
<b>28 21 31 00-0308 Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0302)</b>		
28 21 31 00-0309 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22) .....	805.55	144.36
28 21 31 00-0310 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22) .....	884.43	144.36
28 21 31 00-0311 EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22) .....	884.43	144.36
<b>28 21 31 00-0312 Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0302)</b>		
28 21 31 00-0313 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22) .....	932.98	144.36
28 21 31 00-0314 EA 9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22) .....	1,128.18	144.36
28 21 31 00-0315 EA 9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22) .....	1,128.18	144.36
<b>28 21 31 00-0316 Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0302)</b>		
28 21 31 00-0317 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22) .....	1,026.03	144.36
28 21 31 00-0318 EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22) .....	1,151.44	144.36
<b>28 21 31 00-0319 Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0301)</b>		
<b>28 21 31 00-0320 High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0319)</b>		
28 21 31 00-0321 EA 3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6) .....	742.68	96.24
<b>28 21 31 00-0322 Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0319)</b>		
28 21 31 00-0323 EA 9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22) .....	856.97	96.24
<b>28 21 31 00-0324 Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0319)</b>		
28 21 31 00-0325 EA 9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22) .....	948.00	96.24
<b>28 21 31 00-0326 Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0319)</b>		
28 21 31 00-0327 EA 9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22) .....	993.51	96.24
<b>28 21 31 00-0328 Camclosure® IS Integrated Cameras (28 21 31 00-0301)</b>		
28 21 31 00-0329 EA 12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12) .....	510.06	96.24
28 21 31 00-0330 EA 9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22) .....	510.06	96.24
28 21 31 00-0331 EA 9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22) .....	600.07	96.24
28 21 31 00-0332 EA 9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22) .....	843.82	96.24

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0333 EA 9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22) .....	867.08	96.24
<b>28 21 31 00-0334 Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0300)</b>		
<b>28 21 31 00-0335 Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0334)</b>		
<b>28 21 31 00-0336 Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0335)</b>		
28 21 31 00-0337 EA 12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12) .....	547.64	144.36
28 21 31 00-0338 EA 12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T) .....	591.13	144.36
28 21 31 00-0339 EA 12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12) .....	765.09	144.36
28 21 31 00-0340 EA 12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12) .....	765.09	144.36
<b>28 21 31 00-0341 High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0335)</b>		
28 21 31 00-0342 EA 3-9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A) .....	960.29	144.36
<b>28 21 31 00-0343 Camclosure® ICS Integrated, Bullet Style Camera Systems (28 21 31 00-0334)</b>		
<b>28 21 31 00-0344 Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems (28 21 31 00-0343)</b>		
28 21 31 00-0345 EA 12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12) .....	668.85	96.24
<b>28 21 31 00-0346 Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0334)</b>		
<b>28 21 31 00-0347 High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0346)</b>		
28 21 31 00-0348 EA 9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22) .....	884.43	144.36
<b>28 21 31 00-0349 Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0346)</b>		
28 21 31 00-0350 EA 9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22) .....	975.46	144.36
<b>28 21 31 00-0351 Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0346)</b>		
28 21 31 00-0352 EA 9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22) .....	1,089.75	144.36
<b>28 21 31 00-0353 Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0346)</b>		
28 21 31 00-0354 EA 9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22) .....	1,135.26	144.36
<b>28 21 31 00-0355 Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0300)</b>		
<b>28 21 31 00-0356 Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0355)</b>		
<b>28 21 31 00-0357 High Resolution Color, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0356)</b>		
28 21 31 00-0358 EA 3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9) .....	1,636.92	144.36
28 21 31 00-0359 EA 9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22) .....	1,636.92	144.36
<b>28 21 31 00-0360 Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0356)</b>		
28 21 31 00-0361 EA 3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9) .....	1,762.33	144.36
28 21 31 00-0362 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22) .....	1,762.33	144.36
<b>28 21 31 00-0363 Day/Night, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0356)</b>		
28 21 31 00-0364 EA 3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9) .....	1,955.51	144.36





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0365	EA			9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22).....	1,955.51	144.36
				<b>28 21 31 00-0366 Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems</b> <small>(28 21 31 00-0366)</small>		
28 21 31 00-0367	EA			3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9).....	2,092.05	144.36
28 21 31 00-0368	EA			9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22).....	2,092.05	144.36
				<b>28 21 31 00-0369 Accessories For Camclosure® Camera Dome Systems</b> <small>(28 21 31 00-0300)</small>		
28 21 31 00-0370	EA			4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP).....	32.65	7.21
28 21 31 00-0371	EA			4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP).....	32.65	7.21
28 21 31 00-0372	EA			Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS).....	42.27	12.03
28 21 31 00-0373	EA			Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND).....	70.58	12.03
28 21 31 00-0374	EA			2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P).....	75.12	7.21
28 21 31 00-0375	EA			Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG).....	70.58	12.03
28 21 31 00-0376	EA			Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM).....	90.81	12.03
28 21 31 00-0377	EA			Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A).....	246.35	24.06
28 21 31 00-0378	EA			Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A).....	246.35	24.06
28 21 31 00-0379	EA			Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A).....	246.35	24.06
28 21 31 00-0380	EA			Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A).....	246.35	24.06
28 21 31 00-0381	EA			Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P).....	85.76	12.03
28 21 31 00-0382	EA			Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD).....	93.63	24.06
28 21 31 00-0383	EA			Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD).....	93.63	24.06
28 21 31 00-0384	EA			Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD).....	93.63	24.06
28 21 31 00-0385	EA			Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD).....	93.63	24.06
28 21 31 00-0386	EA			Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD).....	93.63	24.06
28 21 31 00-0387	EA			Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD).....	93.63	24.06
28 21 31 00-0388	EA			Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC).....	274.06	32.86
28 21 31 00-0389	EA			Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P).....	59.46	12.03
28 21 31 00-0390	EA			Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW).....	104.97	12.03
28 21 31 00-0391	EA			White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P).....	59.46	12.03
28 21 31 00-0392	EA			White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW).....	104.97	12.03
28 21 31 00-0393	EA			Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC).....	1,522.63	144.36
				<b>28 21 31 00-0394 Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0168)</small>		
				<b>28 21 31 00-0395 Esprit® CBZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0394)</small>		
				Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.		
				<b>28 21 31 00-0396 EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0395)</small>		
				<b>28 21 31 00-0397 Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0396)</small>		
28 21 31 00-0398	EA			10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N).....	4,390.69	216.54
28 21 31 00-0399	EA			20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N).....	4,998.54	216.54
28 21 31 00-0400	EA			30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N).....	5,841.04	216.54
28 21 31 00-0401	EA			10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN).....	4,521.16	216.54
28 21 31 00-0402	EA			20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN).....	5,156.32	216.54
28 21 31 00-0403	EA			30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN).....	5,998.81	216.54
				<b>28 21 31 00-0404 Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0396)</small>		
28 21 31 00-0405	EA			10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W).....	4,432.16	216.54
28 21 31 00-0406	EA			20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W).....	5,040.01	216.54
28 21 31 00-0407	EA			30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W).....	5,882.50	216.54
28 21 31 00-0408	EA			10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW).....	4,563.64	216.54
28 21 31 00-0409	EA			20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW).....	5,197.79	216.54
28 21 31 00-0410	EA			30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW).....	6,040.28	216.54
				<b>28 21 31 00-0411 Esprit® CLZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0394)</small>		
				<b>28 21 31 00-0412 DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0411)</small>		

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0413			<b>Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0412)</small>		
28 21 31 00-0414	EA		10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N).....	4,548.47	216.54
28 21 31 00-0415	EA		20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N).....	5,156.32	216.54
28 21 31 00-0416	EA		30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N).....	5,998.81	216.54
28 21 31 00-0417	EA		10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN).....	4,678.94	216.54
28 21 31 00-0418	EA		20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN).....	5,314.10	216.54
28 21 31 00-0419	EA		30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN).....	6,156.59	216.54
28 21 31 00-0420			<b>Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0412)</small>		
28 21 31 00-0421	EA		10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W).....	4,589.93	216.54
28 21 31 00-0422	EA		20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W).....	5,197.79	216.54
28 21 31 00-0423	EA		30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W).....	6,040.28	216.54
28 21 31 00-0424	EA		10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW).....	4,721.42	216.54
28 21 31 00-0425	EA		20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW).....	5,355.56	216.54
28 21 31 00-0426	EA		30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW).....	6,198.06	216.54
28 21 31 00-0427			<b>Esprit® AJZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0394)</small>		
28 21 31 00-0428			<b>High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0427)</small>		
28 21 31 00-0429			<b>Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0428)</small>		
28 21 31 00-0430	EA		6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N).....	4,284.49	216.54
28 21 31 00-0431	EA		5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N).....	4,892.34	216.54
28 21 31 00-0432	EA		5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N).....	5,734.84	216.54
28 21 31 00-0433	EA		6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN).....	4,415.97	216.54
28 21 31 00-0434	EA		5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN).....	5,050.12	216.54
28 21 31 00-0435	EA		5.5 x 30, Preset Positioning, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN).....	5,892.62	216.54
28 21 31 00-0436			<b>Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0428)</small>		
28 21 31 00-0437	EA		6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	4,326.97	216.54
28 21 31 00-0438	EA		5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W).....	4,933.81	216.54
28 21 31 00-0439	EA		5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W).....	5,777.32	216.54
28 21 31 00-0440	EA		6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW).....	4,356.30	216.54
28 21 31 00-0441	EA		6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	4,457.44	216.54
28 21 31 00-0442	EA		5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW).....	5,091.59	216.54
28 21 31 00-0443	EA		5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW).....	5,935.10	216.54
28 21 31 00-0444			<b>Esprit® AMZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0394)</small>		
28 21 31 00-0445			<b>Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0444)</small>		
28 21 31 00-0446			<b>Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0445)</small>		
28 21 31 00-0447	EA		5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N).....	5,144.18	216.54
28 21 31 00-0448	EA		5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N).....	5,986.68	216.54
28 21 31 00-0449	EA		6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN).....	4,667.81	216.54
28 21 31 00-0450	EA		5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN).....	5,301.96	216.54
28 21 31 00-0451	EA		5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN).....	6,144.46	216.54
28 21 31 00-0452			<b>Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0445)</small>		
28 21 31 00-0453	EA		6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W).....	4,578.81	216.54
28 21 31 00-0454	EA		5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W).....	5,185.65	216.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0455 EA 5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W) .....	6,029.16	216.54
28 21 31 00-0456 EA 6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW) .....	4,709.28	216.54
28 21 31 00-0457 EA 5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW) .....	5,343.43	216.54
28 21 31 00-0458 EA 5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW) .....	6,186.93	216.54
<b>28 21 31 00-0459 Esprit® KWZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0394)</small>		
<b>28 21 31 00-0460 Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0459)</small>		
<b>28 21 31 00-0461 Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0460)</small>		
28 21 31 00-0462 EA 5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N) .....	6,121.19	216.54
28 21 31 00-0463 EA 6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN) .....	4,801.32	216.54
28 21 31 00-0464 EA 5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN) .....	6,278.97	216.54
<b>28 21 31 00-0465 Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0460)</small>		
28 21 31 00-0466 EA 6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W) .....	4,712.31	216.54
28 21 31 00-0467 EA 5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W) .....	6,163.67	216.54
28 21 31 00-0468 EA 6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW) .....	4,843.80	216.54
28 21 31 00-0469 EA 5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW) .....	5,477.94	216.54
28 21 31 00-0470 EA 5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW) .....	6,321.45	216.54
<b>28 21 31 00-0471 Esprit® IOC, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0394)</small>		
<b>28 21 31 00-0472 Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0471)</small>		
<b>28 21 31 00-0473 Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0472)</small>		
28 21 31 00-0474 EA 16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N) .....	5,136.09	216.54
<b>28 21 31 00-0475 Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0472)</small>		
28 21 31 00-0476 EA 16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W) .....	5,177.56	216.54
<b>28 21 31 00-0477 High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0471)</small>		
<b>28 21 31 00-0478 Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0477)</small>		
28 21 31 00-0479 EA 22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N) .....	6,121.19	216.54
28 21 31 00-0480 EA 24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N) .....	5,914.87	216.54
28 21 31 00-0481 EA 35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N) .....	6,739.16	216.54
<b>28 21 31 00-0482 Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0477)</small>		
28 21 31 00-0483 EA 22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W) .....	6,161.65	216.54
28 21 31 00-0484 EA 24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W) .....	5,914.87	216.54
28 21 31 00-0485 EA 35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W) .....	6,784.67	216.54
<b>28 21 31 00-0486 Esprit® IOP, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0394)</small>		
<b>28 21 31 00-0487 High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0486)</small>		
<b>28 21 31 00-0488 Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0487)</small>		
28 21 31 00-0489 EA 16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N) .....	3,923.42	216.54
28 21 31 00-0490 EA 22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N) .....	4,909.54	216.54
28 21 31 00-0491 EA 24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N) .....	4,706.24	216.54
28 21 31 00-0492 EA 35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N) .....	5,348.48	216.54
<b>28 21 31 00-0493 Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0487)</small>		
28 21 31 00-0494 EA 16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W) .....	3,963.88	216.54
28 21 31 00-0495 EA 22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W) .....	4,951.00	216.54
28 21 31 00-0496 EA 24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W) .....	4,747.71	216.54
28 21 31 00-0497 EA 35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W) .....	5,394.00	216.54

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

28 21 31 00-0498	Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0394)		
28 21 31 00-0499	Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0498)		
28 21 31 00-0500	Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0499)		
28 21 31 00-0501	EA 14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N).....	25,826.30	216.54
28 21 31 00-0502	EA 35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N) .....	27,781.34	216.54
28 21 31 00-0503	EA 50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N) .....	28,437.73	216.54
28 21 31 00-0504	Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0499)		
28 21 31 00-0505	EA 14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W).....	25,868.78	216.54
28 21 31 00-0506	EA 35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W) .....	27,822.80	216.54
28 21 31 00-0507	EA 50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W).....	28,479.20	216.54
28 21 31 00-0508	Accessories For Esprit® Pan/Tilt Camera Systems (28 21 31 00-0394)		
28 21 31 00-0509	EA Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE) .....	10.17	2.40
28 21 31 00-0510	EA Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT) .....	59.46	12.03
28 21 31 00-0511	EA Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM).....	95.87	12.03
28 21 31 00-0512	EA Wall Mount For High Security Enclosures (Pelco HSWM12) .....	123.18	12.03
28 21 31 00-0513	EA Ground Isolation Transformer (Pelco GIT100).....	344.86	32.86
28 21 31 00-0514	EA High Security, Indoor Wedge Style Enclosure (Pelco HS2100) .....	479.11	32.86
28 21 31 00-0515	EA High Security, Indoor 10" Length Enclosure (Pelco HS3000) .....	418.69	32.86
28 21 31 00-0516	EA High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500).....	558.69	32.86
28 21 31 00-0517	EA High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080) .....	317.55	32.86
28 21 31 00-0518	EA High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134) .....	807.22	32.86
28 21 31 00-0519	EA Bullet-Resistant, Outdoor Enclosure (Pelco HS4514).....	1,370.41	32.86
28 21 31 00-0520	EA Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT).....	1,634.39	32.86
28 21 31 00-0521	EA 24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24).....	1,694.06	32.86
28 21 31 00-0522	EA 35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35).....	1,788.12	32.86
28 21 31 00-0523	EA 24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2).....	2,086.16	32.87
28 21 31 00-0524	EA 24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N) .....	2,111.09	32.86
28 21 31 00-0525	EA 24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W) .....	2,135.03	32.86
28 21 31 00-0526	EA 30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30) .....	5,666.84	32.86
28 21 31 00-0527	EA 30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P) .....	5,824.62	32.86
28 21 31 00-0528	EA Esprit® Camera Pole Mount Adapter (Pelco EPM).....	93.09	7.74
28 21 31 00-0529	EA Pole Mount Adapter For Esprit® Systems (Pelco EPM) .....	93.09	7.74
28 21 31 00-0530	Camera Lenses (28 21 31 00-0029)		
28 21 31 00-0531	Fixed Focus Camera Lenses (28 21 31 00-0530) Note: 1/3" format and manual focus.		
28 21 31 00-0532	Manual Iris, Fixed Focus Camera Lenses (28 21 31 00-0531)		
28 21 31 00-0533	EA 2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3).....	154.40	11.29
28 21 31 00-0534	EA 2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8).....	126.08	11.29
28 21 31 00-0535	EA 4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4).....	111.92	11.29
28 21 31 00-0536	EA 8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8).....	108.89	11.29
28 21 31 00-0537	Direct Drive Auto Iris, Fixed Focus Camera Lenses (28 21 31 00-0531) Note: Includes spot filter. Excludes amplifier.		
28 21 31 00-0538	EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3) .....	195.87	11.29
28 21 31 00-0539	EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8) .....	154.40	11.29
28 21 31 00-0540	EA 4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4) .....	144.29	11.29
28 21 31 00-0541	EA 8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8) .....	99.79	11.29
28 21 31 00-0542	Video Drive Auto Iris, Fixed Focus Camera Lenses (28 21 31 00-0531) Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 31 00-0543	EA 2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S).....	233.29	11.29
28 21 31 00-0544	EA 2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S).....	190.81	11.29
28 21 31 00-0545	EA 4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S) .....	180.70	11.29
28 21 31 00-0546	EA 8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S) .....	172.61	11.29
28 21 31 00-0547	Varifocal Camera Lenses (28 21 31 00-0530) Note: 1/3" format and manual focus and zoom.		
28 21 31 00-0548	Manual Iris, Varifocal Camera Lenses (28 21 31 00-0547)		
28 21 31 00-0549	EA 1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3).....	201.55	11.29
28 21 31 00-0550	EA 2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6).....	182.72	11.29
28 21 31 00-0551	EA 2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12).....	139.23	11.29
28 21 31 00-0552	EA 3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8).....	121.03	11.29
28 21 31 00-0553	EA 5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5).....	334.43	11.29
28 21 31 00-0554	EA 5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40).....	155.47	11.29
28 21 31 00-0555	EA 5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50).....	165.94	11.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>28 21 31 00-0556</b> Direct Drive Auto Iris, Varifocal Camera Lenses <small>(28 21 31 00-0547)</small>		
<i>Note: Includes spot filter.</i>		
28 21 31 00-0557 EA 1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3) .....	198.06	11.29
28 21 31 00-0558 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6) .....	174.32	11.29
28 21 31 00-0559 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12) .....	132.43	11.29
28 21 31 00-0560 EA 3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8) .....	97.53	11.29
28 21 31 00-0561 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5) .....	365.78	11.29
28 21 31 00-0562 EA 5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50) .....	195.96	11.29
<b>28 21 31 00-0563</b> Video Drive Auto Iris, Varifocal Camera Lenses <small>(28 21 31 00-0547)</small>		
<i>Note: Includes spot filter.</i>		
28 21 31 00-0564 EA 1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S) .....	319.26	11.29
28 21 31 00-0565 EA 2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S) .....	281.84	11.29
28 21 31 00-0566 EA 3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S) .....	164.52	11.29
28 21 31 00-0567 EA 5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S) .....	315.21	11.29
<b>28 21 31 00-0568</b> Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses <small>(28 21 31 00-0547)</small>		
28 21 31 00-0569 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5) .....	113.58	11.29
28 21 31 00-0570 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50) .....	172.92	11.29
<b>28 21 31 00-0571</b> Motorized Zoom Camera Lenses <small>(28 21 31 00-0530)</small>		
<i>Note: 1/3" format.</i>		
<b>28 21 31 00-0572</b> Manual Iris, Motorized Zoom Camera Lenses <small>(28 21 31 00-0571)</small>		
28 21 31 00-0573 EA 8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8) .....	589.30	11.29
28 21 31 00-0574 EA 10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10) .....	738.99	11.29
28 21 31 00-0575 EA 15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15) .....	788.55	11.29
<b>28 21 31 00-0576</b> Direct Drive Auto Iris, Motorized Zoom Camera Lenses <small>(28 21 31 00-0571)</small>		
<i>Note: Includes spot filter.</i>		
28 21 31 00-0577 EA 6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8) .....	466.83	11.29
28 21 31 00-0578 EA 10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10) .....	540.13	11.29
28 21 31 00-0579 EA 15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15) .....	872.50	11.29
28 21 31 00-0580 EA 20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20) .....	929.68	11.29
28 21 31 00-0581 EA 30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30) .....	1,849.09	11.29
<b>28 21 31 00-0582</b> Video Drive Auto Iris, Motorized Zoom Camera Lenses <small>(28 21 31 00-0571)</small>		
<i>Note: Includes spot filter.</i>		
28 21 31 00-0583 EA 8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S) .....	604.47	11.29
28 21 31 00-0584 EA 10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S) .....	721.80	11.29
28 21 31 00-0585 EA 15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S) .....	909.92	11.29
28 21 31 00-0586 EA 20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S) .....	1,329.65	11.29
28 21 31 00-0587 EA 30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S) .....	2,172.14	11.29
<b>28 21 31 00-0588</b> Camera Power Supplies <small>(28 21 31 00-0029)</small>		
28 21 31 00-0589 EA 20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000) .....	37.45	9.63
28 21 31 00-0590 EA 50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000) .....	67.79	9.63
28 21 31 00-0591 EA 2 Amperes, 4 Outputs, Camera Power Supply (Pelco MCS4-2) .....	265.39	19.24
28 21 31 00-0592 EA 5 Amperes, 8 Outputs, Camera Power Supply (Pelco MCS8-5) .....	305.57	28.87
28 21 31 00-0593 EA 10 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-10) .....	343.67	38.50
<i>For Switchable Outputs, Add</i>	160.01	
28 21 31 00-0594 EA 20 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-20) .....	383.86	48.12
<i>For Switchable Outputs, Add</i>	172.57	
<b>28 21 31 00-0595</b> Camera Illuminators <small>(28 21 31 00-0029)</small>		
<b>28 21 31 00-0596</b> Camera Illuminators <small>(28 21 31 00-0595)</small>		
<i>Note: Includes lamp and mounting bracket.</i>		
28 21 31 00-0597 EA Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF) .....	1,587.96	19.24
28 21 31 00-0598 EA Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS) .....	1,587.96	19.24
28 21 31 00-0599 EA Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF) .....	1,587.96	19.24
<b>28 21 31 00-0600</b> Camera Illuminator Accessories <small>(28 21 31 00-0595)</small>		
28 21 31 00-0601 EA Removal And Replacement Of Lamp For Low Light Level Camera Illuminator (Pelco PAR56) .....	124.47	19.24
<b>28 21 31 00-0602</b> Camera Receivers <small>(28 21 31 00-0029)</small>		
28 21 31 00-0603 EA 24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP) .....	1,520.10	32.86
28 21 31 00-0604 EA 120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP) .....	1,520.10	32.86
<b>28 21 31 00-0605</b> Pan And Tilt Drives <small>(28 21 31 00-0029)</small>		

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0606	EA		15 LB Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P) .....	1,067.77	72.18
28 21 31 00-0607	EA		40 LB Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P) .....	1,363.10	72.18
			<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0608	EA		100 LB Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P).....	2,912.56	72.18
			<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0609	EA		100 LB Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC).....	3,332.29	72.18
			<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0610	EA		100 LB Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL).....	3,860.24	72.18
			<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0611	EA		100 LB Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX).....	4,982.90	72.18
			<i>For Preset Positioning, Add</i>	165.00	
<b>28 21 31 00-0612</b>			<b>Scanners</b> <small>(28 21 31 00-0029)</small>		
28 21 31 00-0613	EA		35 LB Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24).....	1,222.51	72.18
			<i>For Wall Mount, Add</i>	39.05	
			<i>For Pressure Sensor Alarm, Add</i>	51.15	
28 21 31 00-0614	EA		35 LB Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20).....	1,286.23	72.18
			<i>For Wall Mount, Add</i>	39.05	
			<i>For Pressure Sensor Alarm, Add</i>	51.15	
<b>28 21 31 00-0615</b>			<b>Camera Monitors</b> <small>(28 21 31 00-0028)</small>		
<b>28 21 31 00-0616</b>			<b>Camera Monitors</b> <small>(28 21 31 00-0615)</small>		
<b>28 21 31 00-0617</b>			<b>Monochrome Camera Monitors</b> <small>(28 21 31 00-0616)</small>		
28 21 31 00-0618	EA		9" Monochrome Camera Monitor (Pelco PMM9A).....	238.23	14.44
28 21 31 00-0619	EA		12" Monochrome Camera Monitor (Pelco PMM12A) .....	273.63	14.44
28 21 31 00-0620	EA		15" Monochrome Camera Monitor (Pelco PMM15A) .....	423.32	14.44
28 21 31 00-0621	EA		20" Monochrome Camera Monitor (Pelco PMM20A) .....	685.27	14.44
<b>28 21 31 00-0622</b>			<b>Color Camera Monitors</b> <small>(28 21 31 00-0616)</small>		
28 21 31 00-0623	EA		9", High Resolution Color, Camera Monitor (Pelco PMCS9A).....	774.27	14.44
28 21 31 00-0624	EA		15", High Resolution Color, Camera Monitor (Pelco PMCS15A) .....	626.61	14.44
28 21 31 00-0625	EA		17", High Resolution Color, Camera Monitor (Pelco PMCS17A) .....	913.85	14.44
28 21 31 00-0626	EA		19", High Resolution Color, Camera Monitor (Pelco PMCS19A) .....	1,217.27	14.44
<b>28 21 31 00-0627</b>			<b>LCD Camera Monitors</b> <small>(28 21 31 00-0615)</small>		
<b>28 21 31 00-0628</b>			<b>VGA Signal, Color LCD Camera Monitors (Pelco 200 Series)</b> <small>(28 21 31 00-0627)</small>		
			Note: Displays VGA computer signals.		
28 21 31 00-0629	EA		17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217) .....	876.42	14.44
28 21 31 00-0630	EA		19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219) .....	1,143.43	14.44
<b>28 21 31 00-0631</b>			<b>Multimode, Color LCD Camera Monitors (Pelco 300 Series)</b> <small>(28 21 31 00-0627)</small>		
			Note: Displays VGA computer signals and/or composite video signals.		
28 21 31 00-0632	EA		15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315) .....	997.79	14.44
28 21 31 00-0633	EA		17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317) .....	1,196.03	14.44
28 21 31 00-0634	EA		19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319) .....	1,473.15	14.44
<b>28 21 31 00-0635</b>			<b>Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series)</b> <small>(28 21 31 00-0627)</small>		
			Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 31 00-0636	EA		15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415).....	1,283.01	14.44
28 21 31 00-0637	EA		17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417).....	1,489.33	14.44
28 21 31 00-0638	EA		19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419).....	1,870.63	14.44
<b>28 21 31 00-0639</b>			<b>Camera Monitor Mounting Accessories</b> <small>(28 21 31 00-0615)</small>		
<b>28 21 31 00-0640</b>			<b>Camera Monitor Mounts</b> <small>(28 21 31 00-0639)</small>		
28 21 31 00-0641	EA		Up To 14", Camera Monitor Mount (Pelco).....	291.35	19.24
28 21 31 00-0642	EA		>14" To 17", Camera Monitor Mount (Pelco) .....	340.91	19.24
28 21 31 00-0643	EA		>17" To 21", Camera Monitor Mount (Pelco) .....	401.59	19.24
<b>28 21 31 00-0644</b>			<b>Camera Monitor Rack Mount Kits</b> <small>(28 21 31 00-0639)</small>		
28 21 31 00-0645	EA		Camera Monitor Rack Mount Kit (Pelco PMCL-RM).....	173.02	19.24
<b>28 21 31 00-0646</b>			<b>Video Transmission Equipment</b> <small>(28 21 31 00-0028)</small>		
<b>28 21 31 00-0647</b>			<b>UTP Cable, Video Transmission Equipment</b> <small>(28 21 31 00-0646)</small>		
<b>28 21 31 00-0648</b>			<b>UTP Cable, Active Video Receivers</b> <small>(28 21 31 00-0647)</small>		
28 21 31 00-0649	EA		Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR) .....	366.71	24.06
28 21 31 00-0650	EA		Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR) .....	1,290.12	24.06
28 21 31 00-0651	EA		Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US) .....	2,549.31	24.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0652 EA Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US) .....	4,194.86	24.06
28 21 31 00-0653 EA Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US) .....	4,899.81	24.06
<b>28 21 31 00-0654 UTP Cable, Passive Video Transceivers (28 21 31 00-0647)</b>		
28 21 31 00-0655 EA Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P) .....	99.70	24.06
28 21 31 00-0656 EA Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P) .....	366.71	24.06
28 21 31 00-0657 EA Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P) .....	686.31	24.06
28 21 31 00-0658 EA Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P) .....	1,315.40	24.06
28 21 31 00-0659 EA Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P) .....	2,583.70	24.06
<b>28 21 31 00-0660 UTP Cable, Active Video Transmitters (28 21 31 00-0647)</b>		
28 21 31 00-0661 EA Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT) .....	383.90	24.06
<b>28 21 31 00-0662 Fiber Optics, Video Transmission Equipment (28 21 31 00-0646)</b>		
<b>28 21 31 00-0663 Data Only, Fiber Optics Transmission Equipment (28 21 31 00-0662)</b>		
<b>28 21 31 00-0664 Bidirectional Data, Fiber Optics Transmitters (28 21 31 00-0663)</b>		
28 21 31 00-0665 EA Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS) .....	2,268.73	48.12
28 21 31 00-0666 EA Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM) .....	915.47	48.12
28 21 31 00-0667 EA Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S) .....	1,652.78	48.12
28 21 31 00-0668 EA Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M) .....	1,133.94	48.12
<b>28 21 31 00-0669 Bidirectional Data, Fiber Optics Receivers (28 21 31 00-0663)</b>		
28 21 31 00-0670 EA Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS) .....	2,268.73	48.12
28 21 31 00-0671 EA Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM) .....	915.47	48.12
28 21 31 00-0672 EA Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S) .....	1,652.78	48.12
28 21 31 00-0673 EA Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M) .....	1,133.94	48.12
<b>28 21 31 00-0674 Video Only, Fiber Optics Transmission Equipment (28 21 31 00-0662)</b>		
<b>28 21 31 00-0675 Digitally Encoded Video, Fiber Optics Transmitters (28 21 31 00-0674)</b>		
28 21 31 00-0676 EA Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS) .....	996.39	48.12
28 21 31 00-0677 EA Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM) .....	423.93	48.12
28 21 31 00-0678 EA Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S) .....	2,795.67	48.12
28 21 31 00-0679 EA Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M) .....	1,673.01	48.12
28 21 31 00-0680 EA Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S) .....	4,591.91	48.12
28 21 31 00-0681 EA Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M) .....	3,815.16	48.12
28 21 31 00-0682 EA Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S) .....	11,428.98	48.12
28 21 31 00-0683 EA Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M) .....	10,169.78	48.12
<b>28 21 31 00-0684 Digitally Encoded Video, Fiber Optics Receivers (28 21 31 00-0674)</b>		
28 21 31 00-0685 EA Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS) .....	996.39	48.12
28 21 31 00-0686 EA Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM) .....	423.93	48.12
28 21 31 00-0687 EA Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS) .....	1,714.48	48.12
28 21 31 00-0688 EA Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM) .....	683.86	48.12
28 21 31 00-0689 EA Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S) .....	2,795.67	48.12
28 21 31 00-0690 EA Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M) .....	1,673.01	48.12
28 21 31 00-0691 EA Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S) .....	4,591.91	48.12
28 21 31 00-0692 EA Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M) .....	3,815.16	48.12
28 21 31 00-0693 EA Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S) .....	11,428.98	48.12
28 21 31 00-0694 EA Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M) .....	10,169.78	48.12
<b>28 21 31 00-0695 Video And Data, Fiber Optics Transmission Equipment (28 21 31 00-0662)</b>		
<b>28 21 31 00-0696 Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters (28 21 31 00-0695)</b>		
28 21 31 00-0697 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS) .....	1,731.67	48.12
28 21 31 00-0698 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM) .....	1,024.71	48.12
28 21 31 00-0699 EA Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S) .....	4,056.88	48.12
28 21 31 00-0700 EA Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M) .....	3,509.72	48.12
28 21 31 00-0701 EA Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S) .....	6,578.30	48.12
28 21 31 00-0702 EA Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M) .....	4,763.85	48.12
<b>28 21 31 00-0703 Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers (28 21 31 00-0695)</b>		
28 21 31 00-0704 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS) .....	1,731.67	48.12

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0705 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM) .....	1,024.71	48.12
28 21 31 00-0706 EA Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S) .....	4,056.88	48.12
28 21 31 00-0707 EA Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M) .....	3,509.72	48.12
28 21 31 00-0708 EA Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S) .....	6,578.30	48.12
28 21 31 00-0709 EA Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M) .....	4,763.85	48.12
<b>28 21 31 00-0710 Video, Audio And Data, Fiber Optics Transmission Equipment (28 21 31 00-0682)</b>		
<b>28 21 31 00-0711 Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters (28 21 31 00-0710)</b>		
28 21 31 00-0712 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S) .....	2,236.36	48.12
28 21 31 00-0713 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M) .....	1,775.16	48.12
<b>28 21 31 00-0714 Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers (28 21 31 00-0710)</b>		
28 21 31 00-0715 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S) .....	2,236.36	48.12
28 21 31 00-0716 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M) .....	1,775.16	48.12
<b>28 21 31 00-0717 Video Amplifiers (28 21 31 00-0646)</b>		
<b>28 21 31 00-0718 Video Distribution Amplifiers (28 21 31 00-0717)</b>		
28 21 31 00-0719 EA 1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT) .....	273.88	12.03
28 21 31 00-0720 EA 16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA) .....	2,260.27	12.03
Note: Inserts time-date and title on up to 16 video inputs.		
<b>28 21 31 00-0721 Video Equalizing Amplifiers (28 21 31 00-0717)</b>		
28 21 31 00-0722 EA Video Equalizing Amplifier (Pelco EA2010) .....	298.15	12.03
28 21 31 00-0723 EA Half-Duplex, Video Equalizing Amplifier (Pelco EA2000) .....	471.10	12.03
<b>28 21 31 00-0724 Network Video Equipment (28 21 31 00-0028)</b>		
<b>28 21 31 00-0725 Video Encoders/Decoders (28 21 31 00-0724)</b>		
28 21 31 00-0726 EA MPEG4 IP Video Receiver (Pelco NET300R) .....	1,103.59	24.06
28 21 31 00-0727 EA MPEG4 IP Video Transmitter (Pelco NET300T) .....	1,103.59	24.06
28 21 31 00-0728 EA MPEG4 IP Video Receiver With Audio (Pelco NET350R) .....	1,273.51	24.06
28 21 31 00-0729 EA MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T) .....	1,273.51	24.06
<b>28 21 31 00-0730 Network Video Recorders (28 21 31 00-0724)</b>		
28 21 31 00-0731 EA 16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316) .....	7,101.20	48.12
28 21 31 00-0732 EA 32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332) .....	8,267.34	48.12
28 21 31 00-0733 EA 64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364) .....	10,601.65	48.12
28 21 31 00-0734 EA 64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300) .....	7,013.20	48.12
<b>28 21 31 00-0735 Network Video Recorder Software (28 21 31 00-0724)</b>		
28 21 31 00-0736 EA 10 User, License Pack (Pelco VMX300-LIC-10) .....	703.93	
28 21 31 00-0737 EA 20 User, License Pack (Pelco VMX300-LIC-20) .....	1,269.31	
28 21 31 00-0738 EA 50 User, License Pack (Pelco VMX300-LIC-50) .....	2,818.77	
28 21 31 00-0739 EA 100 User, License Pack (Pelco VMX300-LIC-100) .....	4,930.58	
28 21 31 00-0740 EA 10 User, Enterprise License Pack (Pelco VMX300-E-LIC10) .....	1,175.25	
28 21 31 00-0741 EA 20 User, Enterprise License Pack (Pelco VMX300-E-LIC20) .....	2,113.83	
28 21 31 00-0742 EA 50 User, Enterprise License Pack (Pelco VMX300-E-LIC50) .....	4,697.95	
28 21 31 00-0743 EA 100 User, Enterprise License Pack (Pelco VMX300-E-LIC100) .....	8,219.65	
28 21 31 00-0744 EA 200 User, Enterprise License Pack (Pelco VMX300-E-LIC200) .....	14,089.81	
28 21 31 00-0745 EA 500 User, Enterprise License Pack (Pelco VMX300-E-LIC500) .....	29,352.85	
28 21 31 00-0746 EA 0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0) .....	6,317.90	
28 21 31 00-0747 EA 1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1) .....	6,709.31	
28 21 31 00-0748 EA 4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4) .....	10,624.44	
28 21 31 00-0749 EA 0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0) .....	7,022.85	
28 21 31 00-0750 EA 1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1) .....	7,414.26	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0751 EA 4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4) .....	11,327.37	
28 21 31 00-0752 EA 0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0) .....	6,788.20	
28 21 31 00-0753 EA 1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1) .....	7,180.63	
28 21 31 00-0754 EA 4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4) .....	11,094.75	
28 21 31 00-0755 EA 0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0) .....	7,961.43	
28 21 31 00-0756 EA 1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1) .....	8,352.84	
28 21 31 00-0757 EA 4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4) .....	12,267.97	
<b>28 21 31 00-0758 Video Recording Equipment</b> <small>(28 21 31 00-0028)</small>		
<b>28 21 31 00-0759 Digital Video Recorders</b> <small>(28 21 31 00-0758)</small>		
28 21 31 00-0760 EA 8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A) .....	11,131.63	48.12
28 21 31 00-0761 EA 8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A) .....	15,272.30	48.12
28 21 31 00-0762 EA 8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A) .....	19,413.98	48.12
28 21 31 00-0763 EA 16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A) .....	13,406.26	48.12
28 21 31 00-0764 EA 16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A) .....	17,546.94	48.12
28 21 31 00-0765 EA 16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A) .....	21,688.62	48.12
28 21 31 00-0766 EA 24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A) .....	14,657.37	48.12
28 21 31 00-0767 EA 24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A) .....	18,798.04	48.12
28 21 31 00-0768 EA 24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A) .....	22,939.72	48.12
28 21 31 00-0769 EA 32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A) .....	16,932.00	48.12
28 21 31 00-0770 EA 32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A) .....	21,072.68	48.12
28 21 31 00-0771 EA 32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A) .....	25,214.36	48.12
28 21 31 00-0772 EA 16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500) .....	12,289.98	48.12
<b>28 21 31 00-0773 Digital Video Recorder Accessories</b> <small>(28 21 31 00-0758)</small>		
28 21 31 00-0774 EA 16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16) .....	1,067.18	24.06
<b>28 21 31 00-0775 Matrix Systems And Controls</b> <small>(28 21 31 00-0028)</small>		
<b>28 21 31 00-0776 Video Multiplexers</b> <small>(28 21 31 00-0775)</small>		
<b>28 21 31 00-0777 Monochrome Duplex, Video Multiplexers</b> <small>(28 21 31 00-0776)</small>		
28 21 31 00-0778 EA 9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD) .....	2,032.06	48.12
28 21 31 00-0779 EA 16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD) .....	1,919.79	48.12
<b>28 21 31 00-0780 Color Duplex, Video Multiplexers</b> <small>(28 21 31 00-0776)</small>		
28 21 31 00-0781 EA 4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD) .....	1,367.57	48.12
28 21 31 00-0782 EA 9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD) .....	2,622.72	48.12
28 21 31 00-0783 EA 16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD) .....	2,844.21	48.12
<b>28 21 31 00-0784 Color Simplex, Video Multiplexers</b> <small>(28 21 31 00-0776)</small>		
28 21 31 00-0785 EA 9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS) .....	2,201.97	48.12
28 21 31 00-0786 EA 16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS) .....	2,574.17	48.12
<b>28 21 31 00-0787 Video Multiplexer Accessories</b> <small>(28 21 31 00-0776)</small>		
28 21 31 00-0788 EA Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000) .....	1,199.49	32.86
28 21 31 00-0789 EA Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002) .....	695.81	32.86
28 21 31 00-0790 EA Video Multiplexer Server (Pelco MX4000SVR) .....	2,032.06	48.12
<b>28 21 31 00-0791 Quad Video Processor</b> <small>(28 21 31 00-0775)</small>		
28 21 31 00-0792 EA Monochrome, Quad Video Processor (Pelco QD104M) .....	625.63	24.06
28 21 31 00-0793 EA Color, Quad Video Processor (Pelco QD104C) .....	1,030.19	24.06
<b>28 21 31 00-0794 Switcher</b> <small>(28 21 31 00-0775)</small>		
<b>28 21 31 00-0795 Terminating Manual Switchers</b> <small>(28 21 31 00-0794)</small>		
<b>28 21 31 00-0796 Terminating Manual Switchers</b> <small>(28 21 31 00-0795)</small>		
28 21 31 00-0797 EA 4 Inputs, Terminating Manual Switcher (Pelco MS504DT) .....	213.47	19.24
28 21 31 00-0798 EA 8 Inputs, Terminating Manual Switcher (Pelco MS508DT) .....	292.36	19.24
28 21 31 00-0799 EA 12 Inputs, Terminating Manual Switcher (Pelco MS512DT) .....	357.09	19.24
28 21 31 00-0800 EA 18 Inputs, Terminating Manual Switcher (Pelco MS518DT) .....	588.70	19.24
<b>28 21 31 00-0801 Audio Follow, Terminating Manual Switchers</b> <small>(28 21 31 00-0795)</small>		

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0802	EA		4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF) .....	278.20	19.24
28 21 31 00-0803	EA		8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF) .....	495.65	19.24
28 21 31 00-0804	EA		18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF) .....	870.88	19.24
<b>28 21 31 00-0805</b>			<b>Balanced Audio Follow, Terminating Manual Switchers</b> (28 21 31 00-0795)		
28 21 31 00-0806	EA		4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF) .....	374.28	19.24
28 21 31 00-0807	EA		8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF) .....	691.86	19.24
<b>28 21 31 00-0808</b>			<b>Looping Manual Switchers</b> (28 21 31 00-0794)		
<b>28 21 31 00-0809</b>			<b>Looping Manual Switchers</b> (28 21 31 00-0808)		
28 21 31 00-0810	EA		4 Inputs, Looping Manual Switcher (Pelco MS504LDT) .....	239.77	19.24
28 21 31 00-0811	EA		8 Inputs, Looping Manual Switcher (Pelco MS508LDT) .....	331.81	19.24
28 21 31 00-0812	EA		12 Inputs, Looping Manual Switcher (Pelco MS512LDT) .....	424.85	19.24
28 21 31 00-0813	EA		18 Inputs, Looping Manual Switcher (Pelco MS518LDT) .....	705.01	19.24
<b>28 21 31 00-0814</b>			<b>Audio Follow, Looping Manual Switchers</b> (28 21 31 00-0808)		
28 21 31 00-0815	EA		4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL) .....	300.45	19.24
28 21 31 00-0816	EA		8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL) .....	530.04	19.24
28 21 31 00-0817	EA		12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL) .....	730.30	19.24
<b>28 21 31 00-0818</b>			<b>Balanced Audio Follow, Looping Manual Switchers</b> (28 21 31 00-0808)		
28 21 31 00-0819	EA		4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL) .....	401.59	19.24
28 21 31 00-0820	EA		8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL) .....	733.33	19.24
28 21 31 00-0821	EA		12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL) .....	924.49	19.24
<b>28 21 31 00-0822</b>			<b>Sequential Switchers</b> (28 21 31 00-0794)		
<b>28 21 31 00-0823</b>			<b>Single Output, Sequential Switchers</b> (28 21 31 00-0822)		
28 21 31 00-0824	EA		4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104) .....	425.87	19.24
28 21 31 00-0825	EA		8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108) .....	638.26	19.24
<b>28 21 31 00-0826</b>			<b>Dual Outputs, Sequential Switchers</b> (28 21 31 00-0822)		
28 21 31 00-0827	EA		4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204) .....	534.09	19.24
28 21 31 00-0828	EA		8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208) .....	742.43	19.24
<b>28 21 31 00-0829</b>			<b>Controls</b> (28 21 31 00-0775)		
<b>28 21 31 00-0830</b>			<b>Direct/Multi-Cable Controls</b> (28 21 31 00-0829)		
28 21 31 00-0831	EA		Scanner Control Module (Pelco MPS524DT) .....	355.16	48.12
28 21 31 00-0832	EA		120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT) .....	380.44	48.12
28 21 31 00-0833	EA		24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT) .....	423.93	48.12
28 21 31 00-0834	EA		Motorized Zoom Lens Control Module (Pelco MLZ6DT) .....	444.16	48.12
28 21 31 00-0835	EA		120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT) .....	711.17	48.12
28 21 31 00-0836	EA		24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT) .....	785.00	48.12
<b>28 21 31 00-0837</b>			<b>Coaxitron Controls</b> (28 21 31 00-0829)		
28 21 31 00-0838	EA		Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000) .....	507.69	32.86
28 21 31 00-0839	EA		8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000) .....	984.06	32.86
28 21 31 00-0840	EA		Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008) .....	1,120.60	32.86
<b>28 21 31 00-0841</b>			<b>Digital Controls</b> (28 21 31 00-0829)		
28 21 31 00-0842	EA		Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A) .....	690.75	32.86
28 21 31 00-0843	EA		Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A) .....	1,189.37	32.86
<b>28 21 31 00-0844</b>			<b>Lock Boxes</b> (28 21 31 00-0775)		
28 21 31 00-0845	EA		VCR Lock Box (Pelco LB1000) .....	425.16	36.08
			For Wall Mount, Add	165.00	
28 21 31 00-0846	EA		Computer Disk Drive Lock Box (Pelco LB2000) .....	435.27	36.08
28 21 31 00-0847	EA		VCR And Multiplexer Lock Box (Pelco LB3000) .....	809.49	36.08
			Note: Includes storage for 32 VCR tapes.		
<b>28 21 31 00-0848</b>			<b>Test And Certification Of Surveillance Camera System</b> (28 21 31)		
28 21 31 00-0849	DAY		Test And Certification Of Surveillance Camera System To Tie Into Existing Systems .....	762.18	
28 21 31 00-0850	HR		Test And Certification Of Surveillance Camera System .....	238.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>28 21 31 00-0851</b> Programming Of Surveillance Camera System <sup>(28 21 31)</sup>		
28 21 31 00-0852 HR Programming Of Surveillance Camera System .....	285.82	
<b>28 21 31 00-0853</b> Removal And Reinstallation Of Cameras <sup>(28 21 31)</sup>		
Note: Includes storage, cleaning and supply materials.		
28 21 31 00-0854 EA Removal And Reinstallation Of Camera System .....	433.08	
<b>28 40 Life Safety</b> <sup>(28)</sup>		
Note: Includes testing of new devices and certification.		
<b>28 42 Gas Detection and Alarm</b> <sup>(28 40)</sup>		
<b>28 42 11 Gas Detection and Alarm Control, GUI, and Logic Systems</b> <sup>(28 42)</sup>		
<b>28 42 11 00-0001</b> Monitoring System For Underground Tanks <sup>(28 42 11)</sup>		
<b>28 42 11 00-0002</b> Continuous Leak Detection System <sup>(28 42 11 00-0001)</sup>		
Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.		
28 42 11 00-0003 EA Single Channel Underground Tank Monitoring System .....	6,723.04	393.77
28 42 11 00-0004 EA 2 Channel Underground Tank Monitoring System .....	9,070.83	525.35
28 42 11 00-0005 EA 3 Channel Underground Tank Monitoring System .....	12,830.42	562.80
28 42 11 00-0006 EA 4 Channel Underground Tank Monitoring System .....	13,766.41	787.54
28 42 11 00-0007 EA Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System .....	9,662.86	67.23
28 42 11 00-0008 EA Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System .....	8,713.93	60.03
28 42 11 00-0009 EA Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System .....	11,458.29	67.23
28 42 11 00-0010 EA Tank Leak Detection Probe .....	3,546.74	14.41
28 42 11 00-0011 EA Secondary Containment Collar Probe .....	433.05	5.77
28 42 11 00-0012 EA Interstitial Leak Detection Probe .....	793.77	12.00
28 42 11 00-0013 EA Liquid Phase Detection .....	2,619.48	36.01
28 42 11 00-0014 EA Hydrocarbon Vapor, Fixed .....	2,417.95	36.01
28 42 11 00-0015 EA Hydrocarbon Vapor, Float Mounted .....	2,825.55	40.81
28 42 11 00-0016 EA Liquid And Vapor Hydrocarbon .....	3,228.61	40.81
<b>28 42 15 Gas Detection Sensors</b> <sup>(28 42)</sup>		
<b>28 42 15 00-0001</b> Hydrogen Gas Detection <sup>(28 42 15)</sup>		
28 42 15 00-0002 EA Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR) .....	1,922.32	36.08
28 42 15 00-0003 EA Hydrogen Gas Detector Junction Box (SBS HGDI-JB) .....	96.41	12.03
28 42 15 00-0004 EA Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM) .....	475.28	36.08
<b>28 43 Fuel Oil Detection and Alarm</b> <sup>(28 40)</sup>		
See CSI section 28 42 00 00-0000 for detection and alarms.		
<b>28 46 Fire Detection and Alarm</b> <sup>(28 40)</sup>		
<b>28 46 13 Fire-Alarm Systems</b> <sup>(28 46)</sup>		
<b>28 46 13 31 Proprietary Supervising-Station Fire-Alarm Systems</b> <sup>(28 46 13)</sup>		
Note: Includes programming of equipment, testing and certification of new devices.		
<b>28 46 13 31-0001</b> Edwards Fire Alarm <sup>(28 46 13 31)</sup>		
<b>28 46 13 31-0002</b> EST3 Life Safety And Security Control <sup>(28 46 13 31-0001)</sup>		
<b>28 46 13 31-0003</b> EST3 Network <sup>(28 46 13 31-0002)</sup>		
<b>28 46 13 31-0004</b> Remote Annunciators <sup>(28 46 13 31-0003)</sup>		
28 46 13 31-0005 EA Remote LCD Command Module Annunciator (EST3 3-LCDANN) .....	1,531.54	72.18
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 13 31-0006 EA Six Position Base Annunciator (EST3 3-6ANN) .....	1,241.35	72.18
Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 46 13 31-0007 EA Ten Position Base Annunciator (EST3 3-10ANN) .....	1,579.73	72.18
Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 46 13 31-0008 EA Annunciator CPU (EST3 3-ANNCPU3) .....	993.65	72.18
Note: One Required per graphic annunciator.		
28 46 13 31-0009 EA Annunciator Support Module (EST3 3-ANNM) .....	177.36	24.06
Note: Takes one space in Annunciator box. Supports one Control/Display module.		
28 46 13 31-0010 EA Liquid Crystal Display Module (EST3 3-LCD) .....	625.78	72.18
Note: Mounts over 3-CPU(1).		
28 46 13 31-0011 EA Liquid Crystal Display Module (EST3 3-LCDXL) .....	722.32	72.18
Note: Mounts over 3-ANNCPU plus two spaces.		
28 46 13 31-0012 EA LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA) .....	710.60	72.18
Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.		

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0013	EA		Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA)..... Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.	846.48	48.12
28 46 13 31-0014	EA		Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX)..... Note: Mounts up to three 3-EVDVRA modules.	119.75	24.06
28 46 13 31-0015	EA		Central Processor Unit Module (EST3 3-CPU3)..... Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,820.49	72.18
28 46 13 31-0016	EA		120 Volt AC, 50/60 Hertz, Primary Power Supply With Local Rail Module (EST3 3-CPU3)..... Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,626.73	24.06
<b>28 46 13 31-0017</b>			<b>Remote Annunciators Cabinets</b> (28 46 13 31-0003)		
28 46 13 31-0018	EA		Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCMB).....	130.05	24.06
28 46 13 31-0019	EA		Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCMB/S).....	120.43	19.24
28 46 13 31-0020	EA		Six Position LED/LCD Flush Wallbox (EST3 6ANN/B).....	148.24	24.06
28 46 13 31-0021	EA		Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S).....	138.62	19.24
28 46 13 31-0022	EA		Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B).....	165.29	24.06
28 46 13 31-0023	EA		Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S).....	155.67	19.24
<b>28 46 13 31-0024</b>			<b>Audio And Telephone Masters</b> (28 46 13 31-0003)		
28 46 13 31-0025	EA		Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT).....	5,061.71	96.24
28 46 13 31-0026	EA		Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4).....	2,797.02	96.24
28 46 13 31-0027	EA		Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU).....	2,088.85	96.24
28 46 13 31-0028	EA		Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU).....	2,641.30	96.24
28 46 13 31-0029	EA		Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100).....	3,023.41	96.24
28 46 13 31-0030	EA		Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95).....	2,091.45	48.12
<b>28 46 13 31-0031</b>			<b>Battery Distribution Unit</b> (28 46 13 31-0003)		
28 46 13 31-0032	EA		Battery Distribution Unit (EST3 3-BTSEN).....	515.22	418.98
<b>28 46 13 31-0033</b>			<b>Remote Booster Power Supply</b> (28 46 13 31-0003)		
28 46 13 31-0034	EA		6.5 Amperes, 120 Volt AC, Booster Power Supply (EST3 BPS6A).....	852.17	72.18
28 46 13 31-0035	EA		10 Amperes, 110 Volt AC Booster Power Supply (EST3 BPS10).....	978.11	72.18
28 46 13 31-0036	EA		10 Amperes, 220 Volt AC Booster Power Supply (EST3 BPS10220).....	1,070.91	72.18
28 46 13 31-0037	EA		Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP).....	133.10	24.06
<b>28 46 13 31-0038</b>			<b>Batteries And Battery Cabinets</b> (28 46 13 31-0003)		
28 46 13 31-0039	EA		1.2 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V1A2 (1.2 Ampere Hours)).....	98.52	24.06
28 46 13 31-0040	EA		4 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V4A (4.5 Ampere Hours)).....	125.87	24.06
28 46 13 31-0041	EA		24 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V24A (26 Ampere Hours)).....	314.64	24.06
28 46 13 31-0042	EA		6.5 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V6A5 (7.2 Ampere Hours)).....	136.83	24.06
28 46 13 31-0043	EA		40 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V40A (40 Ampere Hours)).....	402.26	24.06
28 46 13 31-0044	EA		10 Amperes Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V10A (11 Ampere Hours)).....	220.87	24.06
28 46 13 31-0045	EA		50 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V50A (50 Ampere Hours)).....	829.19	24.06
28 46 13 31-0046	EA		17 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V17A (18 Ampere Hours)).....	226.51	24.06
28 46 13 31-0047	EA		65 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V65A (65 Amp Hours)).....	1,000.85	24.06
28 46 13 31-0048	EA		8 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V8A (8 Amp Hours)).....	120.54	24.06
28 46 13 31-0049	EA		10 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V10A (12 Amp Hours)).....	106.88	24.06
28 46 13 31-0050	EA		14" x 18-1/4" x 7-1/4" Free Standing Battery Cabinet With Key Lock (EST3 BC-1)..... Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.	401.48	48.12
28 46 13 31-0051	EA		22" x 15" x 3-3/4" Grey Battery Cabinet (EST3 BC-2)..... Note: Holds up to two 12V17A batteries.	327.79	48.12
28 46 13 31-0052	EA		Remote Closet Enclosure (EST3 3-RCC7R).....	1,155.11	96.24
28 46 13 31-0053	EA		Remote Closet Enclosure (EST3 3-RCC14R).....	1,445.21	96.24
28 46 13 31-0054	EA		Remote Closet Enclosure (EST3 3-RCC21R).....	2,046.78	96.24
<b>28 46 13 31-0055</b>			<b>Serial Printer</b> (28 46 13 31-0003)		
28 46 13 31-0056	EA		System Printer - Desk Top Style (EST3 PT-1S).....	1,093.95	24.06
<b>28 46 13 31-0057</b>			<b>Intelligent Analog Initiating Devices</b> (28 46 13 31-0002)		
<b>28 46 13 31-0058</b>			<b>Detectors, Signature</b> (28 46 13 31-0057)		
28 46 13 31-0059	EA		Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHS).....	237.20	36.08
28 46 13 31-0060	EA		Black, Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHSB).....	269.05	36.08
28 46 13 31-0061	EA		Intelligent 3D Multisensor Detector For Photoelectric And Heat (EST3 SIGA-PHS).....	227.71	36.08
28 46 13 31-0062	EA		Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS).....	199.25	36.08
28 46 13 31-0063	EA		Intelligent Ionization Smoke Detector (EST3 SIGA-IS).....	208.74	36.08
28 46 13 31-0064	EA		135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA-HRS).....	167.51	36.08
28 46 13 31-0065	EA		135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA-HFS).....	167.51	36.08
28 46 13 31-0066	EA		Passive Infrared Motion Detector (EST3 SIGA-MD).....	277.52	36.08
28 46 13 31-0067	EA		Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS).....	308.61	36.08
28 46 13 31-0068	EA		Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS).....	257.17	36.08
28 46 13 31-0069	EA		Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS).....	380.56	36.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0070 EA 135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA2-HFS) .....	211.12	36.08
28 46 13 31-0071 EA 135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA2-HRS) .....	211.12	36.08
28 46 13 31-0072 EA Photoelectric, Heat, Intelligent 3D Multisensor Detector (EST3 SIGA2-PHS) .....	298.63	36.08
<b>28 46 13 31-0073 Detectors, Duct Housings and Accessories, Signature</b> <small>(28 46 13 31-0057)</small>		
28 46 13 31-0074 EA Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD) .....	486.94	60.15
28 46 13 31-0075 EA Superduct, Test Magnet Kit (EST3 SD-MAG) .....	18.57	
28 46 13 31-0076 EA Superduct, 120" Air Sample Tube (EST3 SD-T120) .....	60.45	14.44
28 46 13 31-0077 EA Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK) .....	125.25	19.24
28 46 13 31-0078 EA Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS) .....	173.41	19.24
28 46 13 31-0079 EA High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL) .....	70.29	19.24
<b>28 46 13 31-0080 Modules, Signature</b> <small>(28 46 13 31-0057)</small>		
28 46 13 31-0081 EA Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB) .....	228.98	24.06
28 46 13 31-0082 EA Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1) .....	111.78	24.06
28 46 13 31-0083 EA Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2) .....	156.17	24.06
28 46 13 31-0084 EA Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2) .....	203.58	24.06
28 46 13 31-0085 EA Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1) .....	172.93	24.06
28 46 13 31-0086 EA Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2) .....	182.14	24.06
28 46 13 31-0087 EA Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR) .....	135.23	24.06
Note: Select for either N.O. or N.C. operation. Rated at 2 amperes (24 Volt DC).		
28 46 13 31-0088 EA Control Relay UIO (Plug In) Module (EST3 SIGA-MCR) .....	175.19	24.06
28 46 13 31-0089 EA Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S) .....	238.62	24.06
28 46 13 31-0090 EA Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO) .....	232.25	24.06
28 46 13 31-0091 EA Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO) .....	222.76	24.06
28 46 13 31-0092 EA Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM) .....	203.09	179.03
28 46 13 31-0093 EA Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1) .....	144.94	24.06
Note: Factory programmed for non-latching monitor operation.		
28 46 13 31-0094 EA Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S) .....	239.67	24.06
<b>28 46 13 31-0095 Module Accessories, Signature</b> <small>(28 46 13 31-0057)</small>		
Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 and 2-gang modules.		
28 46 13 31-0096 EA Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4) .....	55.93	12.03
28 46 13 31-0097 EA Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6) .....	200.51	24.06
28 46 13 31-0098 EA Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, - UM And -MAB Modules (EST3 235196P) .....	19.18	7.21
28 46 13 31-0099 EA Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1- Gang Signature Modules (EST3 SIGA-MP1) .....	66.91	12.03
28 46 13 31-0100 EA Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1- Gang Signature Modules (EST3 SIGA-MP2) .....	59.03	12.03
28 46 13 31-0101 EA Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L) .....	62.15	12.03
<b>28 46 13 31-0102 Single Action Pull Stations, Signature</b> <small>(28 46 13 31-0057)</small>		
28 46 13 31-0103 EA One Stage Fire Alarm Station, English Markings (EST3 SIGA-270) .....	239.14	50.04
28 46 13 31-0104 EA Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P) .....	286.74	50.04
28 46 13 31-0105 EA GA Key - For Pre Signal Station (EST3 276-K2) .....	33.80	28.98
28 46 13 31-0106 EA 20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR) .....	42.97	38.15
28 46 13 31-0107 EA Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB) .....	59.06	39.80
<b>28 46 13 31-0108 Double Action Pull Stations, Signature</b> <small>(28 46 13 31-0057)</small>		
28 46 13 31-0109 EA Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278) .....	195.92	50.04
28 46 13 31-0110 EA 12 Glass Rods For SIGA-278 Series (EST3 276-GLR) .....	43.65	4.81
<b>28 46 13 31-0111 Detector Bases and Accessories, Signature</b> <small>(28 46 13 31-0057)</small>		
Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
28 46 13 31-0112 EA Audible (Sounder) Base (EST3 SIGA-AB4G) .....	126.35	12.03
28 46 13 31-0113 EA Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB) .....	43.19	12.03
28 46 13 31-0114 EA Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4) .....	159.37	12.03
28 46 13 31-0115 EA Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG) .....	87.65	12.03
28 46 13 31-0116 EA Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB) .....	103.51	12.03
28 46 13 31-0117 EA Detector Mounting Plate (EST3 SIGA-DMP) .....	166.96	12.03
Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.		
28 46 13 31-0118 EA Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED) .....	55.93	12.03
28 46 13 31-0119 EA Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS) .....	19.32	7.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0120 EA Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4).....	19.32	7.21
28 46 13 31-0121 EA Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF).....	62.17	7.21
28 46 13 31-0122 EA Detector Base With Isolator (EST3 SIGA-IB).....	101.91	12.03
28 46 13 31-0123 EA Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4).....	108.70	12.03
28 46 13 31-0124 EA Detector Base With Form 'C' Relay (EST3 SIGA-RB).....	67.62	12.03
28 46 13 31-0125 EA Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4).....	90.05	12.03
28 46 13 31-0126 EA Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4).....	38.30	12.03
<b>28 46 13 31-0127 Controllers, Signature</b> <small>(28 46 13 31-0057)</small>		
28 46 13 31-0128 EA Signature Dual Driver Controller (EST3 3-SDDC1).....	3,628.46	72.18
28 46 13 31-0129 EA Single Signature Loop Controller (EST3 3-SSDC1).....	2,064.36	72.18
28 46 13 31-0130 EA Signature Loop Controller (EST3 3-SDC1).....	1,850.87	72.18
28 46 13 31-0131 EA Analog Addressable Loop Controller (EST3 3-AADC1).....	2,988.54	72.18
<b>28 46 13 31-0132 Relays And Accessories</b> <small>(28 46 13 31-0057)</small>		
28 46 13 31-0133 EA Multi Voltage Relay (EST3 MR101).....	182.42	24.06
28 46 13 31-0134 EA Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T).....	51.89	12.03
<b>28 46 13 31-0135 Notification Appliances</b> <small>(28 46 13 31-0002)</small>		
<b>28 46 13 31-0136 Wall Strobes, Horns And Chimes</b> <small>(28 46 13 31-0135)</small>		
28 46 13 31-0137 EA Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM).....	140.02	36.08
28 46 13 31-0138 EA Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM).....	140.02	36.08
28 46 13 31-0139 EA Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM).....	162.11	36.08
28 46 13 31-0140 EA Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD).....	115.12	36.08
28 46 13 31-0141 EA Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD).....	115.12	36.08
28 46 13 31-0142 EA Temporal Horn, Hi/Lo dB Output, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-HD).....	115.12	36.08
28 46 13 31-0143 EA Temporal Horn, Hi/Lo dB Output, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD).....	115.12	36.08
28 46 13 31-0144 EA Horn (Steady Tone), 24 Volt DC, White, Not Compatible With Signal Master (EST3 G1-P).....	94.21	36.08
28 46 13 31-0145 EA Horn (Steady Tone) - 24 Volt DC, Red, Not Compatible With Signal Master (EST3 G1R-P).....	94.21	36.08
28 46 13 31-0146 EA Horn (Steady Tone), 24 Volt DC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P).....	94.21	36.08
28 46 13 31-0147 EA Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM).....	252.29	36.08
28 46 13 31-0148 EA Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM).....	252.29	36.08
28 46 13 31-0149 EA Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C).....	159.42	36.08
28 46 13 31-0150 EA Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C).....	159.42	36.08
28 46 13 31-0151 EA Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575).....	140.02	36.08
28 46 13 31-0152 EA Multi-cd Strobe, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-VM).....	140.02	36.08
28 46 13 31-0153 EA Multi-Candela Strobe, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM).....	140.02	36.08
28 46 13 31-0154 EA Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575).....	140.02	36.08
28 46 13 31-0155 EA Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM).....	146.23	36.08
28 46 13 31-0156 EA Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM).....	146.23	36.08
28 46 13 31-0157 EA Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH).....	160.76	36.08
28 46 13 31-0158 EA Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM).....	146.23	36.08
28 46 13 31-0159 EA Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH).....	146.23	36.08
28 46 13 31-0160 EA Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE).....	80.61	36.08
28 46 13 31-0161 EA Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE).....	80.61	36.08
<b>28 46 13 31-0162 Wall Speakers And Speaker Strobes</b> <small>(28 46 13 31-0135)</small>		
28 46 13 31-0163 EA Multi-Wattage 25 VRMS Speaker (EST3 G4-S2).....	113.25	36.08
28 46 13 31-0164 EA Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM).....	183.32	36.08
28 46 13 31-0165 EA Multi-Wattage 70 VRMS Speaker (EST3 G4-S7).....	113.25	36.08
28 46 13 31-0166 EA Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM).....	183.32	36.08
28 46 13 31-0167 EA Surface Box, White, For Genesis Speaker (EST3 G4B).....	55.58	19.24
28 46 13 31-0168 EA Surface Box, Red, For Genesis Speaker (EST3 G4RB).....	55.58	19.24
<b>28 46 13 31-0169 Ceiling Speakers And Speaker Strobes</b> <small>(28 46 13 31-0135)</small>		
28 46 13 31-0170 EA Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7).....	138.66	36.08
28 46 13 31-0171 EA Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM).....	183.32	36.08
28 46 13 31-0172 EA Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH).....	197.46	36.08
<b>28 46 13 31-0173 Harsh Environment Signals</b> <small>(28 46 13 31-0135)</small>		
28 46 13 31-0174 EA Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T).....	121.27	36.08
28 46 13 31-0175 EA 15/75 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T).....	177.04	36.08
28 46 13 31-0176 EA 110 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T).....	177.04	36.08
28 46 13 31-0177 EA 15 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-5A-T).....	160.46	36.08
28 46 13 31-0178 EA 15/75 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-7A-T).....	149.44	36.08
28 46 13 31-0179 EA 30 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-3A-T).....	160.46	36.08
28 46 13 31-0180 EA 60 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-6A-T).....	160.46	36.08
28 46 13 31-0181 EA 110 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-8A-T).....	160.46	36.08
28 46 13 31-0182 EA 15/75 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T).....	176.94	40.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0183 EA 110 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T).....	176.94	40.90
28 46 13 31-0184 EA 15 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T).....	128.00	36.08
28 46 13 31-0185 EA 30 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T).....	171.75	36.08
<b>28 46 13 31-0186 Fire Alarm Bells (28 46 13 31-0135)</b>		
28 46 13 31-0187 EA 10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW).....	192.52	36.08
28 46 13 31-0188 EA 6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW).....	150.86	36.08
28 46 13 31-0189 EA 10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW).....	168.64	36.08
<b>28 46 13 31-0190 Multiple Tone Signal (28 46 13 31-0135)</b>		
28 46 13 31-0191 EA 27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW).....	1,322.08	1,285.98
<b>28 46 13 31-0192 Multi-Purpose Loudspeaker (28 46 13 31-0135)</b>		
28 46 13 31-0193 EA 15 Watt Loudspeaker, Gray (EST3 HPSA15G2570).....	258.95	36.08
28 46 13 31-0194 EA 15 Watt Loudspeaker, Red (EST3 HPSA15R2570).....	258.95	36.08
<b>28 46 13 31-0195 Bell/Strobe Plate (28 46 13 31-0135)</b>		
28 46 13 31-0196 EA Bell/Strobe Plate - 15cd (EST3 403-5A-R).....	130.55	19.24
<b>28 46 13 31-0197 Mounting Accessories (28 46 13 31-0135)</b>		
28 46 13 31-0198 EA Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11).....	56.87	19.24
28 46 13 31-0199 EA One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY).....	56.87	19.24
28 46 13 31-0200 EA Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16).....	56.87	19.24
28 46 13 31-0201 EA Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21).....	56.87	19.24
28 46 13 31-0202 EA Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26).....	56.87	19.24
<b>28 46 13 31-0203 Firefighters' Telephones (28 46 13 31-0135)</b>		
28 46 13 31-0204 EA Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4).....	1,171.66	60.15
28 46 13 31-0205 EA Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4).....	645.99	60.15
28 46 13 31-0206 EA Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F).....	456.69	60.15
28 46 13 31-0207 EA Telephone Handset Assembly - Red c/w 60' Coiled Cord (EST3 6830-1).....	324.72	60.15
28 46 13 31-0208 EA Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4).....	622.43	60.15
28 46 13 31-0209 EA Three State Telephone Handset Assembly - Red, 60' Coiled Cord, Push To Talk Button (EST3 6830-5A).....	371.82	60.15
28 46 13 31-0210 EA Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4).....	705.86	60.15
28 46 13 31-0211 EA Three State Telephone Handset Assembly - Red, 60' Armored Cord, Push To Talk Button (EST3 6830-6A).....	387.52	60.15
28 46 13 31-0212 EA Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4).....	812.68	60.15
28 46 13 31-0213 EA Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1).....	82.55	19.24
28 46 13 31-0214 EA Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4).....	96.22	19.24
28 46 13 31-0215 EA Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3).....	145.58	
28 46 13 31-0216 EA Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061).....	145.58	
28 46 13 31-0217 EA Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1).....	212.12	24.06
28 46 13 31-0218 EA Frontplate - Flush Mount, Red Finish, Non Break Glass Type With Two Keys (EST3 6831-2).....	266.52	24.06
28 46 13 31-0219 EA Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3).....	184.92	24.06
28 46 13 31-0220 EA Frontplate - Surface Mount, Red Finish, Non Break Glass Type, With Two Keys (EST3 6831-4).....	176.93	24.06
28 46 13 31-0221 EA Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1).....	121.88	36.08
28 46 13 31-0222 EA Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6).....	1,216.27	48.12
<b>28 46 13 31-0223 Mass Notification EC Appliances (28 46 13 31-0135)</b>		
28 46 13 31-0224 EA G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA).....	146.28	36.08
28 46 13 31-0225 EA G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC).....	140.63	36.08
28 46 13 31-0226 EA G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA).....	146.28	36.08
28 46 13 31-0227 EA G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC).....	140.63	36.08
28 46 13 31-0228 EA G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT).....	21.19	7.21
<b>28 46 13 31-0229 Hazardous Location Devices (28 46 13 31-0002)</b>		
<b>28 46 13 31-0230 Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location (28 46 13 31-0229)</b>		
28 46 13 31-0231 EA Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135).....	120.33	36.08
28 46 13 31-0232 EA Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194).....	120.33	36.08
28 46 13 31-0233 EA Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135).....	125.52	36.08
28 46 13 31-0234 EA Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194).....	125.52	36.08
28 46 13 31-0235 EA Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135).....	173.48	36.08
28 46 13 31-0236 EA Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194).....	173.48	36.08
28 46 13 31-0237 EA Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135).....	125.52	36.08

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0238 EA Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194).....	125.52	36.08
<b>28 46 13 31-0239 Hazardous Locations Fire Alarm Station (28 46 13 31-0229)</b>		
28 46 13 31-0240 EA Hazardous Location Fire Alarm Station (EST3 XAL53) .....	1,242.93	60.15
28 46 13 31-0241 EA Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPGR1-D45WX-GE) .....	1,181.94	60.15
<b>28 46 13 31-0242 Hazardous Location Strobes (28 46 13 31-0229)</b>		
28 46 13 31-0243 EA Explosion Proof Strobe (EST3 116DEXSTC-FJ) .....	1,872.04	36.08
28 46 13 31-0244 EA Wall Bracket Mounting Elbow (EST3 116EX-B).....	346.94	12.03
28 46 13 31-0245 EA Ceiling / Wall Mounting Module (EST3 116EX-C).....	454.49	14.44
28 46 13 31-0246 EA Pendant Mounting Module (EST3 116EX-P) .....	331.73	14.44
<b>28 46 13 31-0247 Hazardous Location Bells (28 46 13 31-0229)</b>		
28 46 13 31-0248 EA 6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW) .....	1,346.26	36.08
28 46 13 31-0249 EA 8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW) .....	1,381.56	36.08
28 46 13 31-0250 EA 10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW) .....	1,394.28	36.08
<b>28 46 13 31-0251 Hazardous Location Horns (28 46 13 31-0229)</b>		
28 46 13 31-0252 EA Hazardous Location Horns (EST3 888D-N5).....	1,315.83	36.08
28 46 13 31-0253 EA Explosion Proof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW).....	1,071.49	36.08
<b>28 46 13 31-0254 Door Holders And Relays (28 46 13 31-0002)</b>		
<b>28 46 13 31-0255 Electromagnetic Door Holders (28 46 13 31-0254)</b>		
28 46 13 31-0256 EA 24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Single, Floor Mount (EST3 1501-AQN5).....	221.61	36.08
28 46 13 31-0257 EA 24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Double, Floor Mount (EST3 1502-AQN5).....	292.48	36.08
28 46 13 31-0258 EA 24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount (EST3 1504-AQN5) .....	185.42	36.08
28 46 13 31-0259 EA 24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount, Short Catch Plate (EST3 1505-AQN5) .....	185.42	36.08
28 46 13 31-0260 EA 24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Surface, Wall Mount (EST3 1508-AQN5).....	188.70	36.08
28 46 13 31-0261 EA 24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Completely Flush, Wall Mount (EST3 1509-AQN5).....	191.82	36.08
<b>28 46 13 31-0262 Control Relays, Multi-Voltage (28 46 13 31-0254)</b>		
28 46 13 31-0263 EA Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1).....	44.85	7.21
<b>28 46 13 31-0264 FireShield Plus (28 46 13 31-0002)</b>		
<b>28 46 13 31-0265 3 Zone System (28 46 13 31-0264)</b>		
28 46 13 31-0266 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R) .....	1,156.31	288.72
28 46 13 31-0267 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD) .....	1,701.75	384.95
28 46 13 31-0268 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G) .....	1,156.31	288.72
28 46 13 31-0269 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD).....	1,701.75	384.95
28 46 13 31-0270 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	85.12	12.03
28 46 13 31-0271 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	85.12	12.03
<b>28 46 13 31-0272 5 Zone System (28 46 13 31-0264)</b>		
28 46 13 31-0273 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R) .....	1,255.14	288.72
28 46 13 31-0274 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD) .....	1,794.93	384.95
28 46 13 31-0275 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G) .....	1,255.14	288.72
28 46 13 31-0276 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD).....	1,794.93	384.95
28 46 13 31-0277 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	85.12	12.03
28 46 13 31-0278 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	85.12	12.03
<b>28 46 13 31-0279 10 Zone System (28 46 13 31-0264)</b>		
28 46 13 31-0280 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R) .....	1,828.82	384.95
28 46 13 31-0281 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD) .....	2,374.27	481.20





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0282 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G).....	1,786.46	384.95
28 46 13 31-0283 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD).....	2,374.27	481.20
28 46 13 31-0284 EA Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G).....	100.41	12.03
28 46 13 31-0285 EA NAC Power Expansion Transformer, 120 Volt AC, Increases 10 Zone FACP NAC (EST3 F-XTR120).....	182.58	24.06
<b>28 46 13 31-0286 FireShield Plus Off Premise Communication Options (28 46 13 31-0264)</b>		
28 46 13 31-0287 EA F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT).....	415.21	24.06
<b>28 46 13 31-0288 FireShield Plus Remote LED Annunciators (28 46 13 31-0264)</b>		
28 46 13 31-0289 EA Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI).....	163.80	36.08
28 46 13 31-0290 EA Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A).....	163.80	36.08
28 46 13 31-0291 EA Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA).....	171.01	36.08
28 46 13 31-0292 EA Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2).....	32.81	7.21
28 46 13 31-0293 EA Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3).....	42.02	7.21
28 46 13 31-0294 EA Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4).....	64.16	7.21
<b>28 46 13 31-0295 FireShield Plus Remote 10 Zone LED Annunciators (28 46 13 31-0264)</b>		
28 46 13 31-0296 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10).....	552.22	36.08
28 46 13 31-0297 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C).....	608.69	36.08
28 46 13 31-0298 EA Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1).....	189.31	24.06
<b>28 46 13 31-0299 FireShield Plus Remote Relays And Interfaces (28 46 13 31-0264)</b>		
28 46 13 31-0300 EA Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24).....	200.83	24.06
28 46 13 31-0301 EA 11" Snap Track Holds 2-4 RRM's, Used To Mount FSRRM's In MFC-A Or Other Listed Enclosure, MFC-A Will Support Two FSRRM-11S (EST3 FSRRM-S11).....	80.89	14.44
28 46 13 31-0302 EA Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM).....	327.67	24.06
<b>28 46 13 31-0303 FireShield Plus Accessories (28 46 13 31-0264)</b>		
28 46 13 31-0304 EA Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1).....	18.01	
28 46 13 31-0305 EA 4.7k UL End Of Line Resistor With FireShield Panels (EST3 EOL47PK7).....	10.28	
<b>28 46 13 31-0306 iO Series Fire Control Panels (28 46 13 31-0002)</b>		
<b>28 46 13 31-0307 Intelligent Analog Control Panels (28 46 13 31-0306)</b>		
28 46 13 31-0308 EA FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G).....	3,415.72	481.20
28 46 13 31-0309 EA FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD).....	3,689.62	481.20
28 46 13 31-0310 EA FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, English (EST3 iO64G).....	2,725.81	384.95
28 46 13 31-0311 EA FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD).....	2,852.87	384.95
<b>28 46 13 31-0312 Option Modules And Accessories For iO Series (28 46 13 31-0306)</b>		
28 46 13 31-0313 EA 16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1).....	354.56	36.08
28 46 13 31-0314 EA 16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2).....	213.37	36.08
28 46 13 31-0315 EA Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232).....	213.37	36.08
28 46 13 31-0316 EA Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA).....	189.31	24.06
28 46 13 31-0317 EA Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT).....	405.59	19.24
28 46 13 31-0318 EA Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH).....	744.44	19.24
28 46 13 31-0319 EA Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1).....	83.36	12.03
28 46 13 31-0320 EA Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2).....	97.48	12.03
28 46 13 31-0321 EA Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250).....	1,366.93	48.12
<b>28 46 13 31-0322 Remote Annunciators For iO Series (28 46 13 31-0306)</b>		
28 46 13 31-0323 EA Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD).....	742.81	36.08

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0324 EA Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C) .....	778.12	36.08
<b>28 46 13 31-0325 Remote Annunciator Accessories</b> <small>(28 46 13 31-0306)</small>		
28 46 13 31-0326 EA 24 Expander Cable Assembly, With Cable And Hardware (EST3 730073) .....	80.54	12.03
28 46 13 31-0327 EA 12 Expander Cable (Cable Only) (EST3 7120313-01) .....	52.30	12.03
28 46 13 31-0328 EA 24 Expander Cable (Cable Only) (EST3 7120313-02) .....	73.46	12.03
28 46 13 31-0329 EA Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1) .....	213.37	36.08
28 46 13 31-0330 EA Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2) .....	248.65	36.08
28 46 13 31-0331 EA Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3) .....	283.96	36.08
28 46 13 31-0332 EA Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC) .....	52.30	12.03
28 46 13 31-0333 EA Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC) .....	52.30	12.03
28 46 13 31-0334 EA Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY) .....	113.99	12.03
<b>28 46 13 31-0335 System Accessories</b> <small>(28 46 13 31-0306)</small>		
28 46 13 31-0336 EA Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 Volt DC, 24 Ampere Batteries (EST3 BC-1) .....	401.48	48.12
28 46 13 31-0337 EA Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A) .....	1,733.37	384.95
<b>28 46 13 31-0338 Conventional Initiating Devices</b> <small>(28 46 13 31-0002)</small>		
<b>28 46 13 31-0339 Detectors, Heat, Double Pole</b> <small>(28 46 13 31-0338)</small>		
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0340 EA Heat Detector, 135 Degree F Fixed Temperature (CF135-2) .....	148.26	36.08
28 46 13 31-0341 EA Heat Detector, 200 Degree F Fixed Temperature (CF200-2) .....	148.26	36.08
28 46 13 31-0342 EA Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2) .....	148.26	36.08
28 46 13 31-0343 EA Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2) .....	148.26	36.08
<b>28 46 13 31-0344 Detectors, Rate Compensation Heat, Accessories</b> <small>(28 46 13 31-0338)</small>		
28 46 13 31-0345 EA Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P) .....	82.90	36.08
28 46 13 31-0346 EA Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11) .....	269.30	19.24
28 46 13 31-0347 EA 4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27) .....	75.63	24.06
<b>28 46 13 31-0348 Detectors, Heat, Fire-Lite</b> <small>(28 46 13 31-0338)</small>		
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0349 EA Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135) .....	137.40	36.08
28 46 13 31-0350 EA Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194) .....	137.40	36.08
<b>28 46 13 31-0351 Audio Notification Systems (Standalone Voice Evacuation)</b> <small>(28 46 13 31-0002)</small>		
<b>28 46 13 31-0352 Audio Notification Panels</b> <small>(28 46 13 31-0351)</small>		
28 46 13 31-0353 EA Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG) .....	5,155.66	481.20
28 46 13 31-0354 EA Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR) .....	5,155.66	481.20
28 46 13 31-0355 EA Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG) .....	3,786.14	481.20
28 46 13 31-0356 EA Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR) .....	3,786.14	481.20
28 46 13 31-0357 EA Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG) .....	4,463.84	481.20
28 46 13 31-0358 EA Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR) .....	4,463.84	481.20
<b>28 46 13 31-0359 Audio Notification Expander Panels</b> <small>(28 46 13 31-0351)</small>		
28 46 13 31-0360 EA Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG) .....	3,899.09	481.20
28 46 13 31-0361 EA Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR) .....	3,899.09	481.20
28 46 13 31-0362 EA Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG) .....	2,571.93	481.20
28 46 13 31-0363 EA Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR) .....	2,571.93	481.20
28 46 13 31-0364 EA Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG) .....	3,348.46	481.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0365 EA Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR).....	3,348.46	481.20
<b>28 46 13 31-0366 Audio Notification Output Accessories (28 46 13 31-0351)</b>		
28 46 13 31-0367 EA Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B) .....	151.13	12.03
28 46 13 31-0368 EA Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A) .....	683.46	24.06
28 46 13 31-0369 EA Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B) .....	683.46	24.06
28 46 13 31-0370 EA Class A Converter (GE ANSZSC4A) .....	485.80	24.06
<b>28 46 13 31-0371 Audio Notification Remote Microphone (28 46 13 31-0351)</b>		
28 46 13 31-0372 EA Microphone (GE ANSMIKE) .....	175.19	24.06
28 46 13 31-0373 EA Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG).....	754.06	24.06
28 46 13 31-0374 EA Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR).....	754.06	24.06
28 46 13 31-0375 EA Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP).....	165.25	12.03
28 46 13 31-0376 EA Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR) .....	87.58	12.03
<b>28 46 13 31-0377 Audio Notification Accessories (28 46 13 31-0351)</b>		
28 46 13 31-0378 EA Audio Matching - Line Input/Output Card (GE ANSAUX) .....	302.26	24.06
28 46 13 31-0379 EA Class B Backup Amplifier Switching Module (GE ANSBKUP) .....	302.26	24.06
28 46 13 31-0380 EA Class A Backup Amplifier Switching Module (GE ANSBKUPA).....	302.26	24.06
28 46 13 31-0381 EA Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANRSI8) .....	683.46	24.06
<b>28 46 13 31-0382 Audio Notification Modules, Without Cabinet And Transformer (28 46 13 31-0351)</b>		
28 46 13 31-0383 EA 100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A) .....	2,510.55	48.12
Note: Excludes cabinet.		
28 46 13 31-0384 EA 100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM).....	2,637.62	48.12
Note: Excludes cabinet.		
28 46 13 31-0385 EA 100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD) .....	3,654.16	48.12
Note: Excludes cabinet.		
28 46 13 31-0386 EA 25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A).....	1,366.93	48.12
Note: Excludes cabinet.		
28 46 13 31-0387 EA 25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM) .....	1,366.93	48.12
Note: Excludes cabinet.		
28 46 13 31-0388 EA 25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD).....	2,510.55	48.12
28 46 13 31-0389 EA 50W Expander Module (No Microphone Or DMR) (GE ANS50A) .....	2,002.27	48.12
Note: Excludes cabinet.		
28 46 13 31-0390 EA 50W Expander Module With Microphone (No DMR) (GE ANS50AM) .....	2,129.34	48.12
Note: Excludes cabinet.		
28 46 13 31-0391 EA 50W Audio Notification Module With DMR And Microphone (GE ANS50AMD).....	3,145.89	48.12
Note: Excludes cabinet.		
28 46 13 31-0392 EA Power Transformer, Open Frame, 28 Volt AC At 180 VA (EVAX 50/100) (GE ANST28180).....	151.13	12.03
28 46 13 31-0393 EA Power Transformer, Open Frame, 28 Volt AC At 100 VA (EVAX 25) (GE ANST2885).....	110.24	12.03
<b>28 46 13 31-0394 Simplex Fire Alarm (28 46 13 31)</b>		
<b>28 46 13 31-0395 4100 Fire Alarm Control Panel (28 46 13 31-0394)</b>		
28 46 13 31-0396 EA 4100U Master Controller Assembly With LCD And Operator Interface, 9 Amperes System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111) .....	6,201.29	480.20
28 46 13 31-0397 EA 4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amperes System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt AC Input (Simplex 4100-9141) .....	6,814.46	480.20
28 46 13 31-0398 EA 4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142) .....	10,025.94	480.20
28 46 13 31-0399 EA Up To 127 Points, IDNet Module, (Simplex 4100-3104) .....	3,791.66	480.20
Note: Add-on module.		
28 46 13 31-0400 EA Up To 64 Points, IDNet Module, (Simplex 4100-3105).....	2,856.54	480.20
Note: Add-on module.		
28 46 13 31-0401 EA Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101) .....	2,075.19	120.05
Note: Add-on module.		
28 46 13 31-0402 EA Alarm Relay, 3 Form C Relays, 2 Amperes At 32 Volt DC, For SPS Or RPS (Simplex 4100-6033).....	434.69	24.01
Note: Add-on module.		
28 46 13 31-0403 EA Dual Port RS-232 Interface Card (Simplex 4100-6038).....	1,271.43	24.01
Note: Add-on module.		
<b>28 46 13 31-0404 4100U Backbox (28 46 13 31-0394)</b>		

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0405 EA 2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425).....	2,176.13	96.04
Note: 24" x 40" beige backbox.		
28 46 13 31-0406 EA 3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443).....	3,085.88	96.04
Note: 24" x 56" beige backbox.		
<b>28 46 13 31-0407 DACT (Digital Alarm Communicator Transmitter) (28 46 13 31-0394)</b>		
28 46 13 31-0408 EA 6 Zone Fire Control Communicator (Silent Knight SK-5104) .....	1,193.93	48.02
<b>28 46 13 31-0409 4010 Fire Alarm Control Panel (28 46 13 31-0394)</b>		
28 46 13 31-0410 EA 120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101) .....	5,825.44	480.20
28 46 13 31-0411 EA 240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201).....	5,639.03	480.20
28 46 13 31-0412 EA Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806).....	217.34	24.01
28 46 13 31-0413 EA Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811) .....	987.53	24.01
28 46 13 31-0414 EA Single RS-232 Interface Module With Service Modern Connection Expansion Slot Option (Simplex 4010-9812).....	1,362.67	24.01
28 46 13 31-0415 EA 120 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9813) .....	693.74	24.01
28 46 13 31-0416 EA 240 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9823) .....	751.81	24.01
28 46 13 31-0417 EA Battery Meter Module Expansion Module (Simplex 4010-9820) .....	273.77	24.01
<b>28 46 13 31-0418 Printer (28 46 13 31-0394)</b>		
28 46 13 31-0419 EA 24 Pin Dot Matrix Printer (Simplex 4190-9013).....	2,202.66	24.01
<b>28 46 13 31-0420 NAC Panel / Power Booster (28 46 13 31-0394)</b>		
28 46 13 31-0421 EA 120 Volt AC, IDNet NAC Extender With 4, Class B (Style Y) NACs And 8 Amperes Power Supply (Simplex 4009- 9201) .....	1,366.74	120.05
Note: Power supply for horns and strobes.		
<b>28 46 13 31-0422 Battery (28 46 13 31-0394)</b>		
28 46 13 31-0423 EA 50 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9296) .....	882.84	24.01
Note: Two required for 24 volt DC.		
28 46 13 31-0424 EA 33 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9276) .....	582.00	24.01
Note: Two required for 24 volt DC.		
28 46 13 31-0425 EA 6.2 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9272) .....	200.95	24.01
Note: Two required for 24 volt DC.		
<b>28 46 13 31-0426 Interface Modules (28 46 13 31-0394)</b>		
28 46 13 31-0427 EA Supervised Individual Addressable Modules (Simplex 4090-9001) .....	159.61	24.01
Note: Monitor modules for waterflow / tamper, etc.		
28 46 13 31-0428 EA Relay Individual Addressable Modules (Simplex 4090-9002) .....	345.30	24.01
Note: Control modules for gas shutdown, door holders, etc.		
28 46 13 31-0429 EA Relay SPDT With LED MR-801/T (Simplex 2088-9032) .....	72.12	24.01
Note: Interface relay for 120VAC		
28 46 13 31-0430 EA SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815).....	161.65	24.01
28 46 13 31-0431 EA Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817).....	71.18	12.00
28 46 13 31-0432 EA Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818) .....	67.26	12.00
<b>28 46 13 31-0433 Pull Stations (28 46 13 31-0394)</b>		
28 46 13 31-0434 EA Addressable Single Action Manual Pull Station (Simplex 4099-9001) .....	199.44	24.01
28 46 13 31-0435 EA N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101).....	138.46	24.01
28 46 13 31-0436 EA N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102) .....	150.24	24.01
28 46 13 31-0437 EA Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103) .....	133.15	24.01
28 46 13 31-0438 EA N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099- 9104) .....	158.12	24.01
28 46 13 31-0439 EA N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099- 9105) .....	247.84	24.01
28 46 13 31-0440 EA Single Action, Pre-Signal, N.O. Contacts, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099- 9107) .....	205.29	24.01
28 46 13 31-0441 EA Break-Glass, Pre-Signal, N.O. Contacts, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108) .....	244.61	24.01
28 46 13 31-0442 EA Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754) .....	105.69	24.01
28 46 13 31-0443 EA Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755) .....	112.89	24.01
28 46 13 31-0444 EA Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756).....	136.06	24.01
28 46 13 31-0445 EA N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758).....	220.28	24.01
28 46 13 31-0446 EA Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759) .....	392.52	24.01
28 46 13 31-0447 EA Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762).....	118.80	24.01
28 46 13 31-0448 EA Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178) .....	75.13	12.00
<b>28 46 13 31-0449 Weatherproof Pull Stations (28 46 13 31-0394)</b>		
28 46 13 31-0450 EA Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138) .....	191.33	28.81
28 46 13 31-0451 EA Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211) .....	127.37	12.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>28 46 13 31-0452</b> Heat / Smoke Sensor <small>(28 46 13 31-0394)</small>		
28 46 13 31-0453 EA 32 To 122 Degree F Heat Sensor (Simplex 4098-9733).....	187.86	36.01
28 46 13 31-0454 EA Photoelectric Smoke Sensor (Simplex 4098-9714).....	284.37	36.01
28 46 13 31-0455 EA Sensor Base With Relay Driver (Simplex 4098-9791).....	592.10	12.00
28 46 13 31-0456 EA Standard Sensor Base (Simplex 4098-9792).....	297.05	12.00
28 46 13 31-0457 EA Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737).....	160.33	24.01
Note: Relay for 4098-9791		
<b>28 46 13 31-0458</b> Explosion Proof Heat Detector <small>(28 46 13 31-0394)</small>		
28 46 13 31-0459 EA 135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488).....	200.20	36.01
28 46 13 31-0460 EA Explosion Proof Backbox (Killark JLX-21).....	138.06	12.00
28 46 13 31-0461 EA Explosion Proof Backbox Plugs (Killark CUP-2).....	11.77	2.40
<b>28 46 13 31-0462</b> Weatherproof Heat Detector <small>(28 46 13 31-0394)</small>		
28 46 13 31-0463 EA 194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490).....	138.18	36.01
<b>28 46 13 31-0464</b> 200 Degree F Heat Detector <small>(28 46 13 31-0394)</small>		
28 46 13 31-0465 EA 194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604).....	110.46	36.01
Note: Used in kiln rooms and kitchens.		
<b>28 46 13 31-0466</b> Duct Smoke Sensor <small>(28 46 13 31-0394)</small>		
28 46 13 31-0467 EA Duct Sensor Housing (Simplex 4098-9755).....	472.57	19.20
28 46 13 31-0468 EA Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756).....	626.06	43.22
Note: Relay output for AHU shutdown.		
28 46 13 31-0469 EA 46" To 71" Duct Sampling Tube (Simplex 2098-9798).....	65.02	12.00
Note: 25", 49", 73" or 97" sampling tube length.		
28 46 13 31-0470 EA Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806).....	149.88	36.01
<b>28 46 13 31-0471</b> Interior Horn <small>(28 46 13 31-0394)</small>		
28 46 13 31-0472 EA Red With White FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850).....	136.98	36.01
28 46 13 31-0473 EA White With Red FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853).....	136.98	36.01
<b>28 46 13 31-0474</b> Interior Horn Strobe <small>(28 46 13 31-0394)</small>		
28 46 13 31-0475 EA 75Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9426).....	198.32	36.01
28 46 13 31-0476 EA 110Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9427).....	198.32	36.01
28 46 13 31-0477 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127).....	184.32	36.01
28 46 13 31-0478 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128).....	184.32	36.01
28 46 13 31-0479 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129).....	184.32	36.01
28 46 13 31-0480 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130).....	184.32	36.01
28 46 13 31-0481 EA Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131).....	189.01	36.01
28 46 13 31-0482 EA Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132).....	189.01	36.01
28 46 13 31-0483 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139).....	197.26	36.01
28 46 13 31-0484 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140).....	193.46	36.01
28 46 13 31-0485 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141).....	197.26	36.01
28 46 13 31-0486 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142).....	193.46	36.01
28 46 13 31-0487 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227).....	184.32	36.01
28 46 13 31-0488 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228).....	184.32	36.01
28 46 13 31-0489 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229).....	184.32	36.01
28 46 13 31-0490 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230).....	184.32	36.01
<b>28 46 13 31-0491</b> Interior Strobe <small>(28 46 13 31-0394)</small>		
28 46 13 31-0492 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101).....	154.59	36.01
28 46 13 31-0493 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102).....	154.59	36.01
28 46 13 31-0494 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103).....	154.53	36.01

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0495 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104).....	154.59	36.01
28 46 13 31-0496 EA Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105).....	172.37	36.01
28 46 13 31-0497 EA Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106).....	172.37	36.01
28 46 13 31-0498 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109).....	173.51	36.01
28 46 13 31-0499 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110).....	176.61	36.01
28 46 13 31-0500 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111).....	176.61	36.01
28 46 13 31-0501 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112).....	176.61	36.01
28 46 13 31-0502 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201).....	154.59	36.01
28 46 13 31-0503 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202).....	154.59	36.01
28 46 13 31-0504 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203).....	154.59	36.01
28 46 13 31-0505 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204).....	154.59	36.01
<b>28 46 13 31-0506 Interior Speakers</b> <small>(28 46 13 31-0394)</small>		
28 46 13 31-0507 EA Red With White FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716).....	121.93	36.01
28 46 13 31-0508 EA White With Red FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717).....	121.93	36.01
28 46 13 31-0509 EA Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721).....	121.93	36.01
<b>28 46 13 31-0510 Interior Speaker Strobe</b> <small>(28 46 13 31-0394)</small>		
28 46 13 31-0511 EA Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151).....	212.17	36.01
28 46 13 31-0512 EA White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153).....	212.17	36.01
<b>28 46 13 31-0513 Surge Suppressors</b> <small>(28 46 13 31-0394)</small>		
28 46 13 31-0514 EA Overvoltage Suppressor (Simplex 2081-9044).....	146.77	7.20
28 46 13 31-0515 EA Isolated Loop Circuit Protector (Simplex 2081-9028).....	92.30	7.20
28 46 13 31-0516 EA 120 Volt AC, 20 Amperes, Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A).....	319.37	7.20
28 46 13 31-0517 EA 24 Volt AC, Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B).....	106.34	7.20
28 46 13 31-0518 EA Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB).....	159.55	12.00
28 46 13 31-0519 EA 120 Volt AC, 22,500 Amperes, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW).....	109.12	7.20
28 46 13 31-0520 EA <105 Volt AC, 9,000 Amperes, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP).....	81.05	7.20
<b>28 46 13 31-0521 Boxes And Adapters</b> <small>(28 46 13 31-0394)</small>		
28 46 13 31-0522 EA Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921).....	67.26	12.00
28 46 13 31-0523 EA Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925).....	63.33	12.00
28 46 13 31-0524 EA Red, Surface Mount Adapter Skirt (Simplex 4905-9937).....	55.62	12.00
28 46 13 31-0525 EA White, Surface Mount Adapter Skirt (Simplex 4905-9940).....	44.68	12.00
<b>28 46 13 31-0526 Accessories</b> <small>(28 46 13 31-0394)</small>		
28 46 13 31-0527 EA End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008).....	28.58	12.00
<b>28 46 13 31-0528 Siemens Fire Alarm</b> <small>(28 46 13 31)</small>		
<b>28 46 13 31-0529 Conventional Control Panels</b> <small>(28 46 13 31-0528)</small>		
<b>28 46 13 31-0530 SXL Batteries And Power Supplies</b> <small>(28 46 13 31-0529)</small>		
28 46 13 31-0531 EA 6 Amperes Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3).....	1,248.13	48.02
28 46 13 31-0532 EA Main Board Only For PAD-3 (Siemens PAD-3-MB).....	999.64	48.02
<b>28 46 13 31-0533 Digital Fire Communicators</b> <small>(28 46 13 31-0529)</small>		
28 46 13 31-0534 EA Four Channel Digital Slave Fire Communicator (Siemens 5129).....	966.88	48.02
<b>28 46 13 31-0535 Addressable Control Panels</b> <small>(28 46 13 31-0528)</small>		
<b>28 46 13 31-0536 Fireseeker Equipment</b> <small>(28 46 13 31-0535)</small>		
<b>28 46 13 31-0537 FS-250 System Panels</b> <small>(28 46 13 31-0536)</small>		
28 46 13 31-0538 EA FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT).....	2,785.68	480.20
Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0539 EA FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT).....	3,544.71	480.20
Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 13 31-0540 EA FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT).....	2,055.95	384.16
Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 13 31-0541 EA Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON).....	2,790.20	480.20
<b>28 46 13 31-0542 FS-250 Optional Modules</b> <small>(28 46 13 31-0536)</small>		
28 46 13 31-0543 EA Main Board Module (Siemens FS-MB2).....	1,257.17	48.02
28 46 13 31-0544 EA Display Board Module (Siemens FS-DB2).....	987.76	24.01
28 46 13 31-0545 EA Device Loop Card (Siemens FS-DLC).....	807.04	24.01
28 46 13 31-0546 EA Releasing Module (Siemens FS-REL).....	350.73	24.01
28 46 13 31-0547 EA Remote LCD Annunciator (Siemens FS-RD2).....	801.40	24.01
28 46 13 31-0548 EA Relay Processor Card (Siemens FS-RU2).....	694.09	24.01
28 46 13 31-0549 EA Relay Expander Board (Siemens FS-RE8).....	590.18	24.01
28 46 13 31-0550 EA Serial Annunciator Processor Card (Siemens FS-SAU2).....	801.40	24.01
28 46 13 31-0551 EA 16 Output Annunciator Extender (Siemens FS-SAE16).....	621.81	24.01
28 46 13 31-0552 EA Digital Alarm Communication Transmitter (Siemens FS-DACT).....	564.20	24.01
28 46 13 31-0553 EA Municipal Tie Module (Siemens FS-MT).....	477.23	24.01
28 46 13 31-0554 EA Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2).....	420.21	
28 46 13 31-0555 EA Programming Cable Kit (Siemens CBL-UD).....	110.98	12.00
28 46 13 31-0556 EA Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE).....	198.24	24.01
28 46 13 31-0557 EA Releasing Power Transformer (Siemens FS-RPT-A).....	201.63	24.01
28 46 13 31-0558 EA Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB).....	232.69	19.20
28 46 13 31-0559 EA Cabinet Trim Kit (Siemens RD-CAB-TK).....	389.97	12.00
<b>28 46 13 31-0560 Firefinder Systems</b> <small>(28 46 13 31-0535)</small>		
<b>28 46 13 31-0561 XLS Basic Fire System Packages Without Backbox</b> <small>(28 46 13 31-0560)</small>		
28 46 13 31-0562 EA 500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP).....	10,226.03	480.20
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 13 31-0563 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP).....	8,936.14	480.20
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 13 31-0564 EA 250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP).....	8,936.14	480.20
Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 13 31-0565 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD).....	15,347.19	480.20
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.		
28 46 13 31-0566 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD).....	15,882.57	480.20
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.		
28 46 13 31-0567 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP).....	8,806.25	480.20
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 13 31-0568 EA 250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP).....	8,806.25	480.20
Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 13 31-0569 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP).....	10,315.26	480.20
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
<b>28 46 13 31-0570 Firefinder - XLS Basic System Equipment</b> <small>(28 46 13 31-0560)</small>		
28 46 13 31-0571 EA Person Machine Interface With Central Processor (Siemens PMI).....	4,725.03	480.20
Note: Includes inner door.		
28 46 13 31-0572 EA Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC).....	8,058.19	480.20
Note: Includes inner door.		
28 46 13 31-0573 EA Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT).....	4,725.03	480.20
Note: Includes inner door.		
28 46 13 31-0574 EA Two Slot Card Cage (Siemens CC-2).....	608.25	24.01
28 46 13 31-0575 EA Five Slot Card Cage (Siemens CC-5).....	1,038.59	24.01
28 46 13 31-0576 EA Four Circuit Zone Indicating Card (Siemens ZIC-4A).....	1,490.39	24.01

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0577 EA Eight Circuit Zone Indicating Card (Siemens ZIC-8B).....	1,557.03	24.01
28 46 13 31-0578 EA Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C).....	481.75	24.01
28 46 13 31-0579 EA Device Loop Card (Siemens DLC).....	1,769.38	24.01
Note: Interfaces with up to 252 detectors and devices.		
28 46 13 31-0580 EA Controllable Relay Card (Siemens CRC-6).....	995.67	24.01
Note: Provides six programmable relays.		
28 46 13 31-0581 EA 12 Amperes Power Supply Charger Module (Siemens PSC-12).....	3,812.64	24.01
28 46 13 31-0582 EA Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI).....	6,231.79	480.20
Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.		
28 46 13 31-0583 EA Network Interface Card (Siemens NIC-C).....	1,167.35	24.01
Note: Provides HNET Or XNET communication between enclosures.		
28 46 13 31-0584 EA 12 Amperes Power Supply Extender (Siemens PSX-12).....	3,168.83	24.01
Note: Extends PSC-12 with an additional 24 volt DC.		
28 46 13 31-0585 EA Power Termination Board (Siemens PTB).....	522.41	24.01
Note: Used with systems requiring more than one PSX-12.		
28 46 13 31-0586 EA Conventional Detector Card (Siemens CDC-4).....	1,124.43	24.01
28 46 13 31-0587 EA Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS).....	2,216.66	24.01
28 46 13 31-0588 EA Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS).....	8,008.74	24.01
<b>28 46 13 31-0589 Remote Lobby Enclosure</b> (28 46 13 31-0560)		
28 46 13 31-0590 EA 14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2).....	1,419.86	96.04
Note: Flush mounted. Includes clear lens plate on cover.		
28 46 13 31-0591 EA 24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4).....	1,849.07	96.04
Note: Flush mounted. Includes clear lens plate on cover.		
28 46 13 31-0592 EA Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP).....	220.83	24.01
Note: Required to mount up to four SIM-16 or OCM-16 modules.		
28 46 13 31-0593 EA Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP).....	242.29	24.01
Note: Required to mount up to eight SIM-16 or OCM-16 modules.		
<b>28 46 13 31-0594 Battery Enclosures</b> (28 46 13 31-0560)		
28 46 13 31-0595 EA Enclosure For 100 Ampere Hours Batteries (Siemens CAB-BATT).....	859.62	96.04
<b>28 46 13 31-0596 Graphic Annunciator Output Drivers And Inputs</b> (28 46 13 31-0560)		
28 46 13 31-0597 EA Output Control Module (Siemens OCM-16).....	715.55	24.01
28 46 13 31-0598 EA Supervised Input Module (Siemens SIM-16).....	715.55	24.01
<b>28 46 13 31-0599 Remote LCD Displays</b> (28 46 13 31-0560)		
28 46 13 31-0600 EA Remote LED/LCD System Status Display (Siemens SSD).....	1,649.68	72.03
Note: No control or menu capability.		
28 46 13 31-0601 EA Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C).....	1,865.42	72.03
<b>28 46 13 31-0602 Voice Equipment</b> (28 46 13 31-0560)		
28 46 13 31-0603 EA 40 Watts Zone Amplifier Card (Siemens ZAC-40).....	1,665.46	24.01
28 46 13 31-0604 EA 180 Watts Zone Amplifier Module (Siemens ZAM-180).....	3,706.47	24.01
28 46 13 31-0605 EA Live Voice Module (Siemens LVM).....	1,553.64	24.01
Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.		
<b>28 46 13 31-0606 MXL Series Equipment</b> (28 46 13 31-0535)		
<b>28 46 13 31-0607 MXL Optional Equipment</b> (28 46 13 31-0606)		
28 46 13 31-0608 EA Two Circuit Analog Loop Driver (Siemens ALD-2I).....	1,781.25	48.02
28 46 13 31-0609 EA CXL/MXL Interface Module (Siemens CMI-300).....	4,656.38	24.01
28 46 13 31-0610 EA Four Relay Programmable Relay Module (Siemens CRM-4).....	788.97	24.01
28 46 13 31-0611 EA Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4).....	955.01	24.01
28 46 13 31-0612 EA Remote Conventional Zone Module (Siemens CZM-1B6).....	351.86	24.01
28 46 13 31-0613 EA Short Circuit Line Isolator Module (Siemens Model LIM-1).....	212.93	24.01
28 46 13 31-0614 EA Four Circuit Conventional Zone Module (Siemens CZM-4).....	929.03	24.01
28 46 13 31-0615 EA 12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD).....	320.52	36.01
28 46 13 31-0616 EA Lexan Window For RCC (Siemens GENBOX-WD).....	220.27	19.20
28 46 13 31-0617 EA Input Driver Module (Siemens MID-16).....	604.86	24.01
28 46 13 31-0618 EA Programmable Output Driver Module (Siemens MOD-16).....	604.86	24.01
28 46 13 31-0619 EA MXL Output/Input Module (Siemens MOI-7).....	975.34	24.01
28 46 13 31-0620 EA Two Slot Network Option Module Card Cage (Siemens MOM-2).....	513.37	24.01
28 46 13 31-0621 EA Four Slot Network Option Module Card Cage (Siemens MOM-4).....	814.95	24.01
28 46 13 31-0622 EA 12 Amperes, 220 Volt AC, Power Supply For MXL (Siemens MPS-12/220).....	1,997.57	72.03
28 46 13 31-0623 EA 12 Amperes, 240 Volt AC, Power Supply For MXL (Siemens MPS-12/240).....	1,997.57	72.03
28 46 13 31-0624 EA Network Interface Module (Siemens NIM-1W).....	1,461.02	24.01
28 46 13 31-0625 EA U.L. Listed Parallel Printer (Siemens PAL-1).....	3,806.49	96.04
28 46 13 31-0626 EA Peripheral Interface Module, Model PIM-1 (Siemens 500-691324).....	419.63	24.01
28 46 13 31-0627 EA Surface Mounted Remote Command Center (Siemens RCC-1).....	3,970.53	480.20
28 46 13 31-0628 EA Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL).....	494.75	48.02
28 46 13 31-0629 EA Flush Mounted Remote Command Center (Siemens RCC-1F).....	3,970.53	480.20
28 46 13 31-0630 EA Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL).....	508.31	48.02





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0631 EA Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2).....	2,993.51	480.20
28 46 13 31-0632 EA MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3).....	4,607.57	480.20
28 46 13 31-0633 EA RCC-2/RSE-1 Trim Ring (Siemens RCF-1).....	74.84	12.00
28 46 13 31-0634 EA Remote Diagnostics Module For MXL (Siemens RDM-MXL) .....	5,969.44	48.02
28 46 13 31-0635 EA Remote Diagnostics Module For PC (Siemens RDM-PC) .....	12,743.05	48.02
28 46 13 31-0636 EA Releasing End Of Line Module (Siemens REL-EOL).....	171.14	24.01
28 46 13 31-0637 EA 36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC) .....	3,797.41	48.02
28 46 13 31-0638 EA 36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL).....	3,624.60	48.02
28 46 13 31-0639 EA 8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1) .....	1,887.47	96.04
<b>28 46 13 31-0640 Complete MXL And MXLV System Packages Without Enclosure</b> <small>(28 46 13 31-0606)</small>		
28 46 13 31-0641 EA MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP) .....	13,495.94	480.20
Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.		
28 46 13 31-0642 EA MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP).....	17,729.30	480.20
Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.		
28 46 13 31-0643 EA MXLV Demonstration Panel (Siemens MXLV DEMO) .....	37,500.07	480.20
<b>28 46 13 31-0644 MXL Basic System</b> <small>(28 46 13 31-0606)</small>		
28 46 13 31-0645 EA MXL/MXLV Main Control Board (Siemens MMB-3) .....	8,169.21	480.20
28 46 13 31-0646 EA MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL).....	10,698.16	480.20
Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.		
28 46 13 31-0647 EA MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2) .....	3,198.78	48.02
28 46 13 31-0648 EA MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5) .....	4,014.28	48.02
28 46 13 31-0649 EA 6 Amperes Power Supply For MXL (Siemens MPS-6) .....	1,363.92	72.03
28 46 13 31-0650 EA 220/240 Volt AC Adapter Cable (Siemens CIA-12) .....	97.43	12.00
<b>28 46 13 31-0651 MXL/MXLV System Expansion Accessories</b> <small>(28 46 13 31-0606)</small>		
28 46 13 31-0652 EA MXL Remote Power Supply Module (Siemens PSR-1) .....	1,683.57	72.03
28 46 13 31-0653 EA Style 4 Communication Module (Siemens NET-4).....	340.56	24.01
28 46 13 31-0654 EA Style 7 Communication Module (Siemens NET-7).....	630.84	24.01
28 46 13 31-0655 EA MXL/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6) .....	373.32	24.01
<b>28 46 13 31-0656 Peripheral Devices</b> <small>(28 46 13 31-0535)</small>		
<b>28 46 13 31-0657 Thermal Detectors</b> <small>(28 46 13 31-0656)</small>		
28 46 13 31-0658 EA Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R).....	127.38	36.01
28 46 13 31-0659 EA Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R).....	127.38	36.01
28 46 13 31-0660 EA 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F).....	127.38	36.01
28 46 13 31-0661 EA 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F).....	127.38	36.01
28 46 13 31-0662 EA Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP).....	212.09	36.01
28 46 13 31-0663 EA Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP).....	212.09	36.01
28 46 13 31-0664 EA Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP).....	554.33	36.01
<b>28 46 13 31-0665 Beam Smoke Detector</b> <small>(28 46 13 31-0656)</small>		
28 46 13 31-0666 EA Linear Beam Smoke Detector (Siemens PBA-1191) .....	2,685.43	36.01
28 46 13 31-0667 EA Base For Linear Beam Smoke Detector (Siemens PBB-1191).....	304.13	12.00
28 46 13 31-0668 EA 20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192) .....	307.51	12.00
28 46 13 31-0669 EA 10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193) .....	153.90	12.00
<b>28 46 13 31-0670 Bases For Detectors</b> <small>(28 46 13 31-0656)</small>		
28 46 13 31-0671 EA Detector Base (Siemens DB-11).....	40.95	12.00
28 46 13 31-0672 EA Universal Base (Siemens DB-3S) .....	37.56	12.00
<b>28 46 13 31-0673 Manual Stations</b> <small>(28 46 13 31-0656)</small>		
28 46 13 31-0674 EA Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP) .....	327.57	28.81
<b>28 46 13 31-0675 Addressable Devices</b> <small>(28 46 13 31-0535)</small>		
<b>28 46 13 31-0676 Intelligent Detectors And Devices For Firefinder XLS And FS-250</b> <small>(28 46 13 31-0675)</small>		
28 46 13 31-0677 EA Addressable Fireprint Fire Detector (Siemens HFP-11) .....	266.30	36.01
28 46 13 31-0678 EA Addressable Thermal Fire Detector (Siemens HFPT-11) .....	226.77	36.01
28 46 13 31-0679 EA Relay Base For H-Series Intelligent Detectors (Siemens DB-HR) .....	180.46	36.01

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

28 46 13 31-0680	EA	Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC) .....	113.82	36.01
28 46 13 31-0681	EA	Wall Mounted Remote Alarm Indicator (Siemens RL-HW) .....	113.82	36.01
28 46 13 31-0682	EA	Addressable Single Action Manual Pull Station (Siemens HMS-S) .....	286.34	24.01
28 46 13 31-0683	EA	Addressable Double Action Manual Pull Station (Siemens HMS-D) .....	272.79	24.01
28 46 13 31-0684	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S) .....	212.93	24.01
28 46 13 31-0685	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D) .....	263.75	24.01
28 46 13 31-0686	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R) .....	263.75	24.01
28 46 13 31-0687	EA	Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M) .....	195.98	24.01
28 46 13 31-0688	EA	Line Isolator Module (Siemens HLIM) .....	202.76	24.01
28 46 13 31-0689	EA	Remote Convention Zone Module (Siemens HZM) .....	306.68	24.01
28 46 13 31-0690	EA	Intelligent Control Point Module (Siemens HCP) .....	392.52	24.01
28 46 13 31-0691	EA	Handheld Programming And Testing Unit (Siemens DPU) .....	1,786.03	
28 46 13 31-0692	EA	DPU Carrying Case (Siemens DPU-C1) .....	271.94	
28 46 13 31-0693	EA	Label Printer And Carrying Case (Siemens DPU-PRT) .....	3,057.01	24.01
<b>28 46 13 31-0694</b>		<b>Air Duct Housings And Detectors</b> <small>(28 46 13 31-0675)</small>		
28 46 13 31-0695	EA	Air-Duct Housing (Siemens AD2-P) .....	317.41	19.20
28 46 13 31-0696	EA	Air-Duct Housing With Relay (Siemens AD2-XHR) .....	360.33	19.20
28 46 13 31-0697	EA	Weatherproof Enclosure For Duct Housing (Siemens WP-2000) .....	284.09	24.01
28 46 13 31-0698	EA	6" To 1' Duct Sampling Tube (Siemens ST-10) .....	37.00	7.20
28 46 13 31-0699	EA	>1' To 3' Duct Sampling Tube (Siemens ST-25) .....	45.18	9.61
28 46 13 31-0700	EA	>3' To 5' Duct Sampling Tube (Siemens ST-50) .....	56.77	12.00
28 46 13 31-0701	EA	>5' To 10' Duct Sampling Tube (Siemens ST-100) .....	66.08	14.41
<b>28 46 13 31-0702</b>		<b>Intelligent Initiating Devices For MXL, MXL-LQ And MXLV</b> <small>(28 46 13 31-0675)</small>		
28 46 13 31-0703	EA	Addressable Fireprint Fire Detector (Siemens FP-11) .....	278.73	36.01
28 46 13 31-0704	EA	Addressable Thermal Fire Detector (Siemens FPT-11) .....	236.94	36.01
28 46 13 31-0705	EA	Intelligent Ionization Smoke Detector (Siemens ILL-1) .....	310.35	36.01
28 46 13 31-0706	EA	Addressable Single Action Manual Pull Station (Siemens MSI-10B) .....	278.44	24.01
28 46 13 31-0707	EA	Addressable Double Action Manual Pull Station (Siemens MSI-20B) .....	308.93	24.01
28 46 13 31-0708	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S) .....	281.83	24.01
28 46 13 31-0709	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D) .....	313.45	24.01
28 46 13 31-0710	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R) .....	313.45	24.01
<b>28 46 13 31-0711</b>		<b>Detector Universal Bases</b> <small>(28 46 13 31-0675)</small>		
28 46 13 31-0712	EA	Detector Base With Relay (Siemens DB-X11RS) .....	131.31	12.00
28 46 13 31-0713	EA	PE-11 To DB-3 Base Adapter (Siemens DB-ADPT) .....	63.54	12.00
28 46 13 31-0714	EA	Locking Kit (Siemens LK-11) .....	10.51	
28 46 13 31-0715	EA	Detector Base With Relay (Siemens DB-X3RS) .....	131.31	12.00
28 46 13 31-0716	EA	Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11) .....	153.90	12.00
28 46 13 31-0717	EA	Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX) .....	60.15	12.00
28 46 13 31-0718	EA	Flush Trim Ring For Bases (Siemens RA-ADB) .....	27.96	7.20
28 46 13 31-0719	EA	Seal For DB-11 (Siemens DB11-SEAL) .....	13.23	
28 46 13 31-0720	EA	Gasket For DB-11 (Siemens DB-SEAL) .....	14.72	
28 46 13 31-0721	EA	Detector Guard Housing (Siemens DGH-11) .....	195.69	12.00
28 46 13 31-0722	EA	Small Detector Base (Siemens DB-11E) .....	45.47	12.00
28 46 13 31-0723	EA	Audible Base For Series 3 (Siemens ADBI-60A) .....	174.23	12.00
28 46 13 31-0724	EA	Base Plug (Siemens DB-11-DP) .....	10.47	
<b>28 46 13 31-0725</b>		<b>Air Duct Smoke Detectors</b> <small>(28 46 13 31-0675)</small>		
28 46 13 31-0726	EA	Intelligent Remote Duct Relay Module (Siemens DA-X3SR) .....	139.51	24.01
28 46 13 31-0727	EA	Weatherproof Enclosure For Duct Housing (Siemens EAD-3) .....	778.81	24.01
<b>28 46 13 31-0728</b>		<b>Notification Devices</b> <small>(28 46 13 31-0535)</small>		
<b>28 46 13 31-0729</b>		<b>Synchronization Control Devices</b> <small>(28 46 13 31-0728)</small>		
28 46 13 31-0730	EA	Dual Synchronization Control Module (Siemens DSC) .....	212.93	24.01
<b>28 46 13 31-0731</b>		<b>Stand Alone Strobes</b> <small>(28 46 13 31-0728)</small>		
28 46 13 31-0732	EA	Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R) .....	168.04	36.01
28 46 13 31-0733	EA	Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R) .....	184.98	36.01
28 46 13 31-0734	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR) .....	168.04	36.01
28 46 13 31-0735	EA	Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR) .....	184.98	36.01
28 46 13 31-0736	EA	Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW) .....	184.98	36.01
28 46 13 31-0737	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW) .....	168.04	36.01
28 46 13 31-0738	EA	Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R) .....	197.40	36.01
28 46 13 31-0739	EA	Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP) .....	188.37	36.01
28 46 13 31-0740	EA	Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP) .....	188.37	36.01
28 46 13 31-0741	EA	Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP) .....	203.05	36.01
28 46 13 31-0742	EA	Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP) .....	203.05	36.01
<b>28 46 13 31-0743</b>		<b>Horns And Strobes</b> <small>(28 46 13 31-0728)</small>		
28 46 13 31-0744	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R) .....	234.68	36.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0745 EA Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R) .....	249.36	36.01
28 46 13 31-0746 EA Wall Mounted Horn (Siemens SE-R) .....	127.38	36.01
28 46 13 31-0747 EA Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR) .....	234.68	36.01
28 46 13 31-0748 EA Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR) .....	249.36	36.01
28 46 13 31-0749 EA Ceiling Mounted Horn (Siemens SEC-R) .....	134.15	36.01
28 46 13 31-0750 EA Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R) .....	234.68	36.01
28 46 13 31-0751 EA Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R) .....	249.36	36.01
28 46 13 31-0752 EA Wall Mounted Low Profile Horn (Siemens SEF-R) .....	127.38	36.01
28 46 13 31-0753 EA Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW) .....	234.68	36.01
28 46 13 31-0754 EA Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW) .....	249.36	36.01
28 46 13 31-0755 EA Ceiling Mounted Low Profile Horn (Siemens SEF-CR) .....	134.15	36.01
28 46 13 31-0756 EA Mini Horn (Siemens MH-R) .....	102.53	36.01
28 46 13 31-0757 EA Indoor/Outdoor Multi Tone Horn (Siemens MTH-R) .....	136.41	36.01
28 46 13 31-0758 EA Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R) .....	219.99	36.01
28 46 13 31-0759 EA Industrial Tri-Tone Horn (Siemens ASR) .....	665.02	36.01
28 46 13 31-0760 EA Wall Mounted Horn (Siemens HS-R) .....	136.41	36.01
28 46 13 31-0761 EA Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R) .....	221.12	36.01
28 46 13 31-0762 EA Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R) .....	239.20	36.01
28 46 13 31-0763 EA 6" Motor Bell (Siemens MBDC-6) .....	159.00	36.01
28 46 13 31-0764 EA 10" Motor Bell (Siemens MBDC-10) .....	175.94	36.01
<b>28 46 13 31-0765</b>	<b>Mounting Accessories</b> <small>(28 46 13 31-0728)</small>	
28 46 13 31-0766 EA Concealed Conduit Adapter Plate (Siemens APS-R) .....	37.56	12.00
28 46 13 31-0767 EA 4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R) .....	37.56	12.00
28 46 13 31-0768 EA 4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R) .....	38.69	12.00
28 46 13 31-0769 EA Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX) .....	65.80	12.00
28 46 13 31-0770 EA White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W) .....	51.12	12.00
28 46 13 31-0771 EA Surface Mounted Speaker Backbox (Siemens SBBS-R) .....	54.51	12.00
28 46 13 31-0772 EA Surface Mounted Speaker Backbox (Siemens SBL2S-R) .....	59.02	12.00
28 46 13 31-0773 EA Square Semi-Flush Extension Ring (Siemens SERS-R) .....	45.47	12.00
28 46 13 31-0774 EA Semi-Flush Plate (Siemens SFPS-R) .....	36.43	12.00
28 46 13 31-0775 EA Square Surface Backbox (Siemens SHBBS-R) .....	45.47	12.00
28 46 13 31-0776 EA Horn Adapter Plate (Siemens SHMPS-R) .....	43.21	12.00
28 46 13 31-0777 EA Ceiling Speaker Extension Ring (Siemens SPECT-R) .....	37.56	12.00
28 46 13 31-0778 EA Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R) .....	51.12	12.00
28 46 13 31-0779 EA Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSB-R) .....	54.51	12.00
28 46 13 31-0780 EA Weatherproof Speaker Backbox (Siemens WBBS-R) .....	52.25	12.00
28 46 13 31-0781 EA Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B) .....	59.02	12.00
28 46 13 31-0782 EA Weatherproof Flush Plate (Siemens WFPAS-R) .....	59.02	12.00
28 46 13 31-0783 EA Weatherproof Horn Flush Plate (Siemens WFPS-R) .....	59.02	12.00
28 46 13 31-0784 EA Weatherproof Horn Backbox (Siemens WPBBS-R) .....	54.51	12.00
28 46 13 31-0785 EA Weatherproof Strobe Backbox (Siemens WPSBBS-R) .....	54.51	12.00
28 46 13 31-0786 EA Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT) .....	37.56	12.00
28 46 13 31-0787 EA Z Series Backbox (Siemens ZBB-R) .....	43.21	12.00
<b>28 46 13 31-0788</b>	<b>Door Holders</b> <small>(28 46 13 31-0728)</small>	
28 46 13 31-0789 EA 120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A) .....	363.44	36.01
28 46 13 31-0790 EA 24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D) .....	363.44	36.01
<b>28 46 13 31-0791</b>	<b>Voice Equipment</b> <small>(28 46 13 31-0535)</small>	
<b>28 46 13 31-0792</b>	<b>Voicecom</b> <small>(28 46 13 31-0791)</small>	
28 46 13 31-0793 EA Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM) .....	5,608.30	480.20
28 46 13 31-0794 EA Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L) .....	9,053.28	480.20
<b>28 46 13 31-0795</b>	<b>Johnson Controls Fire Alarm</b> <small>(28 46 13 31)</small>	
28 46 13 31-0796 EA Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J) .....	203.69	36.01
28 46 13 31-0797 EA Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J) .....	201.24	36.01
28 46 13 31-0798 EA Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ) .....	257.32	36.01
28 46 13 31-0799 EA Acclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ) .....	256.54	36.01
28 46 13 31-0800 EA 411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD) .....	739.83	48.02
28 46 13 31-0801 EA Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ) .....	191.19	36.01
28 46 13 31-0802 EA Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J) .....	167.98	36.01
28 46 13 31-0803 EA Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ) .....	163.06	36.01
28 46 13 31-0804 EA Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J) .....	541.27	36.01
28 46 13 31-0805 EA 100 Watts Audio Amplifier At 70.7 VRMS With Built-in Tone Generator, 120 Volt AC (Johnson Controls, Inc. #AA-100) .....	2,702.32	72.03
28 46 13 31-0806 EA AUDIO Amplifier, 100 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-100E) .....	2,616.77	72.03
28 46 13 31-0807 EA 120 Watts Audio Amplifier At 25 VRMS With Built-in Tone Generator, 120 Voltage AC (Johnson Controls, Inc. #AA-120) .....	2,662.93	72.03
28 46 13 31-0808 EA AUDIO Amplifier, 120 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-120E) .....	2,547.69	72.03



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0809	EA		30 Watts Audio Amplifier At 25 VRMS, 120 Voltage AC (Johnson Controls, Inc. #AA-30) .....	1,216.39	72.03
28 46 13 31-0810	EA		AUDIO Amplifier, 30 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-30E) .....	1,216.39	72.03
28 46 13 31-0811	EA		Annunciator Control Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT).....	1,249.85	24.01
28 46 13 31-0812	EA		IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT).....	1,300.64	24.01
28 46 13 31-0813	EA		Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A).....	951.12	24.01
28 46 13 31-0814	EA		IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A).....	951.12	24.01
28 46 13 31-0815	EA		Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R) .....	666.21	24.01
28 46 13 31-0816	EA		Charger Power Supply - 6 Or 10 Amperes; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610) .....	2,168.14	48.02
28 46 13 31-0817	EA		Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT).....	951.12	24.01
28 46 13 31-0818	EA		Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT) .....	989.30	24.01
28 46 13 31-0819	EA		Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A) .....	850.94	24.01
28 46 13 31-0820	EA		Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A) .....	850.94	24.01
28 46 13 31-0821	EA		Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX).....	131.28	21.61
28 46 13 31-0822	EA		Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM) .....	1,294.42	48.02
28 46 13 31-0823	EA		Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS) .....	2,858.84	48.02
28 46 13 31-0824	EA		Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM).....	1,294.42	48.02
28 46 13 31-0825	EA		Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS) .....	2,858.84	48.02
28 46 13 31-0826	EA		Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP) .....	44.73	12.00
28 46 13 31-0827	EA		Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI) .....	133.85	12.00
28 46 13 31-0828	EA		Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB).....	125.79	12.00
28 46 13 31-0829	EA		Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401) .....	48.17	12.00
28 46 13 31-0830	EA		Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J).....	42.45	12.00
28 46 13 31-0831	EA		Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100).....	935.32	48.02
28 46 13 31-0832	EA		Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224) .....	2,216.16	72.03
28 46 13 31-0833	EA		Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S) .....	2,345.67	72.03
28 46 13 31-0834	EA		Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK) .....	257.13	12.00
28 46 13 31-0835	EA		Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK).....	170.80	12.00
28 46 13 31-0836	EA		Digital Audio Amplifier, 50 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-5025).....	2,218.06	72.03
28 46 13 31-0837	EA		Digital Audio Amplifier, 50 Watts, 25 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5025F) .....	2,043.48	72.03
28 46 13 31-0838	EA		Digital Audio Amplifier, 50 Watts, 25 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5025SF) .....	2,043.48	72.03
28 46 13 31-0839	EA		Digital Audio Amplifier, 50 Watts, 70 VRMS (Johnson Controls, Inc. #DAA-5070).....	2,406.65	72.03
28 46 13 31-0840	EA		Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E) .....	2,216.16	72.03
28 46 13 31-0841	EA		Digital Audio Amplifier, 50 Watts, 70 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5070F) .....	2,216.16	72.03
28 46 13 31-0842	EA		Digital Audio Amplifier, 50 Watts, 70 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5070SF) .....	2,216.16	72.03
28 46 13 31-0843	EA		Digital Audio Amplifier, 75 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-7525) .....	2,660.18	72.03
28 46 13 31-0844	EA		Digital Audio Amplifier, 75 Watts, 25 VRMS, Multi Fiber (Johnson Controls, Inc. #DAA-7525F) .....	2,660.18	72.03
28 46 13 31-0845	EA		Digital Audio Amplifier, 75 Watts, 25 VRMS, Single Fiber (Johnson Controls, Inc. #DAA-7525SF).....	2,660.18	72.03
28 46 13 31-0846	EA		Innovairflex Intelligent. (Johnson Controls, Inc. #DNR).....	265.71	24.01
28 46 13 31-0847	EA		Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW).....	416.70	24.01
28 46 13 31-0848	EA		Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1) .....	32.96	9.61
28 46 13 31-0849	EA		Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5) .....	36.51	9.61
28 46 13 31-0850	EA		Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10) .....	95.23	14.41
28 46 13 31-0851	EA		Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3) .....	44.47	9.61
28 46 13 31-0852	EA		Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5).....	54.82	12.00
28 46 13 31-0853	EA		Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO).....	419.25	24.01
28 46 13 31-0854	EA		Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD).....	691.79	48.02
28 46 13 31-0855	EA		Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4).....	553.58	72.03
28 46 13 31-0856	EA		Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4).....	786.11	72.03
28 46 13 31-0857	EA		Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPs-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4).....	863.82	72.03
28 46 13 31-0858	EA		Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4).....	475.57	9.61
28 46 13 31-0859	EA		Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4) .....	720.24	9.61
28 46 13 31-0860	EA		Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4) .....	792.20	9.61
28 46 13 31-0861	EA		6.0 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S6).....	901.94	96.04
28 46 13 31-0862	EA		Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions 8 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S8).....	1,203.38	96.04
28 46 13 31-0863	EA		Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions 80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G).....	1,154.23	72.03
28 46 13 31-0864	EA		Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS) .....	213.96	12.00
28 46 13 31-0865	EA		Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R).....	612.67	24.01
28 46 13 31-0866	EA		Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980).....	308.44	36.01
28 46 13 31-0867	EA		Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996).....	247.20	36.01
28 46 13 31-0868	EA		Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998).....	261.14	36.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0869 EA Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200).....	2,274.64	48.02
28 46 13 31-0870 EA Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S).....	2,785.68	48.02
28 46 13 31-0871 EA Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J) .....	835.30	24.01
28 46 13 31-0872 EA IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amperes Power Supply, 120 Volt AC, (Johnson Controls, Inc. #IFC-320) .....	5,538.12	384.16
Note: Includes Door, Dress Panel And Back Box, Black		
28 46 13 31-0873 EA Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG).....	2,810.49	48.02
28 46 13 31-0874 EA Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI) .....	36,839.99	576.25
28 46 13 31-0875 EA Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F) .....	40,293.49	576.25
28 46 13 31-0876 EA Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon@ Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP).....	45,473.75	576.25
28 46 13 31-0877 EA Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W).....	40,293.49	576.25
28 46 13 31-0878 EA Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B) .....	267.10	14.41
28 46 13 31-0879 EA Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB).....	301.64	14.41
28 46 13 31-0880 EA Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B) .....	329.27	14.41
28 46 13 31-0881 EA Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B).....	622.82	14.41
28 46 13 31-0882 EA Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB) .....	198.77	9.61
28 46 13 31-0883 EA Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black. (Johnson Controls, Inc. #JABS-2D) .....	306.26	21.61
28 46 13 31-0884 EA Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red. (Johnson Controls, Inc. #JABS-2DR).....	326.07	21.61
28 46 13 31-0885 EA Surface (or Semi-flush) Mount INA, ACS, Or SCS Backbox, Black. (Johnson Controls, Inc. #JABS-4D) .....	609.58	21.61
28 46 13 31-0886 EA Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4).....	614.95	9.61
28 46 13 31-0887 EA Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4).....	830.79	9.61
28 46 13 31-0888 EA Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4).....	1,029.37	9.61
28 46 13 31-0889 EA Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX) .....	277.10	24.01
28 46 13 31-0890 EA Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4).....	130.25	9.61
28 46 13 31-0891 EA JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D) .....	5,525.06	384.16
28 46 13 31-0892 EA Central Processing Unit For The JCPU2-640 With Integral 120 Volt AC Power Supply (Johnson Controls, Inc. #JCPU2-640).....	3,982.44	288.12
Note: Includes CHS2-M2 Chassis		
28 46 13 31-0893 EA Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D).....	7,239.38	384.16
28 46 13 31-0894 EA Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640).....	6,999.89	288.12
28 46 13 31-0895 EA Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E).....	4,997.22	288.12
28 46 13 31-0896 EA Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM).....	2,806.01	36.01
28 46 13 31-0897 EA Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF).....	2,834.83	36.01
28 46 13 31-0898 EA Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF).....	2,834.83	36.01
28 46 13 31-0899 EA Annunciator, Network Control. (Johnson Controls, Inc. #JNCA).....	3,351.85	48.02
28 46 13 31-0900 EA Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. (Johnson Controls, Inc. #JNCA-2) .....	2,836.39	48.02
Note: Mounting Includes: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D).		
28 46 13 31-0901 EA Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP).....	2,303.01	288.12
28 46 13 31-0902 EA 160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD- 160) .....	2,006.90	48.02
28 46 13 31-0903 EA 80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80).....	1,645.94	48.02
28 46 13 31-0904 EA Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC- 3030 Only. (Johnson Controls, Inc. #LCM-320).....	2,666.11	48.02
28 46 13 31-0905 EA Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32) .....	826.93	12.00
28 46 13 31-0906 EA Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24) .....	262.65	9.61
28 46 13 31-0907 EA Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48) .....	324.82	9.61
28 46 13 31-0908 EA Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32) .....	664.65	12.00
28 46 13 31-0909 EA Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32).....	1,225.84	12.00
28 46 13 31-0910 EA Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320) .....	2,226.95	12.00
28 46 13 31-0911 EA Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ) .....	168.00	12.00
28 46 13 31-0912 EA Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ).....	271.95	12.00
28 46 13 31-0913 EA Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry- contact Input Devices. (Johnson Controls, Inc. #M300MJ).....	130.34	12.00
28 46 13 31-0914 EA Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ).....	185.79	12.00
28 46 13 31-0915 EA Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devices. (Johnson Controls, Inc. #M301MJ) .....	144.90	12.00
28 46 13 31-0916 EA Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ).....	240.81	12.00
28 46 13 31-0917 EA Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FJ).....	275.63	12.00
28 46 13 31-0918 EA SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ).....	152.31	12.00

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT  
UNIT COST DEMOLITION  
UNIT COST

28 46 13 31-0919	EA	Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W).....	2,337.52	36.01
28 46 13 31-0920	EA	Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F).....	2,083.84	24.01
28 46 13 31-0921	EA	Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W).....	1,924.99	24.01
28 46 13 31-0922	EA	Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO).....	70.04	4.80
28 46 13 31-0923	EA	Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc.) (Johnson Controls, Inc. #NCM-F).....	1,682.23	24.01
28 46 13 31-0924	EA	Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc.) (Johnson Controls, Inc. #NCM-W).....	1,601.19	24.01
28 46 13 31-0925	EA	NFV-25/50. (Johnson Controls, Inc. #NFV-25/50).....	4,095.79	48.02
28 46 13 31-0926	EA	NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U).....	1,131.40	24.01
28 46 13 31-0927	EA	Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S).....	307.55	9.61
28 46 13 31-0928	EA	Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1).....	709.38	24.01
28 46 13 31-0929	EA	Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA).....	709.38	24.01
28 46 13 31-0930	EA	Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1).....	188.43	9.61
28 46 13 31-0931	EA	SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB).....	48.66	4.80
28 46 13 31-0932	EA	SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC).....	48.66	4.80
28 46 13 31-0933	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCR).....	175.65	36.01
28 46 13 31-0934	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCRH).....	199.81	36.01
28 46 13 31-0935	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK).....	237.05	40.81
28 46 13 31-0936	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK).....	233.58	40.81
28 46 13 31-0937	EA	Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8).....	1,675.38	96.04
28 46 13 31-0938	EA	Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L).....	1,295.48	96.04
28 46 13 31-0939	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW).....	175.65	36.01
28 46 13 31-0940	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCWH).....	199.81	36.01
28 46 13 31-0941	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW-P).....	175.65	36.01
28 46 13 31-0942	EA	Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500).....	30.16	9.61
28 46 13 31-0943	EA	SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON).....	37.32	4.80
28 46 13 31-0944	EA	SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP).....	42.87	4.80
28 46 13 31-0945	EA	SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS).....	37.37	4.80
28 46 13 31-0946	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR).....	158.99	36.01
28 46 13 31-0947	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH).....	199.81	36.01
28 46 13 31-0948	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK).....	237.05	40.81
28 46 13 31-0949	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH-P).....	199.81	36.01
28 46 13 31-0950	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK).....	233.58	40.81
28 46 13 31-0951	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR-P).....	175.65	36.01
28 46 13 31-0952	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW).....	175.65	36.01
28 46 13 31-0953	EA	Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH).....	199.81	36.01
28 46 13 31-0954	EA	Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH-P).....	199.81	36.01
28 46 13 31-0955	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW-P).....	175.65	36.01
28 46 13 31-0956	EA	Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1).....	264.02	12.00
28 46 13 31-0957	EA	Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT).....	1,167.90	48.02
28 46 13 31-0958	EA	Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi (Johnson Controls, Inc. #SPSCW).....	263.37	48.02
28 46 13 31-0959	EA	Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW).....	110.69	24.01
28 46 13 31-0960	EA	Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV).....	110.69	24.01
28 46 13 31-0961	EA	Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR).....	215.35	24.01
28 46 13 31-0962	EA	Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH).....	235.37	24.01
28 46 13 31-0963	EA	Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRHV).....	235.37	24.01
28 46 13 31-0964	EA	Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV).....	207.40	24.01
28 46 13 31-0965	EA	Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D (Johnson Controls, Inc. #SPSWK).....	287.55	24.01
28 46 13 31-0966	EA	Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW).....	215.35	24.01
28 46 13 31-0967	EA	Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW).....	110.69	24.01
28 46 13 31-0968	EA	Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR).....	110.69	24.01
28 46 13 31-0969	EA	Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH).....	235.37	24.01
28 46 13 31-0970	EA	Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR).....	215.35	24.01
28 46 13 31-0971	EA	Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV).....	215.35	24.01

28 46 13 31-0972 Honeywell Fire Alarm (28 46 13 31)

28 46 13 31-0973 Notifier Fire Alarm (28 46 13 31-0972)

28 46 13 31-0974 Fire Alarm Control Panel And Accessories (28 46 13 31-0973)

28 46 13 31-0975	EA	NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D).....	5,096.06	480.20
28 46 13 31-0976	EA	NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640).....	4,175.62	480.20
28 46 13 31-0977	EA	Central Processing Unit for NFS2-640 With Integral 240 Volt Power Supply Includes Chassis (Notifier CPU2-640E).....	3,457.71	480.20
28 46 13 31-0978	EA	Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320).....	5,085.24	480.20
28 46 13 31-0979	EA	Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C).....	4,935.34	480.20
28 46 13 31-0980	EA	Black, 240 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E).....	4,805.17	480.20
28 46 13 31-0981	EA	Red, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R).....	4,680.87	480.20
28 46 13 31-0982	EA	Two-Tone Sequential Module (Notifier 2TTM).....	321.09	24.01
28 46 13 31-0983	EA	5', Not Low Loss, Antenna Cable (Notifier 7626-5C).....	81.06	4.80
28 46 13 31-0984	EA	25', Low Loss, Antenna Cable (Notifier 7626-25HC).....	155.24	9.61
28 46 13 31-0985	EA	50', Low Loss, Antenna Cable (Notifier 7626-50HC).....	235.81	14.41
28 46 13 31-0986	EA	IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P).....	379.75	
28 46 13 31-0987	EA	RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119).....	74.71	
28 46 13 31-0988	EA	120 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS).....	4,582.99	480.20
28 46 13 31-0989	EA	240 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS).....	4,630.95	480.20
28 46 13 31-0990	EA	3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB).....	202.42	4.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0991 EA Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER) .....	61.48	4.80
28 46 13 31-0992 EA Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT) .....	86.49	9.61
28 46 13 31-0993 EA Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT) .....	84.69	12.00
28 46 13 31-0994 EA IP Communicator (Notifier IPDACT-2) .....	654.84	24.01
28 46 13 31-0995 EA IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD) .....	760.54	24.01
28 46 13 31-0996 EA Red, IP Communicator External Mounting Enclosure (Notifier IPENC) .....	173.30	24.01
Note: Includes IPBRKT.		
28 46 13 31-0997 EA Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B) .....	172.81	24.01
Note: Includes IPBRKT		
28 46 13 31-0998 EA Dual 8TPC To Single 8TPC Y-Splitter With Two 9' Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT) .....	43.37	9.61
28 46 13 31-0999 EA Loop Control Module (Notifier LCM-320) .....	1,911.67	48.02
28 46 13 31-1000 EA Loop Expander Module (Notifier LEM-320) .....	1,503.47	48.02
28 46 13 31-1001 EA Keyboard Display Module For CPU2-640 (Notifier KDM-R2) .....	1,448.44	48.02
28 46 13 31-1002 EA 7' DACT Phone Cord (Notifier MCBL-7) .....	21.06	
28 46 13 31-1003 EA Backbox For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1) .....	186.97	12.00
28 46 13 31-1004 EA Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R) .....	210.98	24.01
28 46 13 31-1005 EA Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B) .....	210.98	24.01
28 46 13 31-1006 EA Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2) .....	568.15	24.01
28 46 13 31-1007 EA Universal Zone Coder (Notifier UZC-256) .....	788.55	24.01
28 46 13 31-1008 EA Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI) .....	245.43	
Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.		
28 46 13 31-1009 EA Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD) .....	839.62	
28 46 13 31-1010 EA ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD) .....	515.85	
28 46 13 31-1011 EA Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS) .....	3,474.32	14.41
28 46 13 31-1012 EA Surface Back Box For NBG-12LRA (Notifier SBA-10) .....	45.64	12.00
28 46 13 31-1013 EA Up To 50 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-50X) .....	1,792.77	480.20
28 46 13 31-1014 EA Up To 198 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-100X) .....	2,630.75	480.20
<b>28 46 13 31-1015 ONYX Cabinets</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1016 EA Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R) .....	595.27	12.00
28 46 13 31-1017 EA Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R) .....	800.73	12.00
28 46 13 31-1018 EA Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R) .....	990.63	12.00
28 46 13 31-1019 EA Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4) .....	110.05	14.41
28 46 13 31-1020 EA Chassis Bridge (Notifier CB-1) .....	100.11	12.00
28 46 13 31-1021 EA Four Position Chassis (Notifier CHS-4) .....	169.35	12.00
28 46 13 31-1022 EA Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2) .....	190.00	24.01
28 46 13 31-1023 EA Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B) .....	96.83	14.41
28 46 13 31-1024 EA Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP) .....	123.50	14.41
28 46 13 31-1025 EA One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4) .....	356.04	24.01
28 46 13 31-1026 EA One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B) .....	224.89	24.01
28 46 13 31-1027 EA Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4) .....	449.83	36.01
28 46 13 31-1028 EA Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B) .....	275.37	36.01
28 46 13 31-1029 EA Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4) .....	672.37	48.02
28 46 13 31-1030 EA Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B) .....	406.47	48.02
28 46 13 31-1031 EA Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4) .....	815.50	60.03
28 46 13 31-1032 EA Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B) .....	471.38	60.03
28 46 13 31-1033 EA Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4) .....	268.69	12.00
28 46 13 31-1034 EA Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B) .....	184.52	12.00
28 46 13 31-1035 EA Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR) .....	184.52	12.00
28 46 13 31-1036 EA Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R) .....	273.59	12.00
28 46 13 31-1037 EA Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR) .....	208.01	12.00
28 46 13 31-1038 EA Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R) .....	346.99	12.00
28 46 13 31-1039 EA Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR) .....	236.89	12.00
28 46 13 31-1040 EA Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R) .....	413.55	12.00
28 46 13 31-1041 EA Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR) .....	341.12	12.00
28 46 13 31-1042 EA Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R) .....	614.19	12.00
28 46 13 31-1043 EA Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR) .....	382.23	12.00
28 46 13 31-1044 EA Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R) .....	735.55	12.00
28 46 13 31-1045 EA Black, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4) .....	352.41	24.01
28 46 13 31-1046 EA Black, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4) .....	520.75	24.01
28 46 13 31-1047 EA Black, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4) .....	610.80	24.01
28 46 13 31-1048 EA Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4) .....	369.05	24.01
28 46 13 31-1049 EA Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4) .....	557.94	24.01
28 46 13 31-1050 EA Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4) .....	651.90	24.01
28 46 13 31-1051 EA Red, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4R) .....	355.34	24.01
28 46 13 31-1052 EA Red, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4R) .....	520.75	24.01
28 46 13 31-1053 EA Red, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4R) .....	618.63	24.01
28 46 13 31-1054 EA Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R) .....	386.66	24.01
28 46 13 31-1055 EA Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R) .....	557.94	24.01
28 46 13 31-1056 EA Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R) .....	651.90	24.01
28 46 13 31-1057 EA Backbox With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC) .....	2,427.02	120.05
28 46 13 31-1058 EA CAB-4 Series Mounting Kit (Notifier P40-KITB) .....	330.88	24.01
Note: Includes chassis, hinged dress plate, and mounting hardware.		
28 46 13 31-1059 EA Black, One Tier Backbox Assembly (Notifier SBB-A4) .....	348.60	72.03
28 46 13 31-1060 EA Black, Two Tier Backbox Assembly (Notifier SBB-B4) .....	494.09	96.04
28 46 13 31-1061 EA Black, Three Tier Backbox Assembly (Notifier SBB-C4) .....	656.53	96.04
28 46 13 31-1062 EA Black, Four Tier Backbox Assembly (Notifier SBB-D4) .....	798.38	120.05
28 46 13 31-1063 EA Black, Mini, One Tier, Backbox (Notifier SBB-AA4) .....	207.55	24.01

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

28 46 13 31-1064	EA	Red, Mini, One Tier, Backbox (Notifier SBB-AA4R).....	207.55	24.01
28 46 13 31-1065	EA	Red, One Tier Backbox Assembly (Notifier SBB-A4R) .....	252.58	24.01
28 46 13 31-1066	EA	Red, Two Tier Backbox Assembly (Notifier SBB-B4R) .....	351.43	24.01
28 46 13 31-1067	EA	Red, Three Tier Backbox Assembly (Notifier SBB-C4R) .....	514.88	24.01
28 46 13 31-1068	EA	Red, Four Tier Backbox Assembly (Notifier SBB-D4R) .....	608.84	24.01
28 46 13 31-1069	EA	Trim Ring For NFS-320 Cabinet (Notifier TR-320).....	200.58	14.41
28 46 13 31-1070	EA	Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R).....	200.58	14.41
28 46 13 31-1071	EA	Black, AA Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4).....	270.56	14.41
28 46 13 31-1072	EA	Black, A Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4) .....	213.79	14.41
28 46 13 31-1073	EA	Black, B Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4) .....	215.26	14.41
28 46 13 31-1074	EA	Black, C Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4) .....	212.81	14.41
28 46 13 31-1075	EA	Black, D Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4) .....	218.20	14.41
28 46 13 31-1076	EA	2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Backbox (Notifier VP-2B).....	77.16	14.41
28 46 13 31-1077	EA	Wire Trays For Routing Wire In A CAB-4 Series Backbox (Notifier WC-2).....	53.85	4.80
<b>28 46 13 31-1078</b>		<b>NFS2-3030/640 Cabinet Mechanicals</b> (28 46 13 31-0973)		
28 46 13 31-1079	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640).....	116.64	14.41
28 46 13 31-1080	EA	Blank Module Dress Plate (Notifier BM-1B) .....	96.19	14.41
28 46 13 31-1081	EA	Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4) .....	109.42	14.41
28 46 13 31-1082	EA	Four Position Expansion Chassis (Notifier CHS-4MB).....	263.80	12.00
28 46 13 31-1083	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3).....	245.29	36.01
28 46 13 31-1084	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2).....	121.46	14.41
<b>28 46 13 31-1085</b>		<b>NFS-3030/640 Cabinet Mechanicals</b> (28 46 13 31-0973)		
28 46 13 31-1086	EA	Annunciator Dress Plate (Notifier ADP-4B).....	110.63	14.41
28 46 13 31-1087	EA	Blank Module Dress Plate (Notifier BMP-1) .....	68.52	14.41
28 46 13 31-1088	EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L) .....	155.71	24.01
28 46 13 31-1089	EA	Module Dress Plate (Notifier MP-1B).....	111.83	14.41
<b>28 46 13 31-1090</b>		<b>Battery Cabinets</b> (28 46 13 31-0973)		
28 46 13 31-1091	EA	Six Position Chassis (Notifier CHS-6).....	98.92	24.01
28 46 13 31-1092	EA	Black, 24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB).....	497.80	72.03
<b>28 46 13 31-1093</b>		<b>Digital Voice</b> (28 46 13 31-0973)		
28 46 13 31-1094	EA	Chassis Used With BB-XP (Notifier 18439) .....	48.97	12.00
28 46 13 31-1095	EA	220 Volt AC, 100 Watt, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E).....	1,606.71	36.01
28 46 13 31-1096	EA	220 Volt AC, 120 Watt, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E).....	1,561.90	36.01
28 46 13 31-1097	EA	220 Volt AC, 30 Watt, 25 VRMS Audio Amplifier (Notifier AA-30E) .....	791.25	36.01
28 46 13 31-1098	EA	Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4).....	513.60	36.01
28 46 13 31-1099	EA	Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4).....	696.44	48.02
28 46 13 31-1100	EA	Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4).....	867.24	60.03
28 46 13 31-1101	EA	Multimode Audio Fiber Link Receiver (Notifier AFL-RM) .....	684.96	24.01
28 46 13 31-1102	EA	Multimode Audio Fiber Link Transmitter (Notifier AFL-TM).....	684.96	24.01
28 46 13 31-1103	EA	Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS).....	1,459.28	24.01
28 46 13 31-1104	EA	15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Backbox (Notifier AFAWS-BX) .....	104.02	12.00
28 46 13 31-1105	EA	Flush Mounted, Key Lock, Door (Notifier AFAWS-KR) .....	176.69	12.00
28 46 13 31-1106	EA	Surface Mounted, Key Lock, Door (Notifier AFAWS-KS).....	177.67	12.00
28 46 13 31-1107	EA	Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR).....	171.80	12.00
28 46 13 31-1108	EA	Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS).....	173.76	12.00
28 46 13 31-1109	EA	Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA) .....	355.80	12.00
28 46 13 31-1110	EA	Coil Cord, Telephone Chassis (Notifier AFAWS-TELC).....	271.63	12.00
28 46 13 31-1111	EA	Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B).....	111.40	
28 46 13 31-1112	EA	For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V).....	411.67	24.01
28 46 13 31-1113	EA	For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V).....	415.34	24.01
28 46 13 31-1114	EA	Blank Dress Plate For CA-2 (Notifier BP-CA2) .....	102.55	12.00
28 46 13 31-1115	EA	One Tier Chassis For Digital Voice Command Panel (Notifier CA-1).....	134.65	24.01
28 46 13 31-1116	EA	Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2).....	425.77	36.01
28 46 13 31-1117	EA	Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM).....	206.09	24.01
28 46 13 31-1118	EA	Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR) .....	206.09	24.01
28 46 13 31-1119	EA	Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1).....	268.69	12.00
28 46 13 31-1120	EA	Chassis With Paging Microphone With Well (Notifier CMIC-1).....	265.76	12.00
28 46 13 31-1121	EA	120 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025).....	1,778.22	24.01
28 46 13 31-1122	EA	Multi-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F).....	1,837.15	24.01
28 46 13 31-1123	EA	Single-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF).....	1,837.15	24.01
28 46 13 31-1124	EA	120 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070).....	1,835.98	24.01
28 46 13 31-1125	EA	Multi-Mode Fiber-Optic Media 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F).....	1,999.80	24.01
28 46 13 31-1126	EA	120 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525) .....	1,906.96	24.01
28 46 13 31-1127	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	2,406.42	24.01
28 46 13 31-1128	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	2,406.42	24.01
28 46 13 31-1129	EA	220-240 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E).....	1,305.01	24.01
28 46 13 31-1130	EA	220-240 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E).....	1,341.74	24.01
28 46 13 31-1131	EA	220-240 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E).....	1,399.04	24.01
28 46 13 31-1132	EA	120 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525) .....	888.46	24.01
28 46 13 31-1133	EA	220-240 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E).....	911.97	24.01
28 46 13 31-1134	EA	120 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570) .....	933.27	24.01
28 46 13 31-1135	EA	220-240 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E).....	964.13	24.01





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1136 EA 120 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025).....	970.74	24.01
28 46 13 31-1137 EA 220-240 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E).....	999.39	24.01
28 46 13 31-1138 EA 120 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070).....	1,028.04	24.01
28 46 13 31-1139 EA 220-240 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E).....	1,079.47	24.01
28 46 13 31-1140 EA Dress Plate For CFFT-1 (Notifier DP-CFFT).....	119.19	12.00
28 46 13 31-1141 EA Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1).....	104.61	14.41
28 46 13 31-1142 EA Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4).....	121.46	14.41
28 46 13 31-1143 EA Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B).....	211.70	14.41
28 46 13 31-1144 EA WPS Power Amplifier (Notifier DPA3204P).....	487.34	24.01
28 46 13 31-1145 EA WPS Power Amplifier (Notifier DPA4001P).....	411.67	24.01
28 46 13 31-1146 EA Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232).....	922.99	24.01
28 46 13 31-1147 EA 120 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMP).....	691.57	24.01
Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V		
28 46 13 31-1148 EA 220-240 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMPE).....	699.65	24.01
Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V		
28 46 13 31-1149 EA Digital Series Distribution Board, Supports One To Four DS-AMP Or DS-AMPE (Notifier DS-DB).....	1,162.48	24.01
28 46 13 31-1150 EA 125 Watt, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watt Amplifier With A DS-XF70V) (Notifier DS-BDA).....	455.75	24.01
28 46 13 31-1151 EA Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM).....	310.32	24.01
28 46 13 31-1152 EA Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXX Series Amplifier), Fiber Option Module (Notifier DS-RFM).....	310.32	24.01
28 46 13 31-1153 EA Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM).....	310.32	24.01
28 46 13 31-1154 EA Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watt, DS Series Transformer (Notifier DS-XF70V).....	129.50	24.01
28 46 13 31-1155 EA Analog Output Board For Digital Voice Command (Notifier DVC-AO).....	306.71	24.01
28 46 13 31-1156 EA Extended Memory For Digital Voice Command (Notifier DVC-EM).....	1,792.66	24.01
28 46 13 31-1157 EA Keypad For Digital Voice Command (Notifier DVC-KD).....	511.14	48.02
28 46 13 31-1158 EA Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE).....	249.40	
28 46 13 31-1159 EA Portable Fireman's Telephone Handset (Notifier FHS).....	149.08	
28 46 13 31-1160 EA Red, Fireman's Telephone Handset (Notifier FHS-F).....	173.06	
28 46 13 31-1161 EA Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R).....	429.73	24.01
28 46 13 31-1162 EA Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S).....	429.73	24.01
28 46 13 31-1163 EA Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ).....	69.42	7.20
28 46 13 31-1164 EA Paging Microphone Only (Notifier MIC-1).....	205.64	24.01
28 46 13 31-1165 EA Firefighter's Telephone Handset (Notifier TELH-1).....	170.61	
28 46 13 31-1166 EA Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1).....	516.06	24.01
28 46 13 31-1167 EA Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA).....	516.06	24.01
<b>28 46 13 31-1168 Amplifiers</b> (28 46 13 31-0973)		
28 46 13 31-1169 EA 30 Watt Audio Amplifier At 25 VRMS, 120 Volt AC (Notifier AA-30).....	997.34	24.01
28 46 13 31-1170 EA 100 Watt Audio Amplifier At 70.7 VRMS, 120 Volt AC, Tone Generator (Notifier AA-100).....	2,182.50	24.01
28 46 13 31-1171 EA 120 Watt Audio Amplifier At 25 VRMS, 120 Volt AC, Tone Generator (Notifier AA-120).....	2,119.93	24.01
28 46 13 31-1172 EA Audio Coupling Transformer (Notifier ACT-1).....	147.89	24.01
28 46 13 31-1173 EA Audio Coupling Transformer For DVC-AO (Notifier ACT-4).....	174.36	24.01
28 46 13 31-1174 EA Audio Coupling Transformer For DAA-5025 (Notifier ACT-25).....	174.36	24.01
28 46 13 31-1175 EA Audio Coupling Transformer For DAA-5070 (Notifier ACT-70).....	174.36	24.01
28 46 13 31-1176 EA 50 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5025).....	1,249.91	24.01
28 46 13 31-1177 EA 50 Watt, 70 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5070).....	1,292.52	24.01
28 46 13 31-1178 EA 75 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-7525).....	1,342.47	24.01
28 46 13 31-1179 EA Distributed Amplifier With Backup Capability (Notifier NFC-50/100DA).....	2,442.98	24.01
Note: Requires NFC-BDA-BU		
28 46 13 31-1180 EA 50 Watt, 25 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25V).....	492.48	24.01
Note: Requires NFC-BDA-BU		
28 46 13 31-1181 EA 50 Watt, 70 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70V).....	494.69	24.01
Note: Requires NFC-BDA-BU		
<b>28 46 13 31-1182 FireVoice-25/50 Emergency Voice Evacuation Control Panels</b> (28 46 13 31-0973)		
28 46 13 31-1183 EA 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50).....	4,709.45	480.20
28 46 13 31-1184 EA Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA).....	3,237.48	480.20
28 46 13 31-1185 EA Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS).....	4,294.69	480.20
28 46 13 31-1186 EA Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS).....	5,677.20	480.20
28 46 13 31-1187 EA Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST).....	6,311.53	480.20
<b>28 46 13 31-1188 System Printer</b> (28 46 13 31-0973)		
28 46 13 31-1189 EA 80 Column, 120 Volt AC, Desktop Printer (Notifier PRN-6).....	2,168.06	24.01
<b>28 46 13 31-1190 Batteries</b> (28 46 13 31-0973)		
28 46 13 31-1191 EA 5 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1250-BP).....	557.94	24.01
28 46 13 31-1192 EA 7 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1270-BP).....	459.51	24.01
28 46 13 31-1193 EA 12 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12120-BP).....	606.30	24.01
28 46 13 31-1194 EA 18 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12180-BP).....	351.23	24.01
28 46 13 31-1195 EA 26 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12260-BP).....	493.20	24.01
28 46 13 31-1196 EA 55 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-12550).....	492.00	24.01
28 46 13 31-1197 EA 100 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-121000).....	786.54	24.01
<b>28 46 13 31-1198 Battery Backboxes And Miscellaneous Mechanicals</b> (28 46 13 31-0973)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1199	EA		14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Backbox (Notifier BB-17).....	150.49	19.20
28 46 13 31-1200	EA		24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25) ..... Note: XP6 modules require a CHS-6.	255.70	19.20
28 46 13 31-1201	EA		15.6" x 15.5" x 5.152", Mounts Up To Two 26 Ampere Hours And Charger, Battery Backbox (Notifier BB-26).....	382.20	96.04
28 46 13 31-1202	EA		Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH).....	186.57	48.02
28 46 13 31-1203	EA		Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH1).....	108.67	12.00
28 46 13 31-1204	EA		Battery Bracket For Two 26 Ampere Hours Batteries (Notifier SEISKIT-BB25).....	317.04	19.20
28 46 13 31-1205	EA		Two 26 Ampere Hours Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB).....	202.85	19.20
28 46 13 31-1206	EA		Two 12 Ampere Hours Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA).....	225.85	19.20
28 46 13 31-1207	EA		Two 55 Ampere Hours Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB).....	241.02	19.20
28 46 13 31-1208	EA		Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For FIREVOICE 25/50 Series (Notifier SEISKIT-2550).....	360.43	19.20
28 46 13 31-1209	EA		Two 26 Ampere Hour Battery Bracket Seismic Kit For NFS-320 And BB-26 Series (Notifier SEISKIT-320/B26).....	211.66	19.20
28 46 13 31-1210	EA		Two 100 Ampere Hour Battery Bracket Seismic Kit For BB-100 And BB-200 Series (Notifier SEISKIT-BB100)..... Note: Two kits are required for the BB-200	301.70	19.20
28 46 13 31-1211	EA		Two 18 Ampere Hour Battery Bracket Seismic Kit For BB-17 Series (Notifier SEISKIT-BB17)..... Note: Two kits are required for the BB-200	260.59	19.20
28 46 13 31-1212	EA		Two 26 Ampere Hour Battery Bracket Seismic Kit For BB-25 Series (Notifier SEISKIT-BB25)..... Note: Two kits are required for the BB-200	266.47	19.20
28 46 13 31-1213	EA		Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For SFP-5UD, SFP-10UD, Firewarden 100-2, RP-2001, And RP-2002 Series (Notifier SEISKIT-COMMENC)..... Note: Two kits are required for the BB-200	232.21	19.20
28 46 13 31-1214	EA		Two 7 Or 12 Ampere Hour Battery Bracket Seismic Kit For FCPS-24S6/8, CAB-PS1, SFP-2402 And SFP-2404 Series (Notifier SEISKIT-PS/2/4)..... Note: Two kits are required for the BB-200	217.53	19.20
<b>28 46 13 31-1215 Power Supplies And Chargers</b> <small>(28 46 13 31-0973)</small>					
28 46 13 31-1216	EA		120 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610).....	1,084.38	36.01
28 46 13 31-1217	EA		220/240 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610E).....	1,137.27	36.01
28 46 13 31-1218	EA		Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24).....	1,526.75	24.01
28 46 13 31-1219	EA		6A Auxiliary Power Supply (Notifier APS-6R).....	979.99	24.01
28 46 13 31-1220	EA		10 Amperes Battery Charger (Notifier BC10A).....	1,005.75	36.01
28 46 13 31-1221	EA		33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100)..... Note: Holds four 55 ampere hour or two 100 ampere hour batteries	549.93	28.81
28 46 13 31-1222	EA		Red, 33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100R)..... Note: Holds four 55 ampere hour or two 100 ampere hour batteries	556.78	28.81
28 46 13 31-1223	EA		30.34" x 36.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS2-3030 (Notifier BB-200)..... Note: Holds four 55 ampere hour or four 100 ampere hour batteries	641.67	28.81
28 46 13 31-1224	EA		30.34" x 36.5" x 7.5", Holds Four 55 Ampere Hours Or Four 100 Ampere Hours Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R).....	641.67	28.81
28 46 13 31-1225	EA		15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1).....	188.96	24.01
28 46 13 31-1226	EA		25 To 120 Ampere Hours Battery Charger (Notifier CHG-120).....	1,175.42	24.01
28 46 13 31-1227	EA		Mounts XPIQ-Ps And/Or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS).....	84.69	12.00
28 46 13 31-1228	EA		Door Used For Mounting ACPS-610 (E) In A CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1).....	135.10	12.00
28 46 13 31-1229	EA		8 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8).....	777.16	24.01
28 46 13 31-1230	EA		8.0 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8E).....	652.44	72.03
28 46 13 31-1231	EA		Red, 8 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8R).....	625.26	72.03
28 46 13 31-1232	EA		8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8).....	720.03	72.03
28 46 13 31-1233	EA		8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8E).....	714.15	72.03
28 46 13 31-1234	EA		Chassis Mounted, 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CM).....	686.20	36.01
28 46 13 31-1235	EA		Chassis Mounted, 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CME).....	686.20	36.01
28 46 13 31-1236	EA		12 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12).....	848.56	36.01
28 46 13 31-1237	EA		12 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12E).....	811.09	36.01
28 46 13 31-1238	EA		12 Amperes, 24 Volt DC, 120 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CM).....	861.04	72.03
28 46 13 31-1239	EA		12 Amperes, 24 Volt DC, 220 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CME).....	861.04	72.03
28 46 13 31-1240	EA		6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6).....	612.03	72.03
28 46 13 31-1241	EA		6 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6E).....	612.03	72.03
28 46 13 31-1242	EA		8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8).....	659.05	72.03
28 46 13 31-1243	EA		8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8E).....	659.05	72.03
28 46 13 31-1244	EA		6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA).....	533.42	72.03
28 46 13 31-1245	EA		9 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA).....	625.26	72.03
28 46 13 31-1246	EA		Class A Adapter HPFF8/HPFF12 (Notifier HPP31076).....	133.47	12.00
28 46 13 31-1247	EA		Up To 3 Amperes, Main Power Supply And Charger (Notifier MPS-24A).....	1,430.53	24.01
28 46 13 31-1248	EA		Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4).....	187.00	24.01
28 46 13 31-1249	EA		240 Volt AC Addressable Power Supply (Notifier AMPS-24E).....	1,510.26	24.01
28 46 13 31-1250	EA		6 Amperes, 120 Volt AC Auxiliary Power Supply (Notifier APS2-6R).....	633.34	72.03
28 46 13 31-1251	EA		6 Amperes, 220-240 Volt AC Auxiliary Power Supply (Notifier APS2-6RE).....	659.05	72.03
28 46 13 31-1252	EA		25 To 75 Ampere Hour Sealed Lead Acid Battery Charger (Notifier CHG-75).....	588.72	24.01
28 46 13 31-1253	EA		6 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6E).....	611.30	72.03
28 46 13 31-1254	EA		6 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6R).....	597.34	72.03
<b>28 46 13 31-1255 Network Control Annunciators</b> <small>(28 46 13 31-0973)</small>					
28 46 13 31-1256	EA		Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2).....	2,129.34	72.03
28 46 13 31-1257	EA		Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO).....	78.14	14.41
28 46 13 31-1258	EA		Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit).....	55.28	14.41



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>28 46 13 31-1259</b>				<b>FIRSTVISION Firefighter's Display</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1260	EA			ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD) .....	16,359.22	480.20
<b>28 46 13 31-1261</b>				<b>FlashScan Addressable Modules</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1262	EA			Intelligent Addressable Control Module (Notifier FCM-1) .....	179.17	24.01
28 46 13 31-1263	EA			Addressable Dual Monitor Module (Notifier FDM-1) .....	200.83	24.01
28 46 13 31-1264	EA			Intelligent Addressable Monitor Module (Notifier FMM-1) .....	147.89	24.01
28 46 13 31-1265	EA			Intelligent Addressable Miniature Monitor Module (Notifier FMM-101) .....	131.04	24.01
28 46 13 31-1266	EA			Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20) .....	276.63	24.01
28 46 13 31-1267	EA			Intelligent Addressable Relay Module (Notifier FRM-1) .....	156.90	24.01
28 46 13 31-1268	EA			Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1) .....	227.30	24.01
28 46 13 31-1269	EA			SLC Loop Powered Fault Isolator Module (Notifier ISO-X) .....	145.48	24.01
<b>28 46 13 31-1270</b>				<b>Addressable Device Bases And Accessories</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1271	EA			Intelligent Detector Base With Flange (Notifier B710LP) .....	54.91	12.00
28 46 13 31-1272	EA			Weatherproof Device Housing (Notifier DH400OE-1) .....	470.34	24.01
28 46 13 31-1273	EA			Detector Base For All Wireless Smoke And Heat Detectors (Notifier B210W) .....	48.97	12.00
28 46 13 31-1274	EA			Swift AV Base Ceiling (Notifier WAV-CRL) .....	277.50	12.00
28 46 13 31-1275	EA			Swift AV Base Wall (Notifier WAV-RL) .....	277.50	12.00
<b>28 46 13 31-1276</b>				<b>XP6/XP10 Transponder</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1277	EA			Synchronization Daughter Module For XP6-C (Notifier SYNC-1) .....	130.44	24.01
28 46 13 31-1278	EA			Six Circuit Supervised Control Module (Notifier XP6-C) .....	678.50	24.01
28 46 13 31-1279	EA			Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA) .....	822.88	24.01
28 46 13 31-1280	EA			Six Relay Control Module (Notifier XP6-R) .....	652.03	24.01
28 46 13 31-1281	EA			Ten Input Monitor Module (Notifier XP10-M) .....	786.78	24.01
<b>28 46 13 31-1282</b>				<b>LCD Display Annunciators</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1283	EA			80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80) .....	859.96	72.03
28 46 13 31-1284	EA			80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80) .....	1,214.91	72.03
28 46 13 31-1285	EA			640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160) .....	1,258.22	72.03
28 46 13 31-1286	EA			8 To 16 Switch Smoke Control Expander (Notifier SCE-8) .....	795.78	24.01
28 46 13 31-1287	EA			8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L) .....	418.96	24.01
28 46 13 31-1288	EA			Eight Switch Smoke Control Master Module (Notifier SCS-8) .....	1,032.63	24.01
28 46 13 31-1289	EA			White, 80 Character Display, Remote LCD Annunciator (Notifier N-ANN-80-W) .....	443.80	72.03
<b>28 46 13 31-1290</b>				<b>ONYX ACM And AEM Series LED Annunciators</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1291	EA			Remote, Eight Form C Relay Module (Notifier ACM-8R) .....	453.22	24.01
28 46 13 31-1292	EA			16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT) .....	901.09	24.01
28 46 13 31-1293	EA			16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT) .....	688.12	24.01
28 46 13 31-1294	EA			24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT) .....	901.09	24.01
28 46 13 31-1295	EA			24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT) .....	688.12	24.01
28 46 13 31-1296	EA			32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A) .....	688.12	24.01
28 46 13 31-1297	EA			32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A) .....	615.93	24.01
28 46 13 31-1298	EA			48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A) .....	688.12	24.01
28 46 13 31-1299	EA			48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A) .....	615.93	24.01
<b>28 46 13 31-1300</b>				<b>Graphic Annunciator - Lamp Driver Modules</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1301	EA			Single Annunciator Flush Mounted Backbox (Notifier ABF-1B) .....	271.71	48.02
28 46 13 31-1302	EA			Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB) .....	296.97	48.02
28 46 13 31-1303	EA			Two Annunciator Flush Mounted Backbox (Notifier ABF-2B) .....	340.24	60.03
28 46 13 31-1304	EA			Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB) .....	372.72	60.03
28 46 13 31-1305	EA			Four Annunciator Flush Mounted Backbox (Notifier ABF-4B) .....	603.63	84.03
28 46 13 31-1306	EA			Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1) .....	107.62	14.41
28 46 13 31-1307	EA			Single Annunciator Surface Mounted Backbox (Notifier ABS-1B) .....	168.83	48.02
28 46 13 31-1308	EA			Single Annunciator Surface Mounted Backbox With Trim (Notifier ABS-1TB) .....	193.67	12.00
28 46 13 31-1309	EA			Two Annunciator Surface Mounted Backbox (Notifier ABS-2B) .....	215.16	48.02
28 46 13 31-1310	EA			12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D) .....	389.57	60.03
28 46 13 31-1311	EA			Red, Surface (Or Semi-Flush) Mounted Backbox For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR) .....	372.68	12.00
28 46 13 31-1312	EA			Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D) .....	636.11	84.03
28 46 13 31-1313	EA			Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4DR) .....	634.31	14.41
28 46 13 31-1314	EA			Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Backbox (Notifier ABS-8RB) .....	229.88	19.20
28 46 13 31-1315	EA			Annunciator Key Switch (Notifier AKS-1B) .....	97.85	7.20
28 46 13 31-1316	EA			Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D) .....	99.16	24.01
28 46 13 31-1317	EA			32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32) .....	615.93	24.01
28 46 13 31-1318	EA			24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24) .....	173.55	4.80
28 46 13 31-1319	EA			48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48) .....	217.59	4.80
28 46 13 31-1320	EA			32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32) .....	506.44	24.01
28 46 13 31-1321	EA			Lamp Driver Module (Notifier LDM-R32) .....	845.69	24.01
28 46 13 31-1322	EA			Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L) .....	784.03	24.01
28 46 13 31-1323	EA			48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48) .....	223.46	4.80
28 46 13 31-1324	EA			Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D) .....	198.62	14.41



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1325	EA		Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D).....	136.21	14.41
28 46 13 31-1326	EA		Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR).....	136.21	14.41
28 46 13 31-1327	EA		Graphic Annunciator Dress Plate (Notifier DP-GDIS1).....	189.81	14.41
28 46 13 31-1328	EA		Graphic Annunciator Dress Plate (Notifier DP-GDIS2).....	189.81	14.41
28 46 13 31-1329	EA		Input/Output Module For Driving Graphic Annunciators Or Relays (Notifier N-ANN-RLED).....	540.53	24.01
<b>28 46 13 31-1330</b>			<b>Network Gateways</b> (28 46 13 31-0973)		
28 46 13 31-1331	EA		Common Alerting Protocol Gateway (Notifier CAP-GW).....	2,325.44	24.01
28 46 13 31-1332	EA		Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF).....	1,731.84	24.01
28 46 13 31-1333	EA		Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF).....	1,950.76	24.01
28 46 13 31-1334	EA		Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF).....	2,149.12	24.01
28 46 13 31-1335	EA		Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W).....	1,747.27	24.01
28 46 13 31-1336	EA		Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Notifier HS-NCM-WMF).....	1,700.25	24.01
28 46 13 31-1337	EA		Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF).....	1,914.03	24.01
28 46 13 31-1338	EA		Modbus Gateway (Notifier MODBUS-GW).....	1,906.68	24.01
28 46 13 31-1339	EA		22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW).....	2,208.57	15.84
28 46 13 31-1340	EA		Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS).....	3,281.16	15.84
28 46 13 31-1341	EA		1920x1080P Wide Screen (Notifier MON-42LCDW).....	10,385.22	15.84
28 46 13 31-1342	EA		Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD).....	756.92	36.01
28 46 13 31-1343	EA		Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD).....	1,418.45	36.01
28 46 13 31-1344	EA		Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD).....	2,087.78	36.01
28 46 13 31-1345	EA		Mass Notification Voice Paging (Notifier NOTIFY-IP).....	869.83	
28 46 13 31-1346	EA		Embedded NFN Gateway (Notifier NFN-GW-EM).....	2,622.87	24.01
28 46 13 31-1347	EA		NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F).....	2,622.87	24.01
28 46 13 31-1348	EA		High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF).....	2,641.33	24.01
28 46 13 31-1349	EA		High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF).....	3,074.78	24.01
28 46 13 31-1350	EA		High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW).....	2,641.33	24.01
28 46 13 31-1351	EA		NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W).....	2,622.87	24.01
28 46 13 31-1352	EA		Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER).....	1,634.39	
28 46 13 31-1353	EA		ONYXWorks Workstation (Notifier ONYXWORKS-WS).....	19,804.34	576.25
28 46 13 31-1354	EA		Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW).....	6,418.33	
			Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
28 46 13 31-1355	EA		Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF).....	6,418.33	
			Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
28 46 13 31-1356	EA		Fiber Optics, Standard Network Repeater Board (Notifier RPT-F).....	812.06	24.01
28 46 13 31-1357	EA		Wire, Standard Network Repeater Board (Notifier RPT-W).....	662.92	24.01
28 46 13 31-1358	EA		Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF).....	787.08	24.01
28 46 13 31-1359	EA		Signaling Line Circuit Integration Module (Notifier SLC-IM).....	877.44	24.01
28 46 13 31-1360	EA		VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW).....	1,818.53	24.01
28 46 13 31-1361	EA		Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS).....	2,787.57	24.01
28 46 13 31-1362	EA		Windows Hard Drive Upgrade (Notifier WIN7-UG-US-3).....	3,113.12	
28 46 13 31-1363	EA		Intuitive Color 10" Touch Screen Providing Color Coded Information Of Detailed System Status (Notifier NCD).....	1,125.69	15.84
28 46 13 31-1364	EA		SWIFT Wireless Gateway With Flashscan (Notifier FWSG).....	464.02	24.01
<b>28 46 13 31-1365</b>			<b>NOTI-FIRE-NET Network Components</b> (28 46 13 31-0973)		
28 46 13 31-1366	EA		Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3).....	2,622.87	24.01
28 46 13 31-1367	EA		Fiber Optic Network Communications Module (Notifier NCM-F).....	1,163.39	24.01
28 46 13 31-1368	EA		NOTI-FIRE-NET Web Server (Notifier NWS).....	2,622.87	24.01
28 46 13 31-1369	EA		Wired Network Communications Module (Notifier NCM-W).....	1,108.04	24.01
28 46 13 31-1370	EA		Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit).....	124.85	12.00
<b>28 46 13 31-1371</b>			<b>FireWarden Addressable Fire Panels</b> (28 46 13 31-0973)		
28 46 13 31-1372	EA		50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50).....	2,109.47	480.20
28 46 13 31-1373	EA		Black, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100).....	2,536.60	480.20
28 46 13 31-1374	EA		Black, One DC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C).....	2,213.72	240.10
28 46 13 31-1375	EA		Black, One SLC Loop, 240 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E).....	2,213.72	240.10
28 46 13 31-1376	EA		Red, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R).....	2,204.91	240.10
28 46 13 31-1377	EA		Black, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, Built In Annunciator, 50 Point Addressable Fire Alarm Control Panel (Notifier NFW-50C).....	2,506.11	480.20
28 46 13 31-1378	EA		Red, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, 50 Point Addressable Fire Alarm Control Panel (NFW-50R).....	1,847.87	480.20
<b>28 46 13 31-1379</b>			<b>FireWarden Accessories</b> (28 46 13 31-0973)		
28 46 13 31-1380	EA		Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100).....	187.52	36.01
28 46 13 31-1381	EA		Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T).....	177.73	36.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>28 46 13 31-1382</b>	<b>FireWarden Devices (28 46 13 31-0973)</b>	
28 46 13 31-1383 EA SLC Loop Powered Fault Isolator Module (Notifier N100-ISO).....	144.28	24.01
28 46 13 31-1384 EA Intelligent Addressable Control Module (Notifier NC-100).....	173.15	24.01
28 46 13 31-1385 EA Intelligent Addressable Relay Module (Notifier NC-100R).....	165.93	24.01
28 46 13 31-1386 EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100).....	444.49	36.01
28 46 13 31-1387 EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R).....	542.08	36.01
28 46 13 31-1388 EA Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100).....	165.93	24.01
28 46 13 31-1389 EA Intelligent Addressable Thermal Detector With Base (Notifier NH-100).....	165.88	36.01
28 46 13 31-1390 EA Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H).....	165.88	36.01
28 46 13 31-1391 EA Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R).....	165.88	36.01
28 46 13 31-1392 EA Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100).....	228.45	36.01
28 46 13 31-1393 EA Intelligent Addressable Monitor Module (Notifier NMM-100).....	141.87	24.01
28 46 13 31-1394 EA Intelligent Addressable Mini Monitor Module (Notifier NMM-100P).....	128.03	24.01
28 46 13 31-1395 EA Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX).....	195.41	24.01
28 46 13 31-1396 EA Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100).....	174.30	36.01
28 46 13 31-1397 EA Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100).....	220.08	24.01
28 46 13 31-1398 EA Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6).....	803.63	24.01
<b>28 46 13 31-1399</b>	<b>SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories (28 46 13 31-0973)</b>	
28 46 13 31-1400 EA 120 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402).....	1,369.92	384.16
28 46 13 31-1401 EA 120 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404).....	1,525.13	384.16
28 46 13 31-1402 EA 240 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402E).....	931.28	120.05
28 46 13 31-1403 EA 240 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404E).....	1,048.08	120.05
28 46 13 31-1404 EA Class A Converter Module (Notifier CAC-4).....	373.94	24.01
28 46 13 31-1405 EA Internal Dress Plate, Required For FM And ULC (Notifier DP-4X).....	134.76	14.41
28 46 13 31-1406 EA Remote Zone Annunciator (Notifier RZA-4X).....	192.41	36.01
28 46 13 31-1407 EA Red, Dress Panel (Notifier DP-51050).....	163.39	14.41
28 46 13 31-1408 EA Black, Dress Panel (Notifier DP-51050B).....	165.34	14.41
<b>28 46 13 31-1409</b>	<b>SFP-5UD 5 Zone Control Panels And Accessories (28 46 13 31-0973)</b>	
28 46 13 31-1410 EA 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD).....	2,157.59	480.20
28 46 13 31-1411 EA 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC).....	3,806.59	360.15
28 46 13 31-1412 EA 240 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE).....	2,509.19	240.10
28 46 13 31-1413 EA Red, 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR).....	2,509.19	240.10
28 46 13 31-1414 EA Class A Converter Module (Notifier N-CAC-5X).....	387.64	24.01
28 46 13 31-1415 EA Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE).....	146.26	14.41
28 46 13 31-1416 EA Five Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-5UDC).....	2,793.11	360.15
Note: Includes internal dress panel with built-in annunciator module		
28 46 13 31-1417 EA 240 Volt AC, Five Zone Conventional Fire Control Panel With DACT And 3 Amperes Power Supply (Notifier SFP-5UDE).....	1,850.81	240.10
28 46 13 31-1418 EA Red, 120 Volt AC, Five Zone Conventional Fire Control Panel With DACT And 3 Amperes Power Supply (Notifier SFP-5UDR).....	1,835.38	240.10
<b>28 46 13 31-1419</b>	<b>SFP-10UD 10 Zone Control Panels And Accessories (28 46 13 31-0973)</b>	
28 46 13 31-1420 EA 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC).....	4,590.32	480.20
28 46 13 31-1421 EA 240 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE).....	3,431.46	360.15
28 46 13 31-1422 EA 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD).....	2,494.49	480.20
28 46 13 31-1423 EA Red, 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR).....	3,911.66	480.20
28 46 13 31-1424 EA Four Channel, Dual Line, Stand Alone Fire Alarm Communicator (Fire-Lite 411UDAC).....	659.03	72.03
28 46 13 31-1425 EA 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-10UDC).....	3,450.36	480.20
Note: Includes internal dress panel with built-in annunciator module		
28 46 13 31-1426 EA 240 Volt AC, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDE).....	2,574.92	360.15
28 46 13 31-1427 EA Red, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDR).....	3,036.75	480.20
<b>28 46 13 31-1428</b>	<b>Smoke Detectors (28 46 13 31-0973)</b>	
28 46 13 31-1429 EA Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851).....	245.29	36.01
28 46 13 31-1430 EA Intelligent Addressable Laser Smoke Detector (Notifier FSL-751).....	420.96	36.01
28 46 13 31-1431 EA Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D).....	1,373.21	36.01
28 46 13 31-1432 EA Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R).....	166.97	36.01
Note: For use with DNR(W) duct detector housing.		
28 46 13 31-1433 EA Filters For Harsh Detector (Notifier RF-FTX).....	20.21	
28 46 13 31-1434 EA Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY).....	147.58	24.01
28 46 13 31-1435 EA Addressable Beam Detector With Reflector, UL Listed (Notifier FS-OSI-RI).....	1,281.26	36.01
28 46 13 31-1436 EA Intelligent Addressable Photo Detector With Flashscan, White (Notifier FSP-951).....	174.06	36.01
28 46 13 31-1437 EA Intelligent Addressable Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951-IV).....	190.21	36.01
28 46 13 31-1438 EA Remote Test Capable Intelligent Photo Detector With Flashscan, White (Notifier FSP-951R).....	182.14	36.01
28 46 13 31-1439 EA Remote Test Capable Intelligent Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951R-IV).....	196.82	36.01
28 46 13 31-1440 EA Intelligent Addressable Photo/Thermal Detector With Flashscan, White (Notifier FSP-951T).....	183.12	36.01

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1441	EA		Intelligent Addressable Photo/Thermal Detector With Flashscan, Ivory (Notifier FSP-951T-IV).....	197.80	36.01
28 46 13 31-1442	EA		Intelligent Addressable 135 Degree Thermal Detector With Flashscan, White (Notifier FST-951).....	148.37	36.01
28 46 13 31-1443	EA		Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan (Notifier FST-951H).....	148.37	36.01
28 46 13 31-1444	EA		Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan And Clip, Ivory (Notifier FST-951H-IV).....	162.07	36.01
28 46 13 31-1445	EA		Intelligent Addressable 135 Degree Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951-IV).....	162.07	36.01
28 46 13 31-1446	EA		Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan, White (Notifier FST-951R).....	148.37	36.01
28 46 13 31-1447	EA		Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951R-IV).....	162.07	36.01
28 46 13 31-1448	EA		Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, White (Notifier FSV-951R).....	402.84	36.01
28 46 13 31-1449	EA		Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, Ivory (Notifier FSV-951R-IV).....	432.21	36.01
28 46 13 31-1450	EA		Wireless Photo-Heat Detector, Acclimate, With Flashscan (Notifier FWD-200ACCLIMATE).....	401.87	36.01
			Note: Requires B210W base, ordered separately		
28 46 13 31-1451	EA		Wireless Photo Detector With Flashscan (Notifier FWD-200P).....	369.57	36.01
			Note: Requires B210W base, ordered separately		
28 46 13 31-1452	EA		Wireless Fixed Temp Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200FIX135).....	335.31	36.01
			Note: Requires B210W base, ordered separately		
28 46 13 31-1453	EA		Wireless ROR Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200ROR135).....	335.31	36.01
			Note: Requires B210W base, ordered separately		
28 46 13 31-1454	EA		Intelligent Addressable Carbon Monoxide Detector With Flashscan (Notifier FPC-951).....	243.31	36.01
28 46 13 31-1455	EA		Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-250).....	1,965.22	36.01
			Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.		
28 46 13 31-1456	EA		Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-500).....	2,406.09	36.01
			Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.		
<b>28 46 13 31-1457</b>			<b>Pull Stations</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1458	EA		Trim Ring For NBG12 Series Pull Station (Notifier BG12TR).....	29.97	4.80
28 46 13 31-1459	EA		One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2).....	80.05	12.00
28 46 13 31-1460	EA		Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2R).....	64.73	12.00
28 46 13 31-1461	EA		Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1).....	101.72	24.01
28 46 13 31-1462	EA		DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F).....	113.40	24.01
28 46 13 31-1463	EA		Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS).....	159.31	24.01
28 46 13 31-1464	EA		Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R).....	101.72	24.01
28 46 13 31-1465	EA		Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS).....	118.84	24.01
28 46 13 31-1466	EA		Standard Local Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL).....	118.84	24.01
28 46 13 31-1467	EA		Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR).....	118.84	24.01
28 46 13 31-1468	EA		Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1).....	111.84	24.01
28 46 13 31-1469	EA		Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R).....	121.96	24.01
28 46 13 31-1470	EA		Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL).....	657.09	28.81
28 46 13 31-1471	EA		Red, Single Action Fire Alarm Pull Station (Notifier NBG-12S).....	84.33	24.01
28 46 13 31-1472	EA		Red, Dual Action Fire Alarm Pull Station (Notifier NBG-12).....	88.54	24.01
28 46 13 31-1473	EA		Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L).....	97.65	24.01
28 46 13 31-1474	EA		Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB).....	232.08	28.81
28 46 13 31-1475	EA		Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS).....	134.88	24.01
28 46 13 31-1476	EA		Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR).....	112.62	24.01
28 46 13 31-1477	EA		Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX).....	196.62	24.01
28 46 13 31-1478	EA		Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE).....	60.98	4.80
28 46 13 31-1479	EA		Dual Action, Wireless Pull Station (Notifier NBG-12WL).....	395.29	28.81
<b>28 46 13 31-1480</b>			<b>Rate Compensation Heat Detectors</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1481	EA		135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135).....	177.91	36.01
28 46 13 31-1482	EA		194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194).....	177.91	36.01
<b>28 46 13 31-1483</b>			<b>FM Series Door Releases</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1484	EA		1/2" Door Holder Spacer (Notifier FM900-50).....	28.85	7.20
28 46 13 31-1485	EA		3/4" Door Holder Spacer (Notifier FM900-75).....	28.85	7.20
28 46 13 31-1486	EA		1" Door Holder Spacer (Notifier FM900-100).....	28.85	7.20
28 46 13 31-1487	EA		Door Holder Extension Kit (Notifier FM900).....	30.65	7.20
28 46 13 31-1488	EA		90 Degree Door Holder Extension Kit (Notifier FM900-Z).....	31.25	7.20
28 46 13 31-1489	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mounted, Door Holder (Notifier FM980).....	217.62	36.01
28 46 13 31-1490	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mounted, Door Holder (Notifier FM996).....	187.54	36.01
28 46 13 31-1491	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mounted, Concealed Wiring, Door Holder (Notifier FM998).....	187.54	36.01
<b>28 46 13 31-1492</b>			<b>Multicriteria Fire Detector</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1493	EA		Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851).....	292.25	36.01
28 46 13 31-1494	EA		Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851).....	291.27	36.01
			Note: Detects fire, thermal, photo, CO and IR, with Flashscan.		
28 46 13 31-1495	EA		Multi-Criteria Photo/Temp/Infrared Detector, White (Notifier FPTI-951).....	187.52	36.01
28 46 13 31-1496	EA		Multi-Criteria Photo/Temp/Infrared Detector, Ivory (Notifier FPTI-951-IV).....	194.37	36.01
28 46 13 31-1497	EA		Intelligent Addressable Combination Multi-Criteria Photoelectric And Carbon Monoxide Detector With Flashscan (Notifier FSCO-951).....	292.25	36.01
<b>28 46 13 31-1498</b>			<b>Modules</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1499	EA		Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1).....	352.41	24.01



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1500	EA		Addressable Firephone Control Module (Notifier FTM-1).....	216.36	24.01
28 46 13 31-1501	EA		Wireless Monitor Module With Flashscan (Notifier FW-MM).....	340.66	24.01
28 46 13 31-1502	EA		Wireless Relay Module With Flashscan (Notifier FW-RM).....	394.49	24.01
28 46 13 31-1503	EA		Wireless Sync Module (Notifier W-SYNC).....	314.70	24.01
<b>28 46 13 31-1504 DH Series Door Releases (28 46 13 31-0973)</b>					
28 46 13 31-1505	EA		Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC).....	177.49	36.01
28 46 13 31-1506	EA		Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB).....	189.48	36.01
28 46 13 31-1507	EA		Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD).....	200.73	36.01
28 46 13 31-1508	EA		Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC).....	197.80	36.01
28 46 13 31-1509	EA		Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB).....	207.59	36.01
28 46 13 31-1510	EA		Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD).....	215.90	36.01
28 46 13 31-1511	EA		Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC).....	177.49	36.01
28 46 13 31-1512	EA		Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB).....	188.01	36.01
28 46 13 31-1513	EA		Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD).....	200.73	36.01
28 46 13 31-1514	EA		Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1).....	227.65	36.01
28 46 13 31-1515	EA		Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1).....	243.31	36.01
28 46 13 31-1516	EA		Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1).....	261.42	36.01
28 46 13 31-1517	EA		Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2).....	265.82	36.01
28 46 13 31-1518	EA		Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2).....	284.42	36.01
28 46 13 31-1519	EA		Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2).....	306.93	36.01
28 46 13 31-1520	EA		0.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC).....	20.33	4.80
28 46 13 31-1521	EA		0.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B).....	20.33	4.80
28 46 13 31-1522	EA		0.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D).....	22.33	4.80
28 46 13 31-1523	EA		1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC).....	20.33	4.80
28 46 13 31-1524	EA		1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B).....	20.33	4.80
28 46 13 31-1525	EA		1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D).....	22.33	4.80
28 46 13 31-1526	EA		1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC).....	21.35	4.80
28 46 13 31-1527	EA		1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC).....	21.35	4.80
28 46 13 31-1528	EA		1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B).....	22.33	4.80
28 46 13 31-1529	EA		1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D).....	23.46	4.80
28 46 13 31-1530	EA		2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC).....	23.46	4.80
28 46 13 31-1531	EA		2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC).....	23.46	4.80
28 46 13 31-1532	EA		2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B).....	24.49	4.80
28 46 13 31-1533	EA		2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D).....	24.49	4.80
28 46 13 31-1534	EA		3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC).....	24.49	4.80
28 46 13 31-1535	EA		3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B).....	25.61	4.80
28 46 13 31-1536	EA		3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D).....	25.61	4.80
28 46 13 31-1537	EA		4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC).....	26.64	4.80
28 46 13 31-1538	EA		4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC).....	26.64	4.80
28 46 13 31-1539	EA		4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB).....	27.77	4.80
28 46 13 31-1540	EA		4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD).....	30.95	4.80
28 46 13 31-1541	EA		5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC).....	29.87	4.80
28 46 13 31-1542	EA		5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B).....	28.79	4.80
28 46 13 31-1543	EA		5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D).....	30.95	4.80
28 46 13 31-1544	EA		Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCP).....	28.26	7.20
28 46 13 31-1545	EA		Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB).....	29.29	7.20
28 46 13 31-1546	EA		Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD).....	32.57	7.20
28 46 13 31-1547	EA		Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC).....	53.85	7.20
28 46 13 31-1548	EA		Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB).....	56.99	7.20
28 46 13 31-1549	EA		Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD).....	60.12	7.20
28 46 13 31-1550	EA		Surface Mounted Backbox, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBPC).....	48.48	12.00
28 46 13 31-1551	EA		Surface Mounted Backbox, Plated Brass For Electromagnetic Door Holder (Notifier DHBBC).....	50.63	12.00
28 46 13 31-1552	EA		Surface Mounted Backbox, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD).....	54.94	12.00
28 46 13 31-1553	EA		Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF).....	302.43	
<b>28 46 13 31-1554 First Command (28 46 13 31-0973)</b>					
28 46 13 31-1555	EA		Black, 120 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100).....	4,803.33	600.25
28 46 13 31-1556	EA		Black, 220-240 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E).....	4,847.40	600.25
28 46 13 31-1557	EA		Black, 120 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA).....	1,263.94	48.02
28 46 13 31-1558	EA		Black, 220-240 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE).....	1,297.00	48.02
28 46 13 31-1559	EA		Black, 120 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA).....	2,293.19	48.02
28 46 13 31-1560	EA		Black, , 220-240 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE).....	2,366.65	48.02
28 46 13 31-1561	EA		50 Watt, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt).....	865.21	24.01
28 46 13 31-1562	EA		50 Watt, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt).....	865.21	24.01
28 46 13 31-1563	EA		Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4).....	443.43	24.01
28 46 13 31-1564	EA		Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6).....	480.73	24.01
28 46 13 31-1565	EA		Standalone Firefighter Telephone System (Notifier NFC-FFT).....	1,701.80	48.02

Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1566 EA Local Operator Console (Notifier NFC-LOC) .....	1,666.53	48.02
Note: Includes built-in microphone, message and zone control switches, black.		
28 46 13 31-1567 EA Black, Remote Microphone (Notifier NFC-RM) .....	479.79	
28 46 13 31-1568 EA Remote Page Unit (Notifier NFC-RPU) .....	1,413.08	48.02
Note: Includes built-in microphone, message control switches, black.		
28 46 13 31-1569 EA 70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V) .....	334.79	24.01
28 46 13 31-1570 EA Firefighters Phone Jack (Notifier N-FPJ) .....	153.88	7.20
28 46 13 31-1571 EA Thumbswitch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH) .....	41.42	7.20
28 46 13 31-1572 EA Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B).....	135.74	14.41
<b>28 46 13 31-1573 LED Displays</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1574 EA 2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215).....	1,315.34	28.81
28 46 13 31-1575 EA Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW) .....	1,848.07	38.42
28 46 13 31-1576 EA 4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT).....	1,869.38	38.42
28 46 13 31-1577 EA 8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8) .....	1,795.91	38.42
28 46 13 31-1578 EA 16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16) .....	2,508.52	38.42
28 46 13 31-1579 EA LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V) .....	1,906.11	38.42
<b>28 46 13 31-1580 Control Relays</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1581 EA Single SPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-101/CR) .....	65.80	12.00
28 46 13 31-1582 EA Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T) .....	49.26	12.00
28 46 13 31-1583 EA Four Position SPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-104/CR) .....	182.60	24.01
28 46 13 31-1584 EA Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T) .....	102.55	12.00
28 46 13 31-1585 EA Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T).....	122.86	12.00
28 46 13 31-1586 EA 24 Volt DC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C).....	187.98	24.01
28 46 13 31-1587 EA 120 Volt AC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C).....	187.98	24.01
28 46 13 31-1588 EA Single DPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-201/CR) .....	93.04	24.01
28 46 13 31-1589 EA Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T) .....	53.57	12.00
28 46 13 31-1590 EA Four Position DPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-204/CR) .....	200.21	24.01
28 46 13 31-1591 EA 24 Volt DC / 24 Volt AC / 115 Volt AC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-1) .....	65.83	24.01
28 46 13 31-1592 EA 12/24 Volt DC, 7 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-2) .....	65.83	24.01
28 46 13 31-1593 EA 9 To 40 Volt DC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-4) .....	65.83	24.01
<b>28 46 13 31-1594 Gamewell-FCI Fire Control Instruments</b> <small>(28 46 13 31-0973)</small>		
<b>28 46 13 31-1595 7100 Series And NetSOLO®</b> <small>(28 46 13 31-1594)</small>		
<b>28 46 13 31-1596 7100 Compact Analog Addressable Fire Alarm Control Panels</b> <small>(28 46 13 31-1595)</small>		
28 46 13 31-1597 EA Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M) .....	962.09	288.12
28 46 13 31-1598 EA Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2) .....	4,286.44	480.20
28 46 13 31-1599 EA Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D).....	4,735.53	480.20
28 46 13 31-1600 EA Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E).....	4,286.44	480.20
28 46 13 31-1601 EA Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E).....	4,735.53	480.20
28 46 13 31-1602 EA Removal And Replacement Of Board For 7100-1D (Gamewell-FCI BSM-7100-1).....	1,479.68	
28 46 13 31-1603 EA Removal And Replacement Of Board For 7100-2 (Gamewell-FCI BSM-7100-1D).....	1,780.12	
28 46 13 31-1604 EA Analog Loop Unit (Gamewell-FCI ALU) .....	1,780.12	48.02
<b>28 46 13 31-1605 NetSOLO® Intelligent Network</b> <small>(28 46 13 31-1595)</small>		
28 46 13 31-1606 EA Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO) .....	1,977.79	48.02
Note: Mounted in 7100 panel.		
28 46 13 31-1607 EA Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP) .....	1,565.07	48.02
Note: Mounted in 7100 panel.		
<b>28 46 13 31-1608 Components And Accessories</b> <small>(28 46 13 31-1595)</small>		
28 46 13 31-1609 EA Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100).....	967.05	36.01
28 46 13 31-1610 EA Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100) .....	722.23	48.02
28 46 13 31-1611 EA Fiber Optic Line Driver Module (Gamewell-FCI FLD-1) .....	1,350.01	48.02
28 46 13 31-1612 EA Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM).....	526.15	48.02
28 46 13 31-1613 EA Enclosure Box (Gamewell-FCI EN-7100) .....	392.92	96.04
28 46 13 31-1614 EA Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2).....	1,426.91	24.01
<b>28 46 13 31-1615 E3 Series® Basic System</b> <small>(28 46 13 31-1594)</small>		
28 46 13 31-1616 EA Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3).....	1,267.78	48.02
28 46 13 31-1617 EA Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3).....	1,081.83	48.02
28 46 13 31-1618 EA Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3) .....	1,267.78	48.02
28 46 13 31-1619 EA Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3).....	1,081.83	48.02
28 46 13 31-1620 EA LCD Keypad Display (Gamewell-FCI LCD-E3) .....	814.02	48.02
28 46 13 31-1621 EA Power Supply Module (Gamewell-FCI PM-9) .....	1,075.30	48.02
28 46 13 31-1622 EA Transponder 9 Amperes Power Supply (Gamewell-FCI PM-9 INX).....	900.55	48.02
28 46 13 31-1623 EA Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A).....	905.47	24.01
28 46 13 31-1624 EA Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3) .....	498.94	48.02
28 46 13 31-1625 EA Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO).....	1,387.40	48.02





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1626 EA Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP) .....	1,157.53	48.02
28 46 13 31-1627 EA Local Operating Console (Gamewell-FCI 1100-0455) .....	770.22	36.01
28 46 13 31-1628 EA Network Graphic Annunciator (Gamewell-FCI 1100-0505) .....	2,532.88	36.01
28 46 13 31-1629 EA 70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70) .....	984.10	48.02
28 46 13 31-1630 EA INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326) .....	3,060.72	48.02
28 46 13 31-1631 EA 8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1) .....	654.06	96.04
28 46 13 31-1632 EA C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC) .....	465.68	96.04
28 46 13 31-1633 EA Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP) .....	100.35	24.01
28 46 13 31-1634 EA Programmable Switch Module (Gamewell-FCI ASM-16) .....	681.02	48.02
28 46 13 31-1635 EA LED Driver module (Gamewell-FCI ANU-48) .....	681.02	48.02
28 46 13 31-1636 EA Network Graphic Annunciator (Gamewell-FCI NGA) .....	2,120.11	36.01
<b>28 46 13 31-1637</b> <b>Addressable Devices, Module, Pulls And Accessories</b> <small>(28 46 13 31-1594)</small>		
<b>28 46 13 31-1638</b> <b>Velociti® Series Sensors And Bases</b> <small>(28 46 13 31-1637)</small>		
28 46 13 31-1639 EA Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F) .....	201.70	36.01
28 46 13 31-1640 EA Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F) .....	206.44	36.01
28 46 13 31-1641 EA Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F) .....	220.67	36.01
28 46 13 31-1642 EA Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F) .....	163.75	36.01
28 46 13 31-1643 EA Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F) .....	171.65	36.01
28 46 13 31-1644 EA Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F) .....	163.75	36.01
28 46 13 31-1645 EA Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F) .....	253.88	36.01
28 46 13 31-1646 EA Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS) .....	585.95	36.01
28 46 13 31-1647 EA Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF) .....	475.84	60.03
28 46 13 31-1648 EA Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF) .....	539.09	60.03
28 46 13 31-1649 EA Removal And Replacement Of Duct Detector Board (Gamewell-FCI ADP-F-SB) .....	241.81	
28 46 13 31-1650 EA Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF) .....	49.31	12.00
28 46 13 31-1651 EA Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F) .....	933.39	36.01
28 46 13 31-1652 EA Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF) .....	122.84	12.00
28 46 13 31-1653 EA Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F) .....	2,278.82	72.03
<b>28 46 13 31-1654</b> <b>Velociti® Series Modules And Pull Station</b> <small>(28 46 13 31-1637)</small>		
28 46 13 31-1655 EA Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2F) .....	148.43	24.01
28 46 13 31-1656 EA Dual Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2IF) .....	248.85	24.01
28 46 13 31-1657 EA Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4F) .....	164.25	24.01
28 46 13 31-1658 EA Subloop Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4SF) .....	237.78	24.01
28 46 13 31-1659 EA Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF) .....	195.87	24.01
28 46 13 31-1660 EA Addressable Output Supervised Module (Gamewell-FCI AOM-2SF) .....	203.78	24.01
28 46 13 31-1661 EA Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF) .....	275.52	48.02
28 46 13 31-1662 EA Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF) .....	210.89	24.01
28 46 13 31-1663 EA Telephone Filters (Gamewell-FCI AOM-TEL-FL) .....	33.33	4.80
<b>28 46 13 31-1664</b> <b>Components And Accessories</b> <small>(28 46 13 31-1637)</small>		
28 46 13 31-1665 EA Remote LED Annunciator Alarm (Gamewell-FCI RA400Z) .....	77.95	19.20
Note: Mounts on single gang box.		
28 46 13 31-1666 EA Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5) .....	38.97	9.61
28 46 13 31-1667 EA >2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3) .....	42.13	9.61
28 46 13 31-1668 EA >4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5) .....	50.10	12.00
28 46 13 31-1669 EA >8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10) .....	84.16	14.41
28 46 13 31-1670 EA Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451) .....	126.97	19.20
Note: Mounts on single gang box.		
<b>28 46 13 31-1671</b> <b>Fixed And Rate of Rise Heat Detectors</b> <small>(28 46 13 31-1637)</small>		
28 46 13 31-1672 EA 135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P) .....	98.91	36.01
28 46 13 31-1673 EA 194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602) .....	98.91	36.01
28 46 13 31-1674 EA 135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603) .....	95.23	36.01
28 46 13 31-1675 EA 194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604) .....	95.23	36.01
<b>28 46 13 31-1676</b> <b>NAC Expander/Power Supply</b> <small>(28 46 13 31-1637)</small>		
28 46 13 31-1677 EA FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amperes, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8) .....	1,906.86	384.16
28 46 13 31-1678 EA 6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6) .....	1,606.41	384.16
28 46 13 31-1679 EA 9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9) .....	1,756.63	384.16
<b>28 46 13 31-1680</b> <b>Batteries And Accessories</b> <small>(28 46 13 31-1594)</small>		
28 46 13 31-1681 EA B-17R, 12 Volt DC, 17 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A) .....	320.00	24.01
28 46 13 31-1682 EA B-55R, 12 Volt DC, 55 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A) .....	835.51	24.01
28 46 13 31-1683 EA B-7R, 12 Volt DC, 7 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A) .....	161.87	24.01
28 46 13 31-1684 EA BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653) .....	382.26	48.02
28 46 13 31-1685 EA BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654) .....	382.26	48.02
28 46 13 31-1686 EA 12" High x 12" Wide x 24" Length Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970) .....	336.40	48.02


 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1687			<b>Electronic Door Holders</b> (28 46 13 31-1594) Note: Rixson products.		
28 46 13 31-1688	EA		XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000) .....	56.10	4.80
28 46 13 31-1689	EA		FM-980, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Door Holder(Gamewell-FCI 140-90000) .....	451.54	36.01
28 46 13 31-1690	EA		FM-981, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Holder For Double Doors (Gamewell-FCI 140-90001) .....	623.90	36.01
28 46 13 31-1691	EA		FM-990, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Low Profile Mount Door Holder (Gamewell-FCI 140-90002) .....	279.81	36.01
28 46 13 31-1692	EA		FM-996, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mount Door Holder (Gamewell-FCI 140-90003) .....	265.58	36.01
28 46 13 31-1693	EA		FM-997, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder (Gamewell-FCI 140-90004) .....	279.81	36.01
28 46 13 31-1694	EA		FM-998, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder With Concealed Wiring (Gamewell-FCI 140-90005) .....	279.18	36.01
28 46 13 31-1695			<b>SpectrAlert® Advance Wall Mount 2-Wire Horn/Strobes</b> (28 46 13 31-1594) See CSI section 28 46 13 31-1953 for devices.		
28 46 13 31-1696			<b>SpectrAlert® Advance Accessories</b> (28 46 13 31-1594) See CSI section 28 46 13 31-1953 for backboxes, 28 46 13 31-2322 for backboxes.		
28 46 13 31-1697			<b>Fire Alarm Programming</b> (28 46 13 31-1594) Note: For device replacement projects only. Tasks not to be used on projects where a fire alarm panel is replaced.		
28 46 13 31-1698	EA		Program And Test Up To 5 Fire Alarm Devices .....	500.00	
28 46 13 31-1699	EA		Program And Test >5 To 20 Fire Alarm Devices .....	1,000.00	
28 46 13 31-1700	EA		Program And Test >20 To 50 Fire Alarm Devices .....	2,000.00	
28 46 13 31-1701			<b>Fire-Lite Fire Alarm</b> (28 46 13 31-0972)		
28 46 13 31-1702			<b>Addressable Control Panels</b> (28 46 13 31-1701)		
28 46 13 31-1703	EA		25 Point Intelligent Control (Fire Lite MS-25) .....	1,870.39	480.20
28 46 13 31-1704	EA		50 Point Intelligent Control (Fire Lite MS-9050UD) .....	2,091.79	480.20
28 46 13 31-1705	EA		198-Point Intelligent Control (Fire Lite MS-9200UDLS) .....	2,913.24	480.20
28 46 13 31-1706	EA		636-Point Intelligent Control (Fire Lite MS-9600LS) .....	4,364.35	480.20
28 46 13 31-1707	EA		636-Point Intelligent Control (Fire Lite MS-9600UDLS) .....	4,153.11	480.20
28 46 13 31-1708	EA		IP And 4G Cellur Fire Alram Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G) .....	636.17	
28 46 13 31-1709			<b>Silent Knight Fire Alarm</b> (28 46 13 31-0972)		
28 46 13 31-1710	EA		Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS) .....	5,433.39	240.10
28 46 13 31-1711	EA		Supervised Remote Command Unit (Silent Knight EVS-RCU) .....	2,214.86	144.06
28 46 13 31-1712	EA		50 Watt Amplifier (Silent Knight EVS-50W) .....	1,557.62	96.04
28 46 13 31-1713	EA		125 Watt Amplifier (Silent Knight EVS-125W) .....	2,841.35	96.04
28 46 13 31-1714	EA		Voice Evacuation System (Silent Knight SKE-450) .....	2,714.12	96.04
28 46 13 31-1715	EA		Fire Fighters Telephone (Silent Knight SK-FFT) .....	2,236.97	96.04
28 46 13 31-1716	EA		Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL) .....	2,248.93	144.06
28 46 13 31-1717	EA		Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808) .....	1,682.57	96.04
28 46 13 31-1718	EA		Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700) .....	1,265.78	96.04
28 46 13 31-1719	EA		Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600) .....	1,079.54	96.04
28 46 13 31-1720	EA		Combination Fire And CO Detector (Silent Knight SK-FIRE-CO) .....	339.59	36.01
28 46 13 31-1721	EA		Photoelectric Detector (Silent Knight SK-PHOTO) .....	179.74	36.01
28 46 13 31-1722	EA		Photoelectric Thermal Detector (Silent Knight SK-PHOTO-T) .....	190.86	36.01
28 46 13 31-1723	EA		Ionization Smoke Detector (Silent Knight SK-ION) .....	192.12	36.01
28 46 13 31-1724	EA		135 Degree Fixed Temperature Detector (Silent Knight SK-HEAT) .....	163.36	36.01
28 46 13 31-1725	EA		190 Degree Fixed Temperature Detector (Silent Knight SK-HEAT-HT) .....	173.52	36.01
28 46 13 31-1726	EA		135 Degree Fixed Temperature Rate-of-Rise Detector (Silent Knight SK-HEAT-ROR) .....	177.27	36.01
28 46 13 31-1727	EA		Sounder Base (Silent Knight B200SR) .....	115.59	12.00
28 46 13 31-1728	EA		Intelligent Sounder Base (Silent Knight B200S) .....	123.03	12.00
28 46 13 31-1729	EA		Isolator Base (Silent Knight B224BI) .....	94.58	12.00
28 46 13 31-1730	EA		Relay Base (Silent Knight B224RB) .....	95.80	12.00
28 46 13 31-1731	EA		Multi-Criteria Photoelectric Detector With Thermal Sensing (Silent Knight SK-ACCLIMATE) .....	196.00	36.01
28 46 13 31-1732	EA		Photoelectric Duct Detector (Silent Knight SK-DUCT) .....	334.94	36.01
28 46 13 31-1733	EA		Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM) .....	1,262.60	36.01
28 46 13 31-1734	EA		Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM-T) .....	1,446.63	36.01
28 46 13 31-1735	EA		Dual Monitor Module (Silent Knight SK-MONITOR-2) .....	238.91	36.01
28 46 13 31-1736	EA		Supervised Control Module (Silent Knight SK-CONTROL) .....	193.61	36.01
28 46 13 31-1737	EA		Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6) .....	716.80	48.02
28 46 13 31-1738	EA		Relay Control Module (Silent Knight SK-RELAY) .....	171.99	24.01
28 46 13 31-1739	EA		Six Relay Control Module (Silent Knight SK-RELAY-6) .....	691.50	48.02
28 46 13 31-1740	EA		Zone Interface Module (Silent Knight SK-ZONE) .....	198.38	36.01
28 46 13 31-1741	EA		Six Zone Interface Module (Silent Knight SK-ZONE-6) .....	836.35	48.02
28 46 13 31-1742	EA		Monitor Module (Silent Knight SK-MONITOR) .....	166.10	36.01
28 46 13 31-1743	EA		10 Input Monitor Module (Silent Knight SK-MON-10) .....	808.77	48.02
28 46 13 31-1744	EA		Monitor Module (Silent Knight SK-MINIMON) .....	152.51	36.01
28 46 13 31-1745	EA		Fault Isolator Module (Silent Knight SK-ISO) .....	173.52	36.01
28 46 13 31-1746	EA		Addressable Heat Sensor (Silent Knight SD505-AHS) .....	169.83	36.01
28 46 13 31-1747	EA		Analog Ionization Smoke Detector (Silent Knight SD505-AIS) .....	187.37	36.01
28 46 13 31-1748	EA		Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS) .....	173.52	36.01
28 46 13 31-1749	EA		6" Addressable Sounder Base (Silent Knight SD505-6SB) .....	144.10	12.00
28 46 13 31-1750	EA		6" Addressable Relay Base (Silent Knight SD505-6RB) .....	135.41	12.00
28 46 13 31-1751	EA		6" Isolator Base (Silent Knight SD505-6IB) .....	121.81	12.00



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1752	EA		Addressable Input Module (Silent Knight SD500-AIM) .....	172.30	36.01
28 46 13 31-1753	EA		Addressable Notification Module (Silent Knight SD500-ANM) .....	219.83	36.01
28 46 13 31-1754	EA		Addressable Relay Module (Silent Knight SD500-ARM) .....	193.61	36.01
28 46 13 31-1755	EA		SLC Annunciator Driver Module (Silent Knight SD500-LED) .....	813.10	72.03
28 46 13 31-1756	EA		Loop Isolation Module (Silent Knight SD500-LIM) .....	180.96	36.01
28 46 13 31-1757	EA		Addressable Mini Input Module (Silent Knight SD500-MIM) .....	145.82	24.01
28 46 13 31-1758	EA		Single Action Addressable Pull Station (Silent Knight SD500-PS) .....	193.45	24.01
28 46 13 31-1759	EA		Dual Action Addressable Pull Station (Silent Knight SD500-PSDA) .....	183.91	24.01
28 46 13 31-1760	EA		Back Box (Silent Knight SK-PSSMBB) .....	78.34	19.20
28 46 13 31-1761	EA		Smoke Detector Module (Silent Knight SD500-SDM) .....	205.52	36.01
28 46 13 31-1762	EA		Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB) .....	46.64	12.00
28 46 13 31-1763	EA		Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB) .....	46.64	12.00
28 46 13 31-1764	EA		Addressable Duct Housing (Silent Knight SD505-DUCT) .....	351.24	36.01
28 46 13 31-1765	EA		Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR) .....	465.24	36.01
28 46 13 31-1766	EA		Addressable Duct Detector Test Switch (Silent Knight SD505-DTS) .....	178.48	36.01
28 46 13 31-1767	EA		Intelligent Power Module (Silent Knight 5895XL) .....	1,178.40	96.04
28 46 13 31-1768	EA		Addressable Power Supply (Silent Knight 5496) .....	817.70	72.03
28 46 13 31-1769	EA		Relay Interface Board (Silent Knight 5883) .....	315.58	24.01
28 46 13 31-1770	EA		Remote LED Annunciator (Silent Knight 5865-3) .....	650.11	48.02
28 46 13 31-1771	EA		Remote LED Annunciator (Silent Knight 5865-4) .....	741.66	48.02
28 46 13 31-1772	EA		Remote LCD Annunciator (Silent Knight SK-5860) .....	682.04	72.03
28 46 13 31-1773	EA		Serial/Parallel Printer Interface (Silent Knight 5824) .....	459.85	24.01
28 46 13 31-1774	EA		LED Input/Output Module (Silent Knight / IntelliKnight 5880) .....	534.13	36.01
28 46 13 31-1775	EA		Addressable Pull Station (Silent Knight SK-Pull-DA/SA) .....	183.91	24.01
28 46 13 31-1776	EA		Digital Fire Communicator with Cabinet (Silent Knight SK-5104) .....	649.85	72.03
28 46 13 31-1777	EA		Communicator (Silent Knight IPGSM-4G) .....	1,006.65	48.02
28 46 13 31-1778	EA		Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208) .....	1,575.79	96.04
28 46 13 31-1779	EA		10 Zone Expander (Silent Knight SK-5217) .....	443.57	24.01
28 46 13 31-1780	EA		Remote Annunciator (Silent Knight SK-5235) .....	426.43	48.02
28 46 13 31-1781	EA		Status Display Module (Silent Knight 5280) .....	116.12	24.01
28 46 13 31-1782	EA		Serial/Parallel Module (Silent Knight 5824) .....	507.87	48.02
28 46 13 31-1783	EA		Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4) .....	865.73	96.04
28 46 13 31-1784	EA		Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E) .....	884.11	96.04
28 46 13 31-1785	EA		Dress Panel (Silent Knight SK-DP2/4) .....	159.42	24.01
28 46 13 31-1786	EA		Class A Convertor (Silent Knight SK-CAC4) .....	435.00	36.01
28 46 13 31-1787	EA		Transmitter Module (Silent Knight SK-4XTM) .....	217.46	36.01
28 46 13 31-1788	EA		LED Interface Module (Silent Knight SK-4XLM) .....	198.38	36.01
28 46 13 31-1789	EA		110 Volt AC, 3-6 Amperes, Transformer (Silent Knight SK-XRM24) .....	212.51	24.01
28 46 13 31-1790	EA		Remote Annunciator (Silent Knight SK-RZA4) .....	198.38	36.01
28 46 13 31-1791	EA		Zone Relay Module (Silent Knight SK-4XZM) .....	215.06	36.01
28 46 13 31-1792	EA		Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2) .....	739.27	96.04
28 46 13 31-1793	EA		Remote Battery Box Accessory Cabinet (Silent Knight RBB) .....	183.91	24.01
28 46 13 31-1794	EA		Manual Pull Station (single action) (Silent Knight PS-SATK) .....	94.18	24.01
28 46 13 31-1795	EA		Manual Pull Station (dual action) (Silent Knight PS-DATK) .....	103.39	24.01
28 46 13 31-1796	EA		Manual Pull Station (dual action) (Silent Knight PS-DA) .....	100.80	24.01
28 46 13 31-1797	EA		Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH) .....	88.17	24.01
28 46 13 31-1798	EA		Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB) .....	214.96	28.81
28 46 13 31-1799	EA		6 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5495) .....	764.82	72.03
28 46 13 31-1800	EA		9 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5499) .....	865.98	72.03
28 46 13 31-1801	EA		Detector (Silent Knight IDP-PhotoR) .....	264.99	36.01
28 46 13 31-1802	EA		Monitoring Module (Silent Knight IDP) .....	265.16	36.01
28 46 13 31-1803	EA		Cabinet (Silent Knight SK-5207) .....	347.18	72.03
28 46 13 31-1804	EA		Innovair IDP-Product (Silent Knight Innovair IDP-Pduct) .....	555.82	24.01
28 46 13 31-1805	EA		I/O Input-Output Module (Silent Knight SK-2880) .....	758.94	24.01
28 46 13 31-1806	EA		Remote Annunciator (Silent Knight RA-2000) .....	2,175.26	72.03
28 46 13 31-1807	EA		Power Supply (Silent Knight 5195/96) .....	1,368.30	24.01
28 46 13 31-1808	EA		8 Zone Expander (Silent Knight SK-5210) .....	1,063.62	24.01
28 46 13 31-1809	EA		LCD Remote Annunciator (Silent Knight SK-5230) .....	403.16	48.02
28 46 13 31-1810	EA		Ionization Smoke Detector (Silent Knight SK-ION) .....	192.12	36.01
28 46 13 31-1811	EA		Addressable Relay Module (Silent Knight IDP-Relay) .....	224.37	36.01
28 46 13 31-1812	EA		Telephone Line Monitor (Silent Knight SK-7150) .....	139.42	24.01
28 46 13 31-1813	EA		Serial Driver Board (Silent Knight SK-2884) .....	273.48	24.01
28 46 13 31-1814	EA		Smoke Detector Base (Silent Knight IDP-6AB) .....	74.79	12.00
28 46 13 31-1815	EA		Mini Input Module (Silent Knight IDP-MINIMON) .....	200.36	24.01
28 46 13 31-1816	EA		Status Display Module (Silent Knight SK-4180) .....	779.25	24.01
28 46 13 31-1817	EA		8-Channel Digital Communicator (Silent Knight SK-1420) .....	454.26	24.01
28 46 13 31-1818	EA		Serial Parallel Module (Silent Knight SK-4824) .....	413.64	24.01
28 46 13 31-1819	EA		Power Supply (Silent Knight SK-5197 / SK-5198) .....	1,571.42	24.01
28 46 13 31-1820	EA		4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204) .....	2,629.53	96.04
28 46 13 31-1821	EA		Intelligent Ionization Smoke Detector (Silent Knight IDP-ION) .....	275.15	36.01
28 46 13 31-1822	EA		Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo) .....	224.37	36.01
28 46 13 31-1823	EA		Fire Slave Communicator Dialer (Silent Knight SK-5128) .....	490.94	24.01
28 46 13 31-1824	EA		Intelligent Power Module (with cabinet) (Silent Knight SK-5496) .....	817.70	72.03
28 46 13 31-1825	<b>Alerton Fire Alarm</b> <small>(28 46 13 31)</small>				
28 46 13 31-1826	EA		UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100) .....	525.31	7.20
28 46 13 31-1827	<b>Cooper Fire Alarm</b> <small>(28 46 13 31)</small>				
28 46 13 31-1828	EA		Single Circuit Class A / Multiple B, 12 Or 24 Volt DC, Sync Module (Cooper DSM-12/24-R) .....	168.40	24.01



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1829	EA		Red Lens, 21 Joules, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001).....	4,366.85	40.81
28 46 13 31-1830	EA		Red, 100 dB, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002).....	5,767.75	40.81
28 46 13 31-1831	EA		Red Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001).....	2,083.77	48.02
28 46 13 31-1832	EA		Clear Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002).....	2,096.22	48.02
28 46 13 31-1833	EA		Amber Lens, 5 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007).....	2,096.22	48.02
28 46 13 31-1834	EA		Red Lens, 10 Joules, 24 Volt DC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001).....	1,545.20	48.02
28 46 13 31-1835	EA		Amber Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003).....	1,545.20	48.02
28 46 13 31-1836	EA		Red Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004).....	1,545.20	48.02
28 46 13 31-1837	EA		Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005).....	2,096.22	48.02
28 46 13 31-1838	EA		Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006).....	2,096.22	48.02
28 46 13 31-1839	EA		Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007).....	2,096.22	48.02
28 46 13 31-1840	EA		Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008).....	2,096.22	48.02
28 46 13 31-1841	EA		Red Lens, 15 Joules, 24 Volt DC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002).....	2,096.22	48.02
28 46 13 31-1842	EA		Red Lens, 21 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001).....	2,418.43	48.02
28 46 13 31-1843	EA		Red Lens, 21 Joules, 24 Volt DC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003).....	2,244.09	48.02
28 46 13 31-1844	EA		Amber Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005).....	2,244.09	48.02
28 46 13 31-1845	EA		Red Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006).....	2,244.09	48.02
28 46 13 31-1846			<b>Light Engineered Displays Message Boards</b> <small>(28 46 13 31)</small>		
28 46 13 31-1847	EA		Two Message Sign, Announcement And Evacuate (LED SP-2/MNS).....	889.89	28.81
28 46 13 31-1848	EA		Four Message Sign, Fire, Weather, Announcement, E Voltuate (LED SP-4).....	782.77	28.81
28 46 13 31-1849			<b>Safety Technology International Fire Alarm</b> <small>(28 46 13 31)</small>		
28 46 13 31-1850			<b>Enclosures</b> <small>(28 46 13 31-1849)</small>		
28 46 13 31-1851	EA		6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF060604-O).....	109.62	14.41
28 46 13 31-1852	EA		6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF060604-W).....	142.08	14.41
28 46 13 31-1853	EA		8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080604-O).....	111.78	14.41
28 46 13 31-1854	EA		8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080604-W).....	142.81	14.41
28 46 13 31-1855	EA		8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080804-O).....	114.67	14.41
28 46 13 31-1856	EA		8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080804-W).....	164.45	14.41
28 46 13 31-1857	EA		10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF100806-O).....	119.72	14.41
28 46 13 31-1858	EA		10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF100806-W).....	163.73	14.41
28 46 13 31-1859	EA		12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF121006-O).....	128.38	14.41
28 46 13 31-1860	EA		12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF121006-W).....	177.44	14.41
28 46 13 31-1861	EA		14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF141206-O).....	152.18	14.41
28 46 13 31-1862	EA		14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141206-W).....	229.38	14.41
28 46 13 31-1863	EA		14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF141208-O).....	163.73	14.41
28 46 13 31-1864	EA		14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141208-W).....	288.55	14.41
28 46 13 31-1865	EA		16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF161408-O).....	173.83	14.41
28 46 13 31-1866	EA		16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF161408-W).....	297.20	14.41
28 46 13 31-1867	EA		18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF181610-O).....	206.30	14.41
28 46 13 31-1868	EA		18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF181610-W).....	305.14	14.41
28 46 13 31-1869	EA		20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF201610-O).....	297.20	14.41
28 46 13 31-1870	EA		20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF201610-W).....	440.06	14.41
28 46 13 31-1871	EA		6" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP060605-O).....	82.20	14.41
28 46 13 31-1872	EA		6" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP060605-T).....	89.42	14.41
28 46 13 31-1873	EA		8" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080605-O).....	85.45	14.41
28 46 13 31-1874	EA		8" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080605-T).....	91.58	14.41
28 46 13 31-1875	EA		8" Height x 8" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080805-O).....	88.33	14.41
28 46 13 31-1876	EA		8" Height x 8" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080805-T).....	95.55	14.41
28 46 13 31-1877	EA		10" Height x 8" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP100806-O).....	89.42	14.41
28 46 13 31-1878	EA		10" Height x 8" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP100806-T).....	104.21	14.41
28 46 13 31-1879	EA		10" Height x 8" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP100807-O).....	93.74	14.41
28 46 13 31-1880	EA		10" Height x 8" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP100807-T).....	107.09	14.41
28 46 13 31-1881	EA		10" Height x 10" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP101006-O).....	97.71	14.41
28 46 13 31-1882	EA		10" Height x 10" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP101006-T).....	108.90	14.41
28 46 13 31-1883	EA		12" Height x 10" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP121007-O).....	98.79	14.41
28 46 13 31-1884	EA		12" Height x 10" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP121007-T).....	112.50	14.41
28 46 13 31-1885	EA		14" Height x 12" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP141207-O).....	115.39	14.41
28 46 13 31-1886	EA		14" Height x 12" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP141207-T).....	142.81	14.41
28 46 13 31-1887	EA		16" Height x 14" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP161409-O).....	126.93	14.41
28 46 13 31-1888	EA		16" Height x 14" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP161409-T).....	170.22	14.41
28 46 13 31-1889	EA		18" Height x 16" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP181604-O).....	140.64	14.41
28 46 13 31-1890	EA		18" Height x 16" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP181604-T).....	182.49	14.41



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1891	EA		18" Height x 16" Width x 11" Depth, Opaque, Polycarbonate Enclosure (STI EP181611-O) .....	159.40	14.41
28 46 13 31-1892	EA		18" Height x 16" Width x 11" Depth, Tinted, Polycarbonate Enclosure (STI EP181611-T).....	213.51	14.41
28 46 13 31-1893	EA		20" Height x 16" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP201608-O) .....	252.47	14.41
28 46 13 31-1894	EA		20" Height x 16" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP201608-T).....	264.02	14.41
28 46 13 31-1895	EA		24" Height x 24" Width x 10" Depth, Opaque, Polycarbonate Enclosure (STI EP242410-O) .....	379.45	14.41
28 46 13 31-1896	EA		24" Height x 24" Width x 10" Depth, Tinted, Polycarbonate Enclosure (STI EP242410-T).....	439.34	14.41
<b>28 46 13 31-1897</b>			<b>STI® Fire Alarm Devices</b> (28 46 13 31-1849)		
28 46 13 31-1898	EA		Pull Station Polycarbonate Cover, Semi Flush With Horn (STI-1100) .....	130.90	14.41
			Note: Includes 9 Volt DC self contained battery.		
28 46 13 31-1899	EA		Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130) .....	142.81	14.41
28 46 13 31-1900	EA		Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200).....	84.55	14.41
28 46 13 31-1901	EA		Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D) .....	85.27	14.41
			Note: For surface mounted horn strobes.		
28 46 13 31-1902	EA		Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E).....	75.89	14.41
28 46 13 31-1903	EA		Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D) .....	85.27	14.41
			Note: For surface mounted strobe.		
28 46 13 31-1904	EA		Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E).....	68.85	14.41
28 46 13 31-1905	EA		NEMA 4X Rated Polycarbonate Dome Cover (STI-1229) .....	160.84	14.41
28 46 13 31-1906	EA		Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230) .....	107.45	14.41
			Note: For surface mounted pull stations.		
28 46 13 31-1907	EA		Backplate For Polycarbonate Cover (STI-1280) .....	51.61	14.41
28 46 13 31-1908	EA		Conduit Gasket For Polycarbonate Cover (STI-3003) .....	37.47	14.41
28 46 13 31-1909	EA		Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100) .....	52.40	14.41
28 46 13 31-1910	EA		Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150).....	120.08	14.41
28 46 13 31-1911	EA		8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A) .....	99.52	14.41
28 46 13 31-1912	EA		Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100).....	73.54	14.41
28 46 13 31-1913	EA		Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601).....	69.57	14.41
28 46 13 31-1914	EA		Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602) .....	67.23	14.41
28 46 13 31-1915	EA		Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604) .....	69.57	14.41
28 46 13 31-1916	EA		Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605) .....	67.23	14.41
28 46 13 31-1917	EA		Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609) .....	69.57	14.41
28 46 13 31-1918	EA		Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610).....	67.23	14.41
28 46 13 31-1919	EA		Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625) .....	131.62	14.41
28 46 13 31-1920	EA		White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705) .....	62.50	14.41
28 46 13 31-1921	EA		Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R) .....	95.74	14.41
28 46 13 31-1922	EA		Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706) .....	94.83	14.41
28 46 13 31-1923	EA		Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707).....	94.83	14.41
28 46 13 31-1924	EA		White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708) .....	68.85	14.41
28 46 13 31-1925	EA		Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R).....	68.85	14.41
28 46 13 31-1926	EA		White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711) .....	62.50	14.41
28 46 13 31-1927	EA		Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713).....	68.85	14.41
28 46 13 31-1928	EA		White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714).....	68.85	14.41
28 46 13 31-1929	EA		Yellow, High Threat, Push Button Station (STI SS-2201) .....	121.42	7.20
28 46 13 31-1930	EA		Gasket Kit For STI Covers (STI SUB-121).....	48.29	
28 46 13 31-1931	EA		Universal Cover With Horn, Flush Mount, Momentary Button, Exit Label, Green Stopper Station (STI SS-2144XT).....	170.22	14.41
28 46 13 31-1932	EA		No Cover, Push And Turn-To-Reset Button, Evacuation Label, Yellow Stopper Station (STI SS-2201EV) .....	93.38	14.41
28 46 13 31-1933	EA		No Cover, Push And Key-To-Rest Button, Emergency Label, Blue Stopper Station (STI SS-2400EM) .....	93.38	14.41
28 46 13 31-1934	EA		Universal Cover With Horn, Flush Mount, Push And Key-To-Reset Button, Emergency Label, Blue Stopper Station (STI SS-2440EM) .....	170.22	14.41
28 46 13 31-1935	EA		Flush Mounted, Weather Stopper II (STI-1250) .....	100.42	14.41
28 46 13 31-1936	EA		Flush Mounted, Clear, Universal Stopper (STI-13000NC).....	67.23	14.41
28 46 13 31-1937	EA		Flush Mounted, Universal, Fire Label, Red, Stopper With Horn (STI-13020FR).....	114.31	14.41
28 46 13 31-1938	EA		Surface Mounted, Clear, Universal Stopper (STI-13200NC) .....	80.76	14.41
28 46 13 31-1939	EA		Surface Mounted, Fire Label, Red, Universal Stopper (STI-13210FR).....	87.97	14.41
28 46 13 31-1940	EA		Surface Mounted, No Label, White, Universal Stopper (STI-13210NW).....	95.55	14.41
28 46 13 31-1941	EA		Surface Mounted, No Label, Yellow, Universal Stopper (STI-13210NY).....	95.55	14.41
28 46 13 31-1942	EA		Surface Mounted, Fire Label, Red, Universal Stopper With Horn (STI-13220FR).....	127.65	14.41
28 46 13 31-1943	EA		Surface Mounted, No Label, Yellow, Universal Stopper With Horn (STI-13220NY) .....	134.87	14.41
28 46 13 31-1944	EA		Surface Mounted, Fire Label, Red, Universal Stopper With Horn And Relay (STI-13230FR) .....	160.12	14.41
28 46 13 31-1945	EA		Stopper II, Weather Gasket (STI-3002) .....	36.71	14.41
28 46 13 31-1946	EA		Large, Break Glass Stopper (STI-4100) .....	94.83	14.41
28 46 13 31-1947	EA		Stopper "G" Standard Break Glass Cover (STI-6100) .....	91.58	14.41
28 46 13 31-1948	EA		Clear, Polycarbonate Enclosure With Deep Back Box And Exterior Key Lock (STI-7510A).....	88.51	14.41
28 46 13 31-1949	EA		Polycarbonate Multi-Purpose Enclosure With Backplate And Key Lock (STI-7530).....	233.71	14.41
28 46 13 31-1950	EA		Heated, Metal, Protective Cabinet (STI-7560AH) .....	3,246.66	14.41
28 46 13 31-1951	EA		Stainless Steel Guard (STI-9604SS) .....	64.16	14.41
28 46 13 31-1952	EA		5-3/4" Width x 4-1/2" Depth, Motion Detector Guard (STI-9621) .....	57.85	14.41
<b>28 46 13 31-1953</b>			<b>System Sensor Fire Alarm</b> (28 46 13 31)		
<b>28 46 13 31-1954</b>			<b>Smoke Detectors</b> (28 46 13 31-1953)		
28 46 13 31-1955	EA		Beam Detector Heater Kit (System Sensor BEAMHK) .....	53.16	4.80
28 46 13 31-1956	EA		Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR).....	227.87	4.80
			Note: Four used with long range kit.		
28 46 13 31-1957	EA		Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK) .....	266.34	48.02
28 46 13 31-1958	EA		Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK) .....	191.47	48.02
28 46 13 31-1959	EA		Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK).....	153.30	48.02
28 46 13 31-1960	EA		Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B).....	150.24	36.01
28 46 13 31-1961	EA		Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B) .....	143.23	36.01

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1962	EA		Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B) .....	158.66	36.01
28 46 13 31-1963	EA		Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B) .....	152.95	36.01
28 46 13 31-1964	EA		Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 Volt DC (System Sensor 4WT-B) .....	153.02	36.01
28 46 13 31-1965	EA		Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B) .....	162.87	36.01
28 46 13 31-1966	EA		Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B) .....	240.14	36.01
28 46 13 31-1967	EA		Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151) .....	138.30	24.01
28 46 13 31-1968	EA		Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T) .....	160.09	24.01
			Note: Requires B100 series base.		
28 46 13 31-1969	EA		Heavy Duty Multi-Mount Kit (System Sensor 6500-MMK) .....	260.87	12.00
28 46 13 31-1970	EA		Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy Duty Multi-Mount Kit (System Sensor 6500-SMK) .....	86.89	12.00
28 46 13 31-1971	EA		Four Wire, Low Profile, Plug In Detector (System Sensor 2D51) .....	164.27	36.01
<b>28 46 13 31-1972</b>			<b>Duct Smoke Detectors</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-1973	EA		Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2) .....	328.46	36.01
28 46 13 31-1974	EA		Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120) .....	325.52	36.01
28 46 13 31-1975	EA		Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W) .....	429.09	40.81
28 46 13 31-1976	EA		Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S) .....	214.41	24.01
28 46 13 31-1977	EA		Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL) .....	57.96	7.20
28 46 13 31-1978	EA		Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR) .....	184.25	19.20
28 46 13 31-1979	EA		Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW) .....	301.51	24.01
28 46 13 31-1980	EA		1' Steel Sampling Tube (System Sensor DST1) .....	31.83	9.61
28 46 13 31-1981	EA		1.5' Steel Sampling Tube (System Sensor DST1.5) .....	35.15	9.61
28 46 13 31-1982	EA		3' Steel Sampling Tube (System Sensor DST3) .....	40.19	9.61
28 46 13 31-1983	EA		5' Steel Sampling Tube (System Sensor DST5) .....	48.68	12.00
28 46 13 31-1984	EA		10' Steel Sampling Tube (System Sensor DST10) .....	77.65	14.41
28 46 13 31-1985	EA		1' Steel, Exhaust Tube Duct (System Sensor ETX) .....	36.52	9.61
28 46 13 31-1986	EA		Remote Test Station For Duct Smoke Detector (System Sensor RTS151) .....	86.65	12.00
28 46 13 31-1987	EA		Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2) .....	196.24	
28 46 13 31-1988	EA		Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B) .....	210.92	
<b>28 46 13 31-1989</b>			<b>Heat Detectors</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-1990	EA		Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P) .....	97.30	36.01
28 46 13 31-1991	EA		Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602) .....	95.23	36.01
28 46 13 31-1992	EA		Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621) .....	112.65	36.01
28 46 13 31-1993	EA		Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622) .....	112.65	36.01
28 46 13 31-1994	EA		Dual Circuit, 135 Degree F, Fixed Temperature Heat Detector (System Sensor 5623) .....	127.86	36.01
28 46 13 31-1995	EA		Dual Circuit, 194 Degree F, Fixed Temperature Heat Detector (System Sensor 5624) .....	127.86	36.01
<b>28 46 13 31-1996</b>			<b>Horns</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-1997	EA		Red, Mini Horn (System Sensor MHR) .....	103.11	36.01
28 46 13 31-1998	EA		White, Mini Horn (System Sensor MHW) .....	103.11	36.01
28 46 13 31-1999	EA		White, 12/24 Volt DC, Wall Mounted Horn Only (System Sensor HWL) .....	104.62	36.01
28 46 13 31-2000	EA		Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R) .....	132.83	40.81
28 46 13 31-2001	EA		Red, Indoor, Wall Mounted, Horn (System Sensor HRL) .....	104.62	36.01
28 46 13 31-2002	EA		Red, Outdoor, Wall Mounted, Horn (System Sensor HRK) .....	150.24	36.01
28 46 13 31-2003	EA		White, Indoor, Wall Mounted, Compact Horn (System Sensor HGRL) .....	105.11	36.01
28 46 13 31-2004	EA		Red, Indoor, Wall Mounted, Compact Horn (System Sensor HGWL) .....	105.11	36.01
<b>28 46 13 31-2005</b>			<b>Wall Mounted Horns/Strobes</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2006	EA		Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL) .....	145.44	36.01
28 46 13 31-2007	EA		Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH) .....	199.67	36.01
28 46 13 31-2008	EA		Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK) .....	218.66	40.81
28 46 13 31-2009	EA		Plain, Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P) .....	213.28	40.81
28 46 13 31-2010	EA		Outdoor Backbox, Red, 120 Volt AC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120) .....	223.80	40.81
28 46 13 31-2011	EA		Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK) .....	217.93	40.81
28 46 13 31-2012	EA		Plain, Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P) .....	206.43	40.81
28 46 13 31-2013	EA		Outdoor, Red, , Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R) .....	179.45	36.01
28 46 13 31-2014	EA		Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL-P) .....	142.01	36.01
28 46 13 31-2015	EA		White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL) .....	145.44	36.01
28 46 13 31-2016	EA		White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH) .....	201.22	36.01
28 46 13 31-2017	EA		Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK) .....	211.32	40.81
28 46 13 31-2018	EA		Plain, Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P) .....	213.28	40.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2019 EA Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P).....	199.67	36.01
28 46 13 31-2020 EA Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK).....	225.27	40.81
28 46 13 31-2021 EA Plain, Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P).....	206.43	40.81
28 46 13 31-2022 EA Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL-P).....	141.28	36.01
28 46 13 31-2023 EA Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RL).....	176.27	36.01
28 46 13 31-2024 EA Red, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH).....	193.55	36.01
28 46 13 31-2025 EA Outdoor Backbox, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK).....	223.62	40.81
28 46 13 31-2026 EA Outdoor, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R).....	201.54	40.81
28 46 13 31-2027 EA White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WL).....	176.27	36.01
28 46 13 31-2028 EA Outdoor Backbox, White, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK).....	255.97	40.81
28 46 13 31-2029 EA Outdoor Backbox, White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK).....	213.77	40.81
28 46 13 31-2030 EA Red, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2RL-LF).....	218.84	36.01
28 46 13 31-2031 EA White, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2WL-LF).....	218.84	36.01
28 46 13 31-2032 EA Red, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GRL).....	144.95	36.01
28 46 13 31-2033 EA White, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GWL).....	144.95	36.01
<b>28 46 13 31-2034 Ceiling Mounted Horns/Strobes (28 46 13 31-1953)</b>		
28 46 13 31-2035 EA Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RL).....	147.88	36.01
28 46 13 31-2036 EA Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH).....	202.78	36.01
28 46 13 31-2037 EA Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK).....	211.32	40.81
28 46 13 31-2038 EA Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK).....	204.96	40.81
28 46 13 31-2039 EA Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P).....	191.89	36.01
28 46 13 31-2040 EA White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WL).....	147.88	36.01
28 46 13 31-2041 EA White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH).....	202.78	36.01
28 46 13 31-2042 EA Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK).....	211.32	40.81
28 46 13 31-2043 EA Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P).....	202.78	36.01
28 46 13 31-2044 EA Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK).....	204.96	40.81
28 46 13 31-2045 EA Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P).....	190.33	36.01
28 46 13 31-2046 EA Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4RL).....	177.49	36.01
28 46 13 31-2047 EA Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH).....	193.55	36.01
28 46 13 31-2048 EA White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4WL).....	177.49	36.01
<b>28 46 13 31-2049 Wall Mounted Strobes (28 46 13 31-1953)</b>		
28 46 13 31-2050 EA White Strobe Expander Plate Backbox Skirt (System Sensor SEP-BBSW).....	67.96	12.00
28 46 13 31-2051 EA White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW).....	133.87	12.00
28 46 13 31-2052 EA Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL).....	130.51	36.01
28 46 13 31-2053 EA Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH).....	162.27	36.01
28 46 13 31-2054 EA Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK).....	198.35	40.81
28 46 13 31-2055 EA Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK).....	195.94	40.81
28 46 13 31-2056 EA Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P).....	188.81	40.81
28 46 13 31-2057 EA Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R).....	164.83	40.81
28 46 13 31-2058 EA Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL-P).....	129.29	36.01
28 46 13 31-2059 EA White, 12/24 Volt DC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL).....	130.02	36.01
28 46 13 31-2060 EA White, Amber Lens, 12/24 Volt DC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-ALERT).....	141.52	36.01



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2061	EA		White, Clear Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-CLR-ALERT).....	179.43	36.01
28 46 13 31-2062	EA		White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH).....	188.77	36.01
28 46 13 31-2063	EA		White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT).....	187.22	36.01
28 46 13 31-2064	EA		White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P).....	187.22	36.01
28 46 13 31-2065	EA		Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P).....	191.75	40.81
28 46 13 31-2066	EA		White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK).....	189.55	40.81
28 46 13 31-2067	EA		White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P).....	191.26	40.81
28 46 13 31-2068	EA		Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R).....	201.50	40.81
28 46 13 31-2069	EA		White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK).....	187.59	40.81
28 46 13 31-2070	EA		White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P).....	188.57	40.81
28 46 13 31-2071	EA		White, Plain, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-P).....	129.04	36.01
28 46 13 31-2072	EA		Amber, Wall Strobe Lens Attachment (System Sensor LENS-A).....	23.07	4.80
28 46 13 31-2073	EA		Blue, Wall Strobe Lens Attachment (System Sensor LENS-B).....	23.07	4.80
28 46 13 31-2074	EA		Green, Wall Strobe Lens Attachment (System Sensor LENS-G).....	23.07	4.80
28 46 13 31-2075	EA		Red, Wall Strobe Lens Attachment (System Sensor LENS-R).....	23.07	4.80
28 46 13 31-2076	EA		Red, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGRL).....	132.47	36.01
28 46 13 31-2077	EA		White, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGWL).....	129.78	36.01
28 46 13 31-2078	EA		L-Series, Amber, Wall Strobe Lens Attachment (System Sensor LENS-A2, AC2).....	23.07	4.80
28 46 13 31-2079	EA		L-Series, Blue, Wall Strobe Lens Attachment (System Sensor LENS-B2, BC2).....	23.07	4.80
28 46 13 31-2080	EA		L-Series, Green, Wall Strobe Lens Attachment (System Sensor LENS-G2, GC2).....	23.07	4.80
28 46 13 31-2081	EA		L-Series, Red, Wall Strobe Lens Attachment (System Sensor LENS-R2, RC2).....	23.07	4.80
28 46 13 31-2082	EA		Red, 8 Multi-tone, 12 VDC, 1575CD, Wall Mounted Strobe (Wheelock MT-121575W-FR).....	180.24	36.01
28 46 13 31-2083	EA		White, 8 Multi-tone, 12 VDC, 1575CD, No Lettering, Wall Mounted Strobe (Wheelock MT-121575W-NW).....	180.24	36.01
28 46 13 31-2084	EA		L-Series, White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-CLR-ALERT).....	192.73	40.81
<b>28 46 13 31-2085</b>			<b>Ceiling Mounted Strobes</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2086	EA		Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRL).....	133.20	36.01
28 46 13 31-2087	EA		Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH).....	164.68	36.01
28 46 13 31-2088	EA		Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK).....	198.35	40.81
28 46 13 31-2089	EA		Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK).....	198.35	40.81
28 46 13 31-2090	EA		White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWL).....	133.20	36.01
28 46 13 31-2091	EA		Clear Lens, White, Two Wire, 12/24 Volt DC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCWL-CLR-ALERT).....	142.99	36.01
28 46 13 31-2092	EA		White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH).....	191.89	36.01
28 46 13 31-2093	EA		Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK).....	189.55	40.81
28 46 13 31-2094	EA		Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK).....	187.59	40.81
28 46 13 31-2095	EA		Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P).....	168.54	36.01
28 46 13 31-2096	EA		Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC).....	23.07	4.80
28 46 13 31-2097	EA		Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC).....	23.07	4.80
28 46 13 31-2098	EA		Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC).....	23.07	4.80
28 46 13 31-2099	EA		Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC).....	23.07	4.80
<b>28 46 13 31-2100</b>			<b>Wall Mounted Speakers</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2101	EA		24 Volt DC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V).....	356.84	36.01
28 46 13 31-2102	EA		Red, Wall Mounted Speaker (System Sensor SPRL).....	110.69	36.01
28 46 13 31-2103	EA		Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK).....	182.14	36.01
28 46 13 31-2104	EA		Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R).....	149.17	40.81
28 46 13 31-2105	EA		Red, High dB, Wall Mounted Speaker (System Sensor SPRV).....	132.19	36.01
28 46 13 31-2106	EA		White, Wall Mounted Speaker (System Sensor SPWL).....	110.69	36.01
28 46 13 31-2107	EA		White, Outdoor, Wall Mounted Speaker (System Sensor SPWK).....	190.77	40.81
28 46 13 31-2108	EA		White, High dB, Wall Mounted Speaker (System Sensor SPWV).....	125.76	36.01
<b>28 46 13 31-2109</b>			<b>Ceiling Mounted Speakers</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2110	EA		Red, Ceiling Mounted Speaker (System Sensor SPCRL).....	108.00	36.01
28 46 13 31-2111	EA		Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK).....	180.92	36.01
28 46 13 31-2112	EA		Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV).....	132.19	36.01
28 46 13 31-2113	EA		White, Ceiling Mounted Speaker (System Sensor SPCWL).....	110.20	36.01





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2114	EA			White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV).....	149.86	36.01
28 46 13 31-2115	EA			White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK).....	191.75	40.81
<b>28 46 13 31-2116</b>				<b>Wall Mounted Speakers/Strobes</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2117	EA			White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSWL).....	132.16	12.00
28 46 13 31-2118	EA			White Speaker Strobe Expander Plate Backbox Skirt (System Sensor SPSEP-BBSWL).....	65.02	12.00
28 46 13 31-2119	EA			Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL).....	184.59	36.01
28 46 13 31-2120	EA			Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH).....	207.99	36.01
28 46 13 31-2121	EA			Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK).....	278.96	40.81
28 46 13 31-2122	EA			Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P).....	267.11	40.81
28 46 13 31-2123	EA			Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R).....	226.49	40.81
28 46 13 31-2124	EA			Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL-P).....	182.38	36.01
28 46 13 31-2125	EA			Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV).....	200.77	36.01
28 46 13 31-2126	EA			White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-ALERT).....	185.56	36.01
28 46 13 31-2127	EA			White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT).....	270.54	40.81
28 46 13 31-2128	EA			White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL).....	184.59	36.01
28 46 13 31-2129	EA			White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH).....	247.92	36.01
28 46 13 31-2130	EA			White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P).....	247.92	36.01
28 46 13 31-2131	EA			White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK).....	280.32	40.81
28 46 13 31-2132	EA			White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P).....	266.13	40.81
28 46 13 31-2133	EA			White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-P).....	181.40	36.01
28 46 13 31-2134	EA			White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV).....	238.58	36.01
28 46 13 31-2135	EA			White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P).....	238.58	36.01
<b>28 46 13 31-2136</b>				<b>Ceiling Mounted Speakers/Strobes</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2137	EA			Red, Selectable Candela ( 15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRL).....	171.37	36.01
28 46 13 31-2138	EA			Red, Selectable Candela ( 135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH).....	210.40	36.01
28 46 13 31-2139	EA			Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV).....	200.77	36.01
28 46 13 31-2140	EA			White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL).....	171.37	36.01
28 46 13 31-2141	EA			White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-CLR-ALERT).....	183.61	36.01
28 46 13 31-2142	EA			White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH).....	247.92	36.01
28 46 13 31-2143	EA			White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK).....	281.79	40.81
28 46 13 31-2144	EA			White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P).....	247.92	36.01
28 46 13 31-2145	EA			White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT).....	271.03	40.81
28 46 13 31-2146	EA			White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK).....	280.32	40.81
28 46 13 31-2147	EA			White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-P).....	171.37	36.01
28 46 13 31-2148	EA			White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV).....	238.58	36.01
28 46 13 31-2149	EA			White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH).....	247.92	36.01
28 46 13 31-2150	EA			White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P).....	238.58	36.01
28 46 13 31-2151	EA			High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH).....	247.69	36.01
<b>28 46 13 31-2152</b>				<b>Electric Alarm Bells</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2153	EA			6" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-6).....	139.32	36.01
28 46 13 31-2154	EA			8" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-8).....	151.31	36.01
28 46 13 31-2155	EA			10" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-10).....	164.52	36.01
28 46 13 31-2156	EA			6" 120 Volt AC Alarm Bell (System Sensor SSV120-6).....	160.76	36.49
28 46 13 31-2157	EA			8" 120 Volt AC Alarm Bell (System Sensor SSV120-8).....	162.81	36.49
28 46 13 31-2158	EA			10" 120 Volt AC Alarm Bell (System Sensor SSV120-10).....	175.77	36.49

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2159			<b>Device Bases</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2160	EA		High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S).....	112.34	12.00
28 46 13 31-2161	EA		Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR).....	108.67	12.00
28 46 13 31-2162	EA		Intelligent Isolator Base (System Sensor B224BI).....	88.85	12.00
28 46 13 31-2163	EA		Intelligent Relay Base (System Sensor B224RB).....	89.83	12.00
28 46 13 31-2164	EA		Flangeless, Intelligent Detector Base (System Sensor B501).....	54.55	12.00
28 46 13 31-2165	EA		High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, Ivory (System Sensor B200S-IV).....	112.34	12.00
28 46 13 31-2166	EA		Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-IV).....	108.67	12.00
28 46 13 31-2167	EA		Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR-LF).....	163.97	12.00
28 46 13 31-2168	EA		Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-LF-IV).....	163.97	12.00
28 46 13 31-2169	EA		Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-LF-WH).....	158.59	12.00
28 46 13 31-2170	EA		Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-WH).....	132.65	12.00
28 46 13 31-2171	EA		High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, White (System Sensor B200S-WH).....	106.47	12.00
28 46 13 31-2172	EA		Intelligent Isolator Base, Ivory (System Sensor B224BI-IV).....	88.85	12.00
28 46 13 31-2173	EA		Intelligent Isolator Base, White (System Sensor B224BI-WH).....	82.98	12.00
28 46 13 31-2174	EA		Intelligent Relay Base, Ivory (System Sensor B224RB-IV).....	89.83	12.00
28 46 13 31-2175	EA		Intelligent Relay Base, White (System Sensor B224RB-WH).....	84.20	12.00
28 46 13 31-2176	EA		Flangeless, Intelligent Detector Base, Black (System Sensor B501-BL).....	54.55	12.00
28 46 13 31-2177	EA		Flangeless, Intelligent Detector Base, Ivory (System Sensor B501-IV).....	54.55	12.00
28 46 13 31-2178	EA		Flangeless, Intelligent Detector Base, White (System Sensor B501-WHITE).....	48.18	12.00
28 46 13 31-2179	EA		Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base (System Sensor B200S-LF).....	166.91	12.00
28 46 13 31-2180	EA		Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, Ivory (System Sensor B200S-LF-IV).....	166.91	12.00
28 46 13 31-2181	EA		Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, White (System Sensor B200S-LF-WH).....	160.54	12.00
28 46 13 31-2182	EA		6" Intelligent Flanged Mounting Base (System Sensor B300-6).....	42.36	12.00
28 46 13 31-2183	EA		6" Intelligent Flanged Mounting Base, Ivory (System Sensor B300-6-IV).....	48.48	12.00
28 46 13 31-2184	EA		Two Wire, Flanged, 12/24 Volt DC, Low-Profile, Adapter Base (System Sensor B110LP).....	49.69	12.00
28 46 13 31-2185	EA		Four Wire, Form A And C, 24 Volt DC Low-Profile, Adapter Base (System Sensor B112LP).....	104.30	14.41
28 46 13 31-2186			<b>Boxes, Plates And Decals</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2187	EA		120 Volt AC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K).....	48.67	12.00
28 46 13 31-2188	EA		Red, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBB).....	75.20	12.00
28 46 13 31-2189	EA		White, Ceiling Mounted, Metal, Weatherproof Backbox (System Sensor MWBBCW).....	82.25	12.00
28 46 13 31-2190	EA		White, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBBW).....	75.20	12.00
28 46 13 31-2191	EA		Red Retrofit Plate (System Sensor RFP).....	34.18	7.20
28 46 13 31-2192	EA		White Retrofit Plate (System Sensor RFPW).....	33.89	7.20
28 46 13 31-2193	EA		Red, Wall Mounted, Weatherproof Backbox (System Sensor SA-WBB).....	62.96	12.00
28 46 13 31-2194	EA		Red, Ceiling Mounted, Weatherproof Backbox (System Sensor SA-WBBC).....	71.38	12.00
28 46 13 31-2195	EA		Red, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCLR).....	49.26	12.00
28 46 13 31-2196	EA		White, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCWL).....	49.26	12.00
28 46 13 31-2197	EA		Red, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBRL).....	42.12	12.00
28 46 13 31-2198	EA		Red, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPRL).....	47.50	12.00
28 46 13 31-2199	EA		White, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPWL).....	47.50	12.00
28 46 13 31-2200	EA		White, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBWL).....	42.12	12.00
28 46 13 31-2201	EA		Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500).....	48.91	12.00
28 46 13 31-2202	EA		Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600).....	42.36	12.00
28 46 13 31-2203	EA		Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS).....	15.21	4.80
28 46 13 31-2204	EA		Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R).....	23.26	
28 46 13 31-2205	EA		Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC).....	32.55	
28 46 13 31-2206	EA		White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W).....	23.26	
28 46 13 31-2207	EA		White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC).....	32.55	
28 46 13 31-2208	EA		Red, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2).....	16.99	4.80
28 46 13 31-2209	EA		White, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2W).....	16.99	4.80
28 46 13 31-2210	EA		Red, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2).....	16.99	4.80
28 46 13 31-2211	EA		White, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2W).....	16.99	4.80
28 46 13 31-2212	EA		Red, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGRL).....	42.12	12.00
28 46 13 31-2213	EA		White, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGWL).....	42.12	12.00
28 46 13 31-2214	EA		Red, AGENT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AG).....	20.87	4.80
28 46 13 31-2215	EA		Red, ALERT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AL).....	20.87	4.80
28 46 13 31-2216	EA		Red, EVAC Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-EV).....	20.87	4.80
28 46 13 31-2217	EA		Red, FIRE Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-F).....	20.87	4.80
28 46 13 31-2218	EA		White, AGENT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AG).....	20.87	4.80
28 46 13 31-2219	EA		White, ALERT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AL).....	20.87	4.80
28 46 13 31-2220	EA		White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZGR-EV).....	20.87	4.80
28 46 13 31-2221	EA		White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-F).....	20.87	4.80
28 46 13 31-2222	EA		Red, Plain, L-Series Wall Mounted Bezel (System Sensor BZGR-P).....	20.87	4.80
28 46 13 31-2223	EA		White, Plain, L-Series Wall Mounted Bezel (System Sensor BZGW-P).....	20.87	4.80
28 46 13 31-2224	EA		Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG).....	20.87	4.80
28 46 13 31-2225	EA		Red, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AL).....	20.87	4.80
28 46 13 31-2226	EA		Red, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AG).....	22.92	4.80
28 46 13 31-2227	EA		Red, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AL).....	22.92	4.80
28 46 13 31-2228	EA		Red, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-EV).....	22.92	4.80



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2229	EA				Red, FIRE Marking, L-Series Ceiling Mounted Bezel, Pack Of 5 (System Sensor BZRC-F).....	22.92	4.80
28 46 13 31-2230	EA				Red, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-P).....	22.92	4.80
28 46 13 31-2231	EA				Red, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZR-EV).....	20.87	4.80
28 46 13 31-2232	EA				Red, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZR-F).....	20.87	4.80
28 46 13 31-2233	EA				Red, PLAIN Marking, L-Series Wall Mounted Bezel (System Sensor BZR-P).....	20.87	4.80
28 46 13 31-2234	EA				Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG).....	20.87	4.80
28 46 13 31-2235	EA				White, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AG).....	20.87	4.80
28 46 13 31-2236	EA				White, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AL).....	20.87	4.80
28 46 13 31-2237	EA				White, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AG).....	22.92	4.80
28 46 13 31-2238	EA				White, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AL).....	22.92	4.80
28 46 13 31-2239	EA				White, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-EV).....	22.92	4.80
28 46 13 31-2240	EA				White, FIRE Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-F).....	22.92	4.80
28 46 13 31-2241	EA				White, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-P).....	22.92	4.80
28 46 13 31-2242	EA				White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-EV).....	20.87	4.80
28 46 13 31-2243	EA				White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-F).....	20.87	4.80
28 46 13 31-2244	EA				Replacement Dust Cover For Low Profile Detectors (System Sensor C58-227-01).....	4.36	
28 46 13 31-2245	EA				Control Module Barrier (System Sensor CB500).....	31.24	7.20
28 46 13 31-2246	EA				White Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300).....	28.60	7.20
28 46 13 31-2247	EA				Black Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300-BL).....	34.91	7.20
28 46 13 31-2248	EA				PTIR Color Kit, White (System Sensor CK-300-IR).....	135.77	7.20
Note: Includes cover and trim ring							
28 46 13 31-2249	EA				PTIR Color Kit, Black (System Sensor CK-300-IR-BL).....	197.92	7.20
Note: Includes cover and trim ring							
28 46 13 31-2250	EA				PTIR Color Kit, Ivory (System Sensor CK-300-IR-IV).....	197.92	7.20
Note: Includes cover and trim ring							
28 46 13 31-2251	EA				Accessory Flange Ring For B210LP Base (System Sensor F210).....	23.07	7.20
Note: Includes cover and trim ring							
28 46 13 31-2252	EA				Black Faceplate (System Sensor FP-BLACK-BP).....	22.36	7.20
28 46 13 31-2253	EA				White Faceplate, 2 In/2 Out (System Sensor FP-WHITE-2-BP).....	22.73	7.20
28 46 13 31-2254	EA				White Faceplate (System Sensor FP-WHITE-BP).....	21.53	7.20
28 46 13 31-2255	EA				White, Back Box (System Sensor SMB500-WH).....	39.82	12.00
28 46 13 31-2256	EA				Accessory Flange Ring For B210LP Base, White (System Sensor TR300).....	15.73	4.80
28 46 13 31-2257	EA				Accessory Flange Ring For B210LP Base, Ivory (System Sensor TR300-IV).....	22.87	4.80
28 46 13 31-2258	EA				White Faceplate Swift (System Sensor FP-WHITE-SWIFT-BP).....	23.88	7.20
28 46 13 31-2259	EA				Red, ALERT Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-AL).....	20.87	4.80
28 46 13 31-2260	EA				Red, AGENT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AG).....	22.92	4.80
28 46 13 31-2261	EA				Red, ALERT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AL).....	22.92	4.80
28 46 13 31-2262	EA				Red, EVAC Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-EV).....	22.92	4.80
28 46 13 31-2263	EA				Red, FIRE Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-F).....	22.92	4.80
28 46 13 31-2264	EA				Red, Plain, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-P).....	22.92	4.80
28 46 13 31-2265	EA				Red, EVAC Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-EV).....	20.87	4.80
28 46 13 31-2266	EA				Red, FIRE Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-F).....	20.87	4.80
28 46 13 31-2267	EA				Red, Plain, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-P).....	20.87	4.80
28 46 13 31-2268	EA				L Series, 120 VAC Adapter Mounting Plate (System Sensor MP120KL).....	63.36	12.00
28 46 13 31-2269	EA				White, Amber Lens, Universal Expander Plate (System Sensor SEP-SPSWL-P).....	128.00	12.00
<b>28 46 13 31-2270 Chimes</b> <small>(28 46 13 31-1953)</small>							
28 46 13 31-2271	EA				Red, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHRL).....	118.68	36.01
28 46 13 31-2272	EA				White, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHWL).....	134.18	36.01
<b>28 46 13 31-2273 Chime/Strobes</b> <small>(28 46 13 31-1953)</small>							
28 46 13 31-2274	EA				Red, 15, 15/75, 30, 75, 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSRL).....	199.27	36.01
28 46 13 31-2275	EA				White, 15, 15/75, 30, 75, 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSWL).....	199.27	36.01
28 46 13 31-2276	EA				L-Series, Red, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCL).....	200.73	36.01
28 46 13 31-2277	EA				L-Series, White, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHCWL).....	200.73	36.01
<b>28 46 13 31-2278 Carbon Monoxide Detectors</b> <small>(28 46 13 31-1953)</small>							
28 46 13 31-2279	EA				Conventional Carbon Monoxide Detector (System Sensor CO1224).....	248.24	48.02
28 46 13 31-2280	EA				Round, Sounder And Trouble Relay With Test Function, 12/24 Volt DC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR).....	197.31	36.01
28 46 13 31-2281	EA				CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE).....	15.52	4.80
28 46 13 31-2282	EA				Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan (System Sensor FCO-951).....	300.08	36.01
28 46 13 31-2283	EA				12/24 VDC, Conventional Carbon Monoxide Detector With Sounder And Trouble Relay With Test Function, UL2075 Listed (System Sensor CO1224T).....	221.32	48.02

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2284 EA Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan, Ivory (System Sensor FCO-951-IV).....	310.84	36.01
<b>28 46 13 31-2285 Switches</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2286 EA SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1).....	183.27	19.20
28 46 13 31-2287 EA Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2).....	205.30	19.20
28 46 13 31-2288 EA SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1).....	183.27	19.20
28 46 13 31-2289 EA Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2).....	205.30	19.20
28 46 13 31-2290 EA Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2).....	191.10	19.20
28 46 13 31-2291 EA Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2).....	178.38	19.20
<b>28 46 13 31-2292 Low Frequency Sounders</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2293 EA Red, Low Frequency Sounder (System Sensor HR-LF).....	193.44	36.01
28 46 13 31-2294 EA White, Low Frequency Sounder (System Sensor HW-LF).....	193.44	36.01
28 46 13 31-2295 EA Red, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCRL-LF).....	161.34	36.01
28 46 13 31-2296 EA White, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCWL-LF).....	161.34	36.01
28 46 13 31-2297 EA Red, Wall Mounted, Low-frequency Compact Sounder (System Sensor HGRL-LF).....	160.12	36.01
28 46 13 31-2298 EA White, Wall Mounted, Low-frequency Compact Sounder (HGWL-LF).....	160.12	36.01
<b>28 46 13 31-2299 Sync Modules</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2300 EA Red, 12/24 Volt DC, Sync Module (System Sensor MDL3R).....	143.45	24.01
28 46 13 31-2301 EA White, 12/24 Volt DC, Sync Module (System Sensor MDL3W).....	141.00	24.01
<b>28 46 13 31-2302 Relays</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2303 EA Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E).....	79.72	19.20
28 46 13 31-2304 EA SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T).....	51.51	12.00
28 46 13 31-2305 EA 4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E).....	156.14	12.00
28 46 13 31-2306 EA 4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T).....	114.05	12.00
28 46 13 31-2307 EA Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E).....	86.28	19.20
28 46 13 31-2308 EA DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T).....	53.27	12.00
28 46 13 31-2309 EA 4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E).....	176.20	12.00
28 46 13 31-2310 EA 4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T).....	130.94	12.00
28 46 13 31-2311 EA 18 To 35 Volt DC, 18 To 35 Volt AC, 120 Volt AC, SPDT Multivoltage Relay (System Sensor PR-1).....	44.37	12.00
28 46 13 31-2312 EA 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-2).....	44.37	12.00
28 46 13 31-2313 EA Redundant Power Input, 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-3).....	44.37	12.00
<b>28 46 13 31-2314 Remote Annunciator</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2315 EA Remote Annunciator (System Sensor RA100Z).....	102.86	36.01
28 46 13 31-2316 EA Remote LED Annunciator (System Sensor RA100ZA).....	102.21	36.01
28 46 13 31-2317 EA Remote Annunciator With Piezo Alarm (System Sensor APA151).....	131.73	36.01
<b>28 46 13 31-2318 Remote Test Station</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2319 EA Remote Test Station With Key (System Sensor RTS151KEY).....	166.48	36.01
<b>28 46 13 31-2320 Fire Alarm Digital Cellular Communicator</b> <small>(28 46 13 31)</small>		
28 46 13 31-2321 EA Digital Cellular Communicator With Antenna And Red Enclosure (Telular Telguard TG-7FS).....	707.28	48.02
<b>28 46 13 31-2322 Wheelock Fire Alarm</b> <small>(28 46 13 31)</small>		
<b>28 46 13 31-2323 Ceiling Mounted Chimes/Strobes</b> <small>(28 46 13 31-2322)</small>		
28 46 13 31-2324 EA White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 Volt DC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW).....	200.98	36.01
<b>28 46 13 31-2325 Wall Mounted Chimes/Strobes</b> <small>(28 46 13 31-2322)</small>		
28 46 13 31-2326 EA Red, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR).....	200.98	36.01
28 46 13 31-2327 EA White, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW).....	200.98	36.01
<b>28 46 13 31-2328 Ceiling Mounted Horns/Strobes</b> <small>(28 46 13 31-2322)</small>		
28 46 13 31-2329 EA Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC).....	131.32	36.01
28 46 13 31-2330 EA White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC).....	161.58	36.01
<b>28 46 13 31-2331 Wall Mounted Horns/Strobes</b> <small>(28 46 13 31-2322)</small>		
28 46 13 31-2332 EA Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR).....	134.07	36.01
28 46 13 31-2333 EA Red, 24 Volt DC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR).....	249.48	36.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2334 EA Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR) .....	195.84	36.01
28 46 13 31-2335 EA White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW).....	195.84	36.01
28 46 13 31-2336 EA Red, Flush, 24 Volt AC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR) .....	235.47	36.01
28 46 13 31-2337 EA Red, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR).....	149.79	36.01
28 46 13 31-2338 EA Red, 115 Volt AC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR) .....	148.17	36.01
28 46 13 31-2339 EA Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR) .....	163.61	40.81
28 46 13 31-2340 EA Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR) .....	133.43	36.01
28 46 13 31-2341 EA White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW).....	133.43	36.01
28 46 13 31-2342 EA White, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FW).....	147.52	36.01
28 46 13 31-2343 EA Red, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR).....	195.84	36.01
28 46 13 31-2344 EA White, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW).....	195.84	36.01
<b>28 46 13 31-2345 Ceiling Mounted Strobes</b> <small>(28 46 13 31-2322)</small>		
28 46 13 31-2346 EA Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR) .....	125.49	36.01
28 46 13 31-2347 EA White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW).....	125.49	36.01
28 46 13 31-2348 EA Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC).....	145.44	36.01
28 46 13 31-2349 EA White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC) .....	120.63	36.01
28 46 13 31-2350 EA White, 24 Volt DC, Amber Lens, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, No Lettering (Wheelock RSSA-24MCC-NW) .....	133.91	36.01
28 46 13 31-2351 EA White, 24 Volt DC, Amber Lens, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, Red ALERT Lettering (Wheelock RSSA-24MCC-ALW) .....	135.05	36.01
28 46 13 31-2352 EA White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe With Fire Lettering (Wheelock RSS-24MCC-FW) .....	135.53	36.01
28 46 13 31-2353 EA Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Weatherproof Strobe With Fire Lettering (Wheelock RSSWP-2475C-FR).....	153.02	36.01
<b>28 46 13 31-2354 Wall Mounted Strobes</b> <small>(28 46 13 31-2322)</small>		
28 46 13 31-2355 EA Red, Multi-Candela, 24 Volt DC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR).....	188.99	36.01
28 46 13 31-2356 EA Red, Retrofit Plate, 12 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSP-121575W-FR) .....	152.38	36.01
28 46 13 31-2357 EA Red, 24 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR) .....	195.00	36.01
28 46 13 31-2358 EA Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR).....	124.19	36.01
28 46 13 31-2359 EA White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW) .....	124.19	36.01
28 46 13 31-2360 EA Red, Retrofit Plate, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSP-24MCW-FR) .....	132.62	36.01
28 46 13 31-2361 EA Outdoor, Red, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR).....	138.66	40.81
Note: Requires WPSBB-R.		
28 46 13 31-2362 EA Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STR) .....	121.44	36.01
28 46 13 31-2363 EA White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STW).....	121.44	36.01
28 46 13 31-2364 EA Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCWH-NW).....	143.96	36.01
28 46 13 31-2365 EA White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCW-NW) .....	125.65	36.01
28 46 13 31-2366 EA Weatherproof, White, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FW).....	165.81	40.81
Note: Requires WPSBB-R.		
28 46 13 31-2367 EA Interior, White, 24 Volt DC, Multi-Candela 135/185, Weatherproof Wall Mounted Strobe (Wheelock RSSWP-24MCWH-FW).....	164.77	36.01
<b>28 46 13 31-2368 Ceiling Mounted Speakers/Strobes</b> <small>(28 46 13 31-2322)</small>		
28 46 13 31-2369 EA Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR).....	152.38	36.01
28 46 13 31-2370 EA White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW).....	152.38	36.01
28 46 13 31-2371 EA White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW).....	152.38	36.01
28 46 13 31-2372 EA White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW) .....	154.00	36.01
28 46 13 31-2373 EA White, 24 Volt DC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW).....	163.07	36.01
28 46 13 31-2374 EA White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW) .....	175.71	36.01
28 46 13 31-2375 EA Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FR) .....	175.71	36.01
28 46 13 31-2376 EA Red, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FR) .....	155.30	36.01
28 46 13 31-2377 EA White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Square, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-NW).....	186.05	36.01
28 46 13 31-2378 EA Round, 2 Watt, 24 Volt DC, 15/30/75/95CD, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-NW).....	197.80	36.01
28 46 13 31-2379 EA White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Ceiling Mounted, Speaker/Strobe (Wheelock ET70WP-2475C-FW).....	209.54	36.01
<b>28 46 13 31-2380 Wall Mounted Speakers/Strobes</b> <small>(28 46 13 31-2322)</small>		
28 46 13 31-2381 EA Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR).....	275.94	36.01
28 46 13 31-2382 EA White, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW) .....	275.94	36.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2383 EA Red, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FR) .....	163.07	36.01
28 46 13 31-2384 EA White, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FW) .....	163.07	36.01
28 46 13 31-2385 EA Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR) .....	152.38	36.01
28 46 13 31-2386 EA White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW) .....	149.79	36.01
28 46 13 31-2387 EA Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR) .....	163.07	36.01
28 46 13 31-2388 EA White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW) .....	163.07	36.01
28 46 13 31-2389 EA Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR) .....	272.83	36.01
28 46 13 31-2390 EA Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR) .....	154.00	36.01
28 46 13 31-2391 EA White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW) .....	152.70	36.01
28 46 13 31-2392 EA Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR) .....	265.82	36.01
28 46 13 31-2393 EA White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW) .....	272.83	36.01
28 46 13 31-2394 EA Red, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR) .....	175.71	36.01
28 46 13 31-2395 EA White, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW) .....	175.71	36.01
28 46 13 31-2396 EA Weatherproof, Red, 24 Volt DC, 75 Candela, Wall Mounted Speaker Strobe (Wheelock ET70WP-2475 W-FR) .....	295.67	40.81
Note: Requires weatherproof backbox (IOB).		
28 46 13 31-2397 EA Interior, Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FR) .....	140.39	36.01
28 46 13 31-2398 EA Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FW) .....	135.53	36.01
28 46 13 31-2399 EA White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Round, Wall Mounted Speaker/Strobe (Wheelock E60-24MCW-FW) .....	197.80	36.01
28 46 13 31-2400 EA Red, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR) .....	209.54	36.01
28 46 13 31-2401 EA White, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW) .....	213.95	36.01
28 46 13 31-2402 EA White, 8 Watt, 24 VDC, 15/30/75/110 Candela, No Lettering, Wall Mounted, Speaker/Strobe (Wheelock ET70-24MCW-NW) .....	221.29	36.01
28 46 13 31-2403 EA Red, 8 Watts, Weatherproof, 185 Candela, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-24185W-FR) .....	226.67	36.01
28 46 13 31-2404 EA Red, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FR) .....	223.25	36.01
Note: Requires IOB		
28 46 13 31-2405 EA White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FW) .....	221.29	36.01
Note: Requires IOB		
<b>28 46 13 31-2406 Electric Alarm Bells</b> <small>(28 46 13 31-2322)</small>		
28 46 13 31-2407 EA 6" Diameter, 24 Volt DC, Red, Vibrating Bell (Wheelock 43T-G6-24-R) .....	148.49	36.01
28 46 13 31-2408 EA 6" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G6-115-R) .....	143.31	36.01
28 46 13 31-2409 EA 10" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G10-115-R) .....	177.98	36.01
28 46 13 31-2410 EA 10" Diameter, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSX10-115-R) .....	1,375.03	40.81
28 46 13 31-2411 EA 10" Diameter, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSXG10-115-R) .....	2,220.01	40.81
28 46 13 31-2412 EA 10" Diameter, Vibrating, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CVXG10-115-R) .....	3,155.85	40.81
28 46 13 31-2413 EA 6", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G6-24-R) .....	119.17	36.01
28 46 13 31-2414 EA 10", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G10-24-R) .....	173.82	36.01
28 46 13 31-2415 EA 6", ADA, 12 Volt DC, Red, Motor Bell (Wheelock MB-G6-12-R) .....	121.12	36.01
28 46 13 31-2416 EA 10", ADA, 12 Volt DC, Red, Indoor/Outdoor Motor Bell (Wheelock MB-G10-12-R) .....	172.11	36.01
<b>28 46 13 31-2417 Horns</b> <small>(28 46 13 31-2322)</small>		
28 46 13 31-2418 EA Two Wire, 24 Volt DC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non Sync Horn (Wheelock AH-24WP-R) .....	134.29	36.01
28 46 13 31-2419 EA Red, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNR) .....	100.93	36.01
28 46 13 31-2420 EA White, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNW) .....	100.93	36.01
28 46 13 31-2421 EA Red, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNRC) .....	101.64	36.01
28 46 13 31-2422 EA White, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNBC) .....	101.64	36.01
28 46 13 31-2423 EA Red, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R) .....	89.66	36.01
28 46 13 31-2424 EA White, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W) .....	89.66	36.01
28 46 13 31-2425 EA Red, Flush, 12/24 Volt AC, Horn (Wheelock MT-12/24-R) .....	101.64	36.01
28 46 13 31-2426 EA Red, 24 Volt DC, Four Wire, Wall Mounted Horn (Wheelock HS-24-R) .....	127.82	36.01
<b>28 46 13 31-2427 Speakers</b> <small>(28 46 13 31-2322)</small>		
28 46 13 31-2428 EA Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-R) .....	103.72	36.01
28 46 13 31-2429 EA White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-W) .....	103.72	36.01
28 46 13 31-2430 EA Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-R) .....	103.72	36.01
28 46 13 31-2431 EA White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-W) .....	102.29	36.01
28 46 13 31-2432 EA Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-R) .....	103.72	36.01
28 46 13 31-2433 EA White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-W) .....	103.72	36.01
28 46 13 31-2434 EA Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-R) .....	103.72	36.01
28 46 13 31-2435 EA White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-W) .....	103.72	36.01
28 46 13 31-2436 EA Red, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-R) .....	119.33	36.01
28 46 13 31-2437 EA White, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-W) .....	119.33	36.01
28 46 13 31-2438 EA White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watt Ceiling Mounted Speaker (Wheelock ET90-W) .....	120.63	36.01
28 46 13 31-2439 EA Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R) .....	173.33	36.01
28 46 13 31-2440 EA Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R) .....	156.20	36.01
28 46 13 31-2441 EA Grey, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15S) .....	221.07	36.01
28 46 13 31-2442 EA Red, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15SR) .....	221.07	36.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2443 EA Red, 1/8 To 8 Watts, Square, Surface Mounted, Vandal Resistant Speaker (Wheelock ET-1010-R) .....	173.33	36.01
28 46 13 31-2444 EA White, 8 Watts, Wall/Ceiling Mounted, Vandal Resistant Speaker (Wheelock ET-1010-W) .....	175.29	36.01
28 46 13 31-2445 EA Red, 1/8 To 8 Watts, Square, Flush Mounted, Vandal Resistant Speaker (Wheelock ET-1080-R) .....	156.20	36.01
28 46 13 31-2446 EA White, 8", 25/70 Volt, 15/30/75/95 Candela, Round, Ceiling Mounted, Speaker (Wheelock S8-24MCC-FW) .....	234.01	36.01
28 46 13 31-2447 EA White, 8", 25/70 Volt, Round, Ceiling Mounted, Speaker (Wheelock S8-70/25) .....	167.95	36.01
<b>28 46 13 31-2448 Sync Modules</b> <small>(28 46 13 31-2322)</small>		
28 46 13 31-2449 EA 12 Or 24 Volt DC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R) .....	169.43	24.01
<b>28 46 13 31-2450 Boxes, Plates And Rings</b> <small>(28 46 13 31-2322)</small>		
28 46 13 31-2451 EA 4" Square, Red, Surface Backbox (Wheelock BB-R) .....	31.11	12.00
28 46 13 31-2452 EA Standard 4" Square Box (Wheelock BB-STD) .....	31.64	12.00
28 46 13 31-2453 EA Black, Backbox For UZC-256 (Wheelock BB-UZC) .....	206.09	24.01
28 46 13 31-2454 EA Red, Backbox For UZC-256 (Wheelock BB-UZC-R) .....	206.09	24.01
28 46 13 31-2455 EA 9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP) .....	158.80	19.20
28 46 13 31-2456 EA Red, Extender Ring For E60 Series (Wheelock E60EXT-R) .....	15.96	4.80
28 46 13 31-2457 EA White, Extender Ring For E60 Series (Wheelock E60EXT-W) .....	15.96	4.80
28 46 13 31-2458 EA Red, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-R) .....	38.78	12.00
28 46 13 31-2459 EA White, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-W) .....	36.71	12.00
28 46 13 31-2460 EA Red, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-R) .....	38.78	12.00
28 46 13 31-2461 EA White, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-W) .....	38.78	12.00
28 46 13 31-2462 EA 4" Square Backbox (Wheelock DBB-R) .....	32.43	12.00
28 46 13 31-2463 EA Red, Surface Backbox (Wheelock IOB-R) .....	37.42	12.00
28 46 13 31-2464 EA White, Surface, Backbox (Wheelock IOB-W) .....	37.42	12.00
28 46 13 31-2465 EA White, Indoor, Surface Extender (Wheelock ISP2-W) .....	15.28	4.80
28 46 13 31-2466 EA Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R) .....	22.84	4.80
28 46 13 31-2467 EA White, RS/RSS Strobe Trim Plate (Wheelock NATP-W) .....	22.84	4.80
28 46 13 31-2468 EA Red Retrofit Plate (Wheelock RP-R) .....	18.03	4.80
28 46 13 31-2469 EA 4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4) .....	34.37	4.80
28 46 13 31-2470 EA Red, Surface Mounted, Backbox For Chimes, Speakers (Wheelock SBB-R) .....	39.11	12.00
28 46 13 31-2471 EA White, Surface Mounted, Backbox For Chimes, Speaker (Wheelock SBB-W) .....	39.56	12.00
28 46 13 31-2472 EA Red, Surface Mounted, Backbox For With RSSP (Wheelock SBL2-R) .....	41.96	12.00
28 46 13 31-2473 EA Red, Semi-Flush Plate (Wheelock SFB-R) .....	24.01	4.80
28 46 13 31-2474 EA White, Semi-Flush Plate (Wheelock SFB-W) .....	24.01	4.80
28 46 13 31-2475 EA Red, Shallow Surface Mounted, Backbox (Wheelock SHBB-R) .....	34.60	12.00
28 46 13 31-2476 EA White, Shallow Surface Mounted, Backbox (Wheelock SHBB-W) .....	34.60	12.00
28 46 13 31-2477 EA Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R) .....	22.31	4.80
28 46 13 31-2478 EA Red, Weather Resistant Backbox (Wheelock WBB-R) .....	38.53	12.00
28 46 13 31-2479 EA Silver, Weather Resistant Backbox (Wheelock WBB-S) .....	38.53	12.00
28 46 13 31-2480 EA White, Weather Resistant Backbox (Wheelock WBB-W) .....	38.53	12.00
28 46 13 31-2481 EA Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R) .....	27.24	4.80
28 46 13 31-2482 EA White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W) .....	27.24	4.80
28 46 13 31-2483 EA Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R) .....	27.24	4.80
28 46 13 31-2484 EA White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W) .....	27.24	4.80
28 46 13 31-2485 EA Gasket Kit For Rear Wiring To Outdoor Backbox (Wheelock WP-KIT) .....	20.33	4.80
28 46 13 31-2486 EA Weather Resistant Backbox For ASWP (Wheelock WPBB-R) .....	50.63	12.00
28 46 13 31-2487 EA Weather Resistant Backbox For RSSWP (Wheelock WPSBB-R) .....	46.33	12.00
28 46 13 31-2488 EA Red Plate For RSS (Wheelock RSSCP-R) .....	15.28	4.80
28 46 13 31-2489 EA White Plate For RSS (Wheelock RSSCP-W) .....	15.28	4.80
28 46 13 31-2490 EA Red Fire Plate For RSS (Wheelock RSSCPW-FR) .....	15.96	4.80
28 46 13 31-2491 EA White Fire Plate For RSS (Wheelock RSSCPW-FW) .....	15.96	4.80
28 46 13 31-2492 EA Red, Indoor, Surface Extender (Wheelock ISP2-R) .....	15.57	4.80
28 46 13 31-2493 EA Red, 24 Volt DC, 135/185 Candela, Wall Mounted Strobe Plate (Wheelock RSSP-24MCHW-FR) .....	127.06	4.80
28 46 13 31-2494 EA White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-ALW) .....	113.85	4.80
28 46 13 31-2495 EA White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, No Lettering, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-NW) .....	111.89	4.80
28 46 13 31-2496 EA White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, ALERT Lettering, Wall Mounted Strobe Plate (Wheelock RSSPA-24MCW-ALW) .....	113.85	4.80
28 46 13 31-2497 EA Red, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-R) .....	18.76	4.80
28 46 13 31-2498 EA White, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-W) .....	18.17	4.80
28 46 13 31-2499 EA Red, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-R) .....	19.20	4.80
28 46 13 31-2500 EA White, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-W) .....	19.20	4.80
28 46 13 31-2501 EA White, Fire Lettered, Grill Plate For E50 Speaker/Strobe (Wheelock ECHSG50-FW) .....	18.17	4.80
28 46 13 31-2502 EA Red, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FR) .....	19.10	4.80
28 46 13 31-2503 EA White, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FW) .....	19.10	4.80
28 46 13 31-2504 EA Red, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-R) .....	18.17	4.80
28 46 13 31-2505 EA White, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-W) .....	18.17	4.80
28 46 13 31-2506 EA Red, Surface Mounted, Extender Ring (Wheelock SER-R) .....	25.61	4.80
28 46 13 31-2507 EA White, Surface Mounted, Extender Ring (Wheelock SER-W) .....	25.91	4.80
28 46 13 31-2508 EA Red, Semi-Flush, Plate (Wheelock SFP-R) .....	20.33	4.80
28 46 13 31-2509 EA Silver, Semi-Flush, Plate (Wheelock SFP-S) .....	19.20	4.80
28 46 13 31-2510 EA White, Semi-Flush, Plate (Wheelock SFP-W) .....	20.33	4.80
28 46 13 31-2511 EA Red, Weather Resistant Back Box For ASWP (Wheelock WPBB-R) .....	50.63	12.00
28 46 13 31-2512 EA Red, Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R) .....	46.33	12.00
28 46 13 31-2513 EA White, Weather Resistant Back Box For RSSWP Series (Wheelock WPSBB-W) .....	46.33	12.00
<b>28 46 13 31-2514 Manual Pull Station</b> <small>(28 46 13 31-2322)</small>		

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2515	EA		SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100).....	120.27	24.01
28 46 13 31-2516	EA		SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200).....	120.27	24.01
28 46 13 31-2517	EA		Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X).....	1,138.98	24.01
<b>28 46 13 31-2518</b>			<b>Potter Fire Alarm (28 46 13 31)</b>		
<b>28 46 13 31-2519</b>			<b>Electric Alarm Bells (28 46 13 31-2518)</b>		
28 46 13 31-2520	EA		6" Alarm Bell, 12 Volt DC (Potter MBA-6-12).....	109.47	36.01
28 46 13 31-2521	EA		8" Alarm Bell, 12 Volt DC (Potter MBA-8-12).....	121.29	36.01
28 46 13 31-2522	EA		10" Alarm Bell, 12 Volt DC (Potter MBA-10-12).....	127.20	36.01
28 46 13 31-2523	EA		6" Alarm Bell, 24 Volt DC (Potter MBA-6-24).....	109.47	36.01
28 46 13 31-2524	EA		8" Alarm Bell, 24 Volt DC (Potter MBA-8-24).....	121.29	36.01
28 46 13 31-2525	EA		10" Alarm Bell, 24 Volt DC (Potter MBA-10-24).....	127.20	36.01
28 46 13 31-2526	EA		6" Alarm Bell, 24 Volt AC (Potter PBA246).....	119.50	36.01
28 46 13 31-2527	EA		8" Alarm Bell, 24 Volt AC (Potter PBA248).....	125.18	36.01
28 46 13 31-2528	EA		10" Alarm Bell, 24 Volt AC (Potter PBA2410).....	158.60	36.01
28 46 13 31-2529	EA		6" Alarm Bell, 120 Volt AC (Potter PBA1206).....	111.17	36.01
28 46 13 31-2530	EA		8" Alarm Bell, 120 Volt AC (Potter PBA1208).....	125.18	36.01
28 46 13 31-2531	EA		10" Alarm Bell, 120 Volt AC (Potter PBA12010).....	136.89	36.01
<b>28 46 13 31-2532</b>			<b>Manual Pull Station (28 46 13 31-2518)</b>		
28 46 13 31-2533	EA		SPST, Single Action, Manual Pull Station (Potter P32-1T).....	81.54	24.01
28 46 13 31-2534	EA		DPST, Single Action, Manual Pull Station (Potter RMS-2T).....	86.90	24.01
28 46 13 31-2535	EA		DPST, Single Action, Manual Pull Station (Potter RMS-6T).....	147.33	24.01
28 46 13 31-2536	EA		DPST, Single Action, Key Reset Manual Pull Station (Potter RMS-1T-KL).....	90.24	24.01
28 46 13 31-2537	EA		SPST, Dual Action, Manual Pull Station (Potter P32-1T-LP).....	84.58	24.01
28 46 13 31-2538	EA		SPST, Weather Proof, Manual Pull Station (Potter RMS-1T-WP).....	166.23	24.01
28 46 13 31-2539	EA		SPST, Weather Proof Dual Action, Manual Pull Station (Potter RMS-1T-WP-LP).....	211.30	24.01
<b>28 46 13 31-2540</b>			<b>Fire Alarm Terminal Cabinets (28 46 13 31)</b>		
28 46 13 31-2541	EA		18 Point Lockable Fire Alarm Terminal Cabinet.....	222.42	48.12
28 46 13 31-2542	EA		32 Point Lockable Fire Alarm Terminal Cabinet.....	298.15	48.12
28 46 13 31-2543	EA		64 Point Lockable Fire Alarm Terminal Cabinet.....	449.60	48.12
28 46 13 31-2544	EA		128 Point Lockable Fire Alarm Terminal Cabinet.....	601.00	48.12
<b>28 46 13 31-2545</b>			<b>Test And Certification Of Fire Alarm System (28 46 13 31)</b>		
28 46 13 31-2546	HR		Test And Certification Of Fire Alarm System.....	238.18	
<b>28 46 13 31-2547</b>			<b>Programming Of Fire Alarm System (28 46 13 31)</b>		
28 46 13 31-2548	HR		Programming Of Fire Alarm System.....	285.82	
<b>28 46 13 31-2549</b>			<b>Removal And Reinstallation Of Smoke Detector (28 46 13 31)</b>		
			Note: Includes storage, cleaning and supply materials.		
28 46 13 31-2550	EA		Removal And Reinstallation Of Ceiling Mounted Smoke Detector.....	134.46	
28 46 13 31-2551	EA		Removal And Reinstallation Of Wall Mounted Smoke Detector.....	108.04	
<b>28 46 13 31-2552</b>			<b>Kidde Fire Safety Equipment (28 46 13 31)</b>		
<b>28 46 13 31-2553</b>			<b>Smoke Detectors (28 46 13 31-2552)</b>		
28 46 13 31-2554	EA		Combination Smoke And Carbon Monoxide Detector, 120 Volt Wired, With Battery Back-up (Kidde i12010SCO).....	140.60	36.01
28 46 13 31-2555	EA		Combination Smoke And Carbon Monoxide Detector, With Battery Back-up (Kidde P3010K-CO).....	118.35	36.01
<b>28 46 31</b>			<b>Fire-Alarm Initiating Devices (28 46)</b>		
<b>28 46 31 11</b>			<b>Heat-Sensing Fire Detectors (28 46 31)</b>		
<b>28 46 31 11-0001</b>			<b>Protectowire Fire Alarm (28 46 31 11)</b>		
<b>28 46 31 11-0002</b>			<b>Linear Heat Detector Cable (28 46 31 11-0001)</b>		
28 46 31 11-0003	LF		Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC).....	5.30	
28 46 31 11-0004	LF		Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M).....	5.77	
28 46 31 11-0005	LF		High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR).....	5.77	
28 46 31 11-0006	LF		High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M).....	6.24	
28 46 31 11-0007	LF		Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT).....	6.54	
28 46 31 11-0008	LF		Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M).....	7.01	
28 46 31 11-0009	EA		Flexible Lead Connector For Linear Heat Detector (Protectowire PFL).....	61.63	
28 46 31 11-0010	EA		Splicing Connector For Linear Heat Detector (Protectowire PWSC).....	25.88	
28 46 31 11-0011	EA		Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W).....	8.07	
28 46 31 11-0012	EA		Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2).....	8.07	
28 46 31 11-0013	EA		Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO).....	8.74	
28 46 31 11-0014	EA		Beam Clamp For Linear Heat Detector (Protectowire BC-2).....	13.66	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 31 11-0015 EA Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P).....	14.28	
28 46 31 11-0016 EA Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A).....	1.56	
28 46 31 11-0017 EA Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B).....	2.13	
28 46 31 11-0018 EA Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C).....	9.47	
<b>28 46 41 Fire-Alarm Notification Appliances (28 46)</b>		
<b>28 46 41 11 Audible Fire-Alarm Notification Appliances (28 46 41)</b>		
See CSI section 28 46 13 31-0000 for fire alarm speakers.		
<b>28 46 41 31 Combination Fire-Alarm Notification Appliances (28 46 41)</b>		
See CSI section 28 46 13 31-0000 for fire alarm horns and strobes.		
<b>28 47 Mass Notification (28 40)</b>		
<b>28 47 15 Mass Notification Control Panels (28 47)</b>		
<b>28 47 15 00-0001 Central Station Controls (28 47 15)</b>		
28 47 15 00-0002 EA Desktop 18 Function Base Station Control/Encoder (Whelen E747).....	931.02	
28 47 15 00-0003 EA Desktop 35 Function Base Station Control/Encoder (Whelen E969).....	1,516.94	
28 47 15 00-0004 EA Desktop Central Station Control Encoder/Decoder (Whelen E2010).....	4,377.57	
28 47 15 00-0005 EA Siren Status Printer And Cable Option For E2010 (Whelen E2010P).....	1,355.53	24.01
28 47 15 00-0006 EA Rack Mounted Central Station Control Encoder/Decoder (Whelen E2010R).....	5,029.01	24.01
28 47 15 00-0007 EA Internal Option To Convert E2010 To FSK Format (Whelen E2010FSK).....	748.47	24.01
28 47 15 00-0008 EA Option To Convert Activation Controls To FSK Format (Whelen FSKCEO).....	817.26	24.01
<b>28 47 17 Notification Devices and Methods (28 47)</b>		
<b>28 47 17 17 Notification Appliances and Methods Public Methods (28 47 17)</b>		
<b>28 47 17 17-0001 Voice Capable Omni-Directional Speakers (28 47 17 17)</b>		
28 47 17 17-0002 EA 1 Cell, 109 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2901A).....	12,600.43	648.88
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0003 EA 2 Cells, 115 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2902A).....	15,481.10	677.10
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0004 EA 3 Cells, 119 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2903A).....	18,325.81	705.30
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0005 EA 4 Cells, 121 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2904A).....	21,170.53	733.52
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0006 EA 5 Cells, 123 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2905A).....	24,087.15	761.73
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0007 EA 6 Cells, 125 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2906A).....	28,980.77	789.95
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0008 EA 7 Cells, 126 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2907A).....	31,861.44	818.16
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0009 EA 8 Cells, 127 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2908A).....	35,329.22	846.37
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0010 EA 9 Cells, 128 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2909A).....	38,173.95	874.58
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0011 EA 10 Cells, 129 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2910A).....	41,054.62	902.80
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0012 EA 3 Cells, 127 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4003).....	27,902.40	789.95
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0013 EA 4 Cells, 129 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4004).....	29,740.65	818.16
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0014 EA One-Way Control, 10 Digit DTMF Landline (Whelen D2030LL).....	458.11	24.01
28 47 17 17-0015 EA VHF High-Band Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NV).....	2,108.91	24.01
28 47 17 17-0016 EA UHF Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NU).....	2,108.91	24.01
28 47 17 17-0017 EA UHF Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WU).....	1,905.21	24.01
28 47 17 17-0018 EA VHF High-Band Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WV).....	1,845.30	24.01
28 47 17 17-0019 EA Two-Tone Sequential Option (Whelen WPSTT).....	422.88	24.01
28 47 17 17-0020 EA Full Function Auxiliary/Status Board For Contact Closure Activation (Two Way) (Whelen AUXCS).....	543.26	24.01
28 47 17 17-0021 EA Landline, 10 Digit DTMF (Whelen C2030LL).....	564.79	24.01
28 47 17 17-0022 EA VHF High-Band Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NV).....	3,009.26	24.01
28 47 17 17-0023 EA UHF Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NU).....	2,312.60	24.01
28 47 17 17-0024 EA UHF Wide-Band, 10 Digit DTMF (Whelen C2030WU).....	2,312.60	24.01
28 47 17 17-0025 EA VHF High-Wide Band, 10 Digit DTMF (Whelen C2030WV).....	2,312.60	24.01
28 47 17 17-0026 EA Option To Convert WPS Activation Controls To FSK Format (Whelen FSKXMOD).....	817.26	24.01
28 47 17 17-0027 EA Cabinet Window LED Status Indicator (Whelen STATUS).....	553.90	24.01
28 47 17 17-0028 EA Paging Interface Whelen Tones With Existing In-Plant Systems (Whelen PGINT).....	346.54	24.01
28 47 17 17-0029 EA Intrusion Alarm (Whelen INTRUWPS).....	261.39	24.01
28 47 17 17-0030 EA Custom Pre-Recorded Messages (One Time Set-Up Charge Per Message) (Whelen MSGPROG).....	186.94	
28 47 17 17-0031 EA Whelen Library Messages (Whelen MSGPROGL).....	37.44	
28 47 17 17-0032 EA Noise Cancelling Microphone Includes Local Microphone Input Harness (Whelen WPSNCMIC).....	138.55	24.01
28 47 17 17-0033 EA One Pair Of Whelen Approved Batteries (Whelen WPSBATT).....	1,068.92	36.01
28 47 17 17-0034 EA WPS And OA Series, Roof Top Mounted (Whelen RTM).....	9,779.67	620.67
28 47 17 17-0035 EA Two 80 Watt Panels, Solar Power System (Whelen SBC280).....	4,206.20	144.06
Note: Includes mounting bracket and regulator.		
28 47 17 17-0036 EA Amber, 6 LED Lights For The Base Of WPS Series (Whelen VALERTA).....	2,156.88	36.01
28 47 17 17-0037 EA Blue, 6 LED Lights For The Base Of WPS Series (Whelen VALERTB).....	2,156.88	36.01
28 47 17 17-0038 EA Clear, 6 LED Lights For The Base Of WPS Series (Whelen VALERTC).....	2,156.88	36.01
28 47 17 17-0039 EA Green, 6 LED Lights For The Base Of WPS Series (Whelen VALERTG).....	2,156.88	36.01



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0040	EA		Red, 6 LED Lights For The Base Of WPS Series Products (Whelen VALERTR) .....	2,156.88	36.01
28 47 17 17-0041	EA		Amber, 24 Volt DC, LED, Beacon (Whelen L31HAF4) .....	686.68	36.01
28 47 17 17-0042	EA		Blue, 24 Volt DC, LED, Beacon (Whelen L31HBF4) .....	686.68	36.01
28 47 17 17-0043	EA		Red, 24 Volt DC, LED, Beacon (Whelen L31HRF4) .....	686.68	36.01
28 47 17 17-0044	EA		Amber, 24 Volt DC, Strobe (Whelen ISB24A) .....	534.97	36.01
28 47 17 17-0045	EA		Blue, 24 Volt DC, Strobe (Whelen ISB24B) .....	534.97	36.01
28 47 17 17-0046	EA		Clear, 24 Volt DC, Strobe (Whelen ISB24C) .....	534.97	36.01
28 47 17 17-0047	EA		Green, 24 Volt DC, Strobe (Whelen ISB24G) .....	534.97	36.01
28 47 17 17-0048	EA		Red, 24 Volt DC, Strobe (Whelen ISB24R) .....	534.97	36.01
28 47 17 17-0049	EA		Strobe/LED Controller With Mounting Plate, Hardware And Harnessing For ISB24 (Whelen SCWPS) .....	830.44	24.01
28 47 17 17-0050	EA		Strobe Controller (Whelen STCTRL) .....	569.69	24.01
28 47 17 17-0051	EA		LED Controller (Whelen LEDCTRL) .....	569.69	24.01
28 47 17 17-0052	EA		Speaker Driver Handle/Plate Assembly Only (Less Speaker Driver) (Whelen EZ-PULL) .....	383.34	36.01
28 47 17 17-0053	EA		Siren Diagnostic and Programming Software In CD Format (Whelen SDPTS) .....	458.31	
28 47 17 17-0054	EA		400 Watt Speaker Driver (Whelen SPKDRV) .....	792.84	24.01
28 47 17 17-0055	EA		Cabinet Window LED Status Indicator (Whelen STATUS) .....	394.49	24.01
28 47 17 17-0056	EA		Noise Cancelling Microphone Option For Encoder (Whelen WPSMIC) .....	138.55	24.01
28 47 17 17-0057	EA		Notifier/Whelen Interface Board (Whelen NAUXCS) .....	784.03	24.01
<b>28 47 17 17-0058</b>			<b>Tone Only, Omni-Alert Sirens (28 47 17 17)</b>		
28 47 17 17-0059	EA		One Cell, Tone Only, Omni-Alert Siren (Whelen OA1) .....	10,103.18	620.67
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0060	EA		Two Cell, Tone Only, Omni-Alert Siren (Whelen OA2) .....	12,720.25	648.88
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0061	EA		Three Cell, Tone Only, Omni-Alert Siren (Whelen OA3) .....	15,313.35	677.10
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0062	EA		Four Cell, Tone Only, Omni-Alert Siren (Whelen OA4) .....	17,966.35	705.30
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0063	EA		One Way Controls, Auxiliary Board For Contact Closure Activation (Whelen OAUXIN) .....	290.05	24.01
28 47 17 17-0064	EA		One Way Landline Activation, 10 Digit DTMF (Whelen OD2030LL) .....	458.11	24.01
28 47 17 17-0065	EA		VHF High-Narrow Band, 10 Digit DTMF (Whelen OD230NV) .....	2,108.91	24.01
28 47 17 17-0066	EA		UHF Narrow-Band, 10 Digit DTMF (Whelen OD230NU) .....	2,108.91	24.01
28 47 17 17-0067	EA		UHF Wide-Band, 10 Digit DTMF (Whelen OD230WU) .....	1,905.21	24.01
28 47 17 17-0068	EA		VHF High-Wide Band, 10 Digit DTMF (Whelen OD230WV) .....	1,845.30	24.01
28 47 17 17-0069	EA		One-Way Control Two-Tone Sequential Option (Whelen OTT) .....	368.07	24.01
28 47 17 17-0070	EA		Two Way Controls, Contact Closure Activation Board (Whelen OAUXCS) .....	654.30	24.01
28 47 17 17-0071	EA		Two Way Landline Activation (Whelen OC2030LL) .....	680.66	24.01
28 47 17 17-0072	EA		VHF High-Narrow Band, 10 Digit DTMF (Whelen OC230NV) .....	2,312.60	24.01
28 47 17 17-0073	EA		UHF Narrow-Band, 10 Digit DTMF (Whelen OC230NU) .....	2,312.60	24.01
28 47 17 17-0074	EA		UHF, 10 Digit DTMF (Whelen OC230WU) .....	2,312.60	24.01
28 47 17 17-0075	EA		VHF High Band, 10 Digit DTMF (Whelen OC230WV) .....	2,312.60	24.01
28 47 17 17-0076	EA		Converts The Omni-Alert Siren Activation Controls To FSK Format (Whelen OFSKXMOD) .....	817.26	24.01
28 47 17 17-0077	EA		Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen OPGINT) .....	346.54	24.01
28 47 17 17-0078	EA		Cabinet Window LED Status Indicator (Whelen OSTATUS) .....	394.49	24.01
28 47 17 17-0079	EA		Intrusion Alarm (Whelen OINTRU) .....	208.53	24.01
28 47 17 17-0080	EA		80 Watt Solar Power Option (Whelen OSBC280) .....	4,206.20	144.06
28 47 17 17-0081	EA		One Pair Of Whelen Approved Batteries For Omniaert (Whelen BSETO) .....	804.13	36.01
<b>28 47 17 17-0082</b>			<b>Tone-Only Rotating Directional Speakers (28 47 17 17)</b>		
28 47 17 17-0083	EA		3 Cells, 127 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR3) .....	21,410.17	733.52
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0084	EA		4 Cells, 129 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR4) .....	22,721.21	761.73
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0085	EA		Limited Function Auxiliary Board For Contact Closure Activation (Whelen VAUXIN) .....	245.73	24.01
28 47 17 17-0086	EA		Landline, 10 Digit DTMF (Whelen VD2030LL) .....	550.06	24.01
28 47 17 17-0087	EA		VHF High-Narrow Band, 10 Digit DTMF (Whelen VD230NV) .....	2,108.91	24.01
28 47 17 17-0088	EA		UHF Narrow-Band, 10 Digit DTMF (Whelen VD230NU) .....	2,108.91	24.01
28 47 17 17-0089	EA		UHF Wide-Band, 10 Digit DTMF (Whelen VD230WU) .....	1,905.21	24.01
28 47 17 17-0090	EA		VHF High-Wide Band, 10 Digit DTMF (Whelen VD230WV) .....	1,845.30	24.01
28 47 17 17-0091	EA		Two-Tone Sequential Option (Order One-Way Control Option, Above, VD2020LI, VD2020H, VD2020U) (Whelen VORTT) .....	368.07	24.01
28 47 17 17-0092	EA		Full Function Auxiliary/Status Control Board For Contact Closure Activation (Whelen VAUXCS) .....	641.12	24.01
28 47 17 17-0093	EA		Landline, 10 Digit DTMF (Whelen VC2030LL) .....	680.66	24.01
28 47 17 17-0094	EA		VHF High-Narrow Band, 10 Digit DTMF (Whelen VC230NV) .....	2,312.60	24.01
28 47 17 17-0095	EA		UHF Narrow-Band, 10 Digit DTMF (Whelen VC230NU) .....	2,312.60	24.01
28 47 17 17-0096	EA		UHF, 10 Digit DTMF (Whelen VC230WU) .....	2,312.60	24.01
28 47 17 17-0097	EA		VHF High Band, 10 Digit DTMF (Whelen VC230WV) .....	2,312.60	24.01
28 47 17 17-0098	EA		Option To Convert The Vortex Activation Controls To FSK Format (Whelen VFASKXMOD) .....	817.26	24.01
28 47 17 17-0099	EA		Cabinet Window LED Status Indicator (Whelen VSTATUS) .....	472.18	24.01
28 47 17 17-0100	EA		Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen VPGINT) .....	346.54	24.01
28 47 17 17-0101	EA		Vortex Intrusion Alarm (Whelen VINTRU) .....	208.53	24.01
28 47 17 17-0102	EA		Speaker Pole Top Bracket (Whelen VPTB) .....	654.30	24.01
28 47 17 17-0103	EA		80 Watt Solar Power Option (Whelen VSBC280) .....	4,206.20	144.06
28 47 17 17-0104	EA		One Pair Of Whelen Approved Batteries For Vortex Series (Whelen BSETVOR) .....	804.13	36.01
28 47 17 17-0105	EA		Program Charge For Custom VROM Message (Whelen VPROG) .....	3,469.57	
<b>28 47 17 17-0106</b>			<b>Uni-Directional Rotating Speakers (28 47 17 17)</b>		
28 47 17 17-0107	EA		118 dB, Uni-Directional Rotating Speaker (Whelen HORNET) .....	13,511.05	648.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0108 EA One Way Contact Closure Activation Control Board (Whelen HAUXIN).....	245.73	24.01
28 47 17 17-0109 EA Landline, One Way Control, 10 Digit DTMF (Whelen HD2030LL).....	550.06	24.01
28 47 17 17-0110 EA VHF High-Narrow Band, One Way Control, 10 Digit DTMF (Whelen HD230NV).....	2,108.91	24.01
28 47 17 17-0111 EA UHF Narrow-Band, One Way Control, 10 Digit DTMF (Whelen HD230NU).....	2,108.91	24.01
28 47 17 17-0112 EA UHF Wide-Band, One Way Control, 10 Digit DTMF (Whelen HD230WU).....	1,905.21	24.01
28 47 17 17-0113 EA VHF High-Wide Band, One Way Control, 10 Digit DTMF (Whelen HD230WV).....	1,845.30	24.01
28 47 17 17-0114 EA Two-Tone Sequential Option For Hornet (Whelen HORTT).....	439.83	24.01
28 47 17 17-0115 EA Two Way Contact Closure Activation And Status Control Board (Whelen HAUXCS).....	532.50	24.01
28 47 17 17-0116 EA Landline, Two Way Control, 10 Digit DTMF (Whelen HC2030LL).....	564.79	24.01
28 47 17 17-0117 EA VHF High-Narrow Band, Two Way Control, 10 Digit DTMF (Whelen HC230NV).....	2,312.60	24.01
28 47 17 17-0118 EA UHF Narrow-Band, Two Way Control, 10 Digit DTMF (Whelen HC230NU).....	2,312.60	24.01
28 47 17 17-0119 EA UHF, Two Way Control, 10 Digit DTMF (Whelen HC230WU).....	2,312.60	24.01
28 47 17 17-0120 EA VHF High Band, Two Way Control, 10 Digit DTMF (Whelen HC230WV).....	2,312.60	24.01
28 47 17 17-0121 EA Converts Siren Activation Controls To FSK Format (Whelen HFSKXMOD).....	817.26	24.01
28 47 17 17-0122 EA LED Status Indicator (Whelen HSTATUS).....	394.49	24.01
28 47 17 17-0123 EA Option For Paging Interface (Whelen HPGINT).....	346.54	24.01
28 47 17 17-0124 EA Intrusion Alarm (Whelen HINTRU).....	208.53	24.01
28 47 17 17-0125 EA Solar Power Option (Whelen HSBC280).....	4,206.20	144.06
28 47 17 17-0126 EA Pole Top Bracket For Speaker (Whelen HPTB).....	561.86	24.01
28 47 17 17-0127 EA One Pair Of Whelen Approved Batteries (Whelen BSETF).....	804.13	36.01
<b>28 47 17 17-0128 All Hazard In-Plant Personnel Warning System (28 47 17 17)</b>		
28 47 17 17-0129 EA 400 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS400).....	6,616.99	768.32
28 47 17 17-0130 EA 800 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS800).....	8,067.16	864.37
28 47 17 17-0131 EA 15 Watt, Wide Angle Speaker (Whelen WS15T).....	349.01	36.01
28 47 17 17-0132 EA Recess Mounted, 15 Watt Speaker (Whelen WS15TR).....	333.35	36.01
28 47 17 17-0133 EA With Grill, Recess Mounted, 15 Watt Speaker (Whelen WS15TEN).....	646.55	36.01
28 47 17 17-0134 EA 30 Watt, Wide Angle Speaker (Whelen WS30T).....	438.08	36.01
28 47 17 17-0135 EA 60 Watt, Wide Angle Speaker (Whelen WS60T).....	896.13	36.01
28 47 17 17-0136 EA Explosion-Proof, 60 Watt, Wide Angle Speaker (Whelen WSXPL6T).....	1,675.23	40.81
28 47 17 17-0137 EA 100 Watt, Wide Angle Speaker (Whelen WS100).....	567.27	36.01
28 47 17 17-0138 EA Weatherproof Housing, 100 Watt, Wide Angle Speaker (Whelen WS100TCH).....	890.08	40.81
28 47 17 17-0139 EA Intrusion Alarm For Whelen Outdoor Speaker Cabinets (Whelen INTRU).....	208.53	24.01
<b>28 47 17 17-0140 Firehouse Siren (28 47 17 17)</b>		
28 47 17 17-0141 EA Auxiliary Board Contact Closure (Whelen FAUXIN).....	245.73	24.01
28 47 17 17-0142 EA Two-Tone Sequential Option (Whelen FTT).....	368.07	24.01
28 47 17 17-0143 EA Auxiliary/Status Control Board (Whelen FAUXCS).....	641.12	24.01
28 47 17 17-0144 EA Landline, 10 Digit DTMF (Whelen FC2030LL).....	564.79	24.01
28 47 17 17-0145 EA VHF High-Narrow Band, 10 Digit DTMF (Whelen FC230NV).....	2,312.60	24.01
28 47 17 17-0146 EA UHF Narrow-Band, 10 Digit DTMF (Whelen FC230NU).....	2,312.60	24.01
28 47 17 17-0147 EA UHF, 10 Digit DTMF (Whelen FC230WU).....	2,312.60	24.01
28 47 17 17-0148 EA VHF High Band, 10 Digit DTMF (Whelen FC230WV).....	2,312.60	24.01
28 47 17 17-0149 EA Paging Interface Control Option (Whelen FPGINT).....	346.54	24.01
28 47 17 17-0150 EA Intrusion Alarm Control Option (Whelen FINTRU).....	208.53	24.01
28 47 17 17-0151 EA Solar Power Option (Whelen FSBC280).....	4,206.20	144.06
Note: Two 80 watt panels, with brackets and solar regulator.		
<b>28 47 17 17-0152 Alert Monitor And Message Display (28 47 17 17)</b>		
28 47 17 17-0153 EA Alert Monitor With Radio Receiver VHF High Band (Whelen V2000H).....	1,929.18	24.01
28 47 17 17-0154 EA Alert Monitor VHF High-Narrow Band (Whelen V2000NH).....	1,929.18	24.01
28 47 17 17-0155 EA Alert Monitor UHF Narrow-Band (Whelen V2000NU).....	1,929.18	24.01
28 47 17 17-0156 EA Alert Monitor With Radio Receiver UHF (Whelen V2000U).....	1,929.18	24.01
28 47 17 17-0157 EA Internal Battery And Charger For VA2000 Series (Whelen VA2BATT).....	215.90	36.01
28 47 17 17-0158 EA Mounting Bracket For Under Cabinet Or Vehicle Mounting - VA2000 Series (Whelen VA2MTG).....	58.79	24.01
28 47 17 17-0159 EA Factory Programming Of 1 To 15 VA2000 Display Messages (Whelen VA2PROGA).....	138.98	
28 47 17 17-0160 EA Factory Programming Of 16 To 45 VA2000 Display Messages (Whelen VA2PROGB).....	218.26	
<b>28 47 17 17-0161 Portable Test Set (28 47 17 17)</b>		
28 47 17 17-0162 EA VHF High Band, Portable Test Set (Whelen PT2010H).....	7,824.18	
28 47 17 17-0163 EA VHF Low Band, Portable Test Set (Whelen PT2010L).....	7,824.18	
28 47 17 17-0164 EA UHF, Portable Test Set (Whelen PT2010U).....	7,824.18	
<b>28 47 17 17-0165 Replacement Warning Lights (28 47 17 17)</b>		
28 47 17 17-0166 EA Amber, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IA).....	343.05	38.42
28 47 17 17-0167 EA Blue, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IB).....	343.05	38.42
28 47 17 17-0168 EA Clear, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IC).....	343.05	38.42
28 47 17 17-0169 EA Green, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IG).....	343.05	38.42
28 47 17 17-0170 EA Red, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IR).....	343.05	38.42
28 47 17 17-0171 EA Amber, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IA).....	369.47	38.42
28 47 17 17-0172 EA Blue, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IB).....	237.34	38.42
28 47 17 17-0173 EA Clear, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IC).....	365.56	38.42
28 47 17 17-0174 EA Green, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IG).....	365.56	38.42
28 47 17 17-0175 EA Red, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IR).....	365.56	38.42
28 47 17 17-0176 EA Amber, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HA).....	343.05	38.42

**28 Electronic Safety and Security****28 40 Life Safety****28 47 Mass Notification**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0177	EA		Blue, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HB) .....	343.05	38.42
28 47 17 17-0178	EA		Clear, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HC).....	343.05	38.42
28 47 17 17-0179	EA		Green, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HG) .....	343.05	38.42
28 47 17 17-0180	EA		Red, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HR).....	343.05	38.42
28 47 17 17-0181	EA		Amber, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HA) .....	385.13	38.42
28 47 17 17-0182	EA		Blue, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HB) .....	385.13	38.42
28 47 17 17-0183	EA		Clear, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HC).....	247.13	38.42
28 47 17 17-0184	EA		Green, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HG) .....	247.13	38.42
28 47 17 17-0185	EA		Red, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HR).....	247.13	38.42
<b>28 47 17 17-0186</b>			<b>Antenna (28 47 17 17)</b>		
28 47 17 17-0187	EA		50' Antenna Cable (Honeywell Ademco 7626-50HC) .....	287.10	
28 47 17 17-0188	EA		External/Remote Weatherproof Antenna (Honeywell Ademco GSM-ANT3DB).....	242.55	
28 47 17 17-0189	EA		80GHz Millimeter Wave Radio (BridgeWave Flex4G-1000) .....	14,483.58	
<b>28 49</b>			<b>Electronic Personal Protection Systems (28 49)</b>		
<b>28 49 11</b>			<b>Electronic Personal Safety Detection Systems (28 49)</b>		
<b>28 49 11 00-0001</b>			<b>Personnel Alarm Locating System (28 49 11)</b>		
			Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.		
28 49 11 00-0002	EA		Personnel Alarm Locating System.....	22,548.29	771.16
			Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.		
28 49 11 00-0003	EA		Personnel Alarm Transmitters With Lithium Batteries.....	182.05	
28 49 11 00-0004	EA		Lapel Reader .....	70.02	
28 49 11 00-0005	EA		IR Locator .....	239.78	28.87
28 49 11 00-0006	EA		Repeaters And Receivers.....	570.59	96.24
<b>28 49 17</b>			<b>Electronic Personal Safety Emergency Aid Devices (28 49)</b>		
<b>28 49 17 00-0001</b>			<b>Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) (28 49 17)</b>		
<b>28 49 17 00-0002</b>			<b>Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)</b>		
28 49 17 00-0003	EA		Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5) .....	300.79	57.74
			Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).		
28 49 17 00-0004	EA		Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5).....	357.54	67.37
			Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.		
28 49 17 00-0005	EA		Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5).....	360.47	67.37
			Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.		
<b>28 49 17 00-0006</b>			<b>Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)</b>		
28 49 17 00-0007	EA		High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5).....	224.92	36.08
28 49 17 00-0008	EA		High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5) .....	222.53	28.87
28 49 17 00-0009	EA		Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592).....	94.70	28.87
28 49 17 00-0010	EA		1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5).....	177.14	28.87
28 49 17 00-0011	EA		2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5).....	206.62	28.87
28 49 17 00-0012	EA		4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5).....	237.20	28.87
28 49 17 00-0013	EA		2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2) .....	335.53	28.87
28 49 17 00-0014	EA		4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4) .....	377.83	28.87
<b>28 49 17 00-0015</b>			<b>Call Activation Devices, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)</b>		
28 49 17 00-0016	EA		Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537).....	131.69	28.87
28 49 17 00-0017	EA		Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E) .....	201.95	28.87
28 49 17 00-0018	EA		Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E) .....	269.78	28.87
28 49 17 00-0019	EA		3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302).....	300.98	9.63
28 49 17 00-0020	EA		Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930) .....	208.22	28.87
28 49 17 00-0021	EA		Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L) .....	248.79	28.87
28 49 17 00-0022	EA		Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L) .....	433.66	28.87
28 49 17 00-0023	EA		Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620) .....	197.07	28.87
28 49 17 00-0024	EA		Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675) .....	253.57	9.63
28 49 17 00-0025	EA		Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676) .....	395.16	9.63



<b>Electronic Safety and Security</b>	<b>28</b>	<b>28</b>
Life Safety	28 40	
Electronic Personal Protection Systems	28 49	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 49 17 00-0026 EA Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685) .....	403.86	9.63
28 49 17 00-0027 EA Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686) .....	533.88	9.63

**END OF SECTION 28**

**28 Electronic Safety and Security**

28 40 Life Safety

28 49 Electronic Personal Protection Systems



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 31 Earthwork

### 31 05 Common Work Results for Earthwork <sup>(31)</sup>

#### 31 05 13 Soils for Earthwork <sup>(31 05)</sup>

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

#### 31 05 13 00-0001 Fill Material (Loose, Purchased Material) <sup>(31 05 13)</sup>

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 13 00-0002	CY Bank Run/Fill Sand .....	38.68	
	For Up To 8, Add	7.74	
	For >8 To 16, Add	3.87	
	For >48 To 64, Deduct	-2.77	
	For >64 To 96, Deduct	-4.70	
	For >96, Deduct	-6.64	
31 05 13 00-0003	CY Screened/Washed Filter/Septic Sand .....	46.27	
	For Up To 8, Add	9.25	
	For >8 To 16, Add	4.63	
	For >48 To 64, Deduct	-3.15	
	For >64 To 96, Deduct	-5.46	
	For >96, Deduct	-7.77	
31 05 13 00-0004	CY 3/8" Minus, ASTM C33, Screened/Washed Bedding Sand .....	64.48	
	For Up To 8, Add	12.90	
	For >8 To 16, Add	6.45	
	For >48 To 64, Deduct	-4.06	
	For >64 To 96, Deduct	-7.28	
	For >96, Deduct	-10.51	
31 05 13 00-0005	CY 3/16" Minus, Screened/Washed Concrete Sand .....	57.65	
	For Up To 8, Add	11.53	
	For >8 To 16, Add	5.77	
	For >48 To 64, Deduct	-3.72	
	For >64 To 96, Deduct	-6.60	
	For >96, Deduct	-9.48	
31 05 13 00-0006	CY 3/32" Minus, Screened/Washed Masonry/Mortar Sand .....	104.70	
	For Up To 8, Add	20.94	
	For >8 To 16, Add	10.47	
	For >48 To 64, Deduct	-6.07	
	For >64 To 96, Deduct	-11.30	
	For >96, Deduct	-16.54	
31 05 13 00-0007	CY Common Fill, Native Soil/Dirt .....	48.54	
	For Up To 8, Add	9.71	
	For >8 To 16, Add	4.85	
	For >48 To 64, Deduct	-3.26	
	For >64 To 96, Deduct	-5.69	
	For >96, Deduct	-8.11	
31 05 13 00-0008	CY Lime Rock Screening .....	43.76	
	For Up To 8, Add	8.75	
	For >8 To 16, Add	4.38	
	For >48 To 64, Deduct	-3.02	
	For >64 To 96, Deduct	-5.21	
	For >96, Deduct	-7.40	
31 05 13 00-0009	CY Crushed Lime Rock Maximum 3-1/2" .....	43.76	
	For Up To 8, Add	8.75	
	For >8 To 16, Add	4.38	
	For >48 To 64, Deduct	-3.02	
	For >64 To 96, Deduct	-5.21	
	For >96, Deduct	-7.40	
31 05 13 00-0010	CY Sand/Clay .....	38.16	
	For Up To 8, Add	7.63	
	For >8 To 16, Add	3.82	
	For >48 To 64, Deduct	-2.74	
	For >64 To 96, Deduct	-4.65	
	For >96, Deduct	-6.56	
31 05 13 00-0011	CY Recycled Concrete Aggregate .....	39.06	
	For Up To 8, Add	7.81	
	For >8 To 16, Add	3.91	
	For >48 To 64, Deduct	-2.79	
	For >64 To 96, Deduct	-4.74	
	For >96, Deduct	-6.69	
31 05 13 00-0012	CY Pitrun Clay .....	71.31	
	For Up To 8, Add	14.26	
	For >8 To 16, Add	7.13	
	For >48 To 64, Deduct	-4.40	
	For >64 To 96, Deduct	-7.96	
	For >96, Deduct	-11.53	
31 05 13 00-0013	CY Light Clay / Loam .....	57.57	
	For Up To 8, Add	11.51	
	For >8 To 16, Add	5.76	
	For >48 To 64, Deduct	-3.71	
	For >64 To 96, Deduct	-6.59	
	For >96, Deduct	-9.47	

**31 Earthwork****31 05 Common Work Results for Earthwork****31 05 13 Soils for Earthwork**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 13 00-0014 CY Heavy Clay .....	71.31	
For Up To 8, Add	14.26	
For >8 To 16, Add	7.13	
For >16 To 32, Deduct	-4.40	
For >32 To 64, Deduct	-7.96	
For >64 To 96, Deduct	-11.53	
<b>31 05 16 Aggregates for Earthwork</b> <small>(31 05)</small>		
See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.		
<b>31 05 16 00-0001 Aggregate (Loose, Purchased Material)</b> <small>(31 05 16)</small>		
Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.		
31 05 16 00-0002 CY #2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean) .....	59.17	
For Up To 8, Add	11.83	
For >8 To 16, Add	5.92	
For >16 To 32, Deduct	-3.79	
For >32 To 64, Deduct	-6.75	
For >64 To 96, Deduct	-9.71	
31 05 16 00-0003 CY #3 Stone Aggregate Fill (1" To 2" Clean) .....	61.65	
For Up To 8, Add	12.33	
For >8 To 16, Add	6.17	
For >16 To 32, Deduct	-3.92	
For >32 To 64, Deduct	-7.00	
For >64 To 96, Deduct	-10.08	
31 05 16 00-0004 CY #4 Stone Aggregate Fill (3/4" To 1-1/2" Clean) .....	59.17	
For Up To 8, Add	11.83	
For >8 To 16, Add	5.92	
For >16 To 32, Deduct	-3.79	
For >32 To 64, Deduct	-6.75	
For >64 To 96, Deduct	-9.71	
31 05 16 00-0005 CY #5 Stone Aggregate Fill (1/2" To 1" Clean) .....	63.46	
For Up To 8, Add	12.69	
For >8 To 16, Add	6.35	
For >16 To 32, Deduct	-4.01	
For >32 To 64, Deduct	-7.18	
For >64 To 96, Deduct	-10.35	
31 05 16 00-0006 CY #6 Stone Aggregate Fill (3/8" To 3/4" Clean) .....	66.00	
For Up To 8, Add	13.20	
For >8 To 16, Add	6.60	
For >16 To 32, Deduct	-4.13	
For >32 To 64, Deduct	-7.43	
For >64 To 96, Deduct	-10.73	
31 05 16 00-0007 CY #56 Stone Aggregate Fill (3/8" To 1") .....	63.86	
For Up To 8, Add	12.77	
For >8 To 16, Add	6.39	
For >16 To 32, Deduct	-4.03	
For >32 To 64, Deduct	-7.22	
For >64 To 96, Deduct	-10.41	
31 05 16 00-0008 CY #57 Stone Aggregate Fill (3/8" To 1") .....	68.27	
For Up To 8, Add	13.65	
For >8 To 16, Add	6.83	
For >16 To 32, Deduct	-4.25	
For >32 To 64, Deduct	-7.66	
For >64 To 96, Deduct	-11.07	
31 05 16 00-0009 CY #67 Or #68 Stone Aggregate Fill (3/16" To 3/4") .....	61.52	
For Up To 8, Add	12.30	
For >8 To 16, Add	6.15	
For >16 To 32, Deduct	-3.91	
For >32 To 64, Deduct	-6.99	
For >64 To 96, Deduct	-10.06	
31 05 16 00-0010 CY #7 Stone Aggregate Fill (3/8" To 1/2") .....	62.75	
For Up To 8, Add	12.55	
For >8 To 16, Add	6.28	
For >16 To 32, Deduct	-3.97	
For >32 To 64, Deduct	-7.11	
For >64 To 96, Deduct	-10.25	
31 05 16 00-0011 CY #78 Stone Aggregate Fill (3/32" To 1/2") .....	63.28	
For Up To 8, Add	12.66	
For >8 To 16, Add	6.33	
For >16 To 32, Deduct	-4.00	
For >32 To 64, Deduct	-7.16	
For >64 To 96, Deduct	-10.33	
31 05 16 00-0012 CY #8 Stone Aggregate Fill (3/32" To 3/8") .....	66.00	
For Up To 8, Add	13.20	
For >8 To 16, Add	6.60	
For >16 To 32, Deduct	-4.13	
For >32 To 64, Deduct	-7.43	
For >64 To 96, Deduct	-10.73	
31 05 16 00-0013 CY #89 Stone Aggregate Fill (1/16" To 3/8") .....	66.75	
For Up To 8, Add	13.35	
For >8 To 16, Add	6.68	
For >16 To 32, Deduct	-4.17	
For >32 To 64, Deduct	-7.51	
For >64 To 96, Deduct	-10.85	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0014 CY #9 Stone Aggregate Fill (3/32" To 3/16") .....	66.00	
For Up To 8, Add	13.20	
For >8 To 16, Add	6.60	
For >48 To 64, Deduct	-4.13	
For >64 To 96, Deduct	-7.43	
For >96, Deduct	-10.73	
31 05 16 00-0015 CY #10 Stone Aggregate Fill (1/16" To 3/16") .....	67.56	
For Up To 8, Add	13.51	
For >8 To 16, Add	6.76	
For >48 To 64, Deduct	-4.21	
For >64 To 96, Deduct	-7.59	
For >96, Deduct	-10.97	
31 05 16 00-0016 CY #610 Modified Stone Aggregate Fill (1/16" To 3/4") .....	66.75	
For Up To 8, Add	13.35	
For >8 To 16, Add	6.68	
For >48 To 64, Deduct	-4.17	
For >64 To 96, Deduct	-7.51	
For >96, Deduct	-10.85	
31 05 16 00-0017 CY Screenings Stone Aggregate Fill (3/16" Max) .....	55.67	
For Up To 8, Add	11.13	
For >8 To 16, Add	5.57	
For >48 To 64, Deduct	-3.62	
For >64 To 96, Deduct	-6.40	
For >96, Deduct	-9.18	
31 05 16 00-0018 CY Over 6" To 12" Stone Aggregate Fill, Random Size .....	60.68	
For Up To 8, Add	12.14	
For >8 To 16, Add	6.07	
For >48 To 64, Deduct	-3.87	
For >64 To 96, Deduct	-6.90	
For >96, Deduct	-9.94	
31 05 16 00-0019 CY Over 6" To 12" Graded Stone Aggregate Fill .....	60.68	
For Up To 8, Add	12.14	
For >8 To 16, Add	6.07	
For >48 To 64, Deduct	-3.87	
For >64 To 96, Deduct	-6.90	
For >96, Deduct	-9.94	
31 05 16 00-0020 CY 3" To 7" Surge Stone Aggregate Fill, Random Size .....	65.69	
For Up To 8, Add	13.14	
For >8 To 16, Add	6.57	
For >48 To 64, Deduct	-4.12	
For >64 To 96, Deduct	-7.40	
For >96, Deduct	-10.69	
31 05 16 00-0021 CY 3" To 7" Surge Stone Graded Aggregate Fill .....	69.26	
For Up To 8, Add	13.85	
For >8 To 16, Add	6.93	
For >48 To 64, Deduct	-4.30	
For >64 To 96, Deduct	-7.76	
For >96, Deduct	-11.22	
31 05 16 00-0022 CY Crusher Run Aggregate Fill (2-1/2" Minus) .....	38.24	
For Up To 8, Add	7.65	
For >8 To 16, Add	3.82	
For >48 To 64, Deduct	-2.75	
For >64 To 96, Deduct	-4.66	
For >96, Deduct	-6.57	
31 05 16 00-0023 CY Crusher Run Aggregate Fill (1-1/2" Minus) .....	42.17	
For Up To 8, Add	8.43	
For >8 To 16, Add	4.22	
For >48 To 64, Deduct	-2.94	
For >64 To 96, Deduct	-5.05	
For >96, Deduct	-7.16	
31 05 16 00-0024 CY Crusher Run Aggregate Fill (3/4" Minus) .....	39.62	
For Up To 8, Add	7.92	
For >8 To 16, Add	3.96	
For >48 To 64, Deduct	-2.81	
For >64 To 96, Deduct	-4.80	
For >96, Deduct	-6.78	

31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization <sup>(31)</sup>

<sup>(05)</sup> See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing <sup>(31)</sup>

31 11 Clearing and Grubbing <sup>(31 10)</sup>

31 11 00 00-0001 Clear And Grub Roots And Stumps <sup>(31 11)</sup>

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading.

31 11 00 00-0002 ACR Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip .....	7,964.60
Note: Includes grub and removal of stump	
31 11 00 00-0003 ACR Clear And Grub Light Stumps Only Up To 6" Diameter .....	2,177.06
31 11 00 00-0004 ACR Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip .....	9,292.03
Note: Includes grub and removal of stump	
31 11 00 00-0005 ACR Clear And Grub Medium Stumps Only Up To 10" Diameter .....	3,628.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 11 00 00-0006 ACR Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip.....	10,559.12	
Note: Includes grub and removal of stump		
31 11 00 00-0007 ACR Clear And Grub Heavy Stumps Only Up To 16" Diameter.....	4,123.70	
31 11 00 00-0008 ACR Clearing By Machine - Light Brush Without Grub.....	306.68	
31 11 00 00-0009 ACR Clearing By Machine - Medium Brush Without Grub.....	648.44	
31 11 00 00-0010 ACR Clearing By Machine - Heavy Brush Without Grub.....	921.65	
31 11 00 00-0011 ACR Chipping - Light Brush.....	2,478.31	
31 11 00 00-0012 ACR Chipping - Medium Brush.....	3,186.56	
31 11 00 00-0013 ACR Chipping - Heavy Brush.....	4,461.60	
<b>31 11 00 00-0014 Loading Of Cleared And Grubbed Material (31 11)</b>		
31 11 00 00-0015 CY Machine Loading Of Cleared And Grubbed Material.....	10.89	
31 11 00 00-0016 CY Chute Loading Of Cleared And Grubbed Material.....	13.07	
31 11 00 00-0017 CY Hand Loading Of Cleared And Grubbed Material.....	36.06	
31 11 00 00-0018 CY Wheel And Ramp Loading Of Cleared And Grubbed Material.....	28.34	
<b>31 13 Selective Tree and Shrub Removal and Trimming (31 10)</b>		
<b>31 13 13 Selective Tree and Shrub Removal (31 13)</b>		
<b>31 13 13 00-0001 Individual Tree Removal (31 13 13)</b>		
Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.		
31 13 13 00-0002 EA Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal.....	580.75	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0003 EA >6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal.....	871.13	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0004 EA >12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal.....	1,161.50	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0005 EA >24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal.....	1,742.26	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0006 EA >36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal.....	2,323.01	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0007 EA >48" To 60" D.B.H. (Diameter At Breast Height) Tree Removal.....	2,903.76	
Note: Includes cutting up tree, chipping and loading.		
For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-725.94	
31 13 13 00-0008 EA >60" To 72" D.B.H. (Diameter At Breast Height) Tree Removal.....	3,484.52	
Note: Includes cutting up tree, chipping and loading.		
For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-871.13	
31 13 13 00-0009 EA >72" To 84" D.B.H. (Diameter At Breast Height) Tree Removal.....	4,646.01	
Note: Includes cutting up tree, chipping and loading.		
For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-1,161.50	
<b>31 13 13 00-0010 Stump Removal (31 13 13)</b>		
Note: Measured by diameter of stump.		
<b>31 13 13 00-0011 Stump Removal By Machine (31 13 13 00-0010)</b>		
31 13 13 00-0012 EA Up To 6" Diameter Stump Removal.....	108.85	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0013 EA >6" To 12" Diameter Stump Removal.....	208.64	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0014 EA >12" To 24" Diameter Stump Removal.....	272.13	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0015 EA >24" To 36" Diameter Stump Removal.....	408.21	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0016 EA >36" To 48" Diameter Stump Removal.....	480.80	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0017 EA >48" To 60" Diameter Stump Removal.....	566.04	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0018 EA >60" To 72" Diameter Stump Removal.....	671.26	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0019 EA >72" To 84" Diameter Stump Removal.....	789.18	
Note: Includes excavation necessary to remove stump and loading.		
<b>31 13 13 00-0020 Stump Removal By Hand (31 13 13 00-0010)</b>		
31 13 13 00-0021 EA Up To 6" Diameter Stump Removal By Hand.....	608.93	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0022 EA >6" To 12" Diameter Stump Removal By Hand.....	761.18	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0023 EA >12" To 24" Diameter Stump Removal By Hand.....	1,116.39	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0024 EA >24" To 36" Diameter Stump Removal By Hand.....	1,522.34	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0025 EA >36" To 48" Diameter Stump Removal By Hand.....	2,029.80	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		



<b>Earthwork</b>	<b>31</b>	<b>13</b>
<b>Site Clearing</b>	<b>31 10</b>	
<b>Selective Tree and Shrub Removal and Trimming</b>	<b>31 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0026 EA >48" To 60" Diameter Stump Removal By Hand ..... Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,537.24	
31 13 13 00-0027 EA >60" To 72" Diameter Stump Removal By Hand ..... Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	3,044.69	
31 13 13 00-0028 EA >72" To 84" Diameter Stump Removal By Hand ..... Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	3,552.14	
<b>31 13 13 00-0029 Stump Grinding</b> <sup>(31 13 13)</sup> Note: Measured by diameter of stump.		
<b>31 13 13 00-0030 Stump Grinding, 18" Deep Below Surface Of Soil</b> <sup>(31 13 13 00-0029)</sup> Note: Level soil to match existing surface area.		
31 13 13 00-0031 EA Stump Grinding Up To 6" Tree ..... <i>For 24" Depth, Add</i>	107.36 21.47	
31 13 13 00-0032 EA Stump Grinding >6" To 12" Tree..... <i>For 24" Depth, Add</i>	143.15 28.63	
31 13 13 00-0033 EA Stump Grinding >12" To 15" Tree..... <i>For 24" Depth, Add</i>	161.05 32.21	
31 13 13 00-0034 EA Stump Grinding >15" To 18" Tree..... <i>For 24" Depth, Add</i>	178.94 35.79	
31 13 13 00-0035 EA Stump Grinding >18" To 21" Tree..... <i>For 24" Depth, Add</i>	192.36 38.47	
31 13 13 00-0036 EA Stump Grinding >21" To 24" Tree..... <i>For 24" Depth, Add</i>	205.78 41.16	
31 13 13 00-0037 EA Stump Grinding >24" To 27" Tree..... <i>For 24" Depth, Add</i>	223.67 44.73	
31 13 13 00-0038 EA Stump Grinding >27" To 30" Tree..... <i>For 24" Depth, Add</i>	243.00 48.60	
31 13 13 00-0039 EA Stump Grinding >30" To 33" Tree..... <i>For 24" Depth, Add</i>	270.00 54.00	
31 13 13 00-0040 EA Stump Grinding >33" To 36" Tree..... <i>For 24" Depth, Add</i>	288.01 57.60	
31 13 13 00-0041 EA Stump Grinding >36" To 42" Tree..... <i>For 24" Depth, Add</i>	324.00 64.80	
31 13 13 00-0042 EA Stump Grinding >42" To 48" Tree..... <i>For 24" Depth, Add</i>	360.00 72.00	
31 13 13 00-0043 EA Stump Grinding >48" To 60" Tree..... <i>For 24" Depth, Add</i>	450.00 90.00	
31 13 13 00-0044 EA Stump Grinding >60" To 72" Tree..... <i>For 24" Depth, Add</i>	562.50 112.50	
31 13 13 00-0045 EA Stump Grinding >72" To 84" Tree..... <i>For 24" Depth, Add</i>	720.00 144.00	
<b>31 13 13 00-0046 Shrub Removal</b> <sup>(31 13 13)</sup>		
31 13 13 00-0047 EA Removal Of 18" To 24" Shrub, Broadleaf Evergreen.....	43.03	
31 13 13 00-0048 EA Removal Of 2' To 3' Shrub, Broadleaf Evergreen.....	67.49	
31 13 13 00-0049 EA Removal Of 3' To 4' Shrub, Broadleaf Evergreen.....	78.25	
31 13 13 00-0050 EA Removal Of 4' To 5' Shrub, Broadleaf Evergreen.....	117.36	
31 13 13 00-0051 EA Removal Of 12" To 15" Shrub, Deciduous.....	21.52	
31 13 13 00-0052 EA Removal Of 18" To 24" Shrub, Deciduous.....	33.26	
31 13 13 00-0053 EA Removal Of 2' To 3' Shrub, Deciduous.....	43.03	
31 13 13 00-0054 EA Removal Of 3' To 4' Shrub, Deciduous.....	46.95	
31 13 13 00-0055 EA Removal Of 18" To 24" Shrub, Evergreen.....	43.03	
31 13 13 00-0056 EA Removal Of 24" To 30" Shrub, Evergreen.....	46.95	
31 13 13 00-0057 EA Removal Of 30" To 36" Shrub, Evergreen.....	67.49	
31 13 13 00-0058 EA Removal Of 36" To 42" Shrub, Evergreen.....	117.36	
<b>31 13 16 Selective Tree and Shrub Trimming</b> <sup>(31 13)</sup>		
<b>31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance</b> <sup>(31 13 16)</sup> Note: Area to be vertical cleared (including overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.		
31 13 16 00-0002 LF Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction.....	1.86	
31 13 16 00-0003 LF Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction.....	2.79	
31 13 16 00-0004 LF Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction.....	3.28	
<b>31 20 Earth Moving</b> <sup>(31)</sup> Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this		

<b>31</b>	<b>31</b>	<b>Earthwork</b>
	<b>31 20</b>	<b>Earth Moving</b>
	<b>31 13</b>	<b>Selective Tree and Shrub Removal and Trimming</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

**31 23 Excavation and Fill** (31 20)

**31 23 16 Excavation** (31 23)

**31 23 16 13 Trenching** (31 23 16)

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

**31 23 16 13-001 Excavation For Trenching By Machine** (31 23 16 13)

Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil .....	10.58
		<i>For Excavation In Light Material (Class A), Deduct</i>	-1.32
		<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	4.23
		<i>For Up To 20, Add</i>	8.46
		<i>For &gt;20 To 50, Add</i>	5.29
		<i>For &gt;50 To 250, Add</i>	2.65
		<i>For &gt;500 To 1,000, Deduct</i>	-1.59
		<i>For &gt;1,000, Deduct</i>	-3.17
31 23 16 13-003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil .....	7.06
		<i>For Excavation In Light Material (Class A), Deduct</i>	-0.88
		<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	2.82
		<i>For Up To 20, Add</i>	5.65
		<i>For &gt;20 To 50, Add</i>	3.53
		<i>For &gt;50 To 250, Add</i>	1.77
		<i>For &gt;500 To 1,000, Deduct</i>	-1.06
		<i>For &gt;1,000, Deduct</i>	-2.12
31 23 16 13-004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock .....	17.51
		Note: Includes compacted aggregate	
		<i>For Up To 20, Add</i>	14.01
		<i>For &gt;20 To 50, Add</i>	8.76
		<i>For &gt;50 To 250, Add</i>	4.38
		<i>For &gt;500 To 1,000, Deduct</i>	-2.63
		<i>For &gt;1,000, Deduct</i>	-5.25
31 23 16 13-005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock .....	12.55
		Note: Includes compacted aggregate	
		<i>For Up To 20, Add</i>	10.04
		<i>For &gt;20 To 50, Add</i>	6.28
		<i>For &gt;50 To 250, Add</i>	3.14
		<i>For &gt;500 To 1,000, Deduct</i>	-1.88
		<i>For &gt;1,000, Deduct</i>	-3.77

**31 23 16 13-006 Excavation For Trenching By Hand** (31 23 16 13)

31 23 16 13-007	CY	Excavation For Trenching By Hand In Soil .....	119.00
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 13-008	CY	Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate.....	204.14
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	

**31 23 16 13-009 Backfilling Or Placing Subbase For Trenches** (31 23 16 13)

Note: With imported or stockpiled materials.

31 23 16 13-010	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine .....	3.82
		<i>For Up To 20, Add</i>	3.06
		<i>For &gt;20 To 50, Add</i>	1.91
		<i>For &gt;50 To 250, Add</i>	0.96
		<i>For &gt;500 To 1,000, Deduct</i>	-0.57
		<i>For &gt;1,000, Deduct</i>	-1.15
31 23 16 13-011	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand.....	33.06

**31 23 16 13-012 Compaction Of Fill Or Subbase For Trenches** (31 23 16 13)

Note: Includes restoration of final grade.

31 23 16 13-013	CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera.....	6.93
		<i>For Up To 20, Add</i>	5.54
		<i>For &gt;20 To 50, Add</i>	3.47
		<i>For &gt;50 To 250, Add</i>	1.73
		<i>For &gt;500 To 1,000, Deduct</i>	-1.04
		<i>For &gt;1,000, Deduct</i>	-2.08
31 23 16 13-014	CY	Compaction of Fill or Subbase for Trenches by Hand.....	37.29

**31 23 16 13-015 Loading Excess Material For Removal From Excavation For Trenches** (31 23 16 13)

Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0039 for hauling.

31 23 16 13-016	CY	Load Excess Material by Machine for Removal from Excavation for Trenching .....	6.63
		<i>For Up To 20, Add</i>	5.30
		<i>For &gt;20 To 50, Add</i>	3.32
		<i>For &gt;50 To 250, Add</i>	1.66
		<i>For &gt;500 To 1,000, Deduct</i>	-0.99
		<i>For &gt;1,000, Deduct</i>	-1.99
31 23 16 13-017	CY	Load Excess Material by Hand for Removal from Excavation for Trenching .....	87.26



<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Earth Moving</b>	<b>31 20</b>	
<b>Excavation and Fill</b>	<b>31 23</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>31 23 16 13-0018</b> <b>Spread Excess Or Imported Material For Trenches</b> <small>(31 23 16 13)</small>		
Note: Includes hand work by laborer for clean-up.		
31 23 16 13-0019    CY    Spread Excess Or Imported Material On Site With Machine .....	3.11	
For Up To 20, Add	2.49	
For >20 To 50, Add	1.56	
For >50 To 250, Add	0.78	
For >500 To 1,000, Deduct	-0.47	
For >1,000, Deduct	-0.93	
<b>31 23 16 13-0020</b> <b>Direct Burial (Plowed-in) Cable Or Piping By Machine</b> <small>(31 23 16 13)</small>		
Note: Includes trench, backfill, compaction and restoration of final grade.		
31 23 16 13-0021    LF    Direct Burial of Cable or Piping up to 12" Deep .....	2.38	
31 23 16 13-0022    LF    Direct Burial of Cable or Piping >12" to 24" Deep .....	2.62	
31 23 16 13-0023    LF    Direct Burial of Cable or Piping >24" to 36" Deep .....	3.73	
31 23 16 13-0024    LF    Direct Burial of Cable or Piping >36" to 48" Deep .....	4.21	
<b>31 23 16 13-0025</b> <b>Utility Chain Trencher</b> <small>(31 23 16 13)</small>		
<b>31 23 16 13-0026</b> <b>Utility Trench, Chain Trencher</b> <small>(31 23 16 13-0025)</small>		
Note: Earth left adjacent to trench.		
31 23 16 13-0027    LF    4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher .....	1.27	
For >100 To 250, Deduct	-0.09	
For >250 To 500, Deduct	-0.19	
For >500, Deduct	-0.38	
31 23 16 13-0028    LF    4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher .....	1.39	
For >100 To 250, Deduct	-0.10	
For >250 To 500, Deduct	-0.21	
For >500, Deduct	-0.42	
31 23 16 13-0029    LF    4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher .....	1.44	
For >100 To 250, Deduct	-0.10	
For >250 To 500, Deduct	-0.22	
For >500, Deduct	-0.43	
31 23 16 13-0030    LF    6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher .....	1.52	
For >100 To 250, Deduct	-0.11	
For >250 To 500, Deduct	-0.23	
For >500, Deduct	-0.46	
31 23 16 13-0031    LF    6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher .....	1.66	
For >100 To 250, Deduct	-0.12	
For >250 To 500, Deduct	-0.25	
For >500, Deduct	-0.50	
31 23 16 13-0032    LF    6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher .....	1.89	
For >100 To 250, Deduct	-0.13	
For >250 To 500, Deduct	-0.28	
For >500, Deduct	-0.57	
31 23 16 13-0033    LF    6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher .....	2.27	
For >100 To 250, Deduct	-0.16	
For >250 To 500, Deduct	-0.34	
For >500, Deduct	-0.68	
31 23 16 13-0034    LF    8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher .....	2.14	
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.32	
For >500, Deduct	-0.64	
31 23 16 13-0035    LF    8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher .....	2.52	
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.38	
For >500, Deduct	-0.76	
31 23 16 13-0036    LF    8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher .....	2.87	
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.43	
For >500, Deduct	-0.86	
31 23 16 13-0037    LF    8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher .....	3.40	
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.51	
For >500, Deduct	-1.02	
<b>31 23 16 13-0038</b> <b>Backfill Trenches With Compaction</b> <small>(31 23 16 13-0025)</small>		
31 23 16 13-0039    LF    Backfill 4" Wide, 12" Deep Trench, With Compaction .....	0.19	
For >100 To 250, Deduct	-0.01	
For >250 To 500, Deduct	-0.03	
For >500, Deduct	-0.06	
31 23 16 13-0040    LF    Backfill 4" Wide, 18" Deep Trench, With Compaction .....	0.31	
For >100 To 250, Deduct	-0.02	
For >250 To 500, Deduct	-0.05	
For >500, Deduct	-0.09	
31 23 16 13-0041    LF    Backfill 4" Wide, 24" Deep Trench, With Compaction .....	0.41	
For >100 To 250, Deduct	-0.03	
For >250 To 500, Deduct	-0.06	
For >500, Deduct	-0.12	

**31 Earthwork****31 20 Earth Moving****31 23 Excavation and Fill**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
31 23 16 13-0042	LF Backfill 6" Wide, 12" Deep Trench, With Compaction .....	0.31	
	<i>For &gt;100 To 250, Deduct</i>	-0.02	
	<i>For &gt;250 To 500, Deduct</i>	-0.05	
	<i>For &gt;500, Deduct</i>	-0.09	
31 23 16 13-0043	LF Backfill 6" Wide, 18" Deep Trench, With Compaction .....	0.41	
	<i>For &gt;100 To 250, Deduct</i>	-0.03	
	<i>For &gt;250 To 500, Deduct</i>	-0.06	
	<i>For &gt;500, Deduct</i>	-0.12	
31 23 16 13-0044	LF Backfill 6" Wide, 24" Deep Trench, With Compaction .....	0.61	
	<i>For &gt;100 To 250, Deduct</i>	-0.04	
	<i>For &gt;250 To 500, Deduct</i>	-0.09	
	<i>For &gt;500, Deduct</i>	-0.18	
31 23 16 13-0045	LF Backfill 6" Wide, 36" Deep Trench, With Compaction .....	0.87	
	<i>For &gt;100 To 250, Deduct</i>	-0.06	
	<i>For &gt;250 To 500, Deduct</i>	-0.13	
	<i>For &gt;500, Deduct</i>	-0.26	
31 23 16 13-0046	LF Backfill 8" Wide, 12" Deep Trench, With Compaction .....	0.41	
	<i>For &gt;100 To 250, Deduct</i>	-0.03	
	<i>For &gt;250 To 500, Deduct</i>	-0.06	
	<i>For &gt;500, Deduct</i>	-0.12	
31 23 16 13-0047	LF Backfill 8" Wide, 18" Deep Trench, With Compaction .....	0.61	
	<i>For &gt;100 To 250, Deduct</i>	-0.04	
	<i>For &gt;250 To 500, Deduct</i>	-0.09	
	<i>For &gt;500, Deduct</i>	-0.18	
31 23 16 13-0048	LF Backfill 8" Wide, 24" Deep Trench, With Compaction .....	0.82	
	<i>For &gt;100 To 250, Deduct</i>	-0.06	
	<i>For &gt;250 To 500, Deduct</i>	-0.12	
	<i>For &gt;500, Deduct</i>	-0.25	
31 23 16 13-0049	LF Backfill 8" Wide, 36" Deep Trench, With Compaction .....	1.23	
	<i>For &gt;100 To 250, Deduct</i>	-0.09	
	<i>For &gt;250 To 500, Deduct</i>	-0.18	
	<i>For &gt;500, Deduct</i>	-0.37	
<b>31 23 16 26</b>	<b>Rock Removal</b> <small>(31 23 16)</small>		
<b>31 23 16 26-0001</b>	<b>Rock Breaking By Machine</b> <small>(31 23 16 26)</small>		
	Note: Excludes excavation of broken-up rock.		
31 23 16 26-0002	CY Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone).....	28.82	
31 23 16 26-0003	CY Rock Breaking By Machine, Medium Metamorphic Rock (Slate) .....	30.74	
31 23 16 26-0004	CY Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt) .....	36.50	
<b>31 23 16 33</b>	<b>Bulk Excavation</b> <small>(31 23 16)</small>		
	Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for For less than 500 CY excavation.		
<b>31 23 16 33-0001</b>	<b>Excavation</b> <small>(31 23 16 33)</small>		
	Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.		
31 23 16 33-0002	CY Bulk Excavation by Dozer in Soil .....	9.75	
	<i>For Excavation In Light Material (Class A), Deduct</i>	-1.22	
	<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	3.90	
	<i>For &gt;1,000, Deduct</i>	-1.46	
31 23 16 33-0003	CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil .....	5.69	
	<i>For Excavation In Light Material (Class A), Deduct</i>	-0.71	
	<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	2.28	
	<i>For &gt;1,000, Deduct</i>	-0.85	
31 23 16 33-0004	CY Bulk Excavation by Dozer in Loose Rock .....	12.00	
	Note: Includes compacted aggregate		
	<i>For &gt;1,000, Deduct</i>	-1.80	
31 23 16 33-0005	CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock.....	7.01	
	Note: Includes compacted aggregate		
	<i>For &gt;1,000, Deduct</i>	-1.05	
<b>31 23 16 33-0006</b>	<b>Spreading, Shaping And Rough Grading</b> <small>(31 23 16 33)</small>		
	Note: Imported or stockpiled material for bulk excavation.		
31 23 16 33-0007	CY Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine .....	6.02	
	<i>For &gt;1,000, Deduct</i>	-0.90	
<b>31 23 16 33-0008</b>	<b>Cutting, Shaping and Rough Grading Of Existing Elevations</b> <small>(31 23 16 33)</small>		
	Note: For bulk excavation.		
31 23 16 33-0009	CY Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine .....	6.69	
	<i>For &gt;1,000, Deduct</i>	-1.00	
<b>31 23 16 33-0010</b>	<b>Relocating On Site Excavated Material From Excavation</b> <small>(31 23 16 33)</small>		
	Note: For bulk excavation.		
31 23 16 33-0011	CY Relocating On Site Excavated Material From Bulk Excavation >100' to 300'.....	5.35	
	<i>For &gt;1,000, Deduct</i>	-0.80	
31 23 16 33-0012	CY Relocating On Site Excavated Material From Bulk Excavation >300' to 500'.....	8.03	
	<i>For &gt;1,000, Deduct</i>	-1.20	
31 23 16 33-0013	CY Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000' .....	12.04	
	<i>For &gt;1,000, Deduct</i>	-1.81	



<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Earth Moving</b>	<b>31 20</b>	
<b>Excavation and Fill</b>	<b>31 23</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 33-0014 CY Relocating On Site Excavated Material From Bulk Excavation >1,000' ..... <i>For &gt;1,000, Deduct</i>	16.05 -2.41	
<b>31 23 16 33-0015 Finish Grading</b> <small>(31 23 16 33)</small> Note: For bulk excavation.		
31 23 16 33-0016 SY Finish Grading for Bulk Excavation by Machine.....	0.67	
<b>31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift</b> <small>(31 23 16 33)</small> Note: For bulk excavation.		
31 23 16 33-0018 SY Compaction of Fill or Subbase for Bulk Excavation by Machine..... Note: Per Lift	0.68	
<b>31 23 16 33-0019 Loading Excess Material For Removal From Excavation</b> <small>(31 23 16 33)</small> Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0039 for hauling.		
31 23 16 33-0020 CY Loading Excess Material For Removal From Bulk Excavation..... <i>For &gt;1,000, Deduct</i>	5.79 -0.87	
<b>31 23 16 36 Excavation for Building Foundations and Other Structures</b> <small>(31 23 16)</small> Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.		
<b>31 23 16 36-0001 Excavation</b> <small>(31 23 16 36)</small> Note: For building foundations and other structures by machine. Includes stockpiling excess materials within 100' of point of excavation, shaping, trimming and rough grading excavation.		
<b>31 23 16 36-0002 Excavation For Building Foundations And Other Structures By Skid-Steer Loader</b> <small>(31 23 16 36-0001)</small>		
31 23 16 36-0003 CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil ..... <i>For Excavation In Light Material (Class A), Deduct</i> <i>For Excavation In Heavy/Wet Material (Class C), Add</i> <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	8.79 -1.10 3.52 8.79 6.59 3.52 1.32	
31 23 16 36-0004 CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock ..... Note: Includes compacted aggregate <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	10.94 10.94 8.21 4.38 1.64	
<b>31 23 16 36-0005 Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader</b> <small>(31 23 16 36-0001)</small>		
31 23 16 36-0006 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil ..... <i>For Excavation In Light Material (Class A), Deduct</i> <i>For Excavation In Heavy/Wet Material (Class C), Add</i> <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	6.84 -0.86 2.74 6.84 5.13 2.74 1.03	
31 23 16 36-0007 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock ..... Note: Includes compacted aggregate <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	8.14 8.14 6.11 3.26 1.22	
<b>31 23 16 36-0008 Excavation For Building Foundations And Other Structures By Hand</b> <small>(31 23 16 36- 0001)</small> Note: For areas not accessible by machine and only with owner's approval.		
31 23 16 36-0009 CY Excavation For Building Foundations And Other Structures By Hand in Soil ..... <i>For Excavation In Light Material (Class A), Deduct</i> <i>For Excavation In Heavy/Wet Material (Class C), Add</i>	119.00 -14.88 47.60	
31 23 16 36-0010 CY Excavation For Building Foundations And Other Structures By Hand in Loose Rock..... Note: Includes compacted aggregate	204.14	
<b>31 23 16 36-0011 Relocating On Site Excavated Material From Excavation</b> <small>(31 23 16 36)</small> Note: For building foundations and other structures over 100'.		
31 23 16 36-0012 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >100' to 300' ..... <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	5.35 5.35 4.01 2.14 0.80	

<b>31</b>	<b>31 Earthwork</b>
	<b>31 20 Earth Moving</b>
	<b>31 23 Excavation and Fill</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0013 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >300' to 500' .....	8.03	
For Up To 20, Add	8.03	
For >20 To 50, Add	6.02	
For >50 To 250, Add	3.21	
For >250 To 500, Add	1.20	
31 23 16 36-0014 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >500' to 1,000' .....	12.04	
For Up To 20, Add	12.04	
For >20 To 50, Add	9.03	
For >50 To 250, Add	4.82	
For >250 To 500, Add	1.81	
31 23 16 36-0015 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >1,000' .....	16.05	
For Up To 20, Add	16.05	
For >20 To 50, Add	12.04	
For >50 To 250, Add	6.42	
For >250 To 500, Add	2.41	
<b>31 23 16 36-0016 Backfilling</b> <small>(31 23 16 36)</small>		
Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading.		
31 23 16 36-0017 CY Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader .....	4.34	
For Up To 20, Add	4.34	
For >20 To 50, Add	3.26	
For >50 To 250, Add	1.74	
For >250 To 500, Add	0.65	
31 23 16 36-0018 CY Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader .....	5.30	
For Up To 20, Add	5.30	
For >20 To 50, Add	3.98	
For >50 To 250, Add	2.12	
For >250 To 500, Add	0.80	
31 23 16 36-0019 CY Backfilling Around Building Foundations And Other Structures By Hand.....	56.67	
<b>31 23 16 36-0020 Compaction Of Fill Or Subbase</b> <small>(31 23 16 36)</small>		
Note: For building foundations and other structures.		
31 23 16 36-0021 CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera .....	10.98	
For Up To 20, Add	10.98	
For >20 To 50, Add	8.24	
For >50 To 250, Add	4.39	
For >250 To 500, Add	1.65	
31 23 16 36-0022 CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand .....	37.29	
<b>31 23 16 36-0023 Grading</b> <small>(31 23 16 36)</small>		
Note: For building foundations and other structures.		
31 23 16 36-0024 SY Rough Grading For Building Foundations And Other Structures by Machine .....	1.16	
31 23 16 36-0025 SY Finish Grading For Building Foundations And Other Structures by Machine .....	1.85	
31 23 16 36-0026 SY Finish Grading For Building Foundations And Other Structures by Hand.....	11.02	
<b>31 23 16 36-0027 Loading Excess Material For Removal From Excavation</b> <small>(31 23 16 36)</small>		
Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0039 for hauling.		
31 23 16 36-0028 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine .....	6.03	
For Up To 20, Add	6.03	
For >20 To 50, Add	4.52	
For >50 To 250, Add	2.41	
For >250 To 500, Add	0.90	
31 23 16 36-0029 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand .....	87.26	
<b>31 23 16 36-0030 Spread Material</b> <small>(31 23 16 36)</small>		
Note: For building foundations and other structures.		
31 23 16 36-0031 CY Spread Excess Or Imported Material On Site By Machine .....	3.11	
For Up To 20, Add	3.11	
For >20 To 50, Add	2.33	
For >50 To 250, Add	1.24	
For >250 To 500, Add	0.47	
31 23 16 36-0032 CY Spread Excess Or Imported Material On Site By Hand .....	48.15	
<b>31 23 19 Dewatering</b> <small>(31 23)</small>		
<b>31 23 19 00-0001 Well Point Dewatering System</b> <small>(31 23 19)</small>		
<b>31 23 19 00-0002 Delivery, Installation And Removal Cost</b> <small>(31 23 19 00-0001)</small>		
Note: Priced by linear foot of header used.		
31 23 19 00-0003 LF Up To 100' In Length Well Point System Delivery, Installation And Removal .....	122.25	
31 23 19 00-0004 LF >100' To 250' In Length Well Point System Delivery, Installation And Removal .....	67.24	
31 23 19 00-0005 LF >250' To 500' In Length Well Point System Delivery, Installation And Removal .....	61.13	
31 23 19 00-0006 LF >250' To 500' In Length Well Point System Delivery, Installation And Removal .....	55.02	
31 23 19 00-0007 LF >500' To 1,000' In Length Well Point System Delivery, Installation And Removal .....	48.91	





<b>Earthwork</b>	<b>31</b>	<b>CSU</b>
<b>Earth Moving</b>	<b>31 20</b>	
<b>Excavation and Fill</b>	<b>31 23</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 19 00-0008 LF >1,000' In Length Well Point System Delivery, Installation And Removal.....	42.78	
<b>31 23 19 00-0009 Well Point Dewatering System Rental</b> <small>(31 23 19 00-0001)</small>		
<small>Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.</small>		
31 23 19 00-0010 LFD Up To 100' In Length Well Point System Rental (LF x Days = Quantity) .....	1.85	
<i>For &gt;5 Days And &lt;1 Month, Deduct</i>	-0.41	
<i>For &gt;1 Month, Deduct</i>	-0.52	
31 23 19 00-0011 LFD >100' To 250' In Length Well Point System Rental (LF x Days = Quantity) .....	1.08	
<i>For &gt;5 Days And &lt;1 Month, Deduct</i>	-0.24	
<i>For &gt;1 Month, Deduct</i>	-0.30	
31 23 19 00-0012 LFD >250' To 500' In Length Well Point System Rental (LF x Days = Quantity) .....	0.77	
<i>For &gt;5 Days And &lt;1 Month, Deduct</i>	-0.17	
<i>For &gt;1 Month, Deduct</i>	-0.22	
31 23 19 00-0013 LFD >500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity) .....	0.57	
<i>For &gt;5 Days And &lt;1 Month, Deduct</i>	-0.13	
<i>For &gt;1 Month, Deduct</i>	-0.16	
31 23 19 00-0014 LFD >1,000' In Length Well Point System Rental (LF x Days = Quantity) .....	0.52	
<i>For &gt;5 Days And &lt;1 Month, Deduct</i>	-0.11	
<i>For &gt;1 Month, Deduct</i>	-0.15	
<b>31 23 19 00-0015 Well Point Dewatering System Operation Costs</b> <small>(31 23 19 00-0001)</small>		
<small>Note: The quantity for operation shall be the total number of hours the well point system is operational.</small>		
31 23 19 00-0016 HR Operation Costs.....	106.22	
<b>31 23 23 Fill</b> <small>(31 23 23)</small>		
<b>31 23 23 23 Compaction</b> <small>(31 23 23)</small>		
<b>31 23 23 23-0001 Compaction Water, Water Truck And Operator</b> <small>(31 23 23 23)</small>		
31 23 23 23-0002 MGL Compaction Water, Water Truck And Operator .....	267.89	
<small>Note: Use this task in situations where earth fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per each 1,000 gallons of water)</small>		
<b>31 23 23 33 Flowable Fill</b> <small>(31 23 23)</small>		
<b>31 23 23 33-0001 Flowable Cement Backfill For Trenches</b> <small>(31 23 23 33)</small>		
<small>Note: Includes compaction and restoration of final grade.</small>		
31 23 23 33-0002 CY Flowable Cement Backfill for Trenches .....	224.76	
<i>For Up To 20, Add</i>	81.46	
<i>For &gt;20 To 50, Add</i>	53.37	
<i>For &gt;50 To 250, Add</i>	26.69	
<i>For &gt;500 To 1,000, Deduct</i>	-14.04	
<i>For &gt;1,000, Deduct</i>	-28.09	
<b>31 24 Embankments</b> <small>(31 24)</small>		
<b>31 24 13 Roadway Embankments</b> <small>(31 24)</small>		
<b>31 24 13 00-0001 Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations</b> <small>(31 24 13)</small>		
<small>Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY.</small>		
<b>31 24 13 00-0002 Cutting, Shaping And Rough Grading</b> <small>(31 24 13 00-0001)</small>		
<small>Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.</small>		
<b>31 24 13 00-0003 Cutting, Shaping, And Rough Grading</b> <small>(31 24 13 00-0002)</small>		
31 24 13 00-0004 CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil .....	6.69	
<i>For Up To 20, Add</i>	6.69	
<i>For &gt;20 To 50, Add</i>	5.02	
<i>For &gt;50 To 250, Add</i>	2.68	
<i>For &gt;250 To 500, Add</i>	1.00	
<i>For &gt;1,000, Deduct</i>	-1.00	
31 24 13 00-0005 CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock.....	8.29	
<small>Note: Includes compacted aggregate</small>		
<i>For Up To 20, Add</i>	8.29	
<i>For &gt;20 To 50, Add</i>	6.22	
<i>For &gt;50 To 250, Add</i>	3.32	
<i>For &gt;250 To 500, Add</i>	1.24	
<i>For &gt;1,000, Deduct</i>	-1.24	

<b>31</b>	<b>31</b>	<b>Earthwork</b>
	<b>31 20</b>	<b>Earth Moving</b>
	<b>31 24</b>	<b>Embankments</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>31 24 13 00-0006</b> <b>Cutting, Shaping, And Rough Grading By Hand</b> <small>(31 24 13 00-0002)</small>		
31 24 13 00-0007 SY    Shape Embankment/Slope By Hand Up To 1 On 4 Slope.....	6.10	
31 24 13 00-0008 SY    Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope .....	7.93	
<b>31 24 13 00-0009</b> <b>Scarify Soil</b> <small>(31 24 13 00-0001)</small>		
Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0010 CSF   Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine .....	6.19	
For Up To 20, Add	3.10	
For >20 To 50, Add	1.55	
For >250 To 500, Deduct	-0.62	
For >500, Deduct	-1.24	
<b>31 24 13 00-0011</b> <b>Relocating On Site Excavated Material</b> <small>(31 24 13 00-0001)</small>		
31 24 13 00-0012 CY    >500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine .....	12.04	
For Up To 20, Add	12.04	
For >20 To 50, Add	9.03	
For >50 To 250, Add	4.82	
For >250 To 500, Add	1.81	
For >1,000, Deduct	-1.81	
31 24 13 00-0013 CY    >1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine .....	16.05	
For Up To 20, Add	16.05	
For >20 To 50, Add	12.04	
For >50 To 250, Add	6.42	
For >250 To 500, Add	2.41	
For >1,000, Deduct	-2.41	
<b>31 24 13 00-0014</b> <b>Spread And Shape Imported Or Stockpiled Material</b> <small>(31 24 13 00-0001)</small>		
Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.		
31 24 13 00-0015 CY    Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine .....	7.36	
For Up To 20, Add	7.36	
For >20 To 50, Add	5.52	
For >50 To 250, Add	2.94	
For >250 To 500, Add	1.10	
For >1,000, Deduct	-1.10	
<b>31 24 13 00-0016</b> <b>Grading</b> <small>(31 24 13 00-0001)</small>		
Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0017 SY    Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine .....	0.75	
31 24 13 00-0018 SY    Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine .....	1.00	
31 24 13 00-0019 LF    Finish Grade For Curb .....	1.12	
31 24 13 00-0020 LF    Finish Grade For Curb And Gutter .....	1.38	
<b>31 24 13 00-0021</b> <b>Compaction Of Fill Or Subbase</b> <small>(31 24 13 00-0001)</small>		
Note: For roadways, parking areas, landscaping and embankments by machine, per lift.		
31 24 13 00-0022 SY    Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift.....	0.68	
For Up To 250, Add	0.68	
For >250 To 500, Add	0.51	
For >500 To 1,000, Add	0.27	
For >5,000, Deduct	-0.10	
<b>31 24 13 00-0023</b> <b>Loading Excess Material For Removal From Excavation</b> <small>(31 24 13 00-0001)</small>		
Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.		
31 24 13 00-0024 CY    Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine .....	5.79	
For Up To 20, Add	5.79	
For >20 To 50, Add	4.34	
For >50 To 250, Add	2.32	
For >250 To 500, Add	0.87	
For >1,000, Deduct	-0.87	
<b>31 25</b> <b>Erosion and Sedimentation Controls</b> <small>(31 20)</small>		
<b>31 25 14</b> <b>Stabilization Measures for Erosion and Sedimentation Control</b> <small>(31 25)</small>		
<b>31 25 14 13</b> <b>Hydraulically-Applied Erosion Control</b> <small>(31 25 14)</small>		
<b>31 25 14 13-0001</b> <b>Bonded Fiber Matrix</b> <small>(31 25 14 13)</small>		
31 25 14 13-0002 MSF    Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied .....	58.33	
31 25 14 13-0003 MSF    >25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	53.71	
31 25 14 13-0004 MSF    >50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	49.79	
31 25 14 13-0005 MSF    >100,000 Bonded Fiber Matrix, Hydraulically Applied .....	47.55	



<b>Earthwork</b>	<b>31</b>	<b>13</b>
<b>Earth Moving</b>	<b>31 20</b>	
<b>Erosion and Sedimentation Controls</b>	<b>31 25</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**31 25 14 16**

**Rolled Erosion Control Mats and Blankets** (31 25 14)

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

31 25 14 16-0001	Erosion Control Blankets And Turf Reinforcement Mats <small>(31 25 14 16)</small>		
31 25 14 16-0002	Erosion Control Blankets, Short Term, Light Duty <small>(31 25 14 16-0001)</small>		
31 25 14 16-0003	SY S75 Single Net Erosion Control Blanket .....2.79 Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0004	SY S75BN Single Net Erosion Control Blanket .....3.61 Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.		
31 25 14 16-0005	SY Curlex 1, Single Net Erosion Control Blanket .....2.65 Note: As manufactured by American Excelsior		
31 25 14 16-0006	SY Curlex 1, Single Net Erosion Control Blanket .....2.79 Note: As manufactured by American Green.		
31 25 14 16-0007	SY Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting .....2.47		
31 25 14 16-0008	Erosion Control Blankets, Intermediate Duration <small>(31 25 14 16-0001)</small>		
31 25 14 16-0009	SY S150 Double Net Erosion Control Blanket .....3.60 Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0010	SY S150 BN Double Net Erosion Control Blanket .....4.88 Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.		
31 25 14 16-0011	SY Curlex II, Double Net Erosion Control Blanket, Natural .....3.00 Note: As manufactured by American Excelsior.		
31 25 14 16-0012	SY Curlex II, Double Net Erosion Control Blanket, Green .....3.14 Note: As manufactured by American Excelsior.		
31 25 14 16-0013	SY Enforcer Double Net Erosion Control Blanket .....3.35 Note: As manufactured by American Excelsior.		
31 25 14 16-0014	Turf Reinforcement Mats (TRM) <small>(31 25 14 16-0001)</small>		
	Note: Permanent, UV stabilized.		
31 25 14 16-0015	SY P300 Permanent Polypropylene Turf Reinforcement Mat .....13.71 Note: 100% synthetic, UV stabilized, two layer netting.		
31 25 14 16-0016	SY C350 Permanent Turf Reinforcement Mat .....12.58 Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.		
31 25 14 16-0017	SY Recyclex TRM, Permanent Turf Reinforcement Mat .....14.90 Note: As manufactured by American Excelsior, 100% recycled		
31 25 14 16-0018	Jute Mesh Erosion Control Blankets <small>(31 25 14 16-0001)</small>		
31 25 14 16-0019	SY Jute Mesh, Open Uniform Weave .....3.78		
31 25 14 16-0020	Revegetation Mat <small>(31 25 14 16-0001)</small>		
31 25 14 16-0021	SY 3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber .....10.90 Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.		
31 25 14 16-0022	SY Webbed Revegetation Mat, Polypropylene Fiber .....15.63 Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.		
31 25 14 23	<b>Stabilization Measures for Erosion Control</b> <small>(31 25 14)</small>		
	See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.		
31 25 14 23-0001	Sand Bags <small>(31 25 14 23)</small>		
	Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0002	BAG 50 LB Capacity Sand Bag With Sand .....6.09 For >2,500 To 5,000, Deduct For >5,000, Deduct		2.51
		-0.50	
		-1.11	
31 25 14 23-0003	BAG 75 LB Capacity Sand Bag With Sand .....7.88 For >2,500 To 5,000, Deduct For >5,000, Deduct		3.12
		-0.62	
		-1.41	
31 25 14 23-0004	BAG 100 LB Capacity Sand Bag With Sand .....9.99 For >2,500 To 5,000, Deduct For >5,000, Deduct		3.72
		-0.75	
		-1.74	
31 25 14 23-0005	BAG 125 LB Capacity Sand Bag With Sand .....12.28 For >2,500 To 5,000, Deduct For >5,000, Deduct		4.66
		-0.93	
		-2.16	
31 25 14 23-0006	BAG 150 LB Capacity Sand Bag With Sand .....14.96 For >2,500 To 5,000, Deduct For >5,000, Deduct		5.58
		-1.12	
		-2.61	
31 25 14 23-0007	BAG 175 LB Capacity Sand Bag With Sand .....17.49 For >2,500 To 5,000, Deduct For >5,000, Deduct		6.35
		-1.27	
		-3.02	

<b>31</b>	<b>31</b>	<b>Earthwork</b>
	<b>31 20</b>	<b>Earth Moving</b>
	<b>31 25</b>	<b>Erosion and Sedimentation Controls</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0008	BAG		2,000 LB Capacity Sand Bag With Sand ..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	147.45 -8.64 -23.39	45.41
31 25 14 23-0009	BAG		3,000 LB Capacity Sand Bag With Sand ..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	191.56 -9.50 -28.66	49.95
<b>31 25 14 23-0010</b>			<b>Gravel Bags</b> <small>(31 25 14 23)</small> Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0011	BAG		30 LB Capacity Gravel Bag With Gravel ..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	5.65 -0.33 -0.90	1.67
31 25 14 23-0012	BAG		50 LB Capacity Gravel Bag With Gravel ..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	10.33 -0.50 -1.53	2.51
<b>31 25 14 23-0013</b>			<b>Floating Turbidity Curtain</b> <small>(31 25 14 23)</small> Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6 in. x 6 in., 13.5 lb./ft. buoyancy in fresh water and 14.4 lb./ft buoyancy in saltwater.		
31 25 14 23-0014	LF	3'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	25.61 -4.04 -2.46 2.99	
31 25 14 23-0015	LF	4'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	27.77 -4.45 -2.71 3.29	
31 25 14 23-0016	LF	5'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	30.78 -5.04 -3.07 3.72	
31 25 14 23-0017	LF	6'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	33.32 -5.52 -3.36 4.08	
31 25 14 23-0018	LF	7'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	34.96 -5.79 -3.53 4.28	
31 25 14 23-0019	LF	8'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	36.61 -6.06 -3.69 4.48	
31 25 14 23-0020	LF	9'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	38.54 -6.39 -3.89 4.72	
31 25 14 23-0021	LF	10'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	41.19 -6.87 -4.18 5.08	
31 25 14 23-0022	LF	12'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	43.27 -7.22 -4.40 5.34	
31 25 14 23-0023	LF	13'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	46.09 -7.73 -4.71 5.72	
31 25 14 23-0024	LF	14'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	48.71 -8.19 -4.99 6.06	
31 25 14 23-0025	LF	15'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	51.24 -8.62 -5.25 6.37	
31 25 14 23-0026	LF	16'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	55.80 -9.51 -5.79 7.03	
31 25 14 23-0027	LF	17'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	58.50 -9.97 -6.07 7.37	
31 25 14 23-0028	LF	18'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	61.14 -10.40 -6.33 7.69	
31 25 14 23-0029	LF	19'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	63.92 -10.86 -6.61 8.03	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0030	LF			20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	66.63 -11.29 -6.87 8.35	
<b>31 25 14 23-0031</b>				<b>Turbidity Curtain Anchors</b> <small>(31 25 14 23)</small>		
31 25 14 23-0032	EA			14 LB, Turbidity Curtain Anchor System..... Note: Includes anchor, anchor chain, and marker buoy and rope.	697.99	
31 25 14 23-0033	EA			25 LB, Turbidity Curtain Anchor System..... Note: Includes anchor, anchor chain, and marker buoy and rope.	957.89	
31 25 14 23-0034	EA			40 LB, Turbidity Curtain Anchor System..... Note: Includes anchor, anchor chain, and marker buoy and rope.	1,218.92	
31 25 14 23-0035	EA			65 LB, Turbidity Curtain Anchor System..... Note: Includes anchor, anchor chain, and marker buoy and rope.	1,594.95	
<b>31 25 14 23-0036</b>				<b>Filter Bags</b> <small>(31 25 14 23)</small>		
<b>31 25 14 23-0037</b>				<b>Non-Woven Filter Bags</b> <small>(31 25 14 23-0036)</small>		
31 25 14 23-0038	EA			6' x 15' Non-Woven Filter Bag .....	238.75	
31 25 14 23-0039	EA			13' x 15' Non-Woven Filter Bag .....	345.68	
31 25 14 23-0040	EA			15' x 15' Non-Woven Filter Bag .....	397.18	
<b>31 25 14 23-0041</b>				<b>Monofilament Filter Bags</b> <small>(31 25 14 23-0036)</small>		
31 25 14 23-0042	EA			5' x 15' Monofilament Filter Bag.....	248.30	
31 25 14 23-0043	EA			10' x 15' Monofilament Filter Bag.....	344.04	
<b>31 25 14 23-0044</b>				<b>Cable Articulating Concrete Block</b> <small>(31 25 14 23)</small> Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 25 14 23-0045	SF			4.75" Open Cell Articulated Concrete Block With Earth Backfill .....	37.57	
				<i>For Up To 500, Add</i>	8.53	
				<i>For &gt;500 To 1,000, Add</i>	4.78	
31 25 14 23-0046	SF			6" Open Cell Articulated Concrete Block With Earth Backfill .....	42.86	
				<i>For Up To 500, Add</i>	9.68	
				<i>For &gt;500 To 1,000, Add</i>	5.40	
31 25 14 23-0047	SF			7.5" Open Cell Articulated Concrete Block With Earth Backfill .....	48.92	
				<i>For Up To 500, Add</i>	11.01	
				<i>For &gt;500 To 1,000, Add</i>	6.12	
31 25 14 23-0048	SF			9" Open Cell Articulated Concrete Block With Earth Backfill .....	55.11	
				<i>For Up To 500, Add</i>	12.38	
				<i>For &gt;500 To 1,000, Add</i>	6.87	
31 25 14 23-0049	SF			4.75" Closed Cell Articulated Concrete Block.....	40.16	
				<i>For Up To 500, Add</i>	9.05	
				<i>For &gt;500 To 1,000, Add</i>	5.04	
31 25 14 23-0050	SF			6" Closed Cell Articulated Concrete Block.....	45.95	
				<i>For Up To 500, Add</i>	10.30	
				<i>For &gt;500 To 1,000, Add</i>	5.71	
31 25 14 23-0051	SF			7.5" Closed Cell Articulated Concrete Block.....	52.58	
				<i>For Up To 500, Add</i>	11.74	
				<i>For &gt;500 To 1,000, Add</i>	6.48	
31 25 14 23-0052	SF			9" Closed Cell Articulated Concrete Block.....	59.31	
				<i>For Up To 500, Add</i>	13.22	
				<i>For &gt;500 To 1,000, Add</i>	7.29	
<b>31 25 14 26</b>				<b>Stabilization Measures for Sedimentation Control</b> <small>(31 25 14)</small>		
<b>31 25 14 26-0001</b>				<b>Silt Fences And Dike Barriers</b> <small>(31 25 14 26)</small> Note: Includes stakes and embedding.		
<b>31 25 14 26-0002</b>				<b>Silt Fences 2' High</b> <small>(31 25 14 26-0001)</small> See CSI section 31 25 14 26-0014 for removal of silt fence.		
31 25 14 26-0003	LF			2' High Silt Fence with Stakes at 4' On Center .....	2.82	
31 25 14 26-0004	LF			2' High Silt Fence with Stakes at 6' On Center .....	2.19	
31 25 14 26-0005	LF			2' High Silt Fence with Stakes at 8' On Center .....	1.57	
31 25 14 26-0006	LF			2' High Silt Fence with Stakes at 10' On Center .....	1.36	
<b>31 25 14 26-0007</b>				<b>Silt Fences 3' High</b> <small>(31 25 14 26-0001)</small> See CSI section 31 25 14 26-0014 for removal of silt fence.		
31 25 14 26-0008	LF			3' High Silt Fence with Stakes at 4' On Center .....	2.91	
31 25 14 26-0009	LF			3' High Silt Fence with Stakes at 6' On Center .....	2.37	
31 25 14 26-0010	LF			3' High Silt Fence with Stakes at 8' On Center .....	2.06	
31 25 14 26-0011	LF			3' High Silt Fence with Stakes at 10' On Center .....	1.42	
<b>31 25 14 26-0012</b>				<b>Silt Dike Barrier</b> <small>(31 25 14 26-0001)</small>		
31 25 14 26-0013	LF			Silt Dike Barrier With Stakes.....	3.30	

<b>31</b>	<b>31</b>	<b>Earthwork</b>
	<b>31 20</b>	<b>Earth Moving</b>
	<b>31 25</b>	<b>Erosion and Sedimentation Controls</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>31 25 14 26-0014</b>	<b>Silt Fences Removal</b> <small>(31 25 14 26-0001)</small>		
31 25 14 26-0015	LF Removal Of Silt Fence And Stakes.....	0.79	
<b>31 25 14 26-0016</b>	<b>Hay And Straw Bales</b> <small>(31 25 14 26)</small>		
	Note: Includes trench for placement, and stakes.		
31 25 14 26-0017	LF Place Sterilized Straw Bales.....	4.09	
	Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0019 for removal of straw bale.		
31 25 14 26-0018	LF Place Hay Bales.....	3.84	
	Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0019 for removal of hay bale.		
31 25 14 26-0019	LF Removal Of Hay Or Straw Bales.....	1.42	
	Note: Includes removal of stakes.		
<b>31 25 14 26-0020</b>	<b>Sediment Logs (Degradable)</b> <small>(31 25 14 26)</small>		
<b>31 25 14 26-0021</b>	<b>Sediment Logs (Degradable)</b> <small>(31 25 14 26-0020)</small>		
	Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0022	LF 12" Sediment Log.....	8.22	
31 25 14 26-0023	LF 20" Sediment Log.....	11.14	
<b>31 25 14 26-0024</b>	<b>Wattles (Degradable) With UV Stabilized Synthetic Netting</b> <small>(31 25 14 26-0020)</small>		
	Note: Includes trench for placement, 24" wood staking at 4' on-center		
31 25 14 26-0025	EA Wattles (Sterile Straw Filled Rolls), 9" x 25'.....	174.26	
31 25 14 26-0026	EA Wattles (Sterile Straw Filled Rolls), 12" x 20'.....	170.03	
<b>31 25 14 26-0027</b>	<b>Fiber Roll (CALTRANS Type 1)</b> <small>(31 25 14 26)</small>		
	Note: Includes furrow trench for placement, 24" wood staking at 4' on-center		
31 25 14 26-0028	LF 8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1.....	7.00	
	<i>For &gt;1,000 To 10,000, Deduct</i>	-0.73	
	<i>For &gt;10,000, Deduct</i>	-1.23	
31 25 14 26-0029	LF 9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1.....	8.16	
	<i>For &gt;1,000 To 10,000, Deduct</i>	-0.76	
	<i>For &gt;10,000, Deduct</i>	-1.30	
31 25 14 26-0030	LF 12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1.....	10.37	
	<i>For &gt;1,000 To 10,000, Deduct</i>	-0.91	
	<i>For &gt;10,000, Deduct</i>	-1.56	
<b>31 25 14 26-0031</b>	<b>Fiber Roll (CALTRANS Type 2)</b> <small>(31 25 14 26)</small>		
	Note: Includes 24" wood stakes at 2' on-center off-set on sides with ropes.		
31 25 14 26-0032	LF 8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2.....	6.11	
	<i>For &gt;1,000 To 10,000, Deduct</i>	-0.59	
	<i>For &gt;10,000, Deduct</i>	-1.01	
31 25 14 26-0033	LF 9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2.....	7.23	
	<i>For &gt;1,000 To 10,000, Deduct</i>	-0.62	
	<i>For &gt;10,000, Deduct</i>	-1.07	
31 25 14 26-0034	LF 12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2.....	8.77	
	<i>For &gt;1,000 To 10,000, Deduct</i>	-0.67	
	<i>For &gt;10,000, Deduct</i>	-1.16	
<b>31 25 14 26-0035</b>	<b>Inlet Protection Sediment Bags</b> <small>(31 25 14 26)</small>		
	Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0036	EA 2' x 2' x 3' Inlet Protection Sediment Bag.....	58.67	
31 25 14 26-0037	EA 2' x 3' x 3' Inlet Protection Sediment Bag.....	74.62	
31 25 14 26-0038	EA 2' x 4' x 3' Inlet Protection Sediment Bag.....	93.29	

**31 30 Earthwork Methods** (31)

**31 31 Soil Treatment** (31 30)

**31 31 16 Termite Control** (31 31)

**31 31 16 13 Chemical Termite Control** (31 31 16)

**31 31 16 13-0001 Commercial Use** (31 31 16 13)

31 31 16 13-0002	SF Termite Pretreatment, Commercial Soil Poisoning Under Slab.....	0.74
31 31 16 13-0003	SF Termite Pretreatment, Commercial Slab And Walls.....	1.06

**31 31 16 13-0004 Residential Use** (31 31 16 13)

31 31 16 13-0005	SF Termite Pretreatment, Residential General Spraying Walls And Slab.....	1.13
31 31 16 13-0006	SF Termite Treatment, Existing Residential Structure.....	1.24

**31 31 19 Vegetation Control** (31 31)



	<b>Earthwork</b>	<b>31</b>	
	<b>Earthwork Methods</b>	<b>31 30</b>	
	<b>Soil Treatment</b>	<b>31 31</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**31 31 19 13 Chemical Vegetation Control** (31 31 19)**31 31 19 13-0001 Soil Sterilants** (31 31 19 13)

31 31 19 13-0002	MSF	Soil Sterilant.....	30.99	
		Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.		
		For >45 To 90, Deduct		-0.43
		For >90 To 225, Deduct		-2.41
		For >225, Deduct		-3.28

**31 32 Soil Stabilization** (31 30)**31 32 13 Soil Mixing Stabilization** (31 32)**31 32 13 16 Cement Soil Stabilization** (31 32 13)**31 32 13 16-0001 Cementitious Soil Binder** (31 32 13 16)

31 32 13 16-0002	CY	Cementitious Soil Binder, 4% Cement Mix By Volume .....	37.16	
31 32 13 16-0003	CY	Cementitious Soil Binder, 6% Cement Mix By Volume .....	42.86	
31 32 13 16-0004	CY	Cementitious Soil Binder, 9% Cement Mix By Volume .....	52.23	
31 32 13 16-0005	CY	Cementitious Soil Binder, 12% Cement Mix By Volume .....	61.46	

**31 32 13 19 Lime Soil Stabilization** (31 32 13)

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

**31 32 13 19-0001 Lime Slurry** (31 32 13 19)

31 32 13 19-0002	LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume.....	32.00	
31 32 13 19-0003	TON	Cement Stabilized Base Material.....	92.70	
31 32 13 19-0004	CWT	Lime For Soil Stabilization .....	14.41	
		Note: Excludes the cost for spreading or backfilling		
31 32 13 19-0005	LCY	Roller, Grader - Lime Stabilization .....	18.36	
31 32 13 19-0006	LCY	Roller, Grader - Cement Stabilization .....	4.09	

**31 32 13 19-0007 Lime Stabilized Subgrade** (31 32 13 19)

Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).

31 32 13 19-0008	SY	6" Thick Lime Stabilized Subgrade, 25 LB.....	9.97	
		For 4% Lime Instead Of 5%, Deduct		-0.26
		For 6% Lime Instead Of 5%, Add		0.26
31 32 13 19-0009	SY	7" Thick Lime Stabilized Subgrade, 29 LB.....	11.57	
		For 4% Lime Instead Of 5%, Deduct		-0.30
		For 6% Lime Instead Of 5%, Add		0.30
31 32 13 19-0010	SY	8" Thick Lime Stabilized Subgrade, 33 LB.....	13.21	
		For 4% Lime Instead Of 5%, Deduct		-0.34
		For 6% Lime Instead Of 5%, Add		0.34

**31 32 13 29 Liquid Soil Stabilization** (31 32 13)

31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution .....	2.67	
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**31 32 19 Geosynthetic Soil Stabilization and Layer Separation** (31 32)**31 32 19 13 Geogrid Soil Stabilization** (31 32 19)**31 32 19 13-0001 Geogrid Fabrics** (31 32 19 13)

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.

31 32 19 13-0002	SY	5.3 Ounce/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150).....	5.96	
		For Up To 50, Add		1.29
		For >50 To 150, Add		0.96
		For >150 To 250, Add		0.63
		For >250 To 500, Add		0.31
31 32 19 13-0003	SY	6.9 Ounce/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300).....	6.81	
		For Up To 50, Add		1.46
		For >50 To 150, Add		1.09
		For >150 To 250, Add		0.72
		For >250 To 500, Add		0.36
31 32 19 13-0004	SY	8.7 Ounce/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500).....	7.43	
		For Up To 50, Add		1.59
		For >50 To 150, Add		1.19
		For >150 To 250, Add		0.78
		For >250 To 500, Add		0.39

<b>31</b>	<b>31 Earthwork</b>
	<b>31 30 Earthwork Methods</b>
	<b>31 32 Soil Stabilization</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	31 32 19 13-0005	SY	12.6 Ounce/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800)	10.74	
			<i>For Up To 50, Add</i>	2.26	
			<i>For &gt;50 To 150, Add</i>	1.69	
			<i>For &gt;150 To 250, Add</i>	1.11	
			<i>For &gt;250 To 500, Add</i>	0.56	
	31 32 19 13-0006	SY	14.1 Ounce/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000)	12.31	
			<i>For Up To 50, Add</i>	2.58	
			<i>For &gt;50 To 150, Add</i>	1.92	
			<i>For &gt;150 To 250, Add</i>	1.27	
			<i>For &gt;250 To 500, Add</i>	0.64	
	31 32 19 13-0007	SY	4.3 Ounce/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	6.06	
			<i>For Up To 50, Add</i>	1.31	
			<i>For &gt;50 To 150, Add</i>	0.98	
			<i>For &gt;150 To 250, Add</i>	0.64	
			<i>For &gt;250 To 500, Add</i>	0.32	
	31 32 19 13-0008	SY	5.9 Ounce/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	8.96	
			<i>For Up To 50, Add</i>	1.89	
			<i>For &gt;50 To 150, Add</i>	1.41	
			<i>For &gt;150 To 250, Add</i>	0.93	
			<i>For &gt;250 To 500, Add</i>	0.47	

**31 32 19 16 Geotextile Soil Stabilization** (31 32 19)

**31 32 19 16-0001 Nonwoven Polypropylene Geotextiles** (31 32 19 16)

Note: For drainage, filtration and separation.

	31 32 19 16-0002	SY	3.0 Ounce/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS)	1.85	
			<i>For Up To 50, Add</i>	0.41	
			<i>For &gt;50 To 150, Add</i>	0.30	
			<i>For &gt;150 To 250, Add</i>	0.20	
			<i>For &gt;250 To 500, Add</i>	0.10	
	31 32 19 16-0003	SY	3.5 Ounce/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS)	1.98	
			<i>For Up To 50, Add</i>	0.44	
			<i>For &gt;50 To 150, Add</i>	0.32	
			<i>For &gt;150 To 250, Add</i>	0.21	
			<i>For &gt;250 To 500, Add</i>	0.11	
	31 32 19 16-0004	SY	4.0 Ounce/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS)	2.15	
			<i>For Up To 50, Add</i>	0.47	
			<i>For &gt;50 To 150, Add</i>	0.35	
			<i>For &gt;150 To 250, Add</i>	0.23	
			<i>For &gt;250 To 500, Add</i>	0.11	
	31 32 19 16-0005	SY	4.5 Ounce/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS)	2.32	
			<i>For Up To 50, Add</i>	0.50	
			<i>For &gt;50 To 150, Add</i>	0.37	
			<i>For &gt;150 To 250, Add</i>	0.25	
			<i>For &gt;250 To 500, Add</i>	0.12	
	31 32 19 16-0006	SY	6.0 Ounce/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS)	2.76	
			<i>For Up To 50, Add</i>	0.59	
			<i>For &gt;50 To 150, Add</i>	0.44	
			<i>For &gt;150 To 250, Add</i>	0.29	
			<i>For &gt;250 To 500, Add</i>	0.14	
	31 32 19 16-0007	SY	7.0 Ounce/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS)	3.23	
			<i>For Up To 50, Add</i>	0.69	
			<i>For &gt;50 To 150, Add</i>	0.52	
			<i>For &gt;150 To 250, Add</i>	0.34	
			<i>For &gt;250 To 500, Add</i>	0.17	
	31 32 19 16-0008	SY	8.0 Ounce/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS)	3.56	
			<i>For Up To 50, Add</i>	0.76	
			<i>For &gt;50 To 150, Add</i>	0.57	
			<i>For &gt;150 To 250, Add</i>	0.37	
			<i>For &gt;250 To 500, Add</i>	0.19	
	31 32 19 16-0009	SY	10 Ounce/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS)	4.40	
			<i>For Up To 50, Add</i>	0.93	
			<i>For &gt;50 To 150, Add</i>	0.69	
			<i>For &gt;150 To 250, Add</i>	0.46	
			<i>For &gt;250 To 500, Add</i>	0.23	
	31 32 19 16-0010	SY	16 Ounce/SY, 175 Mil, 425 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric	6.57	
			<i>For Up To 50, Add</i>	1.36	
			<i>For &gt;50 To 150, Add</i>	1.02	
			<i>For &gt;150 To 250, Add</i>	0.67	
			<i>For &gt;250 To 500, Add</i>	0.34	

**31 32 19 16-0011 Woven Geotextiles Fabric** (31 32 19 16)

	31 32 19 16-0012	SY	200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	2.69	
			<i>For Up To 50, Add</i>	0.58	
			<i>For &gt;50 To 150, Add</i>	0.43	
			<i>For &gt;150 To 250, Add</i>	0.28	
			<i>For &gt;250 To 500, Add</i>	0.14	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0013 SY 315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66) .....	3.80	
<i>For Up To 50, Add</i>	0.80	
<i>For &gt;50 To 150, Add</i>	0.60	
<i>For &gt;150 To 250, Add</i>	0.39	
<i>For &gt;250 To 500, Add</i>	0.20	
31 32 19 16-0014 SY 4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%) .....	6.73	
<i>For Up To 50, Add</i>	1.39	
<i>For &gt;50 To 150, Add</i>	1.04	
<i>For &gt;150 To 250, Add</i>	0.69	
<i>For &gt;250 To 500, Add</i>	0.34	
31 32 19 16-0015 SY 11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%) .....	6.56	
<i>For Up To 50, Add</i>	1.36	
<i>For &gt;50 To 150, Add</i>	1.02	
<i>For &gt;150 To 250, Add</i>	0.67	
<i>For &gt;250 To 500, Add</i>	0.34	
31 32 19 16-0016 SY 6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF) .....	5.72	
<i>For Up To 50, Add</i>	1.19	
<i>For &gt;50 To 150, Add</i>	0.89	
<i>For &gt;150 To 250, Add</i>	0.59	
<i>For &gt;250 To 500, Add</i>	0.29	
31 32 19 16-0017 SY 9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF) .....	6.12	
<i>For Up To 50, Add</i>	1.27	
<i>For &gt;50 To 150, Add</i>	0.95	
<i>For &gt;150 To 250, Add</i>	0.63	
<i>For &gt;250 To 500, Add</i>	0.31	
31 32 19 16-0018 SY 12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF) .....	7.84	
<i>For Up To 50, Add</i>	1.62	
<i>For &gt;50 To 150, Add</i>	1.21	
<i>For &gt;150 To 250, Add</i>	0.80	
<i>For &gt;250 To 500, Add</i>	0.40	
31 32 19 16-0019 SY 12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF) .....	11.21	
<i>For Up To 50, Add</i>	2.29	
<i>For &gt;50 To 150, Add</i>	1.71	
<i>For &gt;150 To 250, Add</i>	1.14	
<i>For &gt;250 To 500, Add</i>	0.57	
<b>31 32 19 16-0020 Geomembranes</b> <small>(31 32 19 16)</small>		
<b>31 32 19 16-0021 Polyvinyl Chloride (PVC) Geomembrane</b> <small>(31 32 19 16-0020)</small>		
31 32 19 16-0022 SF 20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	1.36	
31 32 19 16-0023 SF 30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	1.58	
31 32 19 16-0024 SF 40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	1.92	
31 32 19 16-0025 SF 50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	2.31	
31 32 19 16-0026 SF 60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	2.65	
31 32 19 16-0027 SF 70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	2.89	
31 32 19 16-0028 SF 80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	3.14	
31 32 19 16-0029 SF 90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	3.47	
31 32 19 16-0030 SF 100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	3.79	
<b>31 32 19 16-0031 High Density Polyethylene (HDPE) Geomembrane</b> <small>(31 32 19 16-0020)</small>		
31 32 19 16-0032 SF 20 Mil High Density Polyethylene Membrane (US Fabrics) .....	0.93	
31 32 19 16-0033 SF 30 Mil High Density Polyethylene Membrane (US Fabrics) .....	0.96	
31 32 19 16-0034 SF 40 Mil High Density Polyethylene Membrane (US Fabrics) .....	1.10	
31 32 19 16-0035 SF 50 Mil High Density Polyethylene Membrane (US Fabrics) .....	1.66	
31 32 19 16-0036 SF 60 Mil High Density Polyethylene Membrane (US Fabrics) .....	1.34	
31 32 19 16-0037 SF 80 Mil High Density Polyethylene Membrane (US Fabrics) .....	1.60	
31 32 19 16-0038 SF 100 Mil High Density Polyethylene Membrane (US Fabrics) .....	1.86	
31 32 19 16-0039 SF 120 Mil High Density Polyethylene Membrane (US Fabrics) .....	3.20	
31 32 19 16-0040 SF 140 Mil High Density Polyethylene Membrane (US Fabrics) .....	3.31	
<b>31 32 19 26 Geoweb Cellular Confinement System</b> <small>(31 32 19)</small>		
Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
<b>31 32 19 26-0001 Geoweb Cellular Confinement System</b> <small>(31 32 19 26)</small>		
Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 32 19 26-0002 SF 4" Geoweb Cellular Confinement System (Presto Geosystems) .....	7.70	
<i>For &gt;20,000, Deduct</i>	-0.21	
<i>For &gt;2:1 Slope, Add</i>	1.13	
31 32 19 26-0003 SF 6" Geoweb Cellular Confinement System (Presto Geosystems) .....	9.62	
<i>For &gt;20,000, Deduct</i>	-0.31	
<i>For &gt;2:1 Slope, Add</i>	1.13	
31 32 19 26-0004 SF 8" Geoweb Cellular Confinement System (Presto Geosystems) .....	11.90	
<i>For &gt;20,000, Deduct</i>	-0.42	
<i>For &gt;2:1 Slope, Add</i>	1.13	

<b>31</b>	<b>31</b>	<b>Earthwork</b>
	<b>31 30</b>	<b>Earthwork Methods</b>
	<b>31 32</b>	<b>Soil Stabilization</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**31 32 36 Soil Nailing** (31 32)

**31 32 36 11 Soil Nailing Stabilization** (31 32 36)

**31 32 36 11-0001 Landslide and Slip-Out Stabilization** (31 32 36 11)

Note: Work shall consist of the Contractor stabilizing identified slides by internally reinforcing the soil mass with reinforcing elements (nails) by using one or more of the installation methods specified in this contract. The Owner will identify locations for work to be performed as specified herein. The Contractor shall review all locations with Owner representatives to determine the method to be used. The Contractor will provide all necessary engineering plans and details required to successfully repair slides as noted. These plans shall be stamped by a registered professional engineer with a current California license who is knowledgeable in the design and implementation of slope stabilization with soil nails and related work. The contractor shall furnish all labor, materials, and equipment required to complete the work. Any necessary installation methods and associated costs are the responsibility of the contractor. The Contractor and the Contractor's Engineer will also warrant the stability of the repaired roadway section for a period of 5 years.

**31 32 36 11-0002 BioWall®** (31 32 36 11-0001)

Note: Furnish and install the BioWall® to integrate with Launched Soil Nails™, SuperNails® or Self Drilling SuperNails®. The BioWall® is a confined soil/compost mass capable of sustaining vegetation at slope angles up to ¼(H):1(V), and is composed of 2 layers of galvanized wire mesh and 2 layers of lightweight geosynthetic encasing a seeded compost and/or topsoil mix, tied to the soil nails by steel plates. Furnish equipment and incidentals necessary to complete the work. BioWall® to soil nail connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0003 SF BioWall® Construction.....25.00

**31 32 36 11-0004 Green Terra Mesh** (31 32 36 11-0001)

Note: Furnish and install the Green Terra Mesh. Furnish equipment and incidentals necessary to complete the work. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0005 EA Green Terra Mesh.....635.25

**31 32 36 11-0006 GeoSynthetically Confined Soil™ (GCS®) Components** (31 32 36 11-0001)

Note: Furnish and install geosynthetic reinforcement, backfill and facing element to construct a Geosynthetically Confined Soil Wall™ (GCS®). Designs shall comply with the Design Standards for Geosynthetically Confined Soil Walls (adapted from the NCHRP Report 556 – Design and Construction Guidelines for Geosynthetic – Reinforced Soil Bridge Abutments with a Flexible Facing) noted below. Reinforcement Selection and Placement: Geosynthetic reinforcement shall consist of high-tenacity geotextiles manufactured for soil reinforcement applications. Geotextiles shall not be exposed to sunlight and extreme temperatures for an extended period of time. Damaged or improperly handled geosynthetic reinforcement shall be rejected. Use a woven polypropylene geotextile with ultimate tensile strength of 2400 lbs/ft (Amoco 2044 or similar) in the cross-machine direction (as per ASTM D4595). The geosynthetic reinforcement perpendicular to the wall face should consist of one continuous piece of material. Overlap of reinforcement in the design strength direction is not permitted. Adjacent sections of geosynthetic reinforcement should be placed so as to ensure that horizontal coverage shown on the plans is provided. Tracked construction equipment shall not be operated directly on the geosynthetic reinforcement. A minimum backfill thickness of 150 mm (6 in.) is required before operation of tracked vehicles over the geosynthetic reinforcement. Turning of tracked vehicles should be kept to a minimum to prevent displacing the fill and damaging or moving the geosynthetic reinforcement. Rubber-tired equipment may pass over the geosynthetic reinforcement at slow speeds less than 17 km/hr (10 miles/hr). Sudden braking and sharp turning should be avoided. Backfill Specifications: Structure backfill material should consist of material free from organic or other unsuitable material as determined by the Contractor's Engineer. Grading of the backfill should be as follows: 100 percent passing 100 mm (4 in.) sieve, 0-60 percent passing No. 40 (0.425 mm) sieve, and 0-15 percent passing No. 200 (0.075mm) sieve; plasticity index (PI) as determined by AASHTO T90, should not exceed 6. The backfill should exhibit an angle of internal friction of not less than 34 degrees, as determined by the standard direct shear test on the portion finer than 2 mm (No.10) sieve, using a sample compacted to 95 percent of AASHTO T-99, Methods C or D, at optimum moisture content. No testing is required for backfills where 80 percent of sizes are greater than 19 mm. The backfill should be substantially free of shale or other soft, poor durability particles and should have an organic content not larger than 1 percent. The backfill should have a pH between 4.5 and 9. Backfill Placement: Reinforced fill should be placed as specified in construction plans in compacted lift thickness of 8in, but in no case in lifts greater than 12in. Reinforced fill should be placed and compacted at or within 2 percent dry of the optimum moisture content. If the reinforced fill is free draining (i.e., with less than 5 percent passing a No. 200 sieve), water content of the fill may be within ±3 percent of the optimum. A minimum density of 90 percent of standard Proctor density is required. Optimum compaction is 100 percent of AASHTO T-99 (or 95 percent of AASHTO T-180) but this may not be possible throughout the wall structure. If significant percentage of the backfill is coarse material (i.e., greater than 30 percent retained on the 19 mm, or ¾ in., sieve), a procedural specification may be used to verify compaction, (no less than two passes with a conventional vibratory plate compaction equipment). Backfill should be placed, spread, and compacted so as to prevent the development of wrinkles or movement of the geosynthetic reinforcement and the wall facing units. Only hand-operated compaction equipment should be allowed within 0.5 m (1.5 ft) of the front of th See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0007 SF GeoSynthetically Confined Soil™ (GCS®) Wall Construction .....23.75

Note: Installation sold per square face foot (excludes materials)

31 32 36 11-0008 EA GeoSynthetically Confined Soil™ (GCS®) Wall Galvanized Wire Basket Units (approximately 10" x 120") .....108.50

31 32 36 11-0009 EA GeoSynthetically Confined Soil™ (GCS®) Wall Concrete Masonry Units (approximately 8" x 8" x 16") .....6.50

31 32 36 11-0010 SF GeoSynthetically Confined Soil™ (GCS®) Wall Woven Geotextile .....0.75

**31 32 36 11-0011 Turf** (31 32 36 11-0001)

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).



	<b>Earthwork</b>	<b>31</b>	
	<b>Earthwork Methods</b>	<b>31 30</b>	<b>13</b>
	<b>Soil Stabilization</b>	<b>31 32</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>31 32 36 11-0012 Permanent Turf Reinforcing Mat (TRM)</b> <small>(31 32 36 11-0011)</small> Note: Furnish a web of mechanically bonded synthetic fibers that are entangled to form a strong and dimensionally stable mat. Place fibers between 2 or 3 high-strength, biaxially oriented nets mechanically bound together by stitching with polyolefin thread. The netting material must be resistant to biological, chemical, and ultra-violet degradation.		
31 32 36 11-0013 SF Permanent Turf Reinforcement Mat..... 1.50 Note: sold per square face foot	1.50	
<b>31 32 36 11-0014 Biodegradable Turf Reinforcing Mat (TRM)</b> <small>(31 32 36 11-0011)</small> Note: Furnish a geotextile composed of seed free processed natural fiber matrix mechanically bound together with 100% degradable binding fiber or netting to form a continuous matrix.		
31 32 36 11-0015 SF Biodegradable Turf Reinforcement Mat ..... 0.75 Note: sold per square face foot	0.75	
<b>31 32 36 11-0016 Shotcrete or Gunite</b> <small>(31 32 36 11-0001)</small> Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
<b>31 32 36 11-0017 Wet-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™</b> <small>(31 32 36 11-0016)</small> Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a wet-mix. The wet-mix process consists of thoroughly mixing all the ingredients except accelerating admixtures, but including the mixing water, introducing the mixture into the delivery equipment and delivering it, by positive displacement, to the nozzle. Air jet the wet-mix shotcrete from the nozzle at high velocity onto the surface. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, III or V. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Water Clean and Potable. AASHTO M157/ASTM C94 Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplasticizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use mixing equipment that thoroughly blends the materials in sufficient quantity to maintain placing continuity. Produce ready mix shotcrete complying		
31 32 36 11-0018 SFI Wet-Mix Reinforced Shotcrete..... 5.50 Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).	5.50	

<b>31</b>	<b>31</b>	<b>Earthwork</b>
	<b>31 30</b>	<b>Earthwork Methods</b>
	<b>31 32</b>	<b>Soil Stabilization</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

31 32 36 11-0019	<p><b>Dry-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™</b> <small>(31 32 36 11-0016)</small></p> <p>Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a dry-mix. The dry-mix process consists of thoroughly mixing Portland cement and aggregate (and or synthetic fiber) thoroughly mixed dry, passed through a cement gun and conveyed by air through a flexible tube, hydrated at a nozzle at the end of such flexible tube and deposited by air pressure in its place of final repose. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, or III. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Fiber Reinforcement ASTM C116-00 Water Clean and Potable. AASHTO M157/ASTM C94 and shall be maintained at a uniform pressure which shall be at least 15 pounds per square inch above air pressure at the nozzle. Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C6</p>	
31 32 36 11-0020	<p>SFI Dry-Mix Reinforced Gunite.....8.50 Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).</p>	
31 32 36 11-0021	<p><b>Steel Fiber Reinforcement for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™</b> <small>(31 32 36 11-0016)</small></p>	
31 32 36 11-0022	<p>SFI Steel Fiber Reinforcement .....1.25 Note: sold per inch thickness over one square face foot of area</p>	
31 32 36 11-0023	<p><b>Steel Mesh and Steel Plates for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails®</b> <small>(31 32 36 11-0001)</small></p> <p>Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).</p>	
31 32 36 11-0024	<p><b>Steel Mesh Surface Treatment for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails®</b> <small>(31 32 36 11-0023)</small></p> <p>Note: Furnish Galfan® Coated Steel Mesh for use with Launched Soil Nails™, SuperNails®, or Self Drilling SuperNails® that is a double twisted hexagonal galvanized steel wire mesh manufactured according to ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions. Alternately, the mesh may be a diamond shaped, three dimensional mesh made with high capacity 3-millimeter diameter wire. Furnish steel plates to connect the mesh to the nail systems described herein. Furnish equipment and incidentals necessary to complete the work. Soil Nail to mesh connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</p>	
31 32 36 11-0025	<p>SF High Capacity Diamond Mesh.....11.00 Note: sold per square face foot</p>	
31 32 36 11-0026	<p>SF Double Twist Wire Mesh.....13.75 Note: sold per square face foot</p>	
31 32 36 11-0027	<p><b>Steel Plates</b> <small>(31 32 36 11-0023)</small></p>	
31 32 36 11-0028	EA Galvanized Steel Plates (8x8).....35.00	
31 32 36 11-0029	EA Galvanized Steel Plates (10x10).....54.75	
31 32 36 11-0030	EA Galvanized Steel Plates (12x12).....78.75	
31 32 36 11-0031	EA Epoxy Coated Steel Plates (8x8) .....76.00	
31 32 36 11-0032	EA Epoxy Coated Steel Plates (10x10) .....89.25	
31 32 36 11-0033	EA Epoxy Coated Steel Plates (12x12) .....105.25	



	<b>Earthwork</b>	<b>31</b>	
	Earthwork Methods	31 30	15
	Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**31 32 36 11-0034**

**Drilled Horizontal Drains** (31 32 36 11-0001)

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0035	LF	Drilled PVC Horizontal Drains (up to 2" Diameter).....	26.00
31 32 36 11-0036	LF	Stripdrain - 6" Wide.....	3.25
31 32 36 11-0037	LF	Stripdrain - 12" Wide.....	4.00
31 32 36 11-0038	LF	PVC Drain Collector Pipe System.....	26.75

**31 32 36 11-0039**

**Rockfall Stabilization** (31 32 36 11-0001)

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0040	SF	Scaling.....	3.75
31 32 36 11-0041	SF	Trim Blasting.....	155.00
31 32 36 11-0042	SY	Slope Drape - Double Twist Wire Mesh.....	45.00
31 32 36 11-0043	SY	Slope Drape - Cable Net.....	135.00
31 32 36 11-0044	SY	Slope Drape - Tecco Mesh (4mm).....	135.00
31 32 36 11-0045	LF	Temporary Rockfall Barrier.....	500.00
31 32 36 11-0046	LF	Low Reach Drilling (<25 feet).....	25.00
31 32 36 11-0047	LF	High Reach Drilling (>25 feet).....	45.00
31 32 36 11-0048	LF	Limited Access Drilling.....	100.00
31 32 36 11-0049	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Galvanized).....	18.50
31 32 36 11-0050	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Epoxy Coated).....	15.25
31 32 36 11-0051	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Galvanized).....	23.25
31 32 36 11-0052	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Epoxy Coated).....	17.25
31 32 36 11-0053	LF	F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Galvanized).....	23.50
31 32 36 11-0054	LF	F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Epoxy Coated).....	18.75
31 32 36 11-0055	LF	F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Galvanized).....	26.50
31 32 36 11-0056	LF	F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Epoxy Coated).....	21.00
31 32 36 11-0057	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Galvanized).....	29.25
31 32 36 11-0058	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Epoxy Coated).....	21.00
31 32 36 11-0059	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Galvanized).....	34.50
31 32 36 11-0060	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Epoxy Coated).....	31.75
31 32 36 11-0061	EA	Rock Anchor Testing.....	825.00

**31 32 36 11-0062**

**Mobilization / Demobilization** (31 32 36 11-0001)

31 32 36 11-0063	EA	Mobilization - In State.....	10,000.00
31 32 36 11-0064	EA	Mobilization - Out Of State.....	25,000.00
31 32 36 11-0065	EA	Mobilization - Specialty Equipment Adder.....	9,800.00

**31 32 36 11-0066**

**Daily Crew Rates (DCR)** (31 32 36 11-0001)

31 32 36 11-0067	DAY	Soils Stabilization Crew - DCR , Per Workday.....	13,150.00
31 32 36 11-0068	DAY	Rockfall Stabilization Crew - DCR, Per Workday.....	15,200.00
31 32 36 11-0069	DAY	Compaction Grouting Crew - DCR, Per Workday.....	12,925.00
31 32 36 11-0070	DAY	Additional Crew Member/Crew - DCR, Per Workday.....	2,050.00
31 32 36 11-0071	EA	Out of State Crew Rotation.....	4,950.00
31 32 36 11-0072	EA	Spider Excavation.....	5,500.00

**31 32 36 13**

**Driven Soil Nailing** (31 32 36)

**31 32 36 13-0001**

**Large Diameter Micropiles** (31 32 36 13)

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 13-0002	LF	5" Micropiles (with up to 5.5" steel casing).....	94.50
31 32 36 13-0003	LF	7" Micropiles (with up to 7.625" steel casing).....	130.25
31 32 36 13-0004	LF	10" Micropiles (with up to 9.625" steel casing).....	166.50
31 32 36 13-0005	LF	12" Micropiles (with up to 11.875" steel casing).....	213.25

**31 32 36 16**

**Grouted Soil Nailing** (31 32 36)

**31 32 36 16-0001**

**Grouting** (31 32 36 16)

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

<b>31</b>	<b>31</b>	<b>Earthwork</b>
	<b>31 30</b>	<b>Earthwork Methods</b>
	<b>31 32</b>	<b>Soil Stabilization</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**31 32 36 16-0002**

**Compaction Grouting** (31 32 36 16-0001)

Note: A. Furnish compaction grout material manufactured on-site (at the project location) in volumetric batching equipment so that grout rheology can be controlled real-time. The grout shall have a slump of 0.50" to 3.0" depending on the specific requirements of the project and shall conform to the engineering plans developed and submitted by the Contractor. Grout components shall consist of Type I/II cement, potable water and aggregate. Fly Ash may be added to the mix per the engineering plans. All aggregate for the compaction grout material shall meet the following requirements: a. 100% passing the 1/2" sieve b. Less than 2% organics c. No bentonite or other clay of medium to high plasticity shall be used. Site conditions and re-leveling requirements shall determine the exact proportions of cement, water and soil. The grout mix shall generally consist of aggregate with up to 12% cement by weight and water to form a very stiff mortar-like mixture. No admixtures shall be used without the Project Manager's approval, and previous testing. Mix design and test results of grout mixture must be submitted and approved by the Project Manager 15 Days prior to the commencement of the work. A. Gradations of the aggregate material to be utilized shall be submitted as part of the submittal process and prior to any work taking place. B. The compaction grouting mixer shall be of a type to ensure complete mixing of the stiff grout, as approved by the Project Manager. The compaction grout mixer shall be of sufficient capacity to continuously deliver grout having a slump of less than 1.5 inches at pressures up to 1,000 psi, at flow rates ranging from 0.1 to 5.0 cubic feet per minute. Gauges shall be provided at the pump and the grout pipe head to measure pressure the rate of flow. Type and location of gauges shall be as specified by the Contractor. A dial gauge or meter capable of measuring to 0.5 cubic feet or less shall be provided to measure the amount of grout pumped into the hole. A pressure gauge shall be graduated in 10-psi increments or less and used to measure the applied pressure. Compaction grout hose shall have a minimum inside diameter of 2 inches with non-restrictive full flow couplings. The hose shall be of sufficient strength for the pressures anticipated, and shall be in good condition.

31 32 36 16-0003	LF	Compaction Grouting Casing Installation.....	52.75
31 32 36 16-0004	CF	Compaction Grout Injection for Soils Densification.....	55.50
31 32 36 16-0005	CF	Compaction Grout For Void Fill.....	39.00

**31 32 36 16-0006**

**Polyurethane Grouting** (31 32 36 16-0001)

Note: The material shall be a two part 1:1 ratio by volume, polyurethane-forming mixture, having a water insoluble diluent, which permits the formation of polyurethanes in excess water. The material shall reach 90% Compressive strength in 30 minutes such that traffic may be returned to roadway within 30 minutes after last injection of material. Polyurethane Free-rise Physical Properties Property I Units ASTM Minimum Maximum Density - lb/cf D 1622 3.0 lb/cf 6.0 lb/cf Tensile Strength - psi D 1623 80 psi Compressive Strength at Yield Point - psi D 1621 60 psi Furnish equipment and incidentals necessary to complete the work. Polyurethane grout shall not be used for deep injection (deeper than 3 ft below bottom of structure) or soils densification, it shall only be used for void filling under structures and for re-leveling. The Contractor shall prepare a profile to determine the areas that require void filling and re-leveling and determine the locations of the injection holes for each treated area. The Contractor shall obtain approval for the final proposed grades and the location of injection holes. The Contractor shall submit a plan for approval of the proposed polyurethane injection methods for the designated project areas. The plan shall include, but not be limited to: proposed diameter of casing (if required), depth of placement, angle of inclination, injection tube spacing, and project staging. The plan shall include monitoring procedures to ensure that damage will not occur to any existing structures due to the injection process. Monitoring devices shall be installed on mechanically stabilized earth retaining systems and between approach slabs and approach slab footings or other components to help prevent damage. The Contractor shall drill a pattern of holes as proposed in his plan. The holes shall be located in a manner that the void filling and structure lifting process does not affect any adjoining structures, such as mechanically stabilized earth retaining walls. Holes shall not be drilled within 4" of the edge of the slab, construction joints or major cracks. No more holes shall be drilled and tubes installed during the day than can be filled during that day. On bridge approach and roadway projects, and as applicable, the initial lift shall be at the sleeper footer. The Contractor shall lift the sleeper footer and the approach slab to the desired elevation by injecting material under the structures with care to assure that polyurethane material is not placed between the sleeper footer and the approach slab. The amount of rise shall be controlled by regulating the rate of injection of the high density polyurethane material. When the nozzle is removed from the hole, any excessive polyurethane material shall be removed from the area.

31 32 36 16-0007	LB	Polyurethane Grouting For Void Fill and Re-Leveling.....	11.50
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**31 32 36 19 Corrosion-Protected Soil Nailing** (31 32 36)

**31 32 36 19-0001**

**Self-Drilling SuperNails® / SuperMicropiles™** (31 32 36 19)

Note: Furnish Self-Drilling SuperNails® / SuperMicropiles™ that consist of a hollow, threaded bar with a sacrificial drill bit. Multiple bars may be coupled to produce final length. Bar thread pattern should be continuous and conform to the pullout requirements of ASTM A 615 (Williams Form Engineering B7X or Ischebeck Titan bars, or approved equivalent). R-thread bars, bars/couplers made from high carbon (>0.20%) or high phosphorous (>0.06%) steels, or bars/couplers made from steels that do not meet the tensile ductility requirements of ASTM A 615 shall not be used for any tensile applications. Bar outer diameters shall be a minimum of 1.5 inches and up to and 3 inches depending on design load. Corrosion Protection for Self Drilling Nails shall follow current FHWA guidance. Inserted length and spacing of Self-Drilling SuperNails® / SuperMicropiles™ will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

**31 32 36 19-0002**

**Self-Drilling SuperNails®** (31 32 36 19-0001)

31 32 36 19-0003	EA	Self Drilling SuperNails® Up To 10 Ft. Length.....	559.00
31 32 36 19-0004	EA	Self Drilling SuperNails® Up To 20 Ft. Length.....	939.25
31 32 36 19-0005	EA	Self Drilling SuperNails® Up To 30 Ft. Length.....	1,305.75
31 32 36 19-0006	EA	Self Drilling SuperNails® Up To 40 Ft. Length.....	1,735.75
31 32 36 19-0007	EA	Self Drilling SuperNails® Up To 50 Ft. Length.....	2,119.75
31 32 36 19-0008	EA	Self Drilling SuperNails® Up To 60 Ft. Length.....	2,459.25
31 32 36 19-0009	EA	Self Drilling SuperNails® Up To 70 Ft. Length.....	2,879.25
31 32 36 19-0010	EA	Self Drilling SuperNails® Up To 80 Ft. Length.....	3,253.50
31 32 36 19-0011	EA	Additional Cost for 10' High Capacity X-51 Bar.....	129.50

**31 32 36 19-0012**

**SuperNail® Testing** (31 32 36 19)

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).



<b>Earthwork</b>	<b>31</b>	<b>CS</b>
<b>Earthwork Methods</b>	<b>31 30</b>	
<b>Soil Stabilization</b>	<b>31 32</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 19-0013	EA	SuperNail® Proof Testing.....	769.00
31 32 36 19-0014	EA	SuperNail® Verification Testing.....	2,339.75

**31 32 36 26 Launched Soil Nailing** (31 32 36)

**31 32 36 26-0001 Launched SuperDrain™ (Horizontal Drains)** (31 32 36 26)

Note: Furnish Launched SuperDrain™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Drainage perforations consist of 0.5-inch diameter holes drilled or torch-cut at 6 inch spacing along the distal 5 feet of nail. Every other hole is rotated 90° about the longitudinal axis of the nail. Furnish equipment and incidentals necessary to complete the work. Insert Launched SuperDrain™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 26-0002	EA	GalvaDized™ SuperDrain™ - Up To 20'..... Note: perforated GalvaDized™ steel tube up to 20 ft. length.	605.00
31 32 36 26-0003	EA	Fiberglass SuperNail® - Up To 20'..... Note: perforated fiberglass tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.	621.50
31 32 36 26-0004	EA	GalvaDized™ SuperNail® - Up To 20'..... Note: perforated GalvaDized™ steel tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.	478.50
31 32 36 26-0005	EA	Temporary Launched Soil Nail..... Note: bare steel tube up to 20 ft. length.	379.50
31 32 36 26-0006	EA	Fiberglass SuperDrain™..... Note: perforated fiberglass tube up to 20 ft. length.	495.00
31 32 36 26-0007	EA	GalvaDized™ SuperDrain™..... Note: perforated GalvaDized™ steel tube up to 20 ft. length.	379.50

**31 32 36 29 Drilled Soil Nailing** (31 32 36)

**31 32 36 29-0001 Drilled SuperNails® (Permanently Cased Soil Nails)** (31 32 36 29)

Note: Furnish SuperNails® that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 threadbar as the inner bar. SuperNails® may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperNail® outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner threadbar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 29-0002	EA	Drilled GalvaDized™ SuperNail® Up To 10 Ft. Length..... Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	602.25
31 32 36 29-0003	EA	Drilled GalvaDized™ SuperNail® Up To 20 Ft. Length..... Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	693.50
31 32 36 29-0004	EA	Drilled GalvaDized™ SuperNail® Up To 30 Ft. Length..... Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	921.50
31 32 36 29-0005	EA	Drilled GalvaDized™ SuperNail® Up To 40 Ft. Length..... Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	1,056.00
31 32 36 29-0006	EA	Drilled GalvaDized™ SuperNail® Up To 50 Ft. Length..... Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	1,171.50
31 32 36 29-0007	EA	Drilled GalvaDized™ SuperNail® Up To 60 Ft. Length..... Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	1,376.50
31 32 36 29-0008	EA	Drilled GalvaDized™ SuperNail® Up To 70 Ft. Length..... Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	1,624.75
31 32 36 29-0009	EA	Drilled GalvaDized™ SuperNail® Up To 80 Ft. Length..... Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	1,872.75

**31 32 36 33 Drilled / Launched Soil Nailing** (31 32 36)

**31 32 36 33-0001 Drilled / Launched SuperMicropiles™** (31 32 36 33)

Note: Furnish SuperMicropiles™ that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 threadbar as the inner bar. SuperMicropiles™ may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperMicropile™ outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner threadbar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 33-0002	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 20 Ft. Length..... Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	695.00
31 32 36 33-0003	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 30 Ft. Length..... Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	1,020.00
31 32 36 33-0004	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 40 Ft. Length..... Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	1,280.00
31 32 36 33-0005	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 50 Ft. Length..... Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	1,540.00

<b>31</b>	<b>31 Earthwork</b>
	<b>31 30 Earthwork Methods</b>
	<b>31 32 Soil Stabilization</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**31 35 Slope Protection** (31 30)

**31 35 19 Geosynthetic Slope Protection** (31 35)

**31 35 19 19 Slope Protection with Mulch Control Netting** (31 35 19)

**31 35 19 19-0001 Erosion Control Fabric** (31 35 19 19)

31 35 19 19-0002 SY 26.6 OZ/SY Erosion Control Fabric (Belton Industries Geocoir 900) .....5.04

**31 37 Riprap** (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

**31 37 13 Machined Riprap** (31 37)

**31 37 13 00-0001 Random - Filter Stone** (31 37 13)

31 37 13 00-0002	CY	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap .....	61.22
		<i>For Chinking Material, Add</i>	14.17
31 37 13 00-0003	CY	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap .....	70.67
		<i>For Chinking Material, Add</i>	14.17
31 37 13 00-0004	CY	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap .....	75.12
		<i>For Chinking Material, Add</i>	14.17
31 37 13 00-0005	CY	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap .....	80.19
		<i>For Chinking Material, Add</i>	14.17
31 37 13 00-0006	CY	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap .....	84.28
		<i>For Chinking Material, Add</i>	14.17
31 37 13 00-0007	CY	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap .....	90.97
31 37 13 00-0008	CY	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap .....	108.21
31 37 13 00-0009	TON	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap .....	40.78
31 37 13 00-0010	TON	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap .....	46.78
31 37 13 00-0011	TON	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap .....	49.61
31 37 13 00-0012	TON	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap .....	52.83
31 37 13 00-0013	TON	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap .....	55.42
31 37 13 00-0014	TON	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap .....	59.72
31 37 13 00-0015	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap .....	73.36

**31 40 Shoring and Underpinning** (31)

**31 41 Shoring** (31 40)

**31 41 13 Timber Shoring** (31 41)

**31 41 13 00-0001 Wood Sheet Piling** (31 41 13)

**31 41 13 00-0002 Pull And Salvage** (31 41 13 00-0001)

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 13 00-0003	SF	8' Deep Excavation, Wood Shoring, Pull And Salvage .....	13.31
		<i>For Wood Sheeting Left In Place</i>	-0.38
31 41 13 00-0004	SF	10' Deep Excavation, Wood Shoring, Pull And Salvage .....	14.37
		<i>For Wood Sheeting Left In Place</i>	-0.56
31 41 13 00-0005	SF	12' Deep Excavation, Wood Shoring, Pull And Salvage .....	15.52
		<i>For Wood Sheeting Left In Place</i>	-0.74
31 41 13 00-0006	SF	14' Deep Excavation, Wood Shoring, Pull And Salvage .....	16.76
		<i>For Wood Sheeting Left In Place</i>	-0.97
31 41 13 00-0007	SF	16' Deep Excavation, Wood Shoring, Pull And Salvage .....	18.11
		<i>For Wood Sheeting Left In Place</i>	-1.20
31 41 13 00-0008	SF	18' Deep Excavation, Wood Shoring, Pull And Salvage .....	19.58
		<i>For Wood Sheeting Left In Place</i>	-1.48
31 41 13 00-0009	SF	20' Deep Excavation, Wood Shoring, Pull And Salvage .....	21.19
		<i>For Wood Sheeting Left In Place</i>	-1.77

**31 41 16 Sheet Piling** (31 41)

**31 41 16 13 Steel Sheet Piling** (31 41 16)

**31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage** (31 41 16 13)

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 16 13-0002	TON	Driven Steel Sheet Piling, 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage.....	2,086.78
		<i>For Standard Sheeting Left In Place, Add</i>	1,143.45
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,100.57
		<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	96.48
		<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	107.20
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	332.31
		<i>For Each Additional Month &gt;3 Months, Add</i>	53.60





<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Shoring and Underpinning</b>	<b>31 40</b>	
<b>Shoring</b>	<b>31 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 41 16 13-0003 TON Driven Steel Sheet Piling, 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage.....	2,170.33	
For Standard Sheeting Left In Place, Add	1,101.67	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,058.80	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	96.48	
For High Strength Sheeting 55,000 PSI Grade, Add	107.20	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	332.31	
For Each Additional Month >3 Months, Add	53.60	
31 41 16 13-0004 TON Driven Steel Sheet Piling, 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,558.76	
For Standard Sheeting Left In Place, Add	907.46	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	864.58	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	96.48	
For High Strength Sheeting 55,000 PSI Grade, Add	107.20	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	332.31	
For Each Additional Month >3 Months, Add	53.60	
31 41 16 13-0005 TON Driven Steel Sheet Piling, 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,932.54	
For Standard Sheeting Left In Place, Add	720.57	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	677.69	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	96.48	
For High Strength Sheeting 55,000 PSI Grade, Add	107.20	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	332.31	
For Each Additional Month >3 Months, Add	53.60	
31 41 16 13-0006 TON Driven Steel Sheet Piling, 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	3,152.40	
For Standard Sheeting Left In Place, Add	610.64	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	567.76	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	96.48	
For High Strength Sheeting 55,000 PSI Grade, Add	107.20	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	332.31	
For Each Additional Month >3 Months, Add	53.60	
31 41 16 13-0007 TON Driven Steel Sheet Piling, 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	3,376.66	
For Standard Sheeting Left In Place, Add	498.51	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	455.63	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	96.48	
For High Strength Sheeting 55,000 PSI Grade, Add	107.20	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	332.31	
For Each Additional Month >3 Months, Add	53.60	

31 45 Vibroflotation and Densification (31 45)

**31 45 13 Vibroflotation** (31 45)

31 45 13 00-0001 LCY Soil Stabilization, Vibroflotation.....	14.95
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31 60 Special Foundations and Load-bearing Elements (31)

31 62 Driven Piles (31 62)

**31 62 13 Concrete Piles** (31 62)

**31 62 13 23 Prestressed Concrete Piles** (31 62 13)

**31 62 13 23-0001 Square Prestressed Driven Concrete Piles** (31 62 13 23)

31 62 13 23-0002 VLF 10" Square Prestressed Driven Concrete Pile.....	32.80
For Piles Driven In Water, Add	15.84
31 62 13 23-0003 VLF 12" Square Prestressed Driven Concrete Pile.....	41.17
For Piles Driven In Water, Add	17.84
31 62 13 23-0004 VLF 14" Square Prestressed Driven Concrete Pile.....	49.92
For Piles Driven In Water, Add	19.63
31 62 13 23-0005 VLF 16" Square Prestressed Driven Concrete Pile.....	61.19
For Piles Driven In Water, Add	21.81
31 62 13 23-0006 VLF 18" Square Prestressed Driven Concrete Pile.....	74.31
For Piles Driven In Water, Add	24.32
31 62 13 23-0007 VLF 20" Square Prestressed Driven Concrete Pile.....	85.97
For Piles Driven In Water, Add	26.89
31 62 13 23-0008 VLF 24" Square Prestressed Driven Concrete Pile.....	109.70
For Piles Driven In Water, Add	30.93

**31 62 13 23-0009 Octagonal Prestressed Driven Concrete Piles** (31 62 13 23)

31 62 13 23-0010 VLF 12" Octagonal Prestressed Driven Concrete Pile.....	36.85
For Piles Driven In Water, Add	16.60
31 62 13 23-0011 VLF 14" Octagonal Prestressed Driven Concrete Pile.....	45.25
For Piles Driven In Water, Add	18.25
31 62 13 23-0012 VLF 16" Octagonal Prestressed Driven Concrete Pile.....	53.76
For Piles Driven In Water, Add	20.01
31 62 13 23-0013 VLF 18" Octagonal Prestressed Driven Concrete Pile.....	64.30
For Piles Driven In Water, Add	22.12
31 62 13 23-0014 VLF 20" Octagonal Prestressed Driven Concrete Pile.....	68.44
For Piles Driven In Water, Add	23.74
31 62 13 23-0015 VLF 24" Octagonal Prestressed Driven Concrete Pile.....	72.82
For Piles Driven In Water, Add	25.58

**31 62 13 23-0016 Straight Cylinder Prestressed Driven Concrete Piles** (31 62 13 23)

**31 Earthwork****31 60 Special Foundations and Load-bearing Elements****31 62 Driven Piles**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 13 23-0017	VLF	12" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	52.98	
		<i>For Piles Driven In Water, Add</i>	17.50	
31 62 13 23-0018	VLF	14" Diameter, 2-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	62.78	
		<i>For Piles Driven In Water, Add</i>	19.19	
31 62 13 23-0019	VLF	16" Diameter, 3" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	74.38	
		<i>For Piles Driven In Water, Add</i>	21.16	
31 62 13 23-0020	VLF	18" Diameter, 3-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	84.15	
		<i>For Piles Driven In Water, Add</i>	23.05	
31 62 13 23-0021	VLF	20" Diameter, 4" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	105.76	
		<i>For Piles Driven In Water, Add</i>	26.26	
31 62 13 23-0022	VLF	24" Diameter, 5" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	130.71	
		<i>For Piles Driven In Water, Add</i>	29.96	
<b>31 62 16 Steel Piles (31 62)</b>				
<b>31 62 16 16 Steel H Piles (31 62 16)</b>				
<b>31 62 16 16-0001 Rolled, Driven Steel H Piles (31 62 16 16)</b>				
31 62 16 16-0002	VLF	8" x 8" x 36 LB/FT, Rolled, Driven Steel H Pile.....	33.70	
		<i>For Piles Driven In Water, Add</i>	17.10	
31 62 16 16-0003	VLF	10" x 10" x 42 LB/FT, Rolled, Driven Steel H Pile.....	37.54	
		<i>For Piles Driven In Water, Add</i>	18.16	
31 62 16 16-0004	VLF	10" x 10" x 57 LB/FT, Rolled, Driven Steel H Pile.....	45.22	
		<i>For Piles Driven In Water, Add</i>	18.93	
31 62 16 16-0005	VLF	12" x 12" x 53 LB/FT, Rolled, Driven Steel H Pile.....	43.64	
		<i>For Piles Driven In Water, Add</i>	19.20	
31 62 16 16-0006	VLF	12" x 12" x 63 LB/FT, Rolled, Driven Steel H Pile.....	48.77	
		<i>For Piles Driven In Water, Add</i>	19.71	
31 62 16 16-0007	VLF	12" x 12" x 74 LB/FT, Rolled, Driven Steel H Pile.....	55.78	
		<i>For Piles Driven In Water, Add</i>	21.64	
31 62 16 16-0008	VLF	12" x 12" x 84 LB/FT, Rolled, Driven Steel H Pile.....	60.90	
		<i>For Piles Driven In Water, Add</i>	22.16	
31 62 16 16-0009	VLF	14" x 14" x 73 LB/FT, Rolled, Driven Steel H Pile.....	55.71	
		<i>For Piles Driven In Water, Add</i>	22.04	
31 62 16 16-0010	VLF	14" x 14" x 89 LB/FT, Rolled, Driven Steel H Pile.....	64.43	
		<i>For Piles Driven In Water, Add</i>	22.91	
31 62 16 16-0011	VLF	14" x 14" x 102 LB/FT, Rolled, Driven Steel H Pile.....	72.10	
		<i>For Piles Driven In Water, Add</i>	25.05	
31 62 16 16-0012	VLF	14" x 14" x 117 LB/FT, Rolled, Driven Steel H Pile.....	80.30	
		<i>For Piles Driven In Water, Add</i>	25.87	
31 62 16 16-0013		<b>Splices, Caps, And Points For H-Piles (31 62 16 16)</b>		
<b>31 62 16 16-0014 Rolled Steel H Pile Splices (31 62 16 16-0013)</b>				
31 62 16 16-0015	EA	8" Rolled Steel H Pile Splice.....	298.21	
31 62 16 16-0016	EA	10" Rolled Steel H Pile Splice.....	334.61	
31 62 16 16-0017	EA	12" Rolled Steel H Pile Splice.....	458.46	
31 62 16 16-0018	EA	14" Rolled Steel H Pile Splice.....	476.66	
<b>31 62 16 16-0019 Rolled Steel H Driving Caps (31 62 16 16-0013)</b>				
31 62 16 16-0020	EA	8" Rolled Steel H Driving Cap.....	3,024.96	
31 62 16 16-0021	EA	10" Rolled Steel H Driving Cap.....	3,024.96	
31 62 16 16-0022	EA	12" Rolled Steel H Driving Cap.....	3,080.42	
31 62 16 16-0023	EA	14" Rolled Steel H Driving Cap.....	4,627.57	
<b>31 62 16 16-0024 Rolled Steel H Standard Pile Points (31 62 16 16-0013)</b>				
31 62 16 16-0025	EA	8" Rolled Steel H Standard Pile Point.....	316.41	
31 62 16 16-0026	EA	10" Rolled Steel H Standard Pile Point.....	334.61	
31 62 16 16-0027	EA	12" Rolled Steel H Standard Pile Point.....	458.46	
31 62 16 16-0028	EA	14" Rolled Steel H Standard Pile Point.....	513.07	
31 62 16 16-0029	EA	10" Rolled Steel H Standard Pile Point.....	458.46	
31 62 16 16-0030	EA	14" Rolled Steel H Standard Pile Point.....	548.32	
<b>31 62 16 19 Unfilled Tubular Steel Piles (31 62 16)</b>				
<b>31 62 16 19-0001 Unfilled Tubular Driven Steel Piles (31 62 16 19)</b>				
31 62 16 19-0002	VLF	8" Diameter x 29 LB/FT, Unfilled Tubular Driven Steel Pile.....	53.47	
		<i>For Piles Driven In Water, Add</i>	22.92	
31 62 16 19-0003	VLF	8" Diameter x 36 LB/FT, Unfilled Tubular Driven Steel Pile.....	61.95	
		<i>For Piles Driven In Water, Add</i>	23.77	
31 62 16 19-0004	VLF	8" Diameter x 43 LB/FT, Unfilled Tubular Driven Steel Pile.....	71.12	
		<i>For Piles Driven In Water, Add</i>	24.69	
31 62 16 19-0005	VLF	10" Diameter x 34 LB/FT, Unfilled Tubular Driven Steel Pile.....	61.95	
		<i>For Piles Driven In Water, Add</i>	23.77	
31 62 16 19-0006	VLF	10" Diameter x 41 LB/FT, Unfilled Tubular Driven Steel Pile.....	70.02	
		<i>For Piles Driven In Water, Add</i>	24.58	
31 62 16 19-0007	VLF	10" Diameter x 55 LB/FT, Unfilled Tubular Driven Steel Pile.....	87.83	
		<i>For Piles Driven In Water, Add</i>	26.36	



<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Special Foundations and Load-bearing Elements</b>	<b>31 60</b>	
<b>Driven Piles</b>	<b>31 62</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 19-0008 VLF 12" Diameter x 42 LB/FT, Unfilled Tubular Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	72.97 25.79	
31 62 16 19-0009 VLF 12" Diameter x 50 LB/FT, Unfilled Tubular Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	82.40 26.74	
31 62 16 19-0010 VLF 12" Diameter x 54 LB/FT, Unfilled Tubular Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	87.65 27.26	
31 62 16 19-0011 VLF 12" Diameter x 65 LB/FT, Unfilled Tubular Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	102.32 28.73	
31 62 16 19-0012 VLF 14" Diameter x 46 LB/FT, Unfilled Tubular Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	78.89 28.32	
31 62 16 19-0013 VLF 14" Diameter x 55 LB/FT, Unfilled Tubular Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	89.57 29.39	
31 62 16 19-0014 VLF 14" Diameter x 64 LB/FT, Unfilled Tubular Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	100.24 30.45	
31 62 16 19-0015 VLF 14" Diameter x 72 LB/FT, Unfilled Tubular Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	110.92 31.52	
31 62 16 19-0016 VLF 16" Diameter x 52 LB/FT, Unfilled Tubular Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	87.76 31.59	
31 62 16 19-0017 VLF 16" Diameter x 63 LB/FT, Unfilled Tubular Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	100.24 32.84	
31 62 16 19-0018 VLF 16" Diameter x 83 LB/FT, Unfilled Tubular Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	124.58 35.27	
31 62 16 19-0019 VLF 18" Diameter x 59 LB/FT, Unfilled Tubular Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	108.58 35.61	
31 62 16 19-0020 VLF 18" Diameter x 71 LB/FT, Unfilled Tubular Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	124.79 37.23	
31 62 16 19-0021 VLF 18" Diameter x 93 LB/FT, Unfilled Tubular Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	155.60 40.31	
<b>31 62 16 19-0022 Splices And Points For Pipe Piles (31 62 16 19)</b>		
<b>31 62 16 19-0023 Steel Pipe Pile Splices (31 62 16 19-0022)</b>		
31 62 16 19-0024 EA 8" Diameter, Steel Pipe Pile Splice.....	295.52	
31 62 16 19-0025 EA 10" Diameter, Steel Pipe Pile Splice.....	321.25	
31 62 16 19-0026 EA 12" Diameter, Steel Pipe Pile Splice.....	414.22	
31 62 16 19-0027 EA 14" Diameter, Steel Pipe Pile Splice.....	439.60	
31 62 16 19-0028 EA 16" Diameter, Steel Pipe Pile Splice.....	536.43	
31 62 16 19-0029 EA 18" Diameter, Steel Pipe Pile Splice.....	652.72	
<b>31 62 16 19-0030 Steel Pipe Standard Pile Points (31 62 16 19-0022)</b>		
31 62 16 19-0031 EA 8" Diameter, Steel Pipe Standard Pile Point.....	286.16	
31 62 16 19-0032 EA 10" Diameter, Steel Pipe Standard Pile Point.....	306.78	
31 62 16 19-0033 EA 12" Diameter, Steel Pipe Standard Pile Point.....	349.07	
31 62 16 19-0034 EA 14" Diameter, Steel Pipe Standard Pile Point.....	405.75	
31 62 16 19-0035 EA 16" Diameter, Steel Pipe Standard Pile Point.....	457.27	
31 62 16 19-0036 EA 18" Diameter, Steel Pipe Standard Pile Point.....	526.07	
<b>31 62 16 19-0037 Steel Pipe Heavy Duty Pile Points (31 62 16 19-0022)</b>		
31 62 16 19-0038 EA 10" Diameter, Steel Pipe Heavy Duty Pile Point.....	414.64	
31 62 16 19-0039 EA 12" Diameter, Steel Pipe Heavy Duty Pile Point.....	440.40	
31 62 16 19-0040 EA 14" Diameter, Steel Pipe Heavy Duty Pile Point.....	496.31	
31 62 16 19-0041 EA 16" Diameter, Steel Pipe Heavy Duty Pile Point.....	599.37	
31 62 16 19-0042 EA 18" Diameter, Steel Pipe Heavy Duty Pile Point.....	684.89	
<b>31 62 19 Timber Piles (31 62)</b>		
<b>31 62 19 00-0001 Friction Or End Bearing, Driven Treated Wood Piles (31 62 19)</b>		
Note: 12 LB Penta-treated/CF.		
31 62 19 00-0002 LF Up To 30', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile..... <i>For Piles Driven In Water, Add</i> <i>For Untreated Pile, Deduct</i> <i>For Each Pile Tip Point, Add</i> <i>For Each Pile Butt, Driving Cap, Add</i> <i>For Each Splice For Pile &gt;50', Add</i>	34.14 15.62 -7.61 12.50 20.10 139.40	
31 62 19 00-0003 LF >30' To 39', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile..... <i>For Piles Driven In Water, Add</i> <i>For Untreated Pile, Deduct</i> <i>For Each Pile Tip Point, Add</i> <i>For Each Pile Butt, Driving Cap, Add</i> <i>For Each Splice For Pile &gt;50', Add</i>	36.06 17.33 -7.70 12.50 20.10 139.40	
31 62 19 00-0004 LF 39' To 49', 12" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile..... <i>For Piles Driven In Water, Add</i> <i>For Untreated Pile, Deduct</i> <i>For Each Pile Tip Point, Add</i> <i>For Each Pile Butt, Driving Cap, Add</i> <i>For Each Splice For Pile &gt;50', Add</i>	38.02 18.44 -8.05 12.50 20.10 139.40	

<b>31</b>	<b>31 Earthwork</b>
	<b>31 60 Special Foundations and Load-bearing Elements</b>
	<b>31 62 Driven Piles</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 19 00-0005	LF	>49'	To 59', 13" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile .....	41.03	
			<i>For Piles Driven In Water, Add</i>	20.57	
			<i>For Untreated Pile, Deduct</i>	-8.41	
			<i>For Each Pile Tip Point, Add</i>	12.50	
			<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
			<i>For Each Splice For Pile &gt;50', Add</i>	139.40	
31 62 19 00-0006	LF	>59'	To 69', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile .....	50.75	
			<i>For Piles Driven In Water, Add</i>	23.37	
			<i>For Untreated Pile, Deduct</i>	-11.26	
			<i>For Each Pile Tip Point, Add</i>	12.50	
			<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
			<i>For Each Splice For Pile &gt;50', Add</i>	139.40	
31 62 19 00-0007	LF	>69'	To 79', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile .....	63.30	
			<i>For Piles Driven In Water, Add</i>	28.29	
			<i>For Untreated Pile, Deduct</i>	-14.39	
			<i>For Each Pile Tip Point, Add</i>	12.50	
			<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
			<i>For Each Splice For Pile &gt;50', Add</i>	139.40	

**31 62 23 Composite Piles (31 62)**

**31 62 23 13 Concrete-Filled Steel Piles (31 62 23)**

**31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles (31 62 23 13)**

Note: Includes 4,000 PSI concrete grout. Excludes reinforcing.

31 62 23 13-0002	VLF	8"	Diameter x 29 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	57.26	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	6.43	
			<i>For Piles Driven In Water, Add</i>	24.82	
31 62 23 13-0003	VLF	8"	Diameter x 36 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	65.74	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	7.28	
			<i>For Piles Driven In Water, Add</i>	25.67	
31 62 23 13-0004	VLF	8"	Diameter x 43 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	74.91	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	8.20	
			<i>For Piles Driven In Water, Add</i>	26.59	
31 62 23 13-0005	VLF	10"	Diameter x 34 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	67.46	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	8.99	
			<i>For Piles Driven In Water, Add</i>	26.27	
31 62 23 13-0006	VLF	10"	Diameter x 41 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	75.52	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	9.79	
			<i>For Piles Driven In Water, Add</i>	27.07	
31 62 23 13-0007	VLF	10"	Diameter x 55 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	93.34	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	11.58	
			<i>For Piles Driven In Water, Add</i>	28.86	
31 62 23 13-0008	VLF	12"	Diameter x 42 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	80.70	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	12.08	
			<i>For Piles Driven In Water, Add</i>	29.23	
31 62 23 13-0009	VLF	12"	Diameter x 50 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	90.14	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	13.02	
			<i>For Piles Driven In Water, Add</i>	30.17	
31 62 23 13-0010	VLF	12"	Diameter x 54 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	95.38	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	13.55	
			<i>For Piles Driven In Water, Add</i>	30.70	
31 62 23 13-0011	VLF	12"	Diameter x 65 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	110.06	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	15.02	
			<i>For Piles Driven In Water, Add</i>	32.17	
31 62 23 13-0012	VLF	14"	Diameter x 46 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	89.38	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	14.83	
			<i>For Piles Driven In Water, Add</i>	33.69	
31 62 23 13-0013	VLF	14"	Diameter x 55 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	100.06	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	15.90	
			<i>For Piles Driven In Water, Add</i>	34.76	
31 62 23 13-0014	VLF	14"	Diameter x 64 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	110.73	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	16.96	
			<i>For Piles Driven In Water, Add</i>	35.82	
31 62 23 13-0015	VLF	14"	Diameter x 72 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	121.41	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	18.03	
			<i>For Piles Driven In Water, Add</i>	36.89	
31 62 23 13-0016	VLF	16"	Diameter x 52 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	99.06	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	18.28	
			<i>For Piles Driven In Water, Add</i>	36.12	
31 62 23 13-0017	VLF	16"	Diameter x 63 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	111.54	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	19.53	
			<i>For Piles Driven In Water, Add</i>	37.37	
31 62 23 13-0018	VLF	16"	Diameter x 83 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	135.88	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	21.97	
			<i>For Piles Driven In Water, Add</i>	39.81	
31 62 23 13-0019	VLF	18"	Diameter x 59 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	122.16	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	23.39	
			<i>For Piles Driven In Water, Add</i>	40.55	
31 62 23 13-0020	VLF	18"	Diameter x 71 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	138.38	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	25.01	
			<i>For Piles Driven In Water, Add</i>	42.17	
31 62 23 13-0021	VLF	18"	Diameter x 93 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	169.19	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	28.09	
			<i>For Piles Driven In Water, Add</i>	45.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>31 62 23 13-0022</b> <b>7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles</b> <small>(31 62 23 13)</small>		
<i>Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.</i>		
31 62 23 13-0023     VLF 12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	74.69	
<i>For Piles Driven In Water, Add</i>		
	22.10	
31 62 23 13-0024     VLF 14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	90.81	
<i>For Piles Driven In Water, Add</i>		
	24.77	
31 62 23 13-0025     VLF 16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	102.86	
<i>For Piles Driven In Water, Add</i>		
	27.18	
31 62 23 13-0026     VLF 18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	111.89	
<i>For Piles Driven In Water, Add</i>		
	29.49	
<b>31 62 23 13-0027</b> <b>Tapered Friction Concrete-Filled Driven Steel Piles</b> <small>(31 62 23 13)</small>		
<i>Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.</i>		
31 62 23 13-0028     VLF 12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....	73.25	
<i>For Piles Driven In Water, Add</i>		
	21.96	
31 62 23 13-0029     VLF 14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....	75.14	
<i>For Piles Driven In Water, Add</i>		
	23.20	
31 62 23 13-0030     VLF 16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....	91.88	
<i>For Piles Driven In Water, Add</i>		
	26.08	
31 62 23 13-0031     VLF 18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....	106.09	
<i>For Piles Driven In Water, Add</i>		
	28.91	
<b>31 62 23 13-0032</b> <b>Thin Wall Shell Straight Sided Driven Steel Piles</b> <small>(31 62 23 13)</small>		
31 62 23 13-0033     VLF 8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	43.76	
<i>For Piles Driven In Water, Add</i>		
	16.73	
<i>For Thick Wall Shell, Add</i>		
	0.08	
31 62 23 13-0034     VLF 10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	48.29	
<i>For Piles Driven In Water, Add</i>		
	18.55	
<i>For Thick Wall Shell, Add</i>		
	0.08	
31 62 23 13-0035     VLF 12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	52.78	
<i>For Piles Driven In Water, Add</i>		
	20.37	
<i>For Thick Wall Shell, Add</i>		
	0.09	
31 62 23 13-0036     VLF 14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	57.33	
<i>For Piles Driven In Water, Add</i>		
	22.20	
<i>For Thick Wall Shell, Add</i>		
	0.10	
31 62 23 13-0037     VLF 16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	61.88	
<i>For Piles Driven In Water, Add</i>		
	24.04	
<i>For Thick Wall Shell, Add</i>		
	0.11	
<b>31 63 Bored Piles</b> <small>(31 63)</small>		
<b>31 63 36 Drilled Steel Piles</b> <small>(31 63)</small>		
<b>31 63 36 00-0001</b> <b>Drill Hole</b> <small>(31 63 36)</small>		
<i>Note: Excludes removal of excess material.</i>		
<b>31 63 36 00-0002</b> <b>Drilling Mobilization</b> <small>(31 63 36 00-0001)</small>		
31 63 36 00-0003     EA >12" To 24" Diameter Hole, Drilling Mobilization .....	910.91	
31 63 36 00-0004     EA >24" Diameter Hole, Drilling Mobilization.....	1,214.55	
<b>31 63 36 00-0005</b> <b>Drill Hole In Soil</b> <small>(31 63 36 00-0001)</small>		
31 63 36 00-0006     LF 18" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	49.49	
31 63 36 00-0007     LF 20" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	57.55	
31 63 36 00-0008     LF 22" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	67.62	
31 63 36 00-0009     LF 24" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	79.70	
31 63 36 00-0010     LF 26" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	86.15	
31 63 36 00-0011     LF 28" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	94.78	
31 63 36 00-0012     LF 30" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	103.82	
<b>31 63 36 00-0013</b> <b>Steel H Piles</b> <small>(31 63 36)</small>		
<b>31 63 36 00-0014</b> <b>Placed In Drilled Hole, Rolled Steel H-Section Piles</b> <small>(31 63 36 00-0013)</small>		
<i>Note: Includes guides, bracing and alignment.</i>		
31 63 36 00-0015     VLF 8" x 8" x 36 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	30.70	
<i>For &gt;2,400 To 3,600, Deduct</i>		
	-1.07	
<i>For &gt;3,600 To 4,800, Deduct</i>		
	-2.15	
<i>For &gt;4,800 To 6,000, Deduct</i>		
	-3.68	
<i>For &gt;6,000, Deduct</i>		
	-5.22	
31 63 36 00-0016     VLF 10" x 10" x 42 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	34.40	
<i>For &gt;2,400 To 3,600, Deduct</i>		
	-1.18	
<i>For &gt;3,600 To 4,800, Deduct</i>		
	-2.36	
<i>For &gt;4,800 To 6,000, Deduct</i>		
	-4.08	
<i>For &gt;6,000, Deduct</i>		
	-5.80	

**31 Earthwork****31 60 Special Foundations and Load-bearing Elements****31 63 Bored Piles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0017 VLF 10" x 10" x 57 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile .....	42.08	
For >2,400 To 3,600, Deduct	-1.37	
For >3,600 To 4,800, Deduct	-2.75	
For >4,800 To 6,000, Deduct	-4.85	
For >6,000, Deduct	-6.96	
31 63 36 00-0018 VLF 12" x 12" x 53 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile .....	40.41	
For >2,400 To 3,600, Deduct	-1.34	
For >3,600 To 4,800, Deduct	-2.68	
For >4,800 To 6,000, Deduct	-4.70	
For >6,000, Deduct	-6.72	
31 63 36 00-0019 VLF 12" x 12" x 63 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile .....	45.54	
For >2,400 To 3,600, Deduct	-1.47	
For >3,600 To 4,800, Deduct	-2.94	
For >4,800 To 6,000, Deduct	-5.22	
For >6,000, Deduct	-7.49	
31 63 36 00-0020 VLF 12" x 12" x 74 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile .....	52.29	
For >2,400 To 3,600, Deduct	-1.67	
For >3,600 To 4,800, Deduct	-3.33	
For >4,800 To 6,000, Deduct	-5.95	
For >6,000, Deduct	-8.56	
31 63 36 00-0021 VLF 12" x 12" x 84 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile .....	57.41	
For >2,400 To 3,600, Deduct	-1.79	
For >3,600 To 4,800, Deduct	-3.59	
For >4,800 To 6,000, Deduct	-6.46	
For >6,000, Deduct	-9.33	
31 63 36 00-0022 VLF 14" x 14" x 73 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile .....	52.12	
For >2,400 To 3,600, Deduct	-1.67	
For >3,600 To 4,800, Deduct	-3.34	
For >4,800 To 6,000, Deduct	-5.95	
For >6,000, Deduct	-8.55	
31 63 36 00-0023 VLF 14" x 14" x 89 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile .....	60.84	
For >2,400 To 3,600, Deduct	-1.89	
For >3,600 To 4,800, Deduct	-3.78	
For >4,800 To 6,000, Deduct	-6.82	
For >6,000, Deduct	-9.86	
31 63 36 00-0024 VLF 14" x 14" x 102 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile .....	68.22	
For >2,400 To 3,600, Deduct	-2.10	
For >3,600 To 4,800, Deduct	-4.21	
For >4,800 To 6,000, Deduct	-7.62	
For >6,000, Deduct	-11.03	
31 63 36 00-0025 VLF 14" x 14" x 117 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile .....	76.42	
For >2,400 To 3,600, Deduct	-2.31	
For >3,600 To 4,800, Deduct	-4.62	
For >4,800 To 6,000, Deduct	-8.44	
For >6,000, Deduct	-12.26	
<b>31 63 36 00-0026 Welded Steel Stud Pins</b> <small>(31 63 36 00-0013)</small>		
Note: Includes welding to steel piles.		
31 63 36 00-0027 EA 5/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins .....	12.70	
For >50 To 150, Deduct	-0.58	
For >150 To 250, Deduct	-1.18	
For >250 To 500, Deduct	-1.79	
For >500, Deduct	-2.39	
31 63 36 00-0028 EA 5/8" Diameter x 5" Long, Welded Steel Stud Pins.....	13.93	
For >50 To 150, Deduct	-0.58	
For >150 To 250, Deduct	-1.21	
For >250 To 500, Deduct	-1.85	
For >500, Deduct	-2.48	
31 63 36 00-0029 EA 5/8" Diameter x 7" Long, Welded Steel Stud Pins.....	15.11	
For >50 To 150, Deduct	-0.58	
For >150 To 250, Deduct	-1.24	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.57	
31 63 36 00-0030 EA 3/4" Diameter x 2-1/2" Long, Welded Steel Stud Pins .....	14.02	
For >50 To 150, Deduct	-0.60	
For >150 To 250, Deduct	-1.26	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.56	
31 63 36 00-0031 EA 3/4" Diameter x 5" Long, Welded Steel Stud Pins.....	15.87	
For >50 To 150, Deduct	-0.60	
For >150 To 250, Deduct	-1.30	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.70	
31 63 36 00-0032 EA 3/4" Diameter x 7" Long, Welded Steel Stud Pins.....	17.16	
For >50 To 150, Deduct	-0.60	
For >150 To 250, Deduct	-1.34	
For >250 To 500, Deduct	-2.07	
For >500, Deduct	-2.80	
31 63 36 00-0033 EA 7/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins .....	15.60	
For >50 To 150, Deduct	-0.63	
For >150 To 250, Deduct	-1.33	
For >250 To 500, Deduct	-2.04	
For >500, Deduct	-2.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0034 EA 7/8" Diameter x 5" Long, Welded Steel Stud Pins .....	18.62	
For >50 To 150, Deduct	-0.63	
For >150 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-2.19	
For >500, Deduct	-2.97	
31 63 36 00-0035 EA 7/8" Diameter x 7" Long, Welded Steel Stud Pins .....	20.10	
For >50 To 150, Deduct	-0.63	
For >150 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-3.08	
<b>31 63 36 00-0036 Concrete Fill</b> <small>(31 63 36)</small>		
See CSI section 03 37 16 00-0001 for pumping equipment.		
31 63 36 00-0037 VLF 18" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	42.09	
31 63 36 00-0038 VLF 20" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	46.75	
31 63 36 00-0039 VLF 22" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	51.44	
31 63 36 00-0040 VLF 24" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	56.11	
31 63 36 00-0041 VLF 26" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	60.78	
31 63 36 00-0042 VLF 28" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	65.46	
31 63 36 00-0043 VLF 30" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	76.47	
<b>31 64 Caissons</b> <small>(31 64)</small>		
<b>31 64 13 Box Caissons</b> <small>(31 64)</small>		
31 64 13 00-0001 Caisson In Stable Ground No Casing Or Ground Water <small>(31 64 13)</small>		
Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0002 Caisson In Stable Ground <small>(31 64 13 00-0001)</small>		
Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0003 VLF 18" Diameter Caisson, No Casing Stable Ground, No Ground Water .....	54.70	
Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
For >50' To 100' Deep, Add	5.33	
For >100' To 150' Deep, Add	13.68	
For >150' To 200' Deep, Add	18.29	
For Right Angle Drilling, Add	14.44	
31 64 13 00-0004 VLF 24" Diameter Caisson, No Casing Stable Ground, No Ground Water .....	68.85	
Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
For >50' To 100' Deep, Add	7.34	
For >100' To 150' Deep, Add	17.21	
For >150' To 200' Deep, Add	23.81	
For Right Angle Drilling, Add	16.21	
31 64 13 00-0005 VLF 30" Diameter Caisson, No Casing Stable Ground, No Ground Water .....	97.44	
Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
For >50' To 100' Deep, Add	10.84	
For >100' To 150' Deep, Add	24.36	
For >150' To 200' Deep, Add	34.26	
For Right Angle Drilling, Add	21.53	
31 64 13 00-0006 VLF 36" Diameter Caisson, No Casing Stable Ground, No Ground Water .....	128.95	
Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
For >50' To 100' Deep, Add	14.81	
For >100' To 150' Deep, Add	32.24	
For >150' To 200' Deep, Add	45.92	
For Right Angle Drilling, Add	27.06	
31 64 13 00-0007 VLF 42" Diameter Caisson, No Casing Stable Ground, No Ground Water .....	165.16	
Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
For >50' To 100' Deep, Add	19.65	
For >100' To 150' Deep, Add	41.29	
For >150' To 200' Deep, Add	59.66	
For Right Angle Drilling, Add	32.54	
31 64 13 00-0008 VLF 48" Diameter Caisson No Casing Stable Ground, No Ground Water .....	198.85	
Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
For >50' To 100' Deep, Add	24.09	
For >100' To 150' Deep, Add	49.71	
For >150' To 200' Deep, Add	72.36	
For Right Angle Drilling, Add	37.83	
31 64 13 00-0009 VLF 54" Diameter Caisson No Casing Stable Ground, No Ground Water .....	239.93	
Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
For >50' To 100' Deep, Add	29.93	
For >100' To 150' Deep, Add	59.98	
For >150' To 200' Deep, Add	88.40	
For Right Angle Drilling, Add	42.93	
31 64 13 00-0010 VLF 60" Diameter Caisson No Casing Stable Ground, No Ground Water .....	281.85	
Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
For >50' To 100' Deep, Add	35.90	
For >100' To 150' Deep, Add	70.46	
For >150' To 200' Deep, Add	104.77	
For Right Angle Drilling, Add	48.12	
31 64 13 00-0011 VLF 66" Diameter Caisson No Casing Stable Ground, No Ground Water .....	329.28	
Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.		
For >50' To 100' Deep, Add	42.61	
For >100' To 150' Deep, Add	82.32	
For >150' To 200' Deep, Add	123.24	
For Right Angle Drilling, Add	54.11	

**31 Earthwork****31 60 Special Foundations and Load-bearing Elements****31 64 Caissons**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0012	VLF		72" Diameter Caisson No Casing Stable Ground, No Ground Water .....383.62 Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
			For >50' To 100' Deep, Add	50.37	
			For >100' To 150' Deep, Add	95.91	
			For >150' To 200' Deep, Add	144.48	
			For Right Angle Drilling, Add	60.79	
31 64 13 00-0013	VLF		78" Diameter Caisson No Casing Stable Ground, No Ground Water .....437.87 Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
			For >50' To 100' Deep, Add	58.25	
			For >100' To 150' Deep, Add	109.47	
			For >150' To 200' Deep, Add	165.86	
			For Right Angle Drilling, Add	67.02	
31 64 13 00-0014	VLF		84" Diameter Caisson No Casing Stable Ground, No Ground Water .....495.75 Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
			For >50' To 100' Deep, Add	66.71	
			For >100' To 150' Deep, Add	123.94	
			For >150' To 200' Deep, Add	188.73	
			For Right Angle Drilling, Add	73.50	
<b>31 64 13 00-0015</b>			<b>For Bell Excavation And Concrete, Add</b> <small>(31 64 13 00-0001)</small>		
31 64 13 00-0016	EA		Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY .....419.91		
			For >50' To 100' Deep, Add	34.28	
			For >100' To 150' Deep, Add	104.98	
			For >150' To 200' Deep, Add	132.08	
31 64 13 00-0017	EA		Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY .....1,476.25		
			For >50' To 100' Deep, Add	120.71	
			For >100' To 150' Deep, Add	369.06	
			For >150' To 200' Deep, Add	464.59	
31 64 13 00-0018	EA		Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY .....2,233.84		
			For >50' To 100' Deep, Add	185.59	
			For >100' To 150' Deep, Add	558.46	
			For >150' To 200' Deep, Add	706.68	
31 64 13 00-0019	EA		Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY .....3,100.97		
			For >50' To 100' Deep, Add	258.15	
			For >100' To 150' Deep, Add	775.24	
			For >150' To 200' Deep, Add	981.64	
31 64 13 00-0020	EA		Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY .....4,205.92		
			For >50' To 100' Deep, Add	343.82	
			For >100' To 150' Deep, Add	1,051.48	
			For >150' To 200' Deep, Add	1,323.53	
31 64 13 00-0021	EA		Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY .....4,945.48		
			For >50' To 100' Deep, Add	404.09	
			For >100' To 150' Deep, Add	1,236.37	
			For >150' To 200' Deep, Add	1,556.03	
31 64 13 00-0022	EA		Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY .....8,386.97		
			For >50' To 100' Deep, Add	683.90	
			For >100' To 150' Deep, Add	2,096.74	
			For >150' To 200' Deep, Add	2,637.11	
31 64 13 00-0023	EA		Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY .....12,130.04		
			For >50' To 100' Deep, Add	999.30	
			For >100' To 150' Deep, Add	3,032.51	
			For >150' To 200' Deep, Add	3,826.76	
<b>31 64 13 00-0024</b>			<b>Caisson In Wet Ground, Casing Pulled</b> <small>(31 64 13)</small>		
			Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
<b>31 64 13 00-0025</b>			<b>Caisson In Wet Ground</b> <small>(31 64 13 00-0024)</small>		
			Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0026	VLF		18" Diameter Caisson Wet Ground, Casing Pulled .....60.36 Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
			For >50' To 100' Deep, Add	5.72	
			For >100' To 150' Deep, Add	15.09	
			For >150' To 200' Deep, Add	19.98	
			For Right Angle Drilling, Add	16.45	
31 64 13 00-0027	VLF		24" Diameter Caisson Wet Ground, Casing Pulled .....100.95 Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
			For >50' To 100' Deep, Add	9.59	
			For >100' To 150' Deep, Add	25.24	
			For >150' To 200' Deep, Add	33.44	
			For Right Angle Drilling, Add	27.44	
31 64 13 00-0028	VLF		30" Diameter Caisson Wet Ground, Casing Pulled .....133.55 Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
			For >50' To 100' Deep, Add	13.37	
			For >100' To 150' Deep, Add	33.39	
			For >150' To 200' Deep, Add	45.09	
			For Right Angle Drilling, Add	34.17	
31 64 13 00-0029	VLF		36" Diameter Caisson Wet Ground, Casing Pulled .....183.33 Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
			For >50' To 100' Deep, Add	18.62	
			For >100' To 150' Deep, Add	45.83	
			For >150' To 200' Deep, Add	62.23	
			For Right Angle Drilling, Add	46.09	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0030 VLF 42" Diameter Caisson Wet Ground, Casing Pulled.....	232.29	
Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
For >50' To 100' Deep, Add	24.35	
For >100' To 150' Deep, Add	58.07	
For >150' To 200' Deep, Add	79.80	
For Right Angle Drilling, Add	56.03	
31 64 13 00-0031 VLF 48" Diameter Caisson Wet Ground, Casing Pulled.....	278.48	
Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
For >50' To 100' Deep, Add	29.66	
For >100' To 150' Deep, Add	69.62	
For >150' To 200' Deep, Add	96.25	
For Right Angle Drilling, Add	65.70	
31 64 13 00-0032 VLF 54" Diameter Caisson Wet Ground, Casing Pulled.....	359.35	
Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
For >50' To 100' Deep, Add	38.29	
For >100' To 150' Deep, Add	89.84	
For >150' To 200' Deep, Add	124.22	
For Right Angle Drilling, Add	84.73	
31 64 13 00-0033 VLF 60" Diameter Caisson Wet Ground, Casing Pulled.....	440.02	
Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
For >50' To 100' Deep, Add	46.97	
For >100' To 150' Deep, Add	110.01	
For >150' To 200' Deep, Add	152.22	
For Right Angle Drilling, Add	103.48	
31 64 13 00-0034 VLF 66" Diameter Caisson Wet Ground, Casing Pulled.....	502.29	
Note: 0.87 CY Concrete per VLF, 113 lbs rebar per VLF.		
For >50' To 100' Deep, Add	54.73	
For >100' To 150' Deep, Add	125.57	
For >150' To 200' Deep, Add	175.14	
For Right Angle Drilling, Add	114.66	
31 64 13 00-0035 VLF 72" Diameter Caisson Wet Ground, Casing Pulled.....	571.47	
Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
For >50' To 100' Deep, Add	63.52	
For >100' To 150' Deep, Add	142.87	
For >150' To 200' Deep, Add	200.83	
For Right Angle Drilling, Add	126.54	
31 64 13 00-0036 VLF 78" Diameter Caisson Wet Ground, Casing Pulled.....	650.27	
Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
For >50' To 100' Deep, Add	73.11	
For >100' To 150' Deep, Add	162.57	
For >150' To 200' Deep, Add	229.58	
For Right Angle Drilling, Add	141.36	
31 64 13 00-0037 VLF 84" Diameter Caisson Wet Ground, Casing Pulled.....	733.13	
Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
For >50' To 100' Deep, Add	83.32	
For >100' To 150' Deep, Add	183.28	
For >150' To 200' Deep, Add	259.95	
For Right Angle Drilling, Add	156.58	
<b>31 64 13 00-0038 For Bell Excavation And Concrete, Add</b> <small>(31 64 13 00-0024)</small>		
31 64 13 00-0039 EA Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY.....	481.62	
For >50' To 100' Deep, Add	38.60	
For >100' To 150' Deep, Add	120.41	
For >150' To 200' Deep, Add	150.59	
31 64 13 00-0040 EA Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY.....	1,677.99	
For >50' To 100' Deep, Add	134.83	
For >100' To 150' Deep, Add	419.50	
For >150' To 200' Deep, Add	525.11	
31 64 13 00-0041 EA Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY.....	2,301.69	
For >50' To 100' Deep, Add	172.25	
For >100' To 150' Deep, Add	575.42	
For >150' To 200' Deep, Add	704.42	
31 64 13 00-0042 EA Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY.....	3,687.45	
For >50' To 100' Deep, Add	299.20	
For >100' To 150' Deep, Add	921.86	
For >150' To 200' Deep, Add	1,157.58	
31 64 13 00-0043 EA Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY.....	4,780.89	
For >50' To 100' Deep, Add	384.06	
For >100' To 150' Deep, Add	1,195.22	
For >150' To 200' Deep, Add	1,496.02	
31 64 13 00-0044 EA Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY.....	5,621.91	
For >50' To 100' Deep, Add	451.44	
For >100' To 150' Deep, Add	1,405.48	
For >150' To 200' Deep, Add	1,758.96	
31 64 13 00-0045 EA Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY.....	9,536.90	
For >50' To 100' Deep, Add	764.40	
For >100' To 150' Deep, Add	2,384.23	
For >150' To 200' Deep, Add	2,982.09	
31 64 13 00-0046 EA Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY.....	13,772.80	
For >50' To 100' Deep, Add	1,114.30	
For >100' To 150' Deep, Add	3,443.20	
For >150' To 200' Deep, Add	4,319.59	

**31 Earthwork****31 60 Special Foundations and Load-bearing Elements****31 64 Caissons**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>31 64 13 00-0047 Caisson In Soft Rock And Medium Hard Shale</b> <sup>(31 64 13)</sup> Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
<b>31 64 13 00-0048 Caisson In Soft Rock</b> <sup>(31 64 13 00-0047)</sup> Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0049 VLF 18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....233.00 Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
For >50' To 100' Deep, Add	17.81	
For >100' To 150' Deep, Add	58.25	
For >150' To 200' Deep, Add	71.77	
For Right Angle Drilling, Add	76.87	
31 64 13 00-0050 VLF 24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....388.74 Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
For >50' To 100' Deep, Add	29.74	
For >100' To 150' Deep, Add	97.19	
For >150' To 200' Deep, Add	119.78	
For Right Angle Drilling, Add	128.17	
31 64 13 00-0051 VLF 30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....585.98 Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
For >50' To 100' Deep, Add	45.04	
For >100' To 150' Deep, Add	146.50	
For >150' To 200' Deep, Add	180.82	
For Right Angle Drilling, Add	192.52	
31 64 13 00-0052 VLF 36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....748.96 Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
For >50' To 100' Deep, Add	58.21	
For >100' To 150' Deep, Add	187.24	
For >150' To 200' Deep, Add	231.92	
For Right Angle Drilling, Add	244.06	
31 64 13 00-0053 VLF 42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....959.77 Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
For >50' To 100' Deep, Add	75.27	
For >100' To 150' Deep, Add	239.94	
For >150' To 200' Deep, Add	298.04	
For Right Angle Drilling, Add	310.65	
31 64 13 00-0054 VLF 48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....1,157.51 Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
For >50' To 100' Deep, Add	91.19	
For >100' To 150' Deep, Add	289.38	
For >150' To 200' Deep, Add	359.96	
For Right Angle Drilling, Add	373.36	
31 64 13 00-0055 VLF 54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....1,415.80 Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
For >50' To 100' Deep, Add	112.24	
For >100' To 150' Deep, Add	353.95	
For >150' To 200' Deep, Add	441.16	
For Right Angle Drilling, Add	454.48	
31 64 13 00-0056 VLF 60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....1,674.12 Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
For >50' To 100' Deep, Add	133.36	
For >100' To 150' Deep, Add	418.53	
For >150' To 200' Deep, Add	522.45	
For Right Angle Drilling, Add	535.41	
31 64 13 00-0057 VLF 66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....1,839.65 Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.		
For >50' To 100' Deep, Add	148.34	
For >100' To 150' Deep, Add	459.91	
For >150' To 200' Deep, Add	576.35	
For Right Angle Drilling, Add	582.74	
31 64 13 00-0058 VLF 72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....2,011.29 Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
For >50' To 100' Deep, Add	164.30	
For >100' To 150' Deep, Add	502.82	
For >150' To 200' Deep, Add	632.78	
For Right Angle Drilling, Add	630.47	
31 64 13 00-0059 VLF 78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....2,062.33 Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
For >50' To 100' Deep, Add	171.96	
For >100' To 150' Deep, Add	515.58	
For >150' To 200' Deep, Add	653.19	
For Right Angle Drilling, Add	635.58	
31 64 13 00-0060 VLF 84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....2,462.23 Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
For >50' To 100' Deep, Add	204.36	
For >100' To 150' Deep, Add	615.56	
For >150' To 200' Deep, Add	778.68	
For Right Angle Drilling, Add	761.77	
<b>31 64 13 00-0061 For Bell Excavation And Concrete, Add</b> <sup>(31 64 13 00-0047)</sup>		
31 64 13 00-0062 EA Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY .....824.99		
For >50' To 100' Deep, Add	62.63	
For >100' To 150' Deep, Add	206.25	
For >150' To 200' Deep, Add	253.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0063 EA Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY .....	2,903.20	
<i>For &gt;50' To 100' Deep, Add</i>	220.60	
<i>For &gt;100' To 150' Deep, Add</i>	725.80	
<i>For &gt;150' To 200' Deep, Add</i>	892.68	
31 64 13 00-0064 EA Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY .....	4,351.60	
<i>For &gt;50' To 100' Deep, Add</i>	333.84	
<i>For &gt;100' To 150' Deep, Add</i>	1,087.90	
<i>For &gt;150' To 200' Deep, Add</i>	1,342.01	
31 64 13 00-0065 EA Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY .....	6,195.49	
<i>For &gt;50' To 100' Deep, Add</i>	474.76	
<i>For &gt;100' To 150' Deep, Add</i>	1,548.87	
<i>For &gt;150' To 200' Deep, Add</i>	1,910.00	
31 64 13 00-0066 EA Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY .....	8,187.27	
<i>For &gt;50' To 100' Deep, Add</i>	622.51	
<i>For &gt;100' To 150' Deep, Add</i>	2,046.82	
<i>For &gt;150' To 200' Deep, Add</i>	2,517.93	
31 64 13 00-0067 EA Bell Excavation And Concrete, 10' Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY .....	9,975.76	
<i>For &gt;50' To 100' Deep, Add</i>	756.21	
<i>For &gt;100' To 150' Deep, Add</i>	2,493.94	
<i>For &gt;150' To 200' Deep, Add</i>	3,065.11	
31 64 13 00-0068 EA Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY .....	15,088.05	
<i>For &gt;50' To 100' Deep, Add</i>	1,152.98	
<i>For &gt;100' To 150' Deep, Add</i>	3,772.01	
<i>For &gt;150' To 200' Deep, Add</i>	4,647.43	
31 64 13 00-0069 EA Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY .....	22,694.28	
<i>For &gt;50' To 100' Deep, Add</i>	1,738.80	
<i>For &gt;100' To 150' Deep, Add</i>	5,673.57	
<i>For &gt;150' To 200' Deep, Add</i>	6,996.03	
<b>31 64 13 00-0070 Caisson Setup And Removal</b> <small>(31 64 13)</small>		
<small>Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.</small>		
31 64 13 00-0071 EA Erect, Set Up, Dismantle And Removal Of Caisson 18" To 36" Diameter, Complete .....	3,867.41	
31 64 13 00-0072 EA Erect, Set Up, Dismantle And Removal Of Caisson 48" To 84" Diameter, Complete .....	5,432.80	
31 64 13 00-0073 EA Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter.....	1,830.11	
31 64 13 00-0074 EA Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter.....	2,440.14	
31 64 13 00-0075 EA Relocate Caisson Equipment To Different Hole On-Site Without Dismantling.....	152.51	

**END OF SECTION 31**

<b>31</b>	<b>31</b>	<b>Earthwork</b>
	<b>31 60</b>	<b>Special Foundations and Load-bearing Elements</b>
	<b>31 64</b>	<b>Caissons</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 32 Exterior Improvements

### 32 01 Operation and Maintenance of Exterior Improvements <sup>(32)</sup>

#### 32 01 11 Paving Cleaning <sup>(32 01)</sup>

#### **32 01 11 53 Paint Removal from Paving <sup>(32 01 11)</sup>**

#### 32 01 11 53-0001 Remove Pavement Markings <sup>(32 01 11 53)</sup>

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF Removal Of 4" Wide Painted Or Epoxy Pavement Striping .....	1.98
	For Up To 250, Add	0.99
	For >250 To 1,000, Add	0.50
	For >5,000 To 10,000, Deduct	-0.30
	For >10,000 To 25,000, Deduct	-0.50
	For >25,000 To 50,000, Deduct	-0.69
	For >50,000, Deduct	-0.79
32 01 11 53-0003	LF Removal Of 6" Wide Painted Or Epoxy Pavement Striping .....	2.38
	For Up To 250, Add	1.19
	For >250 To 1,000, Add	0.60
	For >5,000 To 10,000, Deduct	-0.36
	For >10,000 To 25,000, Deduct	-0.60
	For >25,000 To 50,000, Deduct	-0.83
	For >50,000, Deduct	-0.95
32 01 11 53-0004	LF Removal Of 8" Wide Painted Or Epoxy Pavement Striping .....	2.85
	For Up To 250, Add	1.43
	For >250 To 1,000, Add	0.71
	For >5,000 To 10,000, Deduct	-0.43
	For >10,000 To 25,000, Deduct	-0.71
	For >25,000 To 50,000, Deduct	-1.00
	For >50,000, Deduct	-1.14
32 01 11 53-0005	LF Removal Of 12" Wide Painted Or Epoxy Pavement Striping .....	3.40
	For Up To 250, Add	1.70
	For >250 To 1,000, Add	0.85
	For >5,000 To 10,000, Deduct	-0.51
	For >10,000 To 25,000, Deduct	-0.85
	For >25,000 To 50,000, Deduct	-1.19
	For >50,000, Deduct	-1.36
32 01 11 53-0006	SF Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols .....	3.40
	For Up To 250, Add	1.70
	For >250 To 1,000, Add	0.85
	For >5,000 To 10,000, Deduct	-0.51
	For >10,000 To 25,000, Deduct	-0.85
	For >25,000 To 50,000, Deduct	-1.19
	For >50,000, Deduct	-1.36
32 01 11 53-0007	LF Removal Of 4" Wide Thermoplastic Pavement Striping .....	2.54
	For Up To 250, Add	1.27
	For >250 To 1,000, Add	0.64
	For >5,000 To 10,000, Deduct	-0.38
	For >10,000 To 25,000, Deduct	-0.64
	For >25,000 To 50,000, Deduct	-0.89
	For >50,000, Deduct	-1.02
32 01 11 53-0008	LF Removal Of 6" Wide Thermoplastic Pavement Striping .....	3.00
	For Up To 250, Add	1.50
	For >250 To 1,000, Add	0.75
	For >5,000 To 10,000, Deduct	-0.45
	For >10,000 To 25,000, Deduct	-0.75
	For >25,000 To 50,000, Deduct	-1.05
	For >50,000, Deduct	-1.20
32 01 11 53-0009	LF Removal Of 8" Wide Thermoplastic Pavement Striping .....	3.62
	For Up To 250, Add	1.81
	For >250 To 1,000, Add	0.91
	For >5,000 To 10,000, Deduct	-0.54
	For >10,000 To 25,000, Deduct	-0.91
	For >25,000 To 50,000, Deduct	-1.27
	For >50,000, Deduct	-1.45
32 01 11 53-0010	LF Removal Of 12" Wide Thermoplastic Pavement Striping .....	4.34
	For Up To 250, Add	2.17
	For >250 To 1,000, Add	1.09
	For >5,000 To 10,000, Deduct	-0.65
	For >10,000 To 25,000, Deduct	-1.09
	For >25,000 To 50,000, Deduct	-1.52
	For >50,000, Deduct	-1.74
32 01 11 53-0011	SF Removal Of Thermoplastic Pavement Marking, Letters Or Symbols .....	4.34
	For Up To 250, Add	2.17
	For >250 To 1,000, Add	1.09
	For >5,000 To 10,000, Deduct	-0.65
	For >10,000 To 25,000, Deduct	-1.09
	For >25,000 To 50,000, Deduct	-1.52
	For >50,000, Deduct	-1.74

#### 32 01 13 Flexible Paving Surface Treatment <sup>(32 01)</sup>

**32 Exterior Improvements****32 01 Operation and Maintenance of Exterior Improvements****32 01 13 Flexible Paving Surface Treatment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**32 01 13 61 Slurry Seal (Latex Modified)** (32 01 13)**32 01 13 61-0001 Asphalt Seal Coating, For Roads And Parking Lot** (32 01 13 61)

Note: Includes sweeping and cleaning of area.

32 01 13 61-0002	EA	Asphalt Seal Coating Minimum Charge .....	755.93
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
32 01 13 61-0003	SY	Up To 500 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	4.07
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.33
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.39
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.49
		For Each 0.5% Of Latex Addition, Add	0.36
32 01 13 61-0004	SY	>500 To 1,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	3.78
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.31
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.37
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.47
		For Each 0.5% Of Latex Addition, Add	0.36
32 01 13 61-0005	SY	>1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	3.55
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.30
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.36
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.46
		For Each 0.5% Of Latex Addition, Add	0.36
32 01 13 61-0006	SY	>5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	3.33
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.29
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.35
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.45
		For Each 0.5% Of Latex Addition, Add	0.36
32 01 13 61-0007	SY	>20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	3.14
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.44
		For Each 0.5% Of Latex Addition, Add	0.36
32 01 13 61-0008	SY	>50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	2.95
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.27
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.33
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.43
		For Each 0.5% Of Latex Addition, Add	0.36
32 01 13 61-0009	SY	Up To 500 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	5.07
		Note: 3/8" thick, 25 to 30 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.34
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.40
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.50
		For Each 0.5% Of Latex Addition, Add	0.58
32 01 13 61-0010	SY	>500 To 1,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	4.75
		Note: 3/8" thick, 25 to 30 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.32
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.38
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.48
		For Each 0.5% Of Latex Addition, Add	0.58
32 01 13 61-0011	SY	>1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	4.51
		Note: 3/8" thick, 25 to 30 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.31
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.37
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.47
		For Each 0.5% Of Latex Addition, Add	0.58
32 01 13 61-0012	SY	>5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	4.28
		Note: 3/8" thick, 25 to 30 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.30
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.36
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.46
		For Each 0.5% Of Latex Addition, Add	0.58
32 01 13 61-0013	SY	>20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	4.07
		Note: 3/8" thick, 25 to 30 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.29
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.35
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.45
		For Each 0.5% Of Latex Addition, Add	0.58
32 01 13 61-0014	SY	>50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	3.87
		Note: 3/8" thick, 25 to 30 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.44
		For Each 0.5% Of Latex Addition, Add	0.58

**32 01 13 62 Asphalt Surface Treatment** (32 01 13)**32 01 13 62-0001 Polymer-Modified, Microsurfacing Emulsion (MSE Microsurfacing)** (32 01 13 62)

Note: Use a blend of emulsified quick-set polymer-modified emulsion asphalt and latex-based polymer. Includes sweeping and cleaning of area.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 13 62-0002 SY Up To 200 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	9.06	
32 01 13 62-0003 SY Up To 500 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	8.56	
32 01 13 62-0004 SY >500 To 1,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	8.13	
32 01 13 62-0005 SY >1,000 To 5,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	7.75	
32 01 13 62-0006 SY >5,000 To 10,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	7.42	
32 01 13 62-0007 SY >10,000 To 20,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	7.13	
32 01 13 62-0008 SY >20,000 To 50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	6.91	
32 01 13 62-0009 SY >50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	6.80	
<b>32 01 16 Flexible Paving Rehabilitation (32 01)</b>		
<b>32 01 16 71 Cold Milling Asphalt Pavement (32 01 16)</b>		
32 01 16 71-0001 Removal Of Asphalt Surface Course (32 01 16 71)		
Note: Includes direct loading into truck.		
32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas (32 01 16 71-0001)		
Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.		
32 01 16 71-0003 SY Up To 3" Depth, Production Cold Milling Of Asphalt.....	4.42	
For Up To 2,500, Add	3.32	
For >2,500 To 5,000, Add	1.11	
For >10,000 To 25,000, Deduct	-0.44	
For >25,000, Deduct	-0.66	
32 01 16 71-0004 SY >3" To 6" Depth, Production Cold Milling Of Asphalt.....	5.90	
For Up To 2,500, Add	4.43	
For >2,500 To 5,000, Add	1.48	
For >10,000 To 25,000, Deduct	-0.59	
For >25,000, Deduct	-0.89	
32 01 16 71-0005 SY >6" To 12" Depth, Production Cold Milling Of Asphalt.....	7.85	
For Up To 2,500, Add	5.89	
For >2,500 To 5,000, Add	1.96	
For >10,000 To 25,000, Deduct	-0.79	
For >25,000, Deduct	-1.18	
32 01 16 71-0006 Limited Production Cold Milling (32 01 16 71-0001)		
Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.		
32 01 16 71-0007 SY Up To 3" Depth, Limited Cold Milling Of Asphalt.....	27.97	
For >100 To 1,000, Deduct	-13.99	
For >1,000, Deduct	-20.98	
32 01 16 71-0008 SY >3" To 6" Depth, Limited Cold Milling Of Asphalt.....	37.05	
For >100 To 1,000, Deduct	-18.53	
For >1,000, Deduct	-27.79	
32 01 16 71-0009 SY >6" To 12" Depth, Limited Cold Milling Of Asphalt.....	49.33	
For >100 To 1,000, Deduct	-24.67	
For >1,000, Deduct	-37.00	
32 01 16 71-0010 Grind, Leave In-Place Asphalt Grindings (32 01 16 71)		
Note: For use as subbase material, includes spreading and rolling.		
32 01 16 71-0011 SY Grind, Leave In-Place As Subbase Course, 6-9" Depth.....	7.23	
<b>32 01 16 74 In Place Hot Reused Asphalt Paving (32 01 16)</b>		
32 01 16 74-0001 Rejuvenate, Respread Asphalt Pavement (32 01 16 74)		
Note: Includes direct loading into truck.		
32 01 16 74-0002 SY Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep.....	11.74	
32 01 16 74-0003 SY Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar.....	13.43	
32 01 16 74-0004 TON Removal, Rejuvenation, And Respreading Of Asphalt Grindings.....	189.52	
32 01 16 74-0005 Reclamation, Pulverize And Blending With Existing (32 01 16 74)		
Note: Includes direct loading into truck.		
32 01 16 74-0006 SY Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	15.07	
32 01 16 74-0007 SY Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	7.53	
32 01 16 74-0008 SY Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.77	
32 01 16 74-0009 SY Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.57	
32 01 16 74-0010 SY >2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.11	
32 01 16 74-0011 SY >2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	16.45	
32 01 16 74-0012 SY >2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	8.22	
32 01 16 74-0013 SY >2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.88	

**32 Exterior Improvements****32 01 Operation and Maintenance of Exterior Improvements****32 01 16 Flexible Paving Rehabilitation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 74-0014	SY		>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	18.09	
32 01 16 74-0015	SY		>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	9.04	
32 01 16 74-0016	SY		>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.52	
32 01 16 74-0017	SY		>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.17	
32 01 16 74-0018	SY		>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	19.73	
32 01 16 74-0019	SY		>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	9.86	
32 01 16 74-0020	SY		>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.93	
32 01 16 74-0021	SY		>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.60	
32 01 16 74-0022	EA		Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew.....	1,695.44	

**32 01 17 Flexible Paving Repair** (32 01)

See CSI section 32 12 16 00-0000 for large area resurfacing.

**32 01 17 61 Sealing Cracks in Asphalt Paving** (32 01 17)

Note: Includes removing loose materials and cleaning.

**32 01 17 61-0001 Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair** (32 01 17 61)

Note: Includes removing loose materials and cleaning.

32 01 17 61-0002	LF		Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.77	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.52	
			For 1" x 1/2" Fill, Add	0.98	
			For Backer Rod, Add	1.05	
32 01 17 61-0003	LF		>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.44	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.43	
			For 1" x 1/2" Fill, Add	0.82	
			For Backer Rod, Add	0.94	
32 01 17 61-0004	LF		>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.15	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.35	
			For 1" x 1/2" Fill, Add	0.66	
			For Backer Rod, Add	0.83	
32 01 17 61-0005	LF		>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.99	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.31	
			For 1" x 1/2" Fill, Add	0.59	
			For Backer Rod, Add	0.78	
32 01 17 61-0006	LF		>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.88	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.27	
			For 1" x 1/2" Fill, Add	0.51	
			For Backer Rod, Add	0.72	
32 01 17 61-0007	LF		>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.82	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.25	
			For 1" x 1/2" Fill, Add	0.48	
			For Backer Rod, Add	0.69	
32 01 17 61-0008	LF		Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.94	
			For 3/8" x 1/4" Fill, Add	0.71	
			For 1/2" x 1/4" Fill, Add	1.32	
			For 1/2" x 1/2" Fill, Add	3.20	
32 01 17 61-0009	LF		>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.37	
			For 3/8" x 1/4" Fill, Add	0.59	
			For 1/2" x 1/4" Fill, Add	1.09	
			For 1/2" x 1/2" Fill, Add	2.66	
32 01 17 61-0010	LF		>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.85	
			For 3/8" x 1/4" Fill, Add	0.47	
			For 1/2" x 1/4" Fill, Add	0.88	
			For 1/2" x 1/2" Fill, Add	2.17	
32 01 17 61-0011	LF		>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.62	
			For 3/8" x 1/4" Fill, Add	0.41	
			For 1/2" x 1/4" Fill, Add	0.77	
			For 1/2" x 1/2" Fill, Add	1.92	
32 01 17 61-0012	LF		>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.46	
			For 3/8" x 1/4" Fill, Add	0.37	
			For 1/2" x 1/4" Fill, Add	0.69	
			For 1/2" x 1/2" Fill, Add	1.70	
32 01 17 61-0013	LF		>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.35	
			For 3/8" x 1/4" Fill, Add	0.34	
			For 1/2" x 1/4" Fill, Add	0.63	
			For 1/2" x 1/2" Fill, Add	1.55	
32 01 17 61-0014	LF		For Routing And Cleaning Of Crack, Add Per 1/2" Depth.....	0.50	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**32 01 17 63 Flexible Pavement Repair** (32 01 17)**32 01 17 63-0001****Temporary Pot Hole Repair** (32 01 17 63)

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons .....	1,540.95
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified.....	464.70
		Note: Use for each ton over 3 tons.	
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,477.06
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix .....	443.41
		Note: Use for each ton over 3 tons.	
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons .....	1,445.12
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified.....	432.76
		Note: Use for each ton over 3 tons.	
32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons .....	1,413.18
32 01 17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix .....	422.11
		Note: Use for each ton over 3 tons.	

**32 01 17 63-0010****Asphalt Placement For Small Repairs** (32 01 17 63)

Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth.

32 01 17 63-0011	TON	Asphalt Placement For Small Repair Areas, Cold Mix Modified .....	293.75
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0012	EA	Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons .....	2,127.23
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0013	TON	Asphalt Placement For Small Repair Areas, Cold Mix.....	272.46
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0014	EA	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons.....	2,095.29
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0015	TON	Asphalt Placement For Small Repair Areas, Hot Mix Modified.....	261.81
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0016	EA	Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons .....	2,063.35
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0017	TON	Asphalt Placement For Small Repair Areas, Hot Mix.....	251.16
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	

**32 01 17 63-0018****Permanent Pot Hole Repair** (32 01 17 63)

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles. Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 01 17 63-0019	EA	Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons .....	1,660.11
32 01 17 63-0020	TON	Permanent Pot Hole Repairs With Cold Mix .....	539.31
		Note: Use for each ton over 3 tons.	
32 01 17 63-0021	EA	Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons.....	1,628.17
32 01 17 63-0022	TON	Permanent Pot Hole Repairs With Hot Mix Modified .....	528.66
		Note: Use for each ton over 3 tons.	
32 01 17 63-0023	EA	Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons .....	1,596.23
32 01 17 63-0024	TON	Permanent Pot Hole Repairs With Hot Mix .....	518.01
		Note: Use for each ton over 3 tons.	

**32 01 26 Rigid Paving Rehabilitation** (32 01)**32 01 26 71 Grooving of Concrete Paving** (32 01 26)**32 01 26 71-0001****Roadway Grooving** (32 01 26 71)

32 01 26 71-0002	EA	First 500 SY Of Pavement Grooving, Concrete, Longitudinal .....	3,865.61
32 01 26 71-0003	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Longitudinal .....	3.58
32 01 26 71-0004	EA	First 500 SY Of Pavement Grooving, Concrete, Traverse.....	4,306.42
32 01 26 71-0005	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Traverse .....	4.66

**32 01 26 71-0006****Rumble Strips** (32 01 26 71)

32 01 26 71-0007	EA	First 5280 LF Of MIARDS, Rumble Strips, Asphalt.....	4,111.48
32 01 26 71-0008	LF	Each LF Over First 5280 LF Of MIARDS, Rumble Strips, Asphalt.....	0.75
32 01 26 71-0009	EA	First 2000 LF Of MIARDS, Rumble Strips, Concrete .....	4,581.88
32 01 26 71-0010	LF	Each LF Over First 2000 LF Of MIARDS, Rumble Strips, Concrete .....	0.83

**32 01 26 73 Milling Of Concrete Paving** (32 01 26)

**32 Exterior Improvements****32 01 Operation and Maintenance of Exterior Improvements****32 01 26 Rigid Paving Rehabilitation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 01 26 73-0001</b> <b>Removal Of Concrete</b> <small>(32 01 26 73)</small> Note: Includes direct loading into truck.		
<b>32 01 26 73-0002</b> <b>Production Milling Of Roads And Parking Areas</b> <small>(32 01 26 73-0001)</small> Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.		
32 01 26 73-0003      SY      Production Milling Of Concrete Per Inch.....	6.70	
<b>32 01 26 73-0004</b> <b>Limited Production Milling</b> <small>(32 01 26 73-0001)</small> Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.		
32 01 26 73-0005      SY      Limited Production Milling Of Concrete Per Inch .....	42.05	
<b>32 01 90</b> <b>Operation and Maintenance of Planting</b> <small>(32 01)</small> Note: These tasks are to be used as requested by the owner to maintain existing conditions.		
<b>32 01 90 13</b> <b>Fertilizing</b> <small>(32 01 90)</small>		
32 01 90 13-0001      MSF      Fertilizer - 2 LB Of Nitrogen/MSF (Granular) .....	13.74	
32 01 90 13-0002      MSF      Fertilizer - 2 LB Of Nitrogen/MSF (Liquid).....	9.97	
32 01 90 13-0003      MSF      Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular).....	10.92	
32 01 90 13-0004      MSF      Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid).....	8.94	
<b>32 01 90 19</b> <b>Mowing</b> <small>(32 01 90)</small>		
32 01 90 19-0001      ACR      Vegetation Cutting By Bush Hog.....	189.42	
Note: Includes normal debris removal, cutting, and trimming.		
<i>For &lt;1 Acre, Add</i> .....		
	47.36	
32 01 90 19-0002      MSF      Mowing Vegetation With Riding Mower, >20,000 To 45,000 SF.....	6.54	
32 01 90 19-0003      MSF      Mowing Vegetation With Riding Mower, >45,000 SF .....	5.07	
32 01 90 19-0004      MSF      Clear Vegetation With Weed Trimmer, Up To 1,000 SF .....	22.78	
<i>For Work On Slopes &gt;2:1, Add</i> .....		
	5.70	
<i>For Clearing Light Brush, Add</i> .....		
	3.42	
32 01 90 19-0005      MSF      Clear Vegetation With Weed Trimmer, >1,000 SF .....	19.13	
<i>For Work On Slopes &gt;2:1, Add</i> .....		
	4.78	
<i>For Clearing Light Brush, Add</i> .....		
	2.87	
32 01 90 19-0006      MSF      Blow Or Vacuum Dispersed Non-Native Seed After Bulk Of Biomass Removed .....	19.28	
<b>32 01 90 23</b> <b>Pruning</b> <small>(32 01 90)</small>		
<b>32 01 90 23-0001</b> <b>Tree Pruning</b> <small>(32 01 90 23)</small> Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumpster.		
<b>32 01 90 23-0002</b> <b>Tree Pruning; Crown Cleaning</b> <small>(32 01 90 23-0001)</small> Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown.		
32 01 90 23-0003      EA      1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	28.45	
32 01 90 23-0004      EA      2" Caliper, Tree Pruning (Crown Cleaning), By Hand .....	32.51	
32 01 90 23-0005      EA      2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand .....	36.58	
32 01 90 23-0006      EA      3" Caliper, Tree Pruning (Crown Cleaning), By Hand .....	40.65	
32 01 90 23-0007      EA      4" Caliper, Tree Pruning (Crown Cleaning), By Hand .....	61.78	
32 01 90 23-0008      EA      4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	104.71	
32 01 90 23-0009      EA      6" Caliper, Tree Pruning (Crown Cleaning), By Hand .....	108.11	
32 01 90 23-0010      EA      6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	199.43	
32 01 90 23-0011      EA      9" Caliper, Tree Pruning (Crown Cleaning), By Hand .....	173.12	
32 01 90 23-0012      EA      9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	319.02	
32 01 90 23-0013      EA      12" Caliper, Tree Pruning (Crown Cleaning), By Hand .....	200.04	
32 01 90 23-0014      EA      12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	368.93	
32 01 90 23-0015      EA      18" Caliper, Tree Pruning (Crown Cleaning), By Hand .....	232.54	
32 01 90 23-0016      EA      18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	428.75	
32 01 90 23-0017      EA      24" Caliper, Tree Pruning (Crown Cleaning), By Hand .....	283.06	
32 01 90 23-0018      EA      24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	518.58	
32 01 90 23-0019      EA      30" Caliper, Tree Pruning (Crown Cleaning), By Hand .....	351.62	
32 01 90 23-0020      EA      30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	653.57	
32 01 90 23-0021      EA      36" Caliper, Tree Pruning (Crown Cleaning), By Hand .....	481.61	
32 01 90 23-0022      EA      36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	885.81	
32 01 90 23-0023      EA      48" Caliper, Tree Pruning (Crown Cleaning), By Hand .....	764.05	
32 01 90 23-0024      EA      48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	1,424.52	



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 32 01 90 23-0025

**Tree Pruning; Crown Thinning** (32 01 90 23-0001)

Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two-thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.

32 01 90 23-0026	EA	1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand .....	34.88
32 01 90 23-0027	EA	2" Caliper, Tree Pruning (Crown Thinning), By Hand .....	39.84
32 01 90 23-0028	EA	2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand .....	44.80
32 01 90 23-0029	EA	3" Caliper, Tree Pruning (Crown Thinning), By Hand .....	49.84
32 01 90 23-0030	EA	4" Caliper, Tree Pruning (Crown Thinning), By Hand .....	75.69
32 01 90 23-0031	EA	4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment .....	128.24
32 01 90 23-0032	EA	6" Caliper, Tree Pruning (Crown Thinning), By Hand .....	132.42
32 01 90 23-0033	EA	6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment .....	244.30
32 01 90 23-0034	EA	9" Caliper, Tree Pruning (Crown Thinning), By Hand .....	212.10
32 01 90 23-0035	EA	9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment .....	390.78
32 01 90 23-0036	EA	12" Caliper, Tree Pruning (Crown Thinning), By Hand .....	245.03
32 01 90 23-0037	EA	12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment .....	451.92
32 01 90 23-0038	EA	18" Caliper, Tree Pruning (Crown Thinning), By Hand .....	284.86
32 01 90 23-0039	EA	18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment .....	525.21
32 01 90 23-0040	EA	24" Caliper, Tree Pruning (Crown Thinning), By Hand .....	346.73
32 01 90 23-0041	EA	24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment .....	635.29
32 01 90 23-0042	EA	30" Caliper, Tree Pruning (Crown Thinning), By Hand .....	430.70
32 01 90 23-0043	EA	30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment .....	800.63
32 01 90 23-0044	EA	36" Caliper, Tree Pruning (Crown Thinning), By Hand .....	589.96
32 01 90 23-0045	EA	36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment .....	1,085.11
32 01 90 23-0046	EA	48" Caliper, Tree Pruning (Crown Thinning), By Hand .....	935.95
32 01 90 23-0047	EA	48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment .....	1,745.04

## 32 01 90 23-0048

**Tree Pruning; Crown Raising** (32 01 90 23-0001)

Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.

32 01 90 23-0049	EA	1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand .....	38.45
32 01 90 23-0050	EA	2" Caliper, Tree Pruning (Crown Raising), By Hand .....	43.90
32 01 90 23-0051	EA	2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand .....	49.43
32 01 90 23-0052	EA	3" Caliper, Tree Pruning (Crown Raising), By Hand .....	54.88
32 01 90 23-0053	EA	4" Caliper, Tree Pruning (Crown Raising), By Hand .....	83.41
32 01 90 23-0054	EA	4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment .....	141.40
32 01 90 23-0055	EA	6" Caliper, Tree Pruning (Crown Raising), By Hand .....	145.92
32 01 90 23-0056	EA	6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment .....	269.24
32 01 90 23-0057	EA	9" Caliper, Tree Pruning (Crown Raising), By Hand .....	233.72
32 01 90 23-0058	EA	9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment .....	430.67
32 01 90 23-0059	EA	12" Caliper, Tree Pruning (Crown Raising), By Hand .....	270.06
32 01 90 23-0060	EA	12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment .....	498.08
32 01 90 23-0061	EA	18" Caliper, Tree Pruning (Crown Raising), By Hand .....	313.97
32 01 90 23-0062	EA	18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment .....	578.86
32 01 90 23-0063	EA	24" Caliper, Tree Pruning (Crown Raising), By Hand .....	382.16
32 01 90 23-0064	EA	24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment .....	700.11
32 01 90 23-0065	EA	30" Caliper, Tree Pruning (Crown Raising), By Hand .....	474.68
32 01 90 23-0066	EA	30" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment .....	882.30
32 01 90 23-0067	EA	36" Caliper, Tree Pruning (Crown Raising), By Hand .....	650.20
32 01 90 23-0068	EA	36" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment .....	1,195.81
32 01 90 23-0069	EA	48" Caliper, Tree Pruning (Crown Raising), By Hand .....	1,031.47
32 01 90 23-0070	EA	48" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment .....	1,923.14

## 32 01 90 23-0071

**Tree Pruning; Crown Reduction** (32 01 90 23-0001)

Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made.

32 01 90 23-0072	EA	1-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand .....	41.30
32 01 90 23-0073	EA	2" Caliper, Tree Pruning (Crown Reduction), By Hand .....	47.15
32 01 90 23-0074	EA	2-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand .....	53.09
32 01 90 23-0075	EA	3" Caliper, Tree Pruning (Crown Reduction), By Hand .....	58.94
32 01 90 23-0076	EA	4" Caliper, Tree Pruning (Crown Reduction), By Hand .....	89.58
32 01 90 23-0077	EA	4" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment .....	151.87
32 01 90 23-0078	EA	6" Caliper, Tree Pruning (Crown Reduction), By Hand .....	156.74
32 01 90 23-0079	EA	6" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment .....	289.18
32 01 90 23-0080	EA	9" Caliper, Tree Pruning (Crown Reduction), By Hand .....	251.04
32 01 90 23-0081	EA	9" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment .....	462.59
32 01 90 23-0082	EA	12" Caliper, Tree Pruning (Crown Reduction), By Hand .....	290.06
32 01 90 23-0083	EA	12" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment .....	534.98
32 01 90 23-0084	EA	18" Caliper, Tree Pruning (Crown Reduction), By Hand .....	337.21

**32 Exterior Improvements****32 01 Operation and Maintenance of Exterior Improvements****32 01 90 Operation and Maintenance of Planting**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 01 90 23-0085	EA	18" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	621.74
32 01 90 23-0086	EA	24" Caliper, Tree Pruning (Crown Reduction), By Hand.....	410.46
32 01 90 23-0087	EA	24" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	751.96
32 01 90 23-0088	EA	30" Caliper, Tree Pruning (Crown Reduction), By Hand.....	509.89
32 01 90 23-0089	EA	30" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	947.71
32 01 90 23-0090	EA	36" Caliper, Tree Pruning (Crown Reduction), By Hand.....	698.32
32 01 90 23-0091	EA	36" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	1,284.45
32 01 90 23-0092	EA	48" Caliper, Tree Pruning (Crown Reduction), By Hand.....	1,107.89
32 01 90 23-0093	EA	48" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	2,065.53

**32 01 90 23-0094 Tree Pruning; Crown Restoration** (32 01 90 23-0001)

Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.

32 01 90 23-0095	EA	1-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	47.40
32 01 90 23-0096	EA	2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	54.23
32 01 90 23-0097	EA	2-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	60.97
32 01 90 23-0098	EA	3" Caliper, Tree Pruning (Crown Restoration), By Hand.....	67.71
32 01 90 23-0099	EA	4" Caliper, Tree Pruning (Crown Restoration), By Hand.....	102.92
32 01 90 23-0100	EA	4" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	174.51
32 01 90 23-0101	EA	6" Caliper, Tree Pruning (Crown Restoration), By Hand.....	180.15
32 01 90 23-0102	EA	6" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	332.35
32 01 90 23-0103	EA	9" Caliper, Tree Pruning (Crown Restoration), By Hand.....	288.52
32 01 90 23-0104	EA	9" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	531.69
32 01 90 23-0105	EA	12" Caliper, Tree Pruning (Crown Restoration), By Hand.....	333.39
32 01 90 23-0106	EA	12" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	614.85
32 01 90 23-0107	EA	18" Caliper, Tree Pruning (Crown Restoration), By Hand.....	387.53
32 01 90 23-0108	EA	18" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	714.57
32 01 90 23-0109	EA	24" Caliper, Tree Pruning (Crown Restoration), By Hand.....	471.76
32 01 90 23-0110	EA	24" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	864.35
32 01 90 23-0111	EA	30" Caliper, Tree Pruning (Crown Restoration), By Hand.....	586.06
32 01 90 23-0112	EA	30" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	1,089.30
32 01 90 23-0113	EA	36" Caliper, Tree Pruning (Crown Restoration), By Hand.....	802.71
32 01 90 23-0114	EA	36" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	1,476.40
32 01 90 23-0115	EA	48" Caliper, Tree Pruning (Crown Restoration), By Hand.....	1,273.40
32 01 90 23-0116	EA	48" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	2,374.25

**32 01 90 23-0117 Shrub Pruning** (32 01 90 23)

32 01 90 23-0118	MSF	Shrub Pruning, Prune, Shrub Bed.....	92.64
32 01 90 23-0119	EA	Shrub Pruning, Prune, Shrub Under 3' Height.....	3.25
32 01 90 23-0120	EA	Shrub Pruning, Prune, Shrub 4' Height.....	7.31
32 01 90 23-0121	EA	Shrub Pruning, Prune, Shrub Over 6'.....	13.00
32 01 90 23-0122	EA	Shrub Pruning, Prune Trees From Ground.....	32.51
32 01 90 23-0123	EA	Shrub Pruning, Prune Trees From Ground, High Work.....	81.29

**32 01 90 23-0124 Root Pruning** (32 01 90 23)

Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.

32 01 90 23-0125	EA	Root Pruning, One Side Of Up To 1-1/2" Caliper Tree.....	16.26
32 01 90 23-0126	EA	Root Pruning, One Side Of 2" Caliper Tree.....	20.33
32 01 90 23-0127	EA	Root Pruning, One Side Of 2-1/2" Caliper Tree.....	24.39
32 01 90 23-0128	EA	Root Pruning, One Side Of 3" Caliper Tree.....	32.51
32 01 90 23-0129	EA	Root Pruning, One Side Of 4" Caliper Tree.....	48.78
32 01 90 23-0130	EA	Root Pruning, One Side Of >4" To 6" Caliper Tree.....	60.97
32 01 90 23-0131	EA	Root Pruning, One Side Of >6" To 9" Caliper Tree.....	85.36
32 01 90 23-0132	EA	Root Pruning, One Side Of >9" To 12" Caliper Tree.....	97.55
32 01 90 23-0133	EA	Root Pruning, One Side Of >12" To 18" Caliper Tree.....	113.82
32 01 90 23-0134	EA	Root Pruning, One Side Of >18" To 24" Caliper Tree.....	142.27
32 01 90 23-0135	EA	Root Pruning, One Side Of >24" To 30" Caliper Tree.....	174.78
32 01 90 23-0136	EA	Root Pruning, One Side Of >30" To 36" Caliper Tree.....	203.24
32 01 90 23-0137	EA	Root Pruning, One Side Of >36" To 42" Caliper Tree.....	223.56
32 01 90 23-0138	EA	Root Pruning, One Side Of >42" To 48" Caliper Tree.....	243.89

**32 01 90 26 Watering** (32 01 90)

Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

**32 01 90 26-0001 Watering Lawns, Plants And Trees** (32 01 90 26)

Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.

32 01 90 26-0002	MSF	Watering Sod/Grass, Per Inch Of Water.....	45.01
32 01 90 26-0003	CSF	Watering Groundcover.....	6.92
32 01 90 26-0004	CSF	Watering Annuals And Perennials.....	12.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 26-0005 EA Watering Trees, 1-1/2" To 5" Diameter By Hand .....	23.51	
32 01 90 26-0006 EA Watering Trees, 6" To 12" Diameter By Hand .....	30.91	
32 01 90 26-0007 EA Watering Trees, 13" To 18" Diameter By Hand .....	38.31	
32 01 90 26-0008 EA Watering Trees, >18" Diameter By Hand .....	47.16	
32 01 90 26-0009 EA Watering Shrub Or Bush By Hand .....	11.82	
 <b>32 01 90 36 Weed and Brush Control (32 01 90)</b>		
<b>32 01 90 36-0001 Herbicide, Push Or Hand Spreader Applied (32 01 90 36)</b>		
32 01 90 36-0002 MSF Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF) .....	7.58	
<i>For &gt;45 To 90, Deduct</i>	-0.42	
<i>For &gt;90 To 225, Deduct</i>	-1.18	
<i>For &gt;225 To 870, Deduct</i>	-1.93	
<i>For &gt;870, Deduct</i>	-2.35	
32 01 90 36-0003 MSF Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF) .....	8.22	
<i>For &gt;45 To 90, Deduct</i>	-0.48	
<i>For &gt;90 To 225, Deduct</i>	-1.30	
<i>For &gt;225 To 870, Deduct</i>	-2.13	
<i>For &gt;870, Deduct</i>	-2.61	
32 01 90 36-0004 MSF Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF) .....	8.18	
<i>Note: Includes pre and post emergent.</i>		
<i>For &gt;45 To 90, Deduct</i>	-0.48	
<i>For &gt;90 To 225, Deduct</i>	-1.30	
<i>For &gt;225 To 870, Deduct</i>	-2.11	
<i>For &gt;870, Deduct</i>	-2.59	
32 01 90 36-0005 MSF Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF) .....	8.57	
<i>Note: Includes pre and post emergents.</i>		
<i>For &gt;45 To 90, Deduct</i>	-0.52	
<i>For &gt;90 To 225, Deduct</i>	-1.37	
<i>For &gt;225 To 870, Deduct</i>	-2.23	
<i>For &gt;870, Deduct</i>	-2.75	
 <b>32 01 90 39 Pesticides (32 01 90)</b>		
32 01 90 39-0001 MSF Pesticide - Surface Eating .....	10.40	
32 01 90 39-0002 MSF Pesticide - Subsurface Eating .....	10.44	
32 01 90 39-0003 MSF Pesticide - Fungicide Application .....	11.31	
 <b>32 01 90 43 Weed and Cultivate Beds (32 01 90)</b>		
32 01 90 43-0001 MSF Weed Mulched Bed .....	39.67	
32 01 90 43-0002 MSF Weed Unmulched Bed .....	113.33	
32 01 90 43-0003 MSF Cultivate Bed .....	61.02	
 <b>32 01 90 46 Hedge Trimming (32 01 90)</b>		
32 01 90 46-0001 LF Trim 0-5' High Hedge, 0-3' Wide .....	5.26	
32 01 90 46-0002 LF Trim 0-5' High Hedge, 4-6' Wide .....	7.89	
32 01 90 46-0003 LF Trim 5-10' High Hedge, 0-3' Wide .....	11.95	
32 01 90 46-0004 LF Trim 5-10' High Hedge, 4-6' Wide .....	12.16	
 <b>32 01 90 53 Plant Growth Regulator Application (32 01 90)</b>		
32 01 90 53-0001 EA Plant Growth Regulator Application .....	5.92	
 <b>32 10 Bases, Ballasts, and Paving (32)</b>		
<b>32 11 Base Courses (32 10)</b>		
<b>32 11 16 Subbase Courses (32 11)</b>		
<b>32 11 16 16 Aggregate Subbase Courses (32 11 16)</b>		
32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas (32 11 16 16)		
<i>Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.</i>		
32 11 16 16-0002 Base And Subbase Courses By The CY (32 11 16 16-0001)		
32 11 16 16-0003 CY Class II Graded Crushed Aggregate Roadway Base Course .....	87.64	
32 11 16 16-0004 CY Class III Graded Crushed Aggregate Roadway Base Course .....	84.74	
32 11 16 16-0005 Class II Base Courses By The SY (32 11 16 16-0001)		
32 11 16 16-0006 SY 2" Class II Graded Crushed Aggregate Base Course .....	4.81	
<i>For Up To 500, Add</i>	1.27	
<i>For &gt;500 To 1,000, Add</i>	0.48	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.18	
<i>For &gt;10,000, Deduct</i>	-0.31	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 11 Base Courses**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 11 16 16-0007	SY		4" Class II Crushed Aggregate Base Course .....	9.63	
			For Up To 500, Add	2.54	
			For >500 To 1,000, Add	0.96	
			For >5,000 To 10,000, Deduct	-0.37	
			For >10,000, Deduct	-0.63	
32 11 16 16-0008	SY		6" Class II Crushed Aggregate Base Course .....	14.44	
			For Up To 500, Add	3.80	
			For >500 To 1,000, Add	1.44	
			For >5,000 To 10,000, Deduct	-0.55	
			For >10,000, Deduct	-0.94	
32 11 16 16-0009	SY		9" Class II Crushed Aggregate Base Course .....	21.66	
			For Up To 500, Add	5.70	
			For >500 To 1,000, Add	2.17	
			For >5,000 To 10,000, Deduct	-0.82	
			For >10,000, Deduct	-1.41	
32 11 16 16-0010	SY		12" Class II Crushed Aggregate Base Course .....	28.88	
			For Up To 500, Add	7.60	
			For >500 To 1,000, Add	2.89	
			For >5,000 To 10,000, Deduct	-1.10	
			For >10,000, Deduct	-1.88	

**32 11 23 Aggregate Base Courses** (32 11)**32 11 23 16 Aggregate Base Courses** (32 11 23)**32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete)** (32 11 23 16)

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 11 23 16-0002	SF		2" Crushed Aggregate Base Course For Sidewalks .....	0.58	
			For Up To 1,000, Add	0.16	
			For >1,000 To 2,500, Add	0.06	
32 11 23 16-0003	SF		3" Crushed Aggregate Base Course For Sidewalks .....	0.83	
			For Up To 1,000, Add	0.23	
			For >1,000 To 2,500, Add	0.08	
32 11 23 16-0004	SF		4" Crushed Aggregate Base Course For Sidewalks .....	1.08	
			For Up To 1,000, Add	0.30	
			For >1,000 To 2,500, Add	0.11	
32 11 23 16-0005	SF		5" Crushed Aggregate Base Course For Sidewalks .....	1.40	
			For Up To 1,000, Add	0.39	
			For >1,000 To 2,500, Add	0.14	
32 11 23 16-0006	SF		6" Crushed Aggregate Base Course For Sidewalks .....	1.72	
			For Up To 1,000, Add	0.48	
			For >1,000 To 2,500, Add	0.17	
32 11 23 16-0007	SF		7" Crushed Aggregate Base Course For Sidewalks .....	1.98	
			For Up To 1,000, Add	0.55	
			For >1,000 To 2,500, Add	0.20	
32 11 23 16-0008	SF		8" Crushed Aggregate Base Course For Sidewalks .....	2.24	
			For Up To 1,000, Add	0.63	
			For >1,000 To 2,500, Add	0.22	

**32 11 26 Asphaltic Base Courses** (32 11)**32 11 26 19 Bituminous-Stabilized Base Courses** (32 11 26)**32 11 26 19-0001 Bituminous-Stabilized Base Courses** (32 11 26 19)

32 11 26 19-0002	CY		Bituminous Stabilized Base Course .....	94.27	
			Note: 3/4" ASTM C33.		

**32 12 Flexible Paving** (32 10)**32 12 13 Preparatory Coats** (32 12)**32 12 13 13 Tack Coats** (32 12 13)

32 12 13 13-0001	SY		Tack Coat, 0.04 Gallon/SY .....	0.57	
			For Up To 150, Add	0.11	
			For >150 To 300, Add	0.06	
			For >300 To 500, Add	0.03	
			For >3,500 To 5,000, Deduct	-0.01	
			For >5,000, Deduct	-0.03	
32 12 13 13-0002	SY		Tack Coat, 0.05 Gallon/SY .....	0.62	
			For Up To 150, Add	0.12	
			For >150 To 300, Add	0.06	
			For >300 To 500, Add	0.03	
			For >3,500 To 5,000, Deduct	-0.02	
			For >5,000, Deduct	-0.04	
32 12 13 13-0003	SY		Tack Coat, 0.07 Gallon/SY .....	0.73	
			For Up To 150, Add	0.15	
			For >150 To 300, Add	0.07	
			For >300 To 500, Add	0.04	
			For >3,500 To 5,000, Deduct	-0.02	
			For >5,000, Deduct	-0.05	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 13 13-0004	SY		Tack Coat, 0.08 Gallon/SY .....	0.79	
			<i>For Up To 150, Add</i>	0.16	
			<i>For &gt;150 To 300, Add</i>	0.08	
			<i>For &gt;300 To 500, Add</i>	0.04	
			<i>For &gt;3,500 To 5,000, Deduct</i>	-0.02	
			<i>For &gt;5,000, Deduct</i>	-0.05	
32 12 13 13-0005	SY		Tack Coat, 0.10 Gallon/SY .....	0.89	
			<i>For Up To 150, Add</i>	0.19	
			<i>For &gt;150 To 300, Add</i>	0.09	
			<i>For &gt;300 To 500, Add</i>	0.04	
			<i>For &gt;3,500 To 5,000, Deduct</i>	-0.02	
			<i>For &gt;5,000, Deduct</i>	-0.06	
32 12 13 13-0006	SY		Tack Coat, 0.11 Gallon/SY .....	0.95	
			<i>For Up To 150, Add</i>	0.20	
			<i>For &gt;150 To 300, Add</i>	0.10	
			<i>For &gt;300 To 500, Add</i>	0.05	
			<i>For &gt;3,500 To 5,000, Deduct</i>	-0.02	
			<i>For &gt;5,000, Deduct</i>	-0.06	
<b>32 12 13 19 Prime Coats</b> <small>(32 12 13)</small>					
32 12 13 19-0001	SY		Surface Prime Coat, 0.26 Gallon/SY .....	1.56	
			<i>For Up To 150, Add</i>	0.35	
			<i>For &gt;150 To 300, Add</i>	0.16	
			<i>For &gt;300 To 500, Add</i>	0.08	
			<i>For &gt;3,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000, Deduct</i>	-0.11	
32 12 13 19-0002	SY		Surface Prime Coat, 0.28 Gallon/SY .....	1.64	
			<i>For Up To 150, Add</i>	0.37	
			<i>For &gt;150 To 300, Add</i>	0.16	
			<i>For &gt;300 To 500, Add</i>	0.08	
			<i>For &gt;3,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000, Deduct</i>	-0.11	
32 12 13 19-0003	SY		Surface Prime Coat, 0.30 Gallon/SY .....	1.73	
			<i>For Up To 150, Add</i>	0.39	
			<i>For &gt;150 To 300, Add</i>	0.17	
			<i>For &gt;300 To 500, Add</i>	0.09	
			<i>For &gt;3,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000, Deduct</i>	-0.12	
<b>32 12 16 Asphalt Paving</b> <small>(32 12)</small>					
<b>32 12 16 13 Plant-Mix Asphalt Paving</b> <small>(32 12 16)</small>					
Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0039 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.					
<b>32 12 16 13-0001 Intermediate Binder Courses, Hot Mix Asphalt (HMA)</b> <small>(32 12 16 13)</small>					
Note: Meets Caltrans requirements.					
32 12 16 13-0002	TON		Bituminous Hot Mix Intermediate Course 3,954 LB/CY .....	128.07	
Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.					
			<i>For Up To 25, Add</i>	18.25	
			<i>For &gt;25 To 50, Add</i>	10.18	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.31	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-9.65	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-14.96	
			<i>For &gt;5,000, Deduct</i>	-21.46	
			<i>For Warm Mix Additive, Add</i>	6.36	
32 12 16 13-0003	SY		1" Thick Bituminous Hot Mix Binder Course .....	7.28	
Note: Includes placement, rolling, finishing and sweeping.					
			<i>For Up To 1,000, Add</i>	1.07	
			<i>For &gt;1,000 To 2,000, Add</i>	0.60	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.31	
			<i>For &gt;20,000 To 50,000, Deduct</i>	-0.56	
			<i>For &gt;50,000 To 100,000, Deduct</i>	-0.87	
			<i>For &gt;100,000, Deduct</i>	-1.25	
32 12 16 13-0004	SY		1-1/2" Thick Bituminous Hot Mix Binder Course .....	10.80	
Note: Includes placement, rolling, finishing and sweeping.					
			<i>For Up To 700, Add</i>	1.57	
			<i>For &gt;700 To 1,400, Add</i>	0.88	
			<i>For &gt;7,000 To 14,000, Deduct</i>	-0.46	
			<i>For &gt;14,000 To 32,000, Deduct</i>	-0.84	
			<i>For &gt;32,000 To 64,000, Deduct</i>	-1.29	
			<i>For &gt;64,000, Deduct</i>	-1.86	
32 12 16 13-0005	SY		2" Thick Bituminous Hot Mix Binder Course .....	13.90	
Note: Includes placement, rolling, finishing and sweeping.					
			<i>For Up To 500, Add</i>	1.96	
			<i>For &gt;500 To 1,000, Add</i>	1.09	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.60	
			<i>For &gt;10,000 To 24,000, Deduct</i>	-1.09	
			<i>For &gt;24,000 To 48,000, Deduct</i>	-1.69	
			<i>For &gt;48,000, Deduct</i>	-2.43	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 12 16 13-0006	SY	2-1/2" Thick Bituminous Hot Mix Binder Course .....	17.58
		Note: Includes placement, rolling, finishing and sweeping.	
		For Up To 400, Add	2.51
		For >400 To 800, Add	1.40
		For >4,000 To 8,000, Deduct	-0.75
		For >8,000 To 20,000, Deduct	-1.37
		For >20,000 To 40,000, Deduct	-2.13
		For >40,000, Deduct	-3.06
32 12 16 13-0007	SY	3" Thick Bituminous Hot Mix Binder Course .....	21.09
		Note: Includes placement, rolling, finishing and sweeping.	
		For Up To 340, Add	3.01
		For >340 To 680, Add	2.48
		For >3,400 To 6,800, Deduct	-0.91
		For >6,800 To 17,000, Deduct	-1.65
		For >17,000 To 34,000, Deduct	-2.55
		For >34,000, Deduct	-3.67
32 12 16 13-0008	SY	3-1/2" Thick Bituminous Hot Mix Binder Course .....	24.62
		Note: Includes placement, rolling, finishing and sweeping.	
		For Up To 280, Add	3.51
		For >280 To 560, Add	1.96
		For >2,800 To 5,600, Deduct	-1.06
		For >5,600 To 14,000, Deduct	-1.92
		For >14,000 To 28,000, Deduct	-2.98
		For >28,000, Deduct	-4.28
32 12 16 13-0009	SY	4" Thick Bituminous Hot Mix Binder Course .....	28.13
		Note: Includes placement, rolling, finishing and sweeping.	
		For Up To 250, Add	4.01
		For >250 To 500, Add	2.24
		For >2,500 To 5,000, Deduct	-1.21
		For >5,000 To 12,000, Deduct	-2.20
		For >12,000 To 24,000, Deduct	-3.41
		For >24,000, Deduct	-4.90
32 12 16 13-0010	SY	5" Thick Bituminous Hot Mix Binder Course .....	35.16
		Note: Includes placement, rolling, finishing and sweeping.	
		For Up To 200, Add	5.01
		For >200 To 400, Add	2.80
		For >2,000 To 4,000, Deduct	-1.51
		For >4,000 To 10,000, Deduct	-2.75
		For >10,000 To 20,000, Deduct	-4.26
		For >20,000, Deduct	-6.12
32 12 16 13-0011	SY	6" Thick Bituminous Hot Mix Binder Course .....	42.20
		Note: Includes placement, rolling, finishing and sweeping.	
		For Up To 160, Add	6.01
		For >160 To 320, Add	3.36
		For >1,600 To 3,200, Deduct	-1.81
		For >3,200 To 8,000, Deduct	-3.30
		For >8,000 To 16,000, Deduct	-5.11
		For >16,000, Deduct	-7.34
32 12 16 13-0012		<b>Surface Courses, Hot Mix Asphalt (HMA)</b> <small>(32 12 16 13)</small>	
		Note: Meets Caltrans requirements.	
32 12 16 13-0013	TON	Bituminous Hot Mix Surface Course 3954 LB/CY .....	131.16
		Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.	
		For PG64-10 Asphalt, Add	2.33
		For Up To 25, Add	19.92
		For >25 To 50, Add	11.28
		For >500 To 1,000, Deduct	-5.19
		For >1,000 To 2,500, Deduct	-9.45
		For >2,500 To 5,000, Deduct	-14.65
		For >5,000, Deduct	-21.04
		For Warm Mix Additive, Add	6.07
32 12 16 13-0014	TON	Tire Rubber Modified Paving Asphalt (TRMAC) Surface Course (MAC-15TR) .....	145.85
		Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.	
		For Up To 25, Add	22.52
		For >25 To 50, Add	12.80
		For >500 To 1,000, Deduct	-5.70
		For Warm Mix Additive, Add	6.61
32 12 16 13-0015	TON	Asphalt Rubberized Hot Mix (ARHM) Surface Course.....	155.19
		Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.	
		For Up To 25, Add	23.46
		For >25 To 50, Add	13.27
		For >500 To 1,000, Deduct	-6.17
		For >1,000 To 2,500, Deduct	-11.23
		For >2,500 To 5,000, Deduct	-17.40
		For >5,000, Deduct	-24.98
		For Warm Mix Additive, Add	7.22
32 12 16 13-0016	SY	1" Thick Bituminous Hot Mix Surface Course .....	7.17
		Note: Includes placement, rolling, finishing and sweeping.	
		For PG64-10 Asphalt, Add	0.12
		For Up To 1,000, Add	1.13
		For >1,000 To 2,000, Add	0.64
		For >10,000 To 20,000, Deduct	-0.29
		For >20,000 To 50,000, Deduct	-0.53
		For >50,000 To 100,000, Deduct	-0.82
		For >100,000, Deduct	-1.18





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0017 SY 1-1/2" Thick Bituminous Hot Mix Surface Course .....	10.61	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.18	
For Up To 700, Add	1.65	
For >700 To 1,400, Add	0.94	
For >7,000 To 14,000, Deduct	-0.43	
For >14,000 To 32,000, Deduct	-0.79	
For >32,000 To 64,000, Deduct	-1.22	
For >64,000, Deduct	-1.76	
32 12 16 13-0018 SY 2" Thick Bituminous Hot Mix Surface Course .....	13.57	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.24	
For Up To 500, Add	2.04	
For >500 To 1,000, Add	1.15	
For >5,000 To 10,000, Deduct	-0.57	
For >10,000 To 24,000, Deduct	-1.03	
For >24,000 To 48,000, Deduct	-1.60	
For >48,000, Deduct	-2.30	
32 12 16 13-0019 SY 2-1/2" Thick Bituminous Hot Mix Surface Course .....	17.19	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.31	
For Up To 400, Add	2.61	
For >400 To 800, Add	1.48	
For >4,000 To 8,000, Deduct	-0.71	
For >8,000 To 20,000, Deduct	-1.30	
For >20,000 To 40,000, Deduct	-2.01	
For >40,000, Deduct	-2.89	
32 12 16 13-0020 SY 3" Thick Bituminous Hot Mix Surface Course .....	20.63	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.37	
For Up To 340, Add	3.13	
For >340 To 680, Add	2.51	
For >3,400 To 6,800, Deduct	-0.85	
For >6,800 To 17,000, Deduct	-1.56	
For >17,000 To 34,000, Deduct	-2.41	
For >34,000, Deduct	-3.47	
32 12 16 13-0021 CSF Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench.....	91.17	
<b>32 12 16 13-0022 Hand Placed, Hot Mix Asphalt (HMA) <small>(32 12 16 13)</small></b>		
32 12 16 13-0023 TON Hand Placed Hot Mixed Asphalt 3,954 LB/CY.....	342.69	
Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.		
<b>32 12 16 19 Cold-Mix Asphalt Paving <small>(32 12 16)</small></b>		
Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
<b>32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement <small>(32 12 16 19)</small></b>		
Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0002 SY Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course.....	11.55	
32 12 16 19-0003 SY Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course .....	11.21	
32 12 16 19-0004 SY Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course .....	17.49	
<b>32 12 16 39 Paving Fabrics <small>(32 12 16)</small></b>		
See CSI section 31 32 19 16-0000 for geotextile fabric.		
<b>32 12 16 39-0001 Geotextile Paving Fabrics <small>(32 12 16 39)</small></b>		
32 12 16 39-0002 SY 3.6 Ounce/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O).....	2.15	
For Up To 50, Add	0.47	
For >50 To 150, Add	0.35	
For >150 To 250, Add	0.23	
For >250 To 500, Add	0.11	
32 12 16 39-0003 SY 4.1 Ounce/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O).....	2.32	
For Up To 50, Add	0.50	
For >50 To 150, Add	0.37	
For >150 To 250, Add	0.25	
For >250 To 500, Add	0.12	
<b>32 12 16 43 Waterproofing Membranes <small>(32 12 16)</small></b>		
<b>32 12 16 43-0001 Waterproofing Membranes <small>(32 12 16 43)</small></b>		
32 12 16 43-0002 SY Up To 500 SY, Preformed Rubberized Asphalt Membrane .....	33.41	
32 12 16 43-0003 SY >500 To 1,000 SY, Preformed Rubberized Asphalt Membrane.....	24.77	
32 12 16 43-0004 SY >1,000 SY, Preformed Rubberized Asphalt Membrane.....	14.94	
<b>32 12 33 Flexible Paving Surface Treatments <small>(32 12)</small></b>		
<b>32 12 33 00-0001 Bituminous Surface Treatment For Roadways <small>(32 12 33)</small></b>		
Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.		
32 12 33 00-0002 SY Single Course Bituminous Treatment, Prepare And Clean Surface Roadway.....	2.84	
32 12 33 00-0003 SY Double Course Bituminous Treatment, Prepare And Clean Surface Roadway .....	5.15	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**MINOR  
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32 12 33 00-0004	<b>Bituminous Surface Treatment For Trails</b> <small>(32 12 33)</small> Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.	
32 12 33 00-0005	SY Bituminous Surface Treatment, For Trails .....	1.86
<b>32 12 36 Seal Coats</b> <small>(32 12)</small>	See CSI section 32 01 13 62-0000 for slurry seal.	
<b>32 12 36 13 Asphaltic Seal and Fog Coats</b> <small>(32 12 36)</small>		
32 12 36 13-0001	<b>Asphalt Emulsion Seal Coat (Chip Seal)</b> <small>(32 12 36 13)</small> Note: Includes initial sweeping prior to placement, cleaning of area, rolling and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping.	
32 12 36 13-0002	<b>Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)</b> <small>(32 12 36 13-0001)</small> Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.	
32 12 36 13-0003	SY Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	4.38
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.45
32 12 36 13-0004	SY >200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.93
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.45
32 12 36 13-0005	SY >500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.72
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.45
32 12 36 13-0006	SY >1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.49
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.45
32 12 36 13-0007	SY >5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.37
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.45
32 12 36 13-0008	SY >10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.27
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.45
32 12 36 13-0009	SY >20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.14
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.45
32 12 36 13-0010	SY >50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.07
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.45
32 12 36 13-0011	<b>Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)</b> <small>(32 12 36 13-0001)</small> Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.	
32 12 36 13-0012	SY Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	5.12
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.56
32 12 36 13-0013	SY >200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	4.60
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.56
32 12 36 13-0014	SY >500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	4.35
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.56
32 12 36 13-0015	SY >1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	4.21
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.56
32 12 36 13-0016	SY >5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.91
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.56
32 12 36 13-0017	SY >10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.74
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.56
32 12 36 13-0018	SY >20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.59
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.56
32 12 36 13-0019	SY >50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.51
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.56
32 12 36 13-0020	<b>Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)</b> <small>(32 12 36 13-0001)</small> Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.	
32 12 36 13-0021	SY Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	5.78
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.67
32 12 36 13-0022	SY >200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	5.21
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.67
32 12 36 13-0023	SY >500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	4.90
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.67
32 12 36 13-0024	SY >1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	4.57
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.67
32 12 36 13-0025	SY >5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	4.39
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.67
32 12 36 13-0026	SY >10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	4.13
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.67
32 12 36 13-0027	SY >20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.96
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.67
32 12 36 13-0028	SY >50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.87
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.67
32 12 36 13-0029	<b>Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)</b> <small>(32 12 36 13-0001)</small> Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.	
32 12 36 13-0030	SY Up To 200 SY, Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	5.86
	<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.77



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32 12 36 13-0031 SY >200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.27	
For Each Additional 0.5% Latex Additive, Add	0.77	
32 12 36 13-0032 SY >500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.98	
For Each Additional 0.5% Latex Additive, Add	0.77	
32 12 36 13-0033 SY >1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.65	
For Each Additional 0.5% Latex Additive, Add	0.77	
32 12 36 13-0034 SY >5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.47	
For Each Additional 0.5% Latex Additive, Add	0.77	
32 12 36 13-0035 SY >10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.29	
For Each Additional 0.5% Latex Additive, Add	0.77	
32 12 36 13-0036 SY >20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.04	
For Each Additional 0.5% Latex Additive, Add	0.77	
32 12 36 13-0037 SY >50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	3.95	
For Each Additional 0.5% Latex Additive, Add	0.77	
<b>32 12 36 13-0038 Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <sup>(32)</sup></b>		
<small><sup>12 36 13-0001</sup></small>		
Note: First coat 23 to 30 Pounds Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0039 SY Up To 200 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	8.76	
For Each Additional 0.5% Latex Additive, Add	1.11	
32 12 36 13-0040 SY >200 To 500 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	7.99	
For Each Additional 0.5% Latex Additive, Add	1.11	
32 12 36 13-0041 SY >500 To 1,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	7.55	
For Each Additional 0.5% Latex Additive, Add	1.11	
32 12 36 13-0042 SY >1,000 To 5,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	7.05	
For Each Additional 0.5% Latex Additive, Add	1.11	
32 12 36 13-0043 SY >5,000 To 10,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	6.78	
For Each Additional 0.5% Latex Additive, Add	1.11	
32 12 36 13-0044 SY >10,000 To 20,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	6.46	
For Each Additional 0.5% Latex Additive, Add	1.11	
32 12 36 13-0045 SY >20,000 To 50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	6.20	
For Each Additional 0.5% Latex Additive, Add	1.11	
32 12 36 13-0046 SY >50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	6.07	
For Each Additional 0.5% Latex Additive, Add	1.11	
<b>32 12 36 13-0047 Asphalt Emulsion Seal Coat (Scrub Seal) <sup>(32 12 36 13)</sup></b>		
Note: Includes initial sweeping prior to placement, cleaning of area, towed broom sled of scrub brush and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping. See CSI section 32 12 36 13-0084 for fog seal.		
<b>32 12 36 13-0048 Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <sup>(32 12)</sup></b>		
<small><sup>36 13-0047</sup></small>		
Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0049 SY Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.97	
For Each Additional 0.5% Latex Additive, Add	0.45	
32 12 36 13-0050 SY >200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.70	
For Each Additional 0.5% Latex Additive, Add	0.45	
32 12 36 13-0051 SY >500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.50	
For Each Additional 0.5% Latex Additive, Add	0.45	
32 12 36 13-0052 SY >1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.30	
For Each Additional 0.5% Latex Additive, Add	0.45	
32 12 36 13-0053 SY >5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.20	
For Each Additional 0.5% Latex Additive, Add	0.45	
32 12 36 13-0054 SY >10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.11	
For Each Additional 0.5% Latex Additive, Add	0.45	
32 12 36 13-0055 SY >20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.00	
For Each Additional 0.5% Latex Additive, Add	0.45	
32 12 36 13-0056 SY >50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	2.96	
For Each Additional 0.5% Latex Additive, Add	0.45	
<b>32 12 36 13-0057 Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <sup>(32 12 36 13-0047)</sup></b>		
Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 13-0058 SY Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.72	
For Each Additional 0.5% Latex Additive, Add	0.56	
32 12 36 13-0059 SY >200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.40	
For Each Additional 0.5% Latex Additive, Add	0.56	
32 12 36 13-0060 SY >500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.20	
For Each Additional 0.5% Latex Additive, Add	0.56	
32 12 36 13-0061 SY >1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.05	
For Each Additional 0.5% Latex Additive, Add	0.56	
32 12 36 13-0062 SY >5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.75	
For Each Additional 0.5% Latex Additive, Add	0.56	
32 12 36 13-0063 SY >10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.58	
For Each Additional 0.5% Latex Additive, Add	0.56	
32 12 36 13-0064 SY >20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.45	
For Each Additional 0.5% Latex Additive, Add	0.56	
32 12 36 13-0065 SY >50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.40	
For Each Additional 0.5% Latex Additive, Add	0.56	

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32 12 36 13-0066	<b>Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)</b> <small>(32 12 36 13-0047)</small>	
	Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.	
32 12 36 13-0067	SY Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	5.44
	For Each Additional 0.5% Latex Additive, Add .....	0.67
32 12 36 13-0068	SY >200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	5.03
	For Each Additional 0.5% Latex Additive, Add .....	0.67
32 12 36 13-0069	SY >500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	4.74
	For Each Additional 0.5% Latex Additive, Add .....	0.67
32 12 36 13-0070	SY >1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	4.42
	For Each Additional 0.5% Latex Additive, Add .....	0.67
32 12 36 13-0071	SY >5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	4.24
	For Each Additional 0.5% Latex Additive, Add .....	0.67
32 12 36 13-0072	SY >10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	3.98
	For Each Additional 0.5% Latex Additive, Add .....	0.67
32 12 36 13-0073	SY >20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	3.81
	For Each Additional 0.5% Latex Additive, Add .....	0.67
32 12 36 13-0074	SY >50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	3.76
	For Each Additional 0.5% Latex Additive, Add .....	0.67
32 12 36 13-0075	<b>Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)</b> <small>(32 12 36 13-0047)</small>	
	Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.	
32 12 36 13-0076	SY Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	5.52
	For Each Additional 0.5% Latex Additive, Add .....	0.77
32 12 36 13-0077	SY >200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	5.12
	For Each Additional 0.5% Latex Additive, Add .....	0.77
32 12 36 13-0078	SY >500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	4.82
	For Each Additional 0.5% Latex Additive, Add .....	0.77
32 12 36 13-0079	SY >1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	4.48
	For Each Additional 0.5% Latex Additive, Add .....	0.77
32 12 36 13-0080	SY >5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	4.30
	For Each Additional 0.5% Latex Additive, Add .....	0.77
32 12 36 13-0081	SY >10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	4.15
	For Each Additional 0.5% Latex Additive, Add .....	0.77
32 12 36 13-0082	SY >20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	3.91
	For Each Additional 0.5% Latex Additive, Add .....	0.77
32 12 36 13-0083	SY >50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	3.84
	For Each Additional 0.5% Latex Additive, Add .....	0.77
32 12 36 13-0084	<b>Fog Seal, CQS-1h</b> <small>(32 12 36 13)</small>	
	Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.	
32 12 36 13-0085	SY Up To 200 SY, CQS-1h, Fog Seal .....	1.74
32 12 36 13-0086	SY >200 To 500 SY, CQS-1h, Fog Seal .....	1.24
32 12 36 13-0087	SY >500 To 1,000 SY, CQS-1h, Fog Seal .....	1.05
32 12 36 13-0088	SY >1,000 To 5,000 SY, CQS-1h, Fog Seal .....	0.90
32 12 36 13-0089	SY >5,000 To 10,000 SY, CQS-1h, Fog Seal .....	0.81
32 12 36 13-0090	SY >10,000 To 20,000 SY, CQS-1h, Fog Seal .....	0.75
32 12 36 13-0091	SY >20,000 To 50,000 SY, CQS-1h, Fog Seal .....	0.69
32 12 36 13-0092	SY >50,000 SY, CQS-1h, Fog Seal .....	0.66
32 12 36 13-0093	<b>Sand Sealer</b> <small>(32 12 36 13)</small>	
	Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.	
32 12 36 13-0094	SY Up To 200 SY, Sand Seal .....	2.67
32 12 36 13-0095	SY >200 To 500 SY, Sand Seal .....	1.75
32 12 36 13-0096	SY >500 To 1,000 SY, Sand Seal .....	1.74
32 12 36 13-0097	SY >1,000 To 5,000 SY, Sand Seal .....	1.52
32 12 36 13-0098	SY >5,000 To 10,000 SY, Sand Seal .....	1.41
32 12 36 13-0099	SY >10,000 To 20,000 SY, Sand Seal .....	1.31
32 12 36 13-0100	SY >20,000 To 50,000 SY, Sand Seal .....	1.24
32 12 36 13-0101	SY >50,000 SY, Sand Seal .....	1.22
32 12 36 16	<b>Coal Tar Seal Coats</b> <small>(32 12 36)</small>	
32 12 36 16-0001	<b>Thermoplastic Coal-Tar Asphalt Seal</b> <small>(32 12 36 16)</small>	
	Note: Includes sweeping and cleaning of area.	
32 12 36 16-0002	SY Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal .....	13.17
32 12 36 16-0003	SY >500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal .....	12.35
32 12 36 16-0004	SY >1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal .....	10.87
32 12 36 16-0005	SY >5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal .....	9.74
32 12 36 16-0006	SY >20,000 To 50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal .....	8.26
32 12 36 16-0007	SY >50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal .....	6.78
32 12 36 16-0008	SY Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal .....	15.92
32 12 36 16-0009	SY >500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal .....	15.01
32 12 36 16-0010	SY >1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal .....	13.25
32 12 36 16-0011	SY >5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal .....	11.92



		<b>Exterior Improvements</b>	<b>32</b>
		<b>Bases, Ballasts, and Paving</b>	<b>32 10</b>
		<b>Flexible Paving</b>	<b>32 12</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 16-0012 SY >20,000 To 50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	10.16	
32 12 36 16-0013 SY >50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	8.40	
<b>32 12 43 Porous Flexible Paving</b> (32 12)		
<b>32 12 43 00-0001 Flexible Recycled Plastic Porous Grid</b> (32 12 43)		
Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.		
32 12 43 00-0002 SY 1" Thick, Recycled Plastic Flexible Pavement With Sand Fill .....	36.80	
Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.		
For Up To 100, Add	12.22	
For >100 To 500, Add	3.05	
For >1,000 To 5,000, Deduct	-1.21	
For >5,000, Deduct	-2.55	
<b>32 12 73 Asphalt Paving Joint Sealants</b> (32 12)		
<b>32 12 73 00-0001 Expansion Joint In Sidewalk</b> (32 12 73)		
32 12 73 00-0002 LF For Hot Asphalt Poured Over Expansion Joint In Sidewalk.....	3.17	
<b>32 13 Rigid Paving</b> (32 10)		
<b>32 13 13 Concrete Paving</b> (32 13)		
Note: The following section includes spreading and placing delivered Portland cement concrete mix.		
<b>32 13 13 33 Plain Concrete Paving</b> (32 13 13)		
<b>32 13 13 33-0001 Concrete Paving Assemblies</b> (32 13 13 33)		
Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.		
<b>32 13 13 33-0002 4,500 PSI Concrete Paving Assembly</b> (32 13 13 33-0001)		
32 13 13 33-0003 SY 4" 4,500 PSI Concrete Paving Assembly.....	57.92	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,000 PSI Concrete, Deduct	-2.30	
For 3,500 PSI Concrete, Deduct	-1.84	
For 4,000 PSI Concrete, Deduct	-0.80	
For 5,000 PSI Concrete, Add	0.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	3.99	
For <12' Wide Pass, Add	9.88	
For 24' Or Greater Wide Pass, Deduct	-11.58	
For Air Entrainment, Add	1.53	
For Slipforming, Deduct	-5.79	
For Up To 100, Add	22.48	
For >100 To 250, Add	12.77	
For >250 To 500, Add	6.39	
For >1,000 To 2,000, Deduct	-1.53	
For >2,000 To 5,000, Deduct	-2.98	
For >5,000 To 10,000, Deduct	-4.43	
For >10,000 To 20,000, Deduct	-5.88	
For >20,000, Deduct	-7.33	
32 13 13 33-0004 SY 5" 4,500 PSI Concrete Paving Assembly.....	68.78	
For 2,500 PSI Concrete, Deduct	-4.43	
For 3,000 PSI Concrete, Deduct	-2.89	
For 3,500 PSI Concrete, Deduct	-2.31	
For 4,000 PSI Concrete, Deduct	-1.00	
For 5,000 PSI Concrete, Add	0.62	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.01	
For <12' Wide Pass, Add	11.42	
For 24' Or Greater Wide Pass, Deduct	-13.76	
For Air Entrainment, Add	1.93	
For Slipforming, Deduct	-6.88	
For Up To 100, Add	25.86	
For >100 To 250, Add	14.86	
For >250 To 500, Add	7.43	
For >1,000 To 2,000, Deduct	-1.93	
For >2,000 To 5,000, Deduct	-3.65	
For >5,000 To 10,000, Deduct	-5.37	
For >10,000 To 20,000, Deduct	-7.08	
For >20,000, Deduct	-8.80	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 13 Rigid Paving**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 13 13 33-0005	SY	6"	4,500 PSI Concrete Paving Assembly .....	73.42
			<i>For 2,500 PSI Concrete, Deduct</i>	-4.67
			<i>For 3,000 PSI Concrete, Deduct</i>	-3.05
			<i>For 3,500 PSI Concrete, Deduct</i>	-2.44
			<i>For 4,000 PSI Concrete, Deduct</i>	-1.06
			<i>For 5,000 PSI Concrete, Add</i>	0.65
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	5.28
			<i>For &lt;12' Wide Pass, Add</i>	12.26
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-14.68
			<i>For Air Entrainment, Add</i>	2.03
			<i>For Slipforming, Deduct</i>	-7.34
			<i>For Up To 100, Add</i>	27.80
			<i>For &gt;100 To 250, Add</i>	15.93
			<i>For &gt;250 To 500, Add</i>	7.97
			<i>For &gt;1,000 To 2,000, Deduct</i>	-2.03
			<i>For &gt;2,000 To 5,000, Deduct</i>	-3.87
			<i>For &gt;5,000 To 10,000, Deduct</i>	-5.70
			<i>For &gt;10,000 To 20,000, Deduct</i>	-7.54
			<i>For &gt;20,000, Deduct</i>	-9.37
32 13 13 33-0006	SY	7"	4,500 PSI Concrete Paving Assembly .....	87.55
			<i>For 2,500 PSI Concrete, Deduct</i>	-5.89
			<i>For 3,000 PSI Concrete, Deduct</i>	-3.84
			<i>For 3,500 PSI Concrete, Deduct</i>	-3.07
			<i>For 4,000 PSI Concrete, Deduct</i>	-1.33
			<i>For 5,000 PSI Concrete, Add</i>	0.82
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	6.66
			<i>For &lt;12' Wide Pass, Add</i>	14.20
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-17.51
			<i>For Air Entrainment, Add</i>	2.56
			<i>For Slipforming, Deduct</i>	-8.76
			<i>For Up To 100, Add</i>	32.04
			<i>For &gt;100 To 250, Add</i>	18.58
			<i>For &gt;250 To 500, Add</i>	9.29
			<i>For &gt;1,000 To 2,000, Deduct</i>	-2.56
			<i>For &gt;2,000 To 5,000, Deduct</i>	-4.75
			<i>For &gt;5,000 To 10,000, Deduct</i>	-6.94
			<i>For &gt;10,000 To 20,000, Deduct</i>	-9.13
			<i>For &gt;20,000, Deduct</i>	-11.32
32 13 13 33-0007	SY	8"	4,500 PSI Concrete Paving Assembly .....	99.81
			<i>For 2,500 PSI Concrete, Deduct</i>	-6.47
			<i>For 3,000 PSI Concrete, Deduct</i>	-4.22
			<i>For 3,500 PSI Concrete, Deduct</i>	-3.37
			<i>For 4,000 PSI Concrete, Deduct</i>	-1.46
			<i>For 5,000 PSI Concrete, Add</i>	0.90
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	7.31
			<i>For &lt;12' Wide Pass, Add</i>	16.52
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-19.96
			<i>For Air Entrainment, Add</i>	2.81
			<i>For Slipforming, Deduct</i>	-9.98
			<i>For Up To 100, Add</i>	37.39
			<i>For &gt;100 To 250, Add</i>	21.51
			<i>For &gt;250 To 500, Add</i>	10.75
			<i>For &gt;1,000 To 2,000, Deduct</i>	-2.81
			<i>For &gt;2,000 To 5,000, Deduct</i>	-5.31
			<i>For &gt;5,000 To 10,000, Deduct</i>	-7.80
			<i>For &gt;10,000 To 20,000, Deduct</i>	-10.30
			<i>For &gt;20,000, Deduct</i>	-12.79
32 13 13 33-0008	SY	9"	4,500 PSI Concrete Paving Assembly .....	113.09
			<i>For 2,500 PSI Concrete, Deduct</i>	-7.47
			<i>For 3,000 PSI Concrete, Deduct</i>	-4.87
			<i>For 3,500 PSI Concrete, Deduct</i>	-3.90
			<i>For 4,000 PSI Concrete, Deduct</i>	-1.69
			<i>For 5,000 PSI Concrete, Add</i>	1.04
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	8.45
			<i>For &lt;12' Wide Pass, Add</i>	18.53
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-22.62
			<i>For Air Entrainment, Add</i>	3.25
			<i>For Slipforming, Deduct</i>	-11.31
			<i>For Up To 100, Add</i>	41.86
			<i>For &gt;100 To 250, Add</i>	24.18
			<i>For &gt;250 To 500, Add</i>	12.09
			<i>For &gt;1,000 To 2,000, Deduct</i>	-3.25
			<i>For &gt;2,000 To 5,000, Deduct</i>	-6.08
			<i>For &gt;5,000 To 10,000, Deduct</i>	-8.90
			<i>For &gt;10,000 To 20,000, Deduct</i>	-11.73
			<i>For &gt;20,000, Deduct</i>	-14.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0009 SY 10" 4,500 PSI Concrete Paving Assembly.....	125.96	
For 2,500 PSI Concrete, Deduct	-8.22	
For 3,000 PSI Concrete, Deduct	-5.36	
For 3,500 PSI Concrete, Deduct	-4.29	
For 4,000 PSI Concrete, Deduct	-1.86	
For 5,000 PSI Concrete, Add	1.14	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	9.29	
For <12' Wide Pass, Add	20.77	
For 24' Or Greater Wide Pass, Deduct	-25.19	
For Air Entrainment, Add	3.57	
For Slipforming, Deduct	-12.60	
For Up To 100, Add	46.98	
For >100 To 250, Add	27.07	
For >250 To 500, Add	13.53	
For >1,000 To 2,000, Deduct	-3.57	
For >2,000 To 5,000, Deduct	-6.72	
For >5,000 To 10,000, Deduct	-9.87	
For >10,000 To 20,000, Deduct	-13.02	
For >20,000, Deduct	-16.17	
32 13 13 33-0010 SY 12" 4,500 PSI Concrete Paving Assembly.....	150.01	
For 2,500 PSI Concrete, Deduct	-9.73	
For 3,000 PSI Concrete, Deduct	-6.35	
For 3,500 PSI Concrete, Deduct	-5.08	
For 4,000 PSI Concrete, Deduct	-2.20	
For 5,000 PSI Concrete, Add	1.35	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	11.00	
For <12' Wide Pass, Add	24.81	
For 24' Or Greater Wide Pass, Deduct	-30.00	
For Air Entrainment, Add	4.23	
For Slipforming, Deduct	-15.00	
For Up To 100, Add	56.15	
For >100 To 250, Add	32.31	
For >250 To 500, Add	16.15	
For >1,000 To 2,000, Deduct	-4.23	
For >2,000 To 5,000, Deduct	-7.98	
For >5,000 To 10,000, Deduct	-11.73	
For >10,000 To 20,000, Deduct	-15.48	
For >20,000, Deduct	-19.23	
32 13 13 33-0011 SY 15" 4,500 PSI Concrete Paving Assembly.....	190.70	
For 2,500 PSI Concrete, Deduct	-11.95	
For 3,000 PSI Concrete, Deduct	-7.80	
For 3,500 PSI Concrete, Deduct	-6.24	
For 4,000 PSI Concrete, Deduct	-2.70	
For 5,000 PSI Concrete, Add	1.66	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.51	
For <12' Wide Pass, Add	32.08	
For 24' Or Greater Wide Pass, Deduct	-38.14	
For Air Entrainment, Add	5.20	
For Slipforming, Deduct	-19.07	
For Up To 100, Add	72.84	
For >100 To 250, Add	41.62	
For >250 To 500, Add	20.81	
For >1,000 To 2,000, Deduct	-5.20	
For >2,000 To 5,000, Deduct	-9.96	
For >5,000 To 10,000, Deduct	-14.73	
For >10,000 To 20,000, Deduct	-19.50	
For >20,000, Deduct	-24.27	
<b>32 13 16 Decorative Concrete Paving (32 13)</b>		
<b>32 13 16 13 Patterned Concrete Paving (32 13 16)</b>		
See CSI section 32 17 26 00-0000 for tactile warning surfaces.		
32 13 16 13-0001 SF For Patterned (Tactile) Finish In Concrete Sidewalk.....	4.59	
<b>32 13 43 Pervious Concrete Paving (32 13)</b>		
<b>32 13 43 00-0001 Pervious Concrete Assembly (32 13 43)</b>		
Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.		
32 13 43 00-0002 SF 6" Thick Pervious Concrete Paving.....	16.65	
Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
For >5,000 To 30,000, Deduct	-1.76	
For >30,000 To 100,000, Deduct	-3.19	
For >100,000, Deduct	-3.96	
32 13 43 00-0003 SF 9" Thick Pervious Concrete Paving.....	21.25	
Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
For >5,000 To 30,000, Deduct	-2.18	
For >30,000 To 100,000, Deduct	-3.88	
For >100,000, Deduct	-4.82	
<b>32 13 73 Concrete Paving Joint Sealants (32 13)</b>		

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 13 Rigid Paving**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants (32 13 73)**

32 13 73 13-0001	Concrete Pavement Joint And Crack Repair (32 13 73 13)		
	Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 13-0002	LF Pavement Sealing, Roads Resealing Joints In Concrete Pavements For Roads .....	7.31	

**32 13 73 16 Field-Molded Concrete Paving Joint Sealants (32 13 73)**

32 13 73 16-0001	Prefomed Elastomeric Concrete Pavement Joint And Crack Repair (32 13 73 16)		
	Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 16-0002	LF Joint Sealing, Concrete Pavement Prefomed Elastomeric .....	11.90	

**32 13 73 19 Compression Concrete Paving Joint Sealants (32 13 73)**

32 13 73 19-0001	Silicone Joint Sealant For Concrete Pavement (32 13 73 19)		
	Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.		
32 13 73 19-0002	LF 1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	9.89	2.33
32 13 73 19-0003	LF 3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	10.36	2.38
32 13 73 19-0004	LF 1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	10.87	2.42
32 13 73 19-0005	LF 3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	12.58	2.47
32 13 73 19-0006	LF 1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	14.72	2.52
32 13 73 19-0007	LF 1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	17.54	2.57
32 13 73 19-0008	LF 2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	21.65	2.62

**32 14 Unit Paving (32 10)****32 14 09 Paver Restraints (32 14)**

32 14 09 00-0001	Paver Restraints (32 14 09)		
	Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.		
32 14 09 00-0002	LF Up To 2" Height, Vinyl Paver Restraint .....	4.77	1.01
	For >1,000 To 2,000, Deduct	-0.70	
	For >2,000 To 4,000, Deduct	-1.01	
	For >4,000, Deduct	-1.30	
32 14 09 00-0003	LF Up To 2" Height, Galvanized Steel Paver Restraint .....	5.20	1.01
	For >500 To 1,000, Deduct	-0.18	
	For >1,000 To 2,000, Deduct	-0.36	
	For >2,000, Deduct	-0.54	
32 14 09 00-0004	LF Up To 1" Height, Aluminum Paver Restraint .....	4.99	1.01
	For >250 To 500, Deduct	-0.34	
	For >500 To 1,000, Deduct	-0.51	
	For >1,000 To 1,500, Deduct	-0.85	
32 14 09 00-0005	LF >1" To 2" Height, Aluminum Paver Restraint .....	5.94	1.01
	For >250 To 500, Deduct	-0.43	
	For >500 To 1,000, Deduct	-0.65	
	For >1,000 To 1,500, Deduct	-1.09	
32 14 09 00-0006	LF >2" To 3" Height, Aluminum Paver Restraint .....	7.76	1.01
	For >250 To 500, Deduct	-0.62	
	For >500 To 1,000, Deduct	-0.92	
	For >1,000 To 1,500, Deduct	-1.54	
32 14 09 00-0007	LF >3" To 4" Height, Aluminum Paver Restraint .....	9.16	1.01
	For >250 To 500, Deduct	-0.76	
	For >500 To 1,000, Deduct	-1.13	
	For >1,000 To 1,500, Deduct	-1.89	

**32 14 11 Bedding for Unit Paving (32 14)**

32 14 11 00-0001	Bedding For Brick, Precast Concrete Paver And Stone Sidewalk (32 14 11)		
	Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.		
32 14 11 00-0002	SF 1" To 2" Sand Bedding, Screeded .....	1.00	
	For Up To 100, Add	0.44	
	For >100 To 500, Add	0.13	
	For >1,000 To 5,000, Deduct	-0.08	
	For >5,000, Deduct	-0.12	
32 14 11 00-0003	SF 1" To 2" Stone Dust Bedding, Screeded .....	1.20	
	For Up To 100, Add	0.49	
	For >100 To 500, Add	0.14	
	For >1,000 To 5,000, Deduct	-0.08	
	For >5,000, Deduct	-0.13	
32 14 11 00-0004	SF 3" Stone Dust Bedding, Screeded .....	1.54	
	For Up To 100, Add	0.61	
	For >100 To 500, Add	0.17	
	For >1,000 To 5,000, Deduct	-0.09	
	For >5,000, Deduct	-0.15	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 11 00-0005 SF 4" Stone Dust Bedding, Screeded .....	1.97	
<i>For Up To 100, Add</i>	0.77	
<i>For &gt;100 To 500, Add</i>	0.21	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.11	
<i>For &gt;5,000, Deduct</i>	-0.19	
32 14 11 00-0006 SF 1" Mortar Bedding .....	3.15	
<i>For Up To 100, Add</i>	1.42	
<i>For &gt;100 To 500, Add</i>	0.41	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.25	
<i>For &gt;5,000, Deduct</i>	-0.40	
32 14 11 00-0007 SF 2" Mortar Bedding .....	4.64	
<i>For Up To 100, Add</i>	2.00	
<i>For &gt;100 To 500, Add</i>	0.57	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.34	
<i>For &gt;5,000, Deduct</i>	-0.54	
32 14 11 00-0008 SF Thin-Set Latex Portland Cement Mortar .....	1.65	
<i>For Up To 100, Add</i>	0.75	
<i>For &gt;100 To 500, Add</i>	0.22	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.13	
<i>For &gt;5,000, Deduct</i>	-0.21	

**32 14 13 Precast Concrete Unit Paving** (32 14)

**32 14 13 16 Precast Concrete Unit Paving Slabs** (32 14 13)

**32 14 13 16-0001 Precast Concrete Paver Sidewalk** (32 14 13 16)

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 13 16-0002 SF 2-3/8" Thick, Up To 32 SI Precast Concrete Paver .....	11.49	3.13
Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
<i>For 2-3/4" Concrete Paver, Add</i>	1.10	
<i>For 3-1/8" Concrete Paver, Add</i>	1.77	
<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.89	
<i>For Up To 100, Add</i>	4.44	
<i>For &gt;100 To 500, Add</i>	1.20	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.63	
<i>For &gt;5,000, Deduct</i>	-1.10	
32 14 13 16-0003 SF 2-3/8" Thick, >32 to 64 SI Precast Concrete Paver .....	10.92	2.85
Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
<i>For 2-3/4" Concrete Paver, Add</i>	1.07	
<i>For 3-1/8" Concrete Paver, Add</i>	1.73	
<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.83	
<i>For Up To 100, Add</i>	4.16	
<i>For &gt;100 To 500, Add</i>	1.12	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.57	
<i>For &gt;5,000, Deduct</i>	-1.01	
32 14 13 16-0004 SF 2-3/8" Thick, >64 to 144 SI Precast Concrete Paver .....	10.39	2.27
Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
<i>For 2-3/4" Concrete Paver, Add</i>	1.04	
<i>For 3-1/8" Concrete Paver, Add</i>	1.69	
<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.78	
<i>For Up To 100, Add</i>	3.89	
<i>For &gt;100 To 500, Add</i>	1.04	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.52	
<i>For &gt;5,000, Deduct</i>	-0.93	
32 14 13 16-0005 SF 2-3/8" Thick, >144 SI Precast Concrete Paver .....	9.92	2.36
Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
<i>For 2-3/4" Concrete Paver, Add</i>	1.02	
<i>For 3-1/8" Concrete Paver, Add</i>	1.66	
<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.73	
<i>For Up To 100, Add</i>	3.66	
<i>For &gt;100 To 500, Add</i>	0.97	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.47	
<i>For &gt;5,000, Deduct</i>	-0.86	
32 14 13 16-0006 SF 2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns .....	10.65	2.71
Note: Patterns made by combining pavers from two or more size groups.		
<i>For 2-3/4" Concrete Paver, Add</i>	1.05	
<i>For 3-1/8" Concrete Paver, Add</i>	1.71	
<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.80	
<i>For Up To 100, Add</i>	4.02	
<i>For &gt;100 To 500, Add</i>	1.08	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.54	
<i>For &gt;5,000, Deduct</i>	-0.97	

**32 14 13 19 Porous Precast Concrete Unit Paving** (32 14 13)

**32 14 13 19-0001 Turf Block** (32 14 13 19)

Note: Grass grid, open-cell unit paver, geoblock.

32 14 13 19-0002 SF 3-1/8" Thick, Precast Concrete Turf Block .....	11.86	2.71
<i>For Up To 100, Add</i>	4.33	
<i>For &gt;100 To 500, Add</i>	1.14	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.54	
<i>For &gt;5,000, Deduct</i>	-1.01	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 14 Unit Paving**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**32 14 16 Brick Unit Paving** (32 14)

<b>32 14 16 00-0001</b>	<b>Brick Paver Sidewalk</b> <small>(32 14 16)</small>		
	Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 16 00-0002	SF 4" x 8" x 2-1/4" Brick Paver, Laid Flat .....	14.72	3.13
	For 1-3/8" Thick Paver, Deduct	-3.27	
	For 2-3/4" Thick Paver (Vehicular), Add	7.52	
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.05	
	For Up To 100, Add	5.25	
	For >100 To 500, Add	1.36	
	For >1,000 To 5,000, Deduct	-0.63	
	For >5,000, Deduct	-1.20	
32 14 16 00-0003	SF 4" x 8" x 2-1/4" Brick, Laid On Edge.....	22.14	3.58
	For 1-3/8" Thick Paver, Deduct	-5.61	
	For 2-3/4" Thick Paver (Vehicular), Add	13.16	
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.46	
	For Up To 100, Add	7.32	
	For >100 To 500, Add	1.82	
	For >1,000 To 5,000, Deduct	-0.71	
	For >5,000, Deduct	-1.52	

**32 14 33 Plastic Paving** (32 14)**32 14 33 13 Permeable Plastic Paving** (32 14 33)

<b>32 14 33 13-0001</b>	<b>Turf Block Plastic Paving</b> <small>(32 14 33 13)</small>		
32 14 33 13-0002	SF 4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block.....	18.17	2.71
	For Up To 100, Add	5.90	
	For >100 To 500, Add	1.45	
	For >1,000 To 5,000, Deduct	-0.54	
	For >5,000, Deduct	-1.20	

**32 14 40 Stone Paving** (32 14)

<b>32 14 40 00-0001</b>	<b>Slate Paver Sidewalk</b> <small>(32 14 40)</small>		
	Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0002	SF 1" Thick, Up to 54 SI Slate Paver.....	15.50	2.60
	Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.03	
	For 1/4" Thick Paver, Deduct	-7.90	
	For 1/2" Thick Paver, Deduct	-5.52	
	For Up To 100, Add	5.17	
	For >100 To 500, Add	1.29	
	For >1,000 To 5,000, Deduct	-0.52	
	For >5,000, Deduct	-1.09	
32 14 40 00-0003	SF 1" Thick, >54 to 108 SI Slate Paver .....	15.03	2.36
	Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.99	
	For 1/4" Thick Paver, Deduct	-7.78	
	For 1/2" Thick Paver, Deduct	-5.45	
	For Up To 100, Add	4.94	
	For >100 To 500, Add	1.22	
	For >1,000 To 5,000, Deduct	-0.47	
	For >5,000, Deduct	-1.02	
32 14 40 00-0004	SF 1" Thick, >108 to 216 SI Slate Paver .....	14.22	1.95
	Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.91	
	For 1/4" Thick Paver, Deduct	-7.58	
	For 1/2" Thick Paver, Deduct	-5.33	
	For Up To 100, Add	4.53	
	For >100 To 500, Add	1.10	
	For >1,000 To 5,000, Deduct	-0.39	
	For >5,000, Deduct	-0.89	
32 14 40 00-0005	SF 1" Thick, >216 SI Slate Paver .....	13.87	1.77
	Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.87	
	For 1/4" Thick Paver, Deduct	-7.49	
	For 1/2" Thick Paver, Deduct	-5.28	
	For Up To 100, Add	4.36	
	For >100 To 500, Add	1.05	
	For >1,000 To 5,000, Deduct	-0.36	
	For >5,000, Deduct	-0.84	
32 14 40 00-0006	SF 1" Thick, Slate Paver, Combinations And Patterns.....	14.59	2.13
	Note: Patterns made by combining pavers from two or more size groups.		
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.94	
	For 1/4" Thick Paver, Deduct	-7.67	
	For 1/2" Thick Paver, Deduct	-5.39	
	For Up To 100, Add	4.72	
	For >100 To 500, Add	1.16	
	For >1,000 To 5,000, Deduct	-0.43	
	For >5,000, Deduct	-0.95	



<b>Exterior Improvements</b>	<b>32</b>
<b>Bases, Ballasts, and Paving</b>	<b>32 10</b>
<b>Unit Paving</b>	<b>32 14</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 14 40 00-0007	<b>Granite Paver Sidewalk</b> <small>(32 14 40)</small> Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0008	SF 1" Thick, Up to 54 SI Granite Paver ..... Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers. <i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i> <i>For 2" Granite Paver, Add</i> <i>For 3" Granite Paver, Add</i> <i>For 4" Granite Paver, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	21.94	2.60
		1.36	
		1.10	
		2.19	
		2.45	
		6.78	
		1.62	
		-0.52	
		-1.28	
32 14 40 00-0009	SF 1" Thick, >54 to 108 SI Granite Paver ..... Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers. <i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i> <i>For 2" Granite Paver, Add</i> <i>For 3" Granite Paver, Add</i> <i>For 4" Granite Paver, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	21.47	2.36
		1.31	
		1.07	
		2.15	
		2.38	
		6.55	
		1.54	
		-0.47	
		-1.21	
32 14 40 00-0010	SF 1" Thick, >108 to 216 SI Granite Paver ..... Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers. <i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i> <i>For 2" Granite Paver, Add</i> <i>For 3" Granite Paver, Add</i> <i>For 4" Granite Paver, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	20.66	1.95
		1.23	
		1.03	
		2.07	
		2.26	
		6.14	
		1.42	
		-0.39	
		-1.09	
32 14 40 00-0011	SF 1" Thick, >216 SI Granite Paver ..... Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers. <i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i> <i>For 2" Granite Paver, Add</i> <i>For 3" Granite Paver, Add</i> <i>For 4" Granite Paver, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	20.31	1.77
		1.19	
		1.02	
		2.03	
		2.21	
		5.97	
		1.37	
		-0.36	
		-1.04	
32 14 40 00-0012	SF 1" Thick, Granite Paver, Combinations And Patterns ..... Note: Patterns made by combining pavers from two or more size groups. <i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i> <i>For 2" Granite Paver, Add</i> <i>For 3" Granite Paver, Add</i> <i>For 4" Granite Paver, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	21.03	2.13
		1.27	
		1.05	
		2.10	
		2.32	
		6.33	
		1.48	
		-0.43	
		-1.14	

**32 15 Aggregate Surfacing** (32 15)

**32 15 40 Crushed Stone Surfacing** (32 15)

Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 15 40 00-0001	<b>Gravel Surfacing And Spreading</b> <small>(32 15 40)</small> Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0002	CY Gravel Surfacing And Spreading .....	86.96	
32 15 40 00-0003	<b>Limestone Screenings</b> <small>(32 15 40)</small> Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.		
32 15 40 00-0004	CY Limestone Screenings For Trail .....	63.37	
32 15 40 00-0005	<b>Decomposed Granite</b> <small>(32 15 40)</small> Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0006	SY 3" To 4" Thick Decomposed Granite Screenings With Stabilizer Pathway ..... Note: Placed in 2 lifts. <i>For Additional 2"</i> <i>For &gt;45 To 180, Deduct</i> <i>For &gt;180 To 450, Deduct</i> <i>For &gt;450, Deduct</i>	18.61	
		9.31	
		-1.24	
		-1.54	
		-1.84	

**32 16 Curbs, Gutters, Sidewalks, and Driveways** (32 16)

**32 16 13 Curbs and Gutters** (32 16)

<b>32</b>	<b>Exterior Improvements</b>
<b>32 10</b>	<b>Bases, Ballasts, and Paving</b>
<b>32 16</b>	<b>Curbs, Gutters, Sidewalks, and Driveways</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0001 for additional saw cuts within the 100'.

**32 16 13 13 Cast-In-Place Concrete Curbs and Gutters** (32 16 13)

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

**32 16 13 13-0001 Cast In Place Concrete Curbs** (32 16 13 13)

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0002	LF 6" x 12" Cast In Place Concrete Curb (Type A1-6)	19.37	9.95
	For Mountable Curb, Add	1.40	
	For Up To 20, Add	11.83	
	For >20 To 50, Add	6.71	
	For >50 To 100, Add	2.56	
	For >500 To 1,000, Deduct	-2.56	
	For >1,000, Deduct	-4.32	
32 16 13 13-0003	LF 6" x 12" Cast In Place Concrete Curb - Radius (Type A1-6)	22.21	11.44
	For Mountable Curb, Add	1.63	
	For Up To 20, Add	13.64	
	For >20 To 50, Add	7.74	
	For >50 To 100, Add	2.95	
	For >500 To 1,000, Deduct	-2.95	
	For >1,000, Deduct	-4.98	
32 16 13 13-0004	LF 6" x 14" Cast In Place Concrete Curb (Type A1-8)	21.30	9.95
	For Mountable Curb, Add	1.53	
	For Up To 20, Add	12.96	
	For >20 To 50, Add	7.35	
	For >50 To 100, Add	2.81	
	For >500 To 1,000, Deduct	-2.81	
	For >1,000, Deduct	-4.74	
32 16 13 13-0005	LF 6" x 14" Cast In Place Concrete Curb - Radius (Type A1-8)	24.43	11.44
	For Mountable Curb, Add	1.78	
	For Up To 20, Add	14.96	
	For >20 To 50, Add	8.49	
	For >50 To 100, Add	3.24	
	For >500 To 1,000, Deduct	-3.24	
	For >1,000, Deduct	-5.46	
32 16 13 13-0006	LF 6" x 16" Cast In Place Concrete Curb	23.46	9.95
	For Mountable Curb, Add	1.64	
	For Up To 20, Add	14.14	
	For >20 To 50, Add	8.02	
	For >50 To 100, Add	3.06	
	For >500 To 1,000, Deduct	-3.06	
	For >1,000, Deduct	-5.18	
32 16 13 13-0007	LF 6" x 16" Cast In Place Concrete Curb - Radius	26.82	14.92
	For Mountable Curb, Add	1.92	
	For Up To 20, Add	16.30	
	For >20 To 50, Add	9.25	
	For >50 To 100, Add	3.53	
	For >500 To 1,000, Deduct	-3.53	
	For >1,000, Deduct	-5.96	
32 16 13 13-0008	LF 6" x 18" Cast In Place Concrete Curb	25.18	9.95
	For Mountable Curb, Add	1.73	
	For Up To 20, Add	15.09	
	For >20 To 50, Add	8.55	
	For >50 To 100, Add	3.27	
	For >500 To 1,000, Deduct	-3.27	
	For >1,000, Deduct	-5.53	
32 16 13 13-0009	LF 6" x 18" Cast In Place Concrete Curb - Radius	28.47	11.44
	For Mountable Curb, Add	1.98	
	For Up To 20, Add	17.13	
	For >20 To 50, Add	9.71	
	For >50 To 100, Add	3.71	
	For >500 To 1,000, Deduct	-3.71	
	For >1,000, Deduct	-6.28	
32 16 13 13-0010	LF 6" x 24" Cast In Place Concrete Curb	28.96	10.95
	For Mountable Curb, Add	1.83	
	For Up To 20, Add	16.85	
	For >20 To 50, Add	9.53	
	For >50 To 100, Add	3.66	
	For >500 To 1,000, Deduct	-3.66	
	For >1,000, Deduct	-6.21	
32 16 13 13-0011	LF 6" x 24" Cast In Place Concrete Curb - Radius	32.40	12.43
	For Mountable Curb, Add	2.07	
	For Up To 20, Add	18.92	
	For >20 To 50, Add	10.70	
	For >50 To 100, Add	4.11	
	For >500 To 1,000, Deduct	-4.11	
	For >1,000, Deduct	-6.97	
32 16 13 13-0012	LF 12" x 24" Cast In Place Concrete Curb	37.89	12.43
	For Mountable Curb, Add	1.77	
	For Up To 20, Add	20.01	
	For >20 To 50, Add	11.25	
	For >50 To 100, Add	4.38	
	For >500 To 1,000, Deduct	-4.38	
	For >1,000, Deduct	-7.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0013 LF 12" x 24" Cast In Place Concrete Curb - Radius.....	42.18	13.92
For Mountable Curb, Add	2.00	
For Up To 20, Add	22.37	
For >20 To 50, Add	12.58	
For >50 To 100, Add	4.90	
For >500 To 1,000, Deduct	-4.90	
For >1,000, Deduct	-8.40	
32 16 13 13-0014 EA Additional Finish For Handicap Drop Section In Curb.....	74.60	
<b>32 16 13 13-0015 Cast In Place Concrete Curb And Gutter</b> <small>(32 16 13 13)</small>		
Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.		
32 16 13 13-0016 LF 6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	26.51	11.99
For Up To 20, Add	18.01	
For >20 To 50, Add	10.05	
For >50 To 100, Add	3.98	
For >500 To 1,000, Deduct	-3.42	
For >1,000, Deduct	-5.80	
For Mountable Or Rolled Curb And Gutter, Add	1.80	
32 16 13 13-0017 LF 6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	28.91	15.99
For Up To 20, Add	19.64	
For >20 To 50, Add	10.97	
For >50 To 100, Add	4.34	
For >500 To 1,000, Deduct	-3.74	
For >1,000, Deduct	-6.34	
For Mountable Or Rolled Curb And Gutter, Add	1.97	
32 16 13 13-0018 LF 6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	33.70	13.29
For Up To 20, Add	22.87	
For >20 To 50, Add	12.76	
For >50 To 100, Add	5.06	
For >500 To 1,000, Deduct	-4.33	
For >1,000, Deduct	-7.34	
For Mountable Or Rolled Curb And Gutter, Add	2.25	
32 16 13 13-0019 LF 6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	37.24	14.79
For Up To 20, Add	25.29	
For >20 To 50, Add	14.12	
For >50 To 100, Add	5.59	
For >500 To 1,000, Deduct	-4.81	
For >1,000, Deduct	-8.15	
For Mountable Or Rolled Curb And Gutter, Add	2.52	
32 16 13 13-0020 LF 6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight (Type A3-6).....	40.89	15.99
For Up To 20, Add	27.73	
For >20 To 50, Add	15.46	
For >50 To 100, Add	6.13	
For >500 To 1,000, Deduct	-5.24	
For >1,000, Deduct	-8.88	
For Mountable Or Rolled Curb And Gutter, Add	2.71	
32 16 13 13-0021 LF 6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius (Type A3-6).....	45.56	17.99
For Up To 20, Add	30.93	
For >20 To 50, Add	17.26	
For >50 To 100, Add	6.83	
For >500 To 1,000, Deduct	-5.87	
For >1,000, Deduct	-9.95	
For Mountable Or Rolled Curb And Gutter, Add	3.07	
32 16 13 13-0022 LF 6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	48.58	18.98
For Up To 20, Add	32.95	
For >20 To 50, Add	18.37	
For >50 To 100, Add	7.29	
For >500 To 1,000, Deduct	-6.23	
For >1,000, Deduct	-10.55	
For Mountable Or Rolled Curb And Gutter, Add	3.21	
32 16 13 13-0023 LF 6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	53.39	20.99
For Up To 20, Add	36.23	
For >20 To 50, Add	20.21	
For >50 To 100, Add	8.01	
For >500 To 1,000, Deduct	-6.87	
For >1,000, Deduct	-11.63	
For Mountable Or Rolled Curb And Gutter, Add	3.57	
32 16 13 13-0024 LF 6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	56.27	21.98
For Up To 20, Add	38.16	
For >20 To 50, Add	21.28	
For >50 To 100, Add	8.44	
For >500 To 1,000, Deduct	-7.21	
For >1,000, Deduct	-12.22	
For Mountable Or Rolled Curb And Gutter, Add	3.72	
32 16 13 13-0025 LF 6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	61.22	23.98
For Up To 20, Add	41.53	
For >20 To 50, Add	23.16	
For >50 To 100, Add	9.18	
For >500 To 1,000, Deduct	-7.86	
For >1,000, Deduct	-13.32	
For Mountable Or Rolled Curb And Gutter, Add	4.07	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0026 LF 6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	63.96	24.98
For Up To 20, Add	43.37	
For >20 To 50, Add	24.18	
For >50 To 100, Add	9.59	
For >500 To 1,000, Deduct	-8.19	
For >1,000, Deduct	-13.89	
For Mountable Or Rolled Curb And Gutter, Add	4.22	
32 16 13 13-0027 LF 6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius .....	71.05	27.97
For Up To 20, Add	48.23	
For >20 To 50, Add	26.91	
For >50 To 100, Add	10.66	
For >500 To 1,000, Deduct	-9.15	
For >1,000, Deduct	-15.50	
For Mountable Or Rolled Curb And Gutter, Add	4.77	
<b>32 16 13 14 Machine Formed, Slip Form Curbs (32 16 13)</b>		
Note: Includes delivered concrete, steel, expansion joints and finish.		
<b>32 16 13 14-0001 Curbs, Machine Formed, Slip Form (32 16 13 14)</b>		
Note: Includes delivered concrete, steel, expansion joints and finish.		
32 16 13 14-0002 EA Machine Formed Concrete Curb Minimum Set-Up Charge (One Time Per Job).....	1,410.77	
Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.		
32 16 13 14-0003 LF 6" x 12" Straight Concrete Curb, Machine Formed .....	12.67	
32 16 13 14-0004 LF 6" x 12" Curved Concrete Curb, Machine Formed .....	17.07	
32 16 13 14-0005 LF 6" x 18" Straight Concrete Curb, Machine Formed .....	16.76	
32 16 13 14-0006 LF 6" x 18" Curved Concrete Curb, Machine Formed .....	21.87	
<b>32 16 13 19 Cast-In-Place Concrete Drainage Ditches (32 16 13)</b>		
Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.		
<b>32 16 13 19-0001 Valley Gutter, Cast In Place (32 16 13 19)</b>		
Note: Includes concrete, forms, rebar, expansion joints, finish and curing.		
32 16 13 19-0002 LF 2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	21.69	
For Up To 20, Add	9.81	
For >20 To 50, Add	5.45	
For >50 To 100, Add	2.18	
For >500 To 1,000, Deduct	-2.18	
For >1,000, Deduct	-3.81	
32 16 13 19-0003 LF 2-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	26.59	
For Up To 20, Add	11.90	
For >20 To 50, Add	6.61	
For >50 To 100, Add	2.65	
For >500 To 1,000, Deduct	-2.65	
For >1,000, Deduct	-4.63	
32 16 13 19-0004 LF 3' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	31.47	
For Up To 20, Add	13.97	
For >20 To 50, Add	7.76	
For >50 To 100, Add	3.11	
For >500 To 1,000, Deduct	-3.11	
For >1,000, Deduct	-5.45	
32 16 13 19-0005 LF 3-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	36.30	
For Up To 20, Add	16.02	
For >20 To 50, Add	8.88	
For >50 To 100, Add	3.57	
For >500 To 1,000, Deduct	-3.57	
For >1,000, Deduct	-6.26	
32 16 13 19-0006 LF 4' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	41.16	
For Up To 20, Add	18.07	
For >20 To 50, Add	10.02	
For >50 To 100, Add	4.03	
For >500 To 1,000, Deduct	-4.03	
For >1,000, Deduct	-7.07	
32 16 13 19-0007 LF 5' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	48.99	
For Up To 20, Add	20.87	
For >20 To 50, Add	11.54	
For >50 To 100, Add	4.66	
For >500 To 1,000, Deduct	-4.66	
For >1,000, Deduct	-8.22	
32 16 13 19-0008 LF 6' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	56.54	
For Up To 20, Add	23.47	
For >20 To 50, Add	12.95	
For >50 To 100, Add	5.26	
For >500 To 1,000, Deduct	-5.26	
For >1,000, Deduct	-9.30	
32 16 13 19-0009 SF >6' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	9.42	
For Up To 100, Add	3.91	
For >100 To 250, Add	2.16	
For >250 To 500, Add	0.88	
For >2,500 To 5,000, Deduct	-0.88	
For >5,000, Deduct	-1.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0010 LF 2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	23.88	
<i>For Up To 20, Add</i>	10.54	
<i>For &gt;20 To 50, Add</i>	5.84	
<i>For &gt;50 To 100, Add</i>	2.35	
<i>For &gt;500 To 1,000, Deduct</i>	-2.35	
<i>For &gt;1,000, Deduct</i>	-4.12	
32 16 13 19-0011 LF 2-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	29.51	
<i>For Up To 20, Add</i>	12.93	
<i>For &gt;20 To 50, Add</i>	7.17	
<i>For &gt;50 To 100, Add</i>	2.88	
<i>For &gt;500 To 1,000, Deduct</i>	-2.88	
<i>For &gt;1,000, Deduct</i>	-5.06	
32 16 13 19-0012 LF 3' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	34.74	
<i>For Up To 20, Add</i>	15.05	
<i>For &gt;20 To 50, Add</i>	8.33	
<i>For &gt;50 To 100, Add</i>	3.36	
<i>For &gt;500 To 1,000, Deduct</i>	-3.36	
<i>For &gt;1,000, Deduct</i>	-5.90	
32 16 13 19-0013 LF 3-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	40.11	
<i>For Up To 20, Add</i>	17.27	
<i>For &gt;20 To 50, Add</i>	9.56	
<i>For &gt;50 To 100, Add</i>	3.85	
<i>For &gt;500 To 1,000, Deduct</i>	-3.85	
<i>For &gt;1,000, Deduct</i>	-6.78	
32 16 13 19-0014 LF 4' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	45.48	
<i>For Up To 20, Add</i>	19.48	
<i>For &gt;20 To 50, Add</i>	10.78	
<i>For &gt;50 To 100, Add</i>	4.35	
<i>For &gt;500 To 1,000, Deduct</i>	-4.35	
<i>For &gt;1,000, Deduct</i>	-7.66	
32 16 13 19-0015 LF 5' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	54.26	
<i>For Up To 20, Add</i>	22.54	
<i>For &gt;20 To 50, Add</i>	12.44	
<i>For &gt;50 To 100, Add</i>	5.05	
<i>For &gt;500 To 1,000, Deduct</i>	-5.05	
<i>For &gt;1,000, Deduct</i>	-8.93	
32 16 13 19-0016 LF 6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	62.74	
<i>For Up To 20, Add</i>	25.38	
<i>For &gt;20 To 50, Add</i>	13.98	
<i>For &gt;50 To 100, Add</i>	5.70	
<i>For &gt;500 To 1,000, Deduct</i>	-5.70	
<i>For &gt;1,000, Deduct</i>	-10.12	
32 16 13 19-0017 SF >6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	10.46	
<i>For Up To 100, Add</i>	4.23	
<i>For &gt;100 To 250, Add</i>	2.33	
<i>For &gt;250 To 500, Add</i>	0.95	
<i>For &gt;2,500 To 5,000, Deduct</i>	-0.95	
<i>For &gt;5,000, Deduct</i>	-1.69	
32 16 13 19-0018 LF 2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	24.00	
<i>For Up To 20, Add</i>	10.87	
<i>For &gt;20 To 50, Add</i>	6.04	
<i>For &gt;50 To 100, Add</i>	2.41	
<i>For &gt;500 To 1,000, Deduct</i>	-2.41	
<i>For &gt;1,000, Deduct</i>	-4.22	
32 16 13 19-0019 LF 2-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	29.46	
<i>For Up To 20, Add</i>	13.21	
<i>For &gt;20 To 50, Add</i>	7.34	
<i>For &gt;50 To 100, Add</i>	2.94	
<i>For &gt;500 To 1,000, Deduct</i>	-2.94	
<i>For &gt;1,000, Deduct</i>	-5.14	
32 16 13 19-0020 LF 3' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	34.84	
<i>For Up To 20, Add</i>	15.49	
<i>For &gt;20 To 50, Add</i>	8.60	
<i>For &gt;50 To 100, Add</i>	3.45	
<i>For &gt;500 To 1,000, Deduct</i>	-3.45	
<i>For &gt;1,000, Deduct</i>	-6.04	
32 16 13 19-0021 LF 3-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	40.23	
<i>For Up To 20, Add</i>	17.78	
<i>For &gt;20 To 50, Add</i>	9.86	
<i>For &gt;50 To 100, Add</i>	3.96	
<i>For &gt;500 To 1,000, Deduct</i>	-3.96	
<i>For &gt;1,000, Deduct</i>	-6.94	
32 16 13 19-0022 LF 4' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	45.61	
<i>For Up To 20, Add</i>	20.06	
<i>For &gt;20 To 50, Add</i>	11.13	
<i>For &gt;50 To 100, Add</i>	4.47	
<i>For &gt;500 To 1,000, Deduct</i>	-4.47	
<i>For &gt;1,000, Deduct</i>	-7.84	
32 16 13 19-0023 LF 5' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	54.28	
32 16 13 19-0024 LF 6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	62.62	
32 16 13 19-0025 SF >6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	10.43	
<i>For Up To 100, Add</i>	4.34	
<i>For &gt;100 To 250, Add</i>	2.39	
<i>For &gt;250 To 500, Add</i>	0.97	
<i>For &gt;2,500 To 5,000, Deduct</i>	-0.97	
<i>For &gt;5,000, Deduct</i>	-1.72	

<b>32</b>	<b>Exterior Improvements</b>
<b>32 10</b>	<b>Bases, Ballasts, and Paving</b>
<b>32 16</b>	<b>Curbs, Gutters, Sidewalks, and Driveways</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

### 32 16 13 23 Precast Concrete Curbs and Gutters (32 16 13)

CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 23-0001 LF Precast Concrete Curb <small>(32 16 13 23)</small>		
32 16 13 23-0002 LF 6" x 18" Precast Concrete Curb	41.49	9.33
32 16 13 23-0003 LF 6" x 18" Precast Concrete Curb, Radius	49.66	10.73
32 16 13 23-0004 LF 6" x 20" Precast Concrete Curb	44.11	9.33
32 16 13 23-0005 LF 6" x 20" Precast Concrete Curb, Radius	53.12	10.73
32 16 13 23-0006 LF 7" x 18" Precast Concrete Curb	45.30	9.33
32 16 13 23-0007 LF 7" x 18" Precast Concrete Curb, Radius	54.49	10.73
32 16 13 23-0008 LF 7" x 20" Precast Concrete Curb	48.26	9.33
32 16 13 23-0009 LF 7" x 20" Precast Concrete Curb, Radius	58.25	10.73

### 32 16 13 33 Asphalt Curbs (32 16 13)

CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 33-0001 LF Asphalt Curbs <small>(32 16 13 33)</small>		
32 16 13 33-0002 LF 6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain	12.26	5.15
32 16 13 33-0003 LF 8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain	13.78	5.73
32 16 13 33-0004 LF 8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain	15.19	6.30

### 32 16 13 43 Stone Curbs (32 16 13)

CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 43-0001 LF Remove And Reset Stone And Precast Curbing <small>(32 16 13 43)</small>		
Note: Includes storage and cleaning.		
32 16 13 43-0002 LF Removal And Resetting Of Stone Or Precast Curbing	34.74	
Note: Includes storage and cleaning.		

### 32 16 23 Sidewalks (32 16)

CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0001 SF Cast In Place Concrete Sidewalk <small>(32 16 23)</small>		
Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 03 31 13 00-0079 for buggies, 03 31 13 00-0086 for small quantity purchases, 03 31 13 00-0088 for delivery fee, 03 37 16 00-0001 for pumping with boom truck, 32 11 23 16-0001 for base course.		
32 16 23 00-0002 SF 4" Cast In Place Concrete Sidewalk	9.07	
For Up To 100, Add 3.88		
For >100 To 500, Add 1.10		
For >1,000 To 5,000, Deduct -0.64		
For >5,000, Deduct -1.42		
For Welded Wire Reinforcement, Add 0.96		
32 16 23 00-0003 SF 5" Cast In Place Concrete Sidewalk	9.87	
For Up To 100, Add 4.14		
For >100 To 500, Add 1.16		
For >1,000 To 5,000, Deduct -0.67		
For >5,000, Deduct -1.49		
For Welded Wire Reinforcement, Add 0.96		
32 16 23 00-0004 SF 6" Cast In Place Concrete Sidewalk	10.69	
For Up To 100, Add 4.40		
For >100 To 500, Add 1.23		
For >1,000 To 5,000, Deduct -0.69		
For >5,000, Deduct -1.57		
For Welded Wire Reinforcement, Add 0.96		
32 16 23 00-0005 SF 7" Cast In Place Concrete Sidewalk	12.45	
For Up To 100, Add 5.07		
For >100 To 500, Add 1.41		
For >1,000 To 5,000, Deduct -0.78		
For >5,000, Deduct -1.80		
For Welded Wire Reinforcement, Add 0.96		
32 16 23 00-0006 SF 8" Cast In Place Concrete Sidewalk	13.16	
For Up To 100, Add 5.29		
For >100 To 500, Add 1.46		
For >1,000 To 5,000, Deduct -0.80		
For >5,000, Deduct -1.86		
For Welded Wire Reinforcement, Add 0.96		
32 16 23 00-0007 SF For Exposed Aggregate Finish In Sidewalk	2.29	
32 16 23 00-0008 EA Finish Concrete Handicap Drop Section In Sidewalk	137.66	
Note: Excludes patterned (tactile) finish.		
32 16 23 00-0009 SY Bituminous Sidewalk <small>(32 16 23)</small>		
Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 32 11 23 16-0001 for base course.		
32 16 23 00-0010 SY 1" Bituminous Sidewalk	8.29	
For Up To 100, Add 3.15		
For >100 To 500, Add 0.85		
For >1,000 To 5,000, Deduct -0.43		
For >5,000, Deduct -0.85		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0011 SY 1-1/2" Bituminous Sidewalk.....	10.40	
For Up To 100, Add	3.90	
For >100 To 500, Add	1.04	
For >1,000 To 5,000, Deduct	-0.52	
For >5,000, Deduct	-1.04	
32 16 23 00-0012 SY 2" Bituminous Sidewalk.....	14.36	
For Up To 100, Add	5.20	
For >100 To 500, Add	1.36	
For >1,000 To 5,000, Deduct	-0.64	
For >5,000, Deduct	-1.36	
32 16 23 00-0013 SY 2-1/2" Bituminous Sidewalk.....	17.96	
For Up To 100, Add	6.48	
For >100 To 500, Add	1.70	
For >1,000 To 5,000, Deduct	-0.80	
For >5,000, Deduct	-1.70	
32 16 23 00-0014 SY 3" Bituminous Sidewalk.....	20.62	
For Up To 100, Add	7.31	
For >100 To 500, Add	1.89	
For >1,000 To 5,000, Deduct	-0.86	
For >5,000, Deduct	-1.89	
32 16 23 00-0015 SY 3-1/2" Bituminous Sidewalk.....	23.78	
For Up To 100, Add	8.32	
For >100 To 500, Add	2.14	
For >1,000 To 5,000, Deduct	-0.95	
For >5,000, Deduct	-2.14	

**32 16 43 Asphalt Dike (32 16)****32 16 43 00-0001 Asphalt Dike (32 16 43)**

32 16 43 00-0002 LF Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height.....	6.34	
32 16 43 00-0003 LF Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height.....	8.65	
32 16 43 00-0004 LF Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height.....	8.65	
32 16 43 00-0005 LF Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height.....	12.31	
32 16 43 00-0006 LF Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height.....	14.57	
32 16 43 00-0007 LF Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	3.44	
32 16 43 00-0008 LF Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back.....	8.95	
32 16 43 00-0009 LF Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back.....	13.84	
32 16 43 00-0010 LF CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height.....	6.34	
32 16 43 00-0011 LF CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	3.44	
32 16 43 00-0012 LF CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back.....	13.84	
32 16 43 00-0013 LF CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back.....	8.95	
32 16 43 00-0014 LF CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height.....	5.02	

**32 17 Paving Specialties (32 10)****32 17 13 Parking Bumpers (32 17)**

Note: Includes dowels set.

**32 17 13 16 Plastic Parking Bumpers (32 17 13)**

32 17 13 16-0001 EA 4" x 6" x 4' Recycled Plastic Wheel Stop.....	165.74	6.60
32 17 13 16-0002 EA 4" x 6" x 6' Recycled Plastic Wheel Stop.....	187.79	6.60

**32 17 13 19 Precast Concrete Parking Bumpers (32 17 13)**

32 17 13 19-0001 EA 6" x 8" x 4' Precast Concrete Wheel Stop With Dowels.....	46.31	19.87
32 17 13 19-0002 EA 6" x 6" x 6' Precast Concrete Wheel Stop With Dowels.....	53.53	19.87
32 17 13 19-0003 EA 6" x 8" x 6' Precast Concrete Wheel Stop With Dowels.....	54.57	19.87
32 17 13 19-0004 EA 6" x 10" x 6' Precast Concrete Wheel Stop With Dowels.....	56.72	19.87
32 17 13 19-0005 EA 8" x 4-1/2" x 6' Precast Concrete Wheel Stop With Dowels.....	53.53	19.87
32 17 13 19-0006 EA 8" x 13" x 6' Precast Concrete Wheel Stop With Dowels.....	65.36	19.87
32 17 13 19-0007 EA Removal And Relocation Of Precast Concrete Wheel Stop.....	31.79	
32 17 13 19-0008 EA Removal And Relocation Of Plastic Or Wood Wheel Stop.....	20.67	

**32 17 13 23 Rubber Parking Bumpers (32 17 13)**

32 17 13 23-0001 EA 3' Recycled Rubber Wheel Stop.....	29.55	6.60
32 17 13 23-0002 EA 4' Recycled Rubber Wheel Stop.....	34.62	6.60
32 17 13 23-0003 EA 5' Recycled Rubber Wheel Stop.....	36.64	6.60
32 17 13 23-0004 EA 6' Recycled Rubber Wheel Stop.....	39.68	6.60

**32 17 13 26 Wood Parking Bumpers (32 17 13)**

32 17 13 26-0001 LF 4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated.....	10.38	1.59
32 17 13 26-0002 LF 6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated.....	14.27	1.59

**32 17 16 Manufactured Traffic-Calming Devices (32 17)****32 17 16 00-0001 Modular Rubber Speed Tables (32 17 16)**

Note: 3" high flat topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 16 00-0002	SF	Up To 24' Road Width x 7' Run Modular Rubber Speed Table..... Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	63.08	
32 17 16 00-0003	SF	Up To 24' Road Width x 14' Run Modular Rubber Speed Table..... Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	55.11	
32 17 16 00-0004	SF	Up To 24' Road Width x 21' Run Modular Rubber Speed Table..... Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	51.78	
32 17 16 00-0005	SF	>24' To 30' Road Width x 7' Run Modular Rubber Speed Table..... Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	60.38	
32 17 16 00-0006	SF	>24' To 30' Road Width x 14' Run Modular Rubber Speed Table..... Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	53.15	
32 17 16 00-0007	SF	>24' To 30' Road Width x 21' Run Modular Rubber Speed Table..... Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	50.21	
32 17 16 00-0008	SF	>30' To 40' Road Width x 7' Run Modular Rubber Speed Table..... Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	57.70	
32 17 16 00-0009	SF	>30' To 40' Road Width x 14' Run Modular Rubber Speed Table..... Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	51.59	
32 17 16 00-0010	SF	>30' To 40' Road Width x 21' Run Modular Rubber Speed Table..... Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	48.91	
<b>32 17 16 00-0011</b>		<b>Asphalt Speed Table</b> <small>(32 17 16)</small> Note: Excludes pavement markings or reflectors.		
32 17 16 00-0012	LF	Up to 36" Wide Asphalt Speed Table With 3" Center Crown ..... Note: Tapered on edges to roadway.	33.53	
32 17 16 00-0013	LF	>36" To 48" Wide Asphalt Speed Table With 3" Center Crown ..... Note: Tapered on edges to roadway.	39.51	
32 17 16 00-0014	LF	Up to 36" Wide Asphalt Speed Table With 4" Center Crown ..... Note: Tapered on edges to roadway.	42.10	
32 17 16 00-0015	LF	>36" To 48" Wide Asphalt Speed Table With 4" Center Crown ..... Note: Tapered on edges to roadway.	49.66	
32 17 16 00-0016	LF	Up to 36" Wide Asphalt Speed Table With 6" Center Crown ..... Note: Tapered on edges to roadway.	51.65	
32 17 16 00-0017	LF	>36" To 48" Wide Asphalt Speed Table With 6" Center Crown ..... Note: Tapered on edges to roadway.	57.63	
<b>32 17 16 00-0018</b>		<b>Speed Bumps</b> <small>(32 17 16)</small> Note: Excludes pavement markings or reflectors.		
32 17 16 00-0019	LF	2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump .....	31.93	1.77
32 17 16 00-0020	LF	2-1/4" High x 12" Wide, Recycled Rubber Speed Bump .....	29.71	1.19
32 17 16 00-0021	LF	2-5/8" High x 12" Wide, Recycled Plastic Speed Bump .....	121.49	1.19
<b>32 17 23</b>		<b>Pavement Markings</b> <small>(32 17)</small>		
<b>32 17 23 13</b>		<b>Painted Pavement Markings</b> <small>(32 17 23)</small>		
<b>32 17 23 13-0001</b>		<b>Pavement Striping, Letters, Symbols And Markers For Roads</b> <small>(32 17 23 13)</small> Note: Includes primers, adhesive and glass beads where required. For broken line quantities use total lane length. Per Coat. See CSI section 01 74 16 00-0001 for protection for temporary markings and removable line mask tape.		
<b>32 17 23 13-0002</b>		<b>Epoxy Reflective Pavement Marking</b> <small>(32 17 23 13-0001)</small> Note: 15 mil thickness.		
32 17 23 13-0003	LF	Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping..... <i>For 20 Mil Thickness, Add</i> <i>For Up To 5,000 LF, Add</i> <i>For &gt;25,000 LF, Deduct</i> <i>For Broken Line, Deduct</i>	0.59 0.13 0.12 -0.09 -0.28	
32 17 23 13-0004	LF	Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping..... <i>For 20 Mil Thickness, Add</i> <i>For Up To 5,000 LF, Add</i> <i>For &gt;25,000 LF, Deduct</i> <i>For Broken Line, Deduct</i>	0.82 0.20 0.16 -0.12 -0.41	
32 17 23 13-0005	LF	Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping..... <i>For 20 Mil Thickness, Add</i> <i>For Up To 5,000 LF, Add</i> <i>For &gt;25,000 LF, Deduct</i> <i>For Broken Line, Deduct</i>	1.00 0.24 0.20 -0.15 -0.50	
32 17 23 13-0006	LF	Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping..... <i>For 20 Mil Thickness, Add</i> <i>For Up To 5,000 LF, Add</i> <i>For &gt;25,000 LF, Deduct</i> <i>For Broken Line, Deduct</i>	1.51 0.38 0.30 -0.23 -0.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0007 LF Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.94	
<i>For 20 Mil Thickness, Add</i>	0.25	
<i>For Up To 5,000 LF, Add</i>	0.19	
<i>For &gt;25,000 LF, Deduct</i>	-0.14	
<i>For Broken Line On One Side, Deduct</i>	-0.27	
<i>For Double Broken Line, Deduct</i>	-0.54	
32 17 23 13-0008 LF Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	1.35	
<i>For 20 Mil Thickness, Add</i>	0.37	
<i>For Up To 5,000 LF, Add</i>	0.27	
<i>For &gt;25,000 LF, Deduct</i>	-0.20	
<i>For Broken Line On One Side, Deduct</i>	-0.41	
<i>For Double Broken Line, Deduct</i>	-0.81	
32 17 23 13-0009 EA 6" High, Letter/Number, Epoxy Reflective Pavement Marking.....	3.93	
<i>For 20 Mil Thickness, Add</i>	0.41	
<i>For &lt;10, Add</i>	0.47	
<i>For &gt;50 To 100, Deduct</i>	-0.24	
<i>For &gt;100 To 200, Deduct</i>	-0.32	
<i>For &gt;200, Deduct</i>	-0.63	
32 17 23 13-0010 EA 12" High, Letter/Number, Epoxy Reflective Pavement Marking.....	7.57	
<i>For 20 Mil Thickness, Add</i>	1.17	
<i>For &lt;10, Add</i>	0.72	
<i>For &gt;50 To 100, Deduct</i>	-0.36	
<i>For &gt;100 To 200, Deduct</i>	-0.48	
<i>For &gt;200, Deduct</i>	-0.96	
32 17 23 13-0011 EA 24" High, Letter/Number, Epoxy Reflective Pavement Marking.....	12.84	
<i>For 20 Mil Thickness, Add</i>	2.03	
<i>For &lt;10, Add</i>	1.19	
<i>For &gt;50 To 100, Deduct</i>	-0.60	
<i>For &gt;100 To 200, Deduct</i>	-0.80	
<i>For &gt;200, Deduct</i>	-1.59	
32 17 23 13-0012 EA 36" High, Letter/Number, Epoxy Reflective Pavement Marking.....	24.48	
<i>For 20 Mil Thickness, Add</i>	3.66	
<i>For &lt;10, Add</i>	2.38	
<i>For &gt;50 To 100, Deduct</i>	-1.19	
<i>For &gt;100 To 200, Deduct</i>	-1.59	
<i>For &gt;200, Deduct</i>	-3.18	
32 17 23 13-0013 EA 48" High, Letter/Number, Epoxy Reflective Pavement Marking.....	29.00	
<i>For 20 Mil Thickness, Add</i>	4.62	
<i>For &lt;10, Add</i>	2.67	
<i>For &gt;50 To 100, Deduct</i>	-1.34	
<i>For &gt;100 To 200, Deduct</i>	-1.78	
<i>For &gt;200, Deduct</i>	-3.56	
32 17 23 13-0014 EA 72" High, Letter/Number, Epoxy Reflective Pavement Marking.....	52.12	
<i>For 20 Mil Thickness, Add</i>	8.39	
<i>For &lt;10, Add</i>	4.76	
<i>For &gt;50 To 100, Deduct</i>	-2.38	
<i>For &gt;100 To 200, Deduct</i>	-3.17	
<i>For &gt;200, Deduct</i>	-6.34	
32 17 23 13-0015 EA 96" High, Letter/Number, Epoxy Reflective Pavement Marking.....	69.44	
<i>For 20 Mil Thickness, Add</i>	11.08	
<i>For &lt;10, Add</i>	6.39	
<i>For &gt;50 To 100, Deduct</i>	-3.19	
<i>For &gt;100 To 200, Deduct</i>	-4.26	
<i>For &gt;200, Deduct</i>	-8.51	
32 17 23 13-0016 EA 120" High, Letter/Number, Epoxy Reflective Pavement Marking.....	112.71	
<i>For 20 Mil Thickness, Add</i>	22.63	
<i>For &lt;10, Add</i>	7.91	
<i>For &gt;50 To 100, Deduct</i>	-3.96	
<i>For &gt;100 To 200, Deduct</i>	-5.27	
<i>For &gt;200, Deduct</i>	-10.55	
32 17 23 13-0017 SF Letter/Number, Epoxy Reflective Pavement Marking.....	6.71	
<i>For 20 Mil Thickness, Add</i>	0.88	
32 17 23 13-0018 SY Cross Hatch, Epoxy Reflective Pavement Marking.....	56.59	
32 17 23 13-0019 SF Symbols, Epoxy Reflective Pavement Marking.....	8.33	
Note: Handicap, railroad, diamond, arrows, etc.		
<b>32 17 23 13-0020 Painted Reflective Pavement Marking (32 17 23 13-0001)</b>		
Note: 15 mil thickness.		
32 17 23 13-0021 LF Single 4" Wide Solid Line, Painted Reflective Pavement Striping.....	0.30	
<i>For Up To 5,000 LF, Add</i>	0.06	
<i>For &gt;25,000 LF, Deduct</i>	-0.05	
<i>For Broken Line, Deduct</i>	-0.06	
32 17 23 13-0022 LF Single 6" Wide Solid Line, Painted Reflective Pavement Striping.....	0.38	
<i>For Up To 5,000 LF, Add</i>	0.08	
<i>For &gt;25,000 LF, Deduct</i>	-0.06	
<i>For Broken Line, Deduct</i>	-0.08	
32 17 23 13-0023 LF Single 8" Wide Solid Line, Painted Reflective Pavement Striping.....	0.48	
<i>For Up To 5,000 LF, Add</i>	0.10	
<i>For &gt;25,000 LF, Deduct</i>	-0.07	
<i>For Broken Line, Deduct</i>	-0.11	
32 17 23 13-0024 LF Single 12" Wide Solid Line, Painted Reflective Pavement Striping.....	0.65	
<i>For Up To 5,000 LF, Add</i>	0.13	
<i>For &gt;25,000 LF, Deduct</i>	-0.10	
<i>For Broken Line, Deduct</i>	-0.16	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0025	LF		Double 4" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.43	
			<i>For Up To 5,000 LF, Add</i>	0.09	
			<i>For &gt;25,000 LF, Deduct</i>	-0.06	
			<i>For Broken Line On One Side, Deduct</i>	-0.05	
			<i>For Double Broken Line, Deduct</i>	-0.11	
32 17 23 13-0026	LF		Double 6" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.65	
			<i>For Up To 5,000 LF, Add</i>	0.13	
			<i>For &gt;25,000 LF, Deduct</i>	-0.10	
			<i>For Broken Line On One Side, Deduct</i>	-0.08	
			<i>For Double Broken Line, Deduct</i>	-0.16	
32 17 23 13-0027	SF		Solid Area, Painted Reflective Pavement Striping.....	4.83	
			Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0028	SF		Letter/Number, Painted Reflective Pavement Marking.....	5.85	
32 17 23 13-0029	SY		Cross Hatch, Painted Reflective Pavement Marking.....	6.25	
32 17 23 13-0030	SF		Symbols, Painted Reflective Pavement Marking.....	6.93	
			Note: Handicap, railroad, diamond, arrows, etc.		
<b>32 17 23 13-0031</b>			<b>Painted Reflective Pavement Marking (CALTRANS)</b> <small>(32 17 23 13-0001)</small>		
			Note: Per LF of detail.		
32 17 23 13-0032	LF		CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping.....	0.24	
			<i>For Up To 5,000 LF, Add</i>	0.05	
			<i>For &gt;25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0033	LF		CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping.....	0.37	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0034	LF		CALTRANS Detail 4 Centerline.....	0.67	
			<i>For Up To 5,000 LF, Add</i>	0.13	
			<i>For &gt;25,000 LF, Deduct</i>	-0.10	
32 17 23 13-0035	LF		CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping.....	0.24	
			<i>For Up To 5,000 LF, Add</i>	0.05	
			<i>For &gt;25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0036	LF		CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping.....	0.37	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0037	LF		CALTRANS Detail 7 Centerline.....	0.49	
			<i>For Up To 5,000 LF, Add</i>	0.10	
			<i>For &gt;25,000 LF, Deduct</i>	-0.07	
32 17 23 13-0038	LF		CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping.....	0.24	
			<i>For Up To 5,000 LF, Add</i>	0.05	
			<i>For &gt;25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0039	LF		CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping.....	0.37	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0040	LF		CALTRANS Detail 10 Lanelines.....	0.67	
			<i>For Up To 5,000 LF, Add</i>	0.13	
			<i>For &gt;25,000 LF, Deduct</i>	-0.10	
32 17 23 13-0041	LF		CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping.....	0.24	
			<i>For Up To 5,000 LF, Add</i>	0.05	
			<i>For &gt;25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0042	LF		CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping.....	0.36	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For &gt;25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0043	LF		CALTRANS Detail 13 Lanelines.....	0.49	
			<i>For Up To 5,000 LF, Add</i>	0.10	
			<i>For &gt;25,000 LF, Deduct</i>	-0.07	
32 17 23 13-0044	LF		CALTRANS Detail 14 Lanelines.....	0.49	
			<i>For Up To 5,000 LF, Add</i>	0.10	
			<i>For &gt;25,000 LF, Deduct</i>	-0.07	
32 17 23 13-0045	LF		CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping.....	0.36	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For &gt;25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0046	LF		CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.33	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For &gt;25,000 LF, Deduct</i>	-0.05	
			<i>For Broken Line On One Side, Deduct</i>	-0.04	
			<i>For Double Broken Line, Deduct</i>	-0.08	
32 17 23 13-0047	LF		CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.83	
			<i>For Up To 5,000 LF, Add</i>	0.17	
			<i>For &gt;25,000 LF, Deduct</i>	-0.12	
32 17 23 13-0048	LF		CALTRANS Detail 17 No Passing Zones-One Direction Lanelines.....	1.97	
			<i>For Up To 5,000 LF, Add</i>	0.39	
			<i>For &gt;25,000 LF, Deduct</i>	-0.30	
32 17 23 13-0049	LF		CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.33	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For &gt;25,000 LF, Deduct</i>	-0.05	
			<i>For Broken Line On One Side, Deduct</i>	-0.04	
			<i>For Double Broken Line, Deduct</i>	-0.08	
32 17 23 13-0050	LF		CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.70	
			<i>For Up To 5,000 LF, Add</i>	0.14	
			<i>For &gt;25,000 LF, Deduct</i>	-0.11	
32 17 23 13-0051	LF		CALTRANS Detail 20 No Passing Zones-One Direction Lanelines.....	1.66	
			<i>For Up To 5,000 LF, Add</i>	0.33	
			<i>For &gt;25,000 LF, Deduct</i>	-0.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0052 LF CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping.....	0.39	
<i>For Up To 5,000 LF, Add</i>	0.08	
<i>For &gt;25,000 LF, Deduct</i>	-0.06	
<i>For Broken Line On One Side, Deduct</i>	-0.06	
<i>For Double Broken Line, Deduct</i>	-0.13	
32 17 23 13-0053 LF CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping.....	0.89	
<i>For Up To 5,000 LF, Add</i>	0.18	
<i>For &gt;25,000 LF, Deduct</i>	-0.13	
32 17 23 13-0054 LF CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines.....	2.33	
<i>For Up To 5,000 LF, Add</i>	0.47	
<i>For &gt;25,000 LF, Deduct</i>	-0.35	
32 17 23 13-0055 LF CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping.....	0.30	
<i>For Up To 5,000 LF, Add</i>	0.06	
<i>For &gt;25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0056 LF CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping.....	0.43	
<i>For Up To 5,000 LF, Add</i>	0.09	
<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0057 LF CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping .....	0.56	
<i>For Up To 5,000 LF, Add</i>	0.11	
<i>For &gt;25,000 LF, Deduct</i>	-0.08	
32 17 23 13-0058 LF CALTRANS Detail 26 Left Edgelines.....	0.12	
<i>For Up To 5,000 LF, Add</i>	0.02	
<i>For &gt;25,000 LF, Deduct</i>	-0.02	
32 17 23 13-0059 LF CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping.....	0.51	
<i>For Up To 5,000 LF, Add</i>	0.10	
<i>For &gt;25,000 LF, Deduct</i>	-0.08	
32 17 23 13-0060 LF CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping .....	0.30	
<i>For Up To 5,000 LF, Add</i>	0.06	
<i>For &gt;25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0061 LF CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping .....	0.24	
<i>For Up To 5,000 LF, Add</i>	0.05	
<i>For &gt;25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0062 LF CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping .....	0.78	
<i>For Up To 5,000 LF, Add</i>	0.16	
<i>For &gt;25,000 LF, Deduct</i>	-0.12	
<i>For Broken Line On One Side, Deduct</i>	-0.13	
<i>For Double Broken Line, Deduct</i>	-0.26	
32 17 23 13-0063 LF CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping .....	1.28	
<i>For Up To 5,000 LF, Add</i>	0.26	
<i>For &gt;25,000 LF, Deduct</i>	-0.19	
32 17 23 13-0064 LF CALTRANS Detail 30 Median Islands .....	4.68	
<i>For Up To 5,000 LF, Add</i>	0.94	
<i>For &gt;25,000 LF, Deduct</i>	-0.70	
32 17 23 13-0065 LF CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping .....	0.65	
<i>For Up To 5,000 LF, Add</i>	0.13	
<i>For &gt;25,000 LF, Deduct</i>	-0.10	
<i>For Broken Line On One Side, Deduct</i>	-0.08	
<i>For Double Broken Line, Deduct</i>	-0.16	
32 17 23 13-0066 LF CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping .....	1.27	
<i>For Up To 5,000 LF, Add</i>	0.25	
<i>For &gt;25,000 LF, Deduct</i>	-0.19	
32 17 23 13-0067 LF CALTRANS Detail 33 Two-Way Left Turn Lanes .....	3.20	
<i>For Up To 5,000 LF, Add</i>	0.64	
<i>For &gt;25,000 LF, Deduct</i>	-0.48	
32 17 23 13-0068 LF CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping.....	0.70	
<i>For Up To 5,000 LF, Add</i>	0.14	
<i>For &gt;25,000 LF, Deduct</i>	-0.11	
32 17 23 13-0069 LF CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping.....	0.33	
<i>For Up To 5,000 LF, Add</i>	0.07	
<i>For &gt;25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0070 LF CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping.....	0.84	
<i>For Up To 5,000 LF, Add</i>	0.17	
<i>For &gt;25,000 LF, Deduct</i>	-0.13	
32 17 23 13-0071 LF CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping.....	0.33	
<i>For Up To 5,000 LF, Add</i>	0.07	
<i>For &gt;25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0072 LF CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping .....	1.47	
<i>For Up To 5,000 LF, Add</i>	0.29	
<i>For &gt;25,000 LF, Deduct</i>	-0.22	
32 17 23 13-0073 LF CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping.....	0.95	
<i>For Up To 5,000 LF, Add</i>	0.19	
<i>For &gt;25,000 LF, Deduct</i>	-0.14	
32 17 23 13-0074 LF CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping .....	1.03	
<i>For Up To 5,000 LF, Add</i>	0.21	
<i>For &gt;25,000 LF, Deduct</i>	-0.15	
32 17 23 13-0075 LF CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping.....	0.90	
<i>For Up To 5,000 LF, Add</i>	0.18	
<i>For &gt;25,000 LF, Deduct</i>	-0.14	
32 17 23 13-0076 LF CALTRANS Detail 37A Lane Drop At Exit Ramps.....	1.57	
<i>For Up To 5,000 LF, Add</i>	0.31	
<i>For &gt;25,000 LF, Deduct</i>	-0.24	
32 17 23 13-0077 LF CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping.....	0.90	
<i>For Up To 5,000 LF, Add</i>	0.18	
<i>For &gt;25,000 LF, Deduct</i>	-0.14	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0078	LF		CALTRANS Detail 37C Lane Drop At Intersections.....	1.57	
			For Up To 5,000 LF, Add	0.31	
			For >25,000 LF, Deduct	-0.24	
32 17 23 13-0079	LF		CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping .....	0.86	
			For Up To 5,000 LF, Add	0.17	
			For >25,000 LF, Deduct	-0.13	
32 17 23 13-0080	LF		CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping.....	0.61	
			For Up To 5,000 LF, Add	0.12	
			For >25,000 LF, Deduct	-0.09	
32 17 23 13-0081	LF		CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping.....	1.13	
			For Up To 5,000 LF, Add	0.23	
			For >25,000 LF, Deduct	-0.17	
32 17 23 13-0082	LF		CALTRANS Detail 38C Channelizing Line.....	2.33	
			For Up To 5,000 LF, Add	0.47	
			For >25,000 LF, Deduct	-0.35	
32 17 23 13-0083	LF		CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping .....	0.38	
			For Up To 5,000 LF, Add	0.08	
			For >25,000 LF, Deduct	-0.06	
32 17 23 13-0084	LF		CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping .....	0.31	
			For Up To 5,000 LF, Add	0.06	
			For >25,000 LF, Deduct	-0.05	
32 17 23 13-0085	LF		CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping .....	0.23	
			For Up To 5,000 LF, Add	0.05	
			For >25,000 LF, Deduct	-0.03	
32 17 23 13-0086	LF		CALTRANS Detail 40A Lane Line Extensions Through Intersections.....	1.10	
			For Up To 5,000 LF, Add	0.22	
			For >25,000 LF, Deduct	-0.17	
32 17 23 13-0087	LF		CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping .....	0.23	
			For Up To 5,000 LF, Add	0.05	
			For >25,000 LF, Deduct	-0.03	
32 17 23 13-0088	LF		CALTRANS Detail 41A Center Line Extensions Through Intersections.....	1.10	
			For Up To 5,000 LF, Add	0.22	
			For >25,000 LF, Deduct	-0.17	
32 17 23 13-0089	EA		CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking .....	92.64	
			For <10, Add	11.57	
			For >50 To 100, Deduct	-5.78	
			For >100 To 200, Deduct	-7.71	
			For >200, Deduct	-15.42	
32 17 23 13-0090	EA		CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking .....	162.68	
			For <10, Add	20.24	
			For >50 To 100, Deduct	-10.12	
			For >100 To 200, Deduct	-13.50	
			For >200, Deduct	-26.99	
32 17 23 13-0091	EA		CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking .....	204.04	
			For <10, Add	25.45	
			For >50 To 100, Deduct	-12.72	
			For >100 To 200, Deduct	-16.97	
			For >200, Deduct	-33.93	
32 17 23 13-0092	EA		CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking .....	296.68	
			For <10, Add	37.02	
			For >50 To 100, Deduct	-18.51	
			For >100 To 200, Deduct	-24.68	
			For >200, Deduct	-49.36	
32 17 23 13-0093	EA		CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking .....	389.33	
			For <10, Add	48.59	
			For >50 To 100, Deduct	-24.29	
			For >100 To 200, Deduct	-32.39	
			For >200, Deduct	-64.78	
32 17 23 13-0094	EA		CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking.....	274.08	
			For <10, Add	34.13	
			For >50 To 100, Deduct	-17.06	
			For >100 To 200, Deduct	-22.75	
			For >200, Deduct	-45.50	
32 17 23 13-0095	EA		CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking.....	478.11	
			For <10, Add	59.57	
			For >50 To 100, Deduct	-29.79	
			For >100 To 200, Deduct	-39.72	
			For >200, Deduct	-79.43	
32 17 23 13-0096	EA		CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking .....	97.61	
			For <10, Add	12.15	
			For >50 To 100, Deduct	-6.07	
			For >100 To 200, Deduct	-8.10	
			For >200, Deduct	-16.20	
32 17 23 13-0097	EA		CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking.....	213.97	
			For <10, Add	26.61	
			For >50 To 100, Deduct	-13.30	
			For >100 To 200, Deduct	-17.74	
			For >200, Deduct	-35.47	
32 17 23 13-0098	EA		CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking.....	274.08	
			For <10, Add	34.13	
			For >50 To 100, Deduct	-17.06	
			For >100 To 200, Deduct	-22.75	
			For >200, Deduct	-45.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0099 EA CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking.....	176.65	
<i>For &lt;10, Add</i>	21.98	
<i>For &gt;50 To 100, Deduct</i>	-10.99	
<i>For &gt;100 To 200, Deduct</i>	-14.65	
<i>For &gt;200, Deduct</i>	-29.31	
32 17 23 13-0100 EA CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking.....	232.72	
<i>For &lt;10, Add</i>	28.92	
<i>For &gt;50 To 100, Deduct</i>	-14.46	
<i>For &gt;100 To 200, Deduct</i>	-19.28	
<i>For &gt;200, Deduct</i>	-38.56	
32 17 23 13-0101 EA CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking .....	46.32	
<i>For &lt;10, Add</i>	5.78	
<i>For &gt;50 To 100, Deduct</i>	-2.89	
<i>For &gt;100 To 200, Deduct</i>	-3.86	
<i>For &gt;200, Deduct</i>	-7.71	
32 17 23 13-0102 EA CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking.....	443.95	
Note: Excludes variable width transverse lines.		
<i>For &lt;10, Add</i>	54.95	
<i>For &gt;50 To 100, Deduct</i>	-27.47	
<i>For &gt;100 To 200, Deduct</i>	-36.63	
<i>For &gt;200, Deduct</i>	-73.26	
32 17 23 13-0103 SF CALTRANS Solid Area, Painted Reflective Pavement Marking.....	5.82	
32 17 23 13-0104 EA CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking.....	46.66	
Note: Approximate overall dimensions: 4' width x 8' height.		
<i>For &lt;10, Add</i>	4.16	
<i>For &gt;50 To 100, Deduct</i>	-2.08	
<i>For &gt;100 To 200, Deduct</i>	-2.78	
<i>For &gt;200, Deduct</i>	-5.55	
32 17 23 13-0105 EA CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking.....	49.49	
Note: Approximate overall dimensions: 4' width x 8' height.		
<i>For &lt;10, Add</i>	4.40	
<i>For &gt;50 To 100, Deduct</i>	-2.20	
<i>For &gt;100 To 200, Deduct</i>	-2.93	
<i>For &gt;200, Deduct</i>	-5.86	
32 17 23 13-0106 EA CALTRANS Diamond Symbol, Painted Reflective Pavement Marking.....	73.90	
<i>For &lt;10, Add</i>	9.26	
<i>For &gt;50 To 100, Deduct</i>	-4.63	
<i>For &gt;100 To 200, Deduct</i>	-6.17	
<i>For &gt;200, Deduct</i>	-12.34	
32 17 23 13-0107 EA CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking .....	150.44	
<i>For &lt;10, Add</i>	18.74	
<i>For &gt;50 To 100, Deduct</i>	-9.37	
<i>For &gt;100 To 200, Deduct</i>	-12.49	
<i>For &gt;200, Deduct</i>	-24.99	
32 17 23 13-0108 EA CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking.....	31.45	
Note: Approximate overall dimensions: 4' width x 8' height.		
<i>For &lt;10, Add</i>	4.40	
<i>For &gt;50 To 100, Deduct</i>	-2.20	
<i>For &gt;100 To 200, Deduct</i>	-2.93	
<i>For &gt;200, Deduct</i>	-5.86	
32 17 23 13-0109 SF CALTRANS Letter/Number, Painted Reflective Pavement Marking .....	5.89	
32 17 23 13-0110 SF CALTRANS Symbols, Painted Reflective Pavement Marking .....	6.51	
Note: Handicap, railroad, diamond, arrows, etc.		
<b>32 17 23 13-0111 Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 13)</b>		
Note: Includes primers. Per Coat.		
<b>32 17 23 13-0112 Painted Pavement Marking For Parking Areas (32 17 23 13-0111)</b>		
Note: 15 mil thickness.		
32 17 23 13-0113 LF Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.10	
32 17 23 13-0114 LF Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.20	
32 17 23 13-0115 LF Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.28	
32 17 23 13-0116 LF Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.44	
32 17 23 13-0117 EA 6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	3.50	
<i>For Up To 10, Add</i>	0.46	
<i>For &gt;50 To 100, Deduct</i>	-0.23	
<i>For &gt;100 To 200, Deduct</i>	-0.31	
<i>For &gt;200, Deduct</i>	-0.62	
32 17 23 13-0118 EA 12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	6.12	
<i>For Up To 10, Add</i>	0.69	
<i>For &gt;50 To 100, Deduct</i>	-0.35	
<i>For &gt;100 To 200, Deduct</i>	-0.46	
<i>For &gt;200, Deduct</i>	-0.92	
32 17 23 13-0119 EA 24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	10.33	
<i>For Up To 10, Add</i>	1.16	
<i>For &gt;50 To 100, Deduct</i>	-0.58	
<i>For &gt;100 To 200, Deduct</i>	-0.77	
<i>For &gt;200, Deduct</i>	-1.54	
32 17 23 13-0120 EA 36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	19.26	
<i>For Up To 10, Add</i>	2.20	
<i>For &gt;50 To 100, Deduct</i>	-1.10	
<i>For &gt;100 To 200, Deduct</i>	-1.47	
<i>For &gt;200, Deduct</i>	-2.93	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0121	EA		42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	25.35	
			<i>For Up To 10, Add</i>	3.01	
			<i>For &gt;50 To 100, Deduct</i>	-1.50	
			<i>For &gt;100 To 200, Deduct</i>	-2.01	
			<i>For &gt;200, Deduct</i>	-4.01	
32 17 23 13-0122	EA		48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas .....	30.67	
			<i>For Up To 10, Add</i>	3.70	
			<i>For &gt;50 To 100, Deduct</i>	-1.85	
			<i>For &gt;100 To 200, Deduct</i>	-2.47	
			<i>For &gt;200, Deduct</i>	-4.94	
32 17 23 13-0123	EA		72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas .....	41.78	
			<i>For Up To 10, Add</i>	4.63	
			<i>For &gt;50 To 100, Deduct</i>	-2.31	
			<i>For &gt;100 To 200, Deduct</i>	-3.08	
			<i>For &gt;200, Deduct</i>	-6.17	
32 17 23 13-0124	EA		Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	78.86	
			Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0125	EA		Turn Lane Arrow, Painted Pavement Marking For Parking Areas.....	92.34	
			Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0126	EA		Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas .....	136.75	
			Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0127	EA		Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	139.86	
			Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0128	EA		Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	187.02	
			Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0129	EA		Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas .....	30.51	
			Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
			<i>For Blue Background With White Symbol, Add</i>	25.34	
			<i>For Blue Background With White Symbol And Border, Add</i>	31.68	
32 17 23 13-0130	EA		Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas.....	47.37	
			Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.		
			<i>For Blue Background With White Symbol, Add</i>	54.72	
			<i>For Blue Background With White Symbol And Border, Add</i>	68.41	
<b>32 17 23 13-0131</b>			<b>Painted Curbs</b> <small>(32 17 23 13)</small>		
			Note: All colors.		
32 17 23 13-0132	LF		Reflective Painted Curb .....	2.79	
32 17 23 13-0133	LF		Reflective Painted Curb And Gutter .....	5.34	
32 17 23 13-0134	LF		Painted Curb .....	2.26	
32 17 23 13-0135	LF		Painted Curb And Gutter.....	4.89	
<b>32 17 23 13-0136</b>			<b>Markings For Outdoor Play Areas, Courts</b> <small>(32 17 23 13)</small>		
32 17 23 13-0137	LF		2" Wide Marking For Outdoor Play Areas .....	0.93	
32 17 23 13-0138	LF		3" Wide Marking For Outdoor Play Areas .....	1.04	
32 17 23 13-0139	LF		4" Wide Marking For Outdoor Play Areas .....	1.17	
32 17 23 13-0140	LF		6" Wide Marking For Outdoor Play Areas .....	1.39	
32 17 23 13-0141	EA		Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera).....	230.31	
<b>32 17 23 23</b>			<b>Raised Pavement Markings</b> <small>(32 17 23)</small>		
<b>32 17 23 23-0001</b>			<b>Raised Pavement Markers (RPMs)</b> <small>(32 17 23 23)</small>		
32 17 23 23-0002	EA		One-Way Reflective, Raised Pavement Marker (RPM) .....	5.72	2.41
			Note: Type G, H or R		
			<i>For &gt;100, Deduct</i>	-0.57	
32 17 23 23-0003	EA		Two-Way Reflective, Raised Pavement Marker (RPM) .....	6.05	2.41
			Note: Type B, C, D, AC, RA or RR		
			<i>For &gt;100, Deduct</i>	-0.61	
32 17 23 23-0004	EA		4" Diameter, Round Reflective, Raised Pavement Marker (RPM) .....	6.72	2.41
			<i>For &gt;100, Deduct</i>	-0.67	
32 17 23 23-0005	EA		4" Diameter, Non-Reflective, Raised Pavement Marker (RPM) .....	5.29	2.41
			Note: Type A or AY		
			<i>For &gt;100, Deduct</i>	-0.53	
<b>32 17 23 23-0006</b>			<b>Snowplowable Pavement Markers</b> <small>(32 17 23 23)</small>		
32 17 23 23-0007	EA		One-Way Reflective, Snowplowable Pavement Marker With Center Rail.....	69.18	29.07
			Note: Type G, H or R		
32 17 23 23-0008	EA		Two-Way Reflective, Snowplowable Pavement Marker With Center Rail.....	69.47	29.07
			Note: Type B, C, D, AC, RA or RR		
32 17 23 23-0009	EA		Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker .....	18.77	
32 17 23 23-0010	EA		Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker .....	23.90	
<b>32 17 23 33</b>			<b>Plastic Pavement Markings</b> <small>(32 17 23)</small>		
<b>32 17 23 33-0001</b>			<b>Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads</b> <small>(32 17 23 33)</small>		
			Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 17 23 33-0002 Thermoplastic Reflective Pavement Marking</b> <small>(32 17 23 33-0001)</small>		
<i>Note: 90 mil thickness.</i>		
32 17 23 33-0003 LF Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....	1.31	
<i>For Up To 5,000 LF, Add</i>	0.26	
<i>For &gt;25,000 LF, Deduct</i>	-0.20	
<i>For 60 mils Thick, Deduct</i>	-0.18	
<i>For 125 mils Thick, Add</i>	0.23	
<i>For Broken Line, Deduct</i>	-0.77	
32 17 23 33-0004 LF Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....	1.88	
<i>Note: Includes yellow or white.</i>		
<i>For Up To 5,000 LF, Add</i>	0.38	
<i>For &gt;25,000 LF, Deduct</i>	-0.28	
<i>For 60 mils Thick, Deduct</i>	-0.27	
<i>For 125 mils Thick, Add</i>	0.34	
<i>For Broken Line, Deduct</i>	-1.15	
32 17 23 33-0005 LF Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....	2.49	
<i>Note: Includes yellow or white.</i>		
<i>For Up To 5,000 LF, Add</i>	0.50	
<i>For &gt;25,000 LF, Deduct</i>	-0.37	
<i>For 60 mils Thick, Deduct</i>	-0.36	
<i>For 125 mils Thick, Add</i>	0.46	
<i>For Broken Line, Deduct</i>	-1.53	
32 17 23 33-0006 LF Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....	3.64	
<i>Note: Includes yellow or white.</i>		
<i>For Up To 5,000 LF, Add</i>	0.73	
<i>For &gt;25,000 LF, Deduct</i>	-0.55	
<i>For 60 mils Thick, Deduct</i>	-0.54	
<i>For 125 mils Thick, Add</i>	0.69	
<i>For Broken Line, Deduct</i>	-2.30	
32 17 23 33-0007 LF Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....	2.48	
<i>Note: Includes yellow or white.</i>		
<i>For Up To 5,000 LF, Add</i>	0.50	
<i>For &gt;25,000 LF, Deduct</i>	-0.37	
<i>For 60 mils Thick, Deduct</i>	-0.36	
<i>For 125 mils Thick, Add</i>	0.46	
<i>For Broken Line On One Side, Deduct</i>	-0.77	
<i>For Double Broken Line, Deduct</i>	-1.53	
32 17 23 33-0008 LF Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....	3.64	
<i>Note: Includes yellow or white.</i>		
<i>For Up To 5,000 LF, Add</i>	0.73	
<i>For &gt;25,000 LF, Deduct</i>	-0.55	
<i>For 60 mils Thick, Deduct</i>	-0.54	
<i>For 125 mils Thick, Add</i>	0.69	
<i>For Broken Line On One Side, Deduct</i>	-1.15	
<i>For Double Broken Line, Deduct</i>	-2.30	
32 17 23 33-0009 SF Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	7.66	
<i>Note: Includes yellow or white.</i>		
<i>For 60 mils Thick, Deduct</i>	-0.53	
<i>For 125 mils Thick, Add</i>	0.68	
32 17 23 33-0010 EA 6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	5.03	
<i>For Up To 10, Add</i>	0.52	
<i>For &gt;50 To 100, Deduct</i>	-0.26	
<i>For &gt;100 To 200, Deduct</i>	-0.35	
<i>For &gt;200, Deduct</i>	-0.69	
<i>For 60 mils Thick, Deduct</i>	-0.27	
<i>For 125 mils Thick, Add</i>	0.35	
32 17 23 33-0011 EA 12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	10.87	
<i>For Up To 10, Add</i>	0.79	
<i>For &gt;50 To 100, Deduct</i>	-0.39	
<i>For &gt;100 To 200, Deduct</i>	-0.52	
<i>For &gt;200, Deduct</i>	-1.05	
<i>For 60 mils Thick, Deduct</i>	-0.99	
<i>For 125 mils Thick, Add</i>	1.27	
32 17 23 33-0012 EA 24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	18.56	
<i>For Up To 10, Add</i>	1.31	
<i>For &gt;50 To 100, Deduct</i>	-0.65	
<i>For &gt;100 To 200, Deduct</i>	-0.87	
<i>For &gt;200, Deduct</i>	-1.74	
<i>For 60 mils Thick, Deduct</i>	-1.72	
<i>For 125 mils Thick, Add</i>	2.22	
32 17 23 33-0013 EA 36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	34.82	
<i>For Up To 10, Add</i>	2.63	
<i>For &gt;50 To 100, Deduct</i>	-1.31	
<i>For &gt;100 To 200, Deduct</i>	-1.75	
<i>For &gt;200, Deduct</i>	-3.50	
<i>For 60 mils Thick, Deduct</i>	-3.03	
<i>For 125 mils Thick, Add</i>	3.89	
32 17 23 33-0014 EA 48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	42.09	
<i>For Up To 10, Add</i>	2.94	
<i>For &gt;50 To 100, Deduct</i>	-1.47	
<i>For &gt;100 To 200, Deduct</i>	-1.96	
<i>For &gt;200, Deduct</i>	-3.92	
<i>For 60 mils Thick, Deduct</i>	-3.94	
<i>For 125 mils Thick, Add</i>	5.06	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0015	EA	72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	75.98		
		<i>For Up To 10, Add</i>	5.23		
		<i>For &gt;50 To 100, Deduct</i>	-2.61		
		<i>For &gt;100 To 200, Deduct</i>	-3.49		
		<i>For &gt;200, Deduct</i>	-6.97		
		<i>For 60 mils Thick, Deduct</i>	-7.20		
		<i>For 125 mils Thick, Add</i>	9.25		
32 17 23 33-0016	EA	96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	100.91		
		<i>For Up To 10, Add</i>	7.02		
		<i>For &gt;50 To 100, Deduct</i>	-3.51		
		<i>For &gt;100 To 200, Deduct</i>	-4.68		
		<i>For &gt;200, Deduct</i>	-9.36		
		<i>For 60 mils Thick, Deduct</i>	-9.47		
		<i>For 125 mils Thick, Add</i>	12.17		
32 17 23 33-0017	EA	120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	178.74		
		<i>For Up To 10, Add</i>	8.70		
		<i>For &gt;50 To 100, Deduct</i>	-4.35		
		<i>For &gt;100 To 200, Deduct</i>	-5.80		
		<i>For &gt;200, Deduct</i>	-11.60		
		<i>For 60 mils Thick, Deduct</i>	-21.13		
		<i>For 125 mils Thick, Add</i>	27.17		
32 17 23 33-0018	SF	Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	9.14		
		<i>For 60 mils Thick, Deduct</i>	-0.68		
		<i>For 125 mils Thick, Add</i>	0.88		
32 17 23 33-0019	SY	Cross Hatch, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	26.12		
		Note: Per SY of area.			
		<i>For 60 mils Thick, Deduct</i>	-1.20		
		<i>For 125 mils Thick, Add</i>	1.54		
32 17 23 33-0020	EA	Handicap Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	236.81		
		<i>For 60 mils Thick, Deduct</i>	-15.68		
		<i>For 125 mils Thick, Add</i>	20.16		
32 17 23 33-0021	EA	Railroad Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	704.52		
		<i>For 60 mils Thick, Deduct</i>	-47.72		
		<i>For 125 mils Thick, Add</i>	61.35		
32 17 23 33-0022	EA	Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	154.27		
		Note: Approximate overall dimensions: 4' width x 8' height.			
		<i>For 60 mils Thick, Deduct</i>	-21.60		
		<i>For 125 mils Thick, Add</i>	27.77		
32 17 23 33-0023	EA	Diamond Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	113.26		
		<i>For 60 mils Thick, Deduct</i>	-7.50		
		<i>For 125 mils Thick, Add</i>	9.64		
32 17 23 33-0024	SF	Symbols, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	10.30		
		Note: Handicap, railroad, diamond, arrows, etc.			
		<i>For 60 mils Thick, Deduct</i>	-0.68		
		<i>For 125 mils Thick, Add</i>	0.88		
32 17 23 33-0025	EA	10' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	144.14		
		<i>For 60 mils Thick, Deduct</i>	-9.54		
		<i>For 125 mils Thick, Add</i>	12.27		
32 17 23 33-0026	EA	18' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	257.40		
		<i>For 60 mils Thick, Deduct</i>	-17.04		
		<i>For 125 mils Thick, Add</i>	21.91		
32 17 23 33-0027	EA	24' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	319.18		
		<i>For 60 mils Thick, Deduct</i>	-21.13		
		<i>For 125 mils Thick, Add</i>	27.17		
32 17 23 33-0028	EA	24' Arrow With Single (L or R) Turn Arrow, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	463.31		
		<i>For 60 mils Thick, Deduct</i>	-30.67		
		<i>For 125 mils Thick, Add</i>	39.44		
32 17 23 33-0029	EA	24' Arrow With Both (L and R) Turn Arrows, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	607.46		
		<i>For 60 mils Thick, Deduct</i>	-40.22		
		<i>For 125 mils Thick, Add</i>	51.71		
32 17 23 33-0030	EA	24' Arrow Single (L or R) Turn Arrow, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	432.42		
		<i>For 60 mils Thick, Deduct</i>	-28.63		
		<i>For 125 mils Thick, Add</i>	36.81		
32 17 23 33-0031	EA	24' Arrow Both (L and R) Turn Arrows, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	751.60		
		<i>For 60 mils Thick, Deduct</i>	-49.76		
		<i>For 125 mils Thick, Add</i>	63.98		
32 17 23 33-0032	EA	8' Turn Arrow (L or R), Type IV, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	154.45		
		<i>For 60 mils Thick, Deduct</i>	-10.23		
		<i>For 125 mils Thick, Add</i>	13.15		
32 17 23 33-0033	EA	24' Arrow, Type V, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	339.76		
		<i>For 60 mils Thick, Deduct</i>	-22.49		
		<i>For 125 mils Thick, Add</i>	28.92		
32 17 23 33-0034	EA	18' Arrow, Type VI, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	432.42		
		<i>For 60 mils Thick, Deduct</i>	-28.63		
		<i>For 125 mils Thick, Add</i>	36.81		
32 17 23 33-0035	EA	13' Arrow With Single (L or R) Turn Arrow, Type VII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	278.00		
		<i>For 60 mils Thick, Deduct</i>	-18.40		
		<i>For 125 mils Thick, Add</i>	23.66		
32 17 23 33-0036	EA	15' Arrow With Both (L and R) Turn Arrows, Type VIII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	370.65		
		<i>For 60 mils Thick, Deduct</i>	-24.54		
		<i>For 125 mils Thick, Add</i>	31.55		
32 17 23 33-0037	EA	5' Arrow, Bike Lane, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	72.08		
		<i>For 60 mils Thick, Deduct</i>	-4.77		
		<i>For 125 mils Thick, Add</i>	6.14		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0038			<b>Thermoplastic Reflective Pavement Striping By Hand For Repairs</b> (32 17 23 33-0001)		
32 17 23 33-0039	LF		Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs ..... 2.65 <i>For 60 mils Thick, Deduct</i> -0.18 <i>For 125 mils Thick, Add</i> 0.23		
32 17 23 33-0040	LF		Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs ..... 3.39 <i>For 60 mils Thick, Deduct</i> -0.27 <i>For 125 mils Thick, Add</i> 0.34		
32 17 23 33-0041	LF		Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs ..... 4.20 <i>For 60 mils Thick, Deduct</i> -0.36 <i>For 125 mils Thick, Add</i> 0.46		
32 17 23 33-0042	LF		Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs ..... 6.06 <i>For 60 mils Thick, Deduct</i> -0.54 <i>For 125 mils Thick, Add</i> 0.69		
32 17 23 33-0043	LF		Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs ..... 10.99 <i>For 60 mils Thick, Deduct</i> -1.07 <i>For 125 mils Thick, Add</i> 1.37		
32 17 23 33-0044			<b>Preformed, Patterned Reflective Pavement Marking Tape</b> (32 17 23 33-0001) Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Starmark 380 Series).		
32 17 23 33-0045	LF		Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping ..... 2.80 Note: Includes yellow or white. <i>For Up To 5,000 LF, Add</i> 0.56 <i>For &gt;25,000 LF, Deduct</i> -0.42		
32 17 23 33-0046	LF		Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping ..... 4.14 Note: Includes yellow or white. <i>For Up To 5,000 LF, Add</i> 0.83 <i>For &gt;25,000 LF, Deduct</i> -0.62		
32 17 23 33-0047	LF		Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping ..... 5.50 Note: Includes yellow or white. <i>For Up To 5,000 LF, Add</i> 1.10 <i>For &gt;25,000 LF, Deduct</i> -0.83		
32 17 23 33-0048	LF		Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping ..... 8.16 Note: Includes yellow or white. <i>For Up To 5,000 LF, Add</i> 1.63 <i>For &gt;25,000 LF, Deduct</i> -1.22		
32 17 23 33-0049	SF		Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape ..... 22.01 Note: Includes yellow or white.		
32 17 23 33-0050	EA		6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape ..... 32.77 <i>For &lt;10, Add</i> 0.95 <i>For &gt;50 To 100, Deduct</i> -0.47 <i>For &gt;100 To 200, Deduct</i> -0.63 <i>For &gt;200, Deduct</i> -1.26		
32 17 23 33-0051	EA		12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape ..... 58.36 <i>For &lt;10, Add</i> 1.20 <i>For &gt;50 To 100, Deduct</i> -0.60 <i>For &gt;100 To 200, Deduct</i> -0.80 <i>For &gt;200, Deduct</i> -1.60		
32 17 23 33-0052	EA		24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape ..... 99.92 <i>For &lt;10, Add</i> 2.38 <i>For &gt;50 To 100, Deduct</i> -1.19 <i>For &gt;100 To 200, Deduct</i> -1.59 <i>For &gt;200, Deduct</i> -3.18		
32 17 23 33-0053	EA		36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape ..... 142.85 <i>For &lt;10, Add</i> 4.77 <i>For &gt;50 To 100, Deduct</i> -2.38 <i>For &gt;100 To 200, Deduct</i> -3.18 <i>For &gt;200, Deduct</i> -6.35		
32 17 23 33-0054	EA		48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape ..... 167.70 <i>For &lt;10, Add</i> 5.34 <i>For &gt;50 To 100, Deduct</i> -2.67 <i>For &gt;100 To 200, Deduct</i> -3.56 <i>For &gt;200, Deduct</i> -7.13		
32 17 23 33-0055	EA		72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape ..... 211.85 <i>For &lt;10, Add</i> 9.51 <i>For &gt;50 To 100, Deduct</i> -4.76 <i>For &gt;100 To 200, Deduct</i> -6.34 <i>For &gt;200, Deduct</i> -12.68		
32 17 23 33-0056	EA		96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape ..... 269.42 <i>For &lt;10, Add</i> 12.77 <i>For &gt;50 To 100, Deduct</i> -6.39 <i>For &gt;100 To 200, Deduct</i> -8.51 <i>For &gt;200, Deduct</i> -17.03		
32 17 23 33-0057	EA		120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape ..... 337.90 <i>For &lt;10, Add</i> 15.83 <i>For &gt;50 To 100, Deduct</i> -7.91 <i>For &gt;100 To 200, Deduct</i> -10.55 <i>For &gt;200, Deduct</i> -21.10		
32 17 23 33-0058	SF		Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape ..... 22.63		
32 17 23 33-0059	SF		Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape ..... 23.79 Note: Handicap, railroad, diamond symbol, etc.		
32 17 23 33-0060			<b>Preformed, Thermoplastic Reflective Pavement Marking</b> (32 17 23 33-0001) Note: Heat applied. (Flint PreMark or HotTape Series).		

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0061 EA Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....319.84 Note: Approximate overall dimensions: 4' width x 8' height.	319.84	
32 17 23 33-0062 EA Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....848.68 Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	848.68	
32 17 23 33-0063 EA Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....167.54 Note: Approximate overall dimensions: 3-1/4' width x 13' height.	167.54	
32 17 23 33-0064 EA 6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....140.75 Note: Approximate overall dimensions: 2' width x 6' height.	140.75	
32 17 23 33-0065 EA 9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....276.57 Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	276.57	
32 17 23 33-0066 EA 4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....163.73 Note: Approximate overall dimensions: 3' width x 4' height.	163.73	
32 17 23 33-0067 EA 8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....308.35 Note: Approximate overall dimensions: 6' width x 8' height.	308.35	
32 17 23 33-0068 EA Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....529.51 Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	529.51	
32 17 23 33-0069 EA Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....799.24 Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	799.24	
32 17 23 33-0070 EA Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....284.12 Note: Approximate overall dimensions: 1-2/3' width x 12' height.	284.12	
32 17 23 33-0071 EA Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....315.90 Note: Approximate overall dimensions: 3' width x 12' height.	315.90	
32 17 23 33-0072 EA Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....585.55 Note: Approximate overall dimensions: 5-1/2' width x 12' height.	585.55	
32 17 23 33-0073 EA Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....537.99 Note: Approximate overall dimensions: 3-1/2' width x 20' height.	537.99	
32 17 23 33-0074 EA Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....540.31 Note: Approximate overall dimensions: 5-1/2' width x 20' height.	540.31	
32 17 23 33-0075 EA Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....745.32 Note: Approximate overall dimensions: 5-1/2' width x 18' height.	745.32	
<b>32 17 23 33-0076 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas</b> (32 17 23 33)		
<b>32 17 23 33-0077 Thermoplastic Pavement Marking Symbols For Parking Areas</b> (32 17 23 33-0076) Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0078 EA 28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....108.32 Note: White or blue symbol. Excludes striping.	108.32	
32 17 23 33-0079 EA 39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....410.46	410.46	
32 17 23 33-0080 EA 40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....231.76 Note: White symbol on blue background. Excludes striping.	231.76	
32 17 23 33-0081 EA 45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....278.62 Note: White symbol on blue background. Excludes striping.	278.62	
32 17 23 33-0082 EA 48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....292.05	292.05	
<b>32 17 26 Tactile Warning Surfaces</b> (32 17)		
<b>32 17 26 00-0001 Vitrified Polymer Composite (VPC); (Armor Tile)</b> (32 17 26) Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002 SF Surface Applied VPC Truncated Dome Detectable Warning Surface .....65.65	65.65	8.88
32 17 26 00-0003 SF Embedded, VPC Truncated Dome Detectable Warning Surface .....54.11 Note: Also raised strips or directional bars. All colors.	54.11	8.88
<b>32 17 26 00-0004 Fiber-Reinforced, Polymermodified Cement And Coated With Acrylic Resin Emulsion (SafteyStep TD)</b> (32 17 26) Note: Pre-molded tactile dome sheet. All colors.		
32 17 26 00-0005 SF Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) .....74.99 Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.	74.99	8.88
32 17 26 00-0006 SF >15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) .....67.00 Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.	67.00	8.88
<b>32 18 Athletic and Recreational Surfacing</b> (32 18)		
<b>32 18 16 Synthetic Resilient Surfacing</b> (32 18)		
<b>32 18 16 13 Playground Protective Surfacing</b> (32 18 16)		
32 18 16 13-0001 Tile Playground Surface Material (32 18 16 13) Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0002 SF 1-3/4" Thick, Resilient Rubber Tile Playground Surfacing .....	19.68	2.18
<i>For Manufacturer's Standard Colors, Add</i>	1.18	
<i>For Interlocking Tiles, Add</i>	2.63	
<i>For Mechanically Fastened, Add</i>	1.71	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0003 SF 2-1/4" Thick, Resilient Rubber Tile Playground Surfacing .....	20.09	2.31
<i>For Manufacturer's Standard Colors, Add</i>	1.18	
<i>For Interlocking Tiles, Add</i>	2.63	
<i>For Mechanically Fastened, Add</i>	1.79	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0004 SF 2-1/2" Thick, Resilient Rubber Tile Playground Surfacing .....	20.91	2.58
<i>For Manufacturer's Standard Colors, Add</i>	1.18	
<i>For Interlocking Tiles, Add</i>	2.63	
<i>For Mechanically Fastened, Add</i>	1.95	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0005 SF 2-1/2" Thick, Resilient Rubber Tile Playground Surfacing .....	21.73	2.86
<i>For Manufacturer's Standard Colors, Add</i>	1.18	
<i>For Interlocking Tiles, Add</i>	2.63	
<i>For Mechanically Fastened, Add</i>	2.12	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0006 SF 2-3/4" Thick, Resilient Rubber Tile Playground Surfacing .....	24.23	3.13
<i>For Manufacturer's Standard Colors, Add</i>	0.89	
<i>For Interlocking Tiles, Add</i>	2.97	
<i>For Mechanically Fastened, Add</i>	2.28	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0007 SF 3" Thick, Resilient Rubber Tile Playground Surfacing .....	25.14	3.43
<i>For Manufacturer's Standard Colors, Add</i>	0.89	
<i>For Interlocking Tiles, Add</i>	2.97	
<i>For Mechanically Fastened, Add</i>	2.46	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0008 SF 3-1/4" Thick, Resilient Rubber Tile Playground Surfacing .....	26.08	3.74
<i>For Manufacturer's Standard Colors, Add</i>	0.89	
<i>For Interlocking Tiles, Add</i>	2.97	
<i>For Mechanically Fastened, Add</i>	2.65	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0009 SF 3-1/2" Thick, Resilient Rubber Tile Playground Surfacing .....	28.65	4.00
<i>For Manufacturer's Standard Colors, Add</i>	0.50	
<i>For Interlocking Tiles, Add</i>	3.31	
<i>For Mechanically Fastened, Add</i>	2.82	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0010 SF 3-3/4" Thick, Resilient Rubber Tile Playground Surfacing .....	29.47	4.32
<i>For Manufacturer's Standard Colors, Add</i>	0.50	
<i>For Interlocking Tiles, Add</i>	3.31	
<i>For Mechanically Fastened, Add</i>	2.98	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0011 SF 4" Thick, Resilient Rubber Tile Playground Surfacing .....	30.37	4.57
<i>For Manufacturer's Standard Colors, Add</i>	0.50	
<i>For Interlocking Tiles, Add</i>	3.31	
<i>For Mechanically Fastened, Add</i>	3.16	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0012 SF 4-1/2" Thick, Resilient Rubber Tile Playground Surfacing .....	34.94	5.14
<i>For Manufacturer's Standard Colors, Add</i>	0.49	
<i>For Interlocking Tiles, Add</i>	3.89	
<i>For Mechanically Fastened, Add</i>	3.50	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
<b>32 18 16 13-0013 Loose Laid Playground Surface Material <small>(32 18 16 13)</small></b>		
Note: Excludes sub base.		
32 18 16 13-0014 SF 3" Loose Laid Wood Fiber Safety Playground Surfacing .....	1.51	0.32
32 18 16 13-0015 SF 6" Loose Laid Wood Fiber Safety Playground Surfacing .....	2.00	0.40
32 18 16 13-0016 SF 9" Loose Laid Wood Fiber Safety Playground Surfacing .....	2.54	0.49
32 18 16 13-0017 SF 12" Loose Laid Wood Fiber Safety Playground Surfacing .....	3.59	0.74
32 18 16 13-0018 SF 3" Loose Laid Synthetic Fiber Safety Playground Surfacing .....	3.10	0.32
32 18 16 13-0019 SF 6" Loose Laid Synthetic Fiber Safety Playground Surfacing .....	3.82	0.40
32 18 16 13-0020 SF 9" Loose Laid Synthetic Fiber Safety Playground Surfacing .....	6.13	0.49
32 18 16 13-0021 SF 12" Loose Laid Synthetic Fiber Safety Playground Surfacing .....	7.49	0.74
32 18 16 13-0022 SF 8" FIBAR System Playground Surfacing .....	8.90	1.22
Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.		
32 18 16 13-0023 SF 12" FIBAR System Playground Surfacing .....	11.34	1.63
Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.		
<b>32 18 16 13-0024 Poured In Place Playground Surfacing <small>(32 18 16 13)</small></b>		
Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.		
32 18 16 13-0025 SF 1-3/4" Thick, Up To 4' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	15.84	2.52
<i>For Up To 2,000, Add</i>	3.34	
<i>For &gt;2,000 To 3,000, Add</i>	2.35	
<i>For &gt;3,000 To 4,000, Add</i>	1.60	
<i>For &gt;4,000 To 5,000, Add</i>	1.02	
<i>For &gt;5,000 To 7,000, Add</i>	0.42	
<i>For Aliphatic (Non Yellowing) Binder, Add</i>	4.12	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.56	

<b>32</b>	<b>Exterior Improvements</b>
<b>32 10</b>	<b>Bases, Ballasts, and Paving</b>
<b>32 18</b>	<b>Athletic and Recreational Surfacing</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0026	SF	2" Thick, 5' Critical Fall Height, Poured In Place Rubber Playground Surfacing	.....	16.34	2.79
		<i>For Up To 2,000, Add</i>		3.45	
		<i>For &gt;2,000 To 3,000, Add</i>		2.43	
		<i>For &gt;3,000 To 4,000, Add</i>		1.65	
		<i>For &gt;4,000 To 5,000, Add</i>		1.05	
		<i>For &gt;5,000 To 7,000, Add</i>		0.44	
		<i>For Aliphatic (Non Yellowing) Binder, Add</i>		4.12	
		<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>		-0.56	
32 18 16 13-0027	SF	2-1/2" Thick, 6' Critical Fall Height, Poured In Place Rubber Playground Surfacing	.....	17.64	3.19
		<i>For Up To 2,000, Add</i>		3.72	
		<i>For &gt;2,000 To 3,000, Add</i>		2.62	
		<i>For &gt;3,000 To 4,000, Add</i>		1.78	
		<i>For &gt;4,000 To 5,000, Add</i>		1.14	
		<i>For &gt;5,000 To 7,000, Add</i>		0.47	
		<i>For Aliphatic (Non Yellowing) Binder, Add</i>		4.12	
		<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>		-0.56	
32 18 16 13-0028	SF	3" Thick, 7' Critical Fall Height, Poured In Place Rubber Playground Surfacing	.....	19.05	3.39
		<i>For Up To 2,000, Add</i>		4.02	
		<i>For &gt;2,000 To 3,000, Add</i>		2.83	
		<i>For &gt;3,000 To 4,000, Add</i>		1.92	
		<i>For &gt;4,000 To 5,000, Add</i>		1.23	
		<i>For &gt;5,000 To 7,000, Add</i>		0.51	
		<i>For Aliphatic (Non Yellowing) Binder, Add</i>		4.12	
		<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>		-0.56	
32 18 16 13-0029	SF	3-1/2" Thick, 8' Critical Fall Height, Poured In Place Rubber Playground Surfacing	.....	20.46	3.57
		<i>For Up To 2,000, Add</i>		4.32	
		<i>For &gt;2,000 To 3,000, Add</i>		3.04	
		<i>For &gt;3,000 To 4,000, Add</i>		2.07	
		<i>For &gt;4,000 To 5,000, Add</i>		1.32	
		<i>For &gt;5,000 To 7,000, Add</i>		0.55	
		<i>For Aliphatic (Non Yellowing) Binder, Add</i>		4.12	
		<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>		-0.56	
32 18 16 13-0030	SF	4" Thick, 9' Critical Fall Height, Poured In Place Rubber Playground Surfacing	.....	21.65	3.78
		<i>For Up To 2,000, Add</i>		4.57	
		<i>For &gt;2,000 To 3,000, Add</i>		3.21	
		<i>For &gt;3,000 To 4,000, Add</i>		2.18	
		<i>For &gt;4,000 To 5,000, Add</i>		1.39	
		<i>For &gt;5,000 To 7,000, Add</i>		0.58	
		<i>For Aliphatic (Non Yellowing) Binder, Add</i>		4.12	
		<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>		-0.56	
32 18 16 13-0031	SF	4-1/2" Thick, 10' Critical Fall Height, Poured In Place Rubber Playground Surfacing	.....	23.06	3.98
		<i>For Up To 2,000, Add</i>		4.87	
		<i>For &gt;2,000 To 3,000, Add</i>		3.42	
		<i>For &gt;3,000 To 4,000, Add</i>		2.33	
		<i>For &gt;4,000 To 5,000, Add</i>		1.48	
		<i>For &gt;5,000 To 7,000, Add</i>		0.62	
		<i>For Aliphatic (Non Yellowing) Binder, Add</i>		4.12	
		<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>		-0.56	
32 18 16 13-0032	SF	5-1/2" Thick, 12' Critical Fall Height, Poured In Place Rubber Playground Surfacing	.....	25.87	4.46
		<i>For Up To 2,000, Add</i>		5.46	
		<i>For &gt;2,000 To 3,000, Add</i>		3.84	
		<i>For &gt;3,000 To 4,000, Add</i>		2.61	
		<i>For &gt;4,000 To 5,000, Add</i>		1.67	
		<i>For &gt;5,000 To 7,000, Add</i>		0.69	
		<i>For Aliphatic (Non Yellowing) Binder, Add</i>		4.12	
		<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>		-0.56	
32 18 16 13-0033	SF	1/2" Top Only, Poured In Place Playground Surfacing	.....	10.34	
		Note: Not used with new surfacing system tasks.			
		<i>For Up To 2,000, Add</i>		3.31	
		<i>For &gt;2,000 To 3,000, Add</i>		2.14	
		<i>For &gt;3,000 To 4,000, Add</i>		1.30	
		<i>For &gt;4,000 To 5,000, Add</i>		0.78	
		<i>For &gt;5,000 To 7,000, Add</i>		0.35	
		<i>For Aliphatic (Non Yellowing) Binder, Add</i>		4.12	
		<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>		-0.56	
32 18 16 13-0034	EA	Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing	.....	2,479.02	
32 18 16 13-0035		<b>Synthetic Playground Turf (Sporturf)</b> <small>(32 18 16 13)</small>			
		Note: Excludes base preparation, aggregate, or drainage.			
32 18 16 13-0036	SF	60 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929)	.....	9.93	
32 18 16 13-0037	SF	71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906)	.....	8.71	
32 18 16 13-0038	SF	2" Foam Padding (Sporturf)	.....	5.60	
32 18 16 13-0039	CF	Sand/Ruber Infill (Sporturf)	.....	49.56	

### 32 18 23 Athletic Surfacing (32 18)

#### 32 18 23 13 Baseball Field Surfacing (32 18 23)

##### 32 18 23 13-0001 Clay Infield Maintenance (32 18 23 13)

32 18 23 13-0002	MSF	Playing Field Maintenance (Clay - Nail Drag)	.....	10.56	
32 18 23 13-0003	MSF	Playing Field Maintenance (Clay - Screen Drag)	.....	10.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 13-0004 CY Playing Field Maintenance Of Clay.....	98.83	
32 18 23 13-0005 Ton Medium Pro Baseball Infield Mix (Diamond Select 60/40 Pro Infield Mix) .....	171.33	
<b>32 18 23 23 Field Sport Surfacing (32 18 23)</b>		
<b>32 18 23 23-0001 Turf Field Maintenance (32 18 23 23)</b>		
32 18 23 23-0002 ACR Turf Aeration (Minimum 6" Penetration).....	142.27	
32 18 23 23-0003 MSF Top Dressing 1/8" - 1/4" Sand .....	13.58	
32 18 23 23-0004 BAG Envirofill, 50 LB Bag .....	107.84	
<b>32 18 23 29 Synthetic Field Sport Surfacing (32 18 23)</b>		
<b>32 18 23 29-0001 Synthetic Turf (32 18 23 29)</b>		
<b>32 18 23 29-0002 Synthetic Turf (AstroTurf) (32 18 23 29-0001)</b>		
Note: Includes labor, equipment and material required to install the task.		
<b>32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) (32 18 23 29-0002)</b>		
<b>32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) (32 18 23 29-0003)</b>		
32 18 23 29-0005 SF 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38) .....	7.77	
For Ambient Rubber And Sand Infill, Add		0.10
For Cryo Rubber Infill, Add		0.26
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add		0.31
For Cryo Rubber And Sand Infill, Add		0.36
32 18 23 29-0006 EA Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields .....	26,414.51	
32 18 23 29-0007 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields .....	21,530.32	
32 18 23 29-0008 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	6,479.03	
Note: Per sport.		
32 18 23 29-0009 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields .....	2,392.26	
Note: Per letter. Excludes outline.		
32 18 23 29-0010 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields.....	2,292.58	
Note: Per endzone.		
32 18 23 29-0011 EA Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields .....	19,935.48	
Note: Block letter.		
32 18 23 29-0012 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields .....	28,906.45	
Note: Graphic.		
<b>32 18 23 29-0013 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) (32 18 23 29-0003)</b>		
32 18 23 29-0014 SF 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41) .....	8.97	
For Ambient Rubber And Sand Infill, Add		0.10
For Cryo Rubber Infill, Add		0.26
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add		0.31
For Cryo Rubber And Sand Infill, Add		0.36
32 18 23 29-0015 EA Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields .....	26,913.06	
32 18 23 29-0016 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields .....	22,327.87	
32 18 23 29-0017 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	6,977.46	
Note: Per sport.		
32 18 23 29-0018 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields .....	2,591.63	
Note: Per letter. Excludes outline.		
32 18 23 29-0019 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields.....	2,392.27	
Note: Per endzone.		
32 18 23 29-0020 EA Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields .....	20,932.38	
Note: Block letter.		
32 18 23 29-0021 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields .....	30,351.95	
Note: Graphic.		
<b>32 18 23 29-0022 45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) (32 18 23 29-0003)</b>		
32 18 23 29-0023 SF 45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45) .....	9.15	
For Ambient Rubber And Sand Infill, Add		0.10
For Cryo Rubber Infill, Add		0.26
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add		0.31
For Cryo Rubber And Sand Infill, Add		0.36
32 18 23 29-0024 EA Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields .....	27,411.45	
32 18 23 29-0025 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields .....	24,122.08	
32 18 23 29-0026 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	7,475.85	
Note: Per sport.		
32 18 23 29-0027 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields .....	2,790.98	
Note: Per letter. Excludes outline.		
32 18 23 29-0028 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields.....	2,491.95	
Note: Per endzone.		

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0029	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields ..... Note: Block letter.	21,929.16	
32 18 23 29-0030	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields ..... Note: Graphic.	31,797.28	
<b>32 18 23 29-0031</b>		<b>Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) <small>(32 18 23 29-0002)</small></b>		
<b>32 18 23 29-0032</b>		<b>52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) <small>(32 18 23 29-0031)</small></b>		
32 18 23 29-0033	SF	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52) ..... <i>For Ambient Rubber And Sand Infill, Add</i> <i>For Cryo Rubber Infill, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> <i>For Cryo Rubber And Sand Infill, Add</i>	10.27 0.10 0.20 0.25 0.30	
32 18 23 29-0034	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields .....	28,408.06	
32 18 23 29-0035	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields .....	30,301.93	
32 18 23 29-0036	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields ..... Note: Per sport.	8,472.58	
32 18 23 29-0037	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields..... Note: Per letter. Excludes outline.	3,189.68	
32 18 23 29-0038	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields..... Note: Per endzone.	2,691.29	
32 18 23 29-0039	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields..... Note: Block letter.	23,922.58	
32 18 23 29-0040	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields ..... Note: Graphic.	34,687.74	
<b>32 18 23 29-0041</b>		<b>60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) <small>(32 18 23 29-0031)</small></b>		
32 18 23 29-0042	SF	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60) ..... <i>For Ambient Rubber And Sand Infill, Add</i> <i>For Cryo Rubber Infill, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> <i>For Cryo Rubber And Sand Infill, Add</i>	10.64 0.10 0.20 0.25 0.30	
32 18 23 29-0043	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields .....	28,906.45	
32 18 23 29-0044	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields .....	33,690.96	
32 18 23 29-0045	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields ..... Note: Per sport.	8,970.97	
32 18 23 29-0046	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Per letter. Excludes outline.	3,389.03	
32 18 23 29-0047	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Per endzone.	2,790.97	
32 18 23 29-0048	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Block letter.	24,919.35	
32 18 23 29-0049	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields ..... Note: Graphic.	36,133.06	
<b>32 18 23 29-0050</b>		<b>52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) <small>(32 18 23 29-0031)</small></b>		
32 18 23 29-0051	SF	52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52) ..... <i>For Ambient Rubber And Sand Infill, Add</i> <i>For Cryo Rubber Infill, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> <i>For Cryo Rubber And Sand Infill, Add</i>	10.65 0.10 0.20 0.25 0.30	
32 18 23 29-0052	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	29,404.83	
32 18 23 29-0053	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	33,890.32	
32 18 23 29-0054	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields ..... Note: Per sport.	9,469.35	
32 18 23 29-0055	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields..... Note: Per letter. Excludes outline.	3,588.39	
32 18 23 29-0056	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields ..... Note: Per endzone.	2,890.64	
32 18 23 29-0057	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields..... Note: Block letter.	25,916.12	
32 18 23 29-0058	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields..... Note: Graphic.	37,578.38	
<b>32 18 23 29-0059</b>		<b>60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) <small>(32 18 23 29-0031)</small></b>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0060 SF 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60).....	10.86	
<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
<i>For Cryo Rubber Infill, Add</i>	0.20	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0061 EA Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	29,903.22	
32 18 23 29-0062 EA Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	36,083.22	
32 18 23 29-0063 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	9,967.74	
Note: Per sport.		
32 18 23 29-0064 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields.....	3,987.10	
Note: Per letter. Excludes outline.		
32 18 23 29-0065 EA Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields.....	2,990.32	
Note: Per endzone.		
32 18 23 29-0066 EA Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	26,912.90	
Note: Block letter.		
32 18 23 29-0067 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	39,023.70	
Note: Graphic.		
<b>32 18 23 29-0068 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe)</b> <small>(32 18 23 29-0002)</small>		
<b>32 18 23 29-0069 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38)</b> <small>(32 18 23 29-0068)</small>		
32 18 23 29-0070 SF 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38) .....	8.60	
<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
<i>For Cryo Rubber Infill, Add</i>	0.26	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0071 EA Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields .....	25,417.89	
32 18 23 29-0072 EA Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields .....	18,739.46	
32 18 23 29-0073 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields .....	5,482.29	
Note: Per sport.		
32 18 23 29-0074 EA Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields.....	1,993.56	
Note: Per letter. Excludes outline.		
32 18 23 29-0075 EA Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields.....	2,093.24	
Note: Per endzone.		
32 18 23 29-0076 EA Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	17,942.04	
Note: Block letter.		
32 18 23 29-0077 EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	26,015.96	
Note: Graphic.		
<b>32 18 23 29-0078 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42)</b> <small>(32 18 23 29-0068)</small>		
32 18 23 29-0079 SF 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42) .....	7.52	
<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
<i>For Cryo Rubber Infill, Add</i>	0.26	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0080 EA Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields .....	25,916.12	
32 18 23 29-0081 EA Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields .....	19,935.48	
32 18 23 29-0082 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields .....	5,980.64	
Note: Per sport.		
32 18 23 29-0083 EA Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields.....	2,192.90	
Note: Per letter. Excludes outline.		
32 18 23 29-0084 EA Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields.....	2,192.90	
Note: Per endzone.		
32 18 23 29-0085 EA Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	18,938.71	
Note: Block letter.		
32 18 23 29-0086 EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	27,461.12	
Note: Graphic.		
<b>32 18 23 29-0087 Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®)</b> <small>(32 18 23 29-0002)</small>		
32 18 23 29-0088 SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®).....	17.25	
32 18 23 29-0089 SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®) .....	15.42	
32 18 23 29-0090 EA Football Markings For AstroTurf® PureGrass® Fields .....	49,184.30	
32 18 23 29-0091 EA Baseball Markings For AstroTurf® PureGrass® Fields .....	58,432.63	
32 18 23 29-0092 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields.....	14,292.87	
Note: Per sport.		
32 18 23 29-0093 EA Endzone Lettering For AstroTurf® PureGrass® Fields.....	5,464.92	
Note: Per letter. Excludes outline.		
32 18 23 29-0094 EA Colored Endzone For AstroTurf® PureGrass® Fields.....	4,056.44	
Note: Per endzone.		
32 18 23 29-0095 EA Simple Logo For AstroTurf® PureGrass® Fields.....	36,507.93	
Note: Block letter.		

<b>32</b>	<b>Exterior Improvements</b>
<b>32 10</b>	<b>Bases, Ballasts, and Paving</b>
<b>32 18</b>	<b>Athletic and Recreational Surfacing</b>



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0096	EA	Deluxe Logo For AstroTurf® PureGrass® Fields..... Note: Graphic.	53,598.27	
<b>32 18 23 29-0097</b>		<b>Synthetic Turf (G9 Turf)</b> <small>(32 18 23 29-0001)</small>		
		Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0098	SF	2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf) ..... Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.	9.39	
		<i>For &gt;35,000, Deduct</i>	-0.83	
32 18 23 29-0099	SF	2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf) ..... Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.	9.30	
		<i>For &gt;35,000, Deduct</i>	-0.83	
32 18 23 29-0100	SF	1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf) ..... Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.	9.73	
32 18 23 29-0101	EA	Football Inlays For G9 Synthetic Turf..... Note: Includes field grid, numbers, arrows, coach's box and kick off lines.	68,010.58	
32 18 23 29-0102	EA	Soccer Inlays For G9 Synthetic Turf .....	29,471.25	
32 18 23 29-0103	EA	Boys Lacrosse Inlays For G9 Synthetic Turf .....	29,471.25	
32 18 23 29-0104	EA	Girls Lacrosse Inlays For G9 Synthetic Turf .....	29,471.25	
32 18 23 29-0105	EA	Field Hockey Inlays For G9 Synthetic Turf.....	29,471.25	
32 18 23 29-0106	EA	Endzone Lettering For G9 Synthetic Turf..... Note: Priced per letter. Includes single color outlining.	3,400.53	
32 18 23 29-0107	SF	Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf .....	3.19	
32 18 23 29-0108	SF	Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf.....	8.31	
32 18 23 29-0109	SF	Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf .....	2.37	
32 18 23 29-0110	SF	Sand Infill For G9 Synthetic Turf.....	1.20	
32 18 23 29-0111	SF	Acrylic Coated Sand Infill For G9 Synthetic Turf.....	1.97	
32 18 23 29-0112	EA	Gmax Compaction And Hardness Test For G9 Synthetic Turf .....	2,267.02	
		Note: Includes a comprehensive report.		
32 18 23 29-0113	EA	Safety Bridge Over Track For G9 Synthetic Turf .....	22,670.19	
32 18 23 29-0114	SF	Clean And Groom Synthetic Turf..... Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.	0.75	
		<i>For &gt;10,000 To 30,000, Deduct</i>	-0.30	
		<i>For &gt;30,000 To 60,000, Deduct</i>	-0.53	
		<i>For &gt;60,000, Deduct</i>	-0.57	
32 18 23 29-0115	SF	Rejuvenate Synthetic Turf And Reinstall Existing Infill..... Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.	5.08	
32 18 23 29-0116	SF	Rejuvenate Synthetic Turf For Installation Of New Infill .....	5.65	
		Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.		
32 18 23 29-0117	SF	Drainage Layer For G9 Synthetic Turf..... Note: Used for drainage over asphalt or on roof tops.	4.63	
32 18 23 29-0118	SF	15 mm, Shock Pad For G9 Synthetic Turf .....	2.85	
		Note: Used for additional Gmax for a stone base field.		
32 18 23 29-0119	EA	Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf .....	4,518.00	
		Note: Includes field inspection and report.		
32 18 23 29-0120	LF	Repair Inlay Lines Or Seams On G9 Synthetic Turf..... Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.	12.42	
32 18 23 29-0121	LF	Nailer Used To Attach G9 Synthetic Turf.....	4.97	
32 18 23 29-0122	SF	Removal And Recycling Of Existing Field..... Note: Includes removal, shipping and recycling of infill, fibers and backing.	3.50	
<b>32 18 23 33</b>		<b>Running Track Surfacing</b> <small>(32 18 23)</small>		
<b>32 18 23 33-0001</b>		<b>Running Track Surfacing</b> <small>(32 18 23 33)</small>		
32 18 23 33-0002	SY	2-1/2" Asphaltic Concrete Running Track Surfacing.....	29.06	
<b>32 18 23 33-0003</b>		<b>Running Track Seal And Colored Surfaces</b> <small>(32 18 23 33)</small>		
32 18 23 33-0004	SY	1 Seal Coat, Striping Of Track..... Note: Includes certification.	15.51	
<b>32 18 23 39</b>		<b>Synthetic Running Track Surfacing</b> <small>(32 18 23)</small>		
<b>32 18 23 39-0001</b>		<b>Synthetic Running Track Surfacing (XPLODE™) And Striping</b> <small>(32 18 23 39)</small>		
		Note: Includes labor, equipment and material required to install the task. Excludes asphalt base.		
32 18 23 39-0002	SY	Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing (XPLODE™ M100).....	71.07	6.35
		<i>For Up To 4,000, Add</i>	24.87	
		<i>For &gt;5,500, Deduct</i>	-7.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 39-0003 SY Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing (XPLODE™ MS200) .....	95.39	6.35
<i>For Up To 4,000, Add</i>	33.39	
<i>For &gt;5,500, Deduct</i>	-10.49	
<i>For Custom Color Upgrade, Add</i>	9.06	
<i>For Aliphatic Top Coating, Add</i>	17.17	
32 18 23 39-0004 SY Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing (XPLODE™ MSX500) .....	160.31	6.35
<i>For Up To 4,000, Add</i>	56.11	
<i>For &gt;5,500, Deduct</i>	-9.62	
<i>For Custom Color Upgrade, Add</i>	12.34	
<i>For Aliphatic Top Coating, Add</i>	22.92	
32 18 23 39-0005 SY Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing (XPLODE™ MSX5000) .....	207.07	6.35
<i>For Up To 4,000, Add</i>	72.47	
<i>For &gt;5,500, Deduct</i>	-12.42	
<i>For Custom Color Upgrade, Add</i>	16.15	
<i>For Aliphatic Top Coating, Add</i>	23.61	
32 18 23 39-0006 SY Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Lightning) .....	64.75	
<i>For Up To 4,000, Add</i>	22.66	
<i>For &gt;5,500, Deduct</i>	-7.12	
32 18 23 39-0007 SY Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Accelerator) .....	72.87	
<i>For Up To 4,000, Add</i>	25.50	
<i>For &gt;5,500, Deduct</i>	-10.57	
32 18 23 39-0008 SY Spray Retop XPLODE™ M100/MS200 Running Tracks .....	64.01	
<i>For Up To 4,000, Add</i>	22.40	
<i>For &gt;5,500, Deduct</i>	-6.26	
32 18 23 39-0009 SY Sandwich Retop XPLODE™ MSX500 Running Tracks .....	123.90	
<i>For Up To 4,000, Add</i>	43.37	
<i>For &gt;5,500, Deduct</i>	-13.06	
32 18 23 39-0010 SY Retop XPLODE™ Plexitrac® Lightning Running Tracks .....	36.04	
Note: Two layers.		
<i>For Up To 4,000, Add</i>	12.61	
<i>For &gt;5,500, Deduct</i>	-5.96	
32 18 23 39-0011 SY Retop XPLODE™ Plexitrac® Accelerator Running Tracks .....	43.88	
Note: Two layers.		
<i>For Up To 4,000, Add</i>	15.36	
<i>For &gt;5,500, Deduct</i>	-5.96	
32 18 23 39-0012 EA Restripe XPLODE™ Running Track .....	14,897.44	
Note: Includes two coats of acrylic resurfacer and two coats of color.		
<i>For College Track Restriping, Add</i>	2,708.62	
<b>32 18 23 53 Tennis Court Surfacing (32 18 23)</b>		
32 18 23 53-0001 Tennis Court Surfacing (32 18 23 53) See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.		
32 18 23 53-0002 SY Tennis Court Bituminous Pavement, 2-1/2" Thick .....	29.00	
32 18 23 53-0003 Tennis Court Markings (32 18 23 53)		
32 18 23 53-0004 EA Paint Markings On Asphalt Tennis Court 2 Coats .....	443.34	
<b>32 18 23 56 Natural Tennis Court Surfacing (32 18 23)</b>		
32 18 23 56-0001 SY Clay Tennis Court .....	39.60	
32 18 23 56-0002 SY Tennis Court, Pulverized Natural Greenstone, Fast Dry .....	43.98	
Note: Includes 4" base.		
32 18 23 56-0003 SY Tennis Court, Rubber-Cork Base Resilient Pavement .....	20.35	
32 18 23 56-0004 SY Resurface Clay Tennis Court .....	11.79	
32 18 23 56-0005 SY Resurface Tennis Court, Pulverized Natural Greenstone .....	10.07	
32 18 23 56-0006 SY Resurface Tennis Court, Resilient Pavement .....	8.30	
<b>32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing (32 18 23)</b>		
32 18 23 61-0001 100% Acrylic Athletic Surfacing System (Plexipave®) (32 18 23 61) Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0002 Surface Preparation For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)		
32 18 23 61-0003 SY 100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat .....	1.62	
Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
32 18 23 61-0004 SY Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat .....	0.91	
Note: For previously uncoated portland cement concrete. Applied with broom.		
32 18 23 61-0005 SY Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat .....	2.38	
Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.		

<b>32</b>	<b>Exterior Improvements</b>
<b>32 10</b>	<b>Bases, Ballasts, and Paving</b>
<b>32 18</b>	<b>Athletic and Recreational Surfacing</b>



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 61-0006	SY	Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat.....	100.66	
		Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.		
<b>32 18 23 61-0007</b>		<b>Surface Coatings For Athletic Surfacing System (Plexipave®)</b> (32 18 23 61-0001)		
		Note: Standard color includes dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.		
32 18 23 61-0008	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat.....	3.84	
		Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
		For Pacific Blue, Add	0.24	
		For US Open Blue, Add	0.84	
32 18 23 61-0009	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat.....	3.03	
		Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
		For Pacific Blue, Add	0.17	
		For US Open Blue, Add	0.60	
32 18 23 61-0010	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat.....	2.58	
		Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.		
		For Pacific Blue, Add	0.13	
		For US Open Blue, Add	0.47	
32 18 23 61-0011	SY	Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat.....	2.75	
		Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.		
		For Pacific Blue, Add	0.08	
		For US Open Or Australian Open Blue, Add	0.54	
		For Pro Purple, Add	1.41	
<b>32 18 23 61-0012</b>		<b>Line Striping For Athletic Surfacing System (Plexipave®)</b> (32 18 23 61-0001)		
32 18 23 61-0013	SY	Tennis Or Basketball Court Line Striping For Athletic Surfacing System, Per SY Of Court (California Products Plexipave® Hi-Hide Plexicolor®).....	1.44	
		Note: Textured or non-textured highly reflective line marking paint.		
<b>32 18 23 61-0014</b>		<b>Cushion Coatings For Athletic Surfacing System (Plexipave® Plexicushion®)</b> (32 18 23 61-0001)		
32 18 23 61-0015	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat.....	6.63	
		Note: Applied with rubber squeegee.		
32 18 23 61-0016	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat.....	9.26	
		Note: Applied with rubber squeegee.		
32 18 23 61-0017	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat.....	7.88	
		Note: Price per coat for third or additional coats. Applied with rubber squeegee.		
32 18 23 61-0018	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat.....	5.76	
		Note: Applied with rubber squeegee.		
32 18 23 61-0019	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat.....	4.26	
		Note: Price per coat for second or additional coats. Applied with rubber squeegee.		
<b>32 18 23 61-0020</b>		<b>Resurface Athletic Court</b> (32 18 23 61)		
		Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0021	SY	Court Resurfacing System, 2 Coats Resurfacer, 2 Coats Color, And Sand (SealMaster).....	2.49	
<b>32 30</b>		<b>Site Improvements</b> (32)		
<b>32 31</b>		<b>Fences and Gates</b> (32 30)		
<b>32 31 11</b>		<b>Gate Operators</b> (32 31)		
32 31 11 00-0001		<b>Gate Operators</b> (32 31 11)		
		Note: Excludes gates, electrical connections, access controls and concrete foundation.		
32 31 11 00-0002		<b>Swing Gate Actuator (DKS™ DoorKing®)</b> (32 31 11 00-0001)		
32 31 11 00-0003		<b>Single Gate, Swing Gate Actuator</b> (32 31 11 00-0002)		
32 31 11 00-0004	EA	Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003).....	1,941.47	198.37
		Note: Includes one primary operator with a 10' wide gate capacity.		
32 31 11 00-0005	EA	Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002).....	2,610.85	198.37
		Note: Includes one primary operator with a 14' wide gate capacity.		
32 31 11 00-0006		<b>Dual Gate, Swing Gate Actuator</b> (32 31 11 00-0002)		
32 31 11 00-0007	EA	Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003).....	3,882.96	396.73
		Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.		



<b>Exterior Improvements</b>	<b>32</b>	
Site Improvements	32 30	<b>32</b>
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0008 EA Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) ..... Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.	5,221.73	396.73
<b>32 31 11 00-0009 Swing Gate Operators (DKS™ DoorKing®) (32 31 11 00-0001)</b>		
<b>32 31 11 00-0010 Single Gate, Swing Gate Operators (32 31 11 00-0009)</b>		
32 31 11 00-0011 EA 400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050)..... Note: Includes one primary operator with a 10' wide and 400 LB gate capacity.	4,035.45	198.37
32 31 11 00-0012 EA 500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100)..... Note: Includes one primary operator with a 14' wide and 500 LB gate capacity.	4,395.88	198.37
32 31 11 00-0013 EA 700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)..... Note: Includes one primary operator with an 18' wide and 700 LB gate capacity.	5,992.11	198.37
For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0014 EA 800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)..... Note: Includes one primary operator with a 22' wide and 800 LB gate capacity.	6,798.81	198.37
For 208/230/460 Volt AC, Add	322.50	
<b>32 31 11 00-0015 Dual Gate, Swing Gate Operators (32 31 11 00-0009)</b>		
32 31 11 00-0016 EA 400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050)..... Note: Includes one primary and one secondary operator each with a 10' wide and 400 LB gate capacity.	7,126.90	396.73
32 31 11 00-0017 EA 500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100)..... Note: Includes one primary and one secondary operator each with a 14' wide and 500 LB gate capacity.	7,847.78	396.73
32 31 11 00-0018 EA 700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)..... Note: Includes one primary and one secondary operator each with an 18' wide and 700 LB gate capacity.	11,023.08	396.73
For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0019 EA 800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)..... Note: Includes one primary and one secondary operator each with a 22' wide and 800 LB gate capacity.	12,790.94	396.73
For 208/230/460 Volt AC, Add	322.50	
<b>32 31 11 00-0020 Sliding Gate Operators (DKS™ DoorKing®) (32 31 11 00-0001)</b>		
Note: Includes 20' of chain. See CSI section 32 31 11 00-0029 for additional chain over 20'.		
32 31 11 00-0021 EA 300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050)..... Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	1,777.66	198.37
32 31 11 00-0022 EA 1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100)..... Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	2,484.71	238.04
32 31 11 00-0023 EA 1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150)..... Note: Includes operator, chain brackets, hardware and 20' of #40 chain.	3,070.56	238.04
32 31 11 00-0024 EA 3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210)..... Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	4,007.75	277.72
32 31 11 00-0025 EA 2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220)..... Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	4,911.62	277.72
32 31 11 00-0026 EA 5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230)..... Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	6,698.30	317.39
32 31 11 00-0027 EA 5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530)..... Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	11,180.04	317.39
32 31 11 00-0028 EA 10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550)..... Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	18,942.36	357.07
<b>32 31 11 00-0029 Accessories For Gate Actuators And Operators (DKS™ DoorKing®) (32 31 11 00-0001)</b>		
32 31 11 00-0030 EA Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410).....	620.14	
32 31 11 00-0031 EA Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409).....	1,204.22	
32 31 11 00-0032 EA Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601).....	845.25	
32 31 11 00-0033 EA Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031).....	907.43	
32 31 11 00-0034 EA Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020).....	804.44	
32 31 11 00-0035 EA Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310).....	555.57	
32 31 11 00-0036 LF #40 Chain For Sliding Gate Operators.....	5.59	
32 31 11 00-0037 LF #41 Chain For Sliding Gate Operators.....	5.84	
32 31 11 00-0038 LF #50 Chain For Sliding Gate Operators.....	7.46	
32 31 11 00-0039 LF #60 Chain For Sliding Gate Operators.....	11.48	
32 31 11 00-0040 EA Exterior Keypad Gate Operator (Linear AK-11).....	648.58	120.30
<b>32 31 11 00-0041 Sliding Gate Operator (LiftMaster) (32 31 11 00-0001)</b>		

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 11 00-0042	EA	Up To 1,500 LB Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U).....	2,729.98	238.04
		Note: Includes 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoops (LMRRUL) and 5' Resistive Safety Edge (S505AL).		
		<i>For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add</i>	186.48	
		<i>For Plug-In Loop Detector Option (Liftmaster LOOPDETLTM), Add</i>	133.49	
		<i>For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add</i>	65.74	
		<i>For 10 Watt Solar Panel (Liftmaster SP10W12V), Add</i>	264.23	
		<i>For Each Additional 10' Chain, Add</i>	39.58	

**32 31 13 Chain Link Fences and Gates (32 31)****32 31 13 13 Chain Link Fences and Gates (32 31 13)****32 31 13 13-0001 Post Holes (32 31 13 13)**

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0025 for core drilling in concrete, 02 41 19 13-0163 for core drilling in asphalt.

**32 31 13 13-0002 Auger By Machine Fence Post Hole In Soil (32 31 13 13-0001)**

32 31 13 13-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	9.18	
32 31 13 13-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	10.33	
32 31 13 13-0005	VLF	3" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	12.24	
32 31 13 13-0006	VLF	4" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	13.77	
32 31 13 13-0007	VLF	6" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	15.02	
32 31 13 13-0008	VLF	8" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	16.52	
32 31 13 13-0009	VLF	10" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	18.37	
32 31 13 13-0010	VLF	12" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	20.66	
32 31 13 13-0011	VLF	18" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	23.61	
32 31 13 13-0012	VLF	24" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	27.55	
32 31 13 13-0013	VLF	30" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	33.06	
32 31 13 13-0014	VLF	36" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	41.32	

**32 31 13 13-0015 Post Hole In Rock (32 31 13 13-0001)**

32 31 13 13-0016	CF	Jackhammer Post Hole In Rock.....	66.58	
32 31 13 13-0017	CF	Rock Drill Post Hole In Rock.....	20.13	

**32 31 13 13-0018 Fill For Post Holes (32 31 13 13-0001)****32 31 13 13-0019 Concrete Fill For Post Holes (32 31 13 13-0018)**

32 31 13 13-0020	VLF	Up To 2-1/2" Diameter, Concrete Fill For Post Hole .....	5.52	
32 31 13 13-0021	VLF	2-1/2" Diameter, Concrete Fill For Post Hole .....	7.10	
32 31 13 13-0022	VLF	3" Diameter, Concrete Fill For Post Hole .....	7.84	
32 31 13 13-0023	VLF	4" Diameter, Concrete Fill For Post Hole .....	9.08	
32 31 13 13-0024	VLF	6" Diameter, Concrete Fill For Post Hole .....	12.85	
32 31 13 13-0025	VLF	8" Diameter, Concrete Fill For Post Hole .....	17.17	
32 31 13 13-0026	VLF	10" Diameter, Concrete Fill For Post Hole .....	21.03	
32 31 13 13-0027	VLF	12" Diameter, Concrete Fill For Post Hole .....	24.57	
32 31 13 13-0028	VLF	18" Diameter, Concrete Fill For Post Hole .....	33.69	
32 31 13 13-0029	VLF	24" Diameter, Concrete Fill For Post Hole .....	42.03	
32 31 13 13-0030	VLF	30" Diameter, Concrete Fill For Post Hole .....	50.18	
32 31 13 13-0031	VLF	36" Diameter, Concrete Fill For Post Hole .....	58.68	

**32 31 13 13-0032 Grout Fill For Post Holes (32 31 13 13-0018)**

32 31 13 13-0033	VLF	Up To 2-1/2" Diameter, Grout Fill For Post Hole.....	6.48	
32 31 13 13-0034	VLF	2-1/2" Diameter, Grout Fill For Post Hole.....	8.34	
32 31 13 13-0035	VLF	3" Diameter, Grout Fill For Post Hole.....	9.12	
32 31 13 13-0036	VLF	4" Diameter, Grout Fill For Post Hole.....	10.32	
32 31 13 13-0037	VLF	6" Diameter, Grout Fill For Post Hole.....	14.47	
32 31 13 13-0038	VLF	8" Diameter, Grout Fill For Post Hole.....	19.32	
32 31 13 13-0039	VLF	10" Diameter, Grout Fill For Post Hole.....	23.57	
32 31 13 13-0040	VLF	12" Diameter, Grout Fill For Post Hole.....	27.41	
32 31 13 13-0041	VLF	18" Diameter, Grout Fill For Post Hole.....	36.90	
32 31 13 13-0042	VLF	24" Diameter, Grout Fill For Post Hole.....	45.35	
32 31 13 13-0043	VLF	30" Diameter, Grout Fill For Post Hole.....	53.54	
32 31 13 13-0044	VLF	36" Diameter, Grout Fill For Post Hole.....	61.98	

**32 31 13 13-0045 Compacted Earth Fill For Post Holes (32 31 13 13-0018)**

32 31 13 13-0046	VLF	Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole .....	4.41	
32 31 13 13-0047	VLF	2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	5.75	
32 31 13 13-0048	VLF	3" Diameter, Compacted Earth Fill For Post Hole.....	6.01	
32 31 13 13-0049	VLF	4" Diameter, Compacted Earth Fill For Post Hole.....	6.18	
32 31 13 13-0050	VLF	6" Diameter, Compacted Earth Fill For Post Hole.....	8.26	
32 31 13 13-0051	VLF	8" Diameter, Compacted Earth Fill For Post Hole.....	11.02	
32 31 13 13-0052	VLF	10" Diameter, Compacted Earth Fill For Post Hole.....	13.22	
32 31 13 13-0053	VLF	12" Diameter, Compacted Earth Fill For Post Hole.....	14.99	
32 31 13 13-0054	VLF	18" Diameter, Compacted Earth Fill For Post Hole.....	18.27	
32 31 13 13-0055	VLF	24" Diameter, Compacted Earth Fill For Post Hole.....	20.50	



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0056 VLF 30" Diameter, Compacted Earth Fill For Post Hole.....	22.48	
32 31 13 13-0057 VLF 36" Diameter, Compacted Earth Fill For Post Hole.....	24.24	
<b>32 31 13 13-0058 Fence Posts</b> <small>(32 31 13 13)</small> Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
<b>32 31 13 13-0059 Fence Posts</b> <small>(32 31 13 13-0058)</small>		
<b>32 31 13 13-0060 1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel</b> <small>(32 31 13 13-0059)</small> Note: Includes cap and accessories.		
32 31 13 13-0061 LF 1-7/8" Galvanized H-beam Post, Up To 6' In Length .....	19.67	3.00
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0062 LF 1-7/8" Galvanized H-beam Post, 7' To 10' In Length .....	18.83	2.55
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0063 LF 1-7/8" Galvanized H-beam Post, 11' To 15' In Length .....	17.78	2.11
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0064 LF 1-7/8" Galvanized H-beam Post, 16' To 20' In Length .....	16.95	1.66
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0065 LF 1-7/8" Galvanized H-beam Post, 21' To 24' In Length .....	16.39	1.45
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0066 LF 1-7/8" Galvanized H-beam Post, >24' In Length.....	15.52	1.00
For Each Top Rail Fitting, Add	0.85	
<b>32 31 13 13-0067 Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal)</b> <small>(32 31 13 13-0059)</small> Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0068 LF Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post .....	13.36	2.78
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.95	
For Vinyl Coated, Add	4.69	
For Powder Coated, Add	6.25	
For Aluminum Coated, Add	9.76	
For Schedule 20, Deduct	-1.56	
For Schedule 80, Add	4.30	
32 31 13 13-0069 LF 7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post .....	12.43	2.34
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.93	
For Vinyl Coated, Add	4.64	
For Powder Coated, Add	6.18	
For Aluminum Coated, Add	9.66	
For Schedule 20, Deduct	-1.55	
For Schedule 80, Add	4.18	
32 31 13 13-0070 LF 11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	11.43	1.89
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.92	
For Vinyl Coated, Add	4.61	
For Powder Coated, Add	6.15	
For Aluminum Coated, Add	9.61	
For Schedule 20, Deduct	-1.54	
For Schedule 80, Add	4.07	
32 31 13 13-0071 LF 16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	10.67	1.45
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.92	
For Vinyl Coated, Add	4.60	
For Powder Coated, Add	6.14	
For Aluminum Coated, Add	9.59	
For Schedule 20, Deduct	-1.53	
For Schedule 80, Add	3.98	
32 31 13 13-0072 LF 21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	10.17	1.23
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.92	
For Vinyl Coated, Add	4.60	
For Powder Coated, Add	6.13	
For Aluminum Coated, Add	9.58	
For Schedule 20, Deduct	-1.53	
For Schedule 80, Add	3.93	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0073	LF	>24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	9.62	1.00
		<i>For Each Top Rail Fitting, Add</i>	0.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
		<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.92	
		<i>For Vinyl Coated, Add</i>	4.60	
		<i>For Powder Coated, Add</i>	6.13	
		<i>For Aluminum Coated, Add</i>	9.58	
		<i>For Schedule 20, Deduct</i>	-1.53	
		<i>For Schedule 80, Add</i>	3.87	
<b>32 31 13 13-0074</b>		<b>Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal)</b> <small>(32 31 13 13-0059)</small>		
		Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0075	LF	2" Outside Diameter Galvanized Steel Post, Up To 6' In Length .....	15.30	2.89
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.39	
		<i>For Vinyl Coated, Add</i>	5.73	
		<i>For Powder Coated, Add</i>	7.64	
		<i>For Aluminum Coated, Add</i>	11.94	
		<i>For Schedule 20, Deduct</i>	-1.91	
		<i>For Schedule 80, Add</i>	5.16	
32 31 13 13-0076	LF	2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length .....	14.43	2.45
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.36	
		<i>For Vinyl Coated, Add</i>	5.67	
		<i>For Powder Coated, Add</i>	7.56	
		<i>For Aluminum Coated, Add</i>	11.81	
		<i>For Schedule 20, Deduct</i>	-1.89	
		<i>For Schedule 80, Add</i>	5.03	
32 31 13 13-0077	LF	2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length .....	13.37	2.00
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.35	
		<i>For Vinyl Coated, Add</i>	5.64	
		<i>For Powder Coated, Add</i>	7.52	
		<i>For Aluminum Coated, Add</i>	11.75	
		<i>For Schedule 20, Deduct</i>	-1.88	
		<i>For Schedule 80, Add</i>	4.91	
32 31 13 13-0078	LF	2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length .....	12.56	1.55
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.35	
		<i>For Vinyl Coated, Add</i>	5.63	
		<i>For Powder Coated, Add</i>	7.50	
		<i>For Aluminum Coated, Add</i>	11.73	
		<i>For Schedule 20, Deduct</i>	-1.88	
		<i>For Schedule 80, Add</i>	4.82	
32 31 13 13-0079	LF	2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length .....	12.00	1.34
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.34	
		<i>For Vinyl Coated, Add</i>	5.62	
		<i>For Powder Coated, Add</i>	7.49	
		<i>For Aluminum Coated, Add</i>	11.70	
		<i>For Schedule 20, Deduct</i>	-1.87	
		<i>For Schedule 80, Add</i>	4.76	
32 31 13 13-0080	LF	2" Outside Diameter Galvanized Steel Post, >24' In Length.....	11.51	1.11
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.34	
		<i>For Vinyl Coated, Add</i>	5.62	
		<i>For Powder Coated, Add</i>	7.49	
		<i>For Aluminum Coated, Add</i>	11.70	
		<i>For Schedule 20, Deduct</i>	-1.87	
		<i>For Schedule 80, Add</i>	4.71	
<b>32 31 13 13-0081</b>		<b>Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal)</b> <small>(32 31 13 13-0059)</small>		
		Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0082 LF 2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	18.70	3.11
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.16	
For Vinyl Coated, Add	7.58	
For Powder Coated, Add	10.11	
For Aluminum Coated, Add	15.80	
For Schedule 20, Deduct	-2.53	
For Schedule 80, Add	6.67	
32 31 13 13-0083 LF 2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	17.75	2.67
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.13	
For Vinyl Coated, Add	7.52	
For Powder Coated, Add	10.02	
For Aluminum Coated, Add	15.66	
For Schedule 20, Deduct	-2.51	
For Schedule 80, Add	6.54	
32 31 13 13-0084 LF 2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	16.64	2.11
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.12	
For Vinyl Coated, Add	7.48	
For Powder Coated, Add	9.98	
For Aluminum Coated, Add	15.59	
For Schedule 20, Deduct	-2.49	
For Schedule 80, Add	6.40	
32 31 13 13-0085 LF 2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	15.78	1.66
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.11	
For Vinyl Coated, Add	7.46	
For Powder Coated, Add	9.95	
For Aluminum Coated, Add	15.55	
For Schedule 20, Deduct	-2.49	
For Schedule 80, Add	6.31	
32 31 13 13-0086 LF 2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length.....	15.21	1.45
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.11	
For Vinyl Coated, Add	7.46	
For Powder Coated, Add	9.94	
For Aluminum Coated, Add	15.54	
For Schedule 20, Deduct	-2.49	
For Schedule 80, Add	6.24	
32 31 13 13-0087 LF 2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length.....	14.68	1.11
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.11	
For Vinyl Coated, Add	7.46	
For Powder Coated, Add	9.94	
For Aluminum Coated, Add	15.54	
For Schedule 20, Deduct	-2.49	
For Schedule 80, Add	6.19	
<b>32 31 13 13-0088 Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) (32 31 13 13-0059)</b>		
Note: 3" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0089 LF 3" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	25.73	3.34
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	4.77	
For Vinyl Coated, Add	11.44	
For Powder Coated, Add	15.25	
For Aluminum Coated, Add	23.83	
For Schedule 20, Deduct	-3.81	
For Schedule 80, Add	9.82	
32 31 13 13-0090 LF 3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	24.58	2.89
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	4.71	
For Vinyl Coated, Add	11.30	
For Powder Coated, Add	15.06	
For Aluminum Coated, Add	23.54	
For Schedule 20, Deduct	-3.77	
For Schedule 80, Add	9.61	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0091 LF 3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length .....	23.34	2.34
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	4.68	
For Vinyl Coated, Add	11.23	
For Powder Coated, Add	14.97	
For Aluminum Coated, Add	23.39	
For Schedule 20, Deduct	-3.74	
For Schedule 80, Add	9.44	
32 31 13 13-0092 LF 3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length .....	22.36	1.89
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	4.66	
For Vinyl Coated, Add	11.19	
For Powder Coated, Add	14.92	
For Aluminum Coated, Add	23.31	
For Schedule 20, Deduct	-3.73	
For Schedule 80, Add	9.32	
32 31 13 13-0093 LF 3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length .....	21.71	1.55
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	4.66	
For Vinyl Coated, Add	11.17	
For Powder Coated, Add	14.90	
For Aluminum Coated, Add	23.28	
For Schedule 20, Deduct	-3.72	
For Schedule 80, Add	9.25	
32 31 13 13-0094 LF 3" Outside Diameter Galvanized Steel Post, >24' In Length .....	21.13	1.23
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	4.66	
For Vinyl Coated, Add	11.17	
For Powder Coated, Add	14.90	
For Aluminum Coated, Add	23.28	
For Schedule 20, Deduct	-3.72	
For Schedule 80, Add	9.19	
<b>32 31 13 13-0095 Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal)</b> (32 31 13 13-0059)		
Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0096 LF 4" Outside Diameter Galvanized Steel Post, Up To 6' In Length .....	38.12	3.55
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	7.77	
For Vinyl Coated, Add	18.65	
For Powder Coated, Add	24.87	
For Aluminum Coated, Add	38.86	
For Schedule 20, Deduct	-6.22	
For Schedule 80, Add	15.63	
32 31 13 13-0097 LF 4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length .....	36.51	2.89
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	7.67	
For Vinyl Coated, Add	18.40	
For Powder Coated, Add	24.53	
For Aluminum Coated, Add	38.33	
For Schedule 20, Deduct	-6.13	
For Schedule 80, Add	15.30	
32 31 13 13-0098 LF 4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length .....	35.33	2.45
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	7.61	
For Vinyl Coated, Add	18.27	
For Powder Coated, Add	24.36	
For Aluminum Coated, Add	38.06	
For Schedule 20, Deduct	-6.09	
For Schedule 80, Add	15.10	
32 31 13 13-0099 LF 4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length .....	34.24	2.00
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	7.59	
For Vinyl Coated, Add	18.20	
For Powder Coated, Add	24.27	
For Aluminum Coated, Add	37.93	
For Schedule 20, Deduct	-6.07	
For Schedule 80, Add	14.95	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0100 LF 4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	34.19	2.00
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	7.57	
For Vinyl Coated, Add	18.17	
For Powder Coated, Add	24.23	
For Aluminum Coated, Add	37.86	
For Schedule 20, Deduct	-6.06	
For Schedule 80, Add	14.93	
32 31 13 13-0101 LF 4" Outside Diameter Galvanized Steel Post, >24' In Length.....	33.06	1.45
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	7.57	
For Vinyl Coated, Add	18.17	
For Powder Coated, Add	24.22	
For Aluminum Coated, Add	37.85	
For Schedule 20, Deduct	-6.06	
For Schedule 80, Add	14.81	
<b>32 31 13 13-0102 Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal)</b> <small>(32 31 13 13-0059)</small>		
<small>Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.</small>		
32 31 13 13-0103 LF 6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	75.50	3.89
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	16.93	
For Vinyl Coated, Add	40.62	
For Powder Coated, Add	54.16	
For Aluminum Coated, Add	84.63	
For Schedule 20, Deduct	-13.54	
For Schedule 80, Add	33.28	
32 31 13 13-0104 LF 6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	72.62	3.23
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	16.52	
For Vinyl Coated, Add	39.65	
For Powder Coated, Add	52.86	
For Aluminum Coated, Add	82.60	
For Schedule 20, Deduct	-13.22	
For Schedule 80, Add	32.37	
32 31 13 13-0105 LF 6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	70.70	2.67
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	16.32	
For Vinyl Coated, Add	39.17	
For Powder Coated, Add	52.22	
For Aluminum Coated, Add	81.60	
For Schedule 20, Deduct	-13.06	
For Schedule 80, Add	31.88	
32 31 13 13-0106 LF 6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	69.20	2.11
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	16.22	
For Vinyl Coated, Add	38.92	
For Powder Coated, Add	51.90	
For Aluminum Coated, Add	81.09	
For Schedule 20, Deduct	-12.97	
For Schedule 80, Add	31.57	
32 31 13 13-0107 LF 6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	68.38	1.89
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	16.17	
For Vinyl Coated, Add	38.80	
For Powder Coated, Add	51.74	
For Aluminum Coated, Add	80.84	
For Schedule 20, Deduct	-12.93	
For Schedule 80, Add	31.41	
32 31 13 13-0108 LF 6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	67.72	1.55
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	16.16	
For Vinyl Coated, Add	38.78	
For Powder Coated, Add	51.70	
For Aluminum Coated, Add	80.79	
For Schedule 20, Deduct	-12.93	
For Schedule 80, Add	31.33	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0109		<b>Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal)</b> Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories. (32 31 13 13-0059)		
32 31 13 13-0110	LF	8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	147.13	4.34
		For Each Top Rail Fitting, Add	7.50	
		For Each Single Barbed Wire Arm, Add	9.15	
		For Each Double Barbed Wire Arm, Add	18.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	34.62	
		For Vinyl Coated, Add	83.08	
		For Powder Coated, Add	110.78	
		For Aluminum Coated, Add	173.09	
		For Schedule 20, Deduct	-27.69	
		For Schedule 80, Add	67.33	
32 31 13 13-0111	LF	8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	142.51	3.67
		For Each Top Rail Fitting, Add	7.50	
		For Each Single Barbed Wire Arm, Add	9.15	
		For Each Double Barbed Wire Arm, Add	18.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	33.82	
		For Vinyl Coated, Add	81.16	
		For Powder Coated, Add	108.21	
		For Aluminum Coated, Add	169.08	
		For Schedule 20, Deduct	-27.05	
		For Schedule 80, Add	65.65	
32 31 13 13-0112	LF	8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	139.66	3.00
		For Each Top Rail Fitting, Add	7.50	
		For Each Single Barbed Wire Arm, Add	9.15	
		For Each Double Barbed Wire Arm, Add	18.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	33.42	
		For Vinyl Coated, Add	80.20	
		For Powder Coated, Add	106.93	
		For Aluminum Coated, Add	167.08	
		For Schedule 20, Deduct	-26.73	
		For Schedule 80, Add	64.76	
32 31 13 13-0113	LF	8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	137.62	2.34
		For Each Top Rail Fitting, Add	7.50	
		For Each Single Barbed Wire Arm, Add	9.15	
		For Each Double Barbed Wire Arm, Add	18.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	33.21	
		For Vinyl Coated, Add	79.71	
		For Powder Coated, Add	106.28	
		For Aluminum Coated, Add	166.06	
		For Schedule 20, Deduct	-26.57	
		For Schedule 80, Add	64.25	
32 31 13 13-0114	LF	8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	136.57	2.00
		For Each Top Rail Fitting, Add	7.50	
		For Each Single Barbed Wire Arm, Add	9.15	
		For Each Double Barbed Wire Arm, Add	18.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	33.11	
		For Vinyl Coated, Add	79.47	
		For Powder Coated, Add	105.96	
		For Aluminum Coated, Add	165.56	
		For Schedule 20, Deduct	-26.49	
		For Schedule 80, Add	63.99	
32 31 13 13-0115	LF	8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	135.81	1.66
		For Each Top Rail Fitting, Add	7.50	
		For Each Single Barbed Wire Arm, Add	9.15	
		For Each Double Barbed Wire Arm, Add	18.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	33.09	
		For Vinyl Coated, Add	79.42	
		For Powder Coated, Add	105.90	
		For Aluminum Coated, Add	165.46	
		For Schedule 20, Deduct	-26.47	
		For Schedule 80, Add	63.88	
32 31 13 13-0116		<b>Driven Post Supports</b> (32 31 13 13) Note: OZ-Post.		
32 31 13 13-0117		<b>Driven Post Support For Round Chain Link Fence Posts</b> (32 31 13 13-0116)		
32 31 13 13-0118	EA	26" Driven Post Support For 1-5/8" Round Chain Link Fence Post..... Note: OZ-Post GB-700.	70.24	
32 31 13 13-0119	EA	26" Driven Post Support For 1-7/8" To 2" Round Chain Link Fence Post..... Note: OZ-Post HB-700.	70.24	
32 31 13 13-0120	EA	26" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post..... Note: OZ-Post IS-600.	72.09	
32 31 13 13-0121	EA	32" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post..... Note: OZ-Post ISW-850.	86.60	
32 31 13 13-0122		<b>Driven Post Support For Square Ornamental Fence Posts</b> (32 31 13 13-0116)		
32 31 13 13-0123	EA	34" Driven Post Support For 1-3/4" Square Ornamental Fence Post..... Note: OZ-Post C175-850.	81.05	
32 31 13 13-0124	EA	24" Driven Post Support For 2" Square Ornamental Fence Post..... Note: OZ-Post I2-600.	78.28	
32 31 13 13-0125	EA	34" Driven Post Support For 2" Square Ornamental Fence Post..... Note: OZ-Post I2-850.	81.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0126 EA 34" Driven Post Support For 2-1/2" Square Ornamental Fence Post ..... Note: OZ-Post I25-850.	86.60	
32 31 13 13-0127 EA 34" Driven Post Support For 3" Square Ornamental Fence Post..... Note: OZ-Post I3-850.	86.60	
<b>32 31 13 13-0128 Driven Post Support For Wooden Fence Posts</b> <small>(32 31 13 13-0116)</small>		
32 31 13 13-0129 EA 24" Driven Post Support For 3-1/2" Square Wooden Fence Post..... Note: OZ-Post T4-600.	80.09	
32 31 13 13-0130 EA 34" Driven Post Support For 3-1/2" Square Wooden Fence Post..... Note: OZ-Post T4-850.	83.82	
32 31 13 13-0131 EA 34" Driven Post Support For 3-3/4" Square Wooden Fence Post..... Note: OZ-Post C4-850.	90.29	
32 31 13 13-0132 EA 34" Driven Post Support For 4" Square Wooden Fence Post..... Note: OZ-Post P4-850.	90.29	
32 31 13 13-0133 EA 36" Driven Post Support For 4" x 6" Wooden Fence Post ..... Note: OZ-Post T46-850.	102.30	
32 31 13 13-0134 EA 36" Driven Post Support For 6" Square Wooden Fence Post..... Note: OZ-Post T6-850.	110.80	
<b>32 31 13 13-0135 Driven Post Support For Vinyl Fence Posts</b> <small>(32 31 13 13-0116)</small>		
32 31 13 13-0136 EA 24" Driven Post Support For 3-1/2" Square Vinyl Fence Post ..... Note: OZ-Post T4-600.	80.09	
32 31 13 13-0137 EA 34" Driven Post Support For 3-1/2" Square Vinyl Fence Post ..... Note: OZ-Post T4-850.	83.82	
32 31 13 13-0138 EA 34" Driven Post Support For 4" Square Vinyl Fence Post..... Note: OZ-Post P4-850.	90.29	
32 31 13 13-0139 EA 34" Driven Post Support For 5" Square Vinyl Fence Post..... Note: OZ-Post P4-850.	91.77	
<b>32 31 13 13-0140 Chain Link Fence Assemblies</b> <small>(32 31 13 13)</small>		
<b>32 31 13 13-0141 Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts</b> <small>(32 31 13 13-0140)</small>		
Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvage), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Excludes grounding. Demolition excludes concrete footing removal on posts and excavation. See CSI section 26 05 26 00-0000 for grounding, 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0653 for barb wire attachments.		
<b>32 31 13 13-0142 Galvanized</b> <small>(32 31 13 13-0141)</small>		
32 31 13 13-0143 LF 3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	38.35	3.78
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>		
<i>For 13 Gauge Fabric, Deduct</i>		
<i>For 11 Gauge Fabric, Deduct</i>		
<i>For 6 Gauge Fabric, Add</i>		
<i>For 1" Mesh Fabric, Add</i>		
<i>For 1-3/4" Mesh Fabric, Add</i>		
<i>For 2-1/8" Mesh Fabric, Deduct</i>		
<i>For 2-3/8" Mesh Fabric, Deduct</i>		
<i>For Posts 8' On Centers, Add</i>		
<i>For Posts 5' On Centers, Add</i>		
<i>For Up To 100, Add</i>		
<i>For &gt;100 To 250, Add</i>		
<i>For &gt;2,500 To 5,000, Deduct</i>		
<i>For &gt;5,000, Deduct</i>		
32 31 13 13-0144 LF 3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	39.91	3.78
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>		
<i>For 13 Gauge Fabric, Deduct</i>		
<i>For 11 Gauge Fabric, Deduct</i>		
<i>For 6 Gauge Fabric, Add</i>		
<i>For 1" Mesh Fabric, Add</i>		
<i>For 1-3/4" Mesh Fabric, Add</i>		
<i>For 2-1/8" Mesh Fabric, Deduct</i>		
<i>For 2-3/8" Mesh Fabric, Deduct</i>		
<i>For Posts 8' On Centers, Add</i>		
<i>For Posts 5' On Centers, Add</i>		
<i>For Up To 100, Add</i>		
<i>For &gt;100 To 250, Add</i>		
<i>For &gt;2,500 To 5,000, Deduct</i>		
<i>For &gt;5,000, Deduct</i>		

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0145	LF	4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	41.28	3.78
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.83	
			<i>For 13 Gauge Fabric, Deduct</i>	-9.04	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.28	
			<i>For 6 Gauge Fabric, Add</i>	8.29	
			<i>For 1" Mesh Fabric, Add</i>	11.31	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.52	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.26	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.02	
			<i>For Posts 8' On Centers, Add</i>	2.25	
			<i>For Posts 5' On Centers, Add</i>	8.42	
			<i>For Up To 100, Add</i>	7.72	
			<i>For &gt;100 To 250, Add</i>	2.83	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.41	
			<i>For &gt;5,000, Deduct</i>	-2.83	
32 31 13	13-0146	LF	5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	44.48	3.78
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.01	
			<i>For 13 Gauge Fabric, Deduct</i>	-9.98	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.83	
			<i>For 6 Gauge Fabric, Add</i>	9.16	
			<i>For 1" Mesh Fabric, Add</i>	12.49	
			<i>For 1-3/4" Mesh Fabric, Add</i>	5.00	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.50	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.33	
			<i>For Posts 8' On Centers, Add</i>	2.41	
			<i>For Posts 5' On Centers, Add</i>	9.03	
			<i>For Up To 100, Add</i>	8.25	
			<i>For &gt;100 To 250, Add</i>	3.01	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.51	
			<i>For &gt;5,000, Deduct</i>	-3.01	
32 31 13	13-0147	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	48.26	3.78
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.25	
			<i>For 13 Gauge Fabric, Deduct</i>	-10.94	
			<i>For 11 Gauge Fabric, Deduct</i>	-6.39	
			<i>For 6 Gauge Fabric, Add</i>	10.04	
			<i>For 1" Mesh Fabric, Add</i>	13.69	
			<i>For 1-3/4" Mesh Fabric, Add</i>	5.48	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.74	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.65	
			<i>For Posts 8' On Centers, Add</i>	2.61	
			<i>For Posts 5' On Centers, Add</i>	9.78	
			<i>For Up To 100, Add</i>	8.92	
			<i>For &gt;100 To 250, Add</i>	3.25	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.63	
			<i>For &gt;5,000, Deduct</i>	-3.25	
32 31 13	13-0148	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	50.13	5.67
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.38	
			<i>For 13 Gauge Fabric, Deduct</i>	-11.37	
			<i>For 11 Gauge Fabric, Deduct</i>	-6.64	
			<i>For 6 Gauge Fabric, Add</i>	10.43	
			<i>For 1" Mesh Fabric, Add</i>	14.23	
			<i>For 1-3/4" Mesh Fabric, Add</i>	5.69	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.85	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.79	
			<i>For Posts 8' On Centers, Add</i>	2.72	
			<i>For Posts 5' On Centers, Add</i>	10.16	
			<i>For Up To 100, Add</i>	9.26	
			<i>For &gt;100 To 250, Add</i>	3.38	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.69	
			<i>For &gt;5,000, Deduct</i>	-3.38	
32 31 13	13-0149	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	56.96	6.61
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.78	
			<i>For 13 Gauge Fabric, Deduct</i>	-13.35	
			<i>For 11 Gauge Fabric, Deduct</i>	-7.80	
			<i>For 6 Gauge Fabric, Add</i>	12.25	
			<i>For 1" Mesh Fabric, Add</i>	16.71	
			<i>For 1-3/4" Mesh Fabric, Add</i>	6.68	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.34	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.46	
			<i>For Posts 8' On Centers, Add</i>	3.07	
			<i>For Posts 5' On Centers, Add</i>	11.46	
			<i>For Up To 100, Add</i>	10.40	
			<i>For &gt;100 To 250, Add</i>	3.78	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.89	
			<i>For &gt;5,000, Deduct</i>	-3.78	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0150 LF 9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	60.82	8.50
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.01	
<i>For 13 Gauge Fabric, Deduct</i>	-14.38	
<i>For 11 Gauge Fabric, Deduct</i>	-8.40	
<i>For 6 Gauge Fabric, Add</i>	13.20	
<i>For 1" Mesh Fabric, Add</i>	18.00	
<i>For 1-3/4" Mesh Fabric, Add</i>	7.20	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.60	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.80	
<i>For Posts 8' On Centers, Add</i>	3.27	
<i>For Posts 5' On Centers, Add</i>	12.21	
<i>For Up To 100, Add</i>	11.07	
<i>For &gt;100 To 250, Add</i>	4.01	
<i>For &gt;2,500 To 5,000, Deduct</i>	-2.01	
<i>For &gt;5,000, Deduct</i>	-4.01	
32 31 13 13-0151 LF 10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	64.70	9.44
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.25	
<i>For 13 Gauge Fabric, Deduct</i>	-15.42	
<i>For 11 Gauge Fabric, Deduct</i>	-9.01	
<i>For 6 Gauge Fabric, Add</i>	14.15	
<i>For 1" Mesh Fabric, Add</i>	19.30	
<i>For 1-3/4" Mesh Fabric, Add</i>	7.72	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.86	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.15	
<i>For Posts 8' On Centers, Add</i>	3.48	
<i>For Posts 5' On Centers, Add</i>	12.97	
<i>For Up To 100, Add</i>	11.74	
<i>For &gt;100 To 250, Add</i>	4.25	
<i>For &gt;2,500 To 5,000, Deduct</i>	-2.13	
<i>For &gt;5,000, Deduct</i>	-4.25	
32 31 13 13-0152 LF 12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	71.93	11.34
<i>For Each Additional Foot &gt;12, Add</i>	3.95	
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.70	
<i>For 13 Gauge Fabric, Deduct</i>	-17.34	
<i>For 11 Gauge Fabric, Deduct</i>	-10.13	
<i>For 6 Gauge Fabric, Add</i>	15.92	
<i>For 1" Mesh Fabric, Add</i>	21.71	
<i>For 1-3/4" Mesh Fabric, Add</i>	8.68	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-4.34	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.79	
<i>For Posts 8' On Centers, Add</i>	3.86	
<i>For Posts 5' On Centers, Add</i>	14.38	
<i>For Up To 100, Add</i>	12.99	
<i>For &gt;100 To 250, Add</i>	4.70	
<i>For &gt;2,500 To 5,000, Deduct</i>	-2.35	
<i>For &gt;5,000, Deduct</i>	-4.70	
<b>32 31 13 13-0153 Vinyl Coated</b> <small>(32 31 13 13-0141)</small>		
32 31 13 13-0154 LF 4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	42.87	3.78
<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.14	
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.91	
<i>For 13 Gauge Fabric, Deduct</i>	-9.59	
<i>For 11 Gauge Fabric, Deduct</i>	-5.60	
<i>For 6 Gauge Fabric, Add</i>	8.80	
<i>For 1" Mesh Fabric, Add</i>	12.00	
<i>For 1-3/4" Mesh Fabric, Add</i>	4.80	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.40	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.20	
<i>For Posts 8' On Centers, Add</i>	2.33	
<i>For Posts 5' On Centers, Add</i>	8.71	
<i>For Up To 100, Add</i>	7.96	
<i>For &gt;100 To 250, Add</i>	2.91	
<i>For &gt;2,500 To 5,000, Deduct</i>	-1.45	
<i>For &gt;5,000, Deduct</i>	-2.91	
32 31 13 13-0155 LF 5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	46.49	3.78
<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.61	
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.11	
<i>For 13 Gauge Fabric, Deduct</i>	-10.68	
<i>For 11 Gauge Fabric, Deduct</i>	-6.24	
<i>For 6 Gauge Fabric, Add</i>	9.80	
<i>For 1" Mesh Fabric, Add</i>	13.37	
<i>For 1-3/4" Mesh Fabric, Add</i>	5.35	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.67	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.56	
<i>For Posts 8' On Centers, Add</i>	2.51	
<i>For Posts 5' On Centers, Add</i>	9.39	
<i>For Up To 100, Add</i>	8.55	
<i>For &gt;100 To 250, Add</i>	3.11	
<i>For &gt;2,500 To 5,000, Deduct</i>	-1.56	
<i>For &gt;5,000, Deduct</i>	-3.11	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0156	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	52.32	3.78
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	5.33	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.46	
			<i>For 13 Gauge Fabric, Deduct</i>	-12.35	
			<i>For 11 Gauge Fabric, Deduct</i>	-7.21	
			<i>For 6 Gauge Fabric, Add</i>	11.33	
			<i>For 1" Mesh Fabric, Add</i>	15.46	
			<i>For 1-3/4" Mesh Fabric, Add</i>	6.18	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.09	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.12	
			<i>For Posts 8' On Centers, Add</i>	2.82	
			<i>For Posts 5' On Centers, Add</i>	10.51	
			<i>For Up To 100, Add</i>	9.53	
			<i>For &gt;100 To 250, Add</i>	3.46	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.73	
			<i>For &gt;5,000, Deduct</i>	-3.46	
32 31	13 13-0157	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	54.86	5.67
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	5.62	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.61	
			<i>For 13 Gauge Fabric, Deduct</i>	-13.01	
			<i>For 11 Gauge Fabric, Deduct</i>	-7.60	
			<i>For 6 Gauge Fabric, Add</i>	11.94	
			<i>For 1" Mesh Fabric, Add</i>	16.29	
			<i>For 1-3/4" Mesh Fabric, Add</i>	6.51	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.26	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.34	
			<i>For Posts 8' On Centers, Add</i>	2.95	
			<i>For Posts 5' On Centers, Add</i>	11.01	
			<i>For Up To 100, Add</i>	9.97	
			<i>For &gt;100 To 250, Add</i>	3.61	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.81	
			<i>For &gt;5,000, Deduct</i>	-3.61	
32 31	13 13-0158	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	62.48	6.61
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	6.59	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.05	
			<i>For 13 Gauge Fabric, Deduct</i>	-15.27	
			<i>For 11 Gauge Fabric, Deduct</i>	-8.92	
			<i>For 6 Gauge Fabric, Add</i>	14.01	
			<i>For 1" Mesh Fabric, Add</i>	19.11	
			<i>For 1-3/4" Mesh Fabric, Add</i>	7.64	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.82	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.10	
			<i>For Posts 8' On Centers, Add</i>	3.35	
			<i>For Posts 5' On Centers, Add</i>	12.45	
			<i>For Up To 100, Add</i>	11.23	
			<i>For &gt;100 To 250, Add</i>	4.05	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-2.03	
			<i>For &gt;5,000, Deduct</i>	-4.05	
32 31	13 13-0159	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	66.74	8.50
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	7.10	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.31	
			<i>For 13 Gauge Fabric, Deduct</i>	-16.44	
			<i>For 11 Gauge Fabric, Deduct</i>	-9.60	
			<i>For 6 Gauge Fabric, Add</i>	15.09	
			<i>For 1" Mesh Fabric, Add</i>	20.58	
			<i>For 1-3/4" Mesh Fabric, Add</i>	8.23	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-4.12	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.49	
			<i>For Posts 8' On Centers, Add</i>	3.57	
			<i>For Posts 5' On Centers, Add</i>	13.28	
			<i>For Up To 100, Add</i>	11.95	
			<i>For &gt;100 To 250, Add</i>	4.31	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-2.15	
			<i>For &gt;5,000, Deduct</i>	-4.31	
32 31	13 13-0160	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	71.02	9.44
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	7.60	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.57	
			<i>For 13 Gauge Fabric, Deduct</i>	-17.61	
			<i>For 11 Gauge Fabric, Deduct</i>	-10.29	
			<i>For 6 Gauge Fabric, Add</i>	16.17	
			<i>For 1" Mesh Fabric, Add</i>	22.05	
			<i>For 1-3/4" Mesh Fabric, Add</i>	8.82	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-4.41	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.88	
			<i>For Posts 8' On Centers, Add</i>	3.79	
			<i>For Posts 5' On Centers, Add</i>	14.11	
			<i>For Up To 100, Add</i>	12.69	
			<i>For &gt;100 To 250, Add</i>	4.57	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-2.28	
			<i>For &gt;5,000, Deduct</i>	-4.57	





<b>Exterior Improvements</b>	<b>32</b>
Site Improvements	32 30
Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0161 LF 12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	77.49	11.34
<i>For Each Additional Foot &gt;12, Add</i>	4.20	
<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	8.32	
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.98	
<i>For 13 Gauge Fabric, Deduct</i>	-19.28	
<i>For 11 Gauge Fabric, Deduct</i>	-11.26	
<i>For 6 Gauge Fabric, Add</i>	17.69	
<i>For 1" Mesh Fabric, Add</i>	24.13	
<i>For 1-3/4" Mesh Fabric, Add</i>	9.65	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-4.83	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-6.43	
<i>For Posts 8' On Centers, Add</i>	4.14	
<i>For Posts 5' On Centers, Add</i>	15.38	
<i>For Up To 100, Add</i>	13.83	
<i>For &gt;100 To 250, Add</i>	4.98	
<i>For &gt;2,500 To 5,000, Deduct</i>	-2.49	
<i>For &gt;5,000, Deduct</i>	-4.98	
<b>32 31 13 13-0162 Rails</b> <small>(32 31 13 13)</small>		
Note: Includes rail end fittings.		
<b>32 31 13 13-0163 SS-20 Chain Link Fence Rails</b> <small>(32 31 13 13-0162)</small>		
Note: Includes tie wires.		
32 31 13 13-0164 LF 1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	6.91	1.23
<i>For SS15, Deduct</i>	-0.44	
<i>For SS40, Add</i>	1.09	
32 31 13 13-0165 LF 1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	8.38	1.23
<i>For SS40, Add</i>	0.58	
<i>For Powder Coated, Add</i>	1.17	
<i>For Aluminum Coated, Add</i>	2.33	
32 31 13 13-0166 LF 1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	8.59	1.39
<i>For SS15, Deduct</i>	-0.58	
<i>For SS40, Add</i>	1.45	
32 31 13 13-0167 LF 1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	10.55	1.39
<i>For SS40, Add</i>	0.78	
<i>For Powder Coated, Add</i>	1.55	
<i>For Aluminum Coated, Add</i>	3.11	
32 31 13 13-0168 LF 2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	10.08	1.55
<i>For SS40, Add</i>	1.74	
32 31 13 13-0169 LF 2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	12.43	1.55
<i>For SS40, Add</i>	0.93	
<i>For Powder Coated, Add</i>	1.86	
<i>For Aluminum Coated, Add</i>	3.73	
<b>32 31 13 13-0170 Fabric</b> <small>(32 31 13 13)</small>		
<b>32 31 13 13-0171 Fabric, Galvanized Chain Link</b> <small>(32 31 13 13-0170)</small>		
32 31 13 13-0172 LF 3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	11.14	2.23
<i>For 1-1/4" Mesh Fabric, Add</i>	1.09	
<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	0.98	
<i>For 13 Gauge Fabric, Deduct</i>	-1.76	
<i>For 11 Gauge Fabric, Deduct</i>	-0.98	
<i>For 6 Gauge Fabric, Add</i>	3.13	
<i>For 1" Mesh Fabric, Add</i>	2.93	
<i>For 1-1/4" Mesh Fabric, Add</i>	1.96	
<i>For 1-3/4" Mesh Fabric, Add</i>	1.17	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.59	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.78	
32 31 13 13-0173 LF 3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	12.34	2.50
<i>For 1-1/4" Mesh Fabric, Add</i>	1.28	
<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	1.14	
<i>For 13 Gauge Fabric, Deduct</i>	-2.05	
<i>For 11 Gauge Fabric, Deduct</i>	-1.14	
<i>For 6 Gauge Fabric, Add</i>	3.65	
<i>For 1" Mesh Fabric, Add</i>	3.42	
<i>For 1-1/4" Mesh Fabric, Add</i>	2.28	
<i>For 1-3/4" Mesh Fabric, Add</i>	1.37	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.68	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.91	
32 31 13 13-0174 LF 4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	13.36	2.78
<i>For 1-1/4" Mesh Fabric, Add</i>	1.41	
<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	1.26	
<i>For 13 Gauge Fabric, Deduct</i>	-2.26	
<i>For 11 Gauge Fabric, Deduct</i>	-1.26	
<i>For 6 Gauge Fabric, Add</i>	4.02	
<i>For 1" Mesh Fabric, Add</i>	3.77	
<i>For 1-1/4" Mesh Fabric, Add</i>	2.51	
<i>For 1-3/4" Mesh Fabric, Add</i>	1.51	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.75	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.00	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0175	LF	5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	15.15	3.34
			For 1-1/4" Mesh Fabric, Add	1.75	
			For 2 Oz Galvanized Or Zinc Coating, Add	1.57	
			For 13 Gauge Fabric, Deduct	-2.82	
			For 11 Gauge Fabric, Deduct	-1.57	
			For 6 Gauge Fabric, Add	5.01	
			For 1" Mesh Fabric, Add	4.70	
			For 1-1/4" Mesh Fabric, Add	3.13	
			For 1-3/4" Mesh Fabric, Add	1.88	
			For 2-1/8" Mesh Fabric, Deduct	-0.94	
			For 2-3/8" Mesh Fabric, Deduct	-1.25	
32 31 13	13-0176	LF	6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	17.05	3.89
			For 1-1/4" Mesh Fabric, Add	2.11	
			For 2 Oz Galvanized Or Zinc Coating, Add	1.88	
			For 13 Gauge Fabric, Deduct	-3.38	
			For 11 Gauge Fabric, Deduct	-1.88	
			For 6 Gauge Fabric, Add	6.02	
			For 1" Mesh Fabric, Add	5.64	
			For 1-1/4" Mesh Fabric, Add	3.76	
			For 1-3/4" Mesh Fabric, Add	2.26	
			For 2-1/8" Mesh Fabric, Deduct	-1.13	
			For 2-3/8" Mesh Fabric, Deduct	-1.50	
32 31 13	13-0177	LF	7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	19.02	4.45
			For 1-1/4" Mesh Fabric, Add	2.45	
			For 2 Oz Galvanized Or Zinc Coating, Add	2.19	
			For 13 Gauge Fabric, Deduct	-3.94	
			For 11 Gauge Fabric, Deduct	-2.19	
			For 6 Gauge Fabric, Add	7.01	
			For 1" Mesh Fabric, Add	6.57	
			For 1-1/4" Mesh Fabric, Add	4.38	
			For 1-3/4" Mesh Fabric, Add	2.63	
			For 2-1/8" Mesh Fabric, Deduct	-1.31	
			For 2-3/8" Mesh Fabric, Deduct	-1.75	
32 31 13	13-0178	LF	8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	21.14	5.55
			For 1-1/4" Mesh Fabric, Add	2.81	
			For 2 Oz Galvanized Or Zinc Coating, Add	2.51	
			For 13 Gauge Fabric, Deduct	-4.51	
			For 11 Gauge Fabric, Deduct	-2.51	
			For 6 Gauge Fabric, Add	8.02	
			For 1" Mesh Fabric, Add	7.52	
			For 1-1/4" Mesh Fabric, Add	5.01	
			For 1-3/4" Mesh Fabric, Add	3.01	
			For 2-1/8" Mesh Fabric, Deduct	-1.50	
			For 2-3/8" Mesh Fabric, Deduct	-2.00	
32 31 13	13-0179	LF	10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	25.28	6.12
			For 1-1/4" Mesh Fabric, Add	3.64	
			For 2 Oz Galvanized Or Zinc Coating, Add	3.25	
			For 13 Gauge Fabric, Deduct	-5.85	
			For 11 Gauge Fabric, Deduct	-3.25	
			For 6 Gauge Fabric, Add	10.41	
			For 1" Mesh Fabric, Add	9.76	
			For 1-1/4" Mesh Fabric, Add	6.51	
			For 1-3/4" Mesh Fabric, Add	3.90	
			For 2-1/8" Mesh Fabric, Deduct	-1.95	
			For 2-3/8" Mesh Fabric, Deduct	-2.60	
32 31 13	13-0180	LF	12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	28.93	6.67
			For 1-1/4" Mesh Fabric, Add	4.37	
			For 2 Oz Galvanized Or Zinc Coating, Add	3.90	
			For 13 Gauge Fabric, Deduct	-7.02	
			For 11 Gauge Fabric, Deduct	-3.90	
			For 6 Gauge Fabric, Add	12.47	
			For 1" Mesh Fabric, Add	11.69	
			For 1-1/4" Mesh Fabric, Add	7.80	
			For 1-3/4" Mesh Fabric, Add	4.68	
			For 2-1/8" Mesh Fabric, Deduct	-2.34	
			For 2-3/8" Mesh Fabric, Deduct	-3.12	
32 31 13	13-0181	LF	14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	32.31	7.78
			For 1-1/4" Mesh Fabric, Add	4.69	
			For 2 Oz Galvanized Or Zinc Coating, Add	4.19	
			For 13 Gauge Fabric, Deduct	-7.54	
			For 11 Gauge Fabric, Deduct	-4.19	
			For 6 Gauge Fabric, Add	13.40	
			For 1" Mesh Fabric, Add	12.56	
			For 1-1/4" Mesh Fabric, Add	8.38	
			For 1-3/4" Mesh Fabric, Add	5.03	
			For 2-1/8" Mesh Fabric, Deduct	-2.51	
			For 2-3/8" Mesh Fabric, Deduct	-3.35	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0182 LF 16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	35.70	8.89
For 1-1/4" Mesh Fabric, Add	5.01	
For 2 Oz Galvanized Or Zinc Coating, Add	4.48	
For 13 Gauge Fabric, Deduct	-8.06	
For 11 Gauge Fabric, Deduct	-4.48	
For 6 Gauge Fabric, Add	14.33	
For 1" Mesh Fabric, Add	13.43	
For 1-1/4" Mesh Fabric, Add	8.96	
For 1-3/4" Mesh Fabric, Add	5.37	
For 2-1/8" Mesh Fabric, Deduct	-2.69	
For 2-3/8" Mesh Fabric, Deduct	-3.58	
<b>32 31 13 13-0183 Fabric, Vinyl Coated Chain Link (32 31 13 13-0170)</b>		
32 31 13 13-0184 LF 4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	14.95	2.23
For 1-1/4" Mesh Fabric, Add	1.85	
For 13 Gauge Fabric, Deduct	-2.97	
For 11 Gauge Fabric, Deduct	-1.65	
For 6 Gauge Fabric, Add	5.29	
For 1" Mesh Fabric, Add	4.96	
For 1-1/4" Mesh Fabric, Add	3.31	
For 1-3/4" Mesh Fabric, Add	1.98	
For 2-1/8" Mesh Fabric, Deduct	-0.99	
For 2-3/8" Mesh Fabric, Deduct	-1.32	
For Aluminum Coated, Add	2.64	
32 31 13 13-0185 LF 5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	17.15	3.34
For 1-1/4" Mesh Fabric, Add	2.31	
For 13 Gauge Fabric, Deduct	-3.72	
For 11 Gauge Fabric, Deduct	-2.07	
For 6 Gauge Fabric, Add	6.61	
For 1" Mesh Fabric, Add	6.20	
For 1-1/4" Mesh Fabric, Add	4.13	
For 1-3/4" Mesh Fabric, Add	2.48	
For 2-1/8" Mesh Fabric, Deduct	-1.24	
For 2-3/8" Mesh Fabric, Deduct	-1.65	
For Aluminum Coated, Add	3.30	
32 31 13 13-0186 LF 6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	21.12	3.89
For 1-1/4" Mesh Fabric, Add	3.25	
For 13 Gauge Fabric, Deduct	-5.22	
For 11 Gauge Fabric, Deduct	-2.90	
For 6 Gauge Fabric, Add	9.27	
For 1" Mesh Fabric, Add	8.69	
For 1-1/4" Mesh Fabric, Add	5.80	
For 1-3/4" Mesh Fabric, Add	3.48	
For 2-1/8" Mesh Fabric, Deduct	-1.74	
For 2-3/8" Mesh Fabric, Deduct	-2.32	
For Aluminum Coated, Add	4.64	
32 31 13 13-0187 LF 7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	23.75	4.45
For 1-1/4" Mesh Fabric, Add	3.78	
For 13 Gauge Fabric, Deduct	-6.07	
For 11 Gauge Fabric, Deduct	-3.37	
For 6 Gauge Fabric, Add	10.79	
For 1" Mesh Fabric, Add	10.12	
For 1-1/4" Mesh Fabric, Add	6.75	
For 1-3/4" Mesh Fabric, Add	4.05	
For 2-1/8" Mesh Fabric, Deduct	-2.02	
For 2-3/8" Mesh Fabric, Deduct	-2.70	
For Aluminum Coated, Add	5.40	
32 31 13 13-0188 LF 8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	26.65	5.55
For 1-1/4" Mesh Fabric, Add	4.35	
For 13 Gauge Fabric, Deduct	-6.99	
For 11 Gauge Fabric, Deduct	-3.88	
For 6 Gauge Fabric, Add	12.42	
For 1" Mesh Fabric, Add	11.65	
For 1-1/4" Mesh Fabric, Add	7.77	
For 1-3/4" Mesh Fabric, Add	4.66	
For 2-1/8" Mesh Fabric, Deduct	-2.33	
For 2-3/8" Mesh Fabric, Deduct	-3.11	
For Aluminum Coated, Add	6.21	
32 31 13 13-0189 LF 10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	31.60	6.12
For 1-1/4" Mesh Fabric, Add	5.41	
For 13 Gauge Fabric, Deduct	-8.70	
For 11 Gauge Fabric, Deduct	-4.83	
For 6 Gauge Fabric, Add	15.46	
For 1" Mesh Fabric, Add	14.50	
For 1-1/4" Mesh Fabric, Add	9.67	
For 1-3/4" Mesh Fabric, Add	5.80	
For 2-1/8" Mesh Fabric, Deduct	-2.90	
For 2-3/8" Mesh Fabric, Deduct	-3.87	
For Aluminum Coated, Add	7.73	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0190	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	34.49	6.67
			<i>For 1-1/4" Mesh Fabric, Add</i>	5.92	
			<i>For 13 Gauge Fabric, Deduct</i>	-9.52	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.29	
			<i>For 6 Gauge Fabric, Add</i>	16.92	
			<i>For 1" Mesh Fabric, Add</i>	15.86	
			<i>For 1-1/4" Mesh Fabric, Add</i>	10.58	
			<i>For 1-3/4" Mesh Fabric, Add</i>	6.35	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.17	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.23	
			<i>For Aluminum Coated, Add</i>	8.46	
32 31 13	13-0191	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	38.84	7.78
			<i>For 1-1/4" Mesh Fabric, Add</i>	6.52	
			<i>For 13 Gauge Fabric, Deduct</i>	-10.48	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.82	
			<i>For 6 Gauge Fabric, Add</i>	18.62	
			<i>For 1" Mesh Fabric, Add</i>	17.46	
			<i>For 1-1/4" Mesh Fabric, Add</i>	11.64	
			<i>For 1-3/4" Mesh Fabric, Add</i>	6.98	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.49	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.66	
			<i>For Aluminum Coated, Add</i>	9.31	
32 31 13	13-0192	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	43.30	8.89
			<i>For 1-1/4" Mesh Fabric, Add</i>	7.14	
			<i>For 13 Gauge Fabric, Deduct</i>	-11.48	
			<i>For 11 Gauge Fabric, Deduct</i>	-6.38	
			<i>For 6 Gauge Fabric, Add</i>	20.41	
			<i>For 1" Mesh Fabric, Add</i>	19.13	
			<i>For 1-1/4" Mesh Fabric, Add</i>	12.76	
			<i>For 1-3/4" Mesh Fabric, Add</i>	7.65	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.83	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.10	
			<i>For Aluminum Coated, Add</i>	10.20	
<b>32 31 13</b>	<b>13-0193</b>		<b>Fabric, Aluminized Steel Chain Link <small>(32 31 13 13-0170)</small></b>		
32 31 13	13-0194	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	10.61	2.23
			<i>For 6 Gauge Fabric, Add</i>	2.70	
			<i>For 1" Mesh Fabric, Add</i>	3.55	
32 31 13	13-0195	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh.....	11.70	2.50
			<i>For 6 Gauge Fabric, Add</i>	3.14	
			<i>For 1" Mesh Fabric, Add</i>	4.12	
32 31 13	13-0196	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	12.83	2.78
			<i>For 6 Gauge Fabric, Add</i>	3.59	
			<i>For 1" Mesh Fabric, Add</i>	4.71	
32 31 13	13-0197	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh.....	14.50	3.34
			<i>For 6 Gauge Fabric, Add</i>	4.49	
			<i>For 1" Mesh Fabric, Add</i>	5.89	
32 31 13	13-0198	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	16.24	3.89
			<i>For 6 Gauge Fabric, Add</i>	5.37	
			<i>For 1" Mesh Fabric, Add</i>	7.05	
32 31 13	13-0199	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh.....	18.11	4.45
			<i>For 6 Gauge Fabric, Add</i>	6.28	
			<i>For 1" Mesh Fabric, Add</i>	8.24	
32 31 13	13-0200	LF	8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	20.08	5.55
			<i>For 6 Gauge Fabric, Add</i>	7.17	
			<i>For 1" Mesh Fabric, Add</i>	9.41	
32 31 13	13-0201	LF	10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	23.47	6.12
			<i>For 6 Gauge Fabric, Add</i>	8.96	
			<i>For 1" Mesh Fabric, Add</i>	11.76	
32 31 13	13-0202	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	26.78	6.67
			<i>For 6 Gauge Fabric, Add</i>	10.75	
			<i>For 1" Mesh Fabric, Add</i>	14.11	
<b>32 31 13</b>	<b>13-0203</b>		<b>Fabric, All Aluminum Chain Link <small>(32 31 13 13-0170)</small></b>		
32 31 13	13-0204	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh.....	16.06	2.23
			<i>For 6 Gauge Fabric, Add</i>	7.06	
			<i>For 1" Mesh Fabric, Add</i>	9.27	
32 31 13	13-0205	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh .....	18.08	2.50
			<i>For 6 Gauge Fabric, Add</i>	8.24	
			<i>For 1" Mesh Fabric, Add</i>	10.82	
32 31 13	13-0206	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh .....	20.11	2.78
			<i>For 6 Gauge Fabric, Add</i>	9.42	
			<i>For 1" Mesh Fabric, Add</i>	12.36	
32 31 13	13-0207	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh.....	23.60	3.34
			<i>For 6 Gauge Fabric, Add</i>	11.77	
			<i>For 1" Mesh Fabric, Add</i>	15.45	
32 31 13	13-0208	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh.....	27.19	3.89
			<i>For 6 Gauge Fabric, Add</i>	14.13	
			<i>For 1" Mesh Fabric, Add</i>	18.54	
32 31 13	13-0209	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh.....	30.86	4.45
			<i>For 6 Gauge Fabric, Add</i>	16.48	
			<i>For 1" Mesh Fabric, Add</i>	21.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0210 LF 8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	34.66 18.83 24.72	5.55
32 31 13 13-0211 LF 10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	41.70 23.54 30.90	6.12
32 31 13 13-0212 LF 12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	48.65 28.25 37.08	6.67
<b>32 31 13 13-0213 Fence Inserts</b> <small>(32 31 13 13-0170)</small> Note: For use with new or existing chain link fence, per lf of fence.		
<b>32 31 13 13-0214 Vinyl Plastic Fence Inserts</b> <small>(32 31 13 13-0213)</small> Note: Assorted colors.		
32 31 13 13-0215 LF 3' High Fence, Vinyl Plastic Fence Insert.....	8.87	
32 31 13 13-0216 LF 3-1/2' High Fence, Vinyl Plastic Fence Insert.....	10.10	
32 31 13 13-0217 LF 4' High Fence, Vinyl Plastic Fence Insert.....	11.13	
32 31 13 13-0218 LF 5' High Fence, Vinyl Plastic Fence Insert.....	13.97	
32 31 13 13-0219 LF 6' High Fence, Vinyl Plastic Fence Insert.....	16.71	
32 31 13 13-0220 LF 7' High Fence, Vinyl Plastic Fence Insert.....	19.54	
32 31 13 13-0221 LF 8' High Fence, Vinyl Plastic Fence Insert.....	22.29	
32 31 13 13-0222 LF 10' High Fence, Vinyl Plastic Fence Insert.....	27.30	
<b>32 31 13 13-0223 Aluminum Fence Inserts</b> <small>(32 31 13 13-0213)</small> Note: Assorted colors.		
32 31 13 13-0224 LF 3' High Fence, Aluminum Fence Insert.....	30.95	
32 31 13 13-0225 LF 3-1/2' High Fence, Aluminum Fence Insert.....	33.93	
32 31 13 13-0226 LF 4' High Fence, Aluminum Fence Insert.....	38.46	
32 31 13 13-0227 LF 5' High Fence, Aluminum Fence Insert.....	48.12	
32 31 13 13-0228 LF 6' High Fence, Aluminum Fence Insert.....	57.74	
32 31 13 13-0229 LF 7' High Fence, Aluminum Fence Insert.....	62.64	
32 31 13 13-0230 LF 8' High Fence, Aluminum Fence Insert.....	76.97	
32 31 13 13-0231 LF 10' High Fence, Aluminum Fence Insert.....	95.97	
<b>32 31 13 13-0232 Redwood Fence Inserts</b> <small>(32 31 13 13-0213)</small>		
32 31 13 13-0233 LF 4' High Fence, Redwood Fence Insert.....	12.89	
32 31 13 13-0234 LF 5' High Fence, Redwood Fence Insert.....	16.29	
32 31 13 13-0235 LF 6' High Fence, Redwood Fence Insert.....	19.57	
32 31 13 13-0236 LF 7' High Fence, Redwood Fence Insert.....	22.78	
32 31 13 13-0237 LF 8' High Fence, Redwood Fence Insert.....	26.07	
<b>32 31 13 13-0238 Diagonal Flexible Polyethylene Inserts</b> <small>(32 31 13 13-0213)</small>		
32 31 13 13-0239 SF Diagonal Polyethylene Fence Weave.....	3.53	
<b>32 31 13 13-0240 Hedge Link Fence Inserts</b> <small>(32 31 13 13-0213)</small>		
32 31 13 13-0241 LF 3' High Fence, Hedge Link Fence Insert.....	19.25	
32 31 13 13-0242 LF 3-1/2' High Fence, Hedge Link Fence Insert.....	21.92	
32 31 13 13-0243 LF 4' High Fence, Hedge Link Fence Insert.....	25.61	
32 31 13 13-0244 LF 5' High Fence, Hedge Link Fence Insert.....	31.56	
32 31 13 13-0245 LF 6' High Fence, Hedge Link Fence Insert.....	36.02	
32 31 13 13-0246 LF 7' High Fence, Hedge Link Fence Insert.....	45.67	
32 31 13 13-0247 LF 8' High Fence, Hedge Link Fence Insert.....	51.85	
32 31 13 13-0248 LF 10' High Fence, Hedge Link Fence Insert.....	62.06	
32 31 13 13-0249 LF 12' High Fence, Hedge Link Fence Insert.....	71.20	
<b>32 31 13 13-0250 Fence Windscreen Fabric</b> <small>(32 31 13 13-0170)</small> Note: Includes plastic wire clips.		
32 31 13 13-0251 SF Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY..... <i>For Sewn Boxed Vent (Each), Add</i> <i>For Welded Boxed Vent (Each), Add</i> <i>For 4' x 4' One Color Logo (Each), Add</i>	1.17 27.11 13.55 564.75	0.50
<b>32 31 13 13-0252 Non-Climbable Fabric, Galvanized Chain Link</b> <small>(32 31 13 13-0170)</small>		
32 31 13 13-0253 LF 3' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh..... <i>For 11 Gauge, Deduct</i> <i>For 10 Gauge, Deduct</i> <i>For 7 Gauge, Add</i> <i>For 6 Gauge, Add</i> <i>For 1/2" Mesh Fabric, Deduct</i> <i>For 5/8" Mesh Fabric, Deduct</i> <i>For 3/4" Mesh Fabric, Deduct</i>	31.20 -4.79 -1.92 2.88 6.71 -1.20 -2.64 -3.84	2.23

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0254	LF		3'-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	35.74	2.50
			For 11 Gauge, Deduct	-5.59	
			For 10 Gauge, Deduct	-2.24	
			For 7 Gauge, Add	3.36	
			For 6 Gauge, Add	7.83	
			For 1/2" Mesh Fabric, Deduct	-1.40	
			For 5/8" Mesh Fabric, Deduct	-3.08	
			For 3/4" Mesh Fabric, Deduct	-4.47	
32 31 13 13-0255	LF		4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	40.33	2.78
			For 11 Gauge, Deduct	-6.40	
			For 10 Gauge, Deduct	-2.56	
			For 7 Gauge, Add	3.84	
			For 6 Gauge, Add	8.96	
			For 1/2" Mesh Fabric, Deduct	-1.60	
			For 5/8" Mesh Fabric, Deduct	-3.52	
			For 3/4" Mesh Fabric, Deduct	-5.12	
32 31 13 13-0256	LF		5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	48.86	3.34
			For 11 Gauge, Deduct	-7.99	
			For 10 Gauge, Deduct	-3.20	
			For 7 Gauge, Add	4.80	
			For 6 Gauge, Add	11.19	
			For 1/2" Mesh Fabric, Deduct	-2.00	
			For 5/8" Mesh Fabric, Deduct	-4.40	
			For 3/4" Mesh Fabric, Deduct	-6.40	
32 31 13 13-0257	LF		6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	57.47	3.89
			For 11 Gauge, Deduct	-9.59	
			For 10 Gauge, Deduct	-3.84	
			For 7 Gauge, Add	5.75	
			For 6 Gauge, Add	13.42	
			For 1/2" Mesh Fabric, Deduct	-2.40	
			For 5/8" Mesh Fabric, Deduct	-5.27	
			For 3/4" Mesh Fabric, Deduct	-7.67	
32 31 13 13-0258	LF		7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	66.20	4.45
			For 11 Gauge, Deduct	-11.19	
			For 10 Gauge, Deduct	-4.48	
			For 7 Gauge, Add	6.71	
			For 6 Gauge, Add	15.66	
			For 1/2" Mesh Fabric, Deduct	-2.80	
			For 5/8" Mesh Fabric, Deduct	-6.15	
			For 3/4" Mesh Fabric, Deduct	-8.95	
32 31 13 13-0259	LF		8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	75.06	5.55
			For 11 Gauge, Deduct	-12.79	
			For 10 Gauge, Deduct	-5.12	
			For 7 Gauge, Add	7.67	
			For 6 Gauge, Add	17.90	
			For 1/2" Mesh Fabric, Deduct	-3.20	
			For 5/8" Mesh Fabric, Deduct	-7.03	
			For 3/4" Mesh Fabric, Deduct	-10.23	
32 31 13 13-0260	LF		9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	82.84	5.84
			For 11 Gauge, Deduct	-14.23	
			For 10 Gauge, Deduct	-5.69	
			For 7 Gauge, Add	8.54	
			For 6 Gauge, Add	19.93	
			For 1/2" Mesh Fabric, Deduct	-3.56	
			For 5/8" Mesh Fabric, Deduct	-7.83	
			For 3/4" Mesh Fabric, Deduct	-11.39	
32 31 13 13-0261	LF		10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	90.67	6.12
			For 11 Gauge, Deduct	-15.68	
			For 10 Gauge, Deduct	-6.27	
			For 7 Gauge, Add	9.41	
			For 6 Gauge, Add	21.95	
			For 1/2" Mesh Fabric, Deduct	-3.92	
			For 5/8" Mesh Fabric, Deduct	-8.62	
			For 3/4" Mesh Fabric, Deduct	-12.54	
32 31 13 13-0262	LF		12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	98.33	6.67
			For 11 Gauge, Deduct	-17.00	
			For 10 Gauge, Deduct	-6.80	
			For 7 Gauge, Add	10.20	
			For 6 Gauge, Add	23.80	
			For 1/2" Mesh Fabric, Deduct	-4.25	
			For 5/8" Mesh Fabric, Deduct	-9.35	
			For 3/4" Mesh Fabric, Deduct	-13.60	

**32 31 13 13-0263****Gates** (32 31 13 13)

Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

**32 31 13 13-0264****Galvanized Steel Without Barbed Wire** (32 31 13 13-0263)

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

**32 31 13 13-0265****4' Fence Height** (32 31 13 13-0264)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0266 EA 3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	342.35	21.97
For Gate With Single Barb Wire Arm, Add	30.11	
For Gate With Double Barb Wire Arm, Add	43.79	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-51.32	
For Aluminized Steel Gate And Post, Add	131.38	
For Powder Coated Gate And Post, Add	71.16	
For 1" Mesh Fabric, Add	119.06	
For 1-1/4" Mesh Fabric, Add	76.64	
For 1-3/4" Mesh Fabric, Add	47.63	
For 2-1/8" Mesh Fabric, Deduct	-23.81	
32 31 13 13-0267 EA 4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	433.59	22.88
For Gate With Single Barb Wire Arm, Add	40.14	
For Gate With Double Barb Wire Arm, Add	58.39	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-68.43	
For Aluminized Steel Gate And Post, Add	175.18	
For Powder Coated Gate And Post, Add	94.89	
For 1" Mesh Fabric, Add	158.75	
For 1-1/4" Mesh Fabric, Add	102.19	
For 1-3/4" Mesh Fabric, Add	63.50	
For 2-1/8" Mesh Fabric, Deduct	-31.75	
32 31 13 13-0268 EA 5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	513.83	24.35
For Gate With Single Barb Wire Arm, Add	48.47	
For Gate With Double Barb Wire Arm, Add	70.50	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-82.61	
For Aluminized Steel Gate And Post, Add	211.49	
For Powder Coated Gate And Post, Add	114.56	
For 1" Mesh Fabric, Add	191.67	
For 1-1/4" Mesh Fabric, Add	123.37	
For 1-3/4" Mesh Fabric, Add	76.67	
For 2-1/8" Mesh Fabric, Deduct	-38.33	
32 31 13 13-0269 EA 6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	604.15	29.28
For Gate With Single Barb Wire Arm, Add	56.79	
For Gate With Double Barb Wire Arm, Add	82.60	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-96.80	
For Aluminized Steel Gate And Post, Add	247.81	
For Powder Coated Gate And Post, Add	134.23	
For 1" Mesh Fabric, Add	224.58	
For 1-1/4" Mesh Fabric, Add	144.56	
For 1-3/4" Mesh Fabric, Add	89.83	
For 2-1/8" Mesh Fabric, Deduct	-44.92	
32 31 13 13-0270 EA 7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	694.45	34.13
For Gate With Single Barb Wire Arm, Add	65.11	
For Gate With Double Barb Wire Arm, Add	94.71	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-110.99	
For Aluminized Steel Gate And Post, Add	284.13	
For Powder Coated Gate And Post, Add	153.90	
For 1" Mesh Fabric, Add	257.49	
For 1-1/4" Mesh Fabric, Add	165.74	
For 1-3/4" Mesh Fabric, Add	103.00	
For 2-1/8" Mesh Fabric, Deduct	-51.50	
32 31 13 13-0271 EA 8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	787.86	38.99
For Gate With Single Barb Wire Arm, Add	73.78	
For Gate With Double Barb Wire Arm, Add	107.31	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-125.76	
For Aluminized Steel Gate And Post, Add	321.94	
For Powder Coated Gate And Post, Add	174.38	
For 1" Mesh Fabric, Add	291.76	
For 1-1/4" Mesh Fabric, Add	187.80	
For 1-3/4" Mesh Fabric, Add	116.70	
For 2-1/8" Mesh Fabric, Deduct	-58.35	
32 31 13 13-0272 EA 9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	878.16	43.93
For Gate With Single Barb Wire Arm, Add	82.10	
For Gate With Double Barb Wire Arm, Add	119.42	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-139.94	
For Aluminized Steel Gate And Post, Add	358.26	
For Powder Coated Gate And Post, Add	194.06	
For 1" Mesh Fabric, Add	324.67	
For 1-1/4" Mesh Fabric, Add	208.98	
For 1-3/4" Mesh Fabric, Add	129.87	
For 2-1/8" Mesh Fabric, Deduct	-64.93	
32 31 13 13-0273 EA 10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	969.79	48.78
For Gate With Single Barb Wire Arm, Add	90.57	
For Gate With Double Barb Wire Arm, Add	131.74	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-154.38	
For Aluminized Steel Gate And Post, Add	395.21	
For Powder Coated Gate And Post, Add	214.07	
For 1" Mesh Fabric, Add	358.16	
For 1-1/4" Mesh Fabric, Add	230.54	
For 1-3/4" Mesh Fabric, Add	143.26	
For 2-1/8" Mesh Fabric, Deduct	-71.63	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0274	EA	10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	1,241.29	48.78
			<i>For Gate With Single Barb Wire Arm, Add</i>	120.43	
			<i>For Gate With Double Barb Wire Arm, Add</i>	175.18	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-205.28	
			<i>For Aluminized Steel Gate And Post, Add</i>	525.53	
			<i>For Powder Coated Gate And Post, Add</i>	284.66	
			<i>For 1" Mesh Fabric, Add</i>	476.26	
			<i>For 1-1/4" Mesh Fabric, Add</i>	306.56	
			<i>For 1-3/4" Mesh Fabric, Add</i>	190.50	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-95.25	
32 31 13	13-0275	EA	12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	1,470.72	52.26
			<i>For Gate With Single Barb Wire Arm, Add</i>	144.52	
			<i>For Gate With Double Barb Wire Arm, Add</i>	210.21	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-246.34	
			<i>For Aluminized Steel Gate And Post, Add</i>	630.63	
			<i>For Powder Coated Gate And Post, Add</i>	341.59	
			<i>For 1" Mesh Fabric, Add</i>	571.51	
			<i>For 1-1/4" Mesh Fabric, Add</i>	367.87	
			<i>For 1-3/4" Mesh Fabric, Add</i>	228.60	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-114.30	
32 31 13	13-0276	EA	14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	1,701.76	56.29
			<i>For Gate With Single Barb Wire Arm, Add</i>	168.61	
			<i>For Gate With Double Barb Wire Arm, Add</i>	245.25	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-287.40	
			<i>For Aluminized Steel Gate And Post, Add</i>	735.74	
			<i>For Powder Coated Gate And Post, Add</i>	398.53	
			<i>For 1" Mesh Fabric, Add</i>	666.76	
			<i>For 1-1/4" Mesh Fabric, Add</i>	429.18	
			<i>For 1-3/4" Mesh Fabric, Add</i>	266.71	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-133.35	
32 31 13	13-0277	EA	16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	1,934.81	60.96
			<i>For Gate With Single Barb Wire Arm, Add</i>	192.69	
			<i>For Gate With Double Barb Wire Arm, Add</i>	280.28	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-328.46	
			<i>For Aluminized Steel Gate And Post, Add</i>	840.84	
			<i>For Powder Coated Gate And Post, Add</i>	455.46	
			<i>For 1" Mesh Fabric, Add</i>	762.02	
			<i>For 1-1/4" Mesh Fabric, Add</i>	490.49	
			<i>For 1-3/4" Mesh Fabric, Add</i>	304.81	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-152.40	
32 31 13	13-0278	EA	18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	2,202.85	77.26
			<i>For Gate With Single Barb Wire Arm, Add</i>	216.78	
			<i>For Gate With Double Barb Wire Arm, Add</i>	315.32	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-369.51	
			<i>For Aluminized Steel Gate And Post, Add</i>	945.95	
			<i>For Powder Coated Gate And Post, Add</i>	512.39	
			<i>For 1" Mesh Fabric, Add</i>	857.27	
			<i>For 1-1/4" Mesh Fabric, Add</i>	551.80	
			<i>For 1-3/4" Mesh Fabric, Add</i>	342.91	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-171.45	
32 31 13	13-0279	EA	20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	2,438.41	82.80
			<i>For Gate With Single Barb Wire Arm, Add</i>	240.87	
			<i>For Gate With Double Barb Wire Arm, Add</i>	350.35	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-410.57	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,051.06	
			<i>For Powder Coated Gate And Post, Add</i>	569.32	
			<i>For 1" Mesh Fabric, Add</i>	952.52	
			<i>For 1-1/4" Mesh Fabric, Add</i>	613.12	
			<i>For 1-3/4" Mesh Fabric, Add</i>	381.01	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-190.50	
32 31 13	13-0280	EA	22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	2,671.16	89.22
			<i>For Gate With Single Barb Wire Arm, Add</i>	264.37	
			<i>For Gate With Double Barb Wire Arm, Add</i>	384.53	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-450.62	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,153.59	
			<i>For Powder Coated Gate And Post, Add</i>	624.86	
			<i>For 1" Mesh Fabric, Add</i>	1,045.44	
			<i>For 1-1/4" Mesh Fabric, Add</i>	672.93	
			<i>For 1-3/4" Mesh Fabric, Add</i>	418.18	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-209.09	
32 31 13	13-0281	EA	24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	2,907.11	96.62
			<i>For Gate With Single Barb Wire Arm, Add</i>	287.86	
			<i>For Gate With Double Barb Wire Arm, Add</i>	418.71	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-490.68	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,256.14	
			<i>For Powder Coated Gate And Post, Add</i>	680.41	
			<i>For 1" Mesh Fabric, Add</i>	1,138.37	
			<i>For 1-1/4" Mesh Fabric, Add</i>	732.75	
			<i>For 1-3/4" Mesh Fabric, Add</i>	455.35	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-227.67	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	32 31	13	13-0282	EA 26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire ..... 3,147.12		105.43
				<i>For Gate With Single Barb Wire Arm, Add</i>	311.36	
				<i>For Gate With Double Barb Wire Arm, Add</i>	452.89	
				<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-530.73	
				<i>For Aluminized Steel Gate And Post, Add</i>	1,358.68	
				<i>For Powder Coated Gate And Post, Add</i>	735.95	
				<i>For 1" Mesh Fabric, Add</i>	1,231.30	
				<i>For 1-1/4" Mesh Fabric, Add</i>	792.56	
				<i>For 1-3/4" Mesh Fabric, Add</i>	492.52	
				<i>For 2-1/8" Mesh Fabric, Deduct</i>	-246.26	
	32 31	13	13-0283	EA 28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire ..... 3,312.29		116.00
				<i>For Gate With Single Barb Wire Arm, Add</i>	326.05	
				<i>For Gate With Double Barb Wire Arm, Add</i>	474.26	
				<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-555.77	
				<i>For Aluminized Steel Gate And Post, Add</i>	1,422.77	
				<i>For Powder Coated Gate And Post, Add</i>	770.67	
				<i>For 1" Mesh Fabric, Add</i>	1,289.38	
				<i>For 1-1/4" Mesh Fabric, Add</i>	829.95	
				<i>For 1-3/4" Mesh Fabric, Add</i>	515.75	
				<i>For 2-1/8" Mesh Fabric, Deduct</i>	-257.88	
	32 31	13	13-0284	EA 30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire ..... 3,671.41		128.83
				<i>For Gate With Single Barb Wire Arm, Add</i>	361.30	
				<i>For Gate With Double Barb Wire Arm, Add</i>	525.53	
				<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-615.85	
				<i>For Aluminized Steel Gate And Post, Add</i>	1,576.58	
				<i>For Powder Coated Gate And Post, Add</i>	853.98	
				<i>For 1" Mesh Fabric, Add</i>	1,428.77	
				<i>For 1-1/4" Mesh Fabric, Add</i>	919.67	
				<i>For 1-3/4" Mesh Fabric, Add</i>	571.51	
				<i>For 2-1/8" Mesh Fabric, Deduct</i>	-285.75	
	32 31	13	13-0285	<b>5' Fence Height</b> (32 31 13 13-0264) ..... 411.47		24.35
				EA 3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire ..... 37.21		
				<i>For Gate With Single Barb Wire Arm, Add</i>	54.12	
				<i>For Gate With Double Barb Wire Arm, Add</i>	-63.42	
				<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	162.36	
				<i>For Aluminized Steel Gate And Post, Add</i>	87.95	
				<i>For Powder Coated Gate And Post, Add</i>	147.14	
				<i>For 1" Mesh Fabric, Add</i>	94.71	
				<i>For 1-1/4" Mesh Fabric, Add</i>	58.86	
				<i>For 1-3/4" Mesh Fabric, Add</i>	-29.43	
				<i>For 2-1/8" Mesh Fabric, Deduct</i>		
				EA 4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire ..... 522.73		24.35
				<i>For Gate With Single Barb Wire Arm, Add</i>	49.45	
				<i>For Gate With Double Barb Wire Arm, Add</i>	71.92	
				<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-84.28	
				<i>For Aluminized Steel Gate And Post, Add</i>	215.76	
				<i>For Powder Coated Gate And Post, Add</i>	116.87	
				<i>For 1" Mesh Fabric, Add</i>	195.54	
				<i>For 1-1/4" Mesh Fabric, Add</i>	125.86	
				<i>For 1-3/4" Mesh Fabric, Add</i>	78.21	
				<i>For 2-1/8" Mesh Fabric, Deduct</i>	-39.11	
				EA 5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire ..... 611.88		25.90
				<i>For Gate With Single Barb Wire Arm, Add</i>	58.75	
				<i>For Gate With Double Barb Wire Arm, Add</i>	85.45	
				<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-100.14	
				<i>For Aluminized Steel Gate And Post, Add</i>	256.35	
				<i>For Powder Coated Gate And Post, Add</i>	138.86	
				<i>For 1" Mesh Fabric, Add</i>	232.32	
				<i>For 1-1/4" Mesh Fabric, Add</i>	149.54	
				<i>For 1-3/4" Mesh Fabric, Add</i>	92.93	
				<i>For 2-1/8" Mesh Fabric, Deduct</i>	-46.46	
				EA 6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire ..... 716.45		31.12
				<i>For Gate With Single Barb Wire Arm, Add</i>	68.54	
				<i>For Gate With Double Barb Wire Arm, Add</i>	99.69	
				<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-116.83	
				<i>For Aluminized Steel Gate And Post, Add</i>	299.08	
				<i>For Powder Coated Gate And Post, Add</i>	162.00	
				<i>For 1" Mesh Fabric, Add</i>	271.04	
				<i>For 1-1/4" Mesh Fabric, Add</i>	174.46	
				<i>For 1-3/4" Mesh Fabric, Add</i>	108.42	
				<i>For 2-1/8" Mesh Fabric, Deduct</i>	-54.21	
				EA 7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire ..... 812.11		36.25
				<i>For Gate With Single Barb Wire Arm, Add</i>	77.35	
				<i>For Gate With Double Barb Wire Arm, Add</i>	112.51	
				<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-131.85	
				<i>For Aluminized Steel Gate And Post, Add</i>	337.53	
				<i>For Powder Coated Gate And Post, Add</i>	182.83	
				<i>For 1" Mesh Fabric, Add</i>	305.89	
				<i>For 1-1/4" Mesh Fabric, Add</i>	196.89	
				<i>For 1-3/4" Mesh Fabric, Add</i>	122.36	
				<i>For 2-1/8" Mesh Fabric, Deduct</i>	-61.18	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0291	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	917.60	41.73
			<i>For Gate With Single Barb Wire Arm, Add</i>	87.14	
			<i>For Gate With Double Barb Wire Arm, Add</i>	126.75	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-148.54	
			<i>For Aluminized Steel Gate And Post, Add</i>	380.26	
			<i>For Powder Coated Gate And Post, Add</i>	205.97	
			<i>For 1" Mesh Fabric, Add</i>	344.61	
			<i>For 1-1/4" Mesh Fabric, Add</i>	221.82	
			<i>For 1-3/4" Mesh Fabric, Add</i>	137.84	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-68.92	
32 31	13 13-0292	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	1,017.72	46.96
			<i>For Gate With Single Barb Wire Arm, Add</i>	96.44	
			<i>For Gate With Double Barb Wire Arm, Add</i>	140.28	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-164.39	
			<i>For Aluminized Steel Gate And Post, Add</i>	420.85	
			<i>For Powder Coated Gate And Post, Add</i>	227.96	
			<i>For 1" Mesh Fabric, Add</i>	381.39	
			<i>For 1-1/4" Mesh Fabric, Add</i>	245.50	
			<i>For 1-3/4" Mesh Fabric, Add</i>	152.56	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-76.28	
32 31	13 13-0293	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	1,117.84	52.07
			<i>For Gate With Single Barb Wire Arm, Add</i>	105.75	
			<i>For Gate With Double Barb Wire Arm, Add</i>	153.81	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-180.25	
			<i>For Aluminized Steel Gate And Post, Add</i>	461.44	
			<i>For Powder Coated Gate And Post, Add</i>	249.95	
			<i>For 1" Mesh Fabric, Add</i>	418.18	
			<i>For 1-1/4" Mesh Fabric, Add</i>	269.17	
			<i>For 1-3/4" Mesh Fabric, Add</i>	167.27	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-83.64	
32 31	13 13-0294	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	1,513.44	52.26
			<i>For Gate With Single Barb Wire Arm, Add</i>	149.22	
			<i>For Gate With Double Barb Wire Arm, Add</i>	217.05	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-254.35	
			<i>For Aluminized Steel Gate And Post, Add</i>	651.14	
			<i>For Powder Coated Gate And Post, Add</i>	352.70	
			<i>For 1" Mesh Fabric, Add</i>	590.09	
			<i>For 1-1/4" Mesh Fabric, Add</i>	379.83	
			<i>For 1-3/4" Mesh Fabric, Add</i>	236.04	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-118.02	
32 31	13 13-0295	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	1,797.89	56.29
			<i>For Gate With Single Barb Wire Arm, Add</i>	179.18	
			<i>For Gate With Double Barb Wire Arm, Add</i>	260.63	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-305.42	
			<i>For Aluminized Steel Gate And Post, Add</i>	781.88	
			<i>For Powder Coated Gate And Post, Add</i>	423.52	
			<i>For 1" Mesh Fabric, Add</i>	708.58	
			<i>For 1-1/4" Mesh Fabric, Add</i>	456.10	
			<i>For 1-3/4" Mesh Fabric, Add</i>	283.43	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-141.72	
32 31	13 13-0296	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	2,084.35	60.96
			<i>For Gate With Single Barb Wire Arm, Add</i>	209.14	
			<i>For Gate With Double Barb Wire Arm, Add</i>	304.21	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-356.49	
			<i>For Aluminized Steel Gate And Post, Add</i>	912.62	
			<i>For Powder Coated Gate And Post, Add</i>	494.34	
			<i>For 1" Mesh Fabric, Add</i>	827.07	
			<i>For 1-1/4" Mesh Fabric, Add</i>	532.36	
			<i>For 1-3/4" Mesh Fabric, Add</i>	330.83	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-165.41	
32 31	13 13-0297	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	2,405.79	77.26
			<i>For Gate With Single Barb Wire Arm, Add</i>	239.10	
			<i>For Gate With Double Barb Wire Arm, Add</i>	347.79	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-407.56	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,043.36	
			<i>For Powder Coated Gate And Post, Add</i>	565.15	
			<i>For 1" Mesh Fabric, Add</i>	945.55	
			<i>For 1-1/4" Mesh Fabric, Add</i>	608.63	
			<i>For 1-3/4" Mesh Fabric, Add</i>	378.22	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-189.11	
32 31	13 13-0298	EA	18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	2,689.42	82.80
			<i>For Gate With Single Barb Wire Arm, Add</i>	268.48	
			<i>For Gate With Double Barb Wire Arm, Add</i>	390.51	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-457.63	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,171.54	
			<i>For Powder Coated Gate And Post, Add</i>	634.58	
			<i>For 1" Mesh Fabric, Add</i>	1,061.71	
			<i>For 1-1/4" Mesh Fabric, Add</i>	683.40	
			<i>For 1-3/4" Mesh Fabric, Add</i>	424.68	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-212.34	



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0299 EA 20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	2,986.27	89.22
For Gate With Single Barb Wire Arm, Add	299.03	
For Gate With Double Barb Wire Arm, Add	434.95	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-509.71	
For Aluminized Steel Gate And Post, Add	1,304.85	
For Powder Coated Gate And Post, Add	706.79	
For 1" Mesh Fabric, Add	1,182.52	
For 1-1/4" Mesh Fabric, Add	761.16	
For 1-3/4" Mesh Fabric, Add	473.01	
For 2-1/8" Mesh Fabric, Deduct	-236.50	
32 31 13 13-0300 EA 22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	3,280.96	96.62
For Gate With Single Barb Wire Arm, Add	328.99	
For Gate With Double Barb Wire Arm, Add	478.53	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-560.78	
For Aluminized Steel Gate And Post, Add	1,435.58	
For Powder Coated Gate And Post, Add	777.61	
For 1" Mesh Fabric, Add	1,301.00	
For 1-1/4" Mesh Fabric, Add	837.42	
For 1-3/4" Mesh Fabric, Add	520.40	
For 2-1/8" Mesh Fabric, Deduct	-260.20	
32 31 13 13-0301 EA 24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	3,574.38	105.43
For Gate With Single Barb Wire Arm, Add	358.36	
For Gate With Double Barb Wire Arm, Add	521.25	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-610.85	
For Aluminized Steel Gate And Post, Add	1,563.76	
For Powder Coated Gate And Post, Add	847.04	
For 1" Mesh Fabric, Add	1,417.16	
For 1-1/4" Mesh Fabric, Add	912.20	
For 1-3/4" Mesh Fabric, Add	566.86	
For 2-1/8" Mesh Fabric, Deduct	-283.43	
32 31 13 13-0302 EA 26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	3,883.75	116.00
For Gate With Single Barb Wire Arm, Add	388.91	
For Gate With Double Barb Wire Arm, Add	565.69	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-662.92	
For Aluminized Steel Gate And Post, Add	1,697.07	
For Powder Coated Gate And Post, Add	919.25	
For 1" Mesh Fabric, Add	1,537.97	
For 1-1/4" Mesh Fabric, Add	989.96	
For 1-3/4" Mesh Fabric, Add	615.19	
For 2-1/8" Mesh Fabric, Deduct	-307.59	
32 31 13 13-0303 EA 28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	4,191.44	128.83
For Gate With Single Barb Wire Arm, Add	418.50	
For Gate With Double Barb Wire Arm, Add	608.73	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-713.36	
For Aluminized Steel Gate And Post, Add	1,826.19	
For Powder Coated Gate And Post, Add	989.19	
For 1" Mesh Fabric, Add	1,654.99	
For 1-1/4" Mesh Fabric, Add	1,065.28	
For 1-3/4" Mesh Fabric, Add	662.00	
For 2-1/8" Mesh Fabric, Deduct	-331.00	
32 31 13 13-0304 EA 30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	4,504.87	144.94
For Gate With Single Barb Wire Arm, Add	447.66	
For Gate With Double Barb Wire Arm, Add	651.14	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-763.06	
For Aluminized Steel Gate And Post, Add	1,953.42	
For Powder Coated Gate And Post, Add	1,058.10	
For 1" Mesh Fabric, Add	1,770.29	
For 1-1/4" Mesh Fabric, Add	1,139.50	
For 1-3/4" Mesh Fabric, Add	708.12	
For 2-1/8" Mesh Fabric, Deduct	-354.06	
<b>32 31 13 13-0305 6' Fence Height (32 31 13 13-0264)</b>		
32 31 13 13-0306 EA 3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire .....	441.17	26.08
For Gate With Single Barb Wire Arm, Add	39.90	
For Gate With Double Barb Wire Arm, Add	58.04	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-68.01	
For Aluminized Steel Gate And Post, Add	174.11	
For Powder Coated Gate And Post, Add	94.31	
For 1" Mesh Fabric, Add	157.78	
For 1-1/4" Mesh Fabric, Add	101.56	
For 1-3/4" Mesh Fabric, Add	63.11	
For 2-1/8" Mesh Fabric, Deduct	-31.56	
32 31 13 13-0307 EA 4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire .....	561.34	26.08
For Gate With Single Barb Wire Arm, Add	53.12	
For Gate With Double Barb Wire Arm, Add	77.26	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-90.54	
For Aluminized Steel Gate And Post, Add	231.79	
For Powder Coated Gate And Post, Add	125.55	
For 1" Mesh Fabric, Add	210.06	
For 1-1/4" Mesh Fabric, Add	135.21	
For 1-3/4" Mesh Fabric, Add	84.02	
For 2-1/8" Mesh Fabric, Deduct	-42.01	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0308	EA 5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	658.10	27.73
	For Gate With Single Barb Wire Arm, Add	63.23	
	For Gate With Double Barb Wire Arm, Add	91.97	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-107.78	
	For Aluminized Steel Gate And Post, Add	275.90	
	For Powder Coated Gate And Post, Add	149.45	
	For 1" Mesh Fabric, Add	250.04	
	For 1-1/4" Mesh Fabric, Add	160.94	
	For 1-3/4" Mesh Fabric, Add	100.02	
	For 2-1/8" Mesh Fabric, Deduct	-50.01	
32 31 13 13-0309	EA 6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	763.82	33.50
	For Gate With Single Barb Wire Arm, Add	72.95	
	For Gate With Double Barb Wire Arm, Add	106.10	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-124.34	
	For Aluminized Steel Gate And Post, Add	318.31	
	For Powder Coated Gate And Post, Add	172.42	
	For 1" Mesh Fabric, Add	288.47	
	For 1-1/4" Mesh Fabric, Add	185.68	
	For 1-3/4" Mesh Fabric, Add	115.39	
	For 2-1/8" Mesh Fabric, Deduct	-57.69	
32 31 13 13-0310	EA 7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	874.66	39.36
	For Gate With Single Barb Wire Arm, Add	83.23	
	For Gate With Double Barb Wire Arm, Add	121.06	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-141.86	
	For Aluminized Steel Gate And Post, Add	363.17	
	For Powder Coated Gate And Post, Add	196.72	
	For 1" Mesh Fabric, Add	329.12	
	For 1-1/4" Mesh Fabric, Add	211.85	
	For 1-3/4" Mesh Fabric, Add	131.65	
	For 2-1/8" Mesh Fabric, Deduct	-65.82	
32 31 13 13-0311	EA 8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	980.15	44.84
	For Gate With Single Barb Wire Arm, Add	93.02	
	For Gate With Double Barb Wire Arm, Add	135.30	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-158.55	
	For Aluminized Steel Gate And Post, Add	405.89	
	For Powder Coated Gate And Post, Add	219.86	
	For 1" Mesh Fabric, Add	367.84	
	For 1-1/4" Mesh Fabric, Add	236.77	
	For 1-3/4" Mesh Fabric, Add	147.14	
	For 2-1/8" Mesh Fabric, Deduct	-73.57	
32 31 13 13-0312	EA 9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	1,086.56	50.62
	For Gate With Single Barb Wire Arm, Add	102.81	
	For Gate With Double Barb Wire Arm, Add	149.54	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-175.24	
	For Aluminized Steel Gate And Post, Add	448.62	
	For Powder Coated Gate And Post, Add	243.00	
	For 1" Mesh Fabric, Add	406.56	
	For 1-1/4" Mesh Fabric, Add	261.70	
	For 1-3/4" Mesh Fabric, Add	162.63	
	For 2-1/8" Mesh Fabric, Deduct	-81.31	
32 31 13 13-0313	EA 10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	1,152.89	56.38
	For Gate With Single Barb Wire Arm, Add	108.19	
	For Gate With Double Barb Wire Arm, Add	157.37	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-184.42	
	For Aluminized Steel Gate And Post, Add	472.12	
	For Powder Coated Gate And Post, Add	255.73	
	For 1" Mesh Fabric, Add	427.86	
	For 1-1/4" Mesh Fabric, Add	275.40	
	For 1-3/4" Mesh Fabric, Add	171.14	
	For 2-1/8" Mesh Fabric, Deduct	-85.57	
32 31 13 13-0314	EA 10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire.....	1,616.31	56.29
	For Gate With Single Barb Wire Arm, Add	159.21	
	For Gate With Double Barb Wire Arm, Add	231.57	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-271.38	
	For Aluminized Steel Gate And Post, Add	694.72	
	For Powder Coated Gate And Post, Add	376.31	
	For 1" Mesh Fabric, Add	629.59	
	For 1-1/4" Mesh Fabric, Add	405.26	
	For 1-3/4" Mesh Fabric, Add	251.84	
	For 2-1/8" Mesh Fabric, Deduct	-125.92	
32 31 13 13-0315	EA 12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire.....	1,918.78	60.96
	For Gate With Single Barb Wire Arm, Add	190.93	
	For Gate With Double Barb Wire Arm, Add	277.72	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-325.45	
	For Aluminized Steel Gate And Post, Add	833.15	
	For Powder Coated Gate And Post, Add	451.29	
	For 1" Mesh Fabric, Add	755.04	
	For 1-1/4" Mesh Fabric, Add	486.00	
	For 1-3/4" Mesh Fabric, Add	302.02	
	For 2-1/8" Mesh Fabric, Deduct	-151.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0316 EA 14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	2,278.18	82.80
For Gate With Single Barb Wire Arm, Add	223.24	
For Gate With Double Barb Wire Arm, Add	324.72	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-380.53	
For Aluminized Steel Gate And Post, Add	974.15	
For Powder Coated Gate And Post, Add	527.66	
For 1" Mesh Fabric, Add	882.82	
For 1-1/4" Mesh Fabric, Add	568.25	
For 1-3/4" Mesh Fabric, Add	353.13	
For 2-1/8" Mesh Fabric, Deduct	-176.56	
32 31 13 13-0317 EA 16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	2,585.71	89.22
For Gate With Single Barb Wire Arm, Add	254.97	
For Gate With Double Barb Wire Arm, Add	370.86	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-434.60	
For Aluminized Steel Gate And Post, Add	1,112.58	
For Powder Coated Gate And Post, Add	602.65	
For 1" Mesh Fabric, Add	1,008.27	
For 1-1/4" Mesh Fabric, Add	649.00	
For 1-3/4" Mesh Fabric, Add	403.31	
For 2-1/8" Mesh Fabric, Deduct	-201.65	
32 31 13 13-0318 EA 18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	2,901.77	96.62
For Gate With Single Barb Wire Arm, Add	287.28	
For Gate With Double Barb Wire Arm, Add	417.86	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-489.68	
For Aluminized Steel Gate And Post, Add	1,253.57	
For Powder Coated Gate And Post, Add	679.02	
For 1" Mesh Fabric, Add	1,136.05	
For 1-1/4" Mesh Fabric, Add	731.25	
For 1-3/4" Mesh Fabric, Add	454.42	
For 2-1/8" Mesh Fabric, Deduct	-227.21	
32 31 13 13-0319 EA 20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	3,221.89	105.43
For Gate With Single Barb Wire Arm, Add	319.59	
For Gate With Double Barb Wire Arm, Add	464.86	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-544.75	
For Aluminized Steel Gate And Post, Add	1,394.57	
For Powder Coated Gate And Post, Add	755.39	
For 1" Mesh Fabric, Add	1,263.83	
For 1-1/4" Mesh Fabric, Add	813.50	
For 1-3/4" Mesh Fabric, Add	505.53	
For 2-1/8" Mesh Fabric, Deduct	-252.77	
32 31 13 13-0320 EA 22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	3,541.94	116.00
For Gate With Single Barb Wire Arm, Add	351.31	
For Gate With Double Barb Wire Arm, Add	511.00	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-598.83	
For Aluminized Steel Gate And Post, Add	1,533.00	
For Powder Coated Gate And Post, Add	830.38	
For 1" Mesh Fabric, Add	1,389.28	
For 1-1/4" Mesh Fabric, Add	894.25	
For 1-3/4" Mesh Fabric, Add	555.71	
For 2-1/8" Mesh Fabric, Deduct	-277.86	
32 31 13 13-0321 EA 24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	3,871.69	128.83
For Gate With Single Barb Wire Arm, Add	383.33	
For Gate With Double Barb Wire Arm, Add	557.57	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-653.40	
For Aluminized Steel Gate And Post, Add	1,672.71	
For Powder Coated Gate And Post, Add	906.05	
For 1" Mesh Fabric, Add	1,515.90	
For 1-1/4" Mesh Fabric, Add	975.75	
For 1-3/4" Mesh Fabric, Add	606.36	
For 2-1/8" Mesh Fabric, Deduct	-303.18	
32 31 13 13-0322 EA 26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	4,207.92	144.94
For Gate With Single Barb Wire Arm, Add	414.99	
For Gate With Double Barb Wire Arm, Add	603.63	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-707.38	
For Aluminized Steel Gate And Post, Add	1,810.89	
For Powder Coated Gate And Post, Add	980.90	
For 1" Mesh Fabric, Add	1,641.12	
For 1-1/4" Mesh Fabric, Add	1,056.35	
For 1-3/4" Mesh Fabric, Add	656.45	
For 2-1/8" Mesh Fabric, Deduct	-328.22	
32 31 13 13-0323 EA 28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	4,561.70	165.61
For Gate With Single Barb Wire Arm, Add	447.07	
For Gate With Double Barb Wire Arm, Add	650.29	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-762.05	
For Aluminized Steel Gate And Post, Add	1,950.86	
For Powder Coated Gate And Post, Add	1,056.72	
For 1" Mesh Fabric, Add	1,767.97	
For 1-1/4" Mesh Fabric, Add	1,138.00	
For 1-3/4" Mesh Fabric, Add	707.19	
For 2-1/8" Mesh Fabric, Deduct	-353.59	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0324	EA		30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	4,936.75	193.24
			<i>For Gate With Single Barb Wire Arm, Add</i>	479.21	
			<i>For Gate With Double Barb Wire Arm, Add</i>	697.03	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-816.83	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,091.09	
			<i>For Powder Coated Gate And Post, Add</i>	1,132.67	
			<i>For 1" Mesh Fabric, Add</i>	1,895.05	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,219.80	
			<i>For 1-3/4" Mesh Fabric, Add</i>	758.02	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-379.01	
<b>32 31 13 13-0325</b>			<b>7' Fence Height</b> <small>(32 31 13 13-0264)</small>		
32 31 13 13-0326	EA		3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	462.79	28.09
			<i>For Gate With Single Barb Wire Arm, Add</i>	41.61	
			<i>For Gate With Double Barb Wire Arm, Add</i>	60.53	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-70.93	
			<i>For Aluminized Steel Gate And Post, Add</i>	181.58	
			<i>For Powder Coated Gate And Post, Add</i>	98.36	
			<i>For 1" Mesh Fabric, Add</i>	164.56	
			<i>For 1-1/4" Mesh Fabric, Add</i>	105.92	
			<i>For 1-3/4" Mesh Fabric, Add</i>	65.82	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-32.91	
32 31 13 13-0327	EA		4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	587.41	28.09
			<i>For Gate With Single Barb Wire Arm, Add</i>	55.32	
			<i>For Gate With Double Barb Wire Arm, Add</i>	80.47	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-94.30	
			<i>For Aluminized Steel Gate And Post, Add</i>	241.40	
			<i>For Powder Coated Gate And Post, Add</i>	130.76	
			<i>For 1" Mesh Fabric, Add</i>	218.77	
			<i>For 1-1/4" Mesh Fabric, Add</i>	140.82	
			<i>For 1-3/4" Mesh Fabric, Add</i>	87.51	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-43.75	
32 31 13 13-0328	EA		5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	692.64	29.56
			<i>For Gate With Single Barb Wire Arm, Add</i>	66.42	
			<i>For Gate With Double Barb Wire Arm, Add</i>	96.62	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-113.22	
			<i>For Aluminized Steel Gate And Post, Add</i>	289.85	
			<i>For Powder Coated Gate And Post, Add</i>	157.00	
			<i>For 1" Mesh Fabric, Add</i>	262.68	
			<i>For 1-1/4" Mesh Fabric, Add</i>	169.08	
			<i>For 1-3/4" Mesh Fabric, Add</i>	105.07	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-52.54	
32 31 13 13-0329	EA		6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	848.93	35.97
			<i>For Gate With Single Barb Wire Arm, Add</i>	81.50	
			<i>For Gate With Double Barb Wire Arm, Add</i>	118.55	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-138.93	
			<i>For Aluminized Steel Gate And Post, Add</i>	355.65	
			<i>For Powder Coated Gate And Post, Add</i>	192.64	
			<i>For 1" Mesh Fabric, Add</i>	322.31	
			<i>For 1-1/4" Mesh Fabric, Add</i>	207.46	
			<i>For 1-3/4" Mesh Fabric, Add</i>	128.92	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-64.46	
32 31 13 13-0330	EA		7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	1,004.36	42.10
			<i>For Gate With Single Barb Wire Arm, Add</i>	96.59	
			<i>For Gate With Double Barb Wire Arm, Add</i>	140.49	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-164.64	
			<i>For Aluminized Steel Gate And Post, Add</i>	421.47	
			<i>For Powder Coated Gate And Post, Add</i>	228.30	
			<i>For 1" Mesh Fabric, Add</i>	381.96	
			<i>For 1-1/4" Mesh Fabric, Add</i>	245.86	
			<i>For 1-3/4" Mesh Fabric, Add</i>	152.78	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-76.39	
32 31 13 13-0331	EA		8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	1,160.66	48.41
			<i>For Gate With Single Barb Wire Arm, Add</i>	111.67	
			<i>For Gate With Double Barb Wire Arm, Add</i>	162.42	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-190.34	
			<i>For Aluminized Steel Gate And Post, Add</i>	487.27	
			<i>For Powder Coated Gate And Post, Add</i>	263.94	
			<i>For 1" Mesh Fabric, Add</i>	441.59	
			<i>For 1-1/4" Mesh Fabric, Add</i>	284.24	
			<i>For 1-3/4" Mesh Fabric, Add</i>	176.63	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-88.32	
32 31 13 13-0332	EA		9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	1,316.09	54.55
			<i>For Gate With Single Barb Wire Arm, Add</i>	126.75	
			<i>For Gate With Double Barb Wire Arm, Add</i>	184.36	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-216.05	
			<i>For Aluminized Steel Gate And Post, Add</i>	553.08	
			<i>For Powder Coated Gate And Post, Add</i>	299.59	
			<i>For 1" Mesh Fabric, Add</i>	501.23	
			<i>For 1-1/4" Mesh Fabric, Add</i>	322.63	
			<i>For 1-3/4" Mesh Fabric, Add</i>	200.49	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-100.25	



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0333 EA 10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	1,447.69	60.96
For Gate With Single Barb Wire Arm, Add	139.11	
For Gate With Double Barb Wire Arm, Add	202.34	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-237.12	
For Aluminized Steel Gate And Post, Add	607.03	
For Powder Coated Gate And Post, Add	328.81	
For 1" Mesh Fabric, Add	550.12	
For 1-1/4" Mesh Fabric, Add	354.10	
For 1-3/4" Mesh Fabric, Add	220.05	
For 2-1/8" Mesh Fabric, Deduct	-110.02	
32 31 13 13-0334 EA 10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	1,843.05	60.96
For Gate With Single Barb Wire Arm, Add	182.60	
For Gate With Double Barb Wire Arm, Add	265.60	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-311.25	
For Aluminized Steel Gate And Post, Add	796.80	
For Powder Coated Gate And Post, Add	431.60	
For 1" Mesh Fabric, Add	722.10	
For 1-1/4" Mesh Fabric, Add	464.80	
For 1-3/4" Mesh Fabric, Add	288.84	
For 2-1/8" Mesh Fabric, Deduct	-144.42	
32 31 13 13-0335 EA 12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	2,094.49	82.80
For Gate With Single Barb Wire Arm, Add	203.04	
For Gate With Double Barb Wire Arm, Add	295.32	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-346.08	
For Aluminized Steel Gate And Post, Add	885.97	
For Powder Coated Gate And Post, Add	479.90	
For 1" Mesh Fabric, Add	802.91	
For 1-1/4" Mesh Fabric, Add	516.82	
For 1-3/4" Mesh Fabric, Add	321.17	
For 2-1/8" Mesh Fabric, Deduct	-160.58	
32 31 13 13-0336 EA 14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	2,421.25	89.22
For Gate With Single Barb Wire Arm, Add	236.88	
For Gate With Double Barb Wire Arm, Add	344.55	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-403.76	
For Aluminized Steel Gate And Post, Add	1,033.64	
For Powder Coated Gate And Post, Add	559.89	
For 1" Mesh Fabric, Add	936.73	
For 1-1/4" Mesh Fabric, Add	602.95	
For 1-3/4" Mesh Fabric, Add	374.69	
For 2-1/8" Mesh Fabric, Deduct	-187.35	
32 31 13 13-0337 EA 16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	2,725.53	96.62
For Gate With Single Barb Wire Arm, Add	267.89	
For Gate With Double Barb Wire Arm, Add	389.66	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-456.63	
For Aluminized Steel Gate And Post, Add	1,168.98	
For Powder Coated Gate And Post, Add	633.20	
For 1" Mesh Fabric, Add	1,059.39	
For 1-1/4" Mesh Fabric, Add	681.90	
For 1-3/4" Mesh Fabric, Add	423.75	
For 2-1/8" Mesh Fabric, Deduct	-211.88	
32 31 13 13-0338 EA 18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	3,061.67	105.43
For Gate With Single Barb Wire Arm, Add	301.96	
For Gate With Double Barb Wire Arm, Add	439.22	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-514.71	
For Aluminized Steel Gate And Post, Add	1,317.66	
For Powder Coated Gate And Post, Add	713.73	
For 1" Mesh Fabric, Add	1,194.13	
For 1-1/4" Mesh Fabric, Add	768.64	
For 1-3/4" Mesh Fabric, Add	477.65	
For 2-1/8" Mesh Fabric, Deduct	-238.83	
32 31 13 13-0339 EA 20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	3,397.74	116.00
For Gate With Single Barb Wire Arm, Add	335.45	
For Gate With Double Barb Wire Arm, Add	487.93	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-571.79	
For Aluminized Steel Gate And Post, Add	1,463.78	
For Powder Coated Gate And Post, Add	792.88	
For 1" Mesh Fabric, Add	1,326.55	
For 1-1/4" Mesh Fabric, Add	853.87	
For 1-3/4" Mesh Fabric, Add	530.62	
For 2-1/8" Mesh Fabric, Deduct	-265.31	
32 31 13 13-0340 EA 22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	3,740.84	128.83
For Gate With Single Barb Wire Arm, Add	368.94	
For Gate With Double Barb Wire Arm, Add	536.64	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-628.87	
For Aluminized Steel Gate And Post, Add	1,609.91	
For Powder Coated Gate And Post, Add	872.03	
For 1" Mesh Fabric, Add	1,458.98	
For 1-1/4" Mesh Fabric, Add	939.11	
For 1-3/4" Mesh Fabric, Add	583.59	
For 2-1/8" Mesh Fabric, Deduct	-291.80	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0341	EA	24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	4,093.63	144.94
		<i>For Gate With Single Barb Wire Arm, Add</i>	402.42	
		<i>For Gate With Double Barb Wire Arm, Add</i>	585.34	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-685.95	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,756.03	
		<i>For Powder Coated Gate And Post, Add</i>	951.18	
		<i>For 1" Mesh Fabric, Add</i>	1,591.40	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,024.35	
		<i>For 1-3/4" Mesh Fabric, Add</i>	636.56	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-318.28	
32 31 13 13-0342	EA	26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	4,460.22	165.61
		<i>For Gate With Single Barb Wire Arm, Add</i>	435.91	
		<i>For Gate With Double Barb Wire Arm, Add</i>	634.05	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-743.03	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,902.15	
		<i>For Powder Coated Gate And Post, Add</i>	1,030.33	
		<i>For 1" Mesh Fabric, Add</i>	1,723.82	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,109.59	
		<i>For 1-3/4" Mesh Fabric, Add</i>	689.53	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-344.76	
32 31 13 13-0343	EA	28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	4,847.56	193.24
		<i>For Gate With Single Barb Wire Arm, Add</i>	469.40	
		<i>For Gate With Double Barb Wire Arm, Add</i>	682.76	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-800.11	
		<i>For Aluminized Steel Gate And Post, Add</i>	2,048.28	
		<i>For Powder Coated Gate And Post, Add</i>	1,109.48	
		<i>For 1" Mesh Fabric, Add</i>	1,856.25	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,194.83	
		<i>For 1-3/4" Mesh Fabric, Add</i>	742.50	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-371.25	
32 31 13 13-0344	EA	30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	5,268.04	231.88
		<i>For Gate With Single Barb Wire Arm, Add</i>	502.88	
		<i>For Gate With Double Barb Wire Arm, Add</i>	731.47	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-857.19	
		<i>For Aluminized Steel Gate And Post, Add</i>	2,194.40	
		<i>For Powder Coated Gate And Post, Add</i>	1,188.63	
		<i>For 1" Mesh Fabric, Add</i>	1,988.67	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,280.06	
		<i>For 1-3/4" Mesh Fabric, Add</i>	795.47	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-397.73	
<b>32 31 13 13-0345</b>		<b>8' Fence Height</b> <small>(32 31 13 13-0264)</small>		
32 31 13 13-0346	EA	3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire .....	543.32	30.47
		<i>For Gate With Single Barb Wire Arm, Add</i>	49.70	
		<i>For Gate With Double Barb Wire Arm, Add</i>	72.29	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-84.71	
		<i>For Aluminized Steel Gate And Post, Add</i>	216.86	
		<i>For Powder Coated Gate And Post, Add</i>	117.47	
		<i>For 1" Mesh Fabric, Add</i>	196.53	
		<i>For 1-1/4" Mesh Fabric, Add</i>	126.50	
		<i>For 1-3/4" Mesh Fabric, Add</i>	78.61	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-39.31	
32 31 13 13-0347	EA	4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire .....	693.93	30.47
		<i>For Gate With Single Barb Wire Arm, Add</i>	66.27	
		<i>For Gate With Double Barb Wire Arm, Add</i>	96.39	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-112.95	
		<i>For Aluminized Steel Gate And Post, Add</i>	289.16	
		<i>For Powder Coated Gate And Post, Add</i>	156.63	
		<i>For 1" Mesh Fabric, Add</i>	262.05	
		<i>For 1-1/4" Mesh Fabric, Add</i>	168.67	
		<i>For 1-3/4" Mesh Fabric, Add</i>	104.82	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-52.41	
32 31 13 13-0348	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire .....	810.54	33.96
		<i>For Gate With Single Barb Wire Arm, Add</i>	77.93	
		<i>For Gate With Double Barb Wire Arm, Add</i>	113.36	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-132.84	
		<i>For Aluminized Steel Gate And Post, Add</i>	340.08	
		<i>For Powder Coated Gate And Post, Add</i>	184.21	
		<i>For 1" Mesh Fabric, Add</i>	308.19	
		<i>For 1-1/4" Mesh Fabric, Add</i>	198.38	
		<i>For 1-3/4" Mesh Fabric, Add</i>	123.28	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-61.64	
32 31 13 13-0349	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire .....	929.91	38.44
		<i>For Gate With Single Barb Wire Arm, Add</i>	89.60	
		<i>For Gate With Double Barb Wire Arm, Add</i>	130.33	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-152.74	
		<i>For Aluminized Steel Gate And Post, Add</i>	391.00	
		<i>For Powder Coated Gate And Post, Add</i>	211.79	
		<i>For 1" Mesh Fabric, Add</i>	354.35	
		<i>For 1-1/4" Mesh Fabric, Add</i>	228.09	
		<i>For 1-3/4" Mesh Fabric, Add</i>	141.74	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-70.87	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0350	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	1,059.81 101.28 147.31 -172.63 441.94 239.38 400.50 257.80 160.20 -80.10	46.31
32 31	13 13-0351	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	1,188.80 112.95 164.29 -192.53 492.86 266.97 446.66 287.50 178.66 -89.33	53.91
32 31	13 13-0352	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	1,318.70 124.62 181.26 -212.42 543.79 294.55 492.81 317.21 197.12 -98.56	61.87
32 31	13 13-0353	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	1,448.59 136.29 198.24 -232.31 594.72 322.14 538.97 346.92 215.59 -107.79	69.83
32 31	13 13-0354	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	2,107.24 204.44 297.36 -348.47 892.09 483.22 808.46 520.39 323.38 -161.69	82.80
32 31	13 13-0355	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	2,484.24 243.80 354.62 -415.58 1,063.87 576.26 964.13 620.59 385.65 -192.83	89.22
32 31	13 13-0356	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	2,869.73 283.75 412.73 -483.67 1,238.19 670.69 1,122.11 722.28 448.85 -224.42	96.62
32 31	13 13-0357	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	3,269.96 324.88 472.55 -553.77 1,417.64 767.89 1,284.74 826.96 513.90 -256.95	105.43

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0358	EA 18' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	3,675.46	116.00
	<i>For Gate With Single Barb Wire Arm, Add</i>	366.00	
	<i>For Gate With Double Barb Wire Arm, Add</i>	532.36	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-623.86	
	<i>For Aluminized Steel Gate And Post, Add</i>	1,597.09	
	<i>For Powder Coated Gate And Post, Add</i>	865.09	
	<i>For 1" Mesh Fabric, Add</i>	1,447.36	
	<i>For 1-1/4" Mesh Fabric, Add</i>	931.64	
	<i>For 1-3/4" Mesh Fabric, Add</i>	578.94	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-289.47	
32 31 13 13-0359	EA 20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	4,082.65	128.83
	<i>For Gate With Single Barb Wire Arm, Add</i>	406.54	
	<i>For Gate With Double Barb Wire Arm, Add</i>	591.32	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-692.96	
	<i>For Aluminized Steel Gate And Post, Add</i>	1,773.97	
	<i>For Powder Coated Gate And Post, Add</i>	960.90	
	<i>For 1" Mesh Fabric, Add</i>	1,607.66	
	<i>For 1-1/4" Mesh Fabric, Add</i>	1,034.82	
	<i>For 1-3/4" Mesh Fabric, Add</i>	643.07	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-321.53	
32 31 13 13-0360	EA 22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	4,494.19	144.94
	<i>For Gate With Single Barb Wire Arm, Add</i>	446.48	
	<i>For Gate With Double Barb Wire Arm, Add</i>	649.43	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-761.05	
	<i>For Aluminized Steel Gate And Post, Add</i>	1,948.30	
	<i>For Powder Coated Gate And Post, Add</i>	1,055.33	
	<i>For 1" Mesh Fabric, Add</i>	1,765.64	
	<i>For 1-1/4" Mesh Fabric, Add</i>	1,136.51	
	<i>For 1-3/4" Mesh Fabric, Add</i>	706.26	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-353.13	
32 31 13 13-0361	EA 24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	4,930.21	165.61
	<i>For Gate With Single Barb Wire Arm, Add</i>	487.61	
	<i>For Gate With Double Barb Wire Arm, Add</i>	709.25	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-831.15	
	<i>For Aluminized Steel Gate And Post, Add</i>	2,127.74	
	<i>For Powder Coated Gate And Post, Add</i>	1,152.53	
	<i>For 1" Mesh Fabric, Add</i>	1,928.27	
	<i>For 1-1/4" Mesh Fabric, Add</i>	1,241.18	
	<i>For 1-3/4" Mesh Fabric, Add</i>	771.31	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-385.65	
32 31 13 13-0362	EA 26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	5,386.97	193.24
	<i>For Gate With Single Barb Wire Arm, Add</i>	528.73	
	<i>For Gate With Double Barb Wire Arm, Add</i>	769.06	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-901.25	
	<i>For Aluminized Steel Gate And Post, Add</i>	2,307.19	
	<i>For Powder Coated Gate And Post, Add</i>	1,249.73	
	<i>For 1" Mesh Fabric, Add</i>	2,090.89	
	<i>For 1-1/4" Mesh Fabric, Add</i>	1,345.86	
	<i>For 1-3/4" Mesh Fabric, Add</i>	836.36	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-418.18	
32 31 13 13-0363	EA 28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	5,871.54	231.88
	<i>For Gate With Single Barb Wire Arm, Add</i>	569.27	
	<i>For Gate With Double Barb Wire Arm, Add</i>	828.03	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-970.34	
	<i>For Aluminized Steel Gate And Post, Add</i>	2,484.08	
	<i>For Powder Coated Gate And Post, Add</i>	1,345.54	
	<i>For 1" Mesh Fabric, Add</i>	2,251.19	
	<i>For 1-1/4" Mesh Fabric, Add</i>	1,449.04	
	<i>For 1-3/4" Mesh Fabric, Add</i>	900.48	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-450.24	
32 31 13 13-0364	EA 30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	6,414.14	289.86
	<i>For Gate With Single Barb Wire Arm, Add</i>	609.80	
	<i>For Gate With Double Barb Wire Arm, Add</i>	886.99	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,039.44	
	<i>For Aluminized Steel Gate And Post, Add</i>	2,660.96	
	<i>For Powder Coated Gate And Post, Add</i>	1,441.35	
	<i>For 1" Mesh Fabric, Add</i>	2,411.50	
	<i>For 1-1/4" Mesh Fabric, Add</i>	1,552.23	
	<i>For 1-3/4" Mesh Fabric, Add</i>	964.60	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-482.30	
32 31 13 13-0365	10' Fence Height <small>(32 31 13 13-0264)</small>		
32 31 13 13-0366	EA 3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	685.94	33.87
	<i>For Gate With Single Barb Wire Arm, Add</i>	64.27	
	<i>For Gate With Double Barb Wire Arm, Add</i>	93.48	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-109.55	
	<i>For Aluminized Steel Gate And Post, Add</i>	280.44	
	<i>For Powder Coated Gate And Post, Add</i>	151.90	
	<i>For 1" Mesh Fabric, Add</i>	254.14	
	<i>For 1-1/4" Mesh Fabric, Add</i>	163.59	
	<i>For 1-3/4" Mesh Fabric, Add</i>	101.66	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-50.83	



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0367 EA 4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	880.68	33.87
For Gate With Single Barb Wire Arm, Add	85.69	
For Gate With Double Barb Wire Arm, Add	124.64	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-146.06	
For Aluminized Steel Gate And Post, Add	373.91	
For Powder Coated Gate And Post, Add	202.53	
For 1" Mesh Fabric, Add	338.86	
For 1-1/4" Mesh Fabric, Add	218.11	
For 1-3/4" Mesh Fabric, Add	135.54	
For 2-1/8" Mesh Fabric, Deduct	-67.77	
32 31 13 13-0368 EA 5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	1,022.37	35.32
For Gate With Single Barb Wire Arm, Add	100.78	
For Gate With Double Barb Wire Arm, Add	146.59	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-171.79	
For Aluminized Steel Gate And Post, Add	439.78	
For Powder Coated Gate And Post, Add	238.21	
For 1" Mesh Fabric, Add	398.55	
For 1-1/4" Mesh Fabric, Add	256.54	
For 1-3/4" Mesh Fabric, Add	159.42	
For 2-1/8" Mesh Fabric, Deduct	-79.71	
32 31 13 13-0369 EA 6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	1,185.20	43.93
For Gate With Single Barb Wire Arm, Add	115.88	
For Gate With Double Barb Wire Arm, Add	168.55	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-197.51	
For Aluminized Steel Gate And Post, Add	505.64	
For Powder Coated Gate And Post, Add	273.89	
For 1" Mesh Fabric, Add	458.23	
For 1-1/4" Mesh Fabric, Add	294.95	
For 1-3/4" Mesh Fabric, Add	183.29	
For 2-1/8" Mesh Fabric, Deduct	-91.65	
32 31 13 13-0370 EA 7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	1,347.48	52.07
For Gate With Single Barb Wire Arm, Add	130.96	
For Gate With Double Barb Wire Arm, Add	190.49	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-223.23	
For Aluminized Steel Gate And Post, Add	571.48	
For Powder Coated Gate And Post, Add	309.55	
For 1" Mesh Fabric, Add	517.90	
For 1-1/4" Mesh Fabric, Add	333.36	
For 1-3/4" Mesh Fabric, Add	207.16	
For 2-1/8" Mesh Fabric, Deduct	-103.58	
32 31 13 13-0371 EA 8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	1,509.92	60.68
For Gate With Single Barb Wire Arm, Add	146.06	
For Gate With Double Barb Wire Arm, Add	212.45	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-248.96	
For Aluminized Steel Gate And Post, Add	637.34	
For Powder Coated Gate And Post, Add	345.23	
For 1" Mesh Fabric, Add	577.59	
For 1-1/4" Mesh Fabric, Add	371.78	
For 1-3/4" Mesh Fabric, Add	231.04	
For 2-1/8" Mesh Fabric, Deduct	-115.52	
32 31 13 13-0372 EA 9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	1,671.84	68.92
For Gate With Single Barb Wire Arm, Add	161.15	
For Gate With Double Barb Wire Arm, Add	234.40	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-274.69	
For Aluminized Steel Gate And Post, Add	703.20	
For Powder Coated Gate And Post, Add	380.90	
For 1" Mesh Fabric, Add	637.28	
For 1-1/4" Mesh Fabric, Add	410.20	
For 1-3/4" Mesh Fabric, Add	254.91	
For 2-1/8" Mesh Fabric, Deduct	-127.46	
32 31 13 13-0373 EA 10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	1,834.69	77.43
For Gate With Single Barb Wire Arm, Add	176.24	
For Gate With Double Barb Wire Arm, Add	256.36	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-300.42	
For Aluminized Steel Gate And Post, Add	769.07	
For Powder Coated Gate And Post, Add	416.58	
For 1" Mesh Fabric, Add	696.97	
For 1-1/4" Mesh Fabric, Add	448.62	
For 1-3/4" Mesh Fabric, Add	278.79	
For 2-1/8" Mesh Fabric, Deduct	-139.39	
32 31 13 13-0374 EA 10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	2,679.64	92.06
For Gate With Single Barb Wire Arm, Add	264.36	
For Gate With Double Barb Wire Arm, Add	384.53	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-450.62	
For Aluminized Steel Gate And Post, Add	1,153.58	
For Powder Coated Gate And Post, Add	624.86	
For 1" Mesh Fabric, Add	1,045.44	
For 1-1/4" Mesh Fabric, Add	672.92	
For 1-3/4" Mesh Fabric, Add	418.17	
For 2-1/8" Mesh Fabric, Deduct	-209.09	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0375	EA		12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	2,914.49	99.02
			<i>For Gate With Single Barb Wire Arm, Add</i>	287.87	
			<i>For Gate With Double Barb Wire Arm, Add</i>	418.72	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-490.69	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,256.16	
			<i>For Powder Coated Gate And Post, Add</i>	680.42	
			<i>For 1" Mesh Fabric, Add</i>	1,138.39	
			<i>For 1-1/4" Mesh Fabric, Add</i>	732.76	
			<i>For 1-3/4" Mesh Fabric, Add</i>	455.36	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-227.68	
32 31 13 13-0376	EA		14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	3,323.88	107.39
			<i>For Gate With Single Barb Wire Arm, Add</i>	330.16	
			<i>For Gate With Double Barb Wire Arm, Add</i>	480.24	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-562.78	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,440.71	
			<i>For Powder Coated Gate And Post, Add</i>	780.38	
			<i>For 1" Mesh Fabric, Add</i>	1,305.64	
			<i>For 1-1/4" Mesh Fabric, Add</i>	840.41	
			<i>For 1-3/4" Mesh Fabric, Add</i>	522.26	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-261.13	
32 31 13 13-0377	EA		16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	3,780.31	117.07
			<i>For Gate With Single Barb Wire Arm, Add</i>	377.16	
			<i>For Gate With Double Barb Wire Arm, Add</i>	548.60	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-642.89	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,645.80	
			<i>For Powder Coated Gate And Post, Add</i>	891.47	
			<i>For 1" Mesh Fabric, Add</i>	1,491.50	
			<i>For 1-1/4" Mesh Fabric, Add</i>	960.05	
			<i>For 1-3/4" Mesh Fabric, Add</i>	596.60	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-298.30	
32 31 13 13-0378	EA		18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	4,242.87	128.83
			<i>For Gate With Single Barb Wire Arm, Add</i>	424.16	
			<i>For Gate With Double Barb Wire Arm, Add</i>	616.96	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-723.00	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,850.88	
			<i>For Powder Coated Gate And Post, Add</i>	1,002.56	
			<i>For 1" Mesh Fabric, Add</i>	1,677.36	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,079.68	
			<i>For 1-3/4" Mesh Fabric, Add</i>	670.94	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-335.47	
32 31 13 13-0379	EA		20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	4,715.59	143.08
			<i>For Gate With Single Barb Wire Arm, Add</i>	471.45	
			<i>For Gate With Double Barb Wire Arm, Add</i>	685.75	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-803.61	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,057.25	
			<i>For Powder Coated Gate And Post, Add</i>	1,114.34	
			<i>For 1" Mesh Fabric, Add</i>	1,864.38	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,200.06	
			<i>For 1-3/4" Mesh Fabric, Add</i>	745.75	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-372.88	
32 31 13 13-0380	EA		22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	5,199.46	161.04
			<i>For Gate With Single Barb Wire Arm, Add</i>	518.74	
			<i>For Gate With Double Barb Wire Arm, Add</i>	754.54	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-884.22	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,263.61	
			<i>For Powder Coated Gate And Post, Add</i>	1,226.12	
			<i>For 1" Mesh Fabric, Add</i>	2,051.40	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,320.44	
			<i>For 1-3/4" Mesh Fabric, Add</i>	820.56	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-410.28	
32 31 13 13-0381	EA		24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	5,695.44	183.89
			<i>For Gate With Single Barb Wire Arm, Add</i>	565.74	
			<i>For Gate With Double Barb Wire Arm, Add</i>	822.90	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-964.33	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,468.69	
			<i>For Powder Coated Gate And Post, Add</i>	1,337.21	
			<i>For 1" Mesh Fabric, Add</i>	2,237.25	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,440.07	
			<i>For 1-3/4" Mesh Fabric, Add</i>	894.90	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-447.45	
32 31 13 13-0382	EA		26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	6,215.17	214.68
			<i>For Gate With Single Barb Wire Arm, Add</i>	612.74	
			<i>For Gate With Double Barb Wire Arm, Add</i>	891.26	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,044.44	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,673.78	
			<i>For Powder Coated Gate And Post, Add</i>	1,448.30	
			<i>For 1" Mesh Fabric, Add</i>	2,423.11	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,559.70	
			<i>For 1-3/4" Mesh Fabric, Add</i>	969.24	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-484.62	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0383 EA 28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	6,770.70	257.45
For Gate With Single Barb Wire Arm, Add	659.74	
For Gate With Double Barb Wire Arm, Add	959.62	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,124.56	
For Aluminized Steel Gate And Post, Add	2,878.86	
For Powder Coated Gate And Post, Add	1,559.38	
For 1" Mesh Fabric, Add	2,608.97	
For 1-1/4" Mesh Fabric, Add	1,679.34	
For 1-3/4" Mesh Fabric, Add	1,043.59	
For 2-1/8" Mesh Fabric, Deduct	-521.79	
32 31 13 13-0384 EA 30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	7,397.43	322.07
For Gate With Single Barb Wire Arm, Add	707.33	
For Gate With Double Barb Wire Arm, Add	1,028.84	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,205.67	
For Aluminized Steel Gate And Post, Add	3,086.51	
For Powder Coated Gate And Post, Add	1,671.86	
For 1" Mesh Fabric, Add	2,797.15	
For 1-1/4" Mesh Fabric, Add	1,800.46	
For 1-3/4" Mesh Fabric, Add	1,118.86	
For 2-1/8" Mesh Fabric, Deduct	-559.43	
<b>32 31 13 13-0385 12' Fence Height (32 31 13 13-0264)</b>		
32 31 13 13-0386 EA 3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	860.82	37.61
For Gate With Single Barb Wire Arm, Add	82.26	
For Gate With Double Barb Wire Arm, Add	119.65	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-140.22	
For Aluminized Steel Gate And Post, Add	358.96	
For Powder Coated Gate And Post, Add	194.44	
For 1" Mesh Fabric, Add	325.31	
For 1-1/4" Mesh Fabric, Add	209.39	
For 1-3/4" Mesh Fabric, Add	130.12	
For 2-1/8" Mesh Fabric, Deduct	-65.06	
32 31 13 13-0387 EA 4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	1,110.08	37.61
For Gate With Single Barb Wire Arm, Add	109.68	
For Gate With Double Barb Wire Arm, Add	159.53	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-186.95	
For Aluminized Steel Gate And Post, Add	478.60	
For Powder Coated Gate And Post, Add	259.24	
For 1" Mesh Fabric, Add	433.73	
For 1-1/4" Mesh Fabric, Add	279.19	
For 1-3/4" Mesh Fabric, Add	173.49	
For 2-1/8" Mesh Fabric, Deduct	-86.75	
32 31 13 13-0388 EA 5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	1,289.88	38.99
For Gate With Single Barb Wire Arm, Add	129.00	
For Gate With Double Barb Wire Arm, Add	187.64	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-219.89	
For Aluminized Steel Gate And Post, Add	562.91	
For Powder Coated Gate And Post, Add	304.91	
For 1" Mesh Fabric, Add	510.14	
For 1-1/4" Mesh Fabric, Add	328.36	
For 1-3/4" Mesh Fabric, Add	204.06	
For 2-1/8" Mesh Fabric, Deduct	-102.03	
32 31 13 13-0389 EA 6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	1,493.87	48.41
For Gate With Single Barb Wire Arm, Add	148.32	
For Gate With Double Barb Wire Arm, Add	215.74	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-252.82	
For Aluminized Steel Gate And Post, Add	647.21	
For Powder Coated Gate And Post, Add	350.57	
For 1" Mesh Fabric, Add	586.53	
For 1-1/4" Mesh Fabric, Add	377.54	
For 1-3/4" Mesh Fabric, Add	234.61	
For 2-1/8" Mesh Fabric, Deduct	-117.31	
32 31 13 13-0390 EA 7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	650.74	57.93
For Gate With Single Barb Wire Arm, Add	52.45	
For Gate With Double Barb Wire Arm, Add	76.29	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-89.41	
For Aluminized Steel Gate And Post, Add	228.88	
For Powder Coated Gate And Post, Add	123.98	
For 1" Mesh Fabric, Add	207.43	
For 1-1/4" Mesh Fabric, Add	133.52	
For 1-3/4" Mesh Fabric, Add	82.97	
For 2-1/8" Mesh Fabric, Deduct	-41.49	
32 31 13 13-0391 EA 8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	733.15	67.09
For Gate With Single Barb Wire Arm, Add	58.50	
For Gate With Double Barb Wire Arm, Add	85.09	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-99.71	
For Aluminized Steel Gate And Post, Add	255.26	
For Powder Coated Gate And Post, Add	138.27	
For 1" Mesh Fabric, Add	231.33	
For 1-1/4" Mesh Fabric, Add	148.90	
For 1-3/4" Mesh Fabric, Add	92.53	
For 2-1/8" Mesh Fabric, Deduct	-46.27	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0392	EA		9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	816.47	76.52
			<i>For Gate With Single Barb Wire Arm, Add</i>	64.54	
			<i>For Gate With Double Barb Wire Arm, Add</i>	93.88	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-110.01	
			<i>For Aluminized Steel Gate And Post, Add</i>	281.64	
			<i>For Powder Coated Gate And Post, Add</i>	152.55	
			<i>For 1" Mesh Fabric, Add</i>	255.23	
			<i>For 1-1/4" Mesh Fabric, Add</i>	164.29	
			<i>For 1-3/4" Mesh Fabric, Add</i>	102.09	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-51.05	
32 31 13 13-0393	EA		10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	899.80	85.94
			<i>For Gate With Single Barb Wire Arm, Add</i>	70.59	
			<i>For Gate With Double Barb Wire Arm, Add</i>	102.67	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-120.32	
			<i>For Aluminized Steel Gate And Post, Add</i>	308.02	
			<i>For Powder Coated Gate And Post, Add</i>	166.84	
			<i>For 1" Mesh Fabric, Add</i>	279.14	
			<i>For 1-1/4" Mesh Fabric, Add</i>	179.68	
			<i>For 1-3/4" Mesh Fabric, Add</i>	111.66	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-55.83	
32 31 13 13-0394	EA		10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	1,201.10	102.28
			<i>For Gate With Single Barb Wire Arm, Add</i>	98.35	
			<i>For Gate With Double Barb Wire Arm, Add</i>	143.05	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-167.63	
			<i>For Aluminized Steel Gate And Post, Add</i>	429.14	
			<i>For Powder Coated Gate And Post, Add</i>	232.45	
			<i>For 1" Mesh Fabric, Add</i>	388.91	
			<i>For 1-1/4" Mesh Fabric, Add</i>	250.33	
			<i>For 1-3/4" Mesh Fabric, Add</i>	155.56	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-77.78	
32 31 13 13-0395	EA		12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	1,313.10	110.11
			<i>For Gate With Single Barb Wire Arm, Add</i>	108.09	
			<i>For Gate With Double Barb Wire Arm, Add</i>	157.22	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-184.24	
			<i>For Aluminized Steel Gate And Post, Add</i>	471.66	
			<i>For Powder Coated Gate And Post, Add</i>	255.48	
			<i>For 1" Mesh Fabric, Add</i>	427.44	
			<i>For 1-1/4" Mesh Fabric, Add</i>	275.13	
			<i>For 1-3/4" Mesh Fabric, Add</i>	170.98	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-85.49	
32 31 13 13-0396	EA		14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	1,484.55	119.25
			<i>For Gate With Single Barb Wire Arm, Add</i>	123.90	
			<i>For Gate With Double Barb Wire Arm, Add</i>	180.21	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-211.19	
			<i>For Aluminized Steel Gate And Post, Add</i>	540.64	
			<i>For Powder Coated Gate And Post, Add</i>	292.85	
			<i>For 1" Mesh Fabric, Add</i>	489.95	
			<i>For 1-1/4" Mesh Fabric, Add</i>	315.37	
			<i>For 1-3/4" Mesh Fabric, Add</i>	195.98	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-97.99	
32 31 13 13-0397	EA		16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	1,677.46	130.03
			<i>For Gate With Single Barb Wire Arm, Add</i>	141.54	
			<i>For Gate With Double Barb Wire Arm, Add</i>	205.88	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-241.27	
			<i>For Aluminized Steel Gate And Post, Add</i>	617.64	
			<i>For Powder Coated Gate And Post, Add</i>	334.56	
			<i>For 1" Mesh Fabric, Add</i>	559.74	
			<i>For 1-1/4" Mesh Fabric, Add</i>	360.29	
			<i>For 1-3/4" Mesh Fabric, Add</i>	223.90	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-111.95	
32 31 13 13-0398	EA		18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	5,054.72	143.19
			<i>For Gate With Single Barb Wire Arm, Add</i>	508.76	
			<i>For Gate With Double Barb Wire Arm, Add</i>	740.01	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-867.20	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,220.03	
			<i>For Powder Coated Gate And Post, Add</i>	1,202.52	
			<i>For 1" Mesh Fabric, Add</i>	2,011.90	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,295.02	
			<i>For 1-3/4" Mesh Fabric, Add</i>	804.76	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-402.38	
32 31 13 13-0399	EA		20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	5,620.34	158.97
			<i>For Gate With Single Barb Wire Arm, Add</i>	565.74	
			<i>For Gate With Double Barb Wire Arm, Add</i>	822.90	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-964.33	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,468.69	
			<i>For Powder Coated Gate And Post, Add</i>	1,337.21	
			<i>For 1" Mesh Fabric, Add</i>	2,237.25	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,440.07	
			<i>For 1-3/4" Mesh Fabric, Add</i>	894.90	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-447.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0400 EA 22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	6,193.15	178.88
For Gate With Single Barb Wire Arm, Add	622.14	
For Gate With Double Barb Wire Arm, Add	904.93	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,060.47	
For Aluminized Steel Gate And Post, Add	2,714.79	
For Powder Coated Gate And Post, Add	1,470.51	
For 1" Mesh Fabric, Add	2,460.28	
For 1-1/4" Mesh Fabric, Add	1,583.63	
For 1-3/4" Mesh Fabric, Add	984.11	
For 2-1/8" Mesh Fabric, Deduct	-492.06	
32 31 13 13-0401 EA 24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	6,787.57	204.35
For Gate With Single Barb Wire Arm, Add	679.13	
For Gate With Double Barb Wire Arm, Add	987.82	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,157.60	
For Aluminized Steel Gate And Post, Add	2,963.46	
For Powder Coated Gate And Post, Add	1,605.21	
For 1" Mesh Fabric, Add	2,685.63	
For 1-1/4" Mesh Fabric, Add	1,728.68	
For 1-3/4" Mesh Fabric, Add	1,074.25	
For 2-1/8" Mesh Fabric, Deduct	-537.13	
32 31 13 13-0402 EA 26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	7,397.68	238.62
For Gate With Single Barb Wire Arm, Add	734.94	
For Gate With Double Barb Wire Arm, Add	1,069.00	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,252.73	
For Aluminized Steel Gate And Post, Add	3,207.00	
For Powder Coated Gate And Post, Add	1,737.12	
For 1" Mesh Fabric, Add	2,906.34	
For 1-1/4" Mesh Fabric, Add	1,870.75	
For 1-3/4" Mesh Fabric, Add	1,162.54	
For 2-1/8" Mesh Fabric, Deduct	-581.27	
32 31 13 13-0403 EA 28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	8,052.91	286.06
For Gate With Single Barb Wire Arm, Add	791.33	
For Gate With Double Barb Wire Arm, Add	1,151.03	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,348.87	
For Aluminized Steel Gate And Post, Add	3,453.10	
For Powder Coated Gate And Post, Add	1,870.43	
For 1" Mesh Fabric, Add	3,129.37	
For 1-1/4" Mesh Fabric, Add	2,014.31	
For 1-3/4" Mesh Fabric, Add	1,251.75	
For 2-1/8" Mesh Fabric, Deduct	-625.87	
32 31 13 13-0404 EA 30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	8,786.66	357.88
For Gate With Single Barb Wire Arm, Add	848.32	
For Gate With Double Barb Wire Arm, Add	1,233.92	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,446.00	
For Aluminized Steel Gate And Post, Add	3,701.76	
For Powder Coated Gate And Post, Add	2,005.12	
For 1" Mesh Fabric, Add	3,354.72	
For 1-1/4" Mesh Fabric, Add	2,159.36	
For 1-3/4" Mesh Fabric, Add	1,341.89	
For 2-1/8" Mesh Fabric, Deduct	-670.94	
<b>32 31 13 13-0405 Vinyl Coated Without Barb Wire Arm</b> <small>(32 31 13 13-0263)</small>		
Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
<b>32 31 13 13-0406 4' Fence Height</b> <small>(32 31 13 13-0405)</small>		
32 31 13 13-0407 EA 3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	180.15	22.88
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-20.91	
For 1" Mesh Fabric, Add	48.51	
For 1-1/4" Mesh Fabric, Add	31.22	
For 1-3/4" Mesh Fabric, Add	19.40	
For 2-1/8" Mesh Fabric, Deduct	-9.70	
For Gate With Single Barb Wire Arm, Add	12.27	
For Gate With Double Barb Wire Arm, Add	17.84	
32 31 13 13-0408 EA 4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	217.32	22.88
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-27.88	
For 1" Mesh Fabric, Add	64.68	
For 1-1/4" Mesh Fabric, Add	41.63	
For 1-3/4" Mesh Fabric, Add	25.87	
For 2-1/8" Mesh Fabric, Deduct	-12.94	
For Gate With Single Barb Wire Arm, Add	16.35	
For Gate With Double Barb Wire Arm, Add	23.79	
32 31 13 13-0409 EA 5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	252.88	24.35
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-33.69	
For 1" Mesh Fabric, Add	78.15	
For 1-1/4" Mesh Fabric, Add	50.30	
For 1-3/4" Mesh Fabric, Add	31.26	
For 2-1/8" Mesh Fabric, Deduct	-15.63	
For Gate With Single Barb Wire Arm, Add	19.76	
For Gate With Double Barb Wire Arm, Add	28.75	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0410	EA	6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	298.49	29.28
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-39.49	
			<i>For 1" Mesh Fabric, Add</i>	91.62	
			<i>For 1-1/4" Mesh Fabric, Add</i>	58.98	
			<i>For 1-3/4" Mesh Fabric, Add</i>	36.65	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-18.32	
			<i>For Gate With Single Barb Wire Arm, Add</i>	23.17	
			<i>For Gate With Double Barb Wire Arm, Add</i>	33.70	
32 31	13 13-0411	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	344.11	34.13
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-45.30	
			<i>For 1" Mesh Fabric, Add</i>	105.10	
			<i>For 1-1/4" Mesh Fabric, Add</i>	67.65	
			<i>For 1-3/4" Mesh Fabric, Add</i>	42.04	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-21.02	
			<i>For Gate With Single Barb Wire Arm, Add</i>	26.58	
			<i>For Gate With Double Barb Wire Arm, Add</i>	38.66	
32 31	13 13-0412	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	389.74	38.99
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-51.11	
			<i>For 1" Mesh Fabric, Add</i>	118.58	
			<i>For 1-1/4" Mesh Fabric, Add</i>	76.33	
			<i>For 1-3/4" Mesh Fabric, Add</i>	47.43	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-23.72	
			<i>For Gate With Single Barb Wire Arm, Add</i>	29.98	
			<i>For Gate With Double Barb Wire Arm, Add</i>	43.61	
32 31	13 13-0413	EA	9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	435.36	43.93
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-56.92	
			<i>For 1" Mesh Fabric, Add</i>	132.05	
			<i>For 1-1/4" Mesh Fabric, Add</i>	85.00	
			<i>For 1-3/4" Mesh Fabric, Add</i>	52.82	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-26.41	
			<i>For Gate With Single Barb Wire Arm, Add</i>	33.39	
			<i>For Gate With Double Barb Wire Arm, Add</i>	48.57	
32 31	13 13-0414	EA	10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	480.97	48.78
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-62.72	
			<i>For 1" Mesh Fabric, Add</i>	145.52	
			<i>For 1-1/4" Mesh Fabric, Add</i>	93.67	
			<i>For 1-3/4" Mesh Fabric, Add</i>	58.21	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-29.10	
			<i>For Gate With Single Barb Wire Arm, Add</i>	36.80	
			<i>For Gate With Double Barb Wire Arm, Add</i>	53.52	
32 31	13 13-0415	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	592.48	48.78
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-83.63	
			<i>For 1" Mesh Fabric, Add</i>	194.03	
			<i>For 1-1/4" Mesh Fabric, Add</i>	124.89	
			<i>For 1-3/4" Mesh Fabric, Add</i>	77.61	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-38.81	
			<i>For Gate With Single Barb Wire Arm, Add</i>	49.06	
			<i>For Gate With Double Barb Wire Arm, Add</i>	71.37	
32 31	13 13-0416	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	692.15	52.26
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-100.36	
			<i>For 1" Mesh Fabric, Add</i>	232.83	
			<i>For 1-1/4" Mesh Fabric, Add</i>	149.87	
			<i>For 1-3/4" Mesh Fabric, Add</i>	93.13	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-46.57	
			<i>For Gate With Single Barb Wire Arm, Add</i>	58.88	
			<i>For Gate With Double Barb Wire Arm, Add</i>	85.64	
32 31	13 13-0417	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	793.43	56.29
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-117.09	
			<i>For 1" Mesh Fabric, Add</i>	271.64	
			<i>For 1-1/4" Mesh Fabric, Add</i>	174.85	
			<i>For 1-3/4" Mesh Fabric, Add</i>	108.66	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-54.33	
			<i>For Gate With Single Barb Wire Arm, Add</i>	68.69	
			<i>For Gate With Double Barb Wire Arm, Add</i>	99.91	
32 31	13 13-0418	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	896.72	60.96
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-133.81	
			<i>For 1" Mesh Fabric, Add</i>	310.45	
			<i>For 1-1/4" Mesh Fabric, Add</i>	199.83	
			<i>For 1-3/4" Mesh Fabric, Add</i>	124.18	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-62.09	
			<i>For Gate With Single Barb Wire Arm, Add</i>	78.50	
			<i>For Gate With Double Barb Wire Arm, Add</i>	114.19	
32 31	13 13-0419	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,035.00	77.26
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-150.54	
			<i>For 1" Mesh Fabric, Add</i>	349.25	
			<i>For 1-1/4" Mesh Fabric, Add</i>	224.81	
			<i>For 1-3/4" Mesh Fabric, Add</i>	139.70	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-69.85	
			<i>For Gate With Single Barb Wire Arm, Add</i>	88.32	
			<i>For Gate With Double Barb Wire Arm, Add</i>	128.46	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0420 EA 20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,140.80	82.80
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-167.27	
For 1" Mesh Fabric, Add	388.06	
For 1-1/4" Mesh Fabric, Add	249.79	
For 1-3/4" Mesh Fabric, Add	155.22	
For 2-1/8" Mesh Fabric, Deduct	-77.61	
For Gate With Single Barb Wire Arm, Add	98.13	
For Gate With Double Barb Wire Arm, Add	142.73	
32 31 13 13-0421 EA 22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,249.14	89.22
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-183.99	
For 1" Mesh Fabric, Add	426.87	
For 1-1/4" Mesh Fabric, Add	274.76	
For 1-3/4" Mesh Fabric, Add	170.75	
For 2-1/8" Mesh Fabric, Deduct	-85.37	
For Gate With Single Barb Wire Arm, Add	107.94	
For Gate With Double Barb Wire Arm, Add	157.01	
32 31 13 13-0422 EA 24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,360.66	96.62
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-200.72	
For 1" Mesh Fabric, Add	465.67	
For 1-1/4" Mesh Fabric, Add	299.74	
For 1-3/4" Mesh Fabric, Add	186.27	
For 2-1/8" Mesh Fabric, Deduct	-93.13	
For Gate With Single Barb Wire Arm, Add	117.76	
For Gate With Double Barb Wire Arm, Add	171.28	
32 31 13 13-0423 EA 26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,476.25	105.43
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-217.45	
For 1" Mesh Fabric, Add	504.47	
For 1-1/4" Mesh Fabric, Add	324.72	
For 1-3/4" Mesh Fabric, Add	201.79	
For 2-1/8" Mesh Fabric, Deduct	-100.89	
For Gate With Single Barb Wire Arm, Add	127.57	
For Gate With Double Barb Wire Arm, Add	185.55	
32 31 13 13-0424 EA 28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,597.11	116.00
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-234.17	
For 1" Mesh Fabric, Add	543.28	
For 1-1/4" Mesh Fabric, Add	349.70	
For 1-3/4" Mesh Fabric, Add	217.31	
For 2-1/8" Mesh Fabric, Deduct	-108.66	
For Gate With Single Barb Wire Arm, Add	137.38	
For Gate With Double Barb Wire Arm, Add	199.83	
32 31 13 13-0425 EA 30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,725.00	128.83
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-250.90	
For 1" Mesh Fabric, Add	582.09	
For 1-1/4" Mesh Fabric, Add	374.68	
For 1-3/4" Mesh Fabric, Add	232.83	
For 2-1/8" Mesh Fabric, Deduct	-116.42	
For Gate With Single Barb Wire Arm, Add	147.19	
For Gate With Double Barb Wire Arm, Add	214.10	
<b>32 31 13 13-0426 5' Fence Height <small>(32 31 13 13-0405)</small></b>		
32 31 13 13-0427 EA 3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	211.40	24.35
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-25.91	
For 1" Mesh Fabric, Add	60.11	
For 1-1/4" Mesh Fabric, Add	38.69	
For 1-3/4" Mesh Fabric, Add	24.04	
For 2-1/8" Mesh Fabric, Deduct	-12.02	
For Gate With Single Barb Wire Arm, Add	15.20	
For Gate With Double Barb Wire Arm, Add	22.11	
32 31 13 13-0428 EA 4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	257.46	24.35
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-34.55	
For 1" Mesh Fabric, Add	80.14	
For 1-1/4" Mesh Fabric, Add	51.59	
For 1-3/4" Mesh Fabric, Add	32.06	
For 2-1/8" Mesh Fabric, Deduct	-16.03	
For Gate With Single Barb Wire Arm, Add	20.27	
For Gate With Double Barb Wire Arm, Add	29.48	
32 31 13 13-0429 EA 5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	296.59	25.90
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-41.02	
For 1" Mesh Fabric, Add	95.17	
For 1-1/4" Mesh Fabric, Add	61.26	
For 1-3/4" Mesh Fabric, Add	38.07	
For 2-1/8" Mesh Fabric, Deduct	-19.03	
For Gate With Single Barb Wire Arm, Add	24.07	
For Gate With Double Barb Wire Arm, Add	35.01	
32 31 13 13-0430 EA 6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	346.68	31.12
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-47.50	
For 1" Mesh Fabric, Add	110.20	
For 1-1/4" Mesh Fabric, Add	70.93	
For 1-3/4" Mesh Fabric, Add	44.08	
For 2-1/8" Mesh Fabric, Deduct	-22.04	
For Gate With Single Barb Wire Arm, Add	27.87	
For Gate With Double Barb Wire Arm, Add	40.53	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0431	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	396.80	36.25
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-53.98	
			<i>For 1" Mesh Fabric, Add</i>	125.23	
			<i>For 1-1/4" Mesh Fabric, Add</i>	80.61	
			<i>For 1-3/4" Mesh Fabric, Add</i>	50.09	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-25.05	
			<i>For Gate With Single Barb Wire Arm, Add</i>	31.67	
			<i>For Gate With Double Barb Wire Arm, Add</i>	46.06	
32 31	13 13-0432	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	447.80	41.73
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-60.45	
			<i>For 1" Mesh Fabric, Add</i>	140.25	
			<i>For 1-1/4" Mesh Fabric, Add</i>	90.27	
			<i>For 1-3/4" Mesh Fabric, Add</i>	56.10	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-28.05	
			<i>For Gate With Single Barb Wire Arm, Add</i>	35.47	
			<i>For Gate With Double Barb Wire Arm, Add</i>	51.59	
32 31	13 13-0433	EA	9' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	497.92	46.96
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-66.93	
			<i>For 1" Mesh Fabric, Add</i>	155.28	
			<i>For 1-1/4" Mesh Fabric, Add</i>	99.95	
			<i>For 1-3/4" Mesh Fabric, Add</i>	62.11	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-31.06	
			<i>For Gate With Single Barb Wire Arm, Add</i>	39.27	
			<i>For Gate With Double Barb Wire Arm, Add</i>	57.12	
32 31	13 13-0434	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	548.01	52.07
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-73.41	
			<i>For 1" Mesh Fabric, Add</i>	170.30	
			<i>For 1-1/4" Mesh Fabric, Add</i>	109.62	
			<i>For 1-3/4" Mesh Fabric, Add</i>	68.12	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-34.06	
			<i>For Gate With Single Barb Wire Arm, Add</i>	43.07	
			<i>For Gate With Double Barb Wire Arm, Add</i>	62.64	
32 31	13 13-0435	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	709.61	52.26
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-103.63	
			<i>For 1" Mesh Fabric, Add</i>	240.43	
			<i>For 1-1/4" Mesh Fabric, Add</i>	154.76	
			<i>For 1-3/4" Mesh Fabric, Add</i>	96.17	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-48.09	
			<i>For Gate With Single Barb Wire Arm, Add</i>	60.80	
			<i>For Gate With Double Barb Wire Arm, Add</i>	88.43	
32 31	13 13-0436	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	832.22	56.29
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-124.36	
			<i>For 1" Mesh Fabric, Add</i>	288.51	
			<i>For 1-1/4" Mesh Fabric, Add</i>	185.71	
			<i>For 1-3/4" Mesh Fabric, Add</i>	115.41	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-57.70	
			<i>For Gate With Single Barb Wire Arm, Add</i>	72.96	
			<i>For Gate With Double Barb Wire Arm, Add</i>	106.12	
32 31	13 13-0437	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	956.84	60.96
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-145.09	
			<i>For 1" Mesh Fabric, Add</i>	336.60	
			<i>For 1-1/4" Mesh Fabric, Add</i>	216.66	
			<i>For 1-3/4" Mesh Fabric, Add</i>	134.64	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-67.32	
			<i>For Gate With Single Barb Wire Arm, Add</i>	85.12	
			<i>For Gate With Double Barb Wire Arm, Add</i>	123.81	
32 31	13 13-0438	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,116.45	77.26
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-165.81	
			<i>For 1" Mesh Fabric, Add</i>	384.68	
			<i>For 1-1/4" Mesh Fabric, Add</i>	247.61	
			<i>For 1-3/4" Mesh Fabric, Add</i>	153.87	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-76.94	
			<i>For Gate With Single Barb Wire Arm, Add</i>	97.28	
			<i>For Gate With Double Barb Wire Arm, Add</i>	141.49	
32 31	13 13-0439	EA	18' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,243.58	82.80
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-186.54	
			<i>For 1" Mesh Fabric, Add</i>	432.77	
			<i>For 1-1/4" Mesh Fabric, Add</i>	278.56	
			<i>For 1-3/4" Mesh Fabric, Add</i>	173.11	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-86.55	
			<i>For Gate With Single Barb Wire Arm, Add</i>	109.44	
			<i>For Gate With Double Barb Wire Arm, Add</i>	159.18	
32 31	13 13-0440	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,373.26	89.22
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-207.27	
			<i>For 1" Mesh Fabric, Add</i>	480.86	
			<i>For 1-1/4" Mesh Fabric, Add</i>	309.52	
			<i>For 1-3/4" Mesh Fabric, Add</i>	192.34	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-96.17	
			<i>For Gate With Single Barb Wire Arm, Add</i>	121.60	
			<i>For Gate With Double Barb Wire Arm, Add</i>	176.87	



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0441 EA 22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,506.12	96.62
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-227.99	
For 1" Mesh Fabric, Add	528.94	
For 1-1/4" Mesh Fabric, Add	340.47	
For 1-3/4" Mesh Fabric, Add	211.58	
For 2-1/8" Mesh Fabric, Deduct	-105.79	
For Gate With Single Barb Wire Arm, Add	133.76	
For Gate With Double Barb Wire Arm, Add	194.55	
32 31 13 13-0442 EA 24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,643.04	105.43
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-248.72	
For 1" Mesh Fabric, Add	577.03	
For 1-1/4" Mesh Fabric, Add	371.42	
For 1-3/4" Mesh Fabric, Add	230.81	
For 2-1/8" Mesh Fabric, Deduct	-115.41	
For Gate With Single Barb Wire Arm, Add	145.92	
For Gate With Double Barb Wire Arm, Add	212.24	
32 31 13 13-0443 EA 26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,785.23	116.00
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-269.45	
For 1" Mesh Fabric, Add	625.11	
For 1-1/4" Mesh Fabric, Add	402.37	
For 1-3/4" Mesh Fabric, Add	250.04	
For 2-1/8" Mesh Fabric, Deduct	-125.02	
For Gate With Single Barb Wire Arm, Add	158.07	
For Gate With Double Barb Wire Arm, Add	229.93	
32 31 13 13-0444 EA 28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,934.45	128.83
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-290.17	
For 1" Mesh Fabric, Add	673.20	
For 1-1/4" Mesh Fabric, Add	433.32	
For 1-3/4" Mesh Fabric, Add	269.28	
For 2-1/8" Mesh Fabric, Deduct	-134.64	
For Gate With Single Barb Wire Arm, Add	170.23	
For Gate With Double Barb Wire Arm, Add	247.61	
32 31 13 13-0445 EA 30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,093.36	144.94
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-310.90	
For 1" Mesh Fabric, Add	721.28	
For 1-1/4" Mesh Fabric, Add	464.27	
For 1-3/4" Mesh Fabric, Add	288.51	
For 2-1/8" Mesh Fabric, Deduct	-144.26	
For Gate With Single Barb Wire Arm, Add	182.39	
For Gate With Double Barb Wire Arm, Add	265.30	
<b>32 31 13 13-0446 6' Fence Height (32 31 13 13-0405)</b>		
32 31 13 13-0447 EA 3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	226.12	26.08
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-27.69	
For 1" Mesh Fabric, Add	64.24	
For 1-1/4" Mesh Fabric, Add	41.35	
For 1-3/4" Mesh Fabric, Add	25.69	
For 2-1/8" Mesh Fabric, Deduct	-12.85	
For Gate With Single Barb Wire Arm, Add	16.24	
For Gate With Double Barb Wire Arm, Add	23.63	
32 31 13 13-0448 EA 4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	275.35	26.08
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-36.92	
For 1" Mesh Fabric, Add	85.65	
For 1-1/4" Mesh Fabric, Add	55.13	
For 1-3/4" Mesh Fabric, Add	34.26	
For 2-1/8" Mesh Fabric, Deduct	-17.13	
For Gate With Single Barb Wire Arm, Add	21.66	
For Gate With Double Barb Wire Arm, Add	31.50	
32 31 13 13-0449 EA 5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	317.10	27.73
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-43.84	
For 1" Mesh Fabric, Add	101.71	
For 1-1/4" Mesh Fabric, Add	65.47	
For 1-3/4" Mesh Fabric, Add	40.68	
For 2-1/8" Mesh Fabric, Deduct	-20.34	
For Gate With Single Barb Wire Arm, Add	25.72	
For Gate With Double Barb Wire Arm, Add	37.41	
32 31 13 13-0450 EA 6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	371.42	33.50
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-50.76	
For 1" Mesh Fabric, Add	117.77	
For 1-1/4" Mesh Fabric, Add	75.81	
For 1-3/4" Mesh Fabric, Add	47.11	
For 2-1/8" Mesh Fabric, Deduct	-23.55	
For Gate With Single Barb Wire Arm, Add	29.78	
For Gate With Double Barb Wire Arm, Add	43.32	
32 31 13 13-0451 EA 7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	425.72	39.36
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-57.68	
For 1" Mesh Fabric, Add	133.83	
For 1-1/4" Mesh Fabric, Add	86.14	
For 1-3/4" Mesh Fabric, Add	53.53	
For 2-1/8" Mesh Fabric, Deduct	-26.77	
For Gate With Single Barb Wire Arm, Add	33.84	
For Gate With Double Barb Wire Arm, Add	49.22	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0452	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	479.11	44.84
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-64.61	
			<i>For 1" Mesh Fabric, Add</i>	149.89	
			<i>For 1-1/4" Mesh Fabric, Add</i>	96.48	
			<i>For 1-3/4" Mesh Fabric, Add</i>	59.96	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-29.98	
			<i>For Gate With Single Barb Wire Arm, Add</i>	37.90	
			<i>For Gate With Double Barb Wire Arm, Add</i>	55.13	
32 31 13	13-0453	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	533.42	50.62
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-71.53	
			<i>For 1" Mesh Fabric, Add</i>	165.95	
			<i>For 1-1/4" Mesh Fabric, Add</i>	106.82	
			<i>For 1-3/4" Mesh Fabric, Add</i>	66.38	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-33.19	
			<i>For Gate With Single Barb Wire Arm, Add</i>	41.96	
			<i>For Gate With Double Barb Wire Arm, Add</i>	61.04	
32 31 13	13-0454	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	587.73	56.38
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-78.45	
			<i>For 1" Mesh Fabric, Add</i>	182.01	
			<i>For 1-1/4" Mesh Fabric, Add</i>	117.15	
			<i>For 1-3/4" Mesh Fabric, Add</i>	72.80	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-36.40	
			<i>For Gate With Single Barb Wire Arm, Add</i>	46.03	
			<i>For Gate With Double Barb Wire Arm, Add</i>	66.95	
32 31 13	13-0455	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	759.66	56.29
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-110.75	
			<i>For 1" Mesh Fabric, Add</i>	256.95	
			<i>For 1-1/4" Mesh Fabric, Add</i>	165.39	
			<i>For 1-3/4" Mesh Fabric, Add</i>	102.78	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-51.39	
			<i>For Gate With Single Barb Wire Arm, Add</i>	64.98	
			<i>For Gate With Double Barb Wire Arm, Add</i>	94.51	
32 31 13	13-0456	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	891.87	60.96
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-132.90	
			<i>For 1" Mesh Fabric, Add</i>	308.34	
			<i>For 1-1/4" Mesh Fabric, Add</i>	198.47	
			<i>For 1-3/4" Mesh Fabric, Add</i>	123.33	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-61.67	
			<i>For Gate With Single Barb Wire Arm, Add</i>	77.97	
			<i>For Gate With Double Barb Wire Arm, Add</i>	113.41	
32 31 13	13-0457	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,075.67	82.80
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-155.06	
			<i>For 1" Mesh Fabric, Add</i>	359.73	
			<i>For 1-1/4" Mesh Fabric, Add</i>	231.55	
			<i>For 1-3/4" Mesh Fabric, Add</i>	143.89	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-71.95	
			<i>For Gate With Single Barb Wire Arm, Add</i>	90.97	
			<i>For Gate With Double Barb Wire Arm, Add</i>	132.31	
32 31 13	13-0458	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,212.94	89.22
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-177.21	
			<i>For 1" Mesh Fabric, Add</i>	411.12	
			<i>For 1-1/4" Mesh Fabric, Add</i>	264.63	
			<i>For 1-3/4" Mesh Fabric, Add</i>	164.45	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-82.22	
			<i>For Gate With Single Barb Wire Arm, Add</i>	103.96	
			<i>For Gate With Double Barb Wire Arm, Add</i>	151.22	
32 31 13	13-0459	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,353.40	96.62
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-199.36	
			<i>For 1" Mesh Fabric, Add</i>	462.51	
			<i>For 1-1/4" Mesh Fabric, Add</i>	297.71	
			<i>For 1-3/4" Mesh Fabric, Add</i>	185.00	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-92.50	
			<i>For Gate With Single Barb Wire Arm, Add</i>	116.96	
			<i>For Gate With Double Barb Wire Arm, Add</i>	170.12	
32 31 13	13-0460	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,519.75	105.43
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-225.60	
			<i>For 1" Mesh Fabric, Add</i>	523.40	
			<i>For 1-1/4" Mesh Fabric, Add</i>	336.90	
			<i>For 1-3/4" Mesh Fabric, Add</i>	209.36	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-104.68	
			<i>For Gate With Single Barb Wire Arm, Add</i>	132.35	
			<i>For Gate With Double Barb Wire Arm, Add</i>	192.51	
32 31 13	13-0461	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,651.66	116.00
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-244.40	
			<i>For 1" Mesh Fabric, Add</i>	567.01	
			<i>For 1-1/4" Mesh Fabric, Add</i>	364.97	
			<i>For 1-3/4" Mesh Fabric, Add</i>	226.80	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-113.40	
			<i>For Gate With Single Barb Wire Arm, Add</i>	143.38	
			<i>For Gate With Double Barb Wire Arm, Add</i>	208.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0462 EA 24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,804.52	128.83
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-265.81	
For 1" Mesh Fabric, Add	616.68	
For 1-1/4" Mesh Fabric, Add	396.94	
For 1-3/4" Mesh Fabric, Add	246.67	
For 2-1/8" Mesh Fabric, Deduct	-123.34	
For Gate With Single Barb Wire Arm, Add	155.94	
For Gate With Double Barb Wire Arm, Add	226.82	
32 31 13 13-0463 EA 26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,971.03	144.94
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-287.96	
For 1" Mesh Fabric, Add	668.07	
For 1-1/4" Mesh Fabric, Add	430.02	
For 1-3/4" Mesh Fabric, Add	267.23	
For 2-1/8" Mesh Fabric, Deduct	-133.61	
For Gate With Single Barb Wire Arm, Add	168.94	
For Gate With Double Barb Wire Arm, Add	245.73	
32 31 13 13-0464 EA 28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,151.33	165.61
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-310.11	
For 1" Mesh Fabric, Add	719.46	
For 1-1/4" Mesh Fabric, Add	463.10	
For 1-3/4" Mesh Fabric, Add	287.78	
For 2-1/8" Mesh Fabric, Deduct	-143.89	
For Gate With Single Barb Wire Arm, Add	181.93	
For Gate With Double Barb Wire Arm, Add	264.63	
32 31 13 13-0465 EA 30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,352.38	193.24
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-332.26	
For 1" Mesh Fabric, Add	770.85	
For 1-1/4" Mesh Fabric, Add	496.18	
For 1-3/4" Mesh Fabric, Add	308.34	
For 2-1/8" Mesh Fabric, Deduct	-154.17	
For Gate With Single Barb Wire Arm, Add	194.93	
For Gate With Double Barb Wire Arm, Add	283.53	
<b>32 31 13 13-0466 7' Fence Height (32 31 13 13-0405)</b>		
32 31 13 13-0467 EA 3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	239.59	28.09
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-29.08	
For 1" Mesh Fabric, Add	67.47	
For 1-1/4" Mesh Fabric, Add	43.43	
For 1-3/4" Mesh Fabric, Add	26.99	
For 2-1/8" Mesh Fabric, Deduct	-13.49	
For Gate With Single Barb Wire Arm, Add	17.06	
For Gate With Double Barb Wire Arm, Add	24.82	
32 31 13 13-0468 EA 4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	291.30	28.09
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-38.78	
For 1" Mesh Fabric, Add	89.96	
For 1-1/4" Mesh Fabric, Add	57.91	
For 1-3/4" Mesh Fabric, Add	35.98	
For 2-1/8" Mesh Fabric, Deduct	-17.99	
For Gate With Single Barb Wire Arm, Add	22.75	
For Gate With Double Barb Wire Arm, Add	33.09	
32 31 13 13-0469 EA 5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	334.38	29.56
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-46.05	
For 1" Mesh Fabric, Add	106.84	
For 1-1/4" Mesh Fabric, Add	68.77	
For 1-3/4" Mesh Fabric, Add	42.73	
For 2-1/8" Mesh Fabric, Deduct	-21.37	
For Gate With Single Barb Wire Arm, Add	27.02	
For Gate With Double Barb Wire Arm, Add	39.30	
32 31 13 13-0470 EA 6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	392.36	35.97
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-53.32	
For 1" Mesh Fabric, Add	123.70	
For 1-1/4" Mesh Fabric, Add	79.62	
For 1-3/4" Mesh Fabric, Add	49.48	
For 2-1/8" Mesh Fabric, Deduct	-24.74	
For Gate With Single Barb Wire Arm, Add	31.28	
For Gate With Double Barb Wire Arm, Add	45.50	
32 31 13 13-0471 EA 7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	449.45	42.10
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-60.59	
For 1" Mesh Fabric, Add	140.57	
For 1-1/4" Mesh Fabric, Add	90.48	
For 1-3/4" Mesh Fabric, Add	56.23	
For 2-1/8" Mesh Fabric, Deduct	-28.11	
For Gate With Single Barb Wire Arm, Add	35.55	
For Gate With Double Barb Wire Arm, Add	51.70	
32 31 13 13-0472 EA 8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	507.46	48.41
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-67.86	
For 1" Mesh Fabric, Add	157.44	
For 1-1/4" Mesh Fabric, Add	101.34	
For 1-3/4" Mesh Fabric, Add	62.98	
For 2-1/8" Mesh Fabric, Deduct	-31.49	
For Gate With Single Barb Wire Arm, Add	39.81	
For Gate With Double Barb Wire Arm, Add	57.91	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0473	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	564.54	54.55
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-75.13	
			<i>For 1" Mesh Fabric, Add</i>	174.31	
			<i>For 1-1/4" Mesh Fabric, Add</i>	112.20	
			<i>For 1-3/4" Mesh Fabric, Add</i>	69.72	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-34.86	
			<i>For Gate With Single Barb Wire Arm, Add</i>	44.08	
			<i>For Gate With Double Barb Wire Arm, Add</i>	64.11	
32 31 13	13-0474	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	622.54	60.96
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-82.40	
			<i>For 1" Mesh Fabric, Add</i>	191.18	
			<i>For 1-1/4" Mesh Fabric, Add</i>	123.06	
			<i>For 1-3/4" Mesh Fabric, Add</i>	76.47	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-38.24	
			<i>For Gate With Single Barb Wire Arm, Add</i>	48.34	
			<i>For Gate With Double Barb Wire Arm, Add</i>	70.32	
32 31 13	13-0475	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	803.50	60.96
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-116.33	
			<i>For 1" Mesh Fabric, Add</i>	269.90	
			<i>For 1-1/4" Mesh Fabric, Add</i>	173.73	
			<i>For 1-3/4" Mesh Fabric, Add</i>	107.96	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-53.98	
			<i>For Gate With Single Barb Wire Arm, Add</i>	68.25	
			<i>For Gate With Double Barb Wire Arm, Add</i>	99.27	
32 31 13	13-0476	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	993.23	82.80
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-139.60	
			<i>For 1" Mesh Fabric, Add</i>	323.87	
			<i>For 1-1/4" Mesh Fabric, Add</i>	208.47	
			<i>For 1-3/4" Mesh Fabric, Add</i>	129.55	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-64.77	
			<i>For Gate With Single Barb Wire Arm, Add</i>	81.90	
			<i>For Gate With Double Barb Wire Arm, Add</i>	119.12	
32 31 13	13-0477	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,136.46	89.22
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-162.87	
			<i>For 1" Mesh Fabric, Add</i>	377.85	
			<i>For 1-1/4" Mesh Fabric, Add</i>	243.21	
			<i>For 1-3/4" Mesh Fabric, Add</i>	151.14	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-75.57	
			<i>For Gate With Single Barb Wire Arm, Add</i>	95.55	
			<i>For Gate With Double Barb Wire Arm, Add</i>	138.98	
32 31 13	13-0478	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,282.85	96.62
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-186.13	
			<i>For 1" Mesh Fabric, Add</i>	431.82	
			<i>For 1-1/4" Mesh Fabric, Add</i>	277.95	
			<i>For 1-3/4" Mesh Fabric, Add</i>	172.73	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-86.36	
			<i>For Gate With Single Barb Wire Arm, Add</i>	109.20	
			<i>For Gate With Double Barb Wire Arm, Add</i>	158.83	
32 31 13	13-0479	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,433.33	105.43
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-209.40	
			<i>For 1" Mesh Fabric, Add</i>	485.80	
			<i>For 1-1/4" Mesh Fabric, Add</i>	312.70	
			<i>For 1-3/4" Mesh Fabric, Add</i>	194.32	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-97.16	
			<i>For Gate With Single Barb Wire Arm, Add</i>	122.85	
			<i>For Gate With Double Barb Wire Arm, Add</i>	178.69	
32 31 13	13-0480	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,589.05	116.00
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-232.66	
			<i>For 1" Mesh Fabric, Add</i>	539.77	
			<i>For 1-1/4" Mesh Fabric, Add</i>	347.44	
			<i>For 1-3/4" Mesh Fabric, Add</i>	215.91	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-107.95	
			<i>For Gate With Single Barb Wire Arm, Add</i>	136.49	
			<i>For Gate With Double Barb Wire Arm, Add</i>	198.54	
32 31 13	13-0481	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,751.80	128.83
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-255.92	
			<i>For 1" Mesh Fabric, Add</i>	593.74	
			<i>For 1-1/4" Mesh Fabric, Add</i>	382.18	
			<i>For 1-3/4" Mesh Fabric, Add</i>	237.50	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-118.75	
			<i>For Gate With Single Barb Wire Arm, Add</i>	150.14	
			<i>For Gate With Double Barb Wire Arm, Add</i>	218.39	
32 31 13	13-0482	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,924.27	144.94
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-279.19	
			<i>For 1" Mesh Fabric, Add</i>	647.73	
			<i>For 1-1/4" Mesh Fabric, Add</i>	416.93	
			<i>For 1-3/4" Mesh Fabric, Add</i>	259.09	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-129.55	
			<i>For Gate With Single Barb Wire Arm, Add</i>	163.79	
			<i>For Gate With Double Barb Wire Arm, Add</i>	238.24	



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0483 EA 26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,110.54	165.61
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-302.46	
For 1" Mesh Fabric, Add	701.71	
For 1-1/4" Mesh Fabric, Add	451.68	
For 1-3/4" Mesh Fabric, Add	280.68	
For 2-1/8" Mesh Fabric, Deduct	-140.34	
For Gate With Single Barb Wire Arm, Add	177.44	
For Gate With Double Barb Wire Arm, Add	258.10	
32 31 13 13-0484 EA 28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,317.52	193.24
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-325.73	
For 1" Mesh Fabric, Add	755.68	
For 1-1/4" Mesh Fabric, Add	486.42	
For 1-3/4" Mesh Fabric, Add	302.27	
For 2-1/8" Mesh Fabric, Deduct	-151.14	
For Gate With Single Barb Wire Arm, Add	191.09	
For Gate With Double Barb Wire Arm, Add	277.95	
32 31 13 13-0485 EA 30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,557.69	231.88
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-349.00	
For 1" Mesh Fabric, Add	809.67	
For 1-1/4" Mesh Fabric, Add	521.17	
For 1-3/4" Mesh Fabric, Add	323.87	
For 2-1/8" Mesh Fabric, Deduct	-161.93	
For Gate With Single Barb Wire Arm, Add	204.74	
For Gate With Double Barb Wire Arm, Add	297.81	
<b>32 31 13 13-0486 8' Fence Height</b> <small>(32 31 13 13-0405)</small>		
32 31 13 13-0487 EA 3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	279.52	30.47
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-35.25	
For 1" Mesh Fabric, Add	81.78	
For 1-1/4" Mesh Fabric, Add	52.64	
For 1-3/4" Mesh Fabric, Add	32.71	
For 2-1/8" Mesh Fabric, Deduct	-16.36	
For Gate With Single Barb Wire Arm, Add	20.68	
For Gate With Double Barb Wire Arm, Add	30.08	
32 31 13 13-0488 EA 4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	342.19	30.47
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-47.00	
For 1" Mesh Fabric, Add	109.04	
For 1-1/4" Mesh Fabric, Add	70.19	
For 1-3/4" Mesh Fabric, Add	43.62	
For 2-1/8" Mesh Fabric, Deduct	-21.81	
For Gate With Single Barb Wire Arm, Add	27.57	
For Gate With Double Barb Wire Arm, Add	40.11	
32 31 13 13-0489 EA 5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	383.97	30.47
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.83	
For 1" Mesh Fabric, Add	127.22	
For 1-1/4" Mesh Fabric, Add	81.89	
For 1-3/4" Mesh Fabric, Add	50.89	
For 2-1/8" Mesh Fabric, Deduct	-25.44	
For Gate With Single Barb Wire Arm, Add	32.17	
For Gate With Double Barb Wire Arm, Add	46.79	
32 31 13 13-0490 EA 6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	449.54	38.44
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-62.67	
For 1" Mesh Fabric, Add	145.39	
For 1-1/4" Mesh Fabric, Add	93.58	
For 1-3/4" Mesh Fabric, Add	58.15	
For 2-1/8" Mesh Fabric, Deduct	-29.08	
For Gate With Single Barb Wire Arm, Add	36.76	
For Gate With Double Barb Wire Arm, Add	53.48	
32 31 13 13-0491 EA 7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	515.11	46.31
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-70.50	
For 1" Mesh Fabric, Add	163.56	
For 1-1/4" Mesh Fabric, Add	105.28	
For 1-3/4" Mesh Fabric, Add	65.42	
For 2-1/8" Mesh Fabric, Deduct	-32.71	
For Gate With Single Barb Wire Arm, Add	41.36	
For Gate With Double Barb Wire Arm, Add	60.16	
32 31 13 13-0492 EA 8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	579.78	53.91
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-78.33	
For 1" Mesh Fabric, Add	181.73	
For 1-1/4" Mesh Fabric, Add	116.98	
For 1-3/4" Mesh Fabric, Add	72.69	
For 2-1/8" Mesh Fabric, Deduct	-36.35	
For Gate With Single Barb Wire Arm, Add	45.96	
For Gate With Double Barb Wire Arm, Add	66.84	
32 31 13 13-0493 EA 9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	645.36	61.87
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-86.17	
For 1" Mesh Fabric, Add	199.91	
For 1-1/4" Mesh Fabric, Add	128.68	
For 1-3/4" Mesh Fabric, Add	79.96	
For 2-1/8" Mesh Fabric, Deduct	-39.98	
For Gate With Single Barb Wire Arm, Add	50.55	
For Gate With Double Barb Wire Arm, Add	73.53	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0494	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	710.93	69.83
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-94.00	
			<i>For 1" Mesh Fabric, Add</i>	218.08	
			<i>For 1-1/4" Mesh Fabric, Add</i>	140.38	
			<i>For 1-3/4" Mesh Fabric, Add</i>	87.23	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-43.62	
			<i>For Gate With Single Barb Wire Arm, Add</i>	55.15	
			<i>For Gate With Double Barb Wire Arm, Add</i>	80.21	
32 31 13	13-0495	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,000.70	82.80
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-141.00	
			<i>For 1" Mesh Fabric, Add</i>	327.12	
			<i>For 1-1/4" Mesh Fabric, Add</i>	210.56	
			<i>For 1-3/4" Mesh Fabric, Add</i>	130.85	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-65.42	
			<i>For Gate With Single Barb Wire Arm, Add</i>	82.72	
			<i>For Gate With Double Barb Wire Arm, Add</i>	120.32	
32 31 13	13-0496	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,170.23	89.22
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-169.20	
			<i>For 1" Mesh Fabric, Add</i>	392.54	
			<i>For 1-1/4" Mesh Fabric, Add</i>	252.67	
			<i>For 1-3/4" Mesh Fabric, Add</i>	157.02	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-78.51	
			<i>For Gate With Single Barb Wire Arm, Add</i>	99.26	
			<i>For Gate With Double Barb Wire Arm, Add</i>	144.38	
32 31 13	13-0497	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,342.95	96.62
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-197.40	
			<i>For 1" Mesh Fabric, Add</i>	457.96	
			<i>For 1-1/4" Mesh Fabric, Add</i>	294.78	
			<i>For 1-3/4" Mesh Fabric, Add</i>	183.19	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-91.59	
			<i>For Gate With Single Barb Wire Arm, Add</i>	115.81	
			<i>For Gate With Double Barb Wire Arm, Add</i>	168.45	
32 31 13	13-0498	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,519.73	105.43
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-225.60	
			<i>For 1" Mesh Fabric, Add</i>	523.39	
			<i>For 1-1/4" Mesh Fabric, Add</i>	336.89	
			<i>For 1-3/4" Mesh Fabric, Add</i>	209.36	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-104.68	
			<i>For Gate With Single Barb Wire Arm, Add</i>	132.35	
			<i>For Gate With Double Barb Wire Arm, Add</i>	192.51	
32 31 13	13-0499	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,701.78	116.00
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-253.80	
			<i>For 1" Mesh Fabric, Add</i>	588.81	
			<i>For 1-1/4" Mesh Fabric, Add</i>	379.01	
			<i>For 1-3/4" Mesh Fabric, Add</i>	235.52	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-117.76	
			<i>For Gate With Single Barb Wire Arm, Add</i>	148.89	
			<i>For Gate With Double Barb Wire Arm, Add</i>	216.57	
32 31 13	13-0500	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,890.86	128.83
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-282.00	
			<i>For 1" Mesh Fabric, Add</i>	654.24	
			<i>For 1-1/4" Mesh Fabric, Add</i>	421.12	
			<i>For 1-3/4" Mesh Fabric, Add</i>	261.69	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-130.85	
			<i>For Gate With Single Barb Wire Arm, Add</i>	165.44	
			<i>For Gate With Double Barb Wire Arm, Add</i>	240.64	
32 31 13	13-0501	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,089.63	144.94
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-310.20	
			<i>For 1" Mesh Fabric, Add</i>	719.66	
			<i>For 1-1/4" Mesh Fabric, Add</i>	463.23	
			<i>For 1-3/4" Mesh Fabric, Add</i>	287.86	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-143.93	
			<i>For Gate With Single Barb Wire Arm, Add</i>	181.98	
			<i>For Gate With Double Barb Wire Arm, Add</i>	264.70	
32 31 13	13-0502	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,302.20	165.61
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-338.40	
			<i>For 1" Mesh Fabric, Add</i>	785.08	
			<i>For 1-1/4" Mesh Fabric, Add</i>	505.34	
			<i>For 1-3/4" Mesh Fabric, Add</i>	314.03	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-157.02	
			<i>For Gate With Single Barb Wire Arm, Add</i>	198.53	
			<i>For Gate With Double Barb Wire Arm, Add</i>	288.77	
32 31 13	13-0503	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,535.51	193.24
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-366.60	
			<i>For 1" Mesh Fabric, Add</i>	850.51	
			<i>For 1-1/4" Mesh Fabric, Add</i>	547.45	
			<i>For 1-3/4" Mesh Fabric, Add</i>	340.20	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-170.10	
			<i>For Gate With Single Barb Wire Arm, Add</i>	215.07	
			<i>For Gate With Double Barb Wire Arm, Add</i>	312.83	





<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0504 EA 28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,801.96	231.88
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-394.80	
For 1" Mesh Fabric, Add	915.93	
For 1-1/4" Mesh Fabric, Add	589.56	
For 1-3/4" Mesh Fabric, Add	366.37	
For 2-1/8" Mesh Fabric, Deduct	-183.19	
For Gate With Single Barb Wire Arm, Add	231.61	
For Gate With Double Barb Wire Arm, Add	336.89	
32 31 13 13-0505 EA 30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	3,126.45	289.86
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-423.00	
For 1" Mesh Fabric, Add	981.35	
For 1-1/4" Mesh Fabric, Add	631.67	
For 1-3/4" Mesh Fabric, Add	392.54	
For 2-1/8" Mesh Fabric, Deduct	-196.27	
For Gate With Single Barb Wire Arm, Add	248.16	
For Gate With Double Barb Wire Arm, Add	360.96	
<b>32 31 13 13-0506 10' Fence Height (32 31 13 13-0405)</b>		
32 31 13 13-0507 EA 3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	319.79	33.87
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-40.89	
For 1" Mesh Fabric, Add	94.87	
For 1-1/4" Mesh Fabric, Add	61.07	
For 1-3/4" Mesh Fabric, Add	37.95	
For 2-1/8" Mesh Fabric, Deduct	-18.97	
For Gate With Single Barb Wire Arm, Add	23.99	
For Gate With Double Barb Wire Arm, Add	34.89	
32 31 13 13-0508 EA 4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	392.48	33.87
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.52	
For 1" Mesh Fabric, Add	126.49	
For 1-1/4" Mesh Fabric, Add	81.42	
For 1-3/4" Mesh Fabric, Add	50.60	
For 2-1/8" Mesh Fabric, Deduct	-25.30	
For Gate With Single Barb Wire Arm, Add	31.99	
For Gate With Double Barb Wire Arm, Add	46.52	
32 31 13 13-0509 EA 5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm.....	445.42	35.32
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-63.61	
For 1" Mesh Fabric, Add	147.57	
For 1-1/4" Mesh Fabric, Add	94.99	
For 1-3/4" Mesh Fabric, Add	59.03	
For 2-1/8" Mesh Fabric, Deduct	-29.51	
For Gate With Single Barb Wire Arm, Add	37.32	
For Gate With Double Barb Wire Arm, Add	54.28	
32 31 13 13-0510 EA 6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	519.50	43.93
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-72.70	
For 1" Mesh Fabric, Add	168.65	
For 1-1/4" Mesh Fabric, Add	108.56	
For 1-3/4" Mesh Fabric, Add	67.46	
For 2-1/8" Mesh Fabric, Deduct	-33.73	
For Gate With Single Barb Wire Arm, Add	42.65	
For Gate With Double Barb Wire Arm, Add	62.03	
32 31 13 13-0511 EA 7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	592.69	52.07
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-81.78	
For 1" Mesh Fabric, Add	189.74	
For 1-1/4" Mesh Fabric, Add	122.13	
For 1-3/4" Mesh Fabric, Add	75.90	
For 2-1/8" Mesh Fabric, Deduct	-37.95	
For Gate With Single Barb Wire Arm, Add	47.98	
For Gate With Double Barb Wire Arm, Add	69.79	
32 31 13 13-0512 EA 8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	666.78	60.68
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-90.87	
For 1" Mesh Fabric, Add	210.82	
For 1-1/4" Mesh Fabric, Add	135.70	
For 1-3/4" Mesh Fabric, Add	84.33	
For 2-1/8" Mesh Fabric, Deduct	-42.16	
For Gate With Single Barb Wire Arm, Add	53.31	
For Gate With Double Barb Wire Arm, Add	77.54	
32 31 13 13-0513 EA 9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	739.96	68.92
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-99.96	
For 1" Mesh Fabric, Add	231.91	
For 1-1/4" Mesh Fabric, Add	149.27	
For 1-3/4" Mesh Fabric, Add	92.76	
For 2-1/8" Mesh Fabric, Deduct	-46.38	
For Gate With Single Barb Wire Arm, Add	58.64	
For Gate With Double Barb Wire Arm, Add	85.30	
32 31 13 13-0514 EA 10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	814.05	77.43
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-109.05	
For 1" Mesh Fabric, Add	252.99	
For 1-1/4" Mesh Fabric, Add	162.84	
For 1-3/4" Mesh Fabric, Add	101.19	
For 2-1/8" Mesh Fabric, Deduct	-50.60	
For Gate With Single Barb Wire Arm, Add	63.97	
For Gate With Double Barb Wire Arm, Add	93.05	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0515	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,148.69	92.06
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-163.57	
			<i>For 1" Mesh Fabric, Add</i>	379.47	
			<i>For 1-1/4" Mesh Fabric, Add</i>	244.26	
			<i>For 1-3/4" Mesh Fabric, Add</i>	151.79	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-75.89	
			<i>For Gate With Single Barb Wire Arm, Add</i>	95.96	
			<i>For Gate With Double Barb Wire Arm, Add</i>	139.58	
32 31	13 13-0516	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,344.32	99.02
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-196.28	
			<i>For 1" Mesh Fabric, Add</i>	455.37	
			<i>For 1-1/4" Mesh Fabric, Add</i>	293.11	
			<i>For 1-3/4" Mesh Fabric, Add</i>	182.15	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-91.07	
			<i>For Gate With Single Barb Wire Arm, Add</i>	115.15	
			<i>For Gate With Double Barb Wire Arm, Add</i>	167.49	
32 31	13 13-0517	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,543.69	107.39
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-228.99	
			<i>For 1" Mesh Fabric, Add</i>	531.26	
			<i>For 1-1/4" Mesh Fabric, Add</i>	341.96	
			<i>For 1-3/4" Mesh Fabric, Add</i>	212.50	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-106.25	
			<i>For Gate With Single Barb Wire Arm, Add</i>	134.34	
			<i>For Gate With Double Barb Wire Arm, Add</i>	195.41	
32 31	13 13-0518	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,747.33	117.07
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-261.71	
			<i>For 1" Mesh Fabric, Add</i>	607.16	
			<i>For 1-1/4" Mesh Fabric, Add</i>	390.81	
			<i>For 1-3/4" Mesh Fabric, Add</i>	242.86	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-121.43	
			<i>For Gate With Single Barb Wire Arm, Add</i>	153.53	
			<i>For Gate With Double Barb Wire Arm, Add</i>	223.32	
32 31	13 13-0519	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,957.10	128.83
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-294.42	
			<i>For 1" Mesh Fabric, Add</i>	683.05	
			<i>For 1-1/4" Mesh Fabric, Add</i>	439.66	
			<i>For 1-3/4" Mesh Fabric, Add</i>	273.22	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-136.61	
			<i>For Gate With Single Barb Wire Arm, Add</i>	172.73	
			<i>For Gate With Double Barb Wire Arm, Add</i>	251.24	
32 31	13 13-0520	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,174.36	143.08
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-327.13	
			<i>For 1" Mesh Fabric, Add</i>	758.94	
			<i>For 1-1/4" Mesh Fabric, Add</i>	488.52	
			<i>For 1-3/4" Mesh Fabric, Add</i>	303.58	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-151.79	
			<i>For Gate With Single Barb Wire Arm, Add</i>	191.92	
			<i>For Gate With Double Barb Wire Arm, Add</i>	279.15	
32 31	13 13-0521	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,402.77	161.04
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-359.84	
			<i>For 1" Mesh Fabric, Add</i>	834.84	
			<i>For 1-1/4" Mesh Fabric, Add</i>	537.37	
			<i>For 1-3/4" Mesh Fabric, Add</i>	333.94	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-166.97	
			<i>For Gate With Single Barb Wire Arm, Add</i>	211.11	
			<i>For Gate With Double Barb Wire Arm, Add</i>	307.07	
32 31	13 13-0522	EA	24' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,645.97	183.89
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-392.56	
			<i>For 1" Mesh Fabric, Add</i>	910.73	
			<i>For 1-1/4" Mesh Fabric, Add</i>	586.22	
			<i>For 1-3/4" Mesh Fabric, Add</i>	364.29	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-182.15	
			<i>For Gate With Single Barb Wire Arm, Add</i>	230.30	
			<i>For Gate With Double Barb Wire Arm, Add</i>	334.98	
32 31	13 13-0523	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,912.91	214.68
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-425.27	
			<i>For 1" Mesh Fabric, Add</i>	986.63	
			<i>For 1-1/4" Mesh Fabric, Add</i>	635.07	
			<i>For 1-3/4" Mesh Fabric, Add</i>	394.65	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-197.33	
			<i>For Gate With Single Barb Wire Arm, Add</i>	249.49	
			<i>For Gate With Double Barb Wire Arm, Add</i>	362.90	
32 31	13 13-0524	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	3,215.65	257.45
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-457.98	
			<i>For 1" Mesh Fabric, Add</i>	1,062.52	
			<i>For 1-1/4" Mesh Fabric, Add</i>	683.92	
			<i>For 1-3/4" Mesh Fabric, Add</i>	425.01	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-212.50	
			<i>For Gate With Single Barb Wire Arm, Add</i>	268.68	
			<i>For Gate With Double Barb Wire Arm, Add</i>	390.81	



	<b>Exterior Improvements</b>	<b>32</b>
	Site Improvements	32 30
	Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0525 EA 30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	3,584.25	322.07
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-490.70	
For 1" Mesh Fabric, Add	1,138.42	
For 1-1/4" Mesh Fabric, Add	732.77	
For 1-3/4" Mesh Fabric, Add	455.37	
For 2-1/8" Mesh Fabric, Deduct	-227.68	
For Gate With Single Barb Wire Arm, Add	287.88	
For Gate With Double Barb Wire Arm, Add	418.73	
<b>32 31 13 13-0526 12' Fence Height (22 31 13 13-0405)</b>		
32 31 13 13-0527 EA 3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	417.13	37.61
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-57.03	
For 1" Mesh Fabric, Add	132.30	
For 1-1/4" Mesh Fabric, Add	85.16	
For 1-3/4" Mesh Fabric, Add	52.92	
For 2-1/8" Mesh Fabric, Deduct	-26.46	
For Gate With Single Barb Wire Arm, Add	33.46	
For Gate With Double Barb Wire Arm, Add	48.66	
32 31 13 13-0528 EA 4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	518.24	37.61
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-75.98	
For 1" Mesh Fabric, Add	176.28	
For 1-1/4" Mesh Fabric, Add	113.47	
For 1-3/4" Mesh Fabric, Add	70.51	
For 2-1/8" Mesh Fabric, Deduct	-35.26	
For Gate With Single Barb Wire Arm, Add	44.58	
For Gate With Double Barb Wire Arm, Add	64.84	
32 31 13 13-0529 EA 5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	597.60	38.99
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-90.08	
For 1" Mesh Fabric, Add	209.00	
For 1-1/4" Mesh Fabric, Add	134.53	
For 1-3/4" Mesh Fabric, Add	83.60	
For 2-1/8" Mesh Fabric, Deduct	-41.80	
For Gate With Single Barb Wire Arm, Add	52.85	
For Gate With Double Barb Wire Arm, Add	76.87	
32 31 13 13-0530 EA 6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	688.63	48.41
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-101.83	
For 1" Mesh Fabric, Add	236.25	
For 1-1/4" Mesh Fabric, Add	152.07	
For 1-3/4" Mesh Fabric, Add	94.50	
For 2-1/8" Mesh Fabric, Deduct	-47.25	
For Gate With Single Barb Wire Arm, Add	59.74	
For Gate With Double Barb Wire Arm, Add	86.90	
32 31 13 13-0531 EA 7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	786.64	57.93
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-114.89	
For 1" Mesh Fabric, Add	266.54	
For 1-1/4" Mesh Fabric, Add	171.57	
For 1-3/4" Mesh Fabric, Add	106.62	
For 2-1/8" Mesh Fabric, Deduct	-53.31	
For Gate With Single Barb Wire Arm, Add	67.40	
For Gate With Double Barb Wire Arm, Add	98.04	
32 31 13 13-0532 EA 8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	883.73	67.09
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-127.94	
For 1" Mesh Fabric, Add	296.83	
For 1-1/4" Mesh Fabric, Add	191.06	
For 1-3/4" Mesh Fabric, Add	118.73	
For 2-1/8" Mesh Fabric, Deduct	-59.37	
For Gate With Single Barb Wire Arm, Add	75.06	
For Gate With Double Barb Wire Arm, Add	109.18	
32 31 13 13-0533 EA 9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	981.73	76.52
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-141.00	
For 1" Mesh Fabric, Add	327.12	
For 1-1/4" Mesh Fabric, Add	210.56	
For 1-3/4" Mesh Fabric, Add	130.85	
For 2-1/8" Mesh Fabric, Deduct	-65.42	
For Gate With Single Barb Wire Arm, Add	82.72	
For Gate With Double Barb Wire Arm, Add	120.32	
32 31 13 13-0534 EA 10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	1,072.77	85.94
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-152.75	
For 1" Mesh Fabric, Add	354.38	
For 1-1/4" Mesh Fabric, Add	228.11	
For 1-3/4" Mesh Fabric, Add	141.75	
For 2-1/8" Mesh Fabric, Deduct	-70.88	
For Gate With Single Barb Wire Arm, Add	89.61	
For Gate With Double Barb Wire Arm, Add	130.35	
32 31 13 13-0535 EA 10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,528.52	102.28
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-229.05	
For 1" Mesh Fabric, Add	531.39	
For 1-1/4" Mesh Fabric, Add	342.05	
For 1-3/4" Mesh Fabric, Add	212.56	
For 2-1/8" Mesh Fabric, Deduct	-106.28	
For Gate With Single Barb Wire Arm, Add	134.37	
For Gate With Double Barb Wire Arm, Add	195.45	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0536	EA	12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,836.16	110.11
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-282.32	
			For 1" Mesh Fabric, Add	654.97	
			For 1-1/4" Mesh Fabric, Add	421.59	
			For 1-3/4" Mesh Fabric, Add	261.99	
			For 2-1/8" Mesh Fabric, Deduct	-130.99	
			For Gate With Single Barb Wire Arm, Add	165.62	
			For Gate With Double Barb Wire Arm, Add	240.91	
32 31 13	13-0537	EA	14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,116.24	119.25
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-329.63	
			For 1" Mesh Fabric, Add	764.74	
			For 1-1/4" Mesh Fabric, Add	492.25	
			For 1-3/4" Mesh Fabric, Add	305.90	
			For 2-1/8" Mesh Fabric, Deduct	-152.95	
			For Gate With Single Barb Wire Arm, Add	193.38	
			For Gate With Double Barb Wire Arm, Add	281.28	
32 31 13	13-0538	EA	16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,399.39	130.03
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-376.63	
			For 1" Mesh Fabric, Add	873.78	
			For 1-1/4" Mesh Fabric, Add	562.43	
			For 1-3/4" Mesh Fabric, Add	349.51	
			For 2-1/8" Mesh Fabric, Deduct	-174.76	
			For Gate With Single Barb Wire Arm, Add	220.96	
			For Gate With Double Barb Wire Arm, Add	321.39	
32 31 13	13-0539	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,685.87	143.19
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-423.00	
			For 1" Mesh Fabric, Add	981.36	
			For 1-1/4" Mesh Fabric, Add	631.68	
			For 1-3/4" Mesh Fabric, Add	392.55	
			For 2-1/8" Mesh Fabric, Deduct	-196.27	
			For Gate With Single Barb Wire Arm, Add	248.16	
			For Gate With Double Barb Wire Arm, Add	360.96	
32 31 13	13-0540	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,983.91	158.97
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-470.00	
			For 1" Mesh Fabric, Add	1,090.41	
			For 1-1/4" Mesh Fabric, Add	701.87	
			For 1-3/4" Mesh Fabric, Add	436.16	
			For 2-1/8" Mesh Fabric, Deduct	-218.08	
			For Gate With Single Barb Wire Arm, Add	275.73	
			For Gate With Double Barb Wire Arm, Add	401.07	
32 31 13	13-0541	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	3,294.68	178.88
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-517.00	
			For 1" Mesh Fabric, Add	1,199.45	
			For 1-1/4" Mesh Fabric, Add	772.06	
			For 1-3/4" Mesh Fabric, Add	479.78	
			For 2-1/8" Mesh Fabric, Deduct	-239.89	
			For Gate With Single Barb Wire Arm, Add	303.31	
			For Gate With Double Barb Wire Arm, Add	441.18	
32 31 13	13-0542	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	3,621.72	204.35
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-564.00	
			For 1" Mesh Fabric, Add	1,308.49	
			For 1-1/4" Mesh Fabric, Add	842.25	
			For 1-3/4" Mesh Fabric, Add	523.40	
			For 2-1/8" Mesh Fabric, Deduct	-261.70	
			For Gate With Single Barb Wire Arm, Add	330.88	
			For Gate With Double Barb Wire Arm, Add	481.28	
32 31 13	13-0543	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	3,983.48	238.62
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-612.57	
			For 1" Mesh Fabric, Add	1,421.16	
			For 1-1/4" Mesh Fabric, Add	914.77	
			For 1-3/4" Mesh Fabric, Add	568.46	
			For 2-1/8" Mesh Fabric, Deduct	-284.23	
			For Gate With Single Barb Wire Arm, Add	359.37	
			For Gate With Double Barb Wire Arm, Add	522.73	
32 31 13	13-0544	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	4,376.67	286.06
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-659.57	
			For 1" Mesh Fabric, Add	1,530.20	
			For 1-1/4" Mesh Fabric, Add	984.96	
			For 1-3/4" Mesh Fabric, Add	612.08	
			For 2-1/8" Mesh Fabric, Deduct	-306.04	
			For Gate With Single Barb Wire Arm, Add	386.95	
			For Gate With Double Barb Wire Arm, Add	562.83	
32 31 13	13-0545	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	4,843.04	357.88
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-706.57	
			For 1" Mesh Fabric, Add	1,639.25	
			For 1-1/4" Mesh Fabric, Add	1,055.15	
			For 1-3/4" Mesh Fabric, Add	655.70	
			For 2-1/8" Mesh Fabric, Deduct	-327.85	
			For Gate With Single Barb Wire Arm, Add	414.52	
			For Gate With Double Barb Wire Arm, Add	602.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 31 13 13-0546 Chain Link Galvanized Steel Sliding Gate</b> <small>(32 31 13 13-0263)</small>		
Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0630 for additional gate accessories, 32 31 13 13-0711 for gate replacement parts.		
<b>32 31 13 13-0547 4' High Chain Link Galvanized Steel Sliding Gate</b> <small>(32 31 13 13-0546)</small>		
32 31 13 13-0548 EA 10' Long x 4' High Chain Link Galvanized Steel Sliding Gate .....	2,500.08	353.20
For 1" Mesh Fabric, Add	780.23	
For 1-1/4" Mesh Fabric, Add	502.22	
For 1-3/4" Mesh Fabric, Add	312.09	
For 2-1/8" Mesh Fabric, Deduct	-156.05	
For Gate With Barb Wire Arm, Add	197.30	
For Vinyl Coated, Add	538.09	
32 31 13 13-0549 EA 12' Long x 4' High Chain Link Galvanized Steel Sliding Gate .....	3,005.11	426.43
For 1" Mesh Fabric, Add	936.28	
For 1-1/4" Mesh Fabric, Add	602.66	
For 1-3/4" Mesh Fabric, Add	374.51	
For 2-1/8" Mesh Fabric, Deduct	-187.26	
For Gate With Barb Wire Arm, Add	236.76	
For Vinyl Coated, Add	645.71	
32 31 13 13-0550 EA 14' Long x 4' High Chain Link Galvanized Steel Sliding Gate .....	3,506.16	497.48
For 1" Mesh Fabric, Add	1,092.33	
For 1-1/4" Mesh Fabric, Add	703.11	
For 1-3/4" Mesh Fabric, Add	436.93	
For 2-1/8" Mesh Fabric, Deduct	-218.47	
For Gate With Barb Wire Arm, Add	276.22	
For Vinyl Coated, Add	753.33	
32 31 13 13-0551 EA 16' Long x 4' High Chain Link Galvanized Steel Sliding Gate .....	4,013.38	571.79
For 1" Mesh Fabric, Add	1,248.38	
For 1-1/4" Mesh Fabric, Add	803.55	
For 1-3/4" Mesh Fabric, Add	499.35	
For 2-1/8" Mesh Fabric, Deduct	-249.68	
For Gate With Barb Wire Arm, Add	315.68	
For Vinyl Coated, Add	860.95	
32 31 13 13-0552 EA 18' Long x 4' High Chain Link Galvanized Steel Sliding Gate .....	4,515.11	643.28
For 1" Mesh Fabric, Add	1,404.43	
For 1-1/4" Mesh Fabric, Add	904.00	
For 1-3/4" Mesh Fabric, Add	561.77	
For 2-1/8" Mesh Fabric, Deduct	-280.89	
For Gate With Barb Wire Arm, Add	355.14	
For Vinyl Coated, Add	968.57	
32 31 13 13-0553 EA 20' Long x 4' High Chain Link Galvanized Steel Sliding Gate .....	5,003.63	708.13
For 1" Mesh Fabric, Add	1,560.48	
For 1-1/4" Mesh Fabric, Add	1,004.44	
For 1-3/4" Mesh Fabric, Add	624.19	
For 2-1/8" Mesh Fabric, Deduct	-312.10	
For Gate With Barb Wire Arm, Add	394.60	
For Vinyl Coated, Add	1,076.19	
32 31 13 13-0554 EA 24' Long x 4' High Chain Link Galvanized Steel Sliding Gate .....	5,978.64	852.74
For 1" Mesh Fabric, Add	1,858.82	
For 1-1/4" Mesh Fabric, Add	1,196.48	
For 1-3/4" Mesh Fabric, Add	743.53	
For 2-1/8" Mesh Fabric, Deduct	-371.76	
For Gate With Barb Wire Arm, Add	470.05	
For Vinyl Coated, Add	1,281.95	
32 31 13 13-0555 EA 30' Long x 4' High Chain Link Galvanized Steel Sliding Gate .....	8,600.15	1,609.61
For 1" Mesh Fabric, Add	2,340.71	
For 1-1/4" Mesh Fabric, Add	1,506.66	
For 1-3/4" Mesh Fabric, Add	936.28	
For 2-1/8" Mesh Fabric, Deduct	-468.14	
For Gate With Barb Wire Arm, Add	591.90	
For Vinyl Coated, Add	1,614.28	
32 31 13 13-0556 EA 40' Long x 4' High Chain Link Galvanized Steel Sliding Gate .....	11,466.86	2,146.16
For 1" Mesh Fabric, Add	3,120.94	
For 1-1/4" Mesh Fabric, Add	2,008.88	
For 1-3/4" Mesh Fabric, Add	1,248.38	
For 2-1/8" Mesh Fabric, Deduct	-624.19	
For Gate With Barb Wire Arm, Add	789.20	
For Vinyl Coated, Add	2,152.37	
<b>32 31 13 13-0557 5' High Chain Link Galvanized Steel Sliding Gate</b> <small>(32 31 13 13-0546)</small>		
32 31 13 13-0558 EA 10' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	2,615.19	384.42
For 1" Mesh Fabric, Add	803.17	
For 1-1/4" Mesh Fabric, Add	516.98	
For 1-3/4" Mesh Fabric, Add	321.27	
For 2-1/8" Mesh Fabric, Deduct	-160.63	
For Gate With Barb Wire Arm, Add	203.10	
For Vinyl Coated, Add	553.91	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0559	EA	12'	Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	3,137.15	460.81
			<i>For 1" Mesh Fabric, Add</i>	963.80	
			<i>For 1-1/4" Mesh Fabric, Add</i>	620.38	
			<i>For 1-3/4" Mesh Fabric, Add</i>	385.52	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-192.76	
			<i>For Gate With Barb Wire Arm, Add</i>	243.72	
			<i>For Vinyl Coated, Add</i>	664.69	
32 31 13 13-0560	EA	14'	Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	3,659.83	537.52
			<i>For 1" Mesh Fabric, Add</i>	1,124.44	
			<i>For 1-1/4" Mesh Fabric, Add</i>	723.77	
			<i>For 1-3/4" Mesh Fabric, Add</i>	449.77	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-224.89	
			<i>For Gate With Barb Wire Arm, Add</i>	284.34	
			<i>For Vinyl Coated, Add</i>	775.47	
32 31 13 13-0561	EA	16'	Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	4,182.97	614.45
			<i>For 1" Mesh Fabric, Add</i>	1,285.07	
			<i>For 1-1/4" Mesh Fabric, Add</i>	827.17	
			<i>For 1-3/4" Mesh Fabric, Add</i>	514.03	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-257.01	
			<i>For Gate With Barb Wire Arm, Add</i>	324.96	
			<i>For Vinyl Coated, Add</i>	886.25	
32 31 13 13-0562	EA	18'	Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	4,705.58	691.05
			<i>For 1" Mesh Fabric, Add</i>	1,445.70	
			<i>For 1-1/4" Mesh Fabric, Add</i>	930.56	
			<i>For 1-3/4" Mesh Fabric, Add</i>	578.28	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-289.14	
			<i>For Gate With Barb Wire Arm, Add</i>	365.58	
			<i>For Vinyl Coated, Add</i>	997.03	
32 31 13 13-0563	EA	20'	Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	5,228.50	767.86
			<i>For 1" Mesh Fabric, Add</i>	1,606.33	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,033.96	
			<i>For 1-3/4" Mesh Fabric, Add</i>	642.53	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-321.27	
			<i>For Gate With Barb Wire Arm, Add</i>	406.20	
			<i>For Vinyl Coated, Add</i>	1,107.82	
32 31 13 13-0564	EA	24'	Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	6,243.76	922.48
			<i>For 1" Mesh Fabric, Add</i>	1,913.46	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,231.65	
			<i>For 1-3/4" Mesh Fabric, Add</i>	765.38	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-382.69	
			<i>For Gate With Barb Wire Arm, Add</i>	483.86	
			<i>For Vinyl Coated, Add</i>	1,319.63	
32 31 13 13-0565	EA	30'	Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	7,843.14	1,152.08
			<i>For 1" Mesh Fabric, Add</i>	2,409.50	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,550.94	
			<i>For 1-3/4" Mesh Fabric, Add</i>	963.80	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-481.90	
			<i>For Gate With Barb Wire Arm, Add</i>	609.30	
			<i>For Vinyl Coated, Add</i>	1,661.72	
32 31 13 13-0566	EA	40'	Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	10,456.97	1,535.74
			<i>For 1" Mesh Fabric, Add</i>	3,212.66	
			<i>For 1-1/4" Mesh Fabric, Add</i>	2,067.92	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,285.06	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-642.53	
			<i>For Gate With Barb Wire Arm, Add</i>	812.40	
			<i>For Vinyl Coated, Add</i>	2,215.63	
<b>32 31 13 13-0567</b>			<b>6' High Chain Link Galvanized Steel Sliding Gate</b> <small>(32 31 13 13-0546)</small>		
32 31 13 13-0568	EA	10'	Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	2,784.56	450.69
			<i>For 1" Mesh Fabric, Add</i>	819.22	
			<i>For 1-1/4" Mesh Fabric, Add</i>	527.31	
			<i>For 1-3/4" Mesh Fabric, Add</i>	327.69	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-163.84	
			<i>For Gate With Barb Wire Arm, Add</i>	207.16	
			<i>For Vinyl Coated, Add</i>	564.98	
32 31 13 13-0569	EA	12'	Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	3,338.30	539.15
			<i>For 1" Mesh Fabric, Add</i>	983.06	
			<i>For 1-1/4" Mesh Fabric, Add</i>	632.77	
			<i>For 1-3/4" Mesh Fabric, Add</i>	393.22	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-196.61	
			<i>For Gate With Barb Wire Arm, Add</i>	248.59	
			<i>For Vinyl Coated, Add</i>	677.97	
32 31 13 13-0570	EA	14'	Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	3,894.48	628.92
			<i>For 1" Mesh Fabric, Add</i>	1,146.91	
			<i>For 1-1/4" Mesh Fabric, Add</i>	738.24	
			<i>For 1-3/4" Mesh Fabric, Add</i>	458.76	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-229.38	
			<i>For Gate With Barb Wire Arm, Add</i>	290.02	
			<i>For Vinyl Coated, Add</i>	790.97	
32 31 13 13-0571	EA	16'	Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	4,451.07	718.91
			<i>For 1" Mesh Fabric, Add</i>	1,310.75	
			<i>For 1-1/4" Mesh Fabric, Add</i>	843.70	
			<i>For 1-3/4" Mesh Fabric, Add</i>	524.30	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-262.15	
			<i>For Gate With Barb Wire Arm, Add</i>	331.45	
			<i>For Vinyl Coated, Add</i>	903.97	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0572 EA 18' Long x 6' High Chain Link Galvanized Steel Sliding Gate.....	5,007.25	808.67
For 1" Mesh Fabric, Add	1,474.59	
For 1-1/4" Mesh Fabric, Add	949.16	
For 1-3/4" Mesh Fabric, Add	589.84	
For 2-1/8" Mesh Fabric, Deduct	-294.92	
For Gate With Barb Wire Arm, Add	372.89	
For Vinyl Coated, Add	1,016.96	
32 31 13 13-0573 EA 20' Long x 6' High Chain Link Galvanized Steel Sliding Gate.....	5,569.49	901.49
For 1" Mesh Fabric, Add	1,638.44	
For 1-1/4" Mesh Fabric, Add	1,054.63	
For 1-3/4" Mesh Fabric, Add	655.37	
For 2-1/8" Mesh Fabric, Deduct	-327.69	
For Gate With Barb Wire Arm, Add	414.32	
For Vinyl Coated, Add	1,129.96	
32 31 13 13-0574 EA 24' Long x 6' High Chain Link Galvanized Steel Sliding Gate.....	6,643.45	1,078.41
For 1" Mesh Fabric, Add	1,951.70	
For 1-1/4" Mesh Fabric, Add	1,256.27	
For 1-3/4" Mesh Fabric, Add	780.68	
For 2-1/8" Mesh Fabric, Deduct	-390.34	
For Gate With Barb Wire Arm, Add	493.53	
For Vinyl Coated, Add	1,346.00	
32 31 13 13-0575 EA 30' Long x 6' High Chain Link Galvanized Steel Sliding Gate.....	8,346.42	1,348.37
For 1" Mesh Fabric, Add	2,457.65	
For 1-1/4" Mesh Fabric, Add	1,581.94	
For 1-3/4" Mesh Fabric, Add	983.06	
For 2-1/8" Mesh Fabric, Deduct	-491.53	
For Gate With Barb Wire Arm, Add	621.48	
For Vinyl Coated, Add	1,694.93	
32 31 13 13-0576 EA 40' Long x 6' High Chain Link Galvanized Steel Sliding Gate.....	11,127.07	1,796.98
For 1" Mesh Fabric, Add	3,276.87	
For 1-1/4" Mesh Fabric, Add	2,109.25	
For 1-3/4" Mesh Fabric, Add	1,310.75	
For 2-1/8" Mesh Fabric, Deduct	-655.37	
For Gate With Barb Wire Arm, Add	828.63	
For Vinyl Coated, Add	2,259.91	
<b>32 31 13 13-0577 7' High Chain Link Galvanized Steel Sliding Gate (22 31 13 13-0546)</b>		
32 31 13 13-0578 EA 10' Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	2,962.47	502.70
For 1" Mesh Fabric, Add	851.33	
For 1-1/4" Mesh Fabric, Add	547.98	
For 1-3/4" Mesh Fabric, Add	340.53	
For 2-1/8" Mesh Fabric, Deduct	-170.27	
For Gate With Barb Wire Arm, Add	215.28	
For Vinyl Coated, Add	587.12	
32 31 13 13-0579 EA 12' Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	3,554.18	602.81
For 1" Mesh Fabric, Add	1,021.61	
For 1-1/4" Mesh Fabric, Add	657.59	
For 1-3/4" Mesh Fabric, Add	408.65	
For 2-1/8" Mesh Fabric, Deduct	-204.32	
For Gate With Barb Wire Arm, Add	258.34	
For Vinyl Coated, Add	704.56	
32 31 13 13-0580 EA 14' Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	4,147.50	703.78
For 1" Mesh Fabric, Add	1,191.85	
For 1-1/4" Mesh Fabric, Add	767.17	
For 1-3/4" Mesh Fabric, Add	476.74	
For 2-1/8" Mesh Fabric, Deduct	-238.37	
For Gate With Barb Wire Arm, Add	301.39	
For Vinyl Coated, Add	821.96	
32 31 13 13-0581 EA 16' Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	4,739.12	803.88
For 1" Mesh Fabric, Add	1,362.12	
For 1-1/4" Mesh Fabric, Add	876.76	
For 1-3/4" Mesh Fabric, Add	544.85	
For 2-1/8" Mesh Fabric, Deduct	-272.42	
For Gate With Barb Wire Arm, Add	344.44	
For Vinyl Coated, Add	939.39	
32 31 13 13-0582 EA 18' Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	5,331.68	904.53
For 1" Mesh Fabric, Add	1,532.38	
For 1-1/4" Mesh Fabric, Add	986.36	
For 1-3/4" Mesh Fabric, Add	612.95	
For 2-1/8" Mesh Fabric, Deduct	-306.48	
For Gate With Barb Wire Arm, Add	387.50	
For Vinyl Coated, Add	1,056.81	
32 31 13 13-0583 EA 20' Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	5,923.54	1,004.74
For 1" Mesh Fabric, Add	1,702.65	
For 1-1/4" Mesh Fabric, Add	1,095.96	
For 1-3/4" Mesh Fabric, Add	681.06	
For 2-1/8" Mesh Fabric, Deduct	-340.53	
For Gate With Barb Wire Arm, Add	430.55	
For Vinyl Coated, Add	1,174.24	
32 31 13 13-0584 EA 24' Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	7,073.79	1,205.61
For 1" Mesh Fabric, Add	2,028.19	
For 1-1/4" Mesh Fabric, Add	1,305.50	
For 1-3/4" Mesh Fabric, Add	811.28	
For 2-1/8" Mesh Fabric, Deduct	-405.64	
For Gate With Barb Wire Arm, Add	512.88	
For Vinyl Coated, Add	1,398.75	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0585 EA 30' Long x 7' High Chain Link Galvanized Steel Sliding Gate .....	8,885.29	1,507.01
For 1" Mesh Fabric, Add	2,553.96	
For 1-1/4" Mesh Fabric, Add	1,643.93	
For 1-3/4" Mesh Fabric, Add	1,021.59	
For 2-1/8" Mesh Fabric, Deduct	-510.79	
For Gate With Barb Wire Arm, Add	645.83	
For Vinyl Coated, Add	1,761.35	
32 31 13 13-0586 EA 40' Long x 7' High Chain Link Galvanized Steel Sliding Gate .....	11,847.07	2,009.38
For 1" Mesh Fabric, Add	3,405.29	
For 1-1/4" Mesh Fabric, Add	2,191.91	
For 1-3/4" Mesh Fabric, Add	1,362.12	
For 2-1/8" Mesh Fabric, Deduct	-681.06	
For Gate With Barb Wire Arm, Add	861.11	
For Vinyl Coated, Add	2,348.48	
<b>32 31 13 13-0587 8' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)</b>		
32 31 13 13-0588 EA 10' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	3,104.24	544.59
For 1" Mesh Fabric, Add	876.55	
For 1-1/4" Mesh Fabric, Add	564.22	
For 1-3/4" Mesh Fabric, Add	350.62	
For 2-1/8" Mesh Fabric, Deduct	-175.31	
For Gate With Barb Wire Arm, Add	221.66	
For Vinyl Coated, Add	604.52	
32 31 13 13-0589 EA 12' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	3,721.96	651.98
For 1" Mesh Fabric, Add	1,051.86	
For 1-1/4" Mesh Fabric, Add	677.06	
For 1-3/4" Mesh Fabric, Add	420.74	
For 2-1/8" Mesh Fabric, Deduct	-210.37	
For Gate With Barb Wire Arm, Add	265.99	
For Vinyl Coated, Add	725.42	
32 31 13 13-0590 EA 14' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	4,342.33	760.68
For 1" Mesh Fabric, Add	1,227.16	
For 1-1/4" Mesh Fabric, Add	789.90	
For 1-3/4" Mesh Fabric, Add	490.86	
For 2-1/8" Mesh Fabric, Deduct	-245.43	
For Gate With Barb Wire Arm, Add	310.32	
For Vinyl Coated, Add	846.32	
32 31 13 13-0591 EA 16' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	4,962.94	869.38
For 1" Mesh Fabric, Add	1,402.47	
For 1-1/4" Mesh Fabric, Add	902.74	
For 1-3/4" Mesh Fabric, Add	560.99	
For 2-1/8" Mesh Fabric, Deduct	-280.49	
For Gate With Barb Wire Arm, Add	354.65	
For Vinyl Coated, Add	967.22	
32 31 13 13-0592 EA 18' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	5,582.33	977.65
For 1" Mesh Fabric, Add	1,577.78	
For 1-1/4" Mesh Fabric, Add	1,015.58	
For 1-3/4" Mesh Fabric, Add	631.11	
For 2-1/8" Mesh Fabric, Deduct	-315.56	
For Gate With Barb Wire Arm, Add	398.98	
For Vinyl Coated, Add	1,088.12	
32 31 13 13-0593 EA 20' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	6,203.03	1,086.46
For 1" Mesh Fabric, Add	1,753.09	
For 1-1/4" Mesh Fabric, Add	1,128.43	
For 1-3/4" Mesh Fabric, Add	701.24	
For 2-1/8" Mesh Fabric, Deduct	-350.62	
For Gate With Barb Wire Arm, Add	443.31	
For Vinyl Coated, Add	1,209.03	
32 31 13 13-0594 EA 24' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	7,408.41	1,303.86
For 1" Mesh Fabric, Add	2,088.28	
For 1-1/4" Mesh Fabric, Add	1,344.18	
For 1-3/4" Mesh Fabric, Add	835.31	
For 2-1/8" Mesh Fabric, Deduct	-417.66	
For Gate With Barb Wire Arm, Add	528.07	
For Vinyl Coated, Add	1,440.19	
32 31 13 13-0595 EA 30' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	9,305.36	1,630.08
For 1" Mesh Fabric, Add	2,629.64	
For 1-1/4" Mesh Fabric, Add	1,692.64	
For 1-3/4" Mesh Fabric, Add	1,051.86	
For 2-1/8" Mesh Fabric, Deduct	-525.93	
For Gate With Barb Wire Arm, Add	664.97	
For Vinyl Coated, Add	1,813.55	
32 31 13 13-0596 EA 40' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	12,403.88	2,171.83
For 1" Mesh Fabric, Add	3,506.18	
For 1-1/4" Mesh Fabric, Add	2,256.85	
For 1-3/4" Mesh Fabric, Add	1,402.47	
For 2-1/8" Mesh Fabric, Deduct	-701.24	
For Gate With Barb Wire Arm, Add	886.62	
For Vinyl Coated, Add	2,418.06	

32 31 13 13-0597 9' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)





		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0598	EA		10' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	3,271.77	594.10
			For 1" Mesh Fabric, Add	906.35	
			For 1-1/4" Mesh Fabric, Add	583.40	
			For 1-3/4" Mesh Fabric, Add	362.54	
			For 2-1/8" Mesh Fabric, Deduct	-181.27	
			For Gate With Barb Wire Arm, Add	229.19	
			For Vinyl Coated, Add	625.07	
32 31 13 13-0599	EA		12' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	3,921.70	710.74
			For 1" Mesh Fabric, Add	1,087.63	
			For 1-1/4" Mesh Fabric, Add	700.08	
			For 1-3/4" Mesh Fabric, Add	435.05	
			For 2-1/8" Mesh Fabric, Deduct	-217.53	
			For Gate With Barb Wire Arm, Add	275.03	
			For Vinyl Coated, Add	750.09	
32 31 13 13-0600	EA		14' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	4,575.07	829.02
			For 1" Mesh Fabric, Add	1,268.90	
			For 1-1/4" Mesh Fabric, Add	816.77	
			For 1-3/4" Mesh Fabric, Add	507.56	
			For 2-1/8" Mesh Fabric, Deduct	-253.78	
			For Gate With Barb Wire Arm, Add	320.87	
			For Vinyl Coated, Add	875.11	
32 31 13 13-0601	EA		16' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	5,229.36	947.83
			For 1" Mesh Fabric, Add	1,450.17	
			For 1-1/4" Mesh Fabric, Add	933.44	
			For 1-3/4" Mesh Fabric, Add	580.07	
			For 2-1/8" Mesh Fabric, Deduct	-290.03	
			For Gate With Barb Wire Arm, Add	366.71	
			For Vinyl Coated, Add	1,000.12	
32 31 13 13-0602	EA		18' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	5,882.91	1,066.23
			For 1" Mesh Fabric, Add	1,631.44	
			For 1-1/4" Mesh Fabric, Add	1,050.12	
			For 1-3/4" Mesh Fabric, Add	652.58	
			For 2-1/8" Mesh Fabric, Deduct	-326.29	
			For Gate With Barb Wire Arm, Add	412.55	
			For Vinyl Coated, Add	1,125.13	
32 31 13 13-0603	EA		20' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	6,536.44	1,184.61
			For 1" Mesh Fabric, Add	1,812.71	
			For 1-1/4" Mesh Fabric, Add	1,166.80	
			For 1-3/4" Mesh Fabric, Add	725.09	
			For 2-1/8" Mesh Fabric, Deduct	-362.54	
			For Gate With Barb Wire Arm, Add	458.39	
			For Vinyl Coated, Add	1,250.15	
32 31 13 13-0604	EA		24' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	7,806.74	1,421.37
			For 1" Mesh Fabric, Add	2,159.30	
			For 1-1/4" Mesh Fabric, Add	1,389.89	
			For 1-3/4" Mesh Fabric, Add	863.72	
			For 2-1/8" Mesh Fabric, Deduct	-431.86	
			For Gate With Barb Wire Arm, Add	546.03	
			For Vinyl Coated, Add	1,489.17	
32 31 13 13-0605	EA		30' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	9,803.69	1,776.53
			For 1" Mesh Fabric, Add	2,719.07	
			For 1-1/4" Mesh Fabric, Add	1,750.20	
			For 1-3/4" Mesh Fabric, Add	1,087.63	
			For 2-1/8" Mesh Fabric, Deduct	-543.81	
			For Gate With Barb Wire Arm, Add	687.58	
			For Vinyl Coated, Add	1,875.22	
32 31 13 13-0606	EA		40' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	13,075.47	2,370.63
			For 1" Mesh Fabric, Add	3,625.43	
			For 1-1/4" Mesh Fabric, Add	2,333.61	
			For 1-3/4" Mesh Fabric, Add	1,450.17	
			For 2-1/8" Mesh Fabric, Deduct	-725.09	
			For Gate With Barb Wire Arm, Add	916.78	
			For Vinyl Coated, Add	2,500.30	
<b>32 31 13 13-0607</b>			<b>10' High Chain Link Galvanized Steel Sliding Gate</b> (32 31 13 13-0546)		
32 31 13 13-0608	EA		10' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	3,480.21	653.51
			For 1" Mesh Fabric, Add	945.34	
			For 1-1/4" Mesh Fabric, Add	608.49	
			For 1-3/4" Mesh Fabric, Add	378.14	
			For 2-1/8" Mesh Fabric, Deduct	-189.07	
			For Gate With Barb Wire Arm, Add	239.05	
			For Vinyl Coated, Add	651.96	
32 31 13 13-0609	EA		12' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	4,176.26	784.19
			For 1" Mesh Fabric, Add	1,134.41	
			For 1-1/4" Mesh Fabric, Add	730.20	
			For 1-3/4" Mesh Fabric, Add	453.76	
			For 2-1/8" Mesh Fabric, Deduct	-226.88	
			For Gate With Barb Wire Arm, Add	286.86	
			For Vinyl Coated, Add	782.35	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0610	EA	14'	Long x 10' High Chain Link Galvanized Steel Sliding Gate	4,872.75	915.08
			<i>For 1" Mesh Fabric, Add</i>	1,323.48	
			<i>For 1-1/4" Mesh Fabric, Add</i>	851.89	
			<i>For 1-3/4" Mesh Fabric, Add</i>	529.39	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-264.70	
			<i>For Gate With Barb Wire Arm, Add</i>	334.67	
			<i>For Vinyl Coated, Add</i>	912.74	
32 31 13 13-0611	EA	16'	Long x 10' High Chain Link Galvanized Steel Sliding Gate	5,568.61	1,045.76
			<i>For 1" Mesh Fabric, Add</i>	1,512.55	
			<i>For 1-1/4" Mesh Fabric, Add</i>	973.59	
			<i>For 1-3/4" Mesh Fabric, Add</i>	605.02	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-302.51	
			<i>For Gate With Barb Wire Arm, Add</i>	382.48	
			<i>For Vinyl Coated, Add</i>	1,043.14	
32 31 13 13-0612	EA	18'	Long x 10' High Chain Link Galvanized Steel Sliding Gate	6,264.37	1,176.34
			<i>For 1" Mesh Fabric, Add</i>	1,701.61	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,095.29	
			<i>For 1-3/4" Mesh Fabric, Add</i>	680.64	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-340.32	
			<i>For Gate With Barb Wire Arm, Add</i>	430.29	
			<i>For Vinyl Coated, Add</i>	1,173.52	
32 31 13 13-0613	EA	20'	Long x 10' High Chain Link Galvanized Steel Sliding Gate	6,960.43	1,307.02
			<i>For 1" Mesh Fabric, Add</i>	1,890.68	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,216.99	
			<i>For 1-3/4" Mesh Fabric, Add</i>	756.27	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-378.14	
			<i>For Gate With Barb Wire Arm, Add</i>	478.10	
			<i>For Vinyl Coated, Add</i>	1,303.92	
32 31 13 13-0614	EA	24'	Long x 10' High Chain Link Galvanized Steel Sliding Gate	8,315.39	1,569.03
			<i>For 1" Mesh Fabric, Add</i>	2,252.17	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,449.67	
			<i>For 1-3/4" Mesh Fabric, Add</i>	900.87	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-450.43	
			<i>For Gate With Barb Wire Arm, Add</i>	569.52	
			<i>For Vinyl Coated, Add</i>	1,553.22	
32 31 13 13-0615	EA	30'	Long x 10' High Chain Link Galvanized Steel Sliding Gate	10,440.64	1,960.53
			<i>For 1" Mesh Fabric, Add</i>	2,836.02	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,825.48	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,134.41	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-567.20	
			<i>For Gate With Barb Wire Arm, Add</i>	717.15	
			<i>For Vinyl Coated, Add</i>	1,955.87	
32 31 13 13-0616	EA	40'	Long x 10' High Chain Link Galvanized Steel Sliding Gate	13,917.73	2,612.52
			<i>For 1" Mesh Fabric, Add</i>	3,781.36	
			<i>For 1-1/4" Mesh Fabric, Add</i>	2,433.98	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,512.55	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-756.27	
			<i>For Gate With Barb Wire Arm, Add</i>	956.21	
			<i>For Vinyl Coated, Add</i>	2,607.84	
32 31 13 13-0617			<b>Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller</b> <small>(32 31 13 13-0263)</small>		
			Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0020 for gate operators.		
32 31 13 13-0618	EA	5'	High x 10' Wide Galvanized Cantilever Sliding Gate	5,101.69	435.24
			<i>For 1" Mesh Fabric, Add</i>	1,840.58	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,184.74	
			<i>For 1-3/4" Mesh Fabric, Add</i>	736.23	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-368.12	
			<i>For Gate With Single Barb Wire Arm, Add</i>	465.43	
			<i>For Gate With Double Barb Wire Arm, Add</i>	677.00	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,030.99	
			<i>For Powder Coated Gate And Post, Add</i>	888.56	
			<i>For Vinyl Coated, Add</i>	1,269.37	
32 31 13 13-0619	EA	5'	High x 12' Wide Galvanized Cantilever Sliding Gate	5,607.34	544.05
			<i>For 1" Mesh Fabric, Add</i>	1,965.87	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,265.39	
			<i>For 1-3/4" Mesh Fabric, Add</i>	786.35	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-393.17	
			<i>For Gate With Single Barb Wire Arm, Add</i>	497.12	
			<i>For Gate With Double Barb Wire Arm, Add</i>	723.08	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,169.24	
			<i>For Powder Coated Gate And Post, Add</i>	949.04	
			<i>For Vinyl Coated, Add</i>	1,355.78	



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0620 EA 5' High x 15' Wide Galvanized Cantilever Sliding Gate.....	6,116.95	652.85
For 1" Mesh Fabric, Add	2,092.89	
For 1-1/4" Mesh Fabric, Add	1,347.15	
For 1-3/4" Mesh Fabric, Add	837.16	
For 2-1/8" Mesh Fabric, Deduct	-418.58	
For Gate With Single Barb Wire Arm, Add	529.24	
For Gate With Double Barb Wire Arm, Add	769.80	
For Aluminized Steel Gate And Post, Add	2,309.40	
For Powder Coated Gate And Post, Add	1,010.36	
For Vinyl Coated, Add	1,443.37	
32 31 13 13-0621 EA 5' High x 20' Wide Galvanized Cantilever Sliding Gate.....	7,193.69	870.47
For 1" Mesh Fabric, Add	2,371.94	
For 1-1/4" Mesh Fabric, Add	1,526.77	
For 1-3/4" Mesh Fabric, Add	948.78	
For 2-1/8" Mesh Fabric, Deduct	-474.39	
For Gate With Single Barb Wire Arm, Add	599.80	
For Gate With Double Barb Wire Arm, Add	872.44	
For Aluminized Steel Gate And Post, Add	2,617.32	
For Powder Coated Gate And Post, Add	1,145.08	
For Vinyl Coated, Add	1,635.82	
32 31 13 13-0622 EA 6' High x 15' Wide Galvanized Cantilever Sliding Gate.....	6,695.96	870.47
For 1" Mesh Fabric, Add	2,155.43	
For 1-1/4" Mesh Fabric, Add	1,387.40	
For 1-3/4" Mesh Fabric, Add	862.17	
For 2-1/8" Mesh Fabric, Deduct	-431.09	
For Gate With Single Barb Wire Arm, Add	545.05	
For Gate With Double Barb Wire Arm, Add	792.80	
For Aluminized Steel Gate And Post, Add	2,378.40	
For Powder Coated Gate And Post, Add	1,040.55	
For Vinyl Coated, Add	1,486.50	
32 31 13 13-0623 EA 6' High x 20' Wide Galvanized Cantilever Sliding Gate.....	7,865.33	1,142.50
For 1" Mesh Fabric, Add	2,427.44	
For 1-1/4" Mesh Fabric, Add	1,562.49	
For 1-3/4" Mesh Fabric, Add	970.98	
For 2-1/8" Mesh Fabric, Deduct	-485.49	
For Gate With Single Barb Wire Arm, Add	613.84	
For Gate With Double Barb Wire Arm, Add	892.85	
For Aluminized Steel Gate And Post, Add	2,678.56	
For Powder Coated Gate And Post, Add	1,171.87	
For Vinyl Coated, Add	1,674.10	
32 31 13 13-0624 EA 6' High x 25' Wide Galvanized Cantilever Sliding Gate.....	10,413.51	1,414.52
For 1" Mesh Fabric, Add	3,299.24	
For 1-1/4" Mesh Fabric, Add	2,123.65	
For 1-3/4" Mesh Fabric, Add	1,319.70	
For 2-1/8" Mesh Fabric, Deduct	-659.85	
For Gate With Single Barb Wire Arm, Add	834.29	
For Gate With Double Barb Wire Arm, Add	1,213.51	
For Aluminized Steel Gate And Post, Add	3,640.54	
For Powder Coated Gate And Post, Add	1,592.74	
For Vinyl Coated, Add	2,275.34	
32 31 13 13-0625 EA 6' High x 30' Wide Galvanized Cantilever Sliding Gate.....	11,743.49	1,686.55
For 1" Mesh Fabric, Add	3,641.12	
For 1-1/4" Mesh Fabric, Add	2,343.71	
For 1-3/4" Mesh Fabric, Add	1,456.45	
For 2-1/8" Mesh Fabric, Deduct	-728.22	
For Gate With Single Barb Wire Arm, Add	920.74	
For Gate With Double Barb Wire Arm, Add	1,339.26	
For Aluminized Steel Gate And Post, Add	4,017.79	
For Powder Coated Gate And Post, Add	1,757.78	
For Vinyl Coated, Add	2,511.12	
32 31 13 13-0626 EA 8' High x 15' Wide Galvanized Cantilever Sliding Gate.....	7,845.25	1,088.09
For 1" Mesh Fabric, Add	2,466.04	
For 1-1/4" Mesh Fabric, Add	1,587.34	
For 1-3/4" Mesh Fabric, Add	986.42	
For 2-1/8" Mesh Fabric, Deduct	-493.21	
For Gate With Single Barb Wire Arm, Add	623.60	
For Gate With Double Barb Wire Arm, Add	907.05	
For Aluminized Steel Gate And Post, Add	2,721.15	
For Powder Coated Gate And Post, Add	1,190.50	
For Vinyl Coated, Add	1,700.72	
32 31 13 13-0627 EA 8' High x 20' Wide Galvanized Cantilever Sliding Gate.....	9,321.28	1,468.93
For 1" Mesh Fabric, Add	2,776.79	
For 1-1/4" Mesh Fabric, Add	1,787.36	
For 1-3/4" Mesh Fabric, Add	1,110.72	
For 2-1/8" Mesh Fabric, Deduct	-555.36	
For Gate With Single Barb Wire Arm, Add	702.18	
For Gate With Double Barb Wire Arm, Add	1,021.35	
For Aluminized Steel Gate And Post, Add	3,064.05	
For Powder Coated Gate And Post, Add	1,340.52	
For Vinyl Coated, Add	1,915.03	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0628	EA		8' High x 25' Wide Galvanized Cantilever Sliding Gate.....	12,375.47	1,849.76
			<i>For 1" Mesh Fabric, Add</i>	3,774.04	
			<i>For 1-1/4" Mesh Fabric, Add</i>	2,429.27	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,509.62	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-754.81	
			<i>For Gate With Single Barb Wire Arm, Add</i>	954.35	
			<i>For Gate With Double Barb Wire Arm, Add</i>	1,388.15	
			<i>For Aluminized Steel Gate And Post, Add</i>	4,164.46	
			<i>For Powder Coated Gate And Post, Add</i>	1,821.95	
			<i>For Vinyl Coated, Add</i>	2,602.79	
32 31 13 13-0629	EA		8' High x 30' Wide Galvanized Cantilever Sliding Gate.....	13,926.28	2,176.19
			<i>For 1" Mesh Fabric, Add</i>	4,164.65	
			<i>For 1-1/4" Mesh Fabric, Add</i>	2,680.69	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,665.86	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-832.93	
			<i>For Gate With Single Barb Wire Arm, Add</i>	1,053.13	
			<i>For Gate With Double Barb Wire Arm, Add</i>	1,531.82	
			<i>For Aluminized Steel Gate And Post, Add</i>	4,595.47	
			<i>For Powder Coated Gate And Post, Add</i>	2,010.52	
			<i>For Vinyl Coated, Add</i>	2,872.17	
<b>32 31 13 13-0630</b>			<b>Gate Accessories</b> (32 31 13 13-0630)		
32 31 13 13-0631	EA		Gate Center Stop, Cast Steel, Ground.....	45.66	
32 31 13 13-0632	EA		Gate Latch, Malleable Galvanized Steel.....	47.21	
32 31 13 13-0633	EA		Gate Keeper, Full Length, Galvanized Steel.....	218.48	
32 31 13 13-0634	EA		Gate Keeper Hold-Open For Cantilever Gate.....	104.82	17.39
32 31 13 13-0635	EA		Heavy Duty Gate Latch, Malleable Galvanized Steel.....	58.54	
32 31 13 13-0636	EA		Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate.....	821.54	
32 31 13 13-0637	EA		Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate.....	881.18	
32 31 13 13-0638	EA		Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate.....	940.84	
32 31 13 13-0639	LF		Aluminum V-Groove Gate Track.....	56.29	9.67
32 31 13 13-0640	LF		Galvanized Steel V-Groove Gate Track.....	42.58	9.67
<b>32 31 13 13-0641</b>			<b>Vertical-Pivot Lift Gate</b> (32 31 13 13-0641)		
			Note: Includes 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes operator. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate.		
32 31 13 13-0642	EA		5' High x 12' Wide Galvanized Vertical-Pivot Lift Gate.....	19,569.51	816.07
			<i>For Curb Notch, Add</i>	239.00	
			<i>For Prewired Loop Kit, Add</i>	245.00	
32 31 13 13-0643	EA		5' High x 14' Wide Galvanized Vertical-Pivot Lift Gate.....	19,895.94	979.29
			<i>For Curb Notch, Add</i>	239.00	
			<i>For Prewired Loop Kit, Add</i>	245.00	
32 31 13 13-0644	EA		5' High x 16' Wide Galvanized Vertical-Pivot Lift Gate.....	20,222.37	1,142.50
			<i>For Curb Notch, Add</i>	239.00	
			<i>For Prewired Loop Kit, Add</i>	245.00	
			<i>For Wind Bracing, Add</i>	287.50	
32 31 13 13-0645	EA		5' High x 18' Wide Galvanized Vertical-Pivot Lift Gate.....	20,773.72	1,305.71
			<i>For Curb Notch, Add</i>	239.00	
			<i>For Prewired Loop Kit, Add</i>	245.00	
			<i>For Wind Bracing, Add</i>	317.50	
32 31 13 13-0646	EA		5' High x 20' Wide Galvanized Vertical-Pivot Lift Gate.....	21,313.81	1,468.93
			<i>For Curb Notch, Add</i>	239.00	
			<i>For Prewired Loop Kit, Add</i>	245.00	
			<i>For Wind Bracing, Add</i>	317.50	
32 31 13 13-0647	EA		6' High x 12' Wide Galvanized Vertical-Pivot Lift Gate.....	20,497.75	1,060.89
			<i>For Curb Notch, Add</i>	239.00	
			<i>For Prewired Loop Kit, Add</i>	245.00	
32 31 13 13-0648	EA		6' High x 14' Wide Galvanized Vertical-Pivot Lift Gate.....	20,824.17	1,224.10
			<i>For Curb Notch, Add</i>	239.00	
			<i>For Prewired Loop Kit, Add</i>	245.00	
32 31 13 13-0649	EA		6' High x 16' Wide Galvanized Vertical-Pivot Lift Gate.....	21,150.60	1,387.32
			<i>For Curb Notch, Add</i>	239.00	
			<i>For Prewired Loop Kit, Add</i>	245.00	
			<i>For Wind Bracing, Add</i>	287.50	
32 31 13 13-0650	EA		6' High x 18' Wide Galvanized Vertical-Pivot Lift Gate.....	21,600.74	1,550.54
			<i>For Curb Notch, Add</i>	239.00	
			<i>For Prewired Loop Kit, Add</i>	245.00	
			<i>For Wind Bracing, Add</i>	317.50	
32 31 13 13-0651	EA		6' High x 20' Wide Galvanized Vertical-Pivot Lift Gate.....	22,242.06	1,713.75
			<i>For Curb Notch, Add</i>	239.00	
			<i>For Prewired Loop Kit, Add</i>	245.00	
			<i>For Wind Bracing, Add</i>	317.50	
<b>32 31 13 13-0652</b>			<b>Accessories</b> (32 31 13 13)		
<b>32 31 13 13-0653</b>			<b>Barbed And Concertina Wire</b> (32 31 13 13-0652)		
<b>32 31 13 13-0654</b>			<b>Single Strand Barbed Wire</b> (32 31 13 13-0653)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0655 LF Galvanized Barbed Wire, Per Strand.....	1.00	0.46
Note: Includes clips. 4 points 12-1/2 Gauge, Class I.		
For >500 To 2,000, Deduct	-0.10	
For >2,000, Deduct	-0.14	
32 31 13 13-0656 LF Vinyl Coated Barbed Wire (Fused), Per Strand .....	1.15	0.46
Note: Includes clips.		
For >500 To 2,000, Deduct	-0.10	
For >2,000, Deduct	-0.15	
32 31 13 13-0657 EA Barbed Wire Extension Arms 3 Strands (Single Arm).....	11.32	7.32
32 31 13 13-0658 EA Barbed Wire Extension Arms 6 Strands (Double Arm) .....	18.65	8.79
32 31 13 13-0659 EA Barbed Wire Eye Tops (For Single Strand).....	11.46	7.32
<b>32 31 13 13-0660 Galvanized Steel Concertina (Razor) Wire, Single Coil</b> <small>(32 31 13 13-0653)</small>		
32 31 13 13-0661 LF 18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.84	0.64
For >500 To 1,500, Deduct	-0.33	
For >1,500 To 5,000, Deduct	-0.67	
For >5,000, Deduct	-0.95	
For Ground Installation, Deduct	-0.46	
For Double Coil (Helix), Add	2.93	
32 31 13 13-0662 LF 18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.80	0.64
For >500 To 1,500, Deduct	-0.50	
For >1,500 To 5,000, Deduct	-1.01	
For >5,000, Deduct	-1.44	
For Ground Installation, Deduct	-0.69	
For Double Coil (Helix), Add	4.43	
32 31 13 13-0663 LF 18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	7.68	0.64
For >500 To 1,500, Deduct	-0.67	
For >1,500 To 5,000, Deduct	-1.34	
For >5,000, Deduct	-1.90	
For Ground Installation, Deduct	-0.92	
For Double Coil (Helix), Add	5.85	
32 31 13 13-0664 LF 24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	6.31	0.64
For >500 To 1,500, Deduct	-0.52	
For >1,500 To 5,000, Deduct	-1.05	
For >5,000, Deduct	-1.47	
For Ground Installation, Deduct	-0.51	
For Double Coil (Helix), Add	5.30	
32 31 13 13-0665 LF 24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	9.54	0.64
For >500 To 1,500, Deduct	-0.79	
For >1,500 To 5,000, Deduct	-1.58	
For >5,000, Deduct	-2.21	
For Ground Installation, Deduct	-0.76	
For Double Coil (Helix), Add	8.02	
32 31 13 13-0666 LF 24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	12.61	0.64
For >500 To 1,500, Deduct	-1.05	
For >1,500 To 5,000, Deduct	-2.09	
For >5,000, Deduct	-2.93	
For Ground Installation, Deduct	-1.01	
For Double Coil (Helix), Add	10.59	
32 31 13 13-0667 LF 30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	19.10	0.64
For >500 To 1,500, Deduct	-1.49	
For >1,500 To 5,000, Deduct	-2.98	
For >5,000, Deduct	-4.05	
For Ground Installation, Deduct	-0.57	
For Double Coil (Helix), Add	17.96	
32 31 13 13-0668 LF 30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	28.90	0.64
For >500 To 1,500, Deduct	-2.25	
For >1,500 To 5,000, Deduct	-4.51	
For >5,000, Deduct	-6.12	
For Ground Installation, Deduct	-0.86	
For Double Coil (Helix), Add	27.19	
32 31 13 13-0669 LF 30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	38.19	0.64
For >500 To 1,500, Deduct	-2.98	
For >1,500 To 5,000, Deduct	-5.96	
For >5,000, Deduct	-8.10	
For Ground Installation, Deduct	-1.14	
For Double Coil (Helix), Add	35.91	

32 31 13 13-0670 Stainless Steel Concertina (Razor) Wire, Single Coil (32 31 13 13-0653)

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0671	LF	18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence .....	6.73	0.64
			<i>For &gt;500 To 1,500, Deduct</i> .....	-0.55	
			<i>For &gt;1,500 To 5,000, Deduct</i> .....	-1.10	
			<i>For &gt;5,000, Deduct</i> .....	-1.53	
			<i>For Ground Installation, Deduct</i> .....	-0.46	
			<i>For Double Coil (Helix), Add</i> .....	5.82	
32 31 13	13-0672	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence .....	10.17	0.64
			<i>For &gt;500 To 1,500, Deduct</i> .....	-0.83	
			<i>For &gt;1,500 To 5,000, Deduct</i> .....	-1.66	
			<i>For &gt;5,000, Deduct</i> .....	-2.31	
			<i>For Ground Installation, Deduct</i> .....	-0.69	
			<i>For Double Coil (Helix), Add</i> .....	8.80	
32 31 13	13-0673	LF	18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence .....	13.45	0.64
			<i>For &gt;500 To 1,500, Deduct</i> .....	-1.10	
			<i>For &gt;1,500 To 5,000, Deduct</i> .....	-2.20	
			<i>For &gt;5,000, Deduct</i> .....	-3.06	
			<i>For Ground Installation, Deduct</i> .....	-0.92	
			<i>For Double Coil (Helix), Add</i> .....	11.62	
32 31 13	13-0674	LF	24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence .....	8.76	0.64
			<i>For &gt;500 To 1,500, Deduct</i> .....	-0.71	
			<i>For &gt;1,500 To 5,000, Deduct</i> .....	-1.42	
			<i>For &gt;5,000, Deduct</i> .....	-1.96	
			<i>For Ground Installation, Deduct</i> .....	-0.51	
			<i>For Double Coil (Helix), Add</i> .....	7.75	
32 31 13	13-0675	LF	24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence .....	13.25	0.64
			<i>For &gt;500 To 1,500, Deduct</i> .....	-1.07	
			<i>For &gt;1,500 To 5,000, Deduct</i> .....	-2.14	
			<i>For &gt;5,000, Deduct</i> .....	-2.96	
			<i>For Ground Installation, Deduct</i> .....	-0.76	
			<i>For Double Coil (Helix), Add</i> .....	11.73	
32 31 13	13-0676	LF	24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence .....	17.51	0.64
			<i>For &gt;500 To 1,500, Deduct</i> .....	-1.41	
			<i>For &gt;1,500 To 5,000, Deduct</i> .....	-2.83	
			<i>For &gt;5,000, Deduct</i> .....	-3.91	
			<i>For Ground Installation, Deduct</i> .....	-1.01	
			<i>For Double Coil (Helix), Add</i> .....	15.49	
32 31 13	13-0677	LF	30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence .....	28.37	0.64
			<i>For &gt;500 To 1,500, Deduct</i> .....	-2.19	
			<i>For &gt;1,500 To 5,000, Deduct</i> .....	-4.37	
			<i>For &gt;5,000, Deduct</i> .....	-5.90	
			<i>For Ground Installation, Deduct</i> .....	-0.57	
			<i>For Double Coil (Helix), Add</i> .....	27.23	
32 31 13	13-0678	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence .....	42.94	0.64
			<i>For &gt;500 To 1,500, Deduct</i> .....	-3.31	
			<i>For &gt;1,500 To 5,000, Deduct</i> .....	-6.61	
			<i>For &gt;5,000, Deduct</i> .....	-8.93	
			<i>For Ground Installation, Deduct</i> .....	-0.86	
			<i>For Double Coil (Helix), Add</i> .....	41.23	
32 31 13	13-0679	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence .....	56.73	0.64
			<i>For &gt;500 To 1,500, Deduct</i> .....	-4.37	
			<i>For &gt;1,500 To 5,000, Deduct</i> .....	-8.74	
			<i>For &gt;5,000, Deduct</i> .....	-11.80	
			<i>For Ground Installation, Deduct</i> .....	-1.14	
			<i>For Double Coil (Helix), Add</i> .....	54.45	
32 31 13	13-0680		<b>Grounding For Gates</b> <small>(32 31 13 13-0652)</small> Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13	13-0681	OPN	Grounding For Gates (Per Opening).....	423.08	
32 31 13	13-0682		<b>Coiled Spring Reinforcing Wire</b> <small>(32 31 13 13-0652)</small>		
32 31 13	13-0683		<b>Galvanized Steel</b> <small>(32 31 13 13-0682)</small>		
32 31 13	13-0684	LF	7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring .....	1.12	0.46
32 31 13	13-0685		<b>Vinyl Coated Steel</b> <small>(32 31 13 13-0682)</small>		
32 31 13	13-0686	LF	9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring.....	1.12	0.46
32 31 13	13-0687		<b>Bending Of Fabric Around Pipe Railings</b> <small>(32 31 13 13-0652)</small> Note: Only where specified.		
32 31 13	13-0688	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Top.....	1.42	
32 31 13	13-0689	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Bottom.....	1.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 31 13 13-0690</b>	<b>Mounting Plate With Anchors Or Bolts</b> <small>(32 31 13 13-0692)</small>	
Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 13-0691 EA	Mounting Plate For 1-5/8" Diameter Post .....	43.38
32 31 13 13-0692 EA	Mounting Plate For 2" Diameter Post.....	44.13
32 31 13 13-0693 EA	Mounting Plate For 2-1/2" Diameter Post .....	45.33
32 31 13 13-0694 EA	Mounting Plate For 3" Diameter Post.....	54.88
32 31 13 13-0695 EA	Mounting Plate For 4" Diameter Post.....	63.27
32 31 13 13-0696 EA	Mounting Plate For 6-5/8" Diameter Post .....	73.54
32 31 13 13-0697 EA	Mounting Plate For 8-5/8" Diameter Post .....	86.92
<b>32 31 13 13-0698</b>	<b>Tension Bar</b> <small>(32 31 13 13-0692)</small>	
32 31 13 13-0699 EA	3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	15.08
32 31 13 13-0700 EA	3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	16.06
32 31 13 13-0701 EA	4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	19.93
32 31 13 13-0702 EA	5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	23.14
32 31 13 13-0703 EA	6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	27.42
32 31 13 13-0704 EA	7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	31.91
32 31 13 13-0705 EA	8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	36.09
32 31 13 13-0706 EA	9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	43.44
32 31 13 13-0707 EA	10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	52.01
<b>32 31 13 13-0708</b>	<b>Truss Rods</b> <small>(32 31 13 13-0692)</small>	
32 31 13 13-0709 LF	3/8" Diameter Truss Rods.....	2.05
		0.50
<b>32 31 13 13-0710</b>	<b>Fence And Gate Repair And Replacement</b> <small>(32 31 13 13)</small>	
<b>32 31 13 13-0711</b>	<b>Fence And Gate Parts Replacement</b> <small>(32 31 13 13-0710)</small>	
32 31 13 13-0712 EA	Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement.....	126.03
32 31 13 13-0713 EA	Sliding Gate Roller Assembly Replacement .....	121.60
32 31 13 13-0714 EA	Rod And Lock Gate Keeper Replacement.....	126.61
32 31 13 13-0715 EA	Galvanized Gate Holdback Replacement .....	26.40
32 31 13 13-0716 LF	3/8" Cross Bracing Rod Replacement .....	1.60
32 31 13 13-0717 LF	1-5/8" Diagonal Pipe Bracing Replacement.....	2.52
32 31 13 13-0718 EA	2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement .....	26.38
32 31 13 13-0719 EA	2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement .....	30.01
32 31 13 13-0720 EA	3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement .....	33.79
32 31 13 13-0721 EA	6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement .....	50.48
32 31 13 13-0722 EA	8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	128.28
32 31 13 13-0723 EA	2-1/2" x 2" Off Set Gate Hinge Replacement.....	25.49
32 31 13 13-0724 EA	3" x 2" Off Set Gate Hinge Replacement .....	26.57
32 31 13 13-0725 EA	4" x 2" Off Set Gate Hinge Replacement .....	28.32
32 31 13 13-0726 EA	6-5/8" x 2" Off Set Gate Hinge Replacement.....	47.70
32 31 13 13-0727 EA	8-5/8" x 2" Off Set Gate Hinge Replacement.....	76.51
32 31 13 13-0728 EA	1-5/8" Aluminum Die-Cast Post Cap Replacement.....	5.33
32 31 13 13-0729 EA	2" Aluminum Die-Cast Post Cap Replacement.....	5.85
32 31 13 13-0730 EA	2-1/2" Aluminum Die-Cast Post Cap Replacement.....	6.87
32 31 13 13-0731 EA	3" Aluminum Die-Cast Post Cap Replacement.....	8.06
32 31 13 13-0732 EA	2" Galvanized Post Cap Replacement.....	6.00
32 31 13 13-0733 EA	2-1/2" Galvanized Post Cap Replacement.....	6.48
32 31 13 13-0734 EA	3" Galvanized Post Cap Replacement.....	7.47
32 31 13 13-0735 EA	4" Galvanized Post Cap Replacement.....	11.45
32 31 13 13-0736 EA	6-5/8" Galvanized Post Cap Replacement.....	22.56
32 31 13 13-0737 EA	8-5/8" Galvanized Post Cap Replacement.....	37.52
32 31 13 13-0738 EA	1-5/8" Boulevard Clamp Replacement.....	9.87
32 31 13 13-0739 EA	2" Boulevard Clamp Replacement.....	12.06
32 31 13 13-0740 EA	2-1/2" Boulevard Clamp Replacement.....	14.14
32 31 13 13-0741 EA	3" Boulevard Clamp Replacement.....	17.15
32 31 13 13-0742 EA	1-5/8" Gate Brace Or End Rail Clamp Replacement .....	9.65
32 31 13 13-0743 EA	2" Gate Brace Or End Rail Clamp Replacement .....	11.75
32 31 13 13-0744 EA	2-1/2" Gate Brace Or End Rail Clamp Replacement .....	13.83
32 31 13 13-0745 EA	3" Gate Brace Or End Rail Clamp Replacement .....	16.82
32 31 13 13-0746 EA	1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.12
32 31 13 13-0747 EA	1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.22
32 31 13 13-0748 EA	2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.49
32 31 13 13-0749 EA	2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.37
32 31 13 13-0750 EA	3" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.57
32 31 13 13-0751 EA	3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.74
32 31 13 13-0752 EA	4" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	11.22
32 31 13 13-0753 EA	6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	14.70
<b>32 31 13 13-0754</b>	<b>Removal And Reinstallation Of Chain Link Fences</b> <small>(32 31 13 13)</small>	
Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work.		
32 31 13 13-0755 LF	Removal And Reinstallation Of Chain Link Fence Up To 5' Height.....	18.31
32 31 13 13-0756 LF	Removal And Reinstallation Of Chain Link Fence 6' To 12' Height .....	27.46

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0757	<b>Ballfield Fencing</b> (32 31 13 13) See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 13-0758	<b>Concrete Bases For Ballfield Poles, Cast In Place</b> (32 31 13 13-0757) Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill.		
32 31 13 13-0759	VLF 2-1/2' Diameter Concrete Base For Ballfield Poles.....	110.85	
32 31 13 13-0760	VLF 3' Diameter Concrete Base For Ballfield Poles.....	135.14	
32 31 13 13-0761	VLF 3-1/2' Diameter Concrete Base For Ballfield Poles.....	169.56	
32 31 13 13-0762	VLF 4' Diameter Concrete Base For Ballfield Poles.....	202.78	
32 31 13 13-0763	<b>Ballfield Poles</b> (32 31 13 13-0757)		
32 31 13 13-0764	EA 20' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting..... Note: 10' above grade	7,603.75	564.25
32 31 13 13-0765	EA 25' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting..... Note: 15' above grade	9,430.34	705.30
32 31 13 13-0766	EA 30' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting..... Note: 20' above grade	10,825.66	846.37
32 31 13 13-0767	EA 40' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting..... Note: 30' above grade	14,606.73	987.43
32 31 13 13-0768	EA 50' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting..... Note: 40' above grade	19,643.32	1,128.49
32 31 13 13-0769	EA 60' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting..... Note: 50' above grade	21,947.90	1,269.55
32 31 13 13-0770	<b>Ballfield Nylon Netting</b> (32 31 13 13-0757) Note: Excludes fastening clips and cabling See CSI section 05 15 00 00-0000 for cabling and accessories.		
32 31 13 13-0771	LF 10' High, #18 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	1.62	
32 31 13 13-0772	LF 10' High, #21 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	1.66	
32 31 13 13-0773	LF 10' High, #36 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	1.87	
32 31 13 13-0774	LF 10' High, #42 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	2.12	
32 31 13 13-0775	LF 10' High, #48 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	2.36	
32 31 13 13-0776	LF 10' High, #60 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	3.14	
32 31 13 13-0777	LF 10' High, #72 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	3.57	
32 31 13 13-0778	LF 10' High, #96 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	4.66	
32 31 13 13-0779	<b>Ballfield Chainlink Netting</b> (32 31 13 13-0757) Note: Excludes fastening clips and cabling See CSI section 05 15 00 00-0000 for cabling and accessories.		
32 31 13 13-0780	SF #9 Gauge Chain Link Fabric, 2" Mesh For Ballfield Netting.....	3.53	1.11
	For 13 Gauge Fabric, Deduct	-0.59	
	For 11 Gauge Fabric, Deduct	-0.33	
	For 6 Gauge Fabric, Add	1.04	
	For 1" Mesh Fabric, Add	0.98	
	For 1-3/4" Mesh Fabric, Add	0.39	
	For 2-1/8" Mesh Fabric, Deduct	-0.20	
	For 2-3/8" Mesh Fabric, Deduct	-0.26	
32 31 13 13-0781	<b>Ballfield Netting Accessories</b> (32 31 13 13-0757)		
32 31 13 13-0782	EA Sliding Clip For Ballfield Netting.....	7.96	
32 31 13 13-0783	EA 1/4" Utility Spring Swing Clip For Ballfield Netting.....	3.55	
32 31 13 13-0784	EA 5/16" Utility Spring Swing Clip For Ballfield Netting.....	3.75	
32 31 13 13-0785	EA 3/8" Utility Spring Swing Clip For Ballfield Netting.....	4.04	
<b>32 31 13 33</b>	<b>Chain Link Backstops</b> (32 31 13)		
32 31 13 33-0001	<b>Regulation Baseball Backstop</b> (32 31 13 33) See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0002	EA 20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized.....	12,715.88	1,794.55
32 31 13 33-0003	EA 34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized.....	18,436.01	2,392.73
32 31 13 33-0004	EA 48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized.....	23,618.68	2,791.52
32 31 13 33-0005	EA 20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	18,194.09	1,794.55
32 31 13 33-0006	EA 34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	26,633.14	2,392.73
32 31 13 33-0007	EA 48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	34,436.08	2,791.52
32 31 13 33-0008	<b>Regulation Softball Backstop</b> (32 31 13 33) See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0009	<b>14' High Softball Backstop</b> (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0010	EA 14' Softball Backstop, Galvanized Regulation.....	10,753.62	1,892.31
32 31 13 33-0011	EA 14' Softball Backstop, Vinyl Coated Regulation.....	14,682.68	1,892.31





<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 31 13 33-0012</b> <b>18' High Softball Backstop</b> <small>(32 31 13 33-0008)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0013    EA    18' Softball Backstop, Galvanized Regulation .....	12,596.44	2,103.72
32 31 13 33-0014    EA    18' Softball Backstop Vinyl Coated Regulation .....	17,349.33	2,103.72
<b>32 31 13 33-0015</b> <b>20' High Softball Backstop</b> <small>(32 31 13 33-0008)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0016    EA    20' Softball Backstop, Galvanized Regulation .....	14,329.25	2,218.08
32 31 13 33-0017    EA    20' Softball Backstop, Vinyl Coated Regulation .....	19,969.41	2,218.08
<b>32 31 13 33-0018</b> <b>22' High Softball Backstop</b> <small>(32 31 13 33-0008)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0019    EA    22' Softball Backstop, Galvanized Regulation .....	16,576.93	2,285.00
32 31 13 33-0020    EA    22' Softball Backstop, Vinyl Coated Regulation .....	23,357.72	2,285.00
<b>32 31 13 33-0021</b> <b>24' High Softball Backstop</b> <small>(32 31 13 33-0008)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0022    EA    24' Softball Backstop, Galvanized Regulation .....	19,819.82	2,611.43
32 31 13 33-0023    EA    24' Softball Backstop, Vinyl Coated Regulation .....	28,248.29	2,611.43
<b>32 31 16</b> <b>Welded Wire Fences and Gates</b> <small>(32 31)</small>		
<b>32 31 16 00-0001</b> <b>Welded Wire Fence</b> <small>(32 31 16)</small>		
<b>32 31 16 00-0002</b> <b>12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh</b> <small>(32 31 16 00-0001)</small> Note: Posts 5' on center.		
32 31 16 00-0003    LF    3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5' .....	9.08	1.60
32 31 16 00-0004    LF    5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5' .....	9.89	1.60
<b>32 31 16 00-0005</b> <b>14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh</b> <small>(32 31 16 00-0001)</small> Note: Posts 5' on center.		
32 31 16 00-0006    LF    3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5' .....	8.91	1.60
32 31 16 00-0007    LF    5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5' .....	9.63	1.60
<b>32 31 19</b> <b>Decorative Metal Fences and Gates</b> <small>(32 31)</small> See CSI section 32 31 13 13-0001 for drilling and grouting.		
<b>32 31 19 00-0001</b> <b>Wrought Iron Fence</b> <small>(32 31 19)</small> Note: Factory primed.		
<b>32 31 19 00-0002</b> <b>Wrought Iron Fence, Verticals At &gt;2-1/2" To 3" On Center</b> <small>(32 31 19 00-0001)</small> Note: Factory primed.		
32 31 19 00-0003    LF    3' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	48.86	10.07
For Verticals Up To 2" On Center, Add .....	5.75	
For Verticals >2" To 2-1/2" On Center, Add .....	2.87	
For Verticals >3" To 4" On Center, Deduct .....	-2.87	
For Verticals >4" To 6" On Center, Deduct .....	-5.75	
32 31 19 00-0004    LF    4' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	62.82	12.81
For Verticals Up To 2" On Center, Add .....	7.62	
For Verticals >2" To 2-1/2" On Center, Add .....	3.81	
For Verticals >3" To 4" On Center, Deduct .....	-3.81	
For Verticals >4" To 6" On Center, Deduct .....	-7.62	
32 31 19 00-0005    LF    5' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	74.93	13.36
For Verticals Up To 2" On Center, Add .....	9.61	
For Verticals >2" To 2-1/2" On Center, Add .....	4.80	
For Verticals >3" To 4" On Center, Deduct .....	-4.80	
For Verticals >4" To 6" On Center, Deduct .....	-9.61	
32 31 19 00-0006    LF    6' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	90.76	16.10
For Verticals Up To 2" On Center, Add .....	11.69	
For Verticals >2" To 2-1/2" On Center, Add .....	5.85	
For Verticals >3" To 4" On Center, Deduct .....	-5.85	
For Verticals >4" To 6" On Center, Deduct .....	-11.69	
32 31 19 00-0007    LF    7' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	106.76	17.05
For Verticals Up To 2" On Center, Add .....	14.53	
For Verticals >2" To 2-1/2" On Center, Add .....	7.27	
For Verticals >3" To 4" On Center, Deduct .....	-7.27	
For Verticals >4" To 6" On Center, Deduct .....	-14.53	
32 31 19 00-0008    LF    8' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	122.75	17.94
For Verticals Up To 2" On Center, Add .....	17.37	
For Verticals >2" To 2-1/2" On Center, Add .....	8.69	
For Verticals >3" To 4" On Center, Deduct .....	-8.69	
For Verticals >4" To 6" On Center, Deduct .....	-17.37	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0009	LF		10' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	149.70	20.13
			<i>For Verticals Up To 2" On Center, Add</i>	21.89	
			<i>For Verticals &gt;2" To 2-1/2" On Center, Add</i>	10.94	
			<i>For Verticals &gt;3" To 4" On Center, Deduct</i>	-10.94	
			<i>For Verticals &gt;4" To 6" On Center, Deduct</i>	-21.89	
32 31 19 00-0010	LF		12' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	177.16	22.88
			<i>For Verticals Up To 2" On Center, Add</i>	26.28	
			<i>For Verticals &gt;2" To 2-1/2" On Center, Add</i>	13.14	
			<i>For Verticals &gt;3" To 4" On Center, Deduct</i>	-13.14	
			<i>For Verticals &gt;4" To 6" On Center, Deduct</i>	-26.28	
32 31 19 00-0011			<b>Wrought Iron Gates</b> (32 31 19 00-0001)		
			Note: Factory primed.		
32 31 19 00-0012			<b>Single Wrought Iron Gates</b> (32 31 19 00-0011)		
			Note: Factory primed.		
32 31 19 00-0013	LF		3' Single Wrought Iron Gate, Hardware And Associated Trim .....	60.30	12.27
32 31 19 00-0014	LF		4' Single Wrought Iron Gate, Hardware And Associated Trim .....	79.15	15.19
32 31 19 00-0015	LF		5' Single Wrought Iron Gate, Hardware And Associated Trim .....	96.85	18.31
32 31 19 00-0016	LF		6' Single Wrought Iron Gate, Hardware And Associated Trim .....	117.77	21.97
32 31 19 00-0017	LF		8' Single Wrought Iron Gate, Hardware And Associated Trim .....	158.99	24.35
32 31 19 00-0018	LF		10' Single Wrought Iron Gate, Hardware And Associated Trim .....	192.97	26.90
32 31 19 00-0019	LF		12' Single Wrought Iron Gate, Hardware And Associated Trim .....	226.31	30.57
32 31 19 00-0020			<b>Double Wrought Iron Gates</b> (32 31 19 00-0011)		
			Note: Factory primed.		
32 31 19 00-0021	LF		3' Double Wrought Iron Gate, Hardware And Associated Trim .....	73.82	10.98
32 31 19 00-0022	LF		4' Double Wrought Iron Gate, Hardware And Associated Trim .....	96.99	13.72
32 31 19 00-0023	LF		5' Double Wrought Iron Gate, Hardware And Associated Trim .....	118.23	16.47
32 31 19 00-0024	LF		6' Double Wrought Iron Gate, Hardware And Associated Trim .....	143.38	19.76
32 31 19 00-0025	LF		8' Double Wrought Iron Gate, Hardware And Associated Trim .....	194.43	21.97
32 31 19 00-0026	LF		10' Double Wrought Iron Gate, Hardware And Associated Trim .....	236.39	24.16
32 31 19 00-0027	LF		12' Double Wrought Iron Gate, Hardware And Associated Trim .....	277.69	27.46
32 31 19 00-0028			<b>Repair Or Replace Wrought Iron Fence</b> (32 31 19 00-0001)		
32 31 19 00-0029	LF		Removal And Replacement Of Wrought Iron Picket .....	18.41	
32 31 19 00-0030	LF		Removal And Replacement Of Wrought Iron Post .....	27.65	
32 31 19 00-0031	EA		Straighten Wrought Iron Post .....	73.22	
32 31 19 00-0032			<b>Steel Tube Fence, Powder Coated</b> (32 31 19)		
			Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033			<b>Steel Tube Fence, 2 Rail</b> (32 31 19 00-0032)		
32 31 19 00-0034	LF		3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	67.21	10.07
			<i>For Verticals Up To 2" On Center, Add</i>	9.50	
			<i>For Verticals &gt;2" To 2-1/2" On Center, Add</i>	4.75	
			<i>For Verticals &gt;3" To 4" On Center, Deduct</i>	-4.75	
			<i>For Verticals &gt;4" To 6" On Center, Deduct</i>	-9.50	
			<i>For Solid Pickets, Add</i>	13.64	
			<i>For Aluminum With Satin Finish, Add</i>	11.28	
			<i>For Third Rail, Add</i>	3.56	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	11.87	
			<i>For 3" Square Posts, Add</i>	4.75	
32 31 19 00-0035	LF		3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	71.90	10.77
			<i>For Verticals Up To 2" On Center, Add</i>	10.07	
			<i>For Verticals &gt;2" To 2-1/2" On Center, Add</i>	5.04	
			<i>For Verticals &gt;3" To 4" On Center, Deduct</i>	-5.04	
			<i>For Verticals &gt;4" To 6" On Center, Deduct</i>	-10.07	
			<i>For Solid Pickets, Add</i>	14.56	
			<i>For Aluminum With Satin Finish, Add</i>	11.88	
			<i>For Third Rail, Add</i>	3.78	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	12.59	
			<i>For 3" Square Posts, Add</i>	5.04	
32 31 19 00-0036	LF		4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	76.06	11.90
			<i>For Verticals Up To 2" On Center, Add</i>	10.55	
			<i>For Verticals &gt;2" To 2-1/2" On Center, Add</i>	5.27	
			<i>For Verticals &gt;3" To 4" On Center, Deduct</i>	-5.27	
			<i>For Verticals &gt;4" To 6" On Center, Deduct</i>	-10.55	
			<i>For Solid Pickets, Add</i>	15.36	
			<i>For Aluminum With Satin Finish, Add</i>	12.32	
			<i>For Third Rail, Add</i>	3.96	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	13.19	
			<i>For 3" Square Posts, Add</i>	5.27	



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0037 LF 5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	80.96	13.36
For Verticals Up To 2" On Center, Add	10.81	
For Verticals >2" To 2-1/2" On Center, Add	5.41	
For Verticals >3" To 4" On Center, Deduct	-5.41	
For Verticals >4" To 6" On Center, Deduct	-10.81	
For Solid Pickets, Add	16.20	
For Aluminum With Satin Finish, Add	12.18	
For Third Rail, Add	4.05	
For 1" Square x 14 Gauge Pickets, Add	13.52	
For 3" Square Posts, Add	5.41	
32 31 19 00-0038 LF 6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	93.92	15.10
For Verticals Up To 2" On Center, Add	12.74	
For Verticals >2" To 2-1/2" On Center, Add	6.37	
For Verticals >3" To 4" On Center, Deduct	-6.37	
For Verticals >4" To 6" On Center, Deduct	-12.74	
For Solid Pickets, Add	18.87	
For Aluminum With Satin Finish, Add	14.58	
For Third Rail, Add	4.78	
For 1" Square x 14 Gauge Pickets, Add	15.93	
For 3" Square Posts, Add	6.37	
32 31 19 00-0039 LF 7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	107.58	16.47
For Verticals Up To 2" On Center, Add	14.93	
For Verticals >2" To 2-1/2" On Center, Add	7.46	
For Verticals >3" To 4" On Center, Deduct	-7.46	
For Verticals >4" To 6" On Center, Deduct	-14.93	
For Solid Pickets, Add	21.74	
For Aluminum With Satin Finish, Add	17.45	
For Third Rail, Add	5.60	
For 1" Square x 14 Gauge Pickets, Add	18.66	
For 4" Square Posts, Add	26.12	
32 31 19 00-0040 LF 8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	121.46	17.94
For Verticals Up To 2" On Center, Add	17.12	
For Verticals >2" To 2-1/2" On Center, Add	8.56	
For Verticals >3" To 4" On Center, Deduct	-8.56	
For Verticals >4" To 6" On Center, Deduct	-17.12	
For Solid Pickets, Add	24.64	
For Aluminum With Satin Finish, Add	20.29	
For Third Rail, Add	6.42	
For 1" Square x 14 Gauge Pickets, Add	21.40	
For 4" Square Posts, Add	29.95	
32 31 19 00-0041 LF 9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	141.34	19.22
For Verticals Up To 2" On Center, Add	20.58	
For Verticals >2" To 2-1/2" On Center, Add	10.29	
For Verticals >3" To 4" On Center, Deduct	-10.29	
For Verticals >4" To 6" On Center, Deduct	-20.58	
For Solid Pickets, Add	28.92	
For Aluminum With Satin Finish, Add	25.10	
For Third Rail, Add	7.72	
For 1" Square x 14 Gauge Pickets, Add	25.73	
For 4" Square Posts, Add	36.02	
32 31 19 00-0042 LF 10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	161.40	20.60
For Verticals Up To 2" On Center, Add	24.04	
For Verticals >2" To 2-1/2" On Center, Add	12.02	
For Verticals >3" To 4" On Center, Deduct	-12.02	
For Verticals >4" To 6" On Center, Deduct	-24.04	
For Solid Pickets, Add	33.23	
For Aluminum With Satin Finish, Add	29.89	
For Third Rail, Add	9.02	
For 1" Square x 14 Gauge Pickets, Add	30.06	
For 6" Square Posts, Add	42.08	
32 31 19 00-0043 LF 12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	190.24	22.88
For Verticals Up To 2" On Center, Add	28.89	
For Verticals >2" To 2-1/2" On Center, Add	14.45	
For Verticals >3" To 4" On Center, Deduct	-14.45	
For Verticals >4" To 6" On Center, Deduct	-28.89	
For Solid Pickets, Add	39.37	
For Aluminum With Satin Finish, Add	36.48	
For Third Rail, Add	10.84	
For 1" Square x 14 Gauge Pickets, Add	36.12	
For 6" Square Posts, Add	50.56	
32 31 19 00-0044 LF 14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	203.77	24.71
For Verticals Up To 2" On Center, Add	30.87	
For Verticals >2" To 2-1/2" On Center, Add	15.43	
For Verticals >3" To 4" On Center, Deduct	-15.43	
For Verticals >4" To 6" On Center, Deduct	-30.87	
For Solid Pickets, Add	42.14	
For Aluminum With Satin Finish, Add	38.89	
For Third Rail, Add	11.58	
For 1" Square x 14 Gauge Pickets, Add	38.59	
For 6" Square Posts, Add	54.02	

32 31 19 00-0045 Steel Tube Swing Gates (32 31 19 00-0032)

32 31 19 00-0046 3' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 19 00-0047	EA	3' Wide x 3' High Steel Tube Single Swing Gate.....		776.28	19.50
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		170.27	
		For Aluminum With Satin Finish, Add		206.52	
		For Third Rail, Add		53.83	
		For 1" Square x 14 Gauge Pickets, Add		71.77	
32 31 19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate .....		864.61	20.41
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		189.94	
		For Aluminum With Satin Finish, Add		231.78	
		For Third Rail, Add		60.25	
		For 1" Square x 14 Gauge Pickets, Add		80.33	
32 31 19 00-0049	EA	4' Wide x 3' High Steel Tube Single Swing Gate.....		957.75	21.60
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		210.62	
		For Aluminum With Satin Finish, Add		258.08	
		For Third Rail, Add		66.96	
		For 1" Square x 14 Gauge Pickets, Add		89.28	
32 31 19 00-0050	EA	5' Wide x 3' High Steel Tube Single Swing Gate.....		1,007.05	23.16
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		221.37	
		For Aluminum With Satin Finish, Add		270.81	
		For Third Rail, Add		70.31	
		For 1" Square x 14 Gauge Pickets, Add		93.75	
32 31 19 00-0051	EA	6' Wide x 3' High Steel Tube Single Swing Gate.....		1,123.86	27.73
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		246.62	
		For Aluminum With Satin Finish, Add		299.68	
		For Third Rail, Add		78.04	
		For 1" Square x 14 Gauge Pickets, Add		104.06	
32 31 19 00-0052	EA	7' Wide x 3' High Steel Tube Single Swing Gate.....		1,194.00	32.31
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		261.37	
		For Aluminum With Satin Finish, Add		314.54	
		For Third Rail, Add		82.27	
		For 1" Square x 14 Gauge Pickets, Add		109.70	
32 31 19 00-0053	EA	8' Wide x 3' High Steel Tube Single Swing Gate.....		1,302.00	37.16
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		284.58	
		For Aluminum With Satin Finish, Add		340.35	
		For Third Rail, Add		89.28	
		For 1" Square x 14 Gauge Pickets, Add		119.03	
32 31 19 00-0054	EA	9' Wide x 3' High Steel Tube Single Swing Gate.....		1,395.47	41.73
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		304.58	
		For Aluminum With Satin Finish, Add		362.22	
		For Third Rail, Add		95.26	
		For 1" Square x 14 Gauge Pickets, Add		127.01	
32 31 19 00-0055	EA	10' Wide x 3' High Steel Tube Single Swing Gate.....		1,477.27	46.31
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		321.95	
		For Aluminum With Satin Finish, Add		380.58	
		For Third Rail, Add		100.36	
		For 1" Square x 14 Gauge Pickets, Add		133.82	
32 31 19 00-0056	EA	6' Wide x 3' High Steel Tube Double Swing Gate .....		1,624.33	38.99
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		356.69	
		For Aluminum With Satin Finish, Add		434.58	
		For Third Rail, Add		113.04	
		For 1" Square x 14 Gauge Pickets, Add		150.72	
32 31 19 00-0057	EA	7' Wide x 3' High Steel Tube Double Swing Gate .....		1,731.16	40.82
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		380.31	
		For Aluminum With Satin Finish, Add		464.16	
		For Third Rail, Add		120.64	
		For 1" Square x 14 Gauge Pickets, Add		160.85	
32 31 19 00-0058	EA	8' Wide x 3' High Steel Tube Double Swing Gate .....		1,915.47	43.29
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		421.23	
		For Aluminum With Satin Finish, Add		516.16	
		For Third Rail, Add		133.91	
		For 1" Square x 14 Gauge Pickets, Add		178.55	
32 31 19 00-0059	EA	9' Wide x 3' High Steel Tube Double Swing Gate .....		2,007.58	44.84
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		441.62	
		For Aluminum With Satin Finish, Add		541.73	
		For Third Rail, Add		140.48	
		For 1" Square x 14 Gauge Pickets, Add		187.30	
32 31 19 00-0060	EA	10' Wide x 3' High Steel Tube Double Swing Gate .....		2,082.17	46.31
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		458.06	
		For Aluminum With Satin Finish, Add		562.05	
		For Third Rail, Add		145.73	
		For 1" Square x 14 Gauge Pickets, Add		194.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0061 EA 12' Wide x 3' High Steel Tube Double Swing Gate.....	2,341.08	55.47
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	514.25	
<i>For Aluminum With Satin Finish, Add</i>	627.37	
<i>For Third Rail, Add</i>	163.09	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	217.45	
32 31 19 00-0062 EA 14' Wide x 3' High Steel Tube Double Swing Gate.....	2,563.04	64.62
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	562.13	
<i>For Aluminum With Satin Finish, Add</i>	681.60	
<i>For Third Rail, Add</i>	177.68	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	236.90	
32 31 19 00-0063 EA 16' Wide x 3' High Steel Tube Double Swing Gate.....	2,747.93	74.41
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	601.54	
<i>For Aluminum With Satin Finish, Add</i>	723.89	
<i>For Third Rail, Add</i>	189.35	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	252.46	
32 31 19 00-0064 EA 18' Wide x 3' High Steel Tube Double Swing Gate.....	2,901.82	83.47
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	634.10	
<i>For Aluminum With Satin Finish, Add</i>	757.70	
<i>For Third Rail, Add</i>	198.83	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	265.10	
32 31 19 00-0065 EA 20' Wide x 3' High Steel Tube Double Swing Gate.....	3,026.51	92.62
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	660.10	
<i>For Aluminum With Satin Finish, Add</i>	782.75	
<i>For Third Rail, Add</i>	206.12	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	274.83	
<b>32 31 19 00-0066 4' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32 31 19 00-0045)</small>		
32 31 19 00-0067 EA 3' Wide x 4' High Steel Tube Single Swing Gate.....	898.13	18.31
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	197.45	
<i>For Aluminum With Satin Finish, Add</i>	241.64	
<i>For Third Rail, Add</i>	62.73	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	83.64	
32 31 19 00-0068 EA 3'-6" Wide x 4' High Steel Tube Single Swing Gate.....	972.38	21.32
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	213.98	
<i>For Aluminum With Satin Finish, Add</i>	262.89	
<i>For Third Rail, Add</i>	68.12	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	90.83	
32 31 19 00-0069 EA 4' Wide x 4' High Steel Tube Single Swing Gate.....	1,048.92	22.88
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	230.86	
<i>For Aluminum With Satin Finish, Add</i>	283.79	
<i>For Third Rail, Add</i>	73.52	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	98.03	
32 31 19 00-0070 EA 5' Wide x 4' High Steel Tube Single Swing Gate.....	1,111.85	24.35
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	244.67	
<i>For Aluminum With Satin Finish, Add</i>	300.61	
<i>For Third Rail, Add</i>	77.90	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	103.86	
32 31 19 00-0071 EA 6' Wide x 4' High Steel Tube Single Swing Gate.....	1,196.51	29.28
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	262.63	
<i>For Aluminum With Satin Finish, Add</i>	319.42	
<i>For Third Rail, Add</i>	83.15	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	110.87	
32 31 19 00-0072 EA 7' Wide x 4' High Steel Tube Single Swing Gate.....	1,312.30	34.13
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	287.58	
<i>For Aluminum With Satin Finish, Add</i>	347.56	
<i>For Third Rail, Add</i>	90.73	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	120.98	
32 31 19 00-0073 EA 8' Wide x 4' High Steel Tube Single Swing Gate.....	1,472.81	38.99
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	322.60	
<i>For Aluminum With Satin Finish, Add</i>	389.13	
<i>For Third Rail, Add</i>	101.67	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	135.57	
32 31 19 00-0074 EA 9' Wide x 4' High Steel Tube Single Swing Gate.....	1,629.45	43.93
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	356.74	
<i>For Aluminum With Satin Finish, Add</i>	429.53	
<i>For Third Rail, Add</i>	112.32	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	149.77	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0075	EA		10' Wide x 4' High Steel Tube Single Swing Gate.....	1,778.30	48.78
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	389.13	
			<i>For Aluminum With Satin Finish, Add</i>	467.59	
			<i>For Third Rail, Add</i>	122.39	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	163.19	
32 31 19 00-0076	EA		6' Wide x 4' High Steel Tube Double Swing Gate.....	1,796.25	41.18
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	394.89	
			<i>For Aluminum With Satin Finish, Add</i>	483.28	
			<i>For Third Rail, Add</i>	125.45	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	167.27	
32 31 19 00-0077	EA		7' Wide x 4' High Steel Tube Double Swing Gate.....	1,944.77	42.65
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	427.96	
			<i>For Aluminum With Satin Finish, Add</i>	525.77	
			<i>For Third Rail, Add</i>	136.25	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	181.66	
32 31 19 00-0078	EA		8' Wide x 4' High Steel Tube Double Swing Gate.....	2,097.85	45.77
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	461.72	
			<i>For Aluminum With Satin Finish, Add</i>	567.57	
			<i>For Third Rail, Add</i>	147.04	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	196.06	
32 31 19 00-0079	EA		9' Wide x 4' High Steel Tube Double Swing Gate.....	2,219.12	47.22
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	488.66	
			<i>For Aluminum With Satin Finish, Add</i>	601.90	
			<i>For Third Rail, Add</i>	155.79	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	207.73	
32 31 19 00-0080	EA		10' Wide x 4' High Steel Tube Double Swing Gate.....	2,320.95	48.78
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	511.23	
			<i>For Aluminum With Satin Finish, Add</i>	630.39	
			<i>For Third Rail, Add</i>	163.09	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	217.45	
32 31 19 00-0081	EA		12' Wide x 4' High Steel Tube Double Swing Gate.....	2,632.27	58.48
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	579.08	
			<i>For Aluminum With Satin Finish, Add</i>	710.60	
			<i>For Third Rail, Add</i>	184.24	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	245.65	
32 31 19 00-0082	EA		14' Wide x 4' High Steel Tube Double Swing Gate.....	2,904.67	68.28
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	638.18	
			<i>For Aluminum With Satin Finish, Add</i>	779.15	
			<i>For Third Rail, Add</i>	202.47	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	269.97	
32 31 19 00-0083	EA		16' Wide x 4' High Steel Tube Double Swing Gate.....	3,140.14	77.98
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	688.96	
			<i>For Aluminum With Satin Finish, Add</i>	836.60	
			<i>For Third Rail, Add</i>	217.94	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	290.58	
32 31 19 00-0084	EA		18' Wide x 4' High Steel Tube Double Swing Gate.....	3,342.53	87.77
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	732.30	
			<i>For Aluminum With Satin Finish, Add</i>	884.14	
			<i>For Third Rail, Add</i>	230.92	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	307.89	
32 31 19 00-0085	EA		20' Wide x 4' High Steel Tube Double Swing Gate.....	3,513.80	97.56
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	768.64	
			<i>For Aluminum With Satin Finish, Add</i>	922.34	
			<i>For Third Rail, Add</i>	241.57	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	322.09	
32 31 19 00-0086			<b>5' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32 31 19 00-0045)</small>		
32 31 19 00-0087	EA		3' Wide x 5' High Steel Tube Single Swing Gate.....	978.21	21.32
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	215.29	
			<i>For Aluminum With Satin Finish, Add</i>	264.64	
			<i>For Third Rail, Add</i>	68.56	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	91.42	
32 31 19 00-0088	EA		3'-6" Wide x 5' High Steel Tube Single Swing Gate.....	1,031.42	22.88
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	226.92	
			<i>For Aluminum With Satin Finish, Add</i>	278.54	
			<i>For Third Rail, Add</i>	72.21	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	96.28	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0089	EA		4' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,082.68	24.35
				<i>For Solid Pickets, Add</i>	238.11	
				<i>For Aluminum With Satin Finish, Add</i>	291.86	
				<i>For Third Rail, Add</i>	75.71	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	100.95	
32 31	19 00-0090	EA		5' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,157.28	25.90
				<i>For Solid Pickets, Add</i>	254.55	
				<i>For Aluminum With Satin Finish, Add</i>	312.17	
				<i>For Third Rail, Add</i>	80.96	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	107.95	
32 31	19 00-0091	EA		6' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,256.47	31.12
				<i>For Solid Pickets, Add</i>	275.70	
				<i>For Aluminum With Satin Finish, Add</i>	334.93	
				<i>For Third Rail, Add</i>	87.23	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	116.31	
32 31	19 00-0092	EA		7' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,388.73	36.25
				<i>For Solid Pickets, Add</i>	304.30	
				<i>For Aluminum With Satin Finish, Add</i>	367.61	
				<i>For Third Rail, Add</i>	95.99	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	127.98	
32 31	19 00-0093	EA		8' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,574.41	41.73
				<i>For Solid Pickets, Add</i>	344.84	
				<i>For Aluminum With Satin Finish, Add</i>	415.90	
				<i>For Third Rail, Add</i>	108.68	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	144.90	
32 31	19 00-0094	EA		9' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,755.30	46.96
				<i>For Solid Pickets, Add</i>	384.37	
				<i>For Aluminum With Satin Finish, Add</i>	463.16	
				<i>For Third Rail, Add</i>	121.08	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	161.44	
32 31	19 00-0095	EA		10' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,932.29	52.07
				<i>For Solid Pickets, Add</i>	423.03	
				<i>For Aluminum With Satin Finish, Add</i>	509.26	
				<i>For Third Rail, Add</i>	133.18	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	177.58	
32 31	19 00-0096	EA		6' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,930.99	35.97
				<i>For Solid Pickets, Add</i>	426.77	
				<i>For Aluminum With Satin Finish, Add</i>	533.09	
				<i>For Third Rail, Add</i>	137.12	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	182.83	
32 31	19 00-0097	EA		7' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,043.41	41.92
				<i>For Solid Pickets, Add</i>	450.78	
				<i>For Aluminum With Satin Finish, Add</i>	559.11	
				<i>For Third Rail, Add</i>	144.27	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	192.36	
32 31	19 00-0098	EA		8' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,156.83	48.24
				<i>For Solid Pickets, Add</i>	474.94	
				<i>For Aluminum With Satin Finish, Add</i>	584.99	
				<i>For Third Rail, Add</i>	151.42	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	201.89	
32 31	19 00-0099	EA		9' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,313.99	54.28
				<i>For Solid Pickets, Add</i>	509.02	
				<i>For Aluminum With Satin Finish, Add</i>	624.43	
				<i>For Third Rail, Add</i>	161.92	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	215.90	
32 31	19 00-0100	EA		10' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,451.70	60.23
				<i>For Solid Pickets, Add</i>	538.72	
				<i>For Aluminum With Satin Finish, Add</i>	658.04	
				<i>For Third Rail, Add</i>	170.97	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	227.95	
32 31	19 00-0101	EA		12' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,791.75	67.00
				<i>For Solid Pickets, Add</i>	613.80	
				<i>For Aluminum With Satin Finish, Add</i>	751.44	
				<i>For Third Rail, Add</i>	195.03	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	260.05	
32 31	19 00-0102	EA		14' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,096.87	74.32
				<i>For Solid Pickets, Add</i>	680.86	
				<i>For Aluminum With Satin Finish, Add</i>	833.47	
				<i>For Third Rail, Add</i>	216.33	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	288.44	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0103	EA	16' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,368.99	82.46
			<i>For Solid Pickets, Add</i>	740.35	
			<i>For Aluminum With Satin Finish, Add</i>	904.68	
			<i>For Third Rail, Add</i>	235.01	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	313.34	
32 31	19 00-0104	EA	18' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,613.00	91.61
			<i>For Solid Pickets, Add</i>	793.29	
			<i>For Aluminum With Satin Finish, Add</i>	966.11	
			<i>For Third Rail, Add</i>	251.34	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	335.12	
32 31	19 00-0105	EA	20' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,828.91	101.87
			<i>For Solid Pickets, Add</i>	839.68	
			<i>For Aluminum With Satin Finish, Add</i>	1,017.75	
			<i>For Third Rail, Add</i>	265.35	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	353.80	
<b>32 31</b>	<b>19 00-0106</b>		<b>6' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32 31 19 00-0045)</small>		
32 31	19 00-0107	EA	3' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,017.69	23.43
			<i>For Solid Pickets, Add</i>	223.70	
			<i>For Aluminum With Satin Finish, Add</i>	273.60	
			<i>For Third Rail, Add</i>	71.04	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	94.72	
32 31	19 00-0108	EA	3'-6" Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,069.98	24.71
			<i>For Solid Pickets, Add</i>	235.19	
			<i>For Aluminum With Satin Finish, Add</i>	287.63	
			<i>For Third Rail, Add</i>	74.69	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	99.58	
32 31	19 00-0109	EA	4' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,122.91	26.08
			<i>For Solid Pickets, Add</i>	246.77	
			<i>For Aluminum With Satin Finish, Add</i>	301.57	
			<i>For Third Rail, Add</i>	78.33	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	104.45	
32 31	19 00-0110	EA	5' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,188.06	27.73
			<i>For Solid Pickets, Add</i>	261.07	
			<i>For Aluminum With Satin Finish, Add</i>	318.93	
			<i>For Third Rail, Add</i>	82.86	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	110.48	
32 31	19 00-0111	EA	6' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,331.86	33.50
			<i>For Solid Pickets, Add</i>	292.12	
			<i>For Aluminum With Satin Finish, Add</i>	354.25	
			<i>For Third Rail, Add</i>	92.34	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	123.12	
32 31	19 00-0112	EA	7' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,485.40	39.36
			<i>For Solid Pickets, Add</i>	325.36	
			<i>For Aluminum With Satin Finish, Add</i>	392.49	
			<i>For Third Rail, Add</i>	102.55	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	136.73	
32 31	19 00-0113	EA	8' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,657.48	44.84
			<i>For Solid Pickets, Add</i>	362.84	
			<i>For Aluminum With Satin Finish, Add</i>	436.70	
			<i>For Third Rail, Add</i>	114.22	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	152.29	
32 31	19 00-0114	EA	9' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,822.69	50.62
			<i>For Solid Pickets, Add</i>	398.71	
			<i>For Aluminum With Satin Finish, Add</i>	478.44	
			<i>For Third Rail, Add</i>	125.31	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	167.08	
32 31	19 00-0115	EA	10' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,024.84	56.38
			<i>For Solid Pickets, Add</i>	442.89	
			<i>For Aluminum With Satin Finish, Add</i>	531.26	
			<i>For Third Rail, Add</i>	139.16	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	185.55	
32 31	19 00-0116	EA	6' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,005.17	38.80
			<i>For Solid Pickets, Add</i>	442.86	
			<i>For Aluminum With Satin Finish, Add</i>	551.72	
			<i>For Third Rail, Add</i>	142.08	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	189.44	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0117 EA 7' Wide x 6' High Steel Tube Double Swing Gate.....	2,121.55	45.49
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	467.61	
<i>For Aluminum With Satin Finish, Add</i>	578.02	
<i>For Third Rail, Add</i>	149.38	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	199.17	
32 31 19 00-0118 EA 8' Wide x 6' High Steel Tube Double Swing Gate.....	2,236.92	51.81
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	492.21	
<i>For Aluminum With Satin Finish, Add</i>	604.48	
<i>For Third Rail, Add</i>	156.67	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	208.89	
32 31 19 00-0119 EA 9' Wide x 6' High Steel Tube Double Swing Gate.....	2,376.64	58.48
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	522.21	
<i>For Aluminum With Satin Finish, Add</i>	637.79	
<i>For Third Rail, Add</i>	165.71	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	220.95	
32 31 19 00-0120 EA 10' Wide x 6' High Steel Tube Double Swing Gate.....	2,598.05	65.16
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	570.59	
<i>For Aluminum With Satin Finish, Add</i>	695.60	
<i>For Third Rail, Add</i>	180.89	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	241.18	
32 31 19 00-0121 EA 12' Wide x 6' High Steel Tube Double Swing Gate.....	3,049.03	72.58
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	670.48	
<i>For Aluminum With Satin Finish, Add</i>	821.38	
<i>For Third Rail, Add</i>	213.12	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	284.16	
32 31 19 00-0122 EA 14' Wide x 6' High Steel Tube Double Swing Gate.....	3,189.90	81.09
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	700.36	
<i>For Aluminum With Satin Finish, Add</i>	852.77	
<i>For Third Rail, Add</i>	221.88	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	295.83	
32 31 19 00-0123 EA 16' Wide x 6' High Steel Tube Double Swing Gate.....	3,501.99	90.24
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	768.62	
<i>For Aluminum With Satin Finish, Add</i>	934.62	
<i>For Third Rail, Add</i>	243.32	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	324.43	
32 31 19 00-0124 EA 18' Wide x 6' High Steel Tube Double Swing Gate.....	3,787.93	100.40
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	830.76	
<i>For Aluminum With Satin Finish, Add</i>	1,007.26	
<i>For Third Rail, Add</i>	262.58	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	350.10	
32 31 19 00-0125 EA 20' Wide x 6' High Steel Tube Double Swing Gate.....	4,052.61	112.02
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	887.83	
<i>For Aluminum With Satin Finish, Add</i>	1,071.72	
<i>For Third Rail, Add</i>	279.93	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	373.25	
<b>32 31 19 00-0126 7' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32 31 19 00-0045)</small>		
32 31 19 00-0127 EA 3' Wide x 7' High Steel Tube Single Swing Gate.....	1,077.92	25.35
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	236.81	
<i>For Aluminum With Satin Finish, Add</i>	289.07	
<i>For Third Rail, Add</i>	75.13	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	100.17	
32 31 19 00-0128 EA 3'-6" Wide x 7' High Steel Tube Single Swing Gate.....	1,132.51	26.73
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	248.79	
<i>For Aluminum With Satin Finish, Add</i>	303.63	
<i>For Third Rail, Add</i>	78.92	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	105.22	
32 31 19 00-0129 EA 4' Wide x 7' High Steel Tube Single Swing Gate.....	1,187.31	28.09
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	260.81	
<i>For Aluminum With Satin Finish, Add</i>	318.17	
<i>For Third Rail, Add</i>	82.71	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	110.28	
32 31 19 00-0130 EA 5' Wide x 7' High Steel Tube Single Swing Gate.....	1,242.16	29.56
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	272.83	
<i>For Aluminum With Satin Finish, Add</i>	332.70	
<i>For Third Rail, Add</i>	86.50	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	115.34	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate.....		1,436.43	35.97
		Note: Includes mounting hardware and associated trim.			
		<i>For Solid Pickets, Add</i>		315.10	
		<i>For Aluminum With Satin Finish, Add</i>		382.33	
		<i>For Third Rail, Add</i>		99.63	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>		132.84	
32 31 19 00-0132	EA	7' Wide x 7' High Steel Tube Single Swing Gate.....		1,614.22	42.10
		Note: Includes mounting hardware and associated trim.			
		<i>For Solid Pickets, Add</i>		353.73	
		<i>For Aluminum With Satin Finish, Add</i>		427.43	
		<i>For Third Rail, Add</i>		111.59	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>		148.79	
32 31 19 00-0133	EA	8' Wide x 7' High Steel Tube Single Swing Gate.....		1,742.36	48.41
		Note: Includes mounting hardware and associated trim.			
		<i>For Solid Pickets, Add</i>		381.12	
		<i>For Aluminum With Satin Finish, Add</i>		457.22	
		<i>For Third Rail, Add</i>		119.76	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>		159.68	
32 31 19 00-0134	EA	9' Wide x 7' High Steel Tube Single Swing Gate.....		1,889.05	54.55
		Note: Includes mounting hardware and associated trim.			
		<i>For Solid Pickets, Add</i>		412.75	
		<i>For Aluminum With Satin Finish, Add</i>		492.99	
		<i>For Third Rail, Add</i>		129.39	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>		172.52	
32 31 19 00-0135	EA	10' Wide x 7' High Steel Tube Single Swing Gate.....		2,069.70	60.96
		Note: Includes mounting hardware and associated trim.			
		<i>For Solid Pickets, Add</i>		451.95	
		<i>For Aluminum With Satin Finish, Add</i>		538.54	
		<i>For Third Rail, Add</i>		141.50	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>		188.67	
32 31 19 00-0136	EA	6' Wide x 7' High Steel Tube Double Swing Gate.....		2,122.14	41.55
		Note: Includes mounting hardware and associated trim.			
		<i>For Solid Pickets, Add</i>		468.57	
		<i>For Aluminum With Satin Finish, Add</i>		583.19	
		<i>For Third Rail, Add</i>		150.25	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>		200.34	
32 31 19 00-0137	EA	7' Wide x 7' High Steel Tube Double Swing Gate.....		2,243.43	48.60
		Note: Includes mounting hardware and associated trim.			
		<i>For Solid Pickets, Add</i>		494.35	
		<i>For Aluminum With Satin Finish, Add</i>		610.51	
		<i>For Third Rail, Add</i>		157.84	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>		210.45	
32 31 19 00-0138	EA	8' Wide x 7' High Steel Tube Double Swing Gate.....		2,365.71	56.01
		Note: Includes mounting hardware and associated trim.			
		<i>For Solid Pickets, Add</i>		520.28	
		<i>For Aluminum With Satin Finish, Add</i>		637.68	
		<i>For Third Rail, Add</i>		165.42	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>		220.56	
32 31 19 00-0139	EA	9' Wide x 7' High Steel Tube Double Swing Gate.....		2,488.93	63.06
		Note: Includes mounting hardware and associated trim.			
		<i>For Solid Pickets, Add</i>		546.49	
		<i>For Aluminum With Satin Finish, Add</i>		665.58	
		<i>For Third Rail, Add</i>		173.15	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>		230.87	
32 31 19 00-0140	EA	10' Wide x 7' High Steel Tube Double Swing Gate.....		2,803.76	70.47
		Note: Includes mounting hardware and associated trim.			
		<i>For Solid Pickets, Add</i>		615.74	
		<i>For Aluminum With Satin Finish, Add</i>		750.52	
		<i>For Third Rail, Add</i>		195.18	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>		260.24	
32 31 19 00-0141	EA	12' Wide x 7' High Steel Tube Double Swing Gate.....		3,392.91	78.62
		Note: Includes mounting hardware and associated trim.			
		<i>For Solid Pickets, Add</i>		746.57	
		<i>For Aluminum With Satin Finish, Add</i>		916.84	
		<i>For Third Rail, Add</i>		237.63	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>		316.84	
32 31 19 00-0142	EA	14' Wide x 7' High Steel Tube Double Swing Gate.....		3,350.07	88.14
		Note: Includes mounting hardware and associated trim.			
		<i>For Solid Pickets, Add</i>		734.89	
		<i>For Aluminum With Satin Finish, Add</i>		891.76	
		<i>For Third Rail, Add</i>		232.38	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>		309.84	
32 31 19 00-0143	EA	16' Wide x 7' High Steel Tube Double Swing Gate.....		3,628.23	98.30
		Note: Includes mounting hardware and associated trim.			
		<i>For Solid Pickets, Add</i>		795.29	
		<i>For Aluminum With Satin Finish, Add</i>		962.07	
		<i>For Third Rail, Add</i>		251.05	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>		334.73	
32 31 19 00-0144	EA	18' Wide x 7' High Steel Tube Double Swing Gate.....		3,960.99	109.92
		Note: Includes mounting hardware and associated trim.			
		<i>For Solid Pickets, Add</i>		867.66	
		<i>For Aluminum With Satin Finish, Add</i>		1,046.95	
		<i>For Third Rail, Add</i>		273.52	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>		364.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0145 EA 20' Wide x 7' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	4,178.11  913.80 1,095.78 287.08 382.78	122.64
<b>32 31 19 00-0146 8' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32 31 19 00-0045)</small>		
32 31 19 00-0147 EA 3' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,171.57  257.43 314.40 81.69 108.92	27.46
32 31 19 00-0148 EA 3'-6" Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,228.67  269.93 329.47 85.63 114.17	28.92
32 31 19 00-0149 EA 4' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,289.64  283.31 345.71 89.86 119.81	30.47
32 31 19 00-0150 EA 5' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,342.96  294.51 356.97 93.07 124.09	33.96
32 31 19 00-0151 EA 6' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,589.63  349.02 425.00 110.57 147.43	38.44
32 31 19 00-0152 EA 7' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,767.07  387.16 467.52 122.10 162.80	46.31
32 31 19 00-0153 EA 8' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,842.48  402.41 479.84 126.04 168.05	53.91
32 31 19 00-0154 EA 9' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,973.26  430.05 508.37 134.06 178.75	61.87
32 31 19 00-0155 EA 10' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,086.51  453.75 531.64 140.77 187.69	69.83
32 31 19 00-0156 EA 6' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,307.20  509.61 635.07 163.53 218.03	44.39
32 31 19 00-0157 EA 7' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,442.29  538.04 663.82 171.69 228.93	53.54
32 31 19 00-0158 EA 8' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,574.44  565.88 692.14 179.72 239.62	62.33

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0159	EA		9' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,684.26	71.57
			<i>For Solid Pickets, Add</i>	588.63	
			<i>For Aluminum With Satin Finish, Add</i>	713.31	
			<i>For Third Rail, Add</i>	185.99	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	247.99	
32 31 19 00-0160	EA		10' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,120.82	80.72
			<i>For Solid Pickets, Add</i>	684.89	
			<i>For Aluminum With Satin Finish, Add</i>	832.50	
			<i>For Third Rail, Add</i>	216.77	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	289.03	
32 31 19 00-0161	EA		12' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,894.94	90.89
			<i>For Solid Pickets, Add</i>	856.88	
			<i>For Aluminum With Satin Finish, Add</i>	1,051.60	
			<i>For Third Rail, Add</i>	272.64	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	363.52	
32 31 19 00-0162	EA		14' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,550.84	102.51
			<i>For Solid Pickets, Add</i>	776.97	
			<i>For Aluminum With Satin Finish, Add</i>	933.42	
			<i>For Third Rail, Add</i>	244.34	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	325.79	
32 31 19 00-0163	EA		16' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,799.16	115.96
			<i>For Solid Pickets, Add</i>	829.97	
			<i>For Aluminum With Satin Finish, Add</i>	990.70	
			<i>For Third Rail, Add</i>	260.10	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	346.79	
32 31 19 00-0164	EA		18' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	4,185.71	130.69
			<i>For Solid Pickets, Add</i>	913.77	
			<i>For Aluminum With Satin Finish, Add</i>	1,087.63	
			<i>For Third Rail, Add</i>	285.92	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	381.22	
32 31 19 00-0165	EA		20' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	4,264.14	147.27
			<i>For Solid Pickets, Add</i>	927.87	
			<i>For Aluminum With Satin Finish, Add</i>	1,089.87	
			<i>For Third Rail, Add</i>	288.25	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	384.33	
<b>32 31 19 00-0166</b>			<b>Replace Steel Tube Fence Pickets</b> (32 31 19 00-0032)		
32 31 19 00-0167	LF		Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket ..... <i>For 1" Square x 14 Gauge Pickets, Add</i>	26.42 0.81	
<b>32 31 19 00-0168</b>			<b>Removal And Reinstallation Of Ornamental Fences</b> (32 31 19)		
			Note: Including storage and cleaning. Excludes augering and concrete.		
32 31 19 00-0169	LF		Removal And Reinstallation Of Ornamental Fence Up To 5' Height.....	41.18	
32 31 19 00-0170	LF		Removal And Reinstallation Of Ornamental Fence, 6' Height.....	45.30	
32 31 19 00-0171	LF		Removal And Reinstallation Of Ornamental Fence, 7' Height.....	49.43	
32 31 19 00-0172	LF		Removal And Reinstallation Of Ornamental Fence, 8' Height.....	53.54	
32 31 19 00-0173	LF		Removal And Reinstallation Of Ornamental Fence, 9' Height.....	57.66	
32 31 19 00-0174	LF		Removal And Reinstallation Of Ornamental Fence, 10' Height.....	61.78	
32 31 19 00-0175	LF		Removal And Reinstallation Of Ornamental Fence 12' Height.....	68.64	
<b>32 31 23</b>			<b>Plastic Fences and Gates</b> (32 31)		
32 31 23 00-0001			Vinyl Fence (32 31 23)		
32 31 23 00-0002			Privacy Tongue And Groove Vinyl Fence (32 31 23 00-0001)		
			Note: With 1-1/2" x 5-1/2" top and bottom rails, 5" x 5" posts installed 7' centers. Post includes flat cap.		
32 31 23 00-0003	LF		3' High Privacy Tongue And Groove Vinyl Fence .....	54.88	5.45
32 31 23 00-0004	LF		4' High Privacy Tongue And Groove Vinyl Fence .....	61.43	6.54
32 31 23 00-0005	LF		5' High Privacy Tongue And Groove Vinyl Fence .....	68.54	7.62
32 31 23 00-0006	LF		6' High Privacy Tongue And Groove Vinyl Fence .....	75.49	8.72
32 31 23 00-0007			Semi-Privacy 6" Picket Vinyl Fence (32 31 23 00-0001)		
			Note: With 1-1/2" x 5-1/2" top and bottom rails, 2" x 3-1/2" mid rail, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0008	LF		5' High Semi-Privacy 6" Picket Vinyl Fence .....	73.49	7.62
32 31 23 00-0009	LF		6' High Semi-Privacy 6" Picket Vinyl Fence .....	80.50	8.72
32 31 23 00-0010			Picket Straight Top Vinyl Fence (32 31 23 00-0001)		
			Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0011	LF		3' High Picket Straight Top Vinyl Fence .....	50.51	5.45
32 31 23 00-0012	LF		4' High Picket Straight Top Vinyl Fence .....	57.29	6.54
32 31 23 00-0013	LF		5' High Picket Straight Top Vinyl Fence .....	65.64	7.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0014 LF 6' High Picket Straight Top Vinyl Fence.....	72.65	8.72
<b>32 31 23 00-0015 Picket Scalloped Top Vinyl Fence</b> <small>(32 31 23 00-0001)</small>		
<small>Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.</small>		
32 31 23 00-0016 LF 3' High Picket Scalloped Top Vinyl Fence.....	56.13	5.45
32 31 23 00-0017 LF 4' High Picket Scalloped Top Vinyl Fence.....	63.08	6.54
32 31 23 00-0018 LF 5' High Picket Scalloped Top Vinyl Fence.....	71.06	7.62
32 31 23 00-0019 LF 6' High Picket Scalloped Top Vinyl Fence.....	78.24	8.72
<b>32 31 23 00-0020 Post And Rail Vinyl Fence, Ranch Style</b> <small>(32 31 23 00-0001)</small>		
<small>Note: With 1-1/2" x 5-1/2" rails, 5" x 5" posts installed 8' centers. Post includes flat cap.</small>		
32 31 23 00-0021 LF 5' High, 2 Rail, Post And Rail Vinyl Fence.....	19.79	5.45
32 31 23 00-0022 LF 6-1/2' High, 3 Rail, Post And Rail Vinyl Fence.....	25.49	6.54
32 31 23 00-0023 LF 7' High, 4 Rail, Post And Rail Vinyl Fence.....	29.46	7.08
<b>32 31 23 00-0024 Post, Rails And Pickets (Traditional Style) Vinyl Fence</b> <small>(32 31 23 00-0001)</small>		
<small>Note: With top and bottom 3" x 3" rails, 5" x 5" posts and 1-1/2" x 1-1/2" pickets. Post includes flat cap.</small>		
32 31 23 00-0025 LF 3' High Rail And Picket Vinyl Fence, 72' On Center Posts.....	65.81	5.99
32 31 23 00-0026 LF 4' High Rail And Picket Vinyl Fence, 72' On Center Posts.....	71.79	7.08
32 31 23 00-0027 LF 3' High Rail And Picket Vinyl Fence, 96' On Center Posts.....	62.12	5.45
32 31 23 00-0028 LF 4' High Rail And Picket Vinyl Fence, 96' On Center Posts.....	67.45	6.54
<b>32 31 23 00-0029 Vinyl Gates</b> <small>(32 31 23)</small>		
<b>32 31 23 00-0030 Gates For Privacy And Semi-Privacy Fences</b> <small>(32 31 23 00-0029)</small>		
<small>Note: Includes hinges.</small>		
<b>32 31 23 00-0031 3' High Gates For Privacy And Semi-Privacy Fences</b> <small>(32 31 23 00-0030)</small>		
32 31 23 00-0032 EA 3' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	608.46	54.48
<i>For Self-Closing Hinge Set, Add</i>		14.50
<i>For Self-Closing Stainless Steel Hinge Set, Add</i>		38.50
32 31 23 00-0033 EA 3' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	645.76	57.21
<i>For Self-Closing Hinge Set, Add</i>		14.50
<i>For Self-Closing Stainless Steel Hinge Set, Add</i>		38.50
32 31 23 00-0034 EA 3' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	709.12	59.93
<i>For Self-Closing Hinge Set, Add</i>		14.50
<i>For Self-Closing Stainless Steel Hinge Set, Add</i>		38.50
32 31 23 00-0035 EA 3' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	795.65	62.66
<i>For Self-Closing Hinge Set, Add</i>		14.50
<i>For Self-Closing Stainless Steel Hinge Set, Add</i>		38.50
<b>32 31 23 00-0036 4' High Gates For Privacy And Semi-Privacy Fences</b> <small>(32 31 23 00-0030)</small>		
32 31 23 00-0037 EA 4' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	645.76	57.21
<i>For Self-Closing Hinge Set, Add</i>		14.50
<i>For Self-Closing Stainless Steel Hinge Set, Add</i>		38.50
32 31 23 00-0038 EA 4' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	668.59	59.93
<i>For Self-Closing Hinge Set, Add</i>		14.50
<i>For Self-Closing Stainless Steel Hinge Set, Add</i>		38.50
32 31 23 00-0039 EA 4' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	743.53	62.66
<i>For Self-Closing Hinge Set, Add</i>		14.50
<i>For Self-Closing Stainless Steel Hinge Set, Add</i>		38.50
32 31 23 00-0040 EA 4' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	873.49	65.38
<i>For Self-Closing Hinge Set, Add</i>		14.50
<i>For Self-Closing Stainless Steel Hinge Set, Add</i>		38.50
<b>32 31 23 00-0041 5' High Gates For Privacy And Semi-Privacy Fences</b> <small>(32 31 23 00-0030)</small>		
32 31 23 00-0042 EA 5' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	668.59	59.93
<i>For Self-Closing Hinge Set, Add</i>		14.50
<i>For Self-Closing Stainless Steel Hinge Set, Add</i>		38.50
32 31 23 00-0043 EA 5' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	697.20	62.66
<i>For Self-Closing Hinge Set, Add</i>		14.50
<i>For Self-Closing Stainless Steel Hinge Set, Add</i>		38.50
32 31 23 00-0044 EA 5' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	801.10	65.38
<i>For Self-Closing Hinge Set, Add</i>		14.50
<i>For Self-Closing Stainless Steel Hinge Set, Add</i>		38.50
32 31 23 00-0045 EA 5' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	936.85	68.11
<i>For Self-Closing Hinge Set, Add</i>		14.50
<i>For Self-Closing Stainless Steel Hinge Set, Add</i>		38.50
<b>32 31 23 00-0046 6' High Gates For Privacy And Semi-Privacy Fences</b> <small>(32 31 23 00-0030)</small>		
32 31 23 00-0047 EA 6' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	702.65	65.38
<i>For Self-Closing Hinge Set, Add</i>		14.50
<i>For Self-Closing Stainless Steel Hinge Set, Add</i>		38.50

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0048 EA 6' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	731.27	68.11
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0049 EA 6' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	884.39	70.83
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0050 EA 6' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	976.71	70.83
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0051 Gates For Picket Fences (32 31 23 00-0029)</b>		
Note: Includes hinges.		
<b>32 31 23 00-0052 3' High Gates For Picket Fences (32 31 23 00-0051)</b>		
32 31 23 00-0053 EA 3' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	582.40	54.48
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0054 EA 3' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	605.22	57.21
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0055 EA 3' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	680.17	59.93
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0056 EA 3' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	810.13	62.66
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0057 4' High Gates For Picket Fences (32 31 23 00-0051)</b>		
32 31 23 00-0058 EA 4' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	587.85	57.21
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0059 EA 4' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	610.67	59.93
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0060 EA 4' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	685.62	62.66
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0061 EA 4' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	815.58	65.38
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0062 5' High Gates For Picket Fences (32 31 23 00-0051)</b>		
32 31 23 00-0063 EA 5' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	610.67	59.93
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0064 EA 5' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	639.29	62.66
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0065 EA 5' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	743.19	65.38
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0066 EA 5' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	878.94	68.11
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0067 6' High Gates For Picket Fences (32 31 23 00-0051)</b>		
32 31 23 00-0068 EA 6' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	644.74	65.38
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0069 EA 6' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	673.35	68.11
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0070 EA 6' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	826.48	70.83
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0071 EA 6' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	918.80	73.56
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0072 Gates Accessories (32 31 23 00-0029)</b>		
32 31 23 00-0073 EA Gate Stop/Drop Rod .....	131.47	
32 31 23 00-0074 EA Latch Set.....	89.49	
32 31 23 00-0075 EA Stainless Steel Latch Set.....	131.47	
<b>32 31 26 Wire Fences and Gates (32 31)</b>		
<b>32 31 26 13 Wire Fences with Steel Posts (32 31 26)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 31 26 13-0001</b> <b>Chicken Wire</b> <small>(32 31 26 13)</small> Note: Posts at 4'.		
32 31 26 13-0002    LF    4' High, 1" Mesh, Chicken Wire Fence, Metal Posts At 4'.....	7.94	1.60
32 31 26 13-0003    LF    6' High, 2" Mesh, Chicken Wire Fence, Metal Posts At 4'.....	8.58	1.60
<b>32 31 26 13-0004</b> <b>Wire And Screen</b> <small>(32 31 26 13)</small>		
<b>32 31 26 13-0005</b> <b>Wire And Screen For Partitions And Fences</b> <small>(32 31 26 13-0004)</small> Note: Excludes framing and post.		
<b>32 31 26 13-0006</b> <b>Screen Wire</b> <small>(32 31 26 13-0005)</small>		
32 31 26 13-0007    LF    Screen Wire, 48" Wide Rolls.....	12.76	1.10
<b>32 31 26 13-0008</b> <b>Hog Wire</b> <small>(32 31 26 13-0005)</small>		
32 31 26 13-0009    SF    4" x 4" Hog Wire For Fencing.....	2.24	0.87
32 31 26 13-0010    SF    6" x 6" Hog Wire For Fencing.....	2.35	0.99
<b>32 31 26 13-0011</b> <b>Non-Climb Horse Fence</b> <small>(32 31 26 13-0005)</small>		
32 31 26 13-0012    LF    4' Non-Climb Woven, 12.5 Gauge, Horse Fence.....	10.33	3.52
32 31 26 13-0013    LF    5' Non-Climb Woven, 12.5 Gauge, Horse Fence.....	13.28	4.39
32 31 26 13-0014    LF    6' Non-Climb Woven, 12.5 Gauge, Horse Fence.....	16.71	5.27
<b>32 31 26 13-0015</b> <b>Screen For Partitions And Ceilings</b> <small>(32 31 26 13-0004)</small> Note: Can be used to support insulation on walls and ceilings.		
32 31 26 13-0016    SF    1" Mesh Chicken Wire.....	2.14	0.62
<b>32 31 26 13-0017</b> <b>Wicket Fence</b> <small>(32 31 26 13)</small>		
32 31 26 13-0018    LF    Steel Wicket Fence, Painted.....	74.69	5.04
<b>32 31 29</b> <b>Wood Fences and Gates</b> <small>(32 31)</small> See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
<b>32 31 29 00-0001</b> <b>Basket Weave</b> <small>(32 31 29)</small> Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002    LF    6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post.....	39.09	3.19
For Fastening With Screws Instead Of Nails, Add	2.29	
32 31 29 00-0003    LF    6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post.....	25.70	3.19
For Fastening With Screws Instead Of Nails, Add	1.64	
<b>32 31 29 00-0004</b> <b>Board Fence</b> <small>(32 31 29)</small> Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005    LF    Two 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated Board Fence.....	25.13	3.19
For 1" x 6" Boards, Deduct	-2.62	
For 1" x 3" Boards (Stockade Top), Add	3.25	
For Fastening With Screws Instead Of Nails, Add	1.62	
32 31 29 00-0006    LF    Two 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated Board Fence.....	27.97	3.19
For 1" x 6" Boards, Deduct	-2.85	
For 1" x 3" Boards (Stockade Top), Add	3.52	
For Fastening With Screws Instead Of Nails, Add	1.79	
32 31 29 00-0007    LF    Three 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated Board Fence.....	31.27	3.19
For 1" x 6" Boards, Deduct	-3.05	
For 1" x 3" Boards (Stockade Top), Add	3.72	
For Fastening With Screws Instead Of Nails, Add	1.97	
32 31 29 00-0008    LF    Three 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated Board Fence.....	33.41	3.19
For 1" x 6" Boards, Deduct	-3.21	
For 1" x 3" Boards (Stockade Top), Add	3.90	
For Fastening With Screws Instead Of Nails, Add	2.10	
32 31 29 00-0009    LF    Three 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated Board Fence.....	35.72	3.19
For 1" x 6" Boards, Deduct	-3.38	
For 1" x 3" Boards (Stockade Top), Add	4.08	
For Fastening With Screws Instead Of Nails, Add	2.23	
32 31 29 00-0010    LF    Two 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar Board Fence.....	26.89	3.19
For 1" x 6" Boards, Deduct	-2.69	
For 1" x 3" Boards (Stockade Top), Add	3.31	
For Fastening With Screws Instead Of Nails, Add	1.71	
32 31 29 00-0011    LF    Two 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar Board Fence.....	29.33	3.19
For 1" x 6" Boards, Deduct	-2.91	
For 1" x 3" Boards (Stockade Top), Add	3.56	
For Fastening With Screws Instead Of Nails, Add	1.86	
32 31 29 00-0012    LF    Three 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar Board Fence.....	31.27	3.19
For 1" x 6" Boards, Deduct	-3.05	
For 1" x 3" Boards (Stockade Top), Add	3.72	
For Fastening With Screws Instead Of Nails, Add	1.97	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0013	LF		Three 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar Board Fence..... <i>For 1" x 6" Boards, Deduct</i>	33.41 -3.21	3.19
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.90	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	2.10	
32 31 29 00-0014	LF		Three 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar Board Fence..... <i>For 1" x 6" Boards, Deduct</i>	35.72 -3.38	3.19
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.08	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	2.23	
32 31 29 00-0015	LF		Two 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar Board Fence..... <i>For 1" x 6" Boards, Deduct</i>	26.89 -2.69	3.19
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.31	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.71	
32 31 29 00-0016	LF		Two 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar Board Fence..... <i>For 1" x 6" Boards, Deduct</i>	35.33 -3.15	3.19
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.74	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	2.16	
32 31 29 00-0017	LF		Three 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar Board Fence..... <i>For 1" x 6" Boards, Deduct</i>	37.03 -3.28	3.19
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.90	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	2.26	
32 31 29 00-0018	LF		Three 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar Board Fence..... <i>For 1" x 6" Boards, Deduct</i>	39.85 -3.47	3.19
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.09	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	2.42	
32 31 29 00-0019	LF		Three 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar Board Fence..... <i>For 1" x 6" Boards, Deduct</i>	42.90 -3.66	3.19
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.30	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	2.59	
32 31 29 00-0020			<b>Shadow Box</b> <small>(32 31 29)</small> Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0021	LF		Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine..... <i>For Fastening With Screws Instead Of Nails, Add</i>	54.38 3.05	3.19
32 31 29 00-0022	LF		Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar..... <i>For Fastening With Screws Instead Of Nails, Add</i>	68.36 3.81	3.19
32 31 29 00-0023	LF		Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar..... <i>For Fastening With Screws Instead Of Nails, Add</i>	74.50 4.13	3.19
32 31 29 00-0024	LF		Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar..... <i>For Fastening With Screws Instead Of Nails, Add</i>	80.06 4.44	3.19
32 31 29 00-0025			<b>Open Rail Fence</b> <small>(32 31 29)</small>		
32 31 29 00-0026			<b>Post And Rail Fence, Ranch Style</b> <small>(32 31 29 00-0025)</small>		
32 31 29 00-0027	LF		Post And Rail Fence, 2 Rails, 3' High #1 Cedar.....	25.18	3.19
32 31 29 00-0028	LF		Post And Rail Fence, 2 Rails, 3' High #2 Cedar.....	19.59	3.19
32 31 29 00-0029	LF		Post And Rail Fence, 3 Rails, 4' High #1 Cedar.....	29.87	3.19
32 31 29 00-0030	LF		Post And Rail Fence, 3 Rails, 4' High #2 Cedar.....	21.17	3.19
32 31 29 00-0031			<b>Split Rail Fence</b> <small>(32 31 29 00-0025)</small>		
32 31 29 00-0032	LF		Split Rail Fence, 2 Rails, 3' High #1 Cedar.....	23.74	3.19
32 31 29 00-0033	LF		Split Rail Fence, 2 Rails, 3' High #2 Cedar.....	19.53	3.19
32 31 29 00-0034	LF		Split Rail Fence, 3 Rail, 4' High #1 Cedar.....	27.13	3.19
32 31 29 00-0035	LF		Split Rail Fence, 3 Rail, 4' High #2 Cedar.....	21.98	3.19
32 31 29 00-0036			<b>Picket Fence</b> <small>(32 31 29)</small>		
32 31 29 00-0037	LF		Picket Fence, 2 Rail, 3' High, Pressure Treated..... <i>For Fastening With Screws Instead Of Nails, Add</i>	26.40 1.70	3.19
32 31 29 00-0038	LF		Picket Fence, 2 Rail, 3' High #1 Cedar..... <i>For Fastening With Screws Instead Of Nails, Add</i>	24.81 1.62	3.19
32 31 29 00-0039			<b>Wood Fence Post Accessories</b> <small>(32 31 29)</small>		
32 31 29 00-0040	EA		3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	42.54	
32 31 29 00-0041	EA		4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	47.97	
32 31 29 00-0042	EA		6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	52.15	
32 31 29 00-0043	EA		8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	78.05	
32 31 29 00-0044			<b>Wood Gate</b> <small>(32 31 29)</small>		
32 31 29 00-0045			<b>Board Fence Gates, Pressure Treated Wood</b> <small>(32 31 29 00-0044)</small> Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0046	EA		3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	405.58	126.58
32 31 29 00-0047	EA		3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	448.22	134.18
32 31 29 00-0048	EA		3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	500.96	146.84
32 31 29 00-0049	EA		3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	567.97	154.43
32 31 29 00-0050	EA		3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	634.99	162.03
32 31 29 00-0051	EA		>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	517.07	167.09





	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0052	EA	>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	562.75	174.68
32 31 29 00-0053	EA	>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	608.43	182.28
32 31 29 00-0054	EA	>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	684.58	189.87
32 31 29 00-0055	EA	>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	745.50	197.47
<b>32 31 29 00-0056</b>		<b>Board Fence Gates, Grade 2 Cedar</b> <small>(32 31 29 00-0044)</small> Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0057	EA	3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	610.92	99.70
32 31 29 00-0058	EA	3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	632.04	105.68
32 31 29 00-0059	EA	3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	664.17	115.64
32 31 29 00-0060	EA	3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	700.52	121.63
32 31 29 00-0061	EA	3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	746.01	127.62
32 31 29 00-0062	EA	>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	720.46	131.60
32 31 29 00-0063	EA	>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	747.67	137.58
32 31 29 00-0064	EA	>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	790.12	143.56
32 31 29 00-0065	EA	>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	832.56	149.54
32 31 29 00-0066	EA	>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	875.00	155.53
<b>32 31 29 00-0067</b>		<b>Board Fence Gates, Grade 1 Cedar</b> <small>(32 31 29 00-0044)</small> Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0068	EA	3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	656.65	99.70
32 31 29 00-0069	EA	3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	683.86	105.68
32 31 29 00-0070	EA	3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	719.04	115.64
32 31 29 00-0071	EA	3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	761.49	121.63
32 31 29 00-0072	EA	3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	803.93	127.62
32 31 29 00-0073	EA	>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	781.43	131.60
32 31 29 00-0074	EA	>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	808.64	137.58
32 31 29 00-0075	EA	>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	851.08	143.56
32 31 29 00-0076	EA	>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	893.53	149.54
32 31 29 00-0077	EA	>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	951.21	155.53
<b>32 31 29 00-0078</b>		<b>Pressure Treated Wood Fence Posts</b> <small>(32 31 29)</small> See CSI section 32 31 13 13-0001 for drilling augering, 32 31 56 00-0017 for barbed wire.		
32 31 29 00-0079	EA	4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill .....	38.64	12.66
32 31 29 00-0080	EA	6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill .....	43.46	12.66
32 31 29 00-0081	EA	4' High, Pressure Treated Wood Fence Posts, Set In Concrete .....	68.11	24.30
32 31 29 00-0082	EA	6' High, Pressure Treated Wood Fence Posts, Set In Concrete .....	73.60	24.30
<b>32 31 29 00-0083</b>		<b>Wood Utility Pole Fence</b> <small>(32 31 29)</small> Note: Excludes post holes. See CSI section 32 31 13 13-0001 for drilling augering and backfill.		
32 31 29 00-0084	LF	Wood Utility Pole Barrier Fence .....	49.42	3.19
		Note: Includes notching post, drilling and pinned with #5 rebar.		
<b>32 31 29 00-0085</b>		<b>Wood Rail Fence</b> <small>(32 31 29)</small> Note: 3" diameter treated lodgepole pine rails, 6" diameter treated lodgepole pine post. Posts at 8' centers. Excludes post holes and fill		
32 31 29 00-0086	LF	4' Above Ground Wood Rail Fence, 3 - 3" Diameter Treated Lodgepole Pine Rails, 6" Diameter, 6' Overall Treated Lodgepole Pine Post .....	25.59	3.19
<b>32 31 34</b>		<b>Tubular Barrier Gates</b> <small>(32 31)</small>		
<b>32 31 34 00-0001</b>		<b>Tube Gate</b> <small>(32 31 34)</small> See CSI section 32 31 13 13-0001 for augering post holes and concrete fill, 32 31 13 13-0630 for gate accessories.		
<b>32 31 34 00-0002</b>		<b>50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate</b> <small>(32 31 34 00-0001)</small> Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering, concrete, bollard and chain.		
32 31 34 00-0003	EA	4' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate .....	192.71	24.71
		For 13 Gauge Tubing, Add	31.22	
		For Galvanized Finish, Add	17.92	
32 31 34 00-0004	EA	6' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate .....	250.44	32.03
		For 13 Gauge Tubing, Add	40.48	
		For Galvanized Finish, Add	23.15	
32 31 34 00-0005	EA	8' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate .....	338.12	41.18
		For 13 Gauge Tubing, Add	55.27	
		For Galvanized Finish, Add	32.19	
32 31 34 00-0006	EA	10' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate .....	389.52	51.25
		For 13 Gauge Tubing, Add	62.35	
		For Galvanized Finish, Add	35.09	
32 31 34 00-0007	EA	12' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate .....	462.15	60.96
		For 13 Gauge Tubing, Add	74.13	
		For Galvanized Finish, Add	41.87	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 34 00-0008 EA 14' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate.....	504.39	68.64
For 13 Gauge Tubing, Add	80.29	
For Galvanized Finish, Add	44.77	
32 31 34 00-0009 EA 16' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate.....	592.36	79.17
For 13 Gauge Tubing, Add	94.68	
For Galvanized Finish, Add	53.16	
<b>32 31 34 00-0010 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate</b> (32 31 34 00-0001)		
Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.		
32 31 34 00-0011 EA 4' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	252.59	24.71
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	71.75	
32 31 34 00-0012 EA 6' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	301.96	32.03
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	82.34	
32 31 34 00-0013 EA 8' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	360.54	41.18
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	94.80	
32 31 34 00-0014 EA 10' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	415.05	51.25
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	103.78	
32 31 34 00-0015 EA 12' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	470.51	60.96
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	114.98	
32 31 34 00-0016 EA 14' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	521.13	68.64
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	126.08	
32 31 34 00-0017 EA 16' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	581.87	79.17
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	137.56	
32 31 34 00-0018 EA 18' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	668.67	89.10
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	159.47	
32 31 34 00-0019 EA 20' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	745.80	99.66
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	188.49	
<b>32 31 34 00-0020 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate</b> (32 31 34 00-0001)		
Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.		
32 31 34 00-0021 EA 4' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	273.61	24.71
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	80.16	
32 31 34 00-0022 EA 6' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	322.62	32.03
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	90.61	
32 31 34 00-0023 EA 8' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	374.55	41.18
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	100.40	
32 31 34 00-0024 EA 10' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	435.48	51.25
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	111.96	
32 31 34 00-0025 EA 12' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	485.28	60.96
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	120.89	
32 31 34 00-0026 EA 14' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	555.61	68.64
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	139.87	
32 31 34 00-0027 EA 16' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	619.31	79.17
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	152.54	
32 31 34 00-0028 EA 18' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	725.80	89.10
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	182.32	
32 31 34 00-0029 EA 20' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	797.17	99.66
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	209.04	
<b>32 31 34 00-0030 Tubular Steel Barrier Gate (Triangular Shape)</b> (32 31 34 00-0001)		
Note: Includes posts, caps, welded hinges and lock keeper. Excludes augering, concrete, and bollards.		
32 31 34 00-0031 EA 4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post.....	1,918.05	51.25
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	622.99	
32 31 34 00-0032 EA 4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post.....	2,083.24	60.96
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	668.46	
32 31 34 00-0033 EA 4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post.....	2,462.24	68.64
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	801.76	
32 31 34 00-0034 EA 4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post.....	1,999.56	51.25
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	655.32	
32 31 34 00-0035 EA 4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post.....	2,176.42	60.96
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	705.42	
32 31 34 00-0036 EA 4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post.....	2,555.41	68.64
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	838.71	
<b>32 31 34 00-0037 Four Rail Tube Gate, 1-1/2" Diameter Welded Galvanized Steel Tubing</b> (32 31 34 00-0001)		
Note: Excludes augering holes and concrete.		
32 31 34 00-0038 EA 4' Four Rail Metal Frame Tube Gate, 1-1/2" Diameter Welded Galvanized Steel With Posts.....	426.76	24.71
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	38.91	
<b>32 31 34 00-0039 Tubular Horse Gate</b> (32 31 34 00-0001)		
Note: Includes posts, caps and hardware. Treated with Natina (or Equal) galvanized surface stain "rustic brown finish". Excludes augering holes and concrete.		
32 31 34 00-0040 EA 5-1/2' Above Ground, 5' Wide Tubular Galvanized Steel Horse Gate With 3" Diameter Posts.....	3,515.72	24.71
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	1,058.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 31 34 00-0041</b> <b>Pipe Gate</b> <small>(32 31 34)</small>		
Note: Excludes augering and concrete. See CSI section 32 31 13 13-0001 for augering post holes and concrete fill.		
32 31 34 00-0042    EA    20' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier) .....	3,933.66	
32 31 34 00-0043    EA    25' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier) .....	4,923.52	
32 31 34 00-0044    EA    30' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier) .....	5,869.95	
 <b>32 31 41    Precast Concrete Fences</b> <small>(32 31)</small>		
<b>32 31 41 00-0001</b> <b>Precast Post And Rail Fence, Ranch Style, With Integral Color Concrete.</b> <small>(32 31 41)</small>		
Note: Includes post holes, fill, spreading of excess material on site. See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 41 00-0002    LF    Precast Post And Rail Fence With Integral Color Concrete, 2 Rails, 3' Above Ground With 2' Bury .....	64.19	3.19
Note: Includes 12" diameter holes with concrete fill for line posts and 18" diameter holes with concrete fill at corners.		
 <b>32 31 56    Wild Life Deterrent Fence</b> <small>(32 31)</small>		
<b>32 31 56 00-0001</b> <b>Barbed Wire Fences</b> <small>(32 31 56)</small>		
Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
<b>32 31 56 00-0002</b> <b>Fence Posts</b> <small>(32 31 56 00-0001)</small>		
<b>32 31 56 00-0003</b> <b>Fence Post Soil, Set In Concrete</b> <small>(32 31 56 00-0002)</small>		
32 31 56 00-0004    EA    Barbed Wire Fence Post, Galvanized Set In Concrete In Soil .....	101.12	7.32
For Bracing On Corner Post, End Post And Pull Post, Add		163.68
32 31 56 00-0005    EA    Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil .....	137.85	7.32
For Bracing On Corner Post, End Post And Pull Post, Add		225.02
 <b>32 31 56 00-0006</b> <b>Post In Rock</b> <small>(32 31 56 00-0002)</small>		
32 31 56 00-0007    EA    Barbed Wire Fence Post, Galvanized Grouted In Rock .....	99.51	7.32
For Bracing On Corner Post, End Post And Pull Post, Add		161.27
32 31 56 00-0008    EA    Barbed Wire Fence Post, Vinyl Coated Grouted In Rock .....	136.24	7.32
For Bracing On Corner Post, End Post And Pull Post, Add		222.61
 <b>32 31 56 00-0009</b> <b>Studded Steel T-Posts, Enamel Paint Finish</b> <small>(32 31 56 00-0001)</small>		
Note: Posts for barb wire, chain link or welded wire mesh.		
32 31 56 00-0010    EA    5' Studded Steel T-Post, Driven Into Earth .....	24.06	
32 31 56 00-0011    EA    5'-6" Studded Steel T-Post, Driven Into Earth .....	24.64	
32 31 56 00-0012    EA    6' Studded Steel T-Post, Driven Into Earth .....	25.82	
32 31 56 00-0013    EA    6'-6" Studded Steel T-Post, Driven Into Earth .....	26.99	
32 31 56 00-0014    EA    7' Studded Steel T-Post, Driven Into Earth .....	28.56	
32 31 56 00-0015    EA    8' Studded Steel T-Post, Driven Into Earth .....	32.28	
32 31 56 00-0016    EA    10' Studded Steel T-Post, Driven Into Earth .....	39.71	
 <b>32 31 56 00-0017</b> <b>Barbed Wire</b> <small>(32 31 56 00-0001)</small>		
Note: Per strand.		
32 31 56 00-0018    LF    Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand .....	0.82	0.37
32 31 56 00-0019    LF    Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand .....	0.97	0.37
 <b>32 31 56 00-0020</b> <b>Barbed Wire Fence, Farm Style, With Wood Posts</b> <small>(32 31 56 00-0001)</small>		
Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.		
32 31 56 00-0021    LF    4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts .....	10.74	2.38
Note: Posts at 10' maximum.		
 <b>32 32    Retaining Walls</b> <small>(32 30)</small>		
<b>32 32 13    Cast-In-Place Concrete Retaining Wall</b> <small>(32 32)</small>		
Note: System includes all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.		
32 32 13 00-0001    LF    4' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall .....	353.73	127.27
For >3:1 Sloped Soil At Top, Add		8.44
32 32 13 00-0002    LF    6' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall .....	441.50	156.60
For >3:1 Sloped Soil At Top, Add		10.90
32 32 13 00-0003    LF    8' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall .....	481.12	168.92
For >3:1 Sloped Soil At Top, Add		12.18
32 32 13 00-0004    LF    10' High With Base, 13" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall .....	613.61	208.87
For >3:1 Sloped Soil At Top, Add		16.66
32 32 13 00-0005    LF    12' High With Base, 14" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall .....	707.26	239.91
For >3:1 Sloped Soil At Top, Add		19.32
32 32 13 00-0006    LF    16' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall .....	1,022.60	351.96
For >3:1 Sloped Soil At Top, Add		27.10
32 32 13 00-0007    LF    20' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall .....	1,403.49	485.90
For >3:1 Sloped Soil At Top, Add		36.69
32 32 13 00-0008    LF    4' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall .....	388.83	138.99
For >3:1 Sloped Soil At Top, Add		9.42

**32 Exterior Improvements****32 30 Site Improvements****32 32 Retaining Walls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 13 00-0009	LF		6' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall .....	476.24	167.47
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	12.02	
32 32 13 00-0010	LF		8' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall .....	504.57	174.74
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	13.18	
32 32 13 00-0011	LF		10' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall .....	694.84	234.18
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	19.24	
32 32 13 00-0012	LF		12' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall .....	880.58	300.81
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	23.71	
32 32 13 00-0013	LF		16' High With Base, 21" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall .....	1,319.86	455.96
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	34.68	
32 32 13 00-0014	LF		20' High With Base, 24" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall .....	1,862.71	643.62
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	48.91	
<b>32 32 16 Precast Concrete Retaining Walls (32 32)</b>					
32 32 16 00-0001			<b>Precast Retaining Walls (32 32 16)</b> Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.		
32 32 16 00-0002	SF		10-15' High, Tied-back, Precast Concrete Retaining Walls.....	89.11	12.58
32 32 16 00-0003	SF		16-20' High, Tied-back, Precast Concrete Retaining Walls.....	91.64	10.10
32 32 16 00-0004	SF		21-25' High, Tied-back, Precast Concrete Retaining Walls.....	95.13	8.42
32 32 16 00-0005	SF		26-30' High, Tied-back, Precast Concrete Retaining Walls.....	102.90	8.42
32 32 16 00-0006	SF		>30' High, Tied-back, Precast Concrete Retaining Walls.....	108.93	7.19
<b>32 32 23 Segmental Retaining Walls (32 32)</b>					
<b>32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls (32 32 23)</b>					
32 32 23 13-0001			<b>Modular Retaining Wall Systems (32 32 23 13)</b> Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.		
32 32 23 13-0002			<b>"Amastone" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>		
32 32 23 13-0003	SF		Up To 4' Height "Amastone" Type Modular Retaining Wall System.....	56.84	7.96
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.48	
32 32 23 13-0004	SF		4 To 8' Height "Amastone" Type Modular Retaining Wall System .....	59.96	8.38
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.67	
32 32 23 13-0005	SF		8 To 12' Height "Amastone" Type Modular Retaining Wall System .....	62.62	9.22
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.76	
32 32 23 13-0006	SF		12 To 16' Height "Amastone" Type Modular Retaining Wall System .....	65.41	10.06
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.85	
32 32 23 13-0007			<b>"Diamond" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>		
32 32 23 13-0008	SF		Up To 4' Height "Diamond" Type Modular Retaining Wall System .....	58.97	7.96
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.66	
32 32 23 13-0009	SF		4 To 8' Height "Diamond" Type Modular Retaining Wall System .....	62.10	8.38
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.85	
32 32 23 13-0010	SF		8 To 12' Height "Diamond" Type Modular Retaining Wall System .....	64.76	9.22
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.94	
32 32 23 13-0011	SF		12 To 16' Height "Diamond" Type Modular Retaining Wall System .....	67.55	10.06
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.03	
32 32 23 13-0012			<b>"Keystone" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>		
32 32 23 13-0013	SF		Up To 4' Height "Keystone" Type Modular Retaining Wall System.....	64.08	7.96
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.09	
32 32 23 13-0014	SF		4 To 8' Height "Keystone" Type Modular Retaining Wall System .....	67.21	8.38
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.29	
32 32 23 13-0015	SF		8 To 12' Height "Keystone" Type Modular Retaining Wall System .....	69.87	9.22
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.37	
32 32 23 13-0016	SF		12 To 16' Height "Keystone" Type Modular Retaining Wall System .....	72.66	10.06
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.47	
32 32 23 13-0017			<b>"Criblock" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>		
32 32 23 13-0018	SF		Up To 4' Height "Criblock" Type Modular Retaining Wall System.....	56.84	7.96
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.48	
			<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0019	SF		4 To 8' Height "Criblock" Type Modular Retaining Wall System .....	59.96	8.38
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.67	
			<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0020	SF		8 To 12' Height "Criblock" Type Modular Retaining Wall System .....	62.62	9.22
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.76	
			<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0021	SF		12 To 16' Height "Criblock" Type Modular Retaining Wall System .....	65.41	10.06
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.85	
			<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0022			<b>"Versa-Lok" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 23 13-0023 SF Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	50.35 2.93	7.96
32 32 23 13-0024 SF 4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	55.61 3.30	8.38
32 32 23 13-0025 SF 8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	58.30 3.39	9.22
32 32 23 13-0026 SF 12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	60.70 3.45	10.06
<b>32 32 23 13-0027 Retaining Wall Cap Block Restoration</b> <small>(32 32 23 13-0001)</small> Note: Includes removal of existing cap block and installation of new cap block to match.		
32 32 23 13-0028 LF Removal And Reinstall Retaining Wall Cap Block And Pins..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	31.09 1.60	
<b>32 32 26 Metal Crib Retaining Walls</b> <small>(32 32)</small>		
<b>32 32 26 00-0001 Bin Type Retaining Wall</b> <small>(32 32 26)</small>		
<b>32 32 26 00-0002 Vertical Bin Walls</b> <small>(32 32 26 00-0001)</small> Note: Excludes excavation and backfill.		
32 32 26 00-0003 SF 5.5' Vertical Bin Retaining Wall, Wall Heights To 11' .....	71.38	
32 32 26 00-0004 SF 7.7' Vertical Bin Retaining Wall, Wall Heights, 8.33' To 16.33' .....	84.84	
32 32 26 00-0005 SF 9.9' Vertical Bin Retaining Wall, Wall Heights, 13.67' To 21.67' .....	98.88	
32 32 26 00-0006 SF 12.1' Vertical Bin Retain Wall, Wall Heights 17.67' To 25.67' .....	106.96	
32 32 26 00-0007 SF 14.3' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33' .....	119.41	
32 32 26 00-0008 SF 16.5' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33' .....	127.49	
<b>32 32 26 00-0009 Battered Bin Walls</b> <small>(32 32 26 00-0001)</small> Note: Excludes excavation and backfill.		
32 32 26 00-0010 SF 5.5' Battered Bin Retain Wall, Wall Heights To 11' .....	63.17	
32 32 26 00-0011 SF 7.7' Battered Bin Retain Wall, Wall Heights 8.33' To 16.33' .....	68.55	
32 32 26 00-0012 SF 9.9' Battered Bin Retain Wall, Wall Heights 13.67' To 21.67' .....	77.11	
32 32 26 00-0013 SF 12.1' Battered Bin Retain Wall, Wall Heights 17.67' To 25.67' .....	86.53	
32 32 26 00-0014 SF 14.3' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33' .....	101.27	
32 32 26 00-0015 SF 16.5' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33' .....	103.96	
<b>32 32 26 00-0016 Aluminized Steel Bin</b> <small>(32 32 26)</small> Note: Excludes excavation and backfill.		
32 32 26 00-0017 SF 4' High, 5.5' Deep Aluminized Steel Bin..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	45.52 3.07 -3.61	4.71
32 32 26 00-0018 SF 8' High, 5.5' Deep Aluminized Steel Bin..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	51.09 3.54 -4.16	4.71
32 32 26 00-0019 SF 10' High, 7.7' Deep Aluminized Steel Bin..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	54.55 3.77 -4.43	5.14
32 32 26 00-0020 SF 12' High, 7.7' Deep Aluminized Steel Bin..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	62.15 4.30 -5.06	5.80
32 32 26 00-0021 SF 16' High, 7.7' Deep Aluminized Steel Bin..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	59.76 4.07 -4.78	6.02
32 32 26 00-0022 SF 16' High, 9.9' Deep Aluminized Steel Bin..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	66.75 4.64 -5.46	6.12
32 32 26 00-0023 SF 20' High, 9.9' Deep Aluminized Steel Bin..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	74.10 5.19 -6.11	6.45
32 32 26 00-0024 SF 20' High, 12.1' Deep Aluminized Steel Bin..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	75.86 5.30 -6.24	6.78
32 32 26 00-0025 SF 24' High, 12.1' Deep Aluminized Steel Bin..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	79.88 5.64 -6.63	6.78
32 32 26 00-0026 SF 24' High, 14.3' Deep Aluminized Steel Bin..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	83.89 5.97 -7.02	6.89
32 32 26 00-0027 SF 28' High, 14.3' Deep Aluminized Steel Bin..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	86.71 6.19 -7.28	7.00
<b>32 32 29 Timber Retaining Walls</b> <small>(32 32)</small>		
<b>32 32 29 00-0001 Wood Post Retaining Walls</b> <small>(32 32 29)</small> Note: System includes wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0002 LF 4" x 4", 1' High, Redwood, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	89.74 2.96	27.50

**32 Exterior Improvements****32 30 Site Improvements****32 32 Retaining Walls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0003	LF	4" x 4", 2' High, Redwood, Wood Post Retaining Walls	.....	175.54	53.85
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		5.77	
32 32 29 00-0004	LF	4" x 4", 1' High, Cedar, Wood Post Retaining Walls	.....	85.29	27.50
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		2.58	
32 32 29 00-0005	LF	4" x 4", 2' High, Cedar, Wood Post Retaining Walls	.....	166.89	53.85
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		5.04	
32 32 29 00-0006	LF	4" x 4", 1' High, Pressure Treated Lumber, Wood Post Retaining Walls	.....	79.82	24.02
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		2.69	
32 32 29 00-0007	LF	4" x 4", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls	.....	156.27	47.00
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		5.29	
32 32 29 00-0008	LF	4" x 4", 1' High, Creosoted Lumber, Wood Post Retaining Walls	.....	72.05	21.33
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		2.50	
32 32 29 00-0009	LF	4" x 4", 2' High, Creosoted Lumber, Wood Post Retaining Walls	.....	130.29	38.60
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		4.51	
32 32 29 00-0010	LF	6" x 6", 2' High, Redwood, Wood Post Retaining Walls	.....	244.04	65.24
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		9.66	
32 32 29 00-0011	LF	6" x 6", 4' High, Redwood, Wood Post Retaining Walls	.....	482.81	127.86
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		19.31	
32 32 29 00-0012	LF	6" x 6", 2' High, Cedar, Wood Post Retaining Walls	.....	239.10	65.24
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		9.24	
32 32 29 00-0013	LF	6" x 6", 4' High, Cedar, Wood Post Retaining Walls	.....	470.46	127.86
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		18.26	
32 32 29 00-0014	LF	6" x 6", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls	.....	206.96	52.98
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		8.58	
32 32 29 00-0015	LF	6" x 6", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls	.....	411.20	104.60
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		17.16	
32 32 29 00-0016	LF	6" x 6", 2' High, Creosoted Lumber, Wood Post Retaining Walls	.....	170.00	42.37
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		7.24	
32 32 29 00-0017	LF	6" x 6", 4' High, Creosoted Lumber, Wood Post Retaining Walls	.....	334.93	82.90
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		14.38	
32 32 29 00-0018	LF	8" x 8", 4' High, Redwood, Wood Post Retaining Walls	.....	621.09	141.37
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		28.75	
32 32 29 00-0019	LF	8" x 8", 6' High, Redwood, Wood Post Retaining Walls	.....	1,162.40	263.93
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		53.94	
32 32 29 00-0020	LF	8" x 8", 4' High, Cedar, Wood Post Retaining Walls	.....	596.40	141.37
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		26.66	
32 32 29 00-0021	LF	8" x 8", 6' High, Cedar, Wood Post Retaining Walls	.....	1,115.48	263.93
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		49.95	
32 32 29 00-0022	LF	8" x 8", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls	.....	565.68	163.09
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		20.36	
32 32 29 00-0023	LF	8" x 8", 6' High, Pressure Treated Lumber, Wood Post Retaining Walls	.....	1,055.23	304.56
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		37.92	
32 32 29 00-0024	LF	8" x 8", 4' High, Creosoted Lumber, Wood Post Retaining Walls	.....	467.34	131.82
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		17.32	
32 32 29 00-0025	LF	8" x 8", 6' High, Creosoted Lumber, Wood Post Retaining Walls	.....	866.78	244.53
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		32.11	
32 32 29 00-0026	LF	4' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	.....	170.47	54.33
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		5.25	
32 32 29 00-0027	LF	6' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	.....	254.47	81.54
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		7.77	
32 32 29 00-0028	LF	8' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	.....	338.39	108.66
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		10.29	
32 32 29 00-0029	LF	4' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	.....	121.94	30.69
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		5.14	
32 32 29 00-0030	LF	6' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	.....	177.50	44.29
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		7.56	
32 32 29 00-0031	LF	8' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	.....	240.60	59.83
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		10.29	
<b>32 32 29 00-0032</b>		<b>Post And Board Retaining Walls</b> <small>(32 32 29)</small>			
		Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.			
32 32 29 00-0033	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Redwood, Post And Board Retaining Walls	.....	77.44	16.31
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		3.81	
32 32 29 00-0034	LF	4" x 4" Post, 2' Spacing, 4' High, 2" Planking, Redwood, Post And Board Retaining Walls	.....	116.22	27.89
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		5.14	
32 32 29 00-0035	LF	6" x 6" Post, 4' Spacing, 5' High 2" Planking, Redwood, Post And Board Retaining Walls	.....	154.51	34.64
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		7.24	
32 32 29 00-0036	LF	6" x 6" Post, 3' Spacing, 6' High, 2" Planking, Redwood, Post And Board Retaining Walls	.....	215.44	49.12
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		9.97	
32 32 29 00-0037	LF	6" x 6" With Deadman, 3' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls	.....	282.08	63.88
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		13.12	
32 32 29 00-0038	LF	8" x 8" Post, 2' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls	.....	583.70	126.41
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		28.13	
32 32 29 00-0039	LF	8" x 8" With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood, Post And Board Retaining Walls	.....	662.72	140.02
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		32.53	
32 32 29 00-0040	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Cedar, Post And Board Retaining Walls	.....	78.18	16.99
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		3.76	
32 32 29 00-0041	LF	4" x 4" With Deadman, 2' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls	.....	136.91	30.21
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		6.51	
32 32 29 00-0042	LF	6" x 6" Post, 4' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls	.....	134.57	29.62
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>		6.40	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				32 32 29 00-0043 LF 6" x 6" Post, 3' Spacing, 5' High 2" Planking, Cedar, Post And Board Retaining Walls ..... 187.57		42.56
				For >3:1 Sloped Soil At Top, Add ..... 8.71		
				32 32 29 00-0044 LF 6" x 6" Post, 2' Spacing, 6' High 2" Planking, Cedar, Post And Board Retaining Walls ..... 290.26		67.94
				For >3:1 Sloped Soil At Top, Add ..... 13.12		
				32 32 29 00-0045 LF 6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar ..... 231.55		52.21
				For >3:1 Sloped Soil At Top, Add ..... 10.81		
				32 32 29 00-0046 LF 8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar ..... 604.13		130.47
				For >3:1 Sloped Soil At Top, Add ..... 29.17		
				32 32 29 00-0047 LF 4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated ..... 88.10		31.36
				For >3:1 Sloped Soil At Top, Add ..... 2.15		
				32 32 29 00-0048 LF 4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated ..... 128.32		44.58
				For >3:1 Sloped Soil At Top, Add ..... 3.33		
				32 32 29 00-0049 LF 4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat ..... 190.22		61.18
				For >3:1 Sloped Soil At Top, Add ..... 5.77		
				32 32 29 00-0050 LF 6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated ..... 338.67		103.26
				For >3:1 Sloped Soil At Top, Add ..... 11.23		
				32 32 29 00-0051 LF 6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated ..... 344.84		103.26
				For >3:1 Sloped Soil At Top, Add ..... 11.75		
				32 32 29 00-0052 LF 6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat ..... 321.90		99.21
				For >3:1 Sloped Soil At Top, Add ..... 10.49		
				32 32 29 00-0053 LF 8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated ..... 762.56		228.22
				For >3:1 Sloped Soil At Top, Add ..... 26.03		
				32 32 29 00-0054 LF 4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking ..... 88.10		31.36
				For >3:1 Sloped Soil At Top, Add ..... 2.15		
				32 32 29 00-0055 LF 4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking ..... 128.32		44.58
				For >3:1 Sloped Soil At Top, Add ..... 3.33		
				32 32 29 00-0056 LF 4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking ..... 190.22		61.18
				For >3:1 Sloped Soil At Top, Add ..... 5.77		
				32 32 29 00-0057 LF 6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking ..... 239.87		76.14
				For >3:1 Sloped Soil At Top, Add ..... 7.45		
				32 32 29 00-0058 LF 6" x 6" Post, 2' Spacing, 7' High, 2" Planking, Creosoted, Post And Board Retaining Walls ..... 338.67		103.26
				For >3:1 Sloped Soil At Top, Add ..... 11.23		
				32 32 29 00-0059 LF 6" x 6" Post With Deadman, 3' Spacing, 8' High, 2" Planking, Creosoted, Post And Board Retaining Walls ..... 321.90		99.21
				For >3:1 Sloped Soil At Top, Add ..... 10.49		
				32 32 29 00-0060 LF 8" x 8" Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking, Post And Board Retaining Walls ..... 762.56		228.22
				For >3:1 Sloped Soil At Top, Add ..... 26.03		
				<b>32 32 29 00-0061 Wood Tie Retaining Walls, Rod Connector At 4'</b> <small>(32 32 29)</small>		
				Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.		
				<b>32 32 29 00-0062 Redwood</b> <small>(32 32 29 00-0061)</small>		
				32 32 29 00-0063 LF 2' High, 6" x 6" Wood Tie Wall ..... 126.13		33.39
				For >3:1 Sloped Soil At Top, Add ..... 5.04		
				32 32 29 00-0064 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6' ..... 288.02		76.14
				For >3:1 Sloped Soil At Top, Add ..... 11.54		
				32 32 29 00-0065 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6' ..... 430.86		114.16
				For >3:1 Sloped Soil At Top, Add ..... 17.21		
				32 32 29 00-0066 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6' ..... 430.26		97.85
				For >3:1 Sloped Soil At Top, Add ..... 19.94		
				32 32 29 00-0067 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6' ..... 646.75		146.78
				For >3:1 Sloped Soil At Top, Add ..... 30.01		
				32 32 29 00-0068 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6' ..... 855.13		193.00
				For >3:1 Sloped Soil At Top, Add ..... 39.88		
				<b>32 32 29 00-0069 Cedar</b> <small>(32 32 29 00-0061)</small>		
				32 32 29 00-0070 LF 2' High, 6" x 6" Wood Tie Wall ..... 123.66		33.39
				For >3:1 Sloped Soil At Top, Add ..... 4.83		
				32 32 29 00-0071 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6' ..... 280.61		76.14
				For >3:1 Sloped Soil At Top, Add ..... 10.91		
				32 32 29 00-0072 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6' ..... 420.99		114.16
				For >3:1 Sloped Soil At Top, Add ..... 16.37		
				32 32 29 00-0073 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6' ..... 412.98		97.85
				For >3:1 Sloped Soil At Top, Add ..... 18.47		
				32 32 29 00-0074 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6' ..... 622.06		146.78
				For >3:1 Sloped Soil At Top, Add ..... 27.92		
				32 32 29 00-0075 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6' ..... 820.56		193.00
				For >3:1 Sloped Soil At Top, Add ..... 36.94		
				<b>32 32 29 00-0076 Creosoted Wood</b> <small>(32 32 29 00-0061)</small>		
				32 32 29 00-0077 LF 2' High, 6" x 8" Wood Tie Wall ..... 130.71		44.29
				For >3:1 Sloped Soil At Top, Add ..... 3.58		
				32 32 29 00-0078 LF 4' High, 6" x 8" Wood Tie Wall Deadman At 6' ..... 298.95		101.90
				For >3:1 Sloped Soil At Top, Add ..... 8.08		
				32 32 29 00-0079 LF 6' High, 6" x 8" Wood Tie Wall Deadman At 6' ..... 443.66		150.84
				For >3:1 Sloped Soil At Top, Add ..... 12.07		
				32 32 29 00-0080 LF 4' High, 7" x 9" Wood Tie Wall Deadman At 6' ..... 600.53		205.16
				For >3:1 Sloped Soil At Top, Add ..... 16.16		
				32 32 29 00-0081 LF 6' High, 7" x 9" Wood Tie Wall Deadman At 6' ..... 874.27		298.87
				For >3:1 Sloped Soil At Top, Add ..... 23.51		

**32 Exterior Improvements****32 30 Site Improvements****32 32 Retaining Walls**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0082 LF 8' High, 7" x 9" Wood Tie Wall Deadman At 6'..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,160.43 31.27	396.24
<b>32 32 29 00-0083 Pressure Treated Wood</b> <small>(32 32 29 00-0061)</small>		
32 32 29 00-0084 LF 2' High, 6" x 6" Wood Tie Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	110.87 4.73	27.59
32 32 29 00-0085 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	252.21 10.81	62.53
32 32 29 00-0086 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	377.68 16.16	93.80
32 32 29 00-0087 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	399.62 14.80	112.81
32 32 29 00-0088 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	601.30 22.46	168.59
32 32 29 00-0089 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	796.46 29.59	224.17
<b>32 32 53 Stone Retaining Walls</b> <small>(32 32)</small>		
<b>32 32 53 00-0001 Stone Retaining Walls</b> <small>(32 32 53)</small> Note: Construction is either dry set or mortar set. System includes concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.		
<b>32 32 53 00-0002 Stone Retaining Walls</b> <small>(32 32 53 00-0001)</small> Note: Stone at \$16.00/ton.		
32 32 53 00-0003 LF \$16.00/ton 3' High Stone Retaining Wall, Dry Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	426.32 4.16	188.65
32 32 53 00-0004 LF \$16.00/ton 4' High Stone Retaining Wall, Dry Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	502.41 4.55	224.43
32 32 53 00-0005 LF \$16.00/ton 6' High Stone Retaining Wall, Dry Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	658.94 5.32	298.18
32 32 53 00-0006 LF \$16.00/ton 8' High Stone Retaining Wall, Dry Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,013.31 6.87	466.21
32 32 53 00-0007 LF \$16.00/ton 10' High Stone Retaining Wall, Dry Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,315.38 8.13	609.86
32 32 53 00-0008 LF \$16.00/ton 12' High Stone Retaining Wall, Dry Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,631.65 9.58	759.46
32 32 53 00-0009 LF \$16.00/ton 3' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	382.99 4.16	167.03
32 32 53 00-0010 LF \$16.00/ton 4' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	448.78 4.55	197.62
32 32 53 00-0011 LF \$16.00/ton 6' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	579.76 5.32	258.54
32 32 53 00-0012 LF \$16.00/ton 8' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	885.88 6.87	402.52
32 32 53 00-0013 LF \$16.00/ton 10' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,136.62 8.13	520.53
32 32 53 00-0014 LF \$16.00/ton 12' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,411.15 9.58	649.25
<b>32 32 53 00-0015 Stone Retaining Walls</b> <small>(32 32 53 00-0001)</small> Note: Stone at \$32.00/ton.		
32 32 53 00-0016 LF \$32.00/ton 3' High Stone Retaining Wall, Dry Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	441.11 5.42	188.65
32 32 53 00-0017 LF \$32.00/ton 4' High Stone Retaining Wall, Dry Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	522.90 6.29	224.43
32 32 53 00-0018 LF \$32.00/ton 6' High Stone Retaining Wall, Dry Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	688.54 7.84	298.18
32 32 53 00-0019 LF \$32.00/ton 8' High Stone Retaining Wall, Dry Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,056.56 10.55	466.21
32 32 53 00-0020 LF \$32.00/ton 10' High Stone Retaining Wall, Dry Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,374.57 13.16	609.86
32 32 53 00-0021 LF \$32.00/ton 12' High Stone Retaining Wall, Dry Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,706.77 15.96	759.46
32 32 53 00-0022 LF \$32.00/ton 3' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	397.78 5.42	167.03
32 32 53 00-0023 LF \$32.00/ton 4' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	469.27 6.29	197.62
32 32 53 00-0024 LF \$32.00/ton 6' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	609.36 7.84	258.54
32 32 53 00-0025 LF \$32.00/ton 8' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	929.13 10.55	402.52
32 32 53 00-0026 LF \$32.00/ton 10' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,195.81 13.16	520.53
32 32 53 00-0027 LF \$32.00/ton 12' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,486.27 15.96	649.25
<b>32 32 53 00-0028 Stone Retaining Walls</b> <small>(32 32 53 00-0001)</small> Note: Stone at \$48.00/ton.		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0029 LF \$48.00/ton 3' High Stone Retaining Wall, Dry Set .....	457.05	188.65
For >3:1 Sloped Soil At Top, Add .....	6.77	
32 32 53 00-0030 LF \$48.00/ton 4' High Stone Retaining Wall, Dry Set .....	543.16	224.43
For >3:1 Sloped Soil At Top, Add .....	8.01	
32 32 53 00-0031 LF \$48.00/ton 6' High Stone Retaining Wall, Dry Set .....	717.00	298.18
For >3:1 Sloped Soil At Top, Add .....	10.26	
32 32 53 00-0032 LF \$48.00/ton 8' High Stone Retaining Wall, Dry Set .....	1,099.82	466.21
For >3:1 Sloped Soil At Top, Add .....	14.22	
32 32 53 00-0033 LF \$48.00/ton 10' High Stone Retaining Wall, Dry Set .....	1,433.76	609.86
For >3:1 Sloped Soil At Top, Add .....	18.19	
32 32 53 00-0034 LF \$48.00/ton 12' High Stone Retaining Wall, Dry Set .....	1,783.04	759.46
For >3:1 Sloped Soil At Top, Add .....	22.45	
32 32 53 00-0035 LF \$48.00/ton 3' High Stone Retaining Wall, Mortar Set.....	413.72	167.03
For >3:1 Sloped Soil At Top, Add .....	6.77	
32 32 53 00-0036 LF \$48.00/ton 4' High Stone Retaining Wall, Mortar Set.....	489.76	197.62
For >3:1 Sloped Soil At Top, Add .....	8.03	
32 32 53 00-0037 LF \$48.00/ton 6' High Stone Retaining Wall, Mortar Set.....	637.82	258.54
For >3:1 Sloped Soil At Top, Add .....	10.26	
32 32 53 00-0038 LF \$48.00/ton 8' High Stone Retaining Wall, Mortar Set.....	972.39	402.52
For >3:1 Sloped Soil At Top, Add .....	14.22	
32 32 53 00-0039 LF \$48.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,255.00	520.53
For >3:1 Sloped Soil At Top, Add .....	18.19	
32 32 53 00-0040 LF \$48.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,562.54	649.25
For >3:1 Sloped Soil At Top, Add .....	22.45	
<b>32 32 53 00-0041 Stone Retaining Walls</b> (32 32 53 00-0001)		
Note: Stone at \$64.00/ton.		
32 32 53 00-0042 LF \$64.00/ton 3' High Stone Retaining Wall, Dry Set .....	472.98	188.65
For >3:1 Sloped Soil At Top, Add .....	8.13	
32 32 53 00-0043 LF \$64.00/ton 4' High Stone Retaining Wall, Dry Set .....	541.11	224.43
For >3:1 Sloped Soil At Top, Add .....	7.84	
32 32 53 00-0044 LF \$64.00/ton 6' High Stone Retaining Wall, Dry Set .....	747.73	298.18
For >3:1 Sloped Soil At Top, Add .....	12.87	
32 32 53 00-0045 LF \$64.00/ton 8' High Stone Retaining Wall, Dry Set .....	1,145.35	466.21
For >3:1 Sloped Soil At Top, Add .....	18.09	
32 32 53 00-0046 LF \$64.00/ton 10' High Stone Retaining Wall, Dry Set .....	1,495.23	609.86
For >3:1 Sloped Soil At Top, Add .....	23.41	
32 32 53 00-0047 LF \$64.00/ton 12' High Stone Retaining Wall, Dry Set .....	1,860.44	759.46
For >3:1 Sloped Soil At Top, Add .....	29.03	
32 32 53 00-0048 LF \$64.00/ton 3' High Stone Retaining Wall, Mortar Set.....	429.65	167.03
For >3:1 Sloped Soil At Top, Add .....	8.13	
32 32 53 00-0049 LF \$64.00/ton 4' High Stone Retaining Wall, Mortar Set.....	510.25	197.62
For >3:1 Sloped Soil At Top, Add .....	9.77	
32 32 53 00-0050 LF \$64.00/ton 6' High Stone Retaining Wall, Mortar Set.....	668.55	258.54
For >3:1 Sloped Soil At Top, Add .....	12.87	
32 32 53 00-0051 LF \$64.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,017.92	402.52
For >3:1 Sloped Soil At Top, Add .....	18.09	
32 32 53 00-0052 LF \$64.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,316.47	520.53
For >3:1 Sloped Soil At Top, Add .....	23.41	
32 32 53 00-0053 LF \$64.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,639.94	649.25
For >3:1 Sloped Soil At Top, Add .....	29.03	
<b>32 33 Site Furnishings</b> (32 30)		
<b>32 33 13 Site Bicycle Racks</b> (32 33)		
<b>32 33 13 00-0001 Bicycle Organizer And Rack</b> (32 33 13)		
<b>32 33 13 00-0002 Vertical Style Bike Racks Single/Double Sided, Galvanized</b> (32 33 13 00-0001)		
<b>32 33 13 00-0003 Double Sided</b> (32 33 13 00-0002)		
32 33 13 00-0004 EA 5' Galvanized Steel Double Sided Bike Rack, 9 Bikes.....	680.52	111.69
32 33 13 00-0005 EA 10' Galvanized Steel Double Sided Bike Rack, 18 Bikes.....	1,024.62	183.49
32 33 13 00-0006 EA 20' Galvanized Steel Double Sided Bike Rack, 36 Bikes.....	1,769.34	279.23
<b>32 33 13 00-0007 Single Sided</b> (32 33 13 00-0002)		
32 33 13 00-0008 EA 5' Galvanized Steel Single Sided Bike Rack, 5 Bikes .....	595.57	99.72
32 33 13 00-0009 EA 10' Galvanized Steel Single Sided Bike Rack, 9 Bikes.....	839.87	165.94
32 33 13 00-0010 EA 20' Galvanized Steel Single Sided Bike Rack, 18 Bikes .....	1,442.80	249.31
<b>32 33 13 00-0011 Anchor Set For Vertical Style Bike Rack</b> (32 33 13 00-0002)		
32 33 13 00-0012 PR Anchor Set For Vertical Style Bike Rack.....	115.31	
Note: Anchoring frame to ground.		
<b>32 33 13 00-0013 Bike Racks Ground Loop</b> (32 33 13 00-0001)		
Note: In-ground mount.		
32 33 13 00-0014 EA 83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes.....	891.12	195.70

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 33 13 00-0015	<b>Serpentine Bike Racks</b> (32 33 13 00-0001) Note: In-ground mount.			
32 33 13 00-0016	<b>Galvanized, 36" High, 2-3/8" OD Tubing</b> (32 33 13 00-0015)			
32 33 13 00-0017	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized .....	490.39	119.67
32 33 13 00-0018	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized .....	671.55	129.64
32 33 13 00-0019	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized .....	852.72	139.62
32 33 13 00-0020	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized .....	1,056.92	149.59
32 33 13 00-0021	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized .....	1,261.12	159.55
32 33 13 00-0022	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized .....	1,373.20	169.53
32 33 13 00-0023	<b>Galvanized, 42" High, 2-3/8" OD Tubing</b> (32 33 13 00-0015)			
32 33 13 00-0024	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized .....	557.91	119.67
32 33 13 00-0025	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized .....	720.23	129.64
32 33 13 00-0026	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized .....	882.56	139.62
32 33 13 00-0027	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized .....	1,027.08	149.59
32 33 13 00-0028	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized .....	1,189.41	159.55
32 33 13 00-0029	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized .....	1,387.33	169.53
32 33 13 00-0030	EA	13' x 42" High Serpentine Bike Rack, 15 Bikes, Galvanized .....	1,638.63	199.45
32 33 13 00-0031	EA	15' x 42" High Serpentine Bike Rack, 17 Bikes, Galvanized .....	1,907.74	189.48
32 33 13 00-0032	EA	17' x 42" High Serpentine Bike Rack, 19 Bikes, Galvanized .....	2,159.05	199.45
32 33 13 00-0033	<b>Powder Coated, 36" High, 2-3/8" OD Tubing</b> (32 33 13 00-0015)			
32 33 13 00-0034	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated .....	490.39	119.67
32 33 13 00-0035	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated .....	671.55	129.64
32 33 13 00-0036	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated .....	852.72	139.62
32 33 13 00-0037	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated .....	1,056.92	149.59
32 33 13 00-0038	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated .....	1,261.12	159.55
32 33 13 00-0039	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated .....	1,373.20	169.53
32 33 13 00-0040	<b>Powder Coated, 42" High, 2-3/8" OD Tubing</b> (32 33 13 00-0015)			
32 33 13 00-0041	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated .....	575.71	119.67
32 33 13 00-0042	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated .....	755.82	129.64
32 33 13 00-0043	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated .....	918.15	139.62
32 33 13 00-0044	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated .....	1,116.07	149.59
32 33 13 00-0045	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated .....	1,278.39	159.55
32 33 13 00-0046	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated .....	1,494.11	169.53
32 33 13 00-0047	EA	13' x 42" High Serpentine Bike Rack, 15 Bikes, Powder Coated .....	1,781.00	199.45
32 33 13 00-0048	EA	15' x 42" High Serpentine Bike Rack, 17 Bikes, Powder Coated .....	2,067.91	189.48
32 33 13 00-0049	EA	17' x 42" High Serpentine Bike Rack, 19 Bikes, Powder Coated .....	2,337.03	199.45
32 33 13 00-0050	<b>Stainless Steel, 36" High, 2-3/8" OD Tubing</b> (32 33 13 00-0015)			
32 33 13 00-0051	EA	1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel .....	944.09	119.67
32 33 13 00-0052	EA	3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel .....	1,416.61	129.64
32 33 13 00-0053	EA	5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel .....	1,889.15	139.62
32 33 13 00-0054	EA	7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel .....	2,426.35	149.59
32 33 13 00-0055	EA	9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel .....	2,963.53	159.55
32 33 13 00-0056	EA	11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel .....	3,242.10	169.53
32 33 13 00-0057	<b>Stainless Steel, 42" High, 2-3/8" OD Tubing</b> (32 33 13 00-0015)			
32 33 13 00-0058	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel .....	735.88	119.67
32 33 13 00-0059	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel .....	1,645.69	129.64
32 33 13 00-0060	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel .....	2,163.96	139.62
32 33 13 00-0061	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel .....	2,646.63	149.59
32 33 13 00-0062	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel .....	3,147.11	159.55
32 33 13 00-0063	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel .....	3,665.39	169.53
32 33 13 00-0064	EA	13' x 42" High Serpentine Bike Rack, 15 Bikes, Stainless Steel .....	4,112.45	199.45
32 33 13 00-0065	EA	15' x 42" High Serpentine Bike Rack, 17 Bikes, Stainless Steel .....	4,737.51	189.48
32 33 13 00-0066	EA	17' x 42" High Serpentine Bike Rack, 19 Bikes, Stainless Steel .....	5,344.77	199.45
32 33 13 00-0067	<b>Bike Racks Bollards/Bicycle Posts</b> (32 33 13 00-0001) Note: In-ground mount.			
32 33 13 00-0068	EA	43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G).....	593.93	89.76
32 33 13 00-0069	EA	34-3/8" Overall Height, Angled Bicycle Post, 2 Loop Galvanized Steel, (Park A Bike - Varsity® Bike Dock Series) .....	654.63	89.76
		Note: Includes concrete anchor kit.		
<b>32 33 23</b>	<b>Site Trash and Litter Receptacles</b> (32 33)			
32 33 23 00-0001	<b>Steel Trash Containment</b> (32 33 23)			
32 33 23 00-0002	<b>Steel Frame Surrounded With Kiln-Dried Wood</b> (32 33 23 00-0001)			
32 33 23 00-0003	EA	13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood .....	514.56	47.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0004 EA 24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood .....	490.52	47.61
32 33 23 00-0005 EA 21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood .....	490.52	47.61
32 33 23 00-0006 EA 24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood .....	463.47	47.61
32 33 23 00-0007 EA 18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood .....	514.56	47.61
32 33 23 00-0008 EA 23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood .....	463.47	47.61
32 33 23 00-0009 EA 24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood .....	640.80	47.61
<b>32 33 23 00-0010 Square Steel Frames Surrounded With Flat Steel</b> <small>(32 33 23 00-0001)</small>		
32 33 23 00-0011 EA 26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround .....	943.27	47.61
32 33 23 00-0012 EA 26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround.....	1,019.65	47.61
32 33 23 00-0013 EA 26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround.....	1,019.65	47.61
<b>32 33 23 00-0014 Round Steel Pipe And Flat Steel Frames</b> <small>(32 33 23 00-0001)</small>		
Note: Surrounded with kiln-dried wood.		
32 33 23 00-0015 EA 21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood.....	1,401.56	47.61
32 33 23 00-0016 EA 21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood .....	1,510.67	47.61
32 33 23 00-0017 EA 21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood.....	1,742.55	47.61
32 33 23 00-0018 EA 21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood.....	1,578.87	47.61
<b>32 33 23 00-0019 Round Steel Pipe Surrounded With Perforated</b> <small>(32 33 23 00-0001)</small>		
32 33 23 00-0020 EA 21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe.....	1,251.52	47.61
32 33 23 00-0021 EA 21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe .....	1,360.64	47.61
32 33 23 00-0022 EA 21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe.....	1,592.51	47.61
32 33 23 00-0023 EA 21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe.....	1,442.48	47.61
<b>32 33 23 00-0024 Round Steel Pipe Frames Surrounded With Welded Wire</b> <small>(32 33 23 00-0001)</small>		
32 33 23 00-0025 EA 21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround .....	992.37	47.61
32 33 23 00-0026 EA 21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround .....	1,101.49	47.61
32 33 23 00-0027 EA 21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround.....	1,333.36	47.61
32 33 23 00-0028 EA 21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround.....	1,183.33	47.61
<b>32 33 23 00-0029 Litter Baskets</b> <small>(32 33 23)</small>		
<b>32 33 23 00-0030 Round Wire Litter Baskets</b> <small>(32 33 23 00-0029)</small>		
32 33 23 00-0031 EA 1.33' Diameter x 1.83' High Round Wire Litter Basket .....	176.50	4.84
32 33 23 00-0032 EA 1.5' Diameter x 1.83' High Round Wire Litter Basket .....	223.17	4.84
32 33 23 00-0033 EA 1.75' Diameter x 2.33' High Round Wire Litter Basket .....	302.37	4.84
32 33 23 00-0034 EA 1.83' Diameter x 2.83' High Round Wire Litter Basket .....	347.07	4.84
<b>32 33 23 00-0035 Trash Can/Wire Basket Holder</b> <small>(32 33 23 00-0029)</small>		
32 33 23 00-0036 EA Steel Post, Single Holder.....	244.21	38.88
32 33 23 00-0037 EA Steel Post, Double Holder.....	333.54	38.88
32 33 23 00-0038 EA Redwood Post, Single Holder.....	153.37	38.88
32 33 23 00-0039 EA Redwood Post, Double Holder.....	182.94	38.88
<b>32 33 23 00-0040 Litter Receptacles, Freestanding</b> <small>(32 33 23 00-0029)</small>		
Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates. Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube.		
32 33 23 00-0041 EA 16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded.....	1,422.26	19.84
For Powder Coated Sand Pan, Add		50.00
For Orange Peel Lid, Add		25.00
For Polished Granite Lid, Add		50.00
32 33 23 00-0042 EA 16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded.....	1,497.40	19.84
For Powder Coated Sand Pan, Add		50.00
For Orange Peel Lid, Add		25.00
For Polished Granite Lid, Add		50.00
32 33 23 00-0043 EA 20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded.....	1,742.65	29.75
For Powder Coated Sand Pan, Add		50.00
For Orange Peel Lid, Add		25.00
For Polished Granite Lid, Add		50.00
32 33 23 00-0044 EA 20" Diameter x 40" High Litter Receptacle, Freestanding Embedded.....	1,817.80	29.75
For Powder Coated Sand Pan, Add		50.00
For Orange Peel Lid, Add		25.00
For Polished Granite Lid, Add		50.00
32 33 23 00-0045 EA 16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole .....	1,892.94	29.75
For Powder Coated Sand Pan, Add		50.00
For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add		22.50
For Orange Peel Lid, Add		25.00
For Polished Granite Lid, Add		50.00
32 33 23 00-0046 EA 16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole .....	1,968.08	29.75
For Powder Coated Sand Pan, Add		50.00
For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add		22.50
For Orange Peel Lid, Add		25.00
For Polished Granite Lid, Add		50.00

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0047	EA		16" Diameter x 28" High Litter Receptacle, Wall Mount..... <i>For Powder Coated Sand Pan, Add</i> <i>For Orange Peel Lid, Add</i> <i>For Polished Granite Lid, Add</i> <i>For 1-1/2" x 6" Diameter Metal Cover Plate, Add</i>	1,569.41 50.00 25.00 50.00 20.00	25.79
32 33 23 00-0048	EA		16" Diameter x 32" High Litter Receptacle, Wall Mount..... <i>For Powder Coated Sand Pan, Add</i> <i>For Orange Peel Lid, Add</i> <i>For Polished Granite Lid, Add</i> <i>For 1-1/2" x 6" Diameter Metal Cover Plate, Add</i>	1,644.56 50.00 25.00 50.00 20.00	25.79
<b>32 33 23 00-0049</b>			<b>Ash Receptacles</b> (32 33 23)		
32 33 23 00-0050	EA		12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded..... <i>For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add</i> <i>For Sand Pan, Add</i> <i>For Bowl And Funnel, Add</i>	604.15 22.50 110.00 120.00	19.84
32 33 23 00-0051	EA		18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner.....	254.21	19.84
32 33 23 00-0052	EA		16" Square x 24" High, Palm Ash Urn, Custom Color "Paseo Oak". Quick Crete Products: Palm Series QS-PS 1624.....	295.64	19.84
<b>32 33 23 00-0053</b>			<b>Trash Receptacles</b> (32 33 23)		
32 33 23 00-0054	EA		Outdoor Covered Steel Receptacle With Liner .....	1,166.78	19.84
32 33 23 00-0055	EA		Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame .....	564.91	19.84
32 33 23 00-0056	EA		24" x 24" Square Trash Containment With Exposed Aggregate Finish.....	652.19	19.84
32 33 23 00-0057	EA		30" x 30" Square Trash Containment With Exposed Aggregate Finish.....	680.18	21.81
32 33 23 00-0058	EA		36" x 36" Square Trash Containment With Exposed Aggregate Finish.....	732.18	23.80
32 33 23 00-0059	EA		32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber .....	458.51	15.87
32 33 23 00-0060	EA		32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber.....	547.42	15.87
32 33 23 00-0061	EA		24" x 24" Square 18" High Trash Receptacle, Fiberglass.....	963.73	19.84
32 33 23 00-0062	EA		25" Square x 32" High Trash Receptacle; Palm Series QS-PS 2532-D, Style D Lid Brown Color, Round Plastic Liners QPL-30-B, Custom Color "Paseo Oak". Quick Crete Products .....	645.92	21.81
<b>32 33 23 00-0063</b>			<b>Trash Containers (Dumpsters)</b> (32 33 23)		
32 33 23 00-0064	EA		1 CY Straight Side Trash Dumpster.....	290.72	
32 33 23 00-0065	EA		1.5 CY Straight Side Trash Dumpster.....	436.08	
32 33 23 00-0066	EA		2 CY Straight Side Trash Dumpster.....	581.45	
32 33 23 00-0067	EA		2 CY Sloped Side Trash Dumpster .....	581.45	
32 33 23 00-0068	EA		3 CY Sloped Side Trash Dumpster .....	872.17	
32 33 23 00-0069	EA		4 CY Sloped Side Trash Dumpster .....	1,162.89	
32 33 23 00-0070	EA		6 CY Sloped Side Trash Dumpster .....	1,744.34	
32 33 23 00-0071	EA		8 CY Sloped Side Trash Dumpster .....	2,325.78	
<b>32 33 33</b>			<b>Site Manufactured Planters</b> (32 33)		
<b>32 33 33 00-0001</b>			<b>Precast Concrete Planters</b> (32 33 33)		
<b>32 33 33 00-0002</b>			<b>Circular Precast Concrete Planters</b> (32 33 33 00-0001)		
32 33 33 00-0003	EA		24" Diameter, 17" Height, Circular Precast Concrete Planter .....	782.26	24.45
32 33 33 00-0004	EA		24" Diameter, 24" Height, Circular Precast Concrete Planter .....	875.42	29.34
32 33 33 00-0005	EA		24" Diameter, 33" Height, Circular Precast Concrete Planter .....	958.81	29.34
32 33 33 00-0006	EA		30" Diameter, 17" Height, Circular Precast Concrete Planter .....	1,039.72	34.23
32 33 33 00-0007	EA		30" Diameter, 30" Height, Circular Precast Concrete Planter .....	1,257.95	44.02
32 33 33 00-0008	EA		36" Diameter, 24" Height, Circular Precast Concrete Planter .....	1,370.77	44.02
32 33 33 00-0009	EA		36" Diameter, 30" Height, Circular Precast Concrete Planter .....	1,544.88	48.91
32 33 33 00-0010	EA		48" Diameter, 17" Height, Circular Precast Concrete Planter .....	1,633.17	48.91
32 33 33 00-0011	EA		48" Diameter, 24" Height, Circular Precast Concrete Planter .....	1,817.05	61.13
32 33 33 00-0012	EA		48" Diameter, 30" Height, Circular Precast Concrete Planter .....	1,932.80	65.04
32 33 33 00-0013	EA		48" Diameter, 36" Height, Circular Precast Concrete Planter .....	2,013.23	68.46
32 33 33 00-0014	EA		60" Diameter, 17" Height, Circular Precast Concrete Planter .....	1,828.46	61.13
32 33 33 00-0015	EA		60" Diameter, 24" Height, Circular Precast Concrete Planter .....	2,010.77	68.46
32 33 33 00-0016	EA		60" Diameter, 36" Height, Circular Precast Concrete Planter .....	2,582.22	73.36
32 33 33 00-0017	EA		72" Diameter, 36" Height, Circular Precast Concrete Planter .....	3,352.22	92.91
32 33 33 00-0018	EA		84" Diameter, 36" Height, Circular Precast Concrete Planter .....	3,899.15	97.80
<b>32 33 33 00-0019</b>			<b>Square Precast Concrete Planters</b> (32 33 33 00-0001)		
32 33 33 00-0020	EA		36" Square, 30" Height, Square Precast Concrete Planter .....	1,571.02	63.57
32 33 33 00-0021	EA		42" Square, 30" Height, Square Precast Concrete Planter .....	1,800.48	68.46
32 33 33 00-0022	EA		60" Square, 36" Height, Square Precast Concrete Planter .....	2,856.87	78.25
32 33 33 00-0023	EA		72" Square, 36" Height, Square Precast Concrete Planter .....	3,048.16	83.13
<b>32 33 33 00-0024</b>			<b>Rectangular Precast Concrete Planters</b> (32 33 33 00-0001)		
32 33 33 00-0025	EA		33" x 18", 20" Height, Rectangular Precast Concrete Planter.....	912.21	29.34
32 33 33 00-0026	EA		48" x 18", 20" Height, Rectangular Precast Concrete Planter.....	1,066.64	44.02
32 33 33 00-0027	EA		60" x 18", 20" Height, Rectangular Precast Concrete Planter.....	1,238.29	48.91
32 33 33 00-0028	EA		72" x 18", 20" Height, Rectangular Precast Concrete Planter.....	1,407.45	61.13



<b>Exterior Improvements</b>		<b>32</b>
Site Improvements		32 30
Site Furnishings		32 33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 33 33 00-0029</b> <b>Fiberglass Planters</b> <small>(32 33 33)</small>		
<b>32 33 33 00-0030</b> <b>Circular Fiberglass Planters</b> <small>(32 33 33 00-0029)</small>		
32 33 33 00-0031      EA    36" Diameter, 27" High, Circular Fiberglass Planter .....	1,940.81	24.45
32 33 33 00-0032      EA    60" Diameter, 39" High, Circular Fiberglass Planter .....	3,244.67	24.45
32 33 33 00-0033      EA    36" Diameter, 24" High, Circular Fiberglass Planter .....	1,286.55	24.45
32 33 33 00-0034      EA    60" Diameter, 24" High, Circular Fiberglass Planter .....	2,557.32	24.45
<b>32 33 33 00-0035</b> <b>Tapered Circular Fiberglass Planters</b> <small>(32 33 33 00-0029)</small>		
32 33 33 00-0036      EA    24" Diameter, 20" High, Tapered Circular Fiberglass Planter .....	741.57	24.45
32 33 33 00-0037      EA    30" Diameter, 25" High, Tapered Circular Fiberglass Planter .....	1,097.57	24.45
32 33 33 00-0038      EA    36" Diameter, 30" High, Tapered Circular Fiberglass Planter .....	1,973.89	24.45
32 33 33 00-0039      EA    40" Diameter, 36" High, Tapered Circular Fiberglass Planter .....	2,765.19	24.45
<b>32 33 33 00-0040</b> <b>Square Fiberglass Planters</b> <small>(32 33 33 00-0029)</small>		
32 33 33 00-0041      EA    24" Square, 21" High, Square Fiberglass Planter .....	980.78	24.45
32 33 33 00-0042      EA    24" Square, 24" High, Square Fiberglass Planter .....	1,003.09	24.45
32 33 33 00-0043      EA    30" Square, 12" High, Square Fiberglass Planter .....	1,014.89	24.45
32 33 33 00-0044      EA    30" Square, 21" High, Square Fiberglass Planter .....	1,154.27	24.45
32 33 33 00-0045      EA    30" Square, 24" High, Square Fiberglass Planter .....	1,255.82	24.45
<b>32 33 33 00-0046</b> <b>Rectangular Fiberglass Planters</b> <small>(32 33 33 00-0029)</small>		
32 33 33 00-0047      EA    48" x 12", 12" High, Rectangular Fiberglass Planter .....	1,132.20	24.45
32 33 33 00-0048      EA    48" x 12", 21" High, Rectangular Fiberglass Planter .....	1,215.47	24.45
32 33 33 00-0049      EA    48" x 24", 12" High, Rectangular Fiberglass Planter .....	1,590.49	24.45
32 33 33 00-0050      EA    48" x 24", 21" High, Rectangular Fiberglass Planter .....	1,757.05	24.45
<b>32 33 33 00-0051</b> <b>Timber Planters</b> <small>(32 33 33)</small>		
<b>32 33 33 00-0052</b> <b>Square Timber Planters</b> <small>(32 33 33 00-0051)</small>		
32 33 33 00-0053      EA    14" Square, 30" High, Square Timber Planter .....	648.54	47.61
32 33 33 00-0054      EA    21" Square, 30" High, Square Timber Planter .....	648.54	47.61
32 33 33 00-0055      EA    27" Square, 30" High, Square Timber Planter .....	1,270.06	47.61
32 33 33 00-0056      EA    34" Square, 30" High, Square Timber Planter .....	1,094.99	47.61
32 33 33 00-0057      EA    41" Square, 36" High, Square Timber Planter .....	1,313.83	47.61
32 33 33 00-0058      EA    54" Square, 36" High, Square Timber Planter .....	3,449.78	47.61
32 33 33 00-0059      EA    81" Square, 36" High, Square Timber Planter .....	5,209.30	47.61
<b>32 33 33 00-0060</b> <b>Rectangular Timber Planters</b> <small>(32 33 33 00-0051)</small>		
32 33 33 00-0061      EA    21" x 14", 30" High, Rectangular Timber Planter .....	639.79	47.61
32 33 33 00-0062      EA    27" x 14", 30" High, Rectangular Timber Planter .....	718.57	47.61
32 33 33 00-0063      EA    27" x 21", 30" High, Rectangular Timber Planter .....	954.92	47.61
32 33 33 00-0064      EA    34" x 21", 30" High, Rectangular Timber Planter .....	1,059.97	47.61
32 33 33 00-0065      EA    41" x 21", 30" High, Rectangular Timber Planter .....	1,375.11	47.61
32 33 33 00-0066      EA    34" x 27", 30" High, Rectangular Timber Planter .....	1,602.71	47.61
32 33 33 00-0067      EA    41" x 27", 30" High, Rectangular Timber Planter .....	1,795.30	47.61
32 33 33 00-0068      EA    54" x 27", 30" High, Rectangular Timber Planter .....	2,346.79	47.61
32 33 33 00-0069      EA    54" x 34", 30" High, Rectangular Timber Planter .....	2,653.17	47.61
32 33 33 00-0070      EA    68" x 34", 36" High, Rectangular Timber Planter .....	3,029.59	47.61
32 33 33 00-0071      EA    54" x 41", 36" High, Rectangular Timber Planter .....	2,880.77	47.61
32 33 33 00-0072      EA    68" x 41", 36" High, Rectangular Timber Planter .....	3,265.94	47.61
32 33 33 00-0073      EA    81" x 41", 36" High, Rectangular Timber Planter .....	3,659.87	47.61
<b>32 33 43</b> <b>Site Seating and Tables</b> <small>(32 33)</small>		
<b>32 33 43 13</b> <b>Site Seating</b> <small>(32 33 43)</small>		
<b>32 33 43 13-0001</b> <b>Benches (Landscapeforms)</b> <small>(32 33 43 13)</small>		
Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete.		
32 33 43 13-0002      EA    72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade) .....	1,698.33	79.34
32 33 43 13-0003      EA    72" Backed Wood Or PolySite Bench (Landscapeforms Balustrade) .....	2,129.43	79.34
32 33 43 13-0004      EA    96" Backed Wood Bench (Landscapeforms Balustrade) .....	2,406.56	79.34
32 33 43 13-0005      EA    End Loop Arms For Backed Bench (Landscapeforms Balustrade) .....	193.64	19.84
32 33 43 13-0006      EA    72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's) .....	1,858.99	79.34
32 33 43 13-0007      EA    96" Backless Wood Bench (Landscapeforms Gretchen's) .....	2,106.67	79.34
32 33 43 13-0008      EA    72" Backed Wood Or PolySite Bench (Landscapeforms Gretchen's) .....	2,300.80	79.34
32 33 43 13-0009      EA    96" Backed Wood Bench (Landscapeforms Gretchen's) .....	2,602.03	79.34
32 33 43 13-0010      EA    72" Backed Wood Or PolySite Bench With Armrest (Landscapeforms Gretchen's) .....	2,635.50	79.34
32 33 43 13-0011      EA    96" Backed Wood Bench With Armrest (Landscapeforms Gretchen's) .....	2,936.73	79.34
32 33 43 13-0012      EA    59" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park) .....	3,428.88	79.34
32 33 43 13-0013      EA    75" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park) .....	3,729.04	79.34
32 33 43 13-0014      EA    42" Backless Metal Grid Bench (Landscapeforms Manistee) .....	956.31	59.51
32 33 43 13-0015      EA    62" Backless Metal Grid Bench (Landscapeforms Manistee) .....	1,035.30	59.51

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 33 43 13-0016	EA	72" Backless Metal Grid Bench (Landscapeforms Manistee) .....	1,118.33	69.43
32 33 43 13-0017	EA	82" Backless Metal Grid Bench (Landscapeforms Manistee) .....	1,307.91	69.43
32 33 43 13-0018	EA	42" Backed Metal Grid Bench (Landscapeforms Manistee).....	1,197.32	69.43
32 33 43 13-0019	EA	62" Backed Metal Grid Bench (Landscapeforms Manistee).....	1,276.31	69.43
32 33 43 13-0020	EA	72" Backed Metal Grid Bench (Landscapeforms Manistee).....	1,375.14	79.34
32 33 43 13-0021	EA	82" Backed Metal Grid Bench (Landscapeforms Manistee).....	1,580.52	79.34
32 33 43 13-0022	EA	42" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee).....	1,339.50	69.43
32 33 43 13-0023	EA	62" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee).....	1,438.33	79.34
32 33 43 13-0024	EA	72" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee).....	1,517.32	79.34
32 33 43 13-0025	EA	82" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee).....	1,722.70	79.34
32 33 43 13-0026	EA	72" Backless Solid Wood Bench (Landscapeforms Palisade) .....	2,755.99	79.34
32 33 43 13-0027	EA	96" Backless Solid Wood Bench (Landscapeforms Palisade) .....	3,171.02	79.34
32 33 43 13-0028	EA	70" Backless Perforated Metal Bench (Landscapeforms Petoskey) .....	1,759.92	79.34
32 33 43 13-0029	EA	70" Dual Support Backed Perforated Metal Bench (Landscapeforms Petoskey) .....	2,129.43	79.34
32 33 43 13-0030	EA	70" Quad Support Backed Perforated Metal Bench (Landscapeforms Petoskey) .....	2,314.18	79.34
32 33 43 13-0031	EA	72" Backed Wood Bench (Landscapeforms Plainwell) .....	2,253.94	79.34
32 33 43 13-0032	EA	72" Backed Wood Bench With Center Arm (Landscapeforms Plainwell).....	2,501.62	79.34
32 33 43 13-0033	EA	96" Backed Wood Bench (Landscapeforms Plainwell) .....	2,769.38	79.34
32 33 43 13-0034	EA	96" Backed Wood Bench With Center Arm (Landscapeforms Plainwell) .....	3,017.06	79.34
32 33 43 13-0035	EA	96" Backed Wood Bench With Two Center Arms (Landscapeforms Plainwell) .....	3,271.43	79.34
32 33 43 13-0036	EA	72" Backed Aluminum Bench (Landscapeforms Plainwell).....	2,876.48	79.34
32 33 43 13-0037	EA	72" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell) .....	3,124.16	79.34
32 33 43 13-0038	EA	96" Backed Aluminum Bench (Landscapeforms Plainwell).....	3,532.50	79.34
32 33 43 13-0039	EA	96" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell) .....	3,793.57	79.34
32 33 43 13-0040	EA	96" Backed Aluminum Bench With Two Center Arms (Landscapeforms Plainwell).....	4,034.56	79.34
32 33 43 13-0041	EA	Backless Metal Grid Seats For Straight Runs (Landscapeforms Plexus) .....	655.53	19.84
32 33 43 13-0042	EA	Backless Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus) .....	883.13	19.84
32 33 43 13-0043	EA	Backless Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus) .....	883.13	19.84
32 33 43 13-0044	EA	Backed Metal Grid Seats For Straight Runs (Landscapeforms Plexus).....	802.80	19.84
32 33 43 13-0045	EA	Narrow-Backed Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus).....	996.93	19.84
32 33 43 13-0046	EA	Narrow-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus).....	996.93	19.84
32 33 43 13-0047	EA	Wide-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus).....	996.93	19.84
32 33 43 13-0048	EA	Armrest For Metal Grid Seats (Landscapeforms Plexus).....	193.64	19.84
32 33 43 13-0049	EA	Backless Straight Metal Grid Seats (Landscapeforms Presidio).....	923.29	19.84
32 33 43 13-0050	EA	Backless Straight Metal Grid Seats With One Arm (Landscapeforms Presidio) .....	1,023.71	19.84
32 33 43 13-0051	EA	Backless Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	1,124.12	19.84
32 33 43 13-0052	EA	Backless Angled Metal Grid Seats (Landscapeforms Presidio) .....	1,117.42	19.84
32 33 43 13-0053	EA	Backless Angled Metal Grid Seats With One Arm (Landscapeforms Presidio).....	1,217.83	19.84
32 33 43 13-0054	EA	Backless Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	1,318.24	19.84
32 33 43 13-0055	EA	Backed Straight Metal Grid Seats (Landscapeforms Presidio) .....	1,104.03	19.84
32 33 43 13-0056	EA	Backed Straight Metal Grid Seats With One Arm (Landscapeforms Presidio).....	1,204.44	19.84
32 33 43 13-0057	EA	Backed Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	1,304.86	19.84
32 33 43 13-0058	EA	Narrow-Backed Angled Metal Grid Seats (Landscapeforms Presidio).....	1,351.71	19.84
32 33 43 13-0059	EA	Narrow-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio).....	1,452.12	19.84
32 33 43 13-0060	EA	Narrow-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	1,552.54	19.84
32 33 43 13-0061	EA	Wide-Backed Angled Metal Grid Seats (Landscapeforms Presidio) .....	1,351.71	19.84
32 33 43 13-0062	EA	Wide-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio).....	1,452.12	19.84
32 33 43 13-0063	EA	Wide-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	1,552.54	19.84
32 33 43 13-0064	EA	48" Backless Horizontal Strap Bench (Landscapeforms Scarborough) .....	1,832.21	79.34
32 33 43 13-0065	EA	72" Backless Horizontal Strap Bench (Landscapeforms Scarborough) .....	1,858.99	79.34
32 33 43 13-0066	EA	96" Backless Horizontal Strap Bench (Landscapeforms Scarborough) .....	2,267.33	79.34
32 33 43 13-0067	EA	48" Backless Woven Bench (Landscapeforms Scarborough).....	2,755.99	79.34
32 33 43 13-0068	EA	72" Backless Woven Bench (Landscapeforms Scarborough).....	3,258.05	79.34
32 33 43 13-0069	EA	96" Backless Woven Bench (Landscapeforms Scarborough).....	3,733.32	79.34
32 33 43 13-0070	EA	24" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	1,470.73	79.34
32 33 43 13-0071	EA	48" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	1,966.09	79.34
32 33 43 13-0072	EA	72" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	2,012.95	79.34
32 33 43 13-0073	EA	72" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough).....	2,320.88	79.34
32 33 43 13-0074	EA	96" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	2,622.11	79.34
32 33 43 13-0075	EA	96" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough).....	2,936.73	79.34
32 33 43 13-0076	EA	96" Backed Horizontal Strap Bench With Two Intermediate Arms (Landscapeforms Scarborough).....	3,244.66	79.34
32 33 43 13-0077	EA	24" Backed Woven Bench (Landscapeforms Scarborough) .....	2,622.11	79.34
32 33 43 13-0078	EA	48" Backed Woven Bench (Landscapeforms Scarborough) .....	3,177.72	79.34
32 33 43 13-0079	EA	72" Backed Woven Bench (Landscapeforms Scarborough) .....	3,719.93	79.34
32 33 43 13-0080	EA	72" Backed Woven Bench With Center Arm (Landscapeforms Scarborough).....	4,034.56	79.34
32 33 43 13-0081	EA	96" Backed Woven Bench (Landscapeforms Scarborough).....	4,703.96	79.34
32 33 43 13-0082	EA	96" Backed Woven Bench With Center Arm (Landscapeforms Scarborough).....	5,011.89	79.34
32 33 43 13-0083	EA	96" Backed Woven Bench With Two Intermediate Arms (Landscapeforms Scarborough).....	5,313.12	79.34
32 33 43 13-0084	EA	32" Backed Strap Or Perforated Bench (Landscapeforms Town Square) .....	1,243.38	69.43
32 33 43 13-0085	EA	49" Backed Strap Or Perforated Bench (Landscapeforms Town Square) .....	1,504.45	69.43
32 33 43 13-0086	EA	49" Backed Strap Or Perforated Bench With Divider (Landscapeforms Town Square).....	1,645.02	69.43
32 33 43 13-0087	EA	70" Backed Strap Or Perforated Bench (Landscapeforms Town Square) .....	1,925.93	79.34
32 33 43 13-0088	EA	70" Backed Strap Or Perforated Bench With Two Dividers (Landscapeforms Town Square).....	2,187.00	79.34

**32 33 43 13-0089 Other Benches** (32 33 43 13)

32 33 43 13-0090	EA	6' Timberform #2118-6 Restoration Bench With Cast Iron Glossy Black Frames, Armrests, Purple Heart Wood Slats, S.J.S.U. Logo, Surface Mount .....	3,745.48	73.40
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**32 33 43 13-0091 Benches (Columbia Cascade, TimberForm)** (32 33 43 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 33 43 13-0092</b>	<b>Wood Benches (Columbia Cascade, TimberForm) <small>(32 33 43 13-0091)</small></b>	
Note: Includes powder coated steel frames.		
32 33 43 13-0093 EA 70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-E).....	825.28	39.68
32 33 43 13-0094 EA 94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-E).....	948.69	39.68
32 33 43 13-0095 EA 118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-E).....	1,220.16	39.68
32 33 43 13-0096 EA 70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-P).....	862.32	39.68
32 33 43 13-0097 EA 94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-P).....	985.71	39.68
32 33 43 13-0098 EA 118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-P).....	1,269.53	39.68
32 33 43 13-0099 EA 70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E).....	1,269.53	39.68
32 33 43 13-0100 EA 94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E).....	1,479.31	39.68
32 33 43 13-0101 EA 118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E).....	1,911.20	39.68
32 33 43 13-0102 EA 70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P).....	1,331.23	39.68
32 33 43 13-0103 EA 94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P).....	1,541.00	39.68
32 33 43 13-0104 EA 118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P).....	1,997.58	39.68
32 33 43 13-0105 EA 70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E).....	2,466.49	39.68
32 33 43 13-0106 EA 94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E).....	2,898.38	39.68
32 33 43 13-0107 EA 118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E).....	3,799.19	39.68
32 33 43 13-0108 EA 70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P).....	2,528.19	39.68
32 33 43 13-0109 EA 94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P).....	2,960.08	39.68
32 33 43 13-0110 EA 118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P).....	3,885.56	39.68
32 33 43 13-0111 EA 70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E).....	961.03	39.68
32 33 43 13-0112 EA 94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E).....	1,084.43	39.68
32 33 43 13-0113 EA 70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P).....	998.05	39.68
32 33 43 13-0114 EA 94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P).....	1,121.45	39.68
32 33 43 13-0115 EA 46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E).....	1,615.04	39.68
32 33 43 13-0116 EA 70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E).....	1,911.20	39.68
32 33 43 13-0117 EA 46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P).....	1,713.76	39.68
32 33 43 13-0118 EA 70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P).....	2,009.92	39.68
32 33 43 13-0119 EA 70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6).....	1,003.47	59.51
32 33 43 13-0120 EA 94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8).....	1,052.83	59.51
32 33 43 13-0121 EA 118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10).....	1,435.37	59.51
32 33 43 13-0122 EA 46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E).....	775.94	39.68
32 33 43 13-0123 EA 70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E).....	899.34	39.68
32 33 43 13-0124 EA 94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E).....	1,022.73	39.68
32 33 43 13-0125 EA 118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E).....	1,318.89	39.68
32 33 43 13-0126 EA 142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E).....	1,442.29	39.68
32 33 43 13-0127 EA 46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P).....	788.28	39.68
32 33 43 13-0128 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P).....	911.68	39.68
32 33 43 13-0129 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P).....	1,035.07	39.68
32 33 43 13-0130 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P).....	1,355.91	39.68
32 33 43 13-0131 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P).....	1,479.31	39.68
32 33 43 13-0132 EA 70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E).....	1,343.57	39.68
32 33 43 13-0133 EA 94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E).....	1,553.34	39.68
32 33 43 13-0134 EA 118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-E).....	2,009.92	39.68
32 33 43 13-0135 EA 142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-E).....	2,219.69	39.68
32 33 43 13-0136 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P).....	1,368.25	39.68
32 33 43 13-0137 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P).....	1,578.02	39.68
32 33 43 13-0138 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P).....	2,046.94	39.68
32 33 43 13-0139 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P).....	2,256.71	39.68
32 33 43 13-0140 EA 70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E).....	1,343.57	39.68
32 33 43 13-0141 EA 82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E).....	1,898.86	39.68
32 33 43 13-0142 EA 94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E).....	1,689.08	39.68
32 33 43 13-0143 EA 118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E).....	2,232.03	39.68
32 33 43 13-0144 EA 142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E).....	2,441.81	39.68
32 33 43 13-0145 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P).....	1,541.00	39.68
32 33 43 13-0146 EA 82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P).....	1,935.88	39.68
32 33 43 13-0147 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P).....	1,713.76	39.68
32 33 43 13-0148 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P).....	2,269.05	39.68
32 33 43 13-0149 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P).....	2,478.83	39.68
32 33 43 13-0150 EA 70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6).....	1,410.69	59.51
32 33 43 13-0151 EA 94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8).....	1,632.80	59.51
32 33 43 13-0152 EA 118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10).....	2,101.72	59.51
32 33 43 13-0153 EA 70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6).....	1,546.43	59.51

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0154 EA 94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8).....	1,768.54	59.51
32 33 43 13-0155 EA 118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10).....	2,311.49	59.51
<b>32 33 43 13-0156 Recycled Plastic Benches (Columbia Cascade, TimberForm) (32 33 43 13-0091)</b> Note: Includes powder coated steel frames.		
32 33 43 13-0157 EA 70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E).....	1,133.79	39.68
32 33 43 13-0158 EA 94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E).....	1,553.34	39.68
32 33 43 13-0159 EA 70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P).....	1,170.81	39.68
32 33 43 13-0160 EA 94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P).....	1,590.36	39.68
32 33 43 13-0161 EA 46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E).....	1,787.80	39.68
32 33 43 13-0162 EA 70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E).....	2,096.30	39.68
32 33 43 13-0163 EA 46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P).....	1,886.52	39.68
32 33 43 13-0164 EA 70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P).....	2,195.01	39.68
32 33 43 13-0165 EA 70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6).....	1,126.87	59.51
32 33 43 13-0166 EA 94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8).....	1,361.33	59.51
32 33 43 13-0167 EA 118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10).....	1,608.12	59.51
32 33 43 13-0168 EA 70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E).....	924.00	39.68
32 33 43 13-0169 EA 94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E).....	1,244.84	39.68
32 33 43 13-0170 EA 118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E).....	1,491.64	39.68
32 33 43 13-0171 EA 70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P).....	961.03	39.68
32 33 43 13-0172 EA 94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P).....	1,281.87	39.68
32 33 43 13-0173 EA 118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P).....	1,541.00	39.68
32 33 43 13-0174 EA 70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E).....	1,479.31	39.68
32 33 43 13-0175 EA 94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E).....	1,997.58	39.68
32 33 43 13-0176 EA 118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E).....	2,429.47	39.68
32 33 43 13-0177 EA 70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P).....	1,541.00	39.68
32 33 43 13-0178 EA 94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P).....	2,083.96	39.68
32 33 43 13-0179 EA 118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P).....	2,515.85	39.68
32 33 43 13-0180 EA 70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E).....	2,898.38	39.68
32 33 43 13-0181 EA 94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E).....	3,996.62	39.68
32 33 43 13-0182 EA 118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E).....	4,428.52	39.68
32 33 43 13-0183 EA 70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P).....	2,960.08	39.68
32 33 43 13-0184 EA 94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P).....	4,083.00	39.68
32 33 43 13-0185 EA 118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P).....	4,514.89	39.68
32 33 43 13-0186 EA 70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E).....	1,812.48	39.68
32 33 43 13-0187 EA 82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E).....	2,528.19	39.68
32 33 43 13-0188 EA 94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E).....	2,417.13	39.68
32 33 43 13-0189 EA 118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E).....	2,774.98	39.68
32 33 43 13-0190 EA 142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E).....	3,737.49	39.68
32 33 43 13-0191 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P).....	1,837.16	39.68
32 33 43 13-0192 EA 82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P).....	2,565.21	39.68
32 33 43 13-0193 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P).....	2,454.15	39.68
32 33 43 13-0194 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P).....	2,812.00	39.68
32 33 43 13-0195 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P).....	3,799.19	39.68
32 33 43 13-0196 EA 70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-6).....	1,719.18	59.51
32 33 43 13-0197 EA 94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-8).....	2,323.83	59.51
32 33 43 13-0198 EA 118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-10).....	2,879.12	59.51
32 33 43 13-0199 EA 70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6).....	1,928.96	59.51
32 33 43 13-0200 EA 94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8).....	2,582.97	59.51
32 33 43 13-0201 EA 118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10).....	2,842.10	59.51
32 33 43 13-0202 EA 46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E).....	825.30	39.68
32 33 43 13-0203 EA 70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E).....	1,084.43	39.68
32 33 43 13-0204 EA 94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E).....	1,466.97	39.68
32 33 43 13-0205 EA 118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E).....	1,726.10	39.68
32 33 43 13-0206 EA 142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E).....	2,009.92	39.68
32 33 43 13-0207 EA 46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P).....	849.98	39.68
32 33 43 13-0208 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P).....	1,109.11	39.68
32 33 43 13-0209 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P).....	1,503.99	39.68





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43	13-0210	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P).....	1,763.12	39.68
32 33 43	13-0211	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P).....	2,059.28	39.68
32 33 43	13-0212	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E).....	1,615.04	39.68
32 33 43	13-0213	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E).....	2,219.69	39.68
32 33 43	13-0214	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E).....	2,737.96	39.68
32 33 43	13-0215	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E).....	3,083.48	39.68
32 33 43	13-0216	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P).....	1,639.72	39.68
32 33 43	13-0217	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P).....	2,256.71	39.68
32 33 43	13-0218	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P).....	2,774.98	39.68
32 33 43	13-0219	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P).....	3,132.84	39.68
<b>32 33 43</b>	<b>13-0220</b>		<b>Benches (Wabash Valley) (32 33 43 13)</b>		
<b>32 33 43</b>	<b>13-0221</b>		<b>Prestige/Profile Benches (32 33 43 13-0220)</b>		
32 33 43	13-0222	EA	6' Bench With Arms, Inground, Diamond Site Furniture (Wabash Valley PP411D).....	870.88	37.06
32 33 43	13-0223	EA	6' Bench With Arms, Inground, Perforated Site Furniture (Wabash Valley PP411P).....	962.56	37.06
<b>32 33 43</b>	<b>13-0224</b>		<b>Straight Benches (32 33 43 13-0220)</b>		
32 33 43	13-0225	EA	6' Signature Standard Inground Bench With Back (Wabash Valley SG303P).....	928.87	55.54
32 33 43	13-0226	EA	6' Signature Standard Surface Mount Bench With Back (Wabash Valley SG306P).....	943.54	55.54
32 33 43	13-0227	EA	8' Signature Standard Inground Bench With Back (Wabash Valley SG315P).....	1,014.47	55.54
32 33 43	13-0228	EA	8' Signature Standard Inground Bench Without Back (Wabash Valley SG316P).....	664.72	55.54
32 33 43	13-0229	EA	8' Signature Standard Surface Mount Bench With Back (Wabash Valley SG318P).....	1,014.47	55.54
32 33 43	13-0230	EA	8' Signature Standard Surface Mount Bench Without Back (Wabash Valley SG319P).....	664.72	55.54
32 33 43	13-0231	EA	Shelter With 6' Bench (Wabash Valley SH305P).....	6,704.06	71.41
32 33 43	13-0232	EA	2-Seat With Back, Portable (Wabash Valley CL310).....	1,384.90	37.06
32 33 43	13-0233	EA	2-Seat With Back, Surface Mount (Wabash Valley CL311D).....	1,324.60	55.62
32 33 43	13-0234	EA	2-Seat With Back, Inground (Wabash Valley CL312D).....	1,461.41	74.19
32 33 43	13-0235	EA	2-Seat Without Back, Portable (Wabash Valley CL315D).....	1,190.64	37.06
32 33 43	13-0236	EA	2-Seat Without Back, Surface Mount (Wabash Valley CL316D).....	1,130.33	55.62
32 33 43	13-0237	EA	2-Seat Without Back, Inground (Wabash Valley CL317D).....	1,238.58	74.19
32 33 43	13-0238	EA	3-Seat With Back, Portable (Wabash Valley CL320D).....	2,010.55	37.06
32 33 43	13-0239	EA	3-Seat With Back, Surface Mount (Wabash Valley CL321D).....	1,970.24	55.62
32 33 43	13-0240	EA	3-Seat With Back, Inground (Wabash Valley CL322D).....	2,069.91	74.19
32 33 43	13-0241	EA	3-Seat Without Back, Portable (Wabash Valley CL325D).....	1,662.02	37.06
32 33 43	13-0242	EA	3-Seat Without Back, Surface Mount (Wabash Valley CL326D).....	1,621.71	55.62
32 33 43	13-0243	EA	3-Seat Without Back, Inground (Wabash Valley CL327D).....	1,724.24	74.19
<b>32 33 43</b>	<b>13-0244</b>		<b>Concave Benches (32 33 43 13-0220)</b>		
32 33 43	13-0245	EA	Benches, 15 Deg Concave With Back, Portable, CL405D.....	1,907.70	37.06
32 33 43	13-0246	EA	Benches, 15 Deg Concave With Back, Surface Mount, CL406D.....	1,855.96	55.62
32 33 43	13-0247	EA	Benches, 15 Deg Concave With Back, Inground, CL407D.....	1,958.49	74.19
32 33 43	13-0248	EA	Benches, 15 Deg Concave Without Back, Portable, CL415D.....	1,864.85	37.06
32 33 43	13-0249	EA	Benches, 15 Deg Concave Without Back, Surface Mount, CL416D.....	1,813.11	55.62
32 33 43	13-0250	EA	Benches, 15 Deg Concave Without Back, Inground, CL417D.....	1,915.64	74.19
<b>32 33 43</b>	<b>13-0251</b>		<b>Swings (32 33 43 13-0220)</b>		
32 33 43	13-0252	EA	4' Swing With Chain (Perforated Or Rib) SP300P.....	1,458.80	31.74
32 33 43	13-0253	EA	6' Swing With Chain (Perforated Or Rib) SP305P.....	1,710.72	31.74
32 33 43	13-0254	EA	Round Inground Post Package SP310N.....	691.90	74.19
32 33 43	13-0255	EA	4' Square Inground Post Package SP315N.....	1,541.68	95.22
32 33 43	13-0256	EA	6' Square Inground Post Package SP320N.....	1,673.75	95.22
<b>32 33 43</b>	<b>13-0257</b>		<b>Accessories (32 33 43 13-0220)</b>		
32 33 43	13-0258	EA	Mounting Plate Covers (Set Of 2), MC102N.....	60.47	5.55
32 33 43	13-0259	EA	Mounting Plate Covers (Set Of 3), MC103N.....	87.29	7.38
32 33 43	13-0260	EA	Mounting Plate Covers (Set Of 4), MC104.....	101.70	7.38
<b>32 33 43</b>	<b>13-0261</b>		<b>Camden Series Benches (32 33 43 13-0220)</b>		
32 33 43	13-0262	EA	6' Bench, With Back, Square Perforation, Portable/Surface Mount, CA1112C.....	1,405.34	55.54
32 33 43	13-0263	EA	6' Bench, With Back, Square Perforation, Inground, CA1111I.....	1,433.23	74.19
32 33 43	13-0264	EA	6' Bench, With Back, With Arms, Faux-Wood, Portable/Surface Mount, CA1112C.....	1,566.37	55.54
32 33 43	13-0265	EA	6' Bench, With Back, With Arms, Faux-Wood, Inground, CA1112I.....	1,598.19	74.19
32 33 43	13-0266	EA	6' Bench, With Back, With Arms, Rod, Portable/Surface Mount, CA1114C.....	1,758.83	55.54
32 33 43	13-0267	EA	6' Bench, With Back, With Arms, Rod, Inground, CA1114I.....	1,790.65	74.19
32 33 43	13-0268	EA	6' Bench, With Back, With Arms, Round Perforation, Portable/Surface Mount, CA1116C.....	1,383.73	55.54
32 33 43	13-0269	EA	6' Bench, With Back, With Arms, Round Perforation, Inground, CA1116I.....	1,413.59	74.19

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0270 EA 6' Bench, With Back, With Arms, Horizontal Slat, Portable/Surface Mount, CA1119C .....	1,580.12	55.54
32 33 43 13-0271 EA 6' Bench, With Back, With Arms, Horizontal Slat, Inground, CA1116I .....	1,609.98	74.19
<b>32 33 43 53 Site Tables (32 33 43)</b>		
<b>32 33 43 53-0001 Tables (32 33 43 53)</b>		
<b>32 33 43 53-0002 Tables (Wabash) (32 33 43 53-0001)</b>		
32 33 43 53-0003 EA Spyder ADA Round Table (Wabash SY203P) .....	2,440.94	71.41
32 33 43 53-0004 EA Shelter With 6' Table (Wabash SH105P) .....	7,457.38	71.41
32 33 43 53-0005 EA 46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Portable/Surface Mount (Wabash CA2Q50C) .....	2,242.53	71.41
32 33 43 53-0006 EA 46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Inground (Wabash CA2Q50I) .....	2,403.76	79.34
<b>32 33 43 53-0007 Tables (Landscapeforms) (32 33 43 53-0001)</b>		
32 33 43 53-0008 EA Plexus Companion Table For Backed Seat, Straight Runs .....	814.72	74.19
32 33 43 53-0009 EA Companion Table For Narrow-Backed Seat, For 60 Degree Radius (Landscapeforms Plexus) .....	1,028.93	74.19
32 33 43 53-0010 EA Companion Table For Narrow-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus) .....	1,028.93	74.19
32 33 43 53-0011 EA Companion Table For Wide-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus) .....	1,028.93	74.19
32 33 43 53-0012 EA 6-Person Picnic Table (Landscapeforms Manistee) .....	3,187.62	74.19
32 33 43 53-0013 EA 4-Person Picnic Table (Landscapeforms Manistee) .....	2,827.75	74.19
32 33 43 53-0014 EA 2-Person Picnic Table (Landscapeforms Manistee) .....	2,497.87	74.19
32 33 43 53-0015 EA Umbrella Stand For Picnic Table (Landscapeforms) .....	267.76	
32 33 43 53-0016 EA 32" x 72" Picnic Table (Landscapeforms Petoskey) .....	2,500.83	71.41
32 33 43 53-0017 EA 62" Backless Metal Rod Bench (Landscapeforms Petoskey) .....	1,307.91	55.54
32 33 43 53-0018 EA 29" Backless Metal Rod Bench (Landscapeforms Petoskey) .....	1,086.74	55.54
32 33 43 53-0019 EA 58" x 54" x 30" Wood Or PolySite Picnic Table With Benches (Landscapeforms Gretchen) .....	2,936.48	71.41
32 33 43 53-0020 EA 3 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel) .....	2,827.75	74.19
32 33 43 53-0021 EA 4 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel) .....	2,827.75	74.19
32 33 43 53-0022 EA 5 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel) .....	3,682.45	74.19
32 33 43 53-0023 EA 6 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel) .....	3,682.45	74.19
32 33 43 53-0024 EA 3 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	3,022.68	74.19
32 33 43 53-0025 EA 4 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	3,022.68	74.19
32 33 43 53-0026 EA 5 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	3,877.38	74.19
32 33 43 53-0027 EA 6 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	3,877.38	74.19
32 33 43 53-0028 EA 3 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) .....	2,947.71	74.19
32 33 43 53-0029 EA 4 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) .....	2,947.71	74.19
32 33 43 53-0030 EA 5 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) .....	3,862.38	74.19
32 33 43 53-0031 EA 6 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) .....	3,862.38	74.19
32 33 43 53-0032 EA 3 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	3,142.64	74.19
32 33 43 53-0033 EA 4 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	3,142.64	74.19
32 33 43 53-0034 EA 5 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	4,057.31	74.19
32 33 43 53-0035 EA 6 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	4,057.31	74.19
32 33 43 53-0036 EA 3 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel) .....	3,007.69	74.19
32 33 43 53-0037 EA 4 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel) .....	3,007.69	74.19
32 33 43 53-0038 EA 5 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel) .....	3,877.38	74.19
32 33 43 53-0039 EA 6 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel) .....	3,877.38	74.19
32 33 43 53-0040 EA 3 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	3,202.62	74.19
32 33 43 53-0041 EA 4 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	3,202.62	74.19
32 33 43 53-0042 EA 5 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	4,072.31	74.19
32 33 43 53-0043 EA 6 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	4,072.31	74.19
32 33 43 53-0044 EA 3 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) .....	3,157.63	74.19
32 33 43 53-0045 EA 4 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) .....	3,157.63	74.19
32 33 43 53-0046 EA 5 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) .....	4,102.30	74.19
32 33 43 53-0047 EA 6 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) .....	4,102.30	74.19
32 33 43 53-0048 EA 3 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	3,352.57	74.19
32 33 43 53-0049 EA 4 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	3,352.57	74.19
32 33 43 53-0050 EA 5 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	4,297.23	74.19
32 33 43 53-0051 EA 6 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	4,297.23	74.19
32 33 43 53-0052 EA 3 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel) .....	2,622.11	74.19
32 33 43 53-0053 EA 4 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel) .....	2,622.11	74.19
32 33 43 53-0054 EA 5 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel) .....	3,465.56	74.19
32 33 43 53-0055 EA 6 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel) .....	3,465.56	74.19
32 33 43 53-0056 EA 3 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel) .....	2,729.22	74.19
32 33 43 53-0057 EA 4 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel) .....	2,729.22	74.19
32 33 43 53-0058 EA 5 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel) .....	3,559.28	74.19
32 33 43 53-0059 EA 6 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel) .....	3,559.28	74.19
32 33 43 53-0060 EA 3 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel) .....	2,742.60	74.19
32 33 43 53-0061 EA 4 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel) .....	2,742.60	74.19
32 33 43 53-0062 EA 5 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel) .....	3,626.22	74.19
32 33 43 53-0063 EA 6 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel) .....	3,626.22	74.19
32 33 43 53-0064 EA 3 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel) .....	2,836.32	74.19
32 33 43 53-0065 EA 4 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel) .....	2,836.32	74.19
32 33 43 53-0066 EA 5 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel) .....	3,719.93	74.19
32 33 43 53-0067 EA 6 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel) .....	3,719.93	74.19
32 33 43 53-0068 EA 3 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel) .....	2,796.16	74.19
32 33 43 53-0069 EA 4 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel) .....	2,796.16	74.19
32 33 43 53-0070 EA 5 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel) .....	3,652.99	74.19
32 33 43 53-0071 EA 6 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel) .....	3,652.99	74.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0072 EA 3 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	2,896.57	74.19
32 33 43 53-0073 EA 4 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	2,896.57	74.19
32 33 43 53-0074 EA 5 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	3,746.71	74.19
32 33 43 53-0075 EA 6 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	3,746.71	74.19
32 33 43 53-0076 EA 3 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel).....	2,963.51	74.19
32 33 43 53-0077 EA 4 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel).....	2,963.51	74.19
32 33 43 53-0078 EA 5 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel).....	3,914.06	74.19
32 33 43 53-0079 EA 6 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel).....	3,914.06	74.19
32 33 43 53-0080 EA 3 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	3,057.22	74.19
32 33 43 53-0081 EA 4 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	3,057.22	74.19
32 33 43 53-0082 EA 5 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	4,007.78	74.19
32 33 43 53-0083 EA 6 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	4,007.78	74.19
<b>32 33 43 53-0084 Tables (Columbia Cascade Co. - TimberForm) (32 33 43 53-0001)</b>		
32 33 43 53-0085 EA Table With Four Chairs (Columbia Cascade Co. 2052-E).....	4,539.61	92.68
32 33 43 53-0086 EA Table With Four Chairs (Columbia Cascade Co. 2052-P).....	5,547.90	92.68
32 33 43 53-0087 EA Accessible Table With Three Chairs (Columbia Cascade Co. 2053-E).....	3,825.41	92.68
32 33 43 53-0088 EA Accessible Table With Three Chairs (Columbia Cascade Co. 2053-P).....	4,777.68	92.68
32 33 43 53-0089 EA Table With Four Seats (Columbia Cascade Co. 2054-E).....	2,537.04	92.68
32 33 43 53-0090 EA Table With Four Seats (Columbia Cascade Co. 2054-P).....	2,761.10	92.68
32 33 43 53-0091 EA Accessible Table With Three Seats (Columbia Cascade Co. 2055-E).....	2,158.93	92.68
32 33 43 53-0092 EA Accessible Table With Three Seats (Columbia Cascade Co. 2055-P).....	2,354.99	92.68
32 33 43 53-0093 EA Integral Table With Four Seats (Columbia Cascade Co. 2056-E).....	2,831.12	92.68
32 33 43 53-0094 EA Integral Table With Four Seats (Columbia Cascade Co. 2056-P).....	3,027.18	92.68
32 33 43 53-0095 EA Integral Table With Four Seats (Columbia Cascade Co. 2056-R).....	4,595.63	92.68
32 33 43 53-0096 EA Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-E).....	2,509.03	92.68
32 33 43 53-0097 EA Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-P).....	2,705.09	92.68
32 33 43 53-0098 EA Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-R).....	4,273.53	92.68
32 33 43 53-0099 EA Standard Picnic Table And Seats (Columbia Cascade Co. 2062).....	3,125.21	92.68
32 33 43 53-0100 EA Standard Picnic Table And Seats (Columbia Cascade Co. 2062-P).....	3,349.27	92.68
32 33 43 53-0101 EA Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-E).....	3,657.36	92.68
32 33 43 53-0102 EA Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-P).....	3,881.42	92.68
32 33 43 53-0103 EA Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-E).....	4,595.63	92.68
32 33 43 53-0104 EA Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-P).....	4,819.69	92.68
32 33 43 53-0105 EA Standard Picnic Table And Benches (Columbia Cascade Co. 2073-E).....	4,595.63	92.68
32 33 43 53-0106 EA Standard Picnic Table And Benches (Columbia Cascade Co. 2073-P).....	4,819.69	92.68
32 33 43 53-0107 EA Standard Picnic Table And Seats (Columbia Cascade Co. 2074-E).....	1,073.62	37.06
32 33 43 53-0108 EA Accessible Picnic Table And Seats (Columbia Cascade Co. 2075-E).....	1,437.73	37.06
32 33 43 53-0109 EA Gameboard (Columbia Cascade Co. 2095).....	305.76	18.56
32 33 43 53-0110 EA Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-E).....	3,125.21	92.68
32 33 43 53-0111 EA Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-E).....	3,573.33	92.68
32 33 43 53-0112 EA Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-P).....	3,349.27	92.68
32 33 43 53-0113 EA Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-P).....	3,797.40	92.68
32 33 43 53-0114 EA Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-E).....	3,475.31	92.68
32 33 43 53-0115 EA Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-E).....	3,923.43	92.68
32 33 43 53-0116 EA Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-P).....	3,699.37	92.68
32 33 43 53-0117 EA Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-P).....	4,147.50	92.68
32 33 43 53-0118 EA Standard Picnic Table With Seats (Columbia Cascade Co. 2164-6).....	2,950.16	37.06
32 33 43 53-0119 EA Standard Picnic Table With Seats (Columbia Cascade Co. 2164-8).....	3,314.26	37.06
32 33 43 53-0120 EA Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-6).....	3,300.26	37.06
32 33 43 53-0121 EA Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-8).....	3,664.36	37.06
32 33 43 53-0122 EA Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-E).....	7,424.43	92.68
32 33 43 53-0123 EA Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-P).....	8,208.66	92.68
32 33 43 53-0124 EA Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-E).....	7,424.43	92.68
32 33 43 53-0125 EA Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-P).....	8,208.66	92.68
32 33 43 53-0126 EA Round Table With Center Support (Columbia Cascade Co. 2902-0030-E).....	1,808.83	92.68
32 33 43 53-0127 EA Round Table With Center Support (Columbia Cascade Co. 2902-0036-E).....	1,990.88	92.68
32 33 43 53-0128 EA Round Table With Center Support (Columbia Cascade Co. 2902-0042-E).....	2,172.93	92.68
32 33 43 53-0129 EA Round Table With Center Support (Columbia Cascade Co. 2902-0030-P).....	1,934.87	92.68
32 33 43 53-0130 EA Round Table With Center Support (Columbia Cascade Co. 2902-0036-P).....	2,116.92	92.68
32 33 43 53-0131 EA Round Table With Center Support (Columbia Cascade Co. 2902-0042-P).....	2,298.97	92.68
32 33 43 53-0132 EA Square Table With Center Support (Columbia Cascade Co. 2902-3030-E).....	1,766.82	92.68
32 33 43 53-0133 EA Square Table With Center Support (Columbia Cascade Co. 2902-3636-E).....	1,892.85	92.68
32 33 43 53-0134 EA Square Table With Center Support (Columbia Cascade Co. 2902-4242-E).....	2,018.89	92.68
32 33 43 53-0135 EA Square Table With Center Support (Columbia Cascade Co. 2902-3030-P).....	1,892.85	92.68
32 33 43 53-0136 EA Square Table With Center Support (Columbia Cascade Co. 2902-3636-P).....	2,018.89	92.68
32 33 43 53-0137 EA Square Table With Center Support (Columbia Cascade Co. 2902-4242-P).....	2,144.93	92.68
32 33 43 53-0138 EA Round Table With Four Legs (Columbia Cascade Co. 2905-0030-E).....	1,710.80	92.68
32 33 43 53-0139 EA Round Table With Four Legs (Columbia Cascade Co. 2905-0036-E).....	1,892.85	92.68
32 33 43 53-0140 EA Round Table With Four Legs (Columbia Cascade Co. 2905-0042-E).....	2,074.91	92.68
32 33 43 53-0141 EA Round Table With Four Legs (Columbia Cascade Co. 2905-0030-P).....	1,710.80	92.68
32 33 43 53-0142 EA Round Table With Four Legs (Columbia Cascade Co. 2905-0036-P).....	1,892.85	92.68
32 33 43 53-0143 EA Round Table With Four Legs (Columbia Cascade Co. 2905-0042-P).....	2,074.91	92.68
32 33 43 53-0144 EA Round Table With Four Legs (Columbia Cascade Co. 2905-0030-L).....	1,710.80	92.68
32 33 43 53-0145 EA Round Table With Four Legs (Columbia Cascade Co. 2905-0036-L).....	1,892.85	92.68
32 33 43 53-0146 EA Round Table With Four Legs (Columbia Cascade Co. 2905-0042-L).....	2,074.91	92.68
32 33 43 53-0147 EA Square Table With Four Legs (Columbia Cascade Co. 2905-3030-E).....	1,626.78	92.68
32 33 43 53-0148 EA Square Table With Four Legs (Columbia Cascade Co. 2905-3636-E).....	1,752.81	92.68
32 33 43 53-0149 EA Square Table With Four Legs (Columbia Cascade Co. 2905-4242-E).....	1,878.85	92.68
32 33 43 53-0150 EA Square Table With Four Legs (Columbia Cascade Co. 2905-3030-P).....	1,626.78	92.68

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0151 EA Square Table With Four Legs (Columbia Cascade Co. 2905-3636-P) .....	1,752.81	92.68
32 33 43 53-0152 EA Square Table With Four Legs (Columbia Cascade Co. 2905-4242-P) .....	1,878.85	92.68
32 33 43 53-0153 EA Square Table With Four Legs (Columbia Cascade Co. 2905-3030-L) .....	1,626.78	92.68
32 33 43 53-0154 EA Square Table With Four Legs (Columbia Cascade Co. 2905-3636-L) .....	1,752.81	92.68
32 33 43 53-0155 EA Square Table With Four Legs (Columbia Cascade Co. 2905-4242-L) .....	1,878.85	92.68
32 33 43 53-0156 EA Round Table With Center Support (Columbia Cascade Co. 2912-0030-E) .....	1,556.76	92.68
32 33 43 53-0157 EA Round Table With Center Support (Columbia Cascade Co. 2912-0036-E) .....	1,738.81	92.68
32 33 43 53-0158 EA Round Table With Center Support (Columbia Cascade Co. 2912-0042-E) .....	1,920.86	92.68
32 33 43 53-0159 EA Round Table With Center Support (Columbia Cascade Co. 2912-0030-P) .....	1,682.79	92.68
32 33 43 53-0160 EA Round Table With Center Support (Columbia Cascade Co. 2912-0036-P) .....	1,864.85	92.68
32 33 43 53-0161 EA Round Table With Center Support (Columbia Cascade Co. 2912-0042-P) .....	2,046.90	92.68
32 33 43 53-0162 EA Square Table With Center Support (Columbia Cascade Co. 2912-3030-E) .....	1,444.73	92.68
32 33 43 53-0163 EA Square Table With Center Support (Columbia Cascade Co. 2912-3636-E) .....	1,556.76	92.68
32 33 43 53-0164 EA Square Table With Center Support (Columbia Cascade Co. 2912-4242-E) .....	1,682.79	92.68
32 33 43 53-0165 EA Square Table With Center Support (Columbia Cascade Co. 2912-3030-P) .....	1,556.76	92.68
32 33 43 53-0166 EA Square Table With Center Support (Columbia Cascade Co. 2912-3636-P) .....	1,682.79	92.68
32 33 43 53-0167 EA Square Table With Center Support (Columbia Cascade Co. 2912-4242-P) .....	1,808.83	92.68
32 33 43 53-0168 EA Round Table With Four Legs (Columbia Cascade Co. 2915-0030-E) .....	1,640.78	92.68
32 33 43 53-0169 EA Round Table With Four Legs (Columbia Cascade Co. 2915-0036-E) .....	1,822.83	92.68
32 33 43 53-0170 EA Round Table With Four Legs (Columbia Cascade Co. 2915-0042-E) .....	2,004.89	92.68
32 33 43 53-0171 EA Round Table With Four Legs (Columbia Cascade Co. 2915-0030-P) .....	1,640.78	92.68
32 33 43 53-0172 EA Round Table With Four Legs (Columbia Cascade Co. 2915-0036-P) .....	1,822.83	92.68
32 33 43 53-0173 EA Round Table With Four Legs (Columbia Cascade Co. 2915-0042-P) .....	2,004.89	92.68
32 33 43 53-0174 EA Round Table With Four Legs (Columbia Cascade Co. 2915-0030-L) .....	1,640.78	92.68
32 33 43 53-0175 EA Round Table With Four Legs (Columbia Cascade Co. 2915-0036-L) .....	1,822.83	92.68
32 33 43 53-0176 EA Round Table With Four Legs (Columbia Cascade Co. 2915-0042-L) .....	2,004.89	92.68
32 33 43 53-0177 EA Square Table With Four Legs (Columbia Cascade Co. 2915-3030-E) .....	1,542.75	92.68
32 33 43 53-0178 EA Square Table With Four Legs (Columbia Cascade Co. 2915-3636-E) .....	1,668.79	92.68
32 33 43 53-0179 EA Square Table With Four Legs (Columbia Cascade Co. 2915-4242-E) .....	1,794.83	92.68
32 33 43 53-0180 EA Square Table With Four Legs (Columbia Cascade Co. 2915-3030-P) .....	1,542.75	92.68
32 33 43 53-0181 EA Square Table With Four Legs (Columbia Cascade Co. 2915-3636-P) .....	1,668.79	92.68
32 33 43 53-0182 EA Square Table With Four Legs (Columbia Cascade Co. 2915-4242-P) .....	1,794.83	92.68
32 33 43 53-0183 EA Square Table With Four Legs (Columbia Cascade Co. 2915-3030-L) .....	1,542.75	92.68
32 33 43 53-0184 EA Square Table With Four Legs (Columbia Cascade Co. 2915-3636-L) .....	1,668.79	92.68
32 33 43 53-0185 EA Square Table With Four Legs (Columbia Cascade Co. 2915-4242-L) .....	1,794.83	92.68
32 33 43 53-0186 EA Round Table With Center Support (Columbia Cascade Co. 2922-0030-E) .....	1,444.73	92.68
32 33 43 53-0187 EA Round Table With Center Support (Columbia Cascade Co. 2922-0036-E) .....	1,500.74	92.68
32 33 43 53-0188 EA Round Table With Center Support (Columbia Cascade Co. 2922-0042-E) .....	1,556.76	92.68
32 33 43 53-0189 EA Round Table With Center Support (Columbia Cascade Co. 2922-0030-P) .....	1,570.76	92.68
32 33 43 53-0190 EA Round Table With Center Support (Columbia Cascade Co. 2922-0036-P) .....	1,626.78	92.68
32 33 43 53-0191 EA Round Table With Center Support (Columbia Cascade Co. 2922-0042-P) .....	1,682.79	92.68
32 33 43 53-0192 EA Square Table With Center Support (Columbia Cascade Co. 2922-3030-E) .....	1,430.72	92.68
32 33 43 53-0193 EA Square Table With Center Support (Columbia Cascade Co. 2922-3636-E) .....	1,472.73	92.68
32 33 43 53-0194 EA Square Table With Center Support (Columbia Cascade Co. 2922-4242-E) .....	1,514.75	92.68
32 33 43 53-0195 EA Square Table With Center Support (Columbia Cascade Co. 2922-3030-P) .....	1,556.76	92.68
32 33 43 53-0196 EA Square Table With Center Support (Columbia Cascade Co. 2922-3636-P) .....	1,598.77	92.68
32 33 43 53-0197 EA Square Table With Center Support (Columbia Cascade Co. 2922-4242-P) .....	1,640.78	92.68
32 33 43 53-0198 EA Round Table With Four Legs (Columbia Cascade Co. 2925-0030-E) .....	1,472.73	92.68
32 33 43 53-0199 EA Round Table With Four Legs (Columbia Cascade Co. 2925-0036-E) .....	1,528.75	92.68
32 33 43 53-0200 EA Round Table With Four Legs (Columbia Cascade Co. 2925-0042-E) .....	1,584.77	92.68
32 33 43 53-0201 EA Round Table With Four Legs (Columbia Cascade Co. 2925-0030-P) .....	1,472.73	92.68
32 33 43 53-0202 EA Round Table With Four Legs (Columbia Cascade Co. 2925-0036-P) .....	1,528.75	92.68
32 33 43 53-0203 EA Round Table With Four Legs (Columbia Cascade Co. 2925-0042-P) .....	1,584.77	92.68
32 33 43 53-0204 EA Round Table With Four Legs (Columbia Cascade Co. 2925-0030-L) .....	1,472.73	92.68
32 33 43 53-0205 EA Round Table With Four Legs (Columbia Cascade Co. 2925-0036-L) .....	1,528.75	92.68
32 33 43 53-0206 EA Round Table With Four Legs (Columbia Cascade Co. 2925-0042-L) .....	1,584.77	92.68
32 33 43 53-0207 EA Square Table With Four Legs (Columbia Cascade Co. 2925-3030-E) .....	1,472.73	92.68
32 33 43 53-0208 EA Square Table With Four Legs (Columbia Cascade Co. 2925-3636-E) .....	1,514.75	92.68
32 33 43 53-0209 EA Square Table With Four Legs (Columbia Cascade Co. 2925-4242-E) .....	1,556.76	92.68
32 33 43 53-0210 EA Square Table With Four Legs (Columbia Cascade Co. 2925-3030-P) .....	1,472.73	92.68
32 33 43 53-0211 EA Square Table With Four Legs (Columbia Cascade Co. 2925-3636-P) .....	1,514.75	92.68
32 33 43 53-0212 EA Square Table With Four Legs (Columbia Cascade Co. 2925-4242-P) .....	1,556.76	92.68
32 33 43 53-0213 EA Square Table With Four Legs (Columbia Cascade Co. 2925-3030-L) .....	1,472.73	92.68
32 33 43 53-0214 EA Square Table With Four Legs (Columbia Cascade Co. 2925-3636-L) .....	1,514.75	92.68
32 33 43 53-0215 EA Square Table With Four Legs (Columbia Cascade Co. 2925-4242-L) .....	1,556.76	92.68
32 33 43 53-0216 EA Round Table With Center Support (Columbia Cascade Co. 2932-0030-E) .....	1,500.74	92.68
32 33 43 53-0217 EA Round Table With Center Support (Columbia Cascade Co. 2932-0036-E) .....	1,556.76	92.68
32 33 43 53-0218 EA Round Table With Center Support (Columbia Cascade Co. 2932-0042-E) .....	1,612.77	92.68
32 33 43 53-0219 EA Round Table With Center Support (Columbia Cascade Co. 2932-0030-P) .....	1,626.78	92.68
32 33 43 53-0220 EA Round Table With Center Support (Columbia Cascade Co. 2932-0036-P) .....	1,682.79	92.68
32 33 43 53-0221 EA Round Table With Center Support (Columbia Cascade Co. 2932-0042-P) .....	1,738.81	92.68
32 33 43 53-0222 EA Square Table With Center Support (Columbia Cascade Co. 2932-3030-E) .....	1,598.77	92.68
32 33 43 53-0223 EA Square Table With Center Support (Columbia Cascade Co. 2932-3636-E) .....	1,640.78	92.68
32 33 43 53-0224 EA Square Table With Center Support (Columbia Cascade Co. 2932-4242-E) .....	1,682.79	92.68
32 33 43 53-0225 EA Square Table With Center Support (Columbia Cascade Co. 2932-3030-P) .....	1,724.81	92.68
32 33 43 53-0226 EA Square Table With Center Support (Columbia Cascade Co. 2932-3636-P) .....	1,766.82	92.68
32 33 43 53-0227 EA Square Table With Center Support (Columbia Cascade Co. 2932-4242-P) .....	1,808.83	92.68
32 33 43 53-0228 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0030-E) .....	1,570.76	92.68
32 33 43 53-0229 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0036-E) .....	1,626.78	92.68
32 33 43 53-0230 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0042-E) .....	1,682.79	92.68
32 33 43 53-0231 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0030-P) .....	1,570.76	92.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0232 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0036-P) .....	1,626.78	92.68
32 33 43 53-0233 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0042-P) .....	1,682.79	92.68
32 33 43 53-0234 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0030-L) .....	1,570.76	92.68
32 33 43 53-0235 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0036-L) .....	1,626.78	92.68
32 33 43 53-0236 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0042-L) .....	1,682.79	92.68
32 33 43 53-0237 EA Square Table With Four Legs (Columbia Cascade Co. 2935-3030-E) .....	1,668.79	92.68
32 33 43 53-0238 EA Square Table With Four Legs (Columbia Cascade Co. 2935-3636-E) .....	1,710.80	92.68
32 33 43 53-0239 EA Square Table With Four Legs (Columbia Cascade Co. 2935-4242-E) .....	1,752.81	92.68
32 33 43 53-0240 EA Square Table With Four Legs (Columbia Cascade Co. 2935-3030-P) .....	1,668.79	92.68
32 33 43 53-0241 EA Square Table With Four Legs (Columbia Cascade Co. 2935-3636-P) .....	1,710.80	92.68
32 33 43 53-0242 EA Square Table With Four Legs (Columbia Cascade Co. 2935-4242-P) .....	1,752.81	92.68
32 33 43 53-0243 EA Square Table With Four Legs (Columbia Cascade Co. 2935-3030-L) .....	1,668.79	92.68
32 33 43 53-0244 EA Square Table With Four Legs (Columbia Cascade Co. 2935-3636-L) .....	1,710.80	92.68
32 33 43 53-0245 EA Square Table With Four Legs (Columbia Cascade Co. 2935-4242-L) .....	1,752.81	92.68
32 33 43 53-0246 EA Square Table With Center Support (Columbia Cascade Co. 2942-3030-E) .....	1,262.67	92.68
32 33 43 53-0247 EA Square Table With Center Support (Columbia Cascade Co. 2942-3636-E) .....	1,304.69	92.68
32 33 43 53-0248 EA Square Table With Center Support (Columbia Cascade Co. 2942-4242-E) .....	1,346.70	92.68
32 33 43 53-0249 EA Square Table With Center Support (Columbia Cascade Co. 2942-3030-P) .....	1,388.71	92.68
32 33 43 53-0250 EA Square Table With Center Support (Columbia Cascade Co. 2942-3636-P) .....	1,430.72	92.68
32 33 43 53-0251 EA Square Table With Center Support (Columbia Cascade Co. 2942-4242-P) .....	1,472.73	92.68
32 33 43 53-0252 EA Round Table With Center Support (Columbia Cascade Co. 2962-0030-E) .....	1,500.74	92.68
32 33 43 53-0253 EA Round Table With Center Support (Columbia Cascade Co. 2962-0036-E) .....	1,556.76	92.68
32 33 43 53-0254 EA Round Table With Center Support (Columbia Cascade Co. 2962-0042-E) .....	1,612.77	92.68
32 33 43 53-0255 EA Round Table With Center Support (Columbia Cascade Co. 2962-0030-P) .....	1,346.70	92.68
32 33 43 53-0256 EA Round Table With Center Support (Columbia Cascade Co. 2962-0036-P) .....	1,402.71	92.68
32 33 43 53-0257 EA Round Table With Center Support (Columbia Cascade Co. 2962-0042-P) .....	1,458.73	92.68
32 33 43 53-0258 EA Square Table With Center Support (Columbia Cascade Co. 2962-3030-E) .....	1,234.67	92.68
32 33 43 53-0259 EA Square Table With Center Support (Columbia Cascade Co. 2962-3636-E) .....	1,276.68	92.68
32 33 43 53-0260 EA Square Table With Center Support (Columbia Cascade Co. 2962-4242-E) .....	1,318.69	92.68
32 33 43 53-0261 EA Square Table With Center Support (Columbia Cascade Co. 2962-3030-P) .....	1,360.70	92.68
32 33 43 53-0262 EA Square Table With Center Support (Columbia Cascade Co. 2962-3636-P) .....	1,402.71	92.68
32 33 43 53-0263 EA Square Table With Center Support (Columbia Cascade Co. 2962-4242-P) .....	1,444.73	92.68
<b>32 33 43 53-0264 Picnic Tables (32 33 43 53)</b>		
<b>32 33 43 53-0265 Wooden Picnic Tables (32 33 43 53-0264)</b>		
32 33 43 53-0266 EA 6' Permanent Rectangular Redwood Table .....	1,179.95	59.51
<b>32 33 43 53-0267 Portable Picnic Tables (32 33 43 53-0264)</b>		
32 33 43 53-0268 EA 6' Wood Table With Aluminum Frame .....	1,349.56	39.68
32 33 43 53-0269 EA 6' Aluminum Table And Frame .....	1,963.42	39.68
32 33 43 53-0270 EA 8' Aluminum Table And Frame .....	2,342.13	49.60
32 33 43 53-0271 EA 6' Steel Table And Frame .....	1,223.10	39.68
32 33 43 53-0272 EA 8' Steel Table And Frame .....	1,399.30	49.60
<b>32 33 43 53-0273 Concrete Picnic Tables (32 33 43 53-0264)</b>		
32 33 43 53-0274 EA 72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quikcrete QLBT72PT) .....	2,395.93	158.70
32 33 43 53-0275 EA 96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quick Crete QLBT96PT Or QLMR96PT) .....	2,816.93	
Note: Standard sealer		
32 33 43 53-0276 EA 102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends (Quick Crete QLMR102PTADA) .....	2,825.98	
Note: Standard sealer		
32 33 43 53-0277 EA 42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches (Quick Crete QR42FC) .....	2,986.62	
Note: Includes table top, four benches and mounting hardware.		
<b>32 33 43 53-0278 Plastic Picnic Tables (32 33 43 53-0264)</b>		
Note: Manufactured from recycled plastic.		
<b>32 33 43 53-0279 Pedestal Tables - 4' Square, 2 Seats (32 33 43 53-0278)</b>		
32 33 43 53-0280 EA 3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats .....	1,335.42	59.51
32 33 43 53-0281 EA 4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats .....	1,464.63	59.51
<b>32 33 43 53-0282 Pedestal Tables - 4' Square, 4 Seats (32 33 43 53-0278)</b>		
32 33 43 53-0283 EA 3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats .....	1,754.42	59.51
32 33 43 53-0284 EA 4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats .....	1,927.93	59.51
<b>32 33 43 53-0285 Recycled Plastic Tables (32 33 43 53-0278)</b>		
32 33 43 53-0286 EA 6' Standard "Step-Over" Table, Recycled Plastic Lumber .....	2,302.00	59.51
32 33 43 53-0287 EA 6' " Walk-Through" Table, Recycled Plastic Lumber .....	1,915.05	59.51
32 33 43 53-0288 EA 7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends .....	2,092.88	59.51
32 33 43 53-0289 EA 8' " Walk-Through" Table, Recycled Plastic Lumber, ADA Ends .....	1,956.31	59.51
32 33 43 53-0290 EA 8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends .....	2,465.24	59.51
32 33 43 53-0291 EA 4' Youth Table, Recycled Plastic Lumber .....	975.45	47.61

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**32 33 53 Site Grills** (32 33)**32 33 53 00-0001 Picnic Grills** (32 33 53)

32 33 53 00-0002	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill .....	404.08	
		Note: 11 gauge with galvanized steel post.		
32 33 53 00-0003	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill .....	433.03	
		Note: 7 gauge with galvanized steel post.		

**32 33 63 Skate Board Deterrent** (32 33)**32 33 63 00-0001 Skate Stoppers** (32 33 63)

32 33 63 00-0002	EA	Aluminum Architectural Series Pieces, Skate Stopper.....	59.15	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-6.50	
		For >99 To 249, Deduct	-8.17	
		For >249, Deduct	-9.85	
32 33 63 00-0003	EA	Aluminum Fixed Angle Series Pieces, Skate Stopper.....	62.80	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-7.01	
		For >99 To 249, Deduct	-8.79	
		For >249, Deduct	-10.58	
32 33 63 00-0004	EA	Aluminum Fixed Radius Series Pieces, Skate Stopper.....	43.58	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-4.32	
		For >99 To 249, Deduct	-5.52	
		For >249, Deduct	-6.73	
32 33 63 00-0005	EA	Aluminum Bench Clips, Skate Stopper .....	34.41	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-3.03	
		For >99 To 249, Deduct	-3.96	
		For >249, Deduct	-4.90	
32 33 63 00-0006	EA	Aluminum Curve Clips, Skate Stopper.....	37.84	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-3.51	
		For >99 To 249, Deduct	-4.55	
		For >249, Deduct	-5.58	
32 33 63 00-0007	EA	Aluminum Hand Rail, Skate Stopper.....	36.10	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-3.27	
		For >99 To 249, Deduct	-4.25	
		For >249, Deduct	-5.24	
32 33 63 00-0008	EA	Aluminum 2" x 3" x 0.25" Flat Cap, Skate Stopper.....	33.85	
		Note: Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-2.95	
		For >99 To 249, Deduct	-3.87	
		For >249, Deduct	-4.79	
32 33 63 00-0009	EA	Aluminum 6" Diameter x 0.25" Rumble Disc, Skate Stopper .....	47.85	
		Note: Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-4.91	
		For >99 To 249, Deduct	-6.25	
		For >249, Deduct	-7.59	
32 33 63 00-0010	EA	Aluminum 4" x 17" x 0.25" Flat Strap, Skate Stopper.....	89.87	
		Note: Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-10.80	
		For >99 To 249, Deduct	-13.39	
		For >249, Deduct	-15.99	

**32 39 Manufactured Site Specialties** (32 39)

Note: Excludes coredrilling, augering, concrete footing and compaction See CSI section 02 41 19 13-0025 for concrete core drilling, 02 41 19 13-0163 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

**32 39 13 Manufactured Metal Bollards** (32 39)**32 39 13 00-0001 Metal Pipe Bollards** (32 39 13)

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.

**32 39 13 00-0002 Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powder Coated** (32 39 13 00-0001)

32 39 13 00-0003	LF	4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	56.28	11.77
		For Galvanized Steel, Add	5.57	
		For 304 Stainless Steel, Add	44.20	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	118.16	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	82.99	
		For Schedule 80, Add	7.27	
		For Concrete Fill, Add Per LF Of Pipe Bollard	9.08	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
<b>Site Improvements</b>	<b>32 30</b>	
<b>Manufactured Site Specialties</b>	<b>32 39</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 13 00-0004 LF 6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated .....	75.19	11.77
For Galvanized Steel, Add	8.78	
For 304 Stainless Steel, Add	69.73	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	118.16	
For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	82.99	
For Schedule 80, Add	10.10	
For Concrete Fill, Add Per LF Of Pipe Bollard	12.85	
32 39 13 00-0005 LF 8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated .....	106.03	14.72
For Galvanized Steel, Add	13.02	
For 304 Stainless Steel, Add	103.41	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	155.72	
For Each Sleeve For Removable, Lockable Bollard, Add	124.50	
For Schedule 80, Add	14.43	
For Concrete Fill, Add Per LF Of Pipe Bollard	17.18	
32 39 13 00-0006 LF 10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated .....	140.11	17.65
For Galvanized Steel, Add	17.82	
For 304 Stainless Steel, Add	141.49	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	179.20	
For Each Sleeve For Removable, Lockable Bollard, Add	135.75	
For Schedule 80, Add	19.25	
For Concrete Fill, Add Per LF Of Pipe Bollard	21.03	
32 39 13 00-0007 LF 12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated .....	177.14	23.54
For Galvanized Steel, Add	22.11	
For 304 Stainless Steel, Add	175.68	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	238.70	
For Each Sleeve For Removable, Lockable Bollard, Add	187.01	
For Schedule 80, Add	24.22	
For Concrete Fill, Add Per LF Of Pipe Bollard	24.57	
<b>32 39 23 Manufactured Concrete Bollards (32 39)</b>		
32 39 23 00-0001 Concrete Bollards (32 39 23)		
Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any.		
32 39 23 00-0002 Concrete Bollard, Exposed Aggregate (32 39 23 00-0001)		
32 39 23 00-0003 EA 12" x 12" x 30" High Concrete Bollard, Light Sandblast.....	603.86	94.16
Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 23 00-0004 EA 12" Diameter x 30" High Concrete Bollard, Light Sandblast .....	603.86	94.16
Note: Surface mounted with anchor bolts embedded into grout pockets.		
<b>32 39 25 Manufactured Wood Bollards (32 39)</b>		
32 39 25 00-0001 Wood Bollards (32 39 25)		
Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 25 00-0002 Wood Bollard, Pressure Treated Timber (32 39 25 00-0001)		
32 39 25 00-0003 LF 4" x 4", Pressure Treated Wood Bollard .....	21.76	9.42
For Each Sleeve For Removable, Lockable Bollard, Add	83.07	
32 39 25 00-0004 LF 6" x 6", Pressure Treated Wood Bollard .....	24.86	9.42
For Each Sleeve For Removable, Lockable Bollard, Add	83.07	
32 39 25 00-0005 LF 8" x 8", Pressure Treated Wood Bollard .....	31.90	10.60
For Each Sleeve For Removable, Lockable Bollard, Add	125.76	
32 39 25 00-0006 LF 10" x 10", Pressure Treated Wood Bollard .....	44.97	14.12
For Each Sleeve For Removable, Lockable Bollard, Add	139.29	
32 39 25 00-0007 LF 12" x 12", Pressure Treated Wood Bollard .....	61.73	18.83
For Each Sleeve For Removable, Lockable Bollard, Add	196.41	
<b>32 39 27 Manufactured Plastic Bollards (32 39)</b>		
32 39 27 00-0001 Plastic Bollards (32 39 27)		
See CSI section 32 31 13 13-0001 for augering and filling holes for bollards.		
32 39 27 00-0002 Recycled Plastic Bollards (32 39 27 00-0001)		
32 39 27 00-0003 EA 6" x 6" x 33" Surface Mounted Recycled Plastic Bollard.....	331.60	47.08
Note: Includes anchor bolts.		
32 39 27 00-0004 EA 6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard.....	542.98	47.08
32 39 27 00-0005 Plastic Bollard Covers (32 39 27 00-0001)		
32 39 27 00-0006 EA 4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	83.31	10.26
For Reflective Tape, Add	9.97	
32 39 27 00-0007 EA 6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe .....	89.97	11.29
For Reflective Tape, Add	9.97	
32 39 27 00-0008 EA 3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe .....	114.71	10.26
For Reflective Tape, Add	9.97	
32 39 27 00-0009 EA 3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe .....	114.71	10.26
For Reflective Tape, Add	9.97	
32 39 27 00-0010 EA 3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe .....	129.36	10.26
For Reflective Tape, Add	9.97	
32 39 27 00-0011 EA 4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe.....	114.71	10.26
For Reflective Tape, Add	9.97	

**32 Exterior Improvements****32 30 Site Improvements****32 39 Manufactured Site Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 27 00-0012	EA		4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe ..... <i>For Reflective Tape, Add</i>	116.80 9.97	10.26
32 39 27 00-0013	EA		5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe ..... <i>For Reflective Tape, Add</i>	114.71 9.97	10.26
32 39 27 00-0014	EA		5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe ..... <i>For Reflective Tape, Add</i>	116.80 9.97	10.26
32 39 27 00-0015	EA		5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe ..... <i>For Reflective Tape, Add</i>	164.94 9.97	10.26
32 39 27 00-0016	EA		6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe ..... <i>For Reflective Tape, Add</i>	116.76 9.97	11.29
32 39 27 00-0017	EA		6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe ..... <i>For Reflective Tape, Add</i>	150.25 9.97	11.29
32 39 27 00-0018	EA		6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe ..... <i>For Reflective Tape, Add</i>	171.60 9.97	11.29
32 39 27 00-0019	EA		7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe ..... <i>For Reflective Tape, Add</i>	143.92 9.97	12.32
32 39 27 00-0020	EA		8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe ..... <i>For Reflective Tape, Add</i>	156.48 9.97	12.32
32 39 27 00-0021	EA		8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe ..... <i>For Reflective Tape, Add</i>	156.48 9.97	12.32
32 39 27 00-0022	EA		10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe ..... <i>For Reflective Tape, Add</i>	213.02 9.97	12.32

**32 39 29 Manufactured Stone Bollards (32 39)****32 39 29 00-0001 Stone Bollards (32 39 29)****32 39 29 00-0002 Granite Bollards (32 39 29 00-0001)**

32 39 29 00-0003	EA		16" x 16" x 30" Granite Bollard, Smooth Matt Finish ..... Note: Surface mounted with anchors embedded into grout pockets.	1,192.45	117.70
32 39 29 00-0004	EA		16" x 16" x 54" Granite Bollard, Smooth Matt Finish ..... Note: Surface mounted with anchors embedded into grout pockets.	1,512.82	164.77
32 39 29 00-0005	EA		12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top ..... Note: Surface mounted with anchors embedded into grout pockets.	746.98	117.70
32 39 29 00-0006	EA		12" Diameter x 18" Granite Bollard, Smooth Matt Finish ..... Note: Flat Top, surface mounted with anchors embedded into grout pockets.	1,093.16	94.16
32 39 29 00-0007	EA		24" x 24" x 20" Granite Bollard, Octagonal Cross Section ..... Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	1,623.90	94.16

**32 80 Irrigation (32)****32 84 Planting Irrigation (32 80)****32 84 13 Drip Irrigation (32 84)****32 84 13 00-0001 Drip Emitter Irrigation Devices (32 84 13)****32 84 13 00-0002 Drip Emitter Irrigation Valves (32 84 13 00-0001)**

32 84 13 00-0003	EA		1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050) .....	43.91	10.47
32 84 13 00-0004	EA		1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV100) .....	69.42	10.47
32 84 13 00-0005	EA		3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075) .....	67.64	10.47
32 84 13 00-0006	EA		3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075TBOS) .....	91.61	10.47

**32 84 13 00-0007 Drip Emitter Irrigation Filters (32 84 13 00-0001)**

32 84 13 00-0008	EA		3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075) .....	142.27	10.47
32 84 13 00-0009	EA		1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100) .....	143.59	10.47
32 84 13 00-0010	EA		3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX) .....	55.05	10.47
32 84 13 00-0011	EA		1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX) .....	56.11	10.47
32 84 13 00-0012	EA		1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100) .....	154.55	10.47
32 84 13 00-0013	EA		3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY) .....	70.92	10.47
32 84 13 00-0014	EA		1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY) .....	79.18	10.47

**32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators (32 84 13 00-0001)**

32 84 13 00-0016	EA		3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075) .....	53.98	10.47
32 84 13 00-0017	EA		3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075) .....	53.98	10.47
32 84 13 00-0018	EA		3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075) .....	53.98	10.47
32 84 13 00-0019	EA		1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100) .....	62.67	10.47

**32 84 13 00-0020 Drip Emitter Irrigation Tubing (32 84 13 00-0001)**

Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.





<b>Exterior Improvements</b>		<b>32</b>
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0021 LF 1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100).....	3.93	1.46
32 84 13 00-0022 LF 1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100).....	3.70	1.67
32 84 13 00-0023 LF 1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100).....	3.09	1.46
<i>For Shallow Trenching And Backfill By Hand, Add</i>	6.00	
32 84 13 00-0024 LF 1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100).....	3.66	1.67
<i>For Shallow Trenching And Backfill By Hand, Add</i>	6.50	
<b>32 84 13 00-0025 Drip Emitter Irrigation Fittings (32 84 13 00-0001)</b>		
32 84 13 00-0026 EA 1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN) .....	2.78	
32 84 13 00-0027 EA 1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL) .....	2.81	
32 84 13 00-0028 EA 1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE) .....	2.86	
32 84 13 00-0029 EA 1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025).....	3.01	
32 84 13 00-0030 EA 1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX) .....	2.76	
32 84 13 00-0031 EA 17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP) .....	2.94	
<i>For Compression Fitting, Add</i>	0.32	
32 84 13 00-0032 EA 17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW).....	3.03	
<i>For Compression Fitting, Add</i>	0.41	
32 84 13 00-0033 EA 17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE) .....	3.07	
<i>For Compression Fitting, Add</i>	0.45	
32 84 13 00-0034 EA 17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050) .....	3.09	
<i>For Compression Fitting, Add</i>	0.47	
32 84 13 00-0035 EA 17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS) .....	3.28	
<i>For Compression Fitting, Add</i>	0.66	
32 84 13 00-0036 EA 1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP).....	3.50	
32 84 13 00-0037 EA 12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND) .....	1.73	
<b>32 84 13 00-0038 Drip Emitters (32 84 13 00-0001)</b>		
32 84 13 00-0039 EA 0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC).....	5.72	
32 84 13 00-0040 EA 5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24) .....	6.57	
32 84 13 00-0041 EA 0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056) .....	13.81	
<b>32 84 13 00-0042 Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters (32 84 13 00-0001)</b>		
32 84 13 00-0043 EA Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK) .....	22.25	9.42
32 84 13 00-0044 EA Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK) .....	22.29	9.42
32 84 13 00-0045 EA 12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL).....	24.62	9.42
32 84 13 00-0046 EA 24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL).....	24.87	9.42
32 84 13 00-0047 EA 4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL) .....	36.11	12.35
Note: Includes nozzle.		
32 84 13 00-0048 EA 6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL) .....	39.12	12.35
Note: Includes nozzle.		
32 84 13 00-0049 EA 12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL) .....	39.96	12.35
Note: Includes nozzle.		
<b>32 84 13 00-0050 Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS) (32 84 13 00-0001)</b>		
Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0051 LF 0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield) .....	4.26	1.83
<b>32 84 23 Underground Sprinklers (32 84)</b>		
<b>32 84 23 00-0001 Sprinkler Heads (32 84 23)</b>		
<b>32 84 23 00-0002 Spray Sprinkler Heads (32 84 23 00-0001)</b>		
Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003 EA 2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P).....	31.82	11.57
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0004 EA 4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P).....	30.12	11.57
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0005 EA 6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P).....	36.43	11.57
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0006 EA 12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P).....	41.72	11.57
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0007 EA 4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM) .....	32.49	11.57
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0008 EA 6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM) .....	41.38	11.57
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0009 EA 12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM) .....	45.66	11.57
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0010 EA 4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS).....	35.03	11.57
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0011 EA 6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS).....	43.13	11.57
<i>For Rotary Nozzle, Add</i>	3.25	

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0012 EA 12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS).....	47.12	11.57
For Rotary Nozzle, Add	3.25	
32 84 23 00-0013 EA 4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS).....	36.04	11.57
For Rotary Nozzle, Add	3.25	
32 84 23 00-0014 EA 6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS).....	48.47	11.57
For Rotary Nozzle, Add	3.25	
32 84 23 00-0015 EA 12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS).....	52.41	11.57
For Rotary Nozzle, Add	3.25	
32 84 23 00-0016 EA Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300).....	26.80	11.57
For Rotary Nozzle, Add	3.25	
32 84 23 00-0017 EA Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400).....	30.75	11.57
<b>32 84 23 00-0018 Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0001)</b>		
Note: Maximum spacing is equivalent to maximum radius.		
<b>32 84 23 00-0019 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018)</b>		
Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0020 EA 4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC).....	44.31	11.57
For Non-Potable Cover, Add	2.00	
32 84 23 00-0021 EA 4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM).....	45.72	11.57
For Non-Potable Cover, Add	2.00	
<b>32 84 23 00-0022 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018)</b>		
Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0023 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC).....	40.93	11.57
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0024 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC).....	56.13	11.57
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0025 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS).....	43.75	11.57
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0026 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS).....	58.38	11.57
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0027 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR).....	44.87	11.57
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0028 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR).....	47.12	11.57
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0029 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR).....	61.75	11.57
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0030 EA 12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR).....	70.76	11.57
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0031 EA Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS).....	46.84	11.57
For Non-Potable Cover, Add	2.00	
32 84 23 00-0032 EA Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR).....	55.85	11.57
For Non-Potable Cover, Add	2.00	
<b>32 84 23 00-0033 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018)</b>		
Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034 EA 4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC).....	77.23	11.57
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
For Stainless Steel Riser And High Speed Rotor, Add	41.42	
<b>32 84 23 00-0035 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018)</b>		
Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0036 EA 5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005).....	109.87	11.57
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
<b>32 84 23 00-0037 Impact-Drive Sprinkler Heads (32 84 23 00-0001)</b>		
Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		



<b>Exterior Improvements</b>		<b>32</b>
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0038 EA 1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08).....	61.47	11.57
For Non-Potable Cover, Add	2.00	
32 84 23 00-0039 EA 1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08).....	47.97	11.57
32 84 23 00-0040 EA 3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB).....	92.96	11.57
<b>32 84 23 00-0041 Electric Remote Control Irrigation Valves (32 84 23)</b>		
<b>32 84 23 00-0042 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) (32 84 23 00-0041)</b>		
Note: 15 to 150 PSI.		
32 84 23 00-0043 EA 3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV) .....	134.15	48.21
32 84 23 00-0044 EA 1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV) .....	134.15	48.21
32 84 23 00-0045 EA 1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS).....	147.92	54.96
32 84 23 00-0046 EA 1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA).....	135.28	48.21
<b>32 84 23 00-0047 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) (32 84 23 00-0041)</b>		
Note: 15 to 150 PSI.		
32 84 23 00-0048 EA 1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF) .....	135.28	48.21
32 84 23 00-0049 EA 1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS) .....	149.61	54.96
32 84 23 00-0050 EA 1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB).....	150.73	54.96
<b>32 84 23 00-0051 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) (32 84 23 00-0041)</b>		
Note: 20 to 200 PSI.		
32 84 23 00-0052 EA 1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB) .....	225.31	48.21
32 84 23 00-0053 EA 1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB) .....	264.70	48.21
32 84 23 00-0054 EA 2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB) .....	315.34	48.21
<b>32 84 23 00-0055 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) (32 84 23 00-0041)</b>		
Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0056 EA 1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D) .....	323.10	54.19
32 84 23 00-0057 EA 1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D) .....	362.49	54.19
32 84 23 00-0058 EA 2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D) .....	413.14	54.19
<b>32 84 23 00-0059 20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) (32 84 23 00-0041)</b>		
Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0060 EA 1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D).....	379.37	54.19
32 84 23 00-0061 EA 1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D) .....	418.76	54.19
32 84 23 00-0062 EA 2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D).....	469.41	54.19
<b>32 84 23 00-0063 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) (32 84 23 00-0041)</b>		
Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064 EA 1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B) .....	337.34	48.21
32 84 23 00-0065 EA 1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B) .....	518.43	48.21
32 84 23 00-0066 EA 2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B) .....	534.80	48.21
32 84 23 00-0067 EA 3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B) .....	1,259.82	65.09
<b>32 84 23 00-0068 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series) (32 84 23 00-0041)</b>		
Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0069 EA 1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP) .....	310.89	54.19
32 84 23 00-0070 EA 1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP) .....	364.74	54.19
32 84 23 00-0071 EA 1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP) .....	423.21	54.19
32 84 23 00-0072 EA 2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP) .....	500.19	54.19

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 84 23 00-0073		<b>0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series)</b> <small>(32 84 23 00-0041)</small>		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS).....	412.11	54.19
32 84 23 00-0075	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS).....	626.96	54.19
32 84 23 00-0076	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS).....	645.38	54.19
32 84 23 00-0077	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS).....	1,347.23	54.19
32 84 23 00-0078		<b>0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series)</b> <small>(32 84 23 00-0041)</small>		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0079	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ).....	419.19	48.21
32 84 23 00-0080	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ).....	600.27	48.21
32 84 23 00-0081	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ).....	616.64	48.21
32 84 23 00-0082	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ).....	1,341.67	65.09
32 84 23 00-0083		<b>5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series)</b> <small>(32 84 23 00-0041)</small>		
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0084	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D).....	395.30	54.19
32 84 23 00-0085	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D).....	449.15	54.19
32 84 23 00-0086	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D).....	507.61	54.19
32 84 23 00-0087	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D).....	584.59	54.19
32 84 23 00-0088		<b>0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series)</b> <small>(32 84 23 00-0041)</small>		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0089	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ).....	493.96	54.19
32 84 23 00-0090	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ).....	708.81	54.19
32 84 23 00-0091	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ).....	727.23	54.19
32 84 23 00-0092	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ).....	1,429.07	54.19
32 84 23 00-0093		<b>Other Electric Remote Control Valves/Accessories</b> <small>(32 84 23 00-0041)</small>		
32 84 23 00-0094	EA	Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL).....	122.98	
32 84 23 00-0095		<b>Remote Control Valve Assemblies</b> <small>(32 84 23 00-0041)</small>		
		Note: Includes excavation and disposal of soil, installation of 6" minimum depth gravel or crushed rock, woven wire cloth, valve, fittings, valve box (Carson 1419-12), as detailed in the Caltrans Standard Plans 2010 page 224.		
32 84 23 00-0096	EA	1" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12).....	488.55	120.53
32 84 23 00-0097	EA	1-1/2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12).....	527.94	120.53
32 84 23 00-0098	EA	2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12).....	578.58	120.53
32 84 23 00-0099	EA	1" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12).....	544.82	120.53
		Note: Purple components for use with recycled water		
32 84 23 00-0100	EA	1-1/2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12).....	584.21	120.53
		Note: Purple components for use with recycled water		
32 84 23 00-0101	EA	2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12).....	634.86	120.53
		Note: Purple components for use with recycled water		
32 84 23 00-0102	EA	1" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12).....	560.75	120.53
		Note: Purple components for use with recycled water		



		<b>Exterior Improvements</b>	<b>32</b>
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0103	EA	1-1/2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12) ..... Note: Purple components for use with recycled water	673.06	120.53
32 84 23 00-0104	EA	2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12) ..... Note: Purple components for use with recycled water	750.04	120.53
<b>32 84 23 00-0105</b>		<b>Irrigation Valve Boxes</b> (32 84 23) Note: Includes lid.		
32 84 23 00-0106	EA	6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND) .....	81.53	34.71
32 84 23 00-0107	EA	7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND).....	94.82	34.71
32 84 23 00-0108	EA	10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND).....	124.39	45.70
32 84 23 00-0109	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD).....	220.08	66.72
32 84 23 00-0110	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH) .....	225.05	66.72
32 84 23 00-0111	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB).....	260.70	66.72
32 84 23 00-0112	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH).....	264.95	66.72
32 84 23 00-0113	EA	33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH).....	468.68	66.72
32 84 23 00-0114	EA	40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH).....	732.56	66.72
32 84 23 00-0115	EA	Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Concrete Lid.....	420.32	118.92
		<i>For 12" Extension, Add</i>	93.11	
32 84 23 00-0116	EA	Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Steel Lid .....	679.55	118.92
		<i>For 12" Extension, Add</i>	93.11	
32 84 23 00-0117	EA	12" x 17" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1419-12).....	180.01	57.85
32 84 23 00-0118	EA	15" x 21" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1220-12).....	262.94	66.72
32 84 23 00-0119	EA	10" Round Irrigation Valve Box With Lid (Carson 910-10).....	137.82	45.70
<b>32 84 23 00-0120</b>		<b>Irrigation Controllers</b> (32 84 23) See CSI section 27 15 13 00-0256 for low voltage wiring.		
<b>32 84 23 00-0121</b>		<b>Irrigation Controllers</b> (32 84 23 00-0120)		
<b>32 84 23 00-0122</b>		<b>Irrigation Controllers (Rain Bird®)</b> (32 84 23 00-0121)		
<b>32 84 23 00-0123</b>		<b>Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series)</b> (32 84 23 00-0122)		
<b>32 84 23 00-0124</b>		<b>Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series)</b> (32 84 23 00-0123)		
<b>32 84 23 00-0125</b>		<b>Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series)</b> (32 84 23 00-0124)		
32 84 23 00-0126	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) .....	351.82	31.74
32 84 23 00-0127	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) .....	491.26	31.74
32 84 23 00-0128	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) .....	630.72	31.74
32 84 23 00-0129	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) .....	770.16	31.74
32 84 23 00-0130	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) .....	877.87	31.74
32 84 23 00-0131	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) .....	1,021.29	31.74
32 84 23 00-0132	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) .....	1,164.71	31.74
<b>32 84 23 00-0133</b>		<b>Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series)</b> (32 84 23 00-0124)		
32 84 23 00-0134	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	413.38	31.74
32 84 23 00-0135	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	552.82	31.74
32 84 23 00-0136	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	692.28	31.74
32 84 23 00-0137	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	831.72	31.74
32 84 23 00-0138	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	939.43	31.74
32 84 23 00-0139	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,082.85	31.74
32 84 23 00-0140	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,226.27	31.74
<b>32 84 23 00-0141</b>		<b>Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series)</b> (32 84 23 00-0123)		
<b>32 84 23 00-0142</b>		<b>Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series)</b> (32 84 23 00-0141)		
32 84 23 00-0143	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	565.66	31.74
32 84 23 00-0144	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	705.10	31.74
32 84 23 00-0145	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	844.56	31.74
32 84 23 00-0146	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	984.00	31.74
32 84 23 00-0147	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,091.72	31.74
32 84 23 00-0148	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,235.13	31.74
32 84 23 00-0149	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,378.55	31.74
<b>32 84 23 00-0150</b>		<b>Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series)</b> (32 84 23 00-0141)		
32 84 23 00-0151	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	611.79	31.74
32 84 23 00-0152	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	751.23	31.74
32 84 23 00-0153	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	890.69	31.74

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0154 EA 13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series) .....	1,030.12	31.74
32 84 23 00-0155 EA 16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series) .....	1,137.84	31.74
32 84 23 00-0156 EA 19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series) .....	1,281.26	31.74
32 84 23 00-0157 EA 22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series) .....	1,424.68	31.74
<b>32 84 23 00-0158 Accessories For ESP-ME/MEI Irrigation Controllers</b> (32 84 23 00-0123)		
32 84 23 00-0159 EA 3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3) .....	143.42	
Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.		
32 84 23 00-0160 EA 6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6) .....	273.99	
Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.		
32 84 23 00-0161 EA Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG).....	394.06	
<b>32 84 23 00-0162 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series)</b> (32 84 23 00-0122)		
<b>32 84 23 00-0163 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series)</b> (32 84 23 00-0162)		
32 84 23 00-0164 EA 12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) .....	837.51	31.74
32 84 23 00-0165 EA 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) .....	1,013.42	31.74
32 84 23 00-0166 EA 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) .....	1,192.31	31.74
32 84 23 00-0167 EA 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) .....	1,368.21	31.74
32 84 23 00-0168 EA 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) .....	1,547.11	31.74
32 84 23 00-0169 EA 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) .....	1,723.02	31.74
32 84 23 00-0170 EA 36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) .....	1,901.91	31.74
32 84 23 00-0171 EA 40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) .....	2,077.82	31.74
32 84 23 00-0172 EA 44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) .....	2,256.72	31.74
32 84 23 00-0173 EA 48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) .....	2,432.62	31.74
<b>32 84 23 00-0174 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series)</b> (32 84 23 00-0162)		
32 84 23 00-0175 EA 8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) .....	840.74	31.74
32 84 23 00-0176 EA 12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) .....	1,016.65	31.74
32 84 23 00-0177 EA 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) .....	1,195.54	31.74
32 84 23 00-0178 EA 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) .....	1,371.44	31.74
32 84 23 00-0179 EA 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) .....	1,550.33	31.74
32 84 23 00-0180 EA 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) .....	1,726.24	31.74
32 84 23 00-0181 EA 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) .....	1,905.14	31.74
32 84 23 00-0182 EA 36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) .....	2,081.05	31.74
32 84 23 00-0183 EA 40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) .....	2,259.94	31.74
32 84 23 00-0184 EA 44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) .....	2,435.85	31.74
32 84 23 00-0185 EA 48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) .....	2,614.74	31.74
<b>32 84 23 00-0186 Accessories For ESP-LX/LXME Irrigation Controllers</b> (32 84 23 00-0162)		
32 84 23 00-0187 EA Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM) .....	624.21	
32 84 23 00-0188 EA Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMPED + LXMM) .....	1,449.96	
Note: Excludes concrete foundation.		
32 84 23 00-0189 EA Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS) .....	1,378.06	
32 84 23 00-0190 EA Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS) .....	3,062.17	
Note: Excludes concrete foundation.		
32 84 23 00-0191 EA 4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4).....	175.91	
Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0192 EA 8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8).....	354.81	
Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0193 EA 12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12).....	551.24	
Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0194 EA Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME) .....	205.29	
<b>32 84 23 00-0195 Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series)</b> (32 84 23 00-0122)		
<b>32 84 23 00-0196 Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series)</b> (32 84 23 00-0195)		
32 84 23 00-0197 EA 1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series) .....	408.70	31.74
32 84 23 00-0198 EA 2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series) .....	492.68	31.74
32 84 23 00-0199 EA 4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series) .....	609.90	31.74
<b>32 84 23 00-0200 Accessories For TBOS-II Series Irrigation Controllers</b> (32 84 23 00-0195)		



<b>Exterior Improvements</b>		<b>32</b>
Irrigation		32 80
Planting Irrigation		32 84

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0201 EA Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS) .....	522.47	
32 84 23 00-0202 EA Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPOL) .....	102.38	23.80
<b>32 84 23 00-0203 Accessories For Irrigation Controllers (Rain Bird®) (32 84 23 00-0122)</b>		
32 84 23 00-0204 EA Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDTBX) .....	144.48	23.80
32 84 23 00-0205 EA Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC) .....	297.53	23.80
32 84 23 00-0206 EA Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC) .....	315.44	23.80
32 84 23 00-0207 EA Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y) .....	470.69	23.80
<b>32 84 23 00-0208 Two-Wire Decoder Systems (32 84 23 00-0120)</b>		
<b>32 84 23 00-0209 Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0208)</b>		
<b>32 84 23 00-0210 Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) (32 84 23 00-0209)</b>		
Note: Includes water resistant cabinet.		
32 84 23 00-0211 EA 50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) .....	2,436.74	31.74
32 84 23 00-0212 EA 125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) .....	3,454.94	31.74
32 84 23 00-0213 EA 200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) .....	4,473.13	31.74
<b>32 84 23 00-0214 Field Decoders For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0209)</b>		
32 84 23 00-0215 EA One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF) .....	297.53	31.74
32 84 23 00-0216 EA One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF) .....	379.10	31.74
32 84 23 00-0217 EA Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF) .....	568.15	31.74
32 84 23 00-0218 EA Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF) .....	694.70	31.74
32 84 23 00-0219 EA Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF) .....	1,153.06	31.74
<b>32 84 23 00-0220 Accessories For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0209)</b>		
32 84 23 00-0221 EA 50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD) .....	1,806.95	
32 84 23 00-0222 EA 75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75) .....	1,018.19	
32 84 23 00-0223 EA Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF) .....	224.70	27.77
32 84 23 00-0224 EA Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF) .....	1,027.26	31.74
<b>32 84 23 00-0225 Rain Bird® Controllers (32 84 23 00-0120)</b>		
32 84 23 00-0226 EA Rainmaster Evolution Dx2 Controller .....	7,276.09	296.97
Note: Includes phone modem and remote plug.		
32 84 23 00-0227 EA Rainmaster Promax Remote Control System .....	4,314.42	
<b>32 84 23 00-0228 Rain Sensor (32 84 23 00-0120)</b>		
32 84 23 00-0229 EA Mini Click Rain Sensor .....	159.98	
<b>32 84 23 00-0230 Calsense Controllers (32 84 23 00-0120)</b>		
<b>32 84 23 00-0231 Irrigation Controllers (32 84 23 00-0230)</b>		
32 84 23 00-0232 EA 6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6) .....	2,680.62	79.34
32 84 23 00-0233 EA 8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8) .....	3,462.89	89.26
32 84 23 00-0234 EA 12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12) .....	4,761.28	99.18
32 84 23 00-0235 EA 16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16) .....	5,242.21	99.18
32 84 23 00-0236 EA 24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24) .....	6,200.42	109.10
32 84 23 00-0237 EA 32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32) .....	7,490.71	109.10
32 84 23 00-0238 EA 40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40) .....	8,484.12	119.02
32 84 23 00-0239 EA 48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48) .....	9,504.62	119.02
32 84 23 00-0240 EA Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE) .....	2,745.22	39.68
32 84 23 00-0241 EA Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE) .....	1,145.69	39.68
<b>32 84 23 00-0242 Irrigation Controller Accessories (32 84 23 00-0230)</b>		
32 84 23 00-0243 EA Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1) .....	112.61	
32 84 23 00-0244 EA Spare Lock For Enclosures (Calsense PAD) .....	121.99	
32 84 23 00-0245 EA Hardware And Software For Up To 4 Additional Light Circuits (Calsense L) .....	141.83	9.92
32 84 23 00-0246 EA Transformer For Irrigation Controllers (Calsense TR-1) .....	196.64	39.68
32 84 23 00-0247 EA AC Line Protection For Irrigation Controllers (Calsense TP-110) .....	560.26	39.68
32 84 23 00-0248 EA Transient Protection Board For Irrigation Controller Stations (Calsense TP-1) .....	747.94	39.68
<i>For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add</i>		348.53
<b>32 84 23 00-0249 Sensors For Irrigation Controllers (32 84 23 00-0230)</b>		
<b>32 84 23 00-0250 Flow Sensors (32 84 23 00-0249)</b>		
32 84 23 00-0251 EA 1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5) .....	1,315.46	59.51
<i>For Flow Meter Replacement Insert Only, Deduct</i>		-941.11

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0252	EA		2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2) .....	1,362.38	59.51
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-988.03	
32 84 23 00-0253	EA		3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3) .....	1,409.30	59.51
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,034.95	
32 84 23 00-0254	EA		1" Brass Tee Mounted Flow Meter (Calsense FM 1B) .....	1,554.55	79.34
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,179.89	
32 84 23 00-0255	EA		1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B) .....	1,671.85	79.34
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,297.19	
32 84 23 00-0256	EA		1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B) .....	1,718.77	79.34
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,344.11	
32 84 23 00-0257	EA		2" Brass Tee Mounted Flow Meter (Calsense FM 2B) .....	2,023.75	79.34
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,520.90	
32 84 23 00-0258	EA		2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX) .....	1,580.76	39.68
			Note: For 4" and larger pipe. Excludes pipe saddle.		
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,077.92	
<b>32 84 23 00-0259</b>			<b>Moisture Sensors</b> (32 84 23 00-0249)		
32 84 23 00-0260	EA		Soil Moisture Sensor (Calsense 1000-S) .....	552.16	29.76
<b>32 84 23 00-0261</b>			<b>Weather Sensors</b> (32 84 23 00-0249)		
32 84 23 00-0262	EA		Wind Gage, Irrigation Weather Sensor (Calsense WG-1) .....	1,507.63	79.34
32 84 23 00-0263	EA		Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1) .....	1,713.24	158.70
32 84 23 00-0264	EA		ET Gage, Irrigation Weather Sensor (Calsense ETG) .....	3,463.75	119.02
<b>32 84 23 00-0265</b>			<b>Weather Sensor Accessories</b> (32 84 23 00-0249)		
32 84 23 00-0266	EA		Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C) .....	1,017.73	
32 84 23 00-0267	EA		Removal And Replacement Of Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB) .....	1,932.66	
32 84 23 00-0268	EA		Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE) .....	1,017.73	39.68
32 84 23 00-0269	EA		Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE) .....	2,373.92	39.68
<b>32 84 23 00-0270</b>			<b>Antennas For Irrigation Controllers</b> (32 84 23 00-0230)		
			Note: Excludes antenna cable.		
32 84 23 00-0271	EA		Local Radio Dome Antenna (Calsense LR-DOME) .....	525.07	39.68
32 84 23 00-0272	EA		Local Radio Stick Antenna (Calsense LR-STICK) .....	771.40	39.68
32 84 23 00-0273	EA		Local Radio Yagi Antenna (Calsense LR-YAGI) .....	850.76	79.34
32 84 23 00-0274	EA		Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR) .....	525.07	39.68
32 84 23 00-0275	EA		Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE) .....	525.07	39.68
32 84 23 00-0276	EA		GPRS Stubby Antenna (Calsense GR-STUBBY) .....	525.07	39.68
32 84 23 00-0277	EA		GPRS Stick Antenna (Calsense GR-STICK) .....	771.40	39.68
32 84 23 00-0278	EA		Spread Spectrum Dome Antenna (Calsense SR-DOME) .....	525.07	39.68
32 84 23 00-0279	EA		Spread Spectrum Stick Antenna (Calsense SR-STICK) .....	771.40	39.68
32 84 23 00-0280	EA		Spread Spectrum Yagi Antenna (Calsense SR-YAGI) .....	850.76	79.34
32 84 23 00-0281	EA		Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR) .....	525.07	39.68
32 84 23 00-0282	EA		Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE) .....	525.07	39.68
32 84 23 00-0283	EA		Spread Spectrum Stubby Antenna (Calsense SR-STUBBY) .....	525.07	39.68
32 84 23 00-0284	EA		WiFi Stubby Antenna (Calsense WEN-STUBBY) .....	525.07	39.68
32 84 23 00-0285	LF		Antenna Cable With End Connectors (Calsense LMR-400-DB) .....	14.56	0.47
32 84 23 00-0286	EA		Surge Protection Device For Antenna (Calsense ANT-PROT) .....	532.33	19.84
32 84 23 00-0287	EA		5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5) .....	865.24	39.68
32 84 23 00-0288	EA		3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM) .....	762.44	
32 84 23 00-0289	EA		Local Radio Frequency Filter (Calsense LR-FILTER) .....	1,079.15	
32 84 23 00-0290	EA		Spread Spectrum Frequency Filter (Calsense SR-FILTER) .....	797.63	
<b>32 84 23 00-0291</b>			<b>Pedestals And Enclosures For Irrigation Controllers</b> (32 84 23 00-0230)		
32 84 23 00-0292	EA		15 Amperes, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER) .....	470.92	59.51
32 84 23 00-0293	EA		Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX) .....	1,158.09	99.18
32 84 23 00-0294	EA		Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP) .....	1,310.97	39.68
			Note: Includes GFI and receptacle.		
32 84 23 00-0295	EA		Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1) .....	1,572.66	29.76
			Note: Includes factory installed transient protection board and AC line protection.		
32 84 23 00-0296	EA		Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE) .....	4,952.46	29.76
			Note: Includes factory installed transient protection board and AC line protection.		
32 84 23 00-0297	EA		Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R) .....	5,596.00	29.76
			Note: Includes factory installed transient protection board, AC line protection and dome antenna.		
32 84 23 00-0298	EA		Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D) .....	8,113.45	59.51
			Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.		
32 84 23 00-0299	EA		Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R) .....	8,505.33	59.51
			Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.		
32 84 23 00-0300	EA		Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM) .....	275.76	
32 84 23 00-0301	EA		Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED) .....	892.33	
<b>32 84 23 00-0302</b>			<b>Central Computer For Irrigation Control Systems</b> (32 84 23 00-0230)		





		<b>Exterior Improvements</b>	<b>32</b>
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0303 EA Central Computer For Irrigation Control Systems (Calsense COMP-2).....	6,242.84	
Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.		
32 84 23 00-0304 EA Command Center Water Management Software For Central Computer (Calsense COMM-1).....	11,062.74	
32 84 23 00-0305 EA Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5).....	2,119.06	
Note: Package price for up to 5 users. Includes remote communication through internet connection.		
32 84 23 00-0306 EA >5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10).....	4,182.56	
Note: Package price for 6 to 10 users. Includes remote communication through internet connection.		
32 84 23 00-0307 EA Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2).....	6,737.84	
32 84 23 00-0308 EA GPRS Radio For Use At Central Computer (Calsense DTR-G).....	4,030.80	
<b>32 84 23 00-0309 Data Access Service</b> (32 84 23 00-0230)		
32 84 23 00-0310 EA 1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN).....	34.12	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0311 EA 1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR).....	373.22	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0312 EA 5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR).....	1,599.52	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0313 EA 1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M).....	138.63	
Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0314 EA 1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M).....	1,492.89	
Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0315 EA 5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M).....	6,398.10	
Note: For communication between GPRS unit and multiple controllers.		
<b>32 84 23 00-0316 Communication Options For Irrigation Controllers</b> (32 84 23 00-0230)		
32 84 23 00-0317 EA FCC License Fee (Calsense).....	220.96	
32 84 23 00-0318 EA P.C.I.A. And/Or A.P.C.O. Fee (Calsense).....	434.23	
Note: Per frequency or frequency pair.		
32 84 23 00-0319 EA Hardware Communication Option For Irrigation Controllers (Calsense M).....	1,236.97	
Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.		
32 84 23 00-0320 EA Phone Line Communication Option For Irrigation Controllers (Calsense R).....	1,300.95	
32 84 23 00-0321 EA Ethernet Communication Option For Irrigation Controllers (Calsense EN).....	1,300.95	
32 84 23 00-0322 EA WiFi Communication Option For Irrigation Controllers (Calsense WEN).....	2,665.88	
32 84 23 00-0323 EA Local Radio Communication Option For Irrigation Controllers (Calsense LR).....	3,390.99	
32 84 23 00-0324 EA Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR).....	3,390.99	
32 84 23 00-0325 EA GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR).....	3,390.99	
32 84 23 00-0326 EA Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM).....	10,876.77	
32 84 23 00-0327 EA Communication Hub For Irrigation Controllers (Calsense HUB).....	4,182.45	
Note: Accepts up to two communication options. Excludes communication options.		
<b>32 84 23 00-0328 Retrofit Options For Irrigation Controllers</b> (32 84 23 00-0230)		
<b>32 84 23 00-0329 Weather Retrofits For Irrigation Controllers</b> (32 84 23 00-0328)		
32 84 23 00-0330 EA Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO).....	1,646.87	
32 84 23 00-0331 EA Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO).....	1,646.87	
32 84 23 00-0332 EA Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO).....	1,646.87	
32 84 23 00-0333 EA Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO).....	1,646.87	
<b>32 84 23 00-0334 Phone Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0328)		
32 84 23 00-0335 EA Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO).....	1,732.18	
32 84 23 00-0336 EA Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO).....	2,052.09	
32 84 23 00-0337 EA Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO).....	3,299.72	
<b>32 84 23 00-0338 Local Radio Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0328)		
32 84 23 00-0339 EA Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO).....	1,945.45	
32 84 23 00-0340 EA Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO).....	4,120.81	
32 84 23 00-0341 EA Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO).....	5,357.77	
<b>32 84 23 00-0342 Spread Spectrum Radio Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0328)		
32 84 23 00-0343 EA Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro).....	1,945.45	
32 84 23 00-0344 EA Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO).....	4,120.81	
32 84 23 00-0345 EA Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO).....	5,357.77	
<b>32 84 23 00-0346 Ethernet Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0328)		
32 84 23 00-0347 EA Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro).....	1,945.45	

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0348 EA Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO) .....	2,052.09	
32 84 23 00-0349 EA Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO) .....	3,299.72	
<b>32 84 23 00-0350 GPRS Radio Modem Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0328)		
32 84 23 00-0351 EA Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO) .....	1,945.45	
32 84 23 00-0352 EA Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO) .....	4,120.81	
32 84 23 00-0353 EA Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO) .....	5,357.77	
<b>32 84 23 00-0354 Radio Remote Units For Irrigation Controllers</b> (32 84 23 00-0230)		
32 84 23 00-0355 EA Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN) .....	1,956.12	
32 84 23 00-0356 EA Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe) .....	422.27	
Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.		
32 84 23 00-0357 EA Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG) .....	181.28	
32 84 23 00-0358 EA Removal And Replacement Of Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT) .....	318.42	
32 84 23 00-0359 EA Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT) .....	201.12	9.92
Note: Excludes antenna cable.		
32 84 23 00-0360 EA Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP) .....	393.06	9.92
Note: Excludes antenna cable.		
32 84 23 00-0361 EA Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome) .....	425.05	9.92
Note: Excludes antenna cable.		
<b>32 84 23 00-0362 Satellite Irrigation Controllers (Rain Bird® ESP-SAT)</b> (32 84 23 00-0120)		
Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0363 EA 12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS) .....	4,557.92	178.53
32 84 23 00-0364 EA 24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS) .....	4,806.67	188.45
32 84 23 00-0365 EA 40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS) .....	6,698.66	198.37
<b>32 84 23 00-0366 LEIT Controllers</b> (32 84 23 00-0120)		
<b>32 84 23 00-0367 LEIT X Series Irrigation Controller</b> (32 84 23 00-0366)		
32 84 23 00-0368 EA 10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) .....	4,298.27	31.74
32 84 23 00-0369 EA 12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) .....	4,717.78	31.74
32 84 23 00-0370 EA 16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) .....	5,394.65	31.74
32 84 23 00-0371 EA 20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) .....	6,071.52	31.74
32 84 23 00-0372 EA 24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) .....	6,546.58	31.74
32 84 23 00-0373 EA 28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) .....	7,021.63	31.74
<b>32 84 23 00-0374 LEIT X Series Irrigation Controller Assembly</b> (32 84 23 00-0366)		
Note: Includes excavation and concrete for footing, 2" diameter galvanized steel pole (minimum 18" bury), 2" sweeps, controller, and number 5 concrete box with non-traffic rated lid per detail.		
32 84 23 00-0375 EA 10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole .....	4,830.07	166.02
32 84 23 00-0376 EA 12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole .....	5,249.58	166.02
32 84 23 00-0377 EA 16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole .....	5,926.45	166.02
32 84 23 00-0378 EA 20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole .....	6,603.33	166.02
32 84 23 00-0379 EA 24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole .....	7,078.38	166.02
32 84 23 00-0380 EA 28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole .....	7,553.43	166.02
<b>32 84 23 00-0381 Enclosure For LEIT Controller Assembly</b> (32 84 23 00-0366)		
Note: Includes mounting bolts to concrete foundation and installation of enclosure per detail.		
32 84 23 00-0382 EA 12" x 12" x 54" Milled Steel, #9 Expanded Metal, Painted Per Detail, Enclosure With Access Hatch .....	3,277.78	228.50
Note: For LEIT Controller		
<b>32 84 23 00-0383 Hunter Controllers</b> (32 84 23 00-0120)		
<b>32 84 23 00-0384 Hunter XC Hybrid Controller</b> (32 84 23 00-0383)		
Note: Operates DC latching solenoids with battery power or a plug in 24 VAC transformer. Includes 6 AA batteries, outdoor stainless steel enclosure and installation of controller in Irrigation Controller Enclosure.		
32 84 23 00-0385 EA 6 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-600-SS) .....	693.44	79.34
32 84 23 00-0386 EA 12 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-1200-SS) .....	882.88	99.18
<b>32 84 23 00-0387 DC Latching Solenoid</b> (32 84 23 00-0120)		
32 84 23 00-0388 EA DC Latching Solenoid (Micro Power Solenoid) For Non LEIT Controllers .....	37.22	
Note: As per manufacture of valve.		
32 84 23 00-0389 EA DC Solenoid For LEIT Controllers (DIG S-305DC) .....	59.95	
<b>32 84 23 00-0390 Irrigation Controller Enclosure Cabinet</b> (32 84 23 00-0120)		
Note: Includes excavation, installation of concrete foundation, mounting bolts, sweeps, number 5 concrete pull box with non-traffic rated lid and installation of enclosure per detail.		



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0391	EA	35" (H) x 18" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan).....	3,054.48	436.04
32 84 23 00-0392	EA	35" (H) x 24" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan).....	3,293.73	475.68
32 84 23 00-0393	EA	35" (H) x 36" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan).....	3,642.69	515.32
32 84 23 00-0394	EA	35" (H) x 18" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Irrigation Controller Enclosure Cabinet, .....	3,054.50	436.04
32 84 23 00-0395	EA	35" (H) x 24" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet .....	3,293.73	475.68
32 84 23 00-0396	EA	35" (H) x 36" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet .....	3,642.69	515.32
32 84 23 00-0397	EA	35" (H) x 18" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet.....	3,827.02	436.04
32 84 23 00-0398	EA	35" (H) x 24" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet .....	4,162.81	475.68
32 84 23 00-0399	EA	35" (H) x 36" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet .....	4,511.77	515.32
32 84 23 00-0400		<b>Irrigation Valves</b> <small>(32 84 23)</small>		
32 84 23 00-0401		<b>Reduced Pressure Zone Valves With QT Shut-Offs</b> <small>(32 84 23 00-0400)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0402	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series) .....	783.30	39.78
32 84 23 00-0403	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....	929.04	48.58
32 84 23 00-0404	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,408.22	56.54
32 84 23 00-0405	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,487.69	64.91
32 84 23 00-0406	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....	1,783.44	83.75
32 84 23 00-0407		<b>Brass Quick-Coupling Irrigation Valves</b> <small>(32 84 23 00-0400)</small>		
32 84 23 00-0408	EA	3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC).....	149.16	34.71
		<i>For Valve Key, Add</i>	41.36	
32 84 23 00-0409	EA	3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC) .....	153.94	34.71
		<i>For Locking Cover, Add</i>	25.00	
		<i>For Valve Key, Add</i>	41.36	
32 84 23 00-0410	EA	1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC).....	206.55	34.71
		<i>For Valve Key, Add</i>	105.79	
32 84 23 00-0411	EA	1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC).....	225.68	34.71
		<i>For Valve Key, Add</i>	105.79	
32 84 23 00-0412	EA	1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP).....	216.68	34.71
32 84 23 00-0413	EA	1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP).....	225.68	34.71
32 84 23 00-0414		<b>Anti-Siphon Pressure Type Vacuum Breaker</b> <small>(32 84 23 00-0400)</small> Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0415	EA	3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	262.07	29.31
32 84 23 00-0416	EA	1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	376.09	33.50
32 84 23 00-0417	EA	1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	683.79	38.73
32 84 23 00-0418	EA	1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	832.99	42.92
32 84 23 00-0419	EA	2" Anti-Siphon Pressure Type Vacuum Breaker .....	839.60	52.35
32 84 23 00-0420		<b>Aluminum Cam And Groove Adapter</b> <small>(32 84 23 00-0400)</small>		
32 84 23 00-0421	EA	1-1/2" Type A Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Female Pipe Thread.....	38.33	
32 84 23 00-0422	EA	2" Type A Aluminum Cam And Groove Male Adapter x 2" NPT Female Pipe Thread.....	40.50	
32 84 23 00-0423	EA	1-1/2" Type F Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Male Pipe Thread.....	39.54	
32 84 23 00-0424	EA	2" Type F Aluminum Cam And Groove Male Adapter x 2" NPT Male Pipe Thread .....	42.78	
32 84 23 00-0425		<b>Manual Sprinkler Control Valves</b> <small>(32 84 23 00-0400)</small>		
32 84 23 00-0426	EA	3/4" Manual Sprinkler Control Valves, With Union .....	94.10	28.26
32 84 23 00-0427	EA	1" Manual Sprinkler Control Valves, With Union.....	114.74	30.36
32 84 23 00-0428	EA	1-1/4" Manual Sprinkler Control Valves, With Union.....	177.86	38.42
32 84 23 00-0429	EA	1-1/2" Manual Sprinkler Control Valves, With Union.....	211.14	44.29
32 84 23 00-0430	EA	2" Manual Sprinkler Control Valves, With Union.....	284.89	52.35
32 84 23 00-0431		<b>Irrigation Piping</b> <small>(32 84 23)</small>		
32 84 23 00-0432		<b>Irrigation Piping With Fittings, On Grade With Pipe Stabilizers</b> <small>(32 84 23 00-0431)</small> Note: Install stabilizers every 20', at change of direction and at sprinkler heads less than 12" tall.		
32 84 23 00-0433		<b>Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers</b> <small>(32 84 23 00-0432)</small>		
32 84 23 00-0434	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	2.84	0.97
		<i>For &gt;1,000, Deduct</i>	-0.14	
32 84 23 00-0435	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	3.46	1.21
		<i>For &gt;1,000, Deduct</i>	-0.17	
32 84 23 00-0436	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	4.14	1.44
		<i>For &gt;1,000, Deduct</i>	-0.21	
32 84 23 00-0437	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	5.46	1.83
		<i>For &gt;1,000, Deduct</i>	-0.27	
32 84 23 00-0438	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	6.81	2.30
		<i>For &gt;1,000, Deduct</i>	-0.34	

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0439	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	8.61	2.68
			<i>For &gt;1,000, Deduct</i>	-0.43	
32 84 23 00-0440	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	11.80	3.86
			<i>For &gt;1,000, Deduct</i>	-0.59	
32 84 23 00-0441	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	15.34	4.82
			<i>For &gt;1,000, Deduct</i>	-0.77	
32 84 23 00-0442	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	21.68	6.03
			<i>For &gt;1,000, Deduct</i>	-1.08	
<b>32 84 23 00-0443</b>			<b>Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers</b> <small>(32 84 23 00-0432)</small>		
32 84 23 00-0444	LF		3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers .....	3.28	1.21
			<i>For &gt;1,000, Deduct</i>	-0.16	
32 84 23 00-0445	LF		1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers .....	3.85	1.44
			<i>For &gt;1,000, Deduct</i>	-0.19	
32 84 23 00-0446	LF		1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers .....	5.25	1.83
			<i>For &gt;1,000, Deduct</i>	-0.26	
32 84 23 00-0447	LF		2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers .....	6.64	2.30
			<i>For &gt;1,000, Deduct</i>	-0.33	
32 84 23 00-0448	LF		2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers .....	8.35	2.68
			<i>For &gt;1,000, Deduct</i>	-0.42	
32 84 23 00-0449	LF		3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	11.70	3.86
			<i>For &gt;1,000, Deduct</i>	-0.59	
32 84 23 00-0450	LF		4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	15.89	4.82
			<i>For &gt;1,000, Deduct</i>	-0.79	
32 84 23 00-0451	LF		6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	25.16	6.03
			<i>For &gt;1,000, Deduct</i>	-1.26	
<b>32 84 23 00-0452</b>			<b>Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers</b> <small>(32 84 23 00-0432)</small>		
32 84 23 00-0453	LF		3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	3.43	1.21
			<i>For &gt;1,000, Deduct</i>	-0.17	
32 84 23 00-0454	LF		1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	4.05	1.44
			<i>For &gt;1,000, Deduct</i>	-0.20	
32 84 23 00-0455	LF		1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	5.64	1.83
			<i>For &gt;1,000, Deduct</i>	-0.28	
32 84 23 00-0456	LF		2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	7.28	2.30
			<i>For &gt;1,000, Deduct</i>	-0.36	
32 84 23 00-0457	LF		2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	9.37	2.68
			<i>For &gt;1,000, Deduct</i>	-0.47	
32 84 23 00-0458	LF		3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	11.80	3.86
			<i>For &gt;1,000, Deduct</i>	-0.59	
32 84 23 00-0459	LF		4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	15.34	4.82
			<i>For &gt;1,000, Deduct</i>	-0.77	
32 84 23 00-0460	LF		6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	22.02	6.03
			<i>For &gt;1,000, Deduct</i>	-1.10	
<b>32 84 23 00-0461</b>			<b>Irrigation Piping With Fittings, Trenching, Cover, Backfilled And Compacted</b> <small>(32 84 23 00-0431)</small>		
			Note: Install thrust blocks per Caltrans details for 3" piping and larger, upstream of remote control valve.		
<b>32 84 23 00-0462</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted</b> <small>(32 84 23 00-0461)</small>		
32 84 23 00-0463	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	5.39	1.21
			<i>For &gt;1,000, Deduct</i>	-0.27	
32 84 23 00-0464	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	6.08	1.44
			<i>For &gt;1,000, Deduct</i>	-0.30	
32 84 23 00-0465	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	7.40	1.83
			<i>For &gt;1,000, Deduct</i>	-0.37	
32 84 23 00-0466	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	8.75	2.30
			<i>For &gt;1,000, Deduct</i>	-0.44	
32 84 23 00-0467	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	10.54	2.68
			<i>For &gt;1,000, Deduct</i>	-0.53	
32 84 23 00-0468	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	13.74	3.86
			<i>For &gt;1,000, Deduct</i>	-0.69	
32 84 23 00-0469	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	17.28	4.82
			<i>For &gt;1,000, Deduct</i>	-0.86	
32 84 23 00-0470	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	23.62	6.03
			<i>For &gt;1,000, Deduct</i>	-1.18	
<b>32 84 23 00-0471</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted</b> <small>(32 84 23 00-0461)</small>		
32 84 23 00-0472	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	5.63	1.21
			<i>For &gt;1,000, Deduct</i>	-0.28	
32 84 23 00-0473	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	6.32	1.44
			<i>For &gt;1,000, Deduct</i>	-0.32	
32 84 23 00-0474	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	7.64	1.83
			<i>For &gt;1,000, Deduct</i>	-0.38	



<b>Exterior Improvements</b>		<b>32</b>
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0475 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	8.98 -0.45	2.30
32 84 23 00-0476 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	10.79 -0.54	2.68
32 84 23 00-0477 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	13.98 -0.70	3.86
32 84 23 00-0478 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	17.52 -0.88	4.82
32 84 23 00-0479 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	23.85 -1.19	6.03
<b>32 84 23 00-0480 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted (32 84 23 00-0461)</b>		
32 84 23 00-0481 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	5.86 -0.29	1.21
32 84 23 00-0482 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	6.57 -0.33	1.44
32 84 23 00-0483 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	7.87 -0.39	1.83
32 84 23 00-0484 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	9.22 -0.46	2.30
32 84 23 00-0485 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	11.03 -0.55	2.68
32 84 23 00-0486 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	14.22 -0.71	3.86
32 84 23 00-0487 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	17.76 -0.89	4.82
32 84 23 00-0488 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	24.09 -1.20	6.03
<b>32 84 23 00-0489 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted (32 84 23 00-0461)</b>		
32 84 23 00-0490 LF 3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	5.30 -0.27	1.21
32 84 23 00-0491 LF 1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	5.93 -0.30	1.44
32 84 23 00-0492 LF 1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	7.41 -0.37	1.83
32 84 23 00-0493 LF 2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	9.06 -0.45	2.30
32 84 23 00-0494 LF 2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	11.05 -0.55	2.68
32 84 23 00-0495 LF 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	13.64 -0.68	3.86
32 84 23 00-0496 LF 4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	17.83 -0.89	4.82
32 84 23 00-0497 LF 6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	27.09 -1.35	6.03
<b>32 84 23 00-0498 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted (32 84 23 00-0461)</b>		
32 84 23 00-0499 LF 3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	5.54 -0.28	1.21
32 84 23 00-0500 LF 1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	6.17 -0.31	1.44
32 84 23 00-0501 LF 1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	7.65 -0.38	1.83
32 84 23 00-0502 LF 2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	9.29 -0.46	2.30
32 84 23 00-0503 LF 2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	11.30 -0.57	2.68
32 84 23 00-0504 LF 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	13.88 -0.69	3.86
32 84 23 00-0505 LF 4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	18.07 -0.90	4.82
32 84 23 00-0506 LF 6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	27.32 -1.37	6.03
<b>32 84 23 00-0507 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted (32 84 23 00-0461)</b>		
32 84 23 00-0508 LF 3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	5.77 -0.29	1.21

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0509	LF		1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	6.42	1.44
			<i>For &gt;1,000, Deduct</i>	-0.32	
32 84 23 00-0510	LF		1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 124" Of Cover, Backfilled And Compacted.....	7.88	1.83
			<i>For &gt;1,000, Deduct</i>	-0.39	
32 84 23 00-0511	LF		2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	9.53	2.30
			<i>For &gt;1,000, Deduct</i>	-0.48	
32 84 23 00-0512	LF		2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	11.54	2.68
			<i>For &gt;1,000, Deduct</i>	-0.58	
32 84 23 00-0513	LF		3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	14.12	3.86
			<i>For &gt;1,000, Deduct</i>	-0.71	
32 84 23 00-0514	LF		4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	18.31	4.82
			<i>For &gt;1,000, Deduct</i>	-0.92	
32 84 23 00-0515	LF		6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	27.56	6.03
			<i>For &gt;1,000, Deduct</i>	-1.38	
<b>32 84 23 00-0516</b>			<b>Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted</b> <small>(32 84 23 00-0461)</small>		
32 84 23 00-0517	LF		3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	5.36	1.21
			<i>For &gt;1,000, Deduct</i>	-0.27	
32 84 23 00-0518	LF		1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	5.99	1.44
			<i>For &gt;1,000, Deduct</i>	-0.30	
32 84 23 00-0519	LF		1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	7.57	1.83
			<i>For &gt;1,000, Deduct</i>	-0.38	
32 84 23 00-0520	LF		2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	9.22	2.30
			<i>For &gt;1,000, Deduct</i>	-0.46	
32 84 23 00-0521	LF		2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	11.30	2.68
			<i>For &gt;1,000, Deduct</i>	-0.57	
32 84 23 00-0522	LF		3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	13.74	3.86
			<i>For &gt;1,000, Deduct</i>	-0.69	
32 84 23 00-0523	LF		4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	17.28	4.82
			<i>For &gt;1,000, Deduct</i>	-0.86	
32 84 23 00-0524	LF		6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	23.96	6.03
			<i>For &gt;1,000, Deduct</i>	-1.20	
<b>32 84 23 00-0525</b>			<b>Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted</b> <small>(32 84 23 00-0461)</small>		
32 84 23 00-0526	LF		3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	5.60	1.21
			<i>For &gt;1,000, Deduct</i>	-0.28	
32 84 23 00-0527	LF		1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	6.23	1.44
			<i>For &gt;1,000, Deduct</i>	-0.31	
32 84 23 00-0528	LF		1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	7.81	1.83
			<i>For &gt;1,000, Deduct</i>	-0.39	
32 84 23 00-0529	LF		2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	9.45	2.30
			<i>For &gt;1,000, Deduct</i>	-0.47	
32 84 23 00-0530	LF		2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	11.55	2.68
			<i>For &gt;1,000, Deduct</i>	-0.58	
32 84 23 00-0531	LF		3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	13.98	3.86
			<i>For &gt;1,000, Deduct</i>	-0.70	
32 84 23 00-0532	LF		4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	17.52	4.82
			<i>For &gt;1,000, Deduct</i>	-0.88	
32 84 23 00-0533	LF		6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	24.19	6.03
			<i>For &gt;1,000, Deduct</i>	-1.21	
<b>32 84 23 00-0534</b>			<b>Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted</b> <small>(32 84 23 00-0461)</small>		
32 84 23 00-0535	LF		3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	5.83	1.21
			<i>For &gt;1,000, Deduct</i>	-0.29	
32 84 23 00-0536	LF		1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	6.48	1.44
			<i>For &gt;1,000, Deduct</i>	-0.32	
32 84 23 00-0537	LF		1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	8.04	1.83
			<i>For &gt;1,000, Deduct</i>	-0.40	
32 84 23 00-0538	LF		2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	9.69	2.30
			<i>For &gt;1,000, Deduct</i>	-0.48	
32 84 23 00-0539	LF		2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	11.79	2.68
			<i>For &gt;1,000, Deduct</i>	-0.59	
32 84 23 00-0540	LF		3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	14.22	3.86
			<i>For &gt;1,000, Deduct</i>	-0.71	
32 84 23 00-0541	LF		4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	17.76	4.82
			<i>For &gt;1,000, Deduct</i>	-0.89	



		<b>Exterior Improvements</b>	<b>32</b>
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0542 LF 6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For &gt;1,000, Deduct</i>	24.43 -1.22	6.03
<b>32 84 23 00-0543 Irrigation Riser Piping With Fittings (32 84 23 00-0431)</b>		
32 84 23 00-0544 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	18.15	2.89
32 84 23 00-0545 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	19.39	3.62
32 84 23 00-0546 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	19.29	3.38
32 84 23 00-0547 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	20.81	4.21
32 84 23 00-0548 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	39.80	5.06
32 84 23 00-0549 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	41.95	6.33
32 84 23 00-0550 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	46.59	6.51
32 84 23 00-0551 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	49.36	8.14
32 84 23 00-0552 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	53.39	7.95
32 84 23 00-0553 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	56.78	9.95
<b>32 84 23 00-0554 Irrigation Crossover Piping With Fittings (32 84 23 00-0431)</b> Note: Install per Caltrans details. Includes thrust blocks, HDPE sleeve pipe and fittings, 3" pvc irrigation piping and 1" electrical pvc conduit. Excludes #5 concrete irrigation pull boxes on ends, electrical control wiring. See CSI section 32 84 23 00-0105 for #5 concrete pull box, 32 84 23 00-0598 for irrigation wiring.		
<b>32 84 23 00-0555 Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench (32 84 23 00-0554)</b>		
32 84 23 00-0556 LF 6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation <i>For &gt;1,000, Deduct</i>	30.20 -1.51	
32 84 23 00-0557 LF 8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation <i>For &gt;1,000, Deduct</i>	41.94 -2.10	
32 84 23 00-0558 LF 10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation <i>For &gt;1,000, Deduct</i>	56.99 -2.85	
32 84 23 00-0559 LF 12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation <i>For &gt;1,000, Deduct</i>	74.65 -3.73	
<b>32 84 23 00-0560 Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench (32 84 23 00-0554)</b>		
32 84 23 00-0561 LF 6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation <i>For &gt;1,000, Deduct</i>	30.92 -1.55	
32 84 23 00-0562 LF 8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation <i>For &gt;1,000, Deduct</i>	42.74 -2.14	
32 84 23 00-0563 LF 10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation <i>For &gt;1,000, Deduct</i>	57.87 -2.89	
32 84 23 00-0564 LF 12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation <i>For &gt;1,000, Deduct</i>	75.60 -3.78	
<b>32 84 23 00-0565 Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench (32 84 23 00-0554)</b>		
32 84 23 00-0566 LF 6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench Installation <i>For &gt;1,000, Deduct</i>	31.63 -1.58	
32 84 23 00-0567 LF 8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation <i>For &gt;1,000, Deduct</i>	43.54 -2.18	
32 84 23 00-0568 LF 10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation <i>For &gt;1,000, Deduct</i>	58.74 -2.94	
32 84 23 00-0569 LF 12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation <i>For &gt;1,000, Deduct</i>	76.56 -3.83	
<b>32 84 23 00-0570 Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore (32 84 23 00-0554)</b>		
32 84 23 00-0571 LF 6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation <i>For &gt;1,000, Deduct</i>	81.92 -4.10	
32 84 23 00-0572 LF 8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation <i>For &gt;1,000, Deduct</i>	104.14 -5.21	
32 84 23 00-0573 LF 10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation <i>For &gt;1,000, Deduct</i>	124.34 -6.22	
32 84 23 00-0574 LF 12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation <i>For &gt;1,000, Deduct</i>	147.16 -7.36	

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 84 23 00-0575		<b>Below Ground Cam Adapter Assembly</b> <small>(32 84 23 00-0431)</small> Note: Includes minimum 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0576	EA	Below Ground Cam Adapter Assembly.....	657.73	
32 84 23 00-0577		<b>Above Ground Cam Adapter Assembly</b> <small>(32 84 23 00-0431)</small> Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0578	EA	Above Ground Cam Adapter Assembly.....	400.71	
32 84 23 00-0579		<b>Thrust Block</b> <small>(32 84 23 00-0431)</small>		
32 84 23 00-0580	EA	Thrust Block For 1-1/2" Pipe Size And Smaller.....	35.09	
32 84 23 00-0581	EA	Thrust Block For 2" Pipe.....	60.51	
32 84 23 00-0582	EA	Thrust Block For 3" And 4" Pipe.....	85.93	
32 84 23 00-0583	EA	Thrust Block For 6" Pipe.....	137.31	
32 84 23 00-0584	EA	Thrust Block For 8" Pipe.....	195.78	
32 84 23 00-0585		<b>Irrigation Swing Joints</b> <small>(32 84 23)</small>		
32 84 23 00-0586	EA	3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075).....	56.92	19.19
32 84 23 00-0587	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12).....	64.78	21.42
32 84 23 00-0588	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS).....	87.29	21.42
32 84 23 00-0589	EA	1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I..... Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	40.75	25.01
32 84 23 00-0590	EA	3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I..... Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	54.48	33.36
32 84 23 00-0591	EA	1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I..... Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	68.88	40.91
32 84 23 00-0592	EA	1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II..... Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	57.77	25.40
32 84 23 00-0593	EA	3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II..... Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	76.42	33.70
32 84 23 00-0594	EA	1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II..... Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	94.21	41.32
32 84 23 00-0595	EA	1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III..... Note: Consists of two street 90 degree elbows.	32.76	15.56
32 84 23 00-0596	EA	3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III..... Note: Consists of two street 90 degree elbows.	43.81	20.74
32 84 23 00-0597	EA	1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III..... Note: Consists of two street 90 degree elbows.	52.32	25.72
32 84 23 00-0598		<b>Irrigation Control Wire</b> <small>(32 84 23)</small> Note: Excludes excavation and backfill.		
32 84 23 00-0599		<b>18 AWG, Irrigation Control Wire, Buried In Trench</b> <small>(32 84 23 00-0598)</small>		
32 84 23 00-0600	CLF	1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	48.65	14.47
32 84 23 00-0601	CLF	2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	64.44	16.88
32 84 23 00-0602	CLF	3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	74.20	19.29
32 84 23 00-0603	CLF	4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	85.05	21.70
32 84 23 00-0604	CLF	5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	96.98	24.11
32 84 23 00-0605	CLF	6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	116.62	26.51
32 84 23 00-0606	CLF	7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	135.41	28.92
32 84 23 00-0607	CLF	8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	147.17	31.33
32 84 23 00-0608	CLF	9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	161.79	33.74
32 84 23 00-0609	CLF	10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	178.69	36.16
32 84 23 00-0610	CLF	11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	184.57	38.57
32 84 23 00-0611	CLF	12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	191.59	40.98
32 84 23 00-0612	CLF	13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	202.10	43.39
32 84 23 00-0613		<b>16 AWG, Irrigation Control Wire, Buried In Trench</b> <small>(32 84 23 00-0598)</small>		
32 84 23 00-0614	CLF	1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench.....	51.57	14.47
32 84 23 00-0615		<b>14 AWG, Irrigation Control Wire, Buried In Trench</b> <small>(32 84 23 00-0598)</small>		
32 84 23 00-0616	CLF	1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench.....	51.58	14.47
32 84 23 00-0617		<b>12 AWG, Irrigation Control Wire, Buried In Trench</b> <small>(32 84 23 00-0598)</small>		





<b>Exterior Improvements</b>		<b>32</b>
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0618 CLF 1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench .....	70.85	14.47
<b>32 84 23 00-0619 10 AWG, Irrigation Control Wire, Buried In Trench</b> <small>(32 84 23 00-0598)</small>		
32 84 23 00-0620 CLF 1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench .....	95.28	14.47
<b>32 84 23 00-0621 Root Watering Systems</b> <small>(32 84 23)</small>		
<i>Note: Includes swing assembly.</i>		
32 84 23 00-0622 EA 0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401).....	92.26	19.29
<i>For Root Watering Sand Sock, Add</i>	1.22	
32 84 23 00-0623 EA 0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401) .....	99.71	19.29
<i>For Root Watering Sand Sock, Add</i>	1.22	
32 84 23 00-0624 EA 0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402).....	92.26	19.29
<i>For Root Watering Sand Sock, Add</i>	1.22	
32 84 23 00-0625 EA 0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402) .....	99.71	19.29
<i>For Root Watering Sand Sock, Add</i>	1.22	
32 84 23 00-0626 EA 1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404) .....	99.71	19.29
<i>For Root Watering Sand Sock, Add</i>	1.22	
32 84 23 00-0627 EA 0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401) .....	80.05	16.88
<i>For Root Watering Sand Sock, Add</i>	1.22	
32 84 23 00-0628 EA 0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401) .....	87.20	16.88
<i>For Root Watering Sand Sock, Add</i>	1.22	
32 84 23 00-0629 EA 0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402) .....	80.05	16.88
<i>For Root Watering Sand Sock, Add</i>	1.22	
32 84 23 00-0630 EA 0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402) .....	87.20	16.88
<i>For Root Watering Sand Sock, Add</i>	1.22	
32 84 23 00-0631 EA 0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401) .....	53.56	14.47
<i>For Root Watering Sand Sock, Add</i>	1.22	
32 84 23 00-0632 EA 0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401).....	60.36	14.47
<i>For Root Watering Sand Sock, Add</i>	1.22	

**32 90 Planting** (32)

*Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.*

**32 91 Planting Preparation** (32 90)

**32 91 13 Soil Preparation** (32 91)

**32 91 13 16 Mulching** (32 91 13)

**32 91 13 16-0001 Mulch** (32 91 13 16)

*Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.*

32 91 13 16-0002 CY Pea Gravel Mulch .....	100.65	
<i>For Work On Slopes &gt;2.5:1, Add</i>	13.22	
<i>For &gt;5 To 20, Deduct</i>	-8.34	
<i>For &gt;20 To 50, Deduct</i>	-12.51	
<i>For &gt;50, Deduct</i>	-17.54	
32 91 13 16-0003 CY Stone/Gravel Mulch, Marble Chips .....	327.08	
<i>For Work On Slopes &gt;2.5:1, Add</i>	13.22	
<i>For &gt;5 To 20, Deduct</i>	-19.66	
<i>For &gt;20 To 50, Deduct</i>	-29.49	
<i>For &gt;50, Deduct</i>	-45.84	
32 91 13 16-0004 CY Stone Mulch, Decomposed Granite Chips .....	108.26	
<i>For Work On Slopes &gt;2.5:1, Add</i>	13.22	
<i>For &gt;5 To 20, Deduct</i>	-8.72	
<i>For &gt;20 To 50, Deduct</i>	-13.08	
<i>For &gt;50, Deduct</i>	-18.49	
32 91 13 16-0005 CY Pine Bark Nugget Mulch .....	98.52	
<i>For Work On Slopes &gt;2.5:1, Add</i>	13.22	
<i>For &gt;5 To 20, Deduct</i>	-8.23	
<i>For &gt;20 To 50, Deduct</i>	-12.35	
<i>For &gt;50, Deduct</i>	-17.27	
32 91 13 16-0006 CY Hardwood Bark Nugget Mulch .....	97.22	
<i>For Work On Slopes &gt;2.5:1, Add</i>	13.22	
<i>For &gt;5 To 20, Deduct</i>	-8.17	
<i>For &gt;20 To 50, Deduct</i>	-12.25	
<i>For &gt;50, Deduct</i>	-17.11	
32 91 13 16-0007 CY Pine Wood Chip Mulch .....	94.63	
<i>For Work On Slopes &gt;2.5:1, Add</i>	13.22	
<i>For &gt;5 To 20, Deduct</i>	-8.04	
<i>For &gt;20 To 50, Deduct</i>	-12.05	
<i>For &gt;50, Deduct</i>	-16.79	

**32 Exterior Improvements****32 90 Planting****32 91 Planting Preparation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0008	CY		Hardwood Chip Mulch.....	99.81	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	13.22	
			<i>For &gt;5 To 20, Deduct</i>	-8.30	
			<i>For &gt;20 To 50, Deduct</i>	-12.44	
			<i>For &gt;50, Deduct</i>	-17.43	
32 91 13 16-0009	CY		Shredded Hardwood Mulch .....	99.81	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	13.22	
			<i>For &gt;5 To 20, Deduct</i>	-8.30	
			<i>For &gt;20 To 50, Deduct</i>	-12.44	
			<i>For &gt;50, Deduct</i>	-17.43	
32 91 13 16-0010	CY		Shredded Pine Mulch.....	88.14	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	13.22	
			<i>For &gt;5 To 20, Deduct</i>	-7.71	
			<i>For &gt;20 To 50, Deduct</i>	-11.57	
			<i>For &gt;50, Deduct</i>	-15.97	
32 91 13 16-0011	CY		Shredded Cedar Mulch .....	113.43	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	13.22	
			<i>For &gt;5 To 20, Deduct</i>	-8.98	
			<i>For &gt;20 To 50, Deduct</i>	-13.46	
			<i>For &gt;50, Deduct</i>	-19.14	
32 91 13 16-0012	CY		Shredded Cypress Mulch.....	111.49	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	13.22	
			<i>For &gt;5 To 20, Deduct</i>	-8.88	
			<i>For &gt;20 To 50, Deduct</i>	-13.32	
			<i>For &gt;50, Deduct</i>	-18.89	
32 91 13 16-0013	CY		Shredded Redwood Mulch.....	116.68	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	13.22	
			<i>For &gt;5 To 20, Deduct</i>	-9.14	
			<i>For &gt;20 To 50, Deduct</i>	-13.71	
			<i>For &gt;50, Deduct</i>	-19.54	
32 91 13 16-0014	CY		Chunk Recycled Tire Mulch .....	174.76	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	16.79	
			<i>For &gt;5 To 20, Deduct</i>	-12.94	
			<i>For &gt;20 To 50, Deduct</i>	-19.40	
			<i>For &gt;50, Deduct</i>	-28.14	
32 91 13 16-0015	CY		Chunk Colored Recycled Tire Mulch.....	264.26	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	16.79	
			<i>For &gt;5 To 20, Deduct</i>	-17.41	
			<i>For &gt;20 To 50, Deduct</i>	-26.12	
			<i>For &gt;50, Deduct</i>	-39.33	
32 91 13 16-0016	CY		Shredded Recycled Tire Mulch.....	265.55	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	16.79	
			<i>For &gt;5 To 20, Deduct</i>	-17.48	
			<i>For &gt;20 To 50, Deduct</i>	-26.21	
			<i>For &gt;50, Deduct</i>	-39.49	
32 91 13 16-0017	CY		Shredded Colored Recycled Tire Mulch .....	444.55	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	16.79	
			<i>For &gt;5 To 20, Deduct</i>	-26.43	
			<i>For &gt;20 To 50, Deduct</i>	-39.64	
			<i>For &gt;50, Deduct</i>	-61.87	
32 91 13 16-0018	EA		Pine Straw Mulch Bale.....	8.19	
			Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.		
			<i>For Work On Slopes &gt;2.5:1, Add</i>	0.73	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-0.78	
			<i>For &gt;500, Deduct</i>	-1.00	
32 91 13 16-0019	EA		Wheat Straw Mulch Bale.....	8.08	
			Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.		
			<i>For Work On Slopes &gt;2.5:1, Add</i>	0.55	
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-0.68	
			<i>For &gt;500, Deduct</i>	-0.95	
32 91 13 16-0020			<b>Compost Soil Amendment (AgriService)</b> <small>(32 91 13 16)</small>		
			Note: Includes loading, delivery up to 15 miles and spreading. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.		
32 91 13 16-0021	CY		Humic Compost (OIM) .....	85.74	
			Note: (Agri Service or Equal)		
			<i>For Work On Slopes &gt;2.5:1, Add</i>	13.22	
			<i>For &gt;100 To 1,000, Deduct</i>	-14.20	
			<i>For &gt;1,000, Deduct</i>	-21.79	
<b>32 91 13 26</b>			<b>Planting Beds</b> <small>(32 91 13)</small>		
			Note: Not for use when installing trees and shrubs.		
32 91 13 26-0001			<b>Plant Bed Preparation</b> <small>(32 91 13 26)</small>		
			Note: Not for use when installing trees and shrubs.		
32 91 13 26-0002	SF		Prepare And Mix Plant Bed, Up To 8" Deep By Machine.....	1.03	
			Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
			<i>For Work On Slopes &gt;2.5:1, Add</i>	0.21	



		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Planting Preparation	32 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 26-0003 SF Prepare And Mix Plant Bed, 9" To 13" Deep By Machine.....	1.18	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	0.24	
32 91 13 26-0004 SF Prepare And Mix Plant Bed, 14" To 18" Deep By Machine.....	1.39	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	0.28	
32 91 13 26-0005 SF Prepare And Mix Plant Bed By Hand, Up To 8" Deep .....	4.59	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	0.92	
32 91 13 26-0006 SF Prepare And Mix Plant Bed By Hand, 9" To 13" Deep.....	5.27	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	1.05	
32 91 13 26-0007 SF Prepare And Mix Plant Bed By Hand, 14" To 18" Deep.....	6.19	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	1.24	
<b>32 91 13 26-0008 Plant Bed Preparation With Humic Compost (32 91 13 26)</b>		
32 91 13 26-0009 SF Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 3 CY Per 1,000 SF).....	1.13	
Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.		
For Work On Slopes >2.5:1, Add	0.21	
For >1,000 To 5,000, Deduct	-0.16	
For >5,000 To 10,000, Deduct	-0.27	
For >10,000 To 20,000, Deduct	-0.54	
For >20,000, Deduct	-0.76	
32 91 13 26-0010 SF Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 6 CY Per 1,000 SF).....	1.41	
Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.		
For Work On Slopes >2.5:1, Add	0.26	
For >1,000 To 5,000, Deduct	-0.19	
For >5,000 To 10,000, Deduct	-0.32	
For >10,000 To 20,000, Deduct	-0.65	
For >20,000, Deduct	-0.92	
32 91 13 26-0011 SF Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 9 CY Per 1,000 SF).....	1.69	
Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.		
For Work On Slopes >2.5:1, Add	0.30	
For >1,000 To 5,000, Deduct	-0.23	
For >5,000 To 10,000, Deduct	-0.38	
For >10,000 To 20,000, Deduct	-0.76	
For >20,000, Deduct	-1.08	
<b>32 91 13 26-0012 Planting Pit Preparation (32 91 13 26)</b>		
Note: Not for use when installing trees and shrubs.		
32 91 13 26-0013 CY Excavate Planting Pit By Hand, Sandy Soil .....	79.34	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	15.87	
32 91 13 26-0014 CY Excavate Planting Pit By Hand, Heavy Soil .....	158.70	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	31.74	
32 91 13 26-0015 CY Excavate Planting Pit By Machine, Sandy Soil .....	12.99	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	2.60	
32 91 13 26-0016 CY Excavate Planting Pit By Machine, Heavy Soil .....	16.90	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	3.38	
32 91 13 26-0017 CY Backfill Planting Pit By Hand With Topsoil From Stockpile .....	70.51	
For Work On Slopes >2.5:1, Add	14.10	
32 91 13 26-0018 CY Backfill Planting Pit By Hand With Contractor Furnished Planting Mix .....	101.57	
For Work On Slopes >2.5:1, Add	13.09	
32 91 13 26-0019 CY Backfill Planting Pit By Machine, With Topsoil From Stockpile .....	6.96	
For Work On Slopes >2.5:1, Add	1.39	
32 91 13 26-0020 CY Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix .....	54.44	
For Work On Slopes >2.5:1, Add	3.66	
<b>32 91 13 26-0021 Weed Barrier (32 91 13 26)</b>		
32 91 13 26-0022 SY Up To 3 Oz/SY Non Woven, Polypropylene Weed Barrier .....	2.23	
For Work On Slopes >2.5:1, Add	0.13	
32 91 13 26-0023 SY 4 Oz/SY Woven, Polypropylene Weed Barrier.....	3.06	
For Work On Slopes >2.5:1, Add	0.13	
32 91 13 26-0024 SY 5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier .....	3.42	
For Work On Slopes >2.5:1, Add	0.13	
<b>32 91 13 33 Soil Conditioners (32 91 13)</b>		
32 91 13 33-0001 Spread Soil Conditioners (32 91 13 33)		

**32 Exterior Improvements****32 90 Planting****32 91 Planting Preparation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 91 13 33-0002	SY	Aluminum Sulfate 1 LB/SY, Push Spreader.....	0.40	
32 91 13 33-0003	MSF	Aluminum Sulfate 110 LB/MSF Tractor Spreader.....	38.23	
32 91 13 33-0004	MSF	Fertilizer, 20 LB/MSF, Push Spreader.....	6.63	
32 91 13 33-0005	MSF	Fertilizer, 20 LB/MSF, Tractor Spread.....	2.84	
32 91 13 33-0006	MSF	Fertilizer, 20 LB/MSF, Truck Spread.....	5.19	
32 91 13 33-0007	SY	Pelletized Lime, 1 LB/SY, Push Spreader.....	0.10	
32 91 13 33-0008	MSF	Pelitized Lime, 110 LB/MSF, Tractor Spreader.....	7.24	
32 91 13 33-0009	SY	Perlite, 1" Deep, Push Spreader.....	3.48	
32 91 13 33-0010	MSF	Perlite, 1" Deep, Tractor Spreader.....	361.55	
32 91 13 33-0011	SY	Vermiculite, Push Spreader.....	3.23	
32 91 13 33-0012	MSF	Vermiculite, Tractor Spreader.....	353.17	
32 91 13 33-0013	SY	Humate Granular Soil Conditioner, 0.10 LB/SY, Push Spreader.....	0.21	
32 91 13 33-0014	MSF	Humate Granular Soil Conditioner, 10 LB/MSF, Tractor Spreader.....	19.56	

**32 91 13 36 Lawn Bed Preparation (32 91 13)****32 91 13 36-0001 Lawn Bed Preparation (32 91 13 36)**

32 91 13 36-0002	MSF	Rake Topsoil With Machine.....	80.60	
32 91 13 36-0003	MSF	Rake Topsoil By Hand.....	63.47	
32 91 13 36-0004	MSF	Screen Loam By Hand.....	42.31	
32 91 13 36-0005	SY	Roll Topsoil With Machine.....	1.04	
32 91 13 36-0006	SY	Roll Topsoil By Hand.....	2.83	
32 91 13 36-0007	MSF	Removal Of Rocks And Debris With Machine.....	9.53	
32 91 13 36-0008	MSF	Removal Of Rocks And Debris By Hand.....	29.34	
32 91 13 36-0009	MSF	Root Raking And Loading, No Boulders.....	49.88	
		<i>For &gt;45 to 225, Deduct</i>	-34.92	
		<i>For &gt;225, Deduct</i>	-44.89	
32 91 13 36-0010	MSF	Root Raking And Loading, With Boulders.....	83.14	
		<i>For &gt;45 to 225, Deduct</i>	-58.20	
		<i>For &gt;225, Deduct</i>	-74.83	
32 91 13 36-0011	MSF	Up To 6" Deep Tilling Topsoil With Tractor.....	4.50	
32 91 13 36-0012	MSF	>6" To 12" Deep Tilling Topsoil With Tractor.....	9.12	
		<i>For Work On Slopes &gt;2.5:1, Add</i>	1.82	
32 91 13 36-0013	SY	Up To 2" Deep Tilling Topsoil With Rototiller.....	0.68	
32 91 13 36-0014	SY	>2" To 4" Deep Tilling Topsoil With Rototiller.....	0.81	
32 91 13 36-0015	SY	>4" To 6" Deep Tilling Topsoil With Rototiller.....	1.02	
32 91 13 36-0016	LF	"V" Cut Soil For Edge Of Planting Beds.....	1.13	

**32 91 13 36-0017 Sod Removal (32 91 13 36)**

32 91 13 36-0018	SY	Removal Of Sod By Hand.....	5.35	
		<i>For Work On Slopes &gt;2.5:1, Add</i>	1.07	
32 91 13 36-0019	SY	Removal Of Sod With Machine.....	0.61	
		<i>For Work On Slopes &gt;2.5:1, Add</i>	0.12	
32 91 13 36-0020	SY	Pile Sod By Hand.....	3.17	
		<i>For Work On Slopes &gt;2.5:1, Add</i>	0.63	
32 91 13 36-0021	SY	Pile Sod With Machine.....	1.14	
		<i>For Work On Slopes &gt;2.5:1, Add</i>	0.23	

**32 91 19 Landscape Grading (32 91)****32 91 19 13 Topsoil Placement and Grading (32 91 19)****32 91 19 13-0001 Remove And Stockpile Topsoil On Site (32 91 19 13)**

32 91 19 13-0002	CY	Removal Of Topsoil, 4" Deep Stockpile On Site.....	4.92	
32 91 19 13-0003	CY	Removal Of Topsoil, 6" Deep Stockpile On Site.....	4.87	

**32 91 19 13-0004 Screening Topsoil (32 91 19 13)**

32 91 19 13-0005	CY	Screen Topsoil With Vibrating Screen, Wet Material (Organic).....	10.66	
32 91 19 13-0006	CY	Screen Topsoil With Vibrating Screen, Dry Material.....	7.11	

**32 91 19 13-0007 Spreading Topsoil From Stockpile (32 91 19 13)**

32 91 19 13-0008	CY	Spread Topsoil By Machine From Stockpile.....	7.78	
32 91 19 13-0009	CY	Spread Topsoil By Hand From Stockpile.....	60.56	

**32 91 19 13-0010 Furnish And Place Imported Screened Topsoil (32 91 19 13)**

Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.

32 91 19 13-0011	SY	Furnish And Place Imported Screened Topsoil, 2" Deep.....	3.34	
		<i>For Unscreened, Deduct</i>	-0.38	
32 91 19 13-0012	SY	Furnish And Place Imported Screened Topsoil, 4" Deep.....	6.40	
		<i>For Unscreened, Deduct</i>	-0.76	
32 91 19 13-0013	SY	Furnish And Place Imported Screened Topsoil, 6" Deep.....	9.21	
		<i>For Unscreened, Deduct</i>	-1.14	
32 91 19 13-0014	SY	Furnish And Place Imported Screened Topsoil, 9" Deep.....	13.24	
		<i>For Unscreened, Deduct</i>	-1.70	



		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Planting Preparation	32 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 19 13-0015 SY Furnish And Place Imported Screened Topsoil, 12" Deep..... <i>For Unscreened, Deduct</i>	17.28 -2.27	
32 91 19 13-0016 CY Furnish And Place Imported Screened Topsoil, Over 12" Deep ..... <i>For Unscreened, Deduct</i>	46.81 -6.81	
<b>32 91 19 13-0017 Scarify Soil For Planting Preparation (32 91 19 13)</b> Note: Ripped in multiple directions with 3" maximum clods.		
32 91 19 13-0018 MSF Up To 5,000 SF Scarify Up To 8" Soil With Machine.....	60.77	
32 91 19 13-0019 MSF >5,000 To 20,000 SF Scarify Up To 8" Soil With Machine .....	42.53	
32 91 19 13-0020 MSF >20,000 SF Scarify Up To 8" Soil With Machine.....	25.06	
<b>32 92 Turf and Grasses (32 90)</b>		
<b>32 92 16 Plugging (32 92)</b>		
<b>32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep (32 92 16)</b> Note: Includes fine grade and soil preparation.		
<b>32 92 16 00-0002 6" On Center Plugging (32 92 16 00-0001)</b>		
32 92 16 00-0003 MSF Plugging By Hand, 6" On Center .....	206.30	
32 92 16 00-0004 MSF Plugging By Walk Behind Planter, 6" On Center.....	29.46	
32 92 16 00-0005 MSF Plugging By Towed Planter, 6" On Center.....	22.26	
<b>32 92 16 00-0006 9" On Center Plugging (32 92 16 00-0001)</b>		
32 92 16 00-0007 MSF Plugging By Hand, 9" On Center .....	158.22	
32 92 16 00-0008 MSF Plugging By Walk Behind Planter, 9" On Center.....	23.01	
32 92 16 00-0009 MSF Plugging By Towed Planter, 9" On Center.....	16.67	
<b>32 92 16 00-0010 12" On Center Plugging (32 92 16 00-0001)</b>		
32 92 16 00-0011 MSF Plugging By Hand, 12" On Center .....	132.99	
32 92 16 00-0012 MSF Plugging By Walk Behind Planter, 12" On Center.....	15.52	
32 92 16 00-0013 MSF Plugging By Towed Planter, 12" On Center.....	10.64	
<b>32 92 19 Seeding (32 92)</b>		
<b>32 92 19 13 Mechanical Seeding (32 92 19)</b> Note: Includes fertilizing, liming, mixing, seeding and initial watering.		
<b>32 92 19 13-0001 Tractor Spreader Mechanical Seeding (32 92 19 13)</b> Note: Excludes straw.		
32 92 19 13-0002 MSF Common Bluegrass, Tractor Spreader ..... Note: 4 LB/MSF spread rate.	43.73	
32 92 19 13-0003 MSF Tall Fescue, Tractor Spreader ..... Note: 5.5 LB/MSF spread rate.	34.43	
32 92 19 13-0004 MSF Rye, Tractor Spreader ..... Note: 10 LB/MSF spread rate.	35.09	
32 92 19 13-0005 MSF Shade Mix, Tractor Spreader..... Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	38.44	
32 92 19 13-0006 MSF Turf Mix, Tractor Spreader..... Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	40.84	
32 92 19 13-0007 MSF Slope Mix, Tractor Spreader..... Note: 6 LB/MSF spread rate.	37.64	
32 92 19 13-0008 MSF Utility Mix, Tractor Spreader ..... Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	33.63	
32 92 19 13-0009 MSF Wild Flower Mix, Tractor Spreader ..... Note: 0.10 LB/MSF spread rate.	26.09	
32 92 19 13-0010 MSF Crown Vetch Mix, Tractor Spreader..... Note: 4 LB/MSF spread rate.	85.74	
32 92 19 13-0011 MSF Athletic Mix, Tractor Spreader ..... Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	50.46	
32 92 19 13-0012 MSF White Clover Mix, Tractor Spreader..... Note: 7 LB/MSF spread rate.	26.01	
32 92 19 13-0013 MSF Ladino Clover Mix, Tractor Spreader..... Note: 7 LB/MSF spread rate.	29.22	
<b>32 92 19 13-0014 Hydro Or Air Mechanical Seeding (32 92 19 13)</b>		
32 92 19 13-0015 MSF Common Bluegrass, Hydro Or Air Seeding ..... Note: 4 LB/MSF spread rate.	88.73	
<i>For Spot Areas Up To 1, Add</i>	92.53	
<i>For &gt;1 To 4, Add</i>	59.23	
<i>For &gt;4 To 7.5, Add</i>	39.98	
<i>For &gt;7.5 To 10, Add</i>	19.99	
<i>For &gt;45, Deduct</i>	-7.03	
<i>For Tackifier, Add</i>	1.38	

**32 Exterior Improvements****32 90 Planting****32 92 Turf and Grasses**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0016	MSF		Tall Fescue, Hydro Or Air Seeding .....	94.34	
			Note: 5.5 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	94.77	
			For >1 To 4, Add	60.35	
			For >4 To 7.5, Add	40.54	
			For >7.5 To 10, Add	20.27	
			For >45, Deduct	-7.31	
			For Tackifier, Add	1.38	
32 92 19 13-0017	MSF		Rye, Hydro Or Air Spread .....	88.96	
			Note: 10 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	92.62	
			For >1 To 4, Add	59.27	
			For >4 To 7.5, Add	40.01	
			For >7.5 To 10, Add	20.00	
			For >45, Deduct	-7.04	
			For Tackifier, Add	1.38	
32 92 19 13-0018	MSF		Shade Mix, Hydro Or Air Seeding .....	88.73	
			Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
			For Spot Areas Up To 1, Add	92.53	
			For >1 To 4, Add	59.23	
			For >4 To 7.5, Add	39.98	
			For >7.5 To 10, Add	19.99	
			For >45, Deduct	-7.03	
			For Tackifier, Add	1.38	
32 92 19 13-0019	MSF		Turf Mix, Hydro Or Air Seeding .....	94.34	
			Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
			For Spot Areas Up To 1, Add	94.77	
			For >1 To 4, Add	60.35	
			For >4 To 7.5, Add	40.54	
			For >7.5 To 10, Add	20.27	
			For >45, Deduct	-7.31	
			For Tackifier, Add	1.38	
32 92 19 13-0020	MSF		Slope Mix, Hydro Or Air Seeding .....	91.94	
			Note: 6 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	93.81	
			For >1 To 4, Add	59.87	
			For >4 To 7.5, Add	40.30	
			For >7.5 To 10, Add	20.15	
			For >45, Deduct	-7.19	
			For Tackifier, Add	1.38	
32 92 19 13-0021	MSF		Utility Mix, Hydro Or Air Seeding .....	89.99	
			Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
			For Spot Areas Up To 1, Add	93.03	
			For >1 To 4, Add	59.48	
			For >4 To 7.5, Add	40.11	
			For >7.5 To 10, Add	20.05	
			For >45, Deduct	-7.09	
			For Tackifier, Add	1.38	
32 92 19 13-0022	MSF		Wild Flower Mix, Hydro Or Air Seeding .....	83.75	
			Note: 0.10 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	90.54	
			For >1 To 4, Add	58.23	
			For >4 To 7.5, Add	39.49	
			For >7.5 To 10, Add	19.74	
			For >45, Deduct	-6.78	
			For Tackifier, Add	1.38	
32 92 19 13-0023	MSF		Crown Vetch Mix, Hydro Or Air Seeding .....	140.04	
			Note: 4 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	113.05	
			For >1 To 4, Add	69.49	
			For >4 To 7.5, Add	45.11	
			For >7.5 To 10, Add	22.56	
			For >45, Deduct	-9.59	
			For Tackifier, Add	1.38	
32 92 19 13-0024	MSF		Athletic Mix, Hydro Or Air Seeding .....	122.42	
			Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
			For Spot Areas Up To 1, Add	106.00	
			For >1 To 4, Add	65.96	
			For >4 To 7.5, Add	43.35	
			For >7.5 To 10, Add	21.68	
			For >45, Deduct	-8.71	
			For Tackifier, Add	1.38	
32 92 19 13-0025	MSF		White Clover Mix, Hydro Or Air Seeding .....	76.14	
			Note: 7 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	87.49	
			For >1 To 4, Add	56.71	
			For >4 To 7.5, Add	38.72	
			For >7.5 To 10, Add	19.36	
			For >45, Deduct	-6.40	
			For Tackifier, Add	1.38	



		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Turf and Grasses	32 92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0026 MSF Ladino Clover Mix, Hydro Or Air Seeding.....	85.52	
Note: 7 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	91.24	
For >1 To 4, Add	58.58	
For >4 To 7.5, Add	39.66	
For >7.5 To 10, Add	19.83	
For >45, Deduct	-6.87	
For Tackifier, Add	1.38	
32 92 19 13-0027 MSF 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread.....	90.33	
Note: 4 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	93.17	
For >1 To 4, Add	59.55	
For >4 To 7.5, Add	40.14	
For >7.5 To 10, Add	20.07	
For >45, Deduct	-7.11	
For Tackifier, Add	1.38	
32 92 19 13-0028 MSF 2,500 LB/Acre, High Performance - Flexible Growth Medium.....	122.02	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-7.40	
32 92 19 13-0029 MSF 3,000 LB/Acre, High Performance - Flexible Growth Medium.....	142.54	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-8.49	
32 92 19 13-0030 MSF 3,500 LB/Acre, High Performance - Flexible Growth Medium.....	163.14	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-9.59	
32 92 19 13-0031 MSF 4,000 LB/Acre, High Performance - Flexible Growth Medium.....	183.77	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-10.69	
32 92 19 13-0032 MSF 4,500 LB/Acre, High Performance - Flexible Growth Medium.....	204.49	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-11.80	

**32 92 19 19 Seeding by Hand** (32 92 19)

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

**32 92 19 19-0001 Push Spreader Or Hand Seeding** (32 92 19 19)

Note: Excludes straw.

32 92 19 19-0002 MSF Common Bluegrass, Push Spreader Or Hand.....	101.46	
Note: 4 LB/MSF spread rate.		
For >5 To 20, Deduct	-7.06	
For >20 To 45, Deduct	-13.56	
For >45, Deduct	-22.05	
32 92 19 19-0003 MSF Tall Fescue, Push Spreader Or Hand.....	92.16	
Note: 5.5 LB/MSF spread rate.		
For >5 To 20, Deduct	-6.59	
For >20 To 45, Deduct	-12.86	
For >45, Deduct	-21.12	
32 92 19 19-0004 MSF Rye, Push Spreader Or Hand.....	92.82	
Note: 10 LB/MSF spread rate.		
For >5 To 20, Deduct	-6.62	
For >20 To 45, Deduct	-12.91	
For >45, Deduct	-21.18	
32 92 19 19-0005 MSF Shade Mix, Push Spreader Or Hand.....	96.17	
Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
For >5 To 20, Deduct	-6.79	
For >20 To 45, Deduct	-13.16	
For >45, Deduct	-21.52	
32 92 19 19-0006 MSF Turf Mix, Push Spreader Or Hand.....	98.57	
Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
For >5 To 20, Deduct	-6.91	
For >20 To 45, Deduct	-13.34	
For >45, Deduct	-21.76	
32 92 19 19-0007 MSF Slope Mix, Push Spreader Or Hand.....	95.37	
Note: 6 LB/MSF spread rate.		
For >5 To 20, Deduct	-6.75	
For >20 To 45, Deduct	-13.10	
For >45, Deduct	-21.44	
32 92 19 19-0008 MSF Utility Mix, Push Spreader Or Hand.....	91.36	
Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
For >5 To 20, Deduct	-6.55	
For >20 To 45, Deduct	-12.80	
For >45, Deduct	-21.04	
32 92 19 19-0009 MSF Wild Flower Mix, Push Spreader Or Hand.....	83.82	
Note: 0.10 LB/MSF spread rate.		
For >5 To 20, Deduct	-6.17	
For >20 To 45, Deduct	-12.24	
For >45, Deduct	-20.28	
32 92 19 19-0010 MSF Crown Vetch Mix, Push Spreader Or Hand.....	143.47	
Note: 4 LB/MSF spread rate.		
For >5 To 20, Deduct	-9.16	
For >20 To 45, Deduct	-16.71	
For >45, Deduct	-26.25	

**32 Exterior Improvements****32 90 Planting****32 92 Turf and Grasses**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0011	MSF		Athletic Mix, Push Spreader Or Hand.....	108.19	
			Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
			For >5 To 20, Deduct	-7.39	
			For >20 To 45, Deduct	-14.06	
			For >45, Deduct	-22.72	
32 92 19 19-0012	MSF		White Clover Mix, Push Spreader Or Hand .....	83.74	
			Note: 7 LB/MSF spread rate.		
			For >5 To 20, Deduct	-6.17	
			For >20 To 45, Deduct	-12.23	
			For >45, Deduct	-20.27	
32 92 19 19-0013	MSF		Ladino Clover Mix, Push Spreader Or Hand.....	86.95	
			Note: 7 LB/MSF spread rate.		
			For >5 To 20, Deduct	-6.33	
			For >20 To 45, Deduct	-12.47	
			For >45, Deduct	-20.59	
32 92 19 19-0014	MSF		100% Kentucky Bluegrass, Push Spreader Or Hand.....	102.98	
			Note: 3.3 LB/MSF spread rate.		
			For >5 To 20, Deduct	-7.13	
			For >20 To 45, Deduct	-13.67	
			For >45, Deduct	-22.20	
32 92 19 19-0015	MSF		70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand.....	98.57	
			Note: 3.3 LB/MSF spread rate.		
			For >5 To 20, Deduct	-6.91	
			For >20 To 45, Deduct	-13.34	
			For >45, Deduct	-21.76	
32 92 19 19-0016	MSF		50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand.....	95.36	
			Note: 3.3 LB/MSF spread rate.		
			For >5 To 20, Deduct	-6.75	
			For >20 To 45, Deduct	-13.10	
			For >45, Deduct	-21.44	
32 92 19 19-0017	MSF		50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand.....	101.78	
			Note: 4.4 LB/MSF spread rate.		
			For >5 To 20, Deduct	-7.07	
			For >20 To 45, Deduct	-13.58	
			For >45, Deduct	-22.08	
32 92 19 19-0018	MSF		60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand.....	96.97	
			Note: 3.3 LB/MSF spread rate.		
			For >5 To 20, Deduct	-6.83	
			For >20 To 45, Deduct	-13.22	
			For >45, Deduct	-21.60	
32 92 19 19-0019	MSF		40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand .....	98.57	
			Note: 3.3 LB/MSF spread rate.		
			For >5 To 20, Deduct	-6.91	
			For >20 To 45, Deduct	-13.34	
			For >45, Deduct	-21.76	

**32 92 23 Sodding** (32 92)

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

**32 92 23 00-0001 Tall Fescue Sod** (32 92 23)

32 92 23 00-0002	MSF		Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground .....	2,094.92	
			For Hybrid Fescue "Marathon", Add	143.81	
32 92 23 00-0003	MSF		>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,699.59	
			For Hybrid Fescue "Marathon", Add	108.38	
32 92 23 00-0004	MSF		>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,437.85	
			For Hybrid Fescue "Marathon", Add	90.66	
32 92 23 00-0005	MSF		>8,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,225.98	
			For Hybrid Fescue "Marathon", Add	72.94	
32 92 23 00-0006	MSF		Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes .....	2,405.18	
			For Hybrid Fescue "Marathon", Add	143.81	
32 92 23 00-0007	MSF		>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,964.01	
			For Hybrid Fescue "Marathon", Add	108.38	
32 92 23 00-0008	MSF		>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,620.27	
			For Hybrid Fescue "Marathon", Add	90.66	
32 92 23 00-0009	MSF		>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,381.10	
			For Hybrid Fescue "Marathon", Add	72.94	

**32 92 23 00-0010 Kentucky Blue Grass Sod** (32 92 23)

32 92 23 00-0011	MSF		Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground .....	1,772.65	
32 92 23 00-0012	MSF		>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,457.89	
32 92 23 00-0013	MSF		>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,236.44	
32 92 23 00-0014	MSF		>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,064.84	
32 92 23 00-0015	MSF		Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes .....	2,082.91	
32 92 23 00-0016	MSF		>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes .....	1,722.31	
32 92 23 00-0017	MSF		>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes .....	1,418.86	
32 92 23 00-0018	MSF		>8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,219.96	

**32 93 Plants** (32 90)





MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 13 Ground Covers (32 93)

Note: Materials only. See CSI section 32 93 83 00-0062 for installation and planting of ground cover.

32 93 13 00-0001 Ground Covers (32 93 13)

32 93 13 00-0002	EA	1 Quart Baccharis Pilularis - Dwarf Coyote Bush.....	8.10
32 93 13 00-0003	EA	1 Gallon Baccharis Pilularis - Dwarf Coyote Bush.....	14.03
32 93 13 00-0004	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge.....	28.61
32 93 13 00-0005	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge.....	37.24
32 93 13 00-0006	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper.....	47.14
32 93 13 00-0007	EA	1 Quart Waldsteinia ternata - Barren Strawberry.....	8.10
32 93 13 00-0008	EA	1 Gallon Waldsteinia ternata - Barren Strawberry.....	19.43
32 93 13 00-0009	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	26.45
32 93 13 00-0010	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	50.20
32 93 13 00-0011	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	88.52
32 93 13 00-0012	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope.....	9.06
32 93 13 00-0013	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine.....	16.73
32 93 13 00-0014	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine.....	58.83
32 93 13 00-0015	EA	1 Gallon Juniperus horizontalis 'Wiltoni' - Blue Rug Juniper.....	21.96
32 93 13 00-0016	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy.....	10.79
32 93 13 00-0017	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy.....	24.61
32 93 13 00-0018	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy.....	67.36
32 93 13 00-0019	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea.....	28.31
32 93 13 00-0020	EA	1 Quart Iberis sempervirens - Candytuft.....	8.10
32 93 13 00-0021	EA	1 Gallon Iberis sempervirens - Candytuft.....	19.43
32 93 13 00-0022	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine.....	23.32
32 93 13 00-0023	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine.....	84.20
32 93 13 00-0024	EA	3" Pot Ajuga reptans - Carpet Bugle.....	4.86
32 93 13 00-0025	EA	1 Quart Ajuga reptans - Carpet Bugle.....	8.09
32 93 13 00-0026	EA	1 Gallon Ajuga reptans - Carpet Bugle.....	19.43
32 93 13 00-0027	EA	24 Plant Flat Ajuga reptans - Carpet Bugle.....	83.66
32 93 13 00-0028	EA	1 Gallon Macfadyena unguis-cati - Cat Claw Vine.....	19.43
32 93 13 00-0029	EA	5 Gallon Macfadyena unguis-cati - Cat Claw Vine.....	84.20
32 93 13 00-0030	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	25.37
32 93 13 00-0031	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	56.14
32 93 13 00-0032	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	84.20
32 93 13 00-0033	EA	1 Gallon Ranunculaceae - Clematis Varieties.....	27.89
32 93 13 00-0034	EA	2 Gallon Ranunculaceae - Clematis Varieties.....	51.58
32 93 13 00-0035	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea.....	35.08
32 93 13 00-0036	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea.....	65.85
32 93 13 00-0037	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea.....	107.95
32 93 13 00-0038	EA	4" Pot Lantana camera - Common Lantana.....	4.86
32 93 13 00-0039	EA	1 Gallon Lantana camera - Common Lantana.....	14.03
32 93 13 00-0040	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia.....	16.73
32 93 13 00-0041	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia.....	55.05
32 93 13 00-0042	EA	2 Quart Lysimachia nummularia - Creeping Jenny.....	8.10
32 93 13 00-0043	EA	1 Gallon Lysimachia nummularia - Creeping Jenny.....	15.65
32 93 13 00-0044	EA	2 Quart Liriope spicata - Creeping Lilytuft.....	14.03
32 93 13 00-0045	EA	1 Gallon Liriope spicata - Creeping Lilytuft.....	25.37
32 93 13 00-0046	EA	5 Gallon Liriope spicata - Creeping Lilytuft.....	53.44
32 93 13 00-0047	EA	Bare Root Liriope spicata - Creeping Liriope.....	3.54
32 93 13 00-0048	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	4.86
32 93 13 00-0049	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	19.43
32 93 13 00-0050	EA	2-1/4" Pot Securigera varia - Crown Vetch.....	3.24
32 93 13 00-0051	EA	50 Plant Flat Securigera varia - Crown Vetch.....	109.57
32 93 13 00-0052	EA	1 Quart Senecio cineraria - Dusty Miller.....	8.10
32 93 13 00-0053	EA	1 Gallon Senecio cineraria - Dusty Miller.....	19.43
32 93 13 00-0054	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe.....	67.47
32 93 13 00-0055	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe.....	123.60
32 93 13 00-0056	EA	1 Gallon Ilex cornuta - Dwarf Holly.....	14.66
32 93 13 00-0057	EA	3 Gallon Ilex cornuta - Dwarf Holly.....	31.41
32 93 13 00-0058	EA	3 Gallon Rhamphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn.....	31.41
32 93 13 00-0059	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant.....	10.47
32 93 13 00-0060	EA	2" To 3" Pot Hedera helix - English Ivy.....	4.86
32 93 13 00-0061	EA	12" To 15" Runners Hedera helix - English Ivy.....	8.10
32 93 13 00-0062	EA	1 Gallon Hedera helix - English Ivy.....	19.43
32 93 13 00-0063	EA	50 Plant Flat Hedera helix - English Ivy.....	112.27
32 93 13 00-0064	EA	4" Pot Lavandula angustifolia - English Lavender.....	7.02
32 93 13 00-0065	EA	1 Quart Lavandula angustifolia - English Lavender.....	13.49
32 93 13 00-0066	EA	1 Gallon Lavandula angustifolia - English Lavender.....	22.13
32 93 13 00-0067	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....	21.05
32 93 13 00-0068	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....	42.10
32 93 13 00-0069	EA	1 Quart Arundo donax - Giant Reed.....	25.91
32 93 13 00-0070	EA	1 Gallon Arundo donax - Giant Reed.....	37.24
32 93 13 00-0071	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	22.13
32 93 13 00-0072	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	42.10
32 93 13 00-0073	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	28.61
32 93 13 00-0074	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	43.18
32 93 13 00-0075	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	4.86
32 93 13 00-0076	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	22.13
32 93 13 00-0077	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	42.10
32 93 13 00-0078	EA	1 Gallon Hardenbergia violacea - Happy Wanderer.....	19.43

**32 Exterior Improvements****32 90 Planting****32 93 Plants**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 93 13 00-0079	EA	5 Gallon Hardenbergia violacea - Happy Wanderer.....	64.77	
32 93 13 00-0080	EA	3 Gallon Hibiscus, Assorted Colors.....	25.31	
32 93 13 00-0081	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag.....	20.24	
32 93 13 00-0082	EA	1 Gallon Jasminum volubile - Wax Jasmine.....	10.20	
32 93 13 00-0083	EA	1 Gallon Jasminum volubile - Wax Jasmine.....	25.31	
32 93 13 00-0084	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper.....	12.71	
32 93 13 00-0085	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper.....	28.31	
32 93 13 00-0086	EA	1 Gallon Cissus antarctica - Kangaroo Vine.....	15.65	
32 93 13 00-0087	EA	5 Gallon Cissus antarctica - Kangaroo Vine.....	49.12	
32 93 13 00-0088	EA	1 Quart Stachys byzantina - Lamb's Ear.....	8.10	
32 93 13 00-0089	EA	1 Quart Stachys byzantina - Lamb's Ear.....	19.43	
32 93 13 00-0090	EA	1 Gallon Lantana spp. Various Colors.....	11.46	
32 93 13 00-0091	EA	1 Gallon Lantana sellowiana - Trailing Lantana.....	7.54	
32 93 13 00-0092	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	15.65	
32 93 13 00-0093	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	56.13	
32 93 13 00-0094	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	11.46	
32 93 13 00-0095	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	14.45	
32 93 13 00-0096	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	23.11	
32 93 13 00-0097	EA	1 Quart Moss Phlox, Creeping Phlox.....	8.10	
32 93 13 00-0098	EA	1 Gallon Moss Phlox, Creeping Phlox.....	19.43	
32 93 13 00-0099	EA	1 Gallon Nephrolepis exaltata - Common Boston Fern.....	10.20	
32 93 13 00-0100	EA	4" Pot Ophiopogon Japonicus - Mondo grass.....	4.86	
32 93 13 00-0101	EA	1 Gallon Ophiopogon Japonicus - Mondo grass.....	19.43	
32 93 13 00-0102	EA	5 Gallon Ophiopogon Japonicus - Mondo grass.....	44.80	
32 93 13 00-0103	EA	2' To 3' High Oregon Holly-Grape.....	22.43	
32 93 13 00-0104	EA	1 Gallon Pachysandra terminalis - Pachysandra.....	29.22	
32 93 13 00-0105	EA	2-1/4" Pot Vinca minor - Periwinkle.....	2.70	
32 93 13 00-0106	EA	4" Pot Vinca minor - Periwinkle.....	8.10	
32 93 13 00-0107	EA	Bare Root Vinca minor - Periwinkle.....	2.70	
32 93 13 00-0108	EA	1 Quart Nepeta mussinii - Persian Catmint.....	8.10	
32 93 13 00-0109	EA	1 Gallon Nepeta mussinii - Persian Catmint.....	16.73	
32 93 13 00-0110	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma.....	13.49	
32 93 13 00-0111	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma.....	49.12	
32 93 13 00-0112	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper.....	22.13	
32 93 13 00-0113	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper.....	47.50	
32 93 13 00-0114	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper.....	70.17	
32 93 13 00-0115	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	19.27	
32 93 13 00-0116	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	49.94	
32 93 13 00-0117	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	83.66	
32 93 13 00-0118	EA	1 Gallon Tradescantia spathacea - Rhoen Discolor "Dwarf".....	10.20	
32 93 13 00-0119	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	11.34	
32 93 13 00-0120	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	20.24	
32 93 13 00-0121	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	31.58	
32 93 13 00-0122	EA	1 Gallon Hymenocallis latifolia - Spider Lily.....	12.56	
32 93 13 00-0123	EA	3 Gallon Hymenocallis latifolia - Spider Lily.....	33.51	
32 93 13 00-0124	EA	1 Quart Hypericum perforatum - St. John's Wort.....	8.10	
32 93 13 00-0125	EA	1 Gallon Hypericum perforatum - St. John's Wort.....	19.43	
32 93 13 00-0126	EA	5 Gallon Hypericum perforatum - St. John's Wort.....	50.20	
32 93 13 00-0127	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum.....	68.31	
32 93 13 00-0128	EA	1 Gallon Campsis radicans - Trumpet Creeper.....	29.69	
32 93 13 00-0129	EA	2 Gallon Campsis radicans - Trumpet Creeper.....	44.80	
32 93 13 00-0130	EA	5 Gallon Campsis radicans - Trumpet Creeper.....	107.95	
32 93 13 00-0131	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle.....	2.70	
32 93 13 00-0132	EA	4" Pot Vinca major - Variegated Greater Periwinkle.....	8.10	
32 93 13 00-0133	EA	Bare Root Vinca major - Variegated Greater Periwinkle.....	2.70	
32 93 13 00-0134	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge.....	14.57	
32 93 13 00-0135	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge.....	20.24	
32 93 13 00-0136	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge.....	31.58	
32 93 13 00-0137	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf.....	22.13	
32 93 13 00-0138	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena.....	10.26	
32 93 13 00-0139	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena.....	15.65	
32 93 13 00-0140	EA	48 Plant Flat Vinca minor - Lesser Periwinkle.....	96.20	
32 93 13 00-0141	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper.....	4.86	
32 93 13 00-0142	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper.....	25.37	
32 93 13 00-0143	EA	1 Gallon Jasminum polyanthum - Winter Jasmine.....	19.43	
32 93 13 00-0144	EA	2 Gallon Jasminum polyanthum - Winter Jasmine.....	38.86	
32 93 13 00-0145	EA	5 Gallon Jasminum polyanthum - Winter Jasmine.....	67.47	
32 93 13 00-0146	EA	1 Gallon Cistaceae - Winkleleaf Rock Rose.....	15.65	
32 93 13 00-0147	EA	5 Gallon Cistaceae - Winkleleaf Rock Rose.....	53.44	
32 93 13 00-0148	EA	Flat Hedera canariensis - Algerian Ivy.....	24.14	
32 93 13 00-0149	EA	2-1/2" Pot Hedera canariensis - Algerian Ivy.....	6.37	
32 93 13 00-0150	EA	Flat Gazania 'Copper King'.....	19.80	
32 93 13 00-0151	EA	1 Gallon Gazania 'Copper King'.....	6.76	
32 93 13 00-0152	EA	Flat Myoporum parvifolium - Myoporum.....	24.14	
32 93 13 00-0153	EA	1 Gallon Myoporum parvifolium - Myoporum.....	6.76	
32 93 13 00-0154	EA	5 Gallon Myoporum parvifolium - Myoporum.....	19.31	
32 93 13 00-0155	EA	1 Gallon Lantana montevidensis - Purple Lantana.....	6.76	
32 93 13 00-0156	EA	5 Gallon Lantana montevidensis - Purple Lantana.....	19.31	
32 93 13 00-0157	EA	Flat Carpobrotus - Ice Plant.....	18.35	
32 93 13 00-0158	EA	1 Gallon Carpobrotus - Ice Plant.....	7.73	
32 93 13 00-0159	EA	1 Gallon Acmispon galaber - Common Deerweed.....	14.47	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0160	EA	1	Gallon Acacia redolens - Bank Catclaw.....	5.99	
32 93 13 00-0161	EA	5	Gallon Acacia redolens - Bank Catclaw.....	18.60	
32 93 13 00-0162	EA	15	Gallon Acacia redolens - Bank Catclaw.....	72.35	
32 93 13 00-0163	EA	1	Gallon Achillea filipendulina - Fernleaf Yarrow.....	8.89	
32 93 13 00-0164	EA	1	Gallon Achillea millefolium - Common Yarrow.....	8.06	
32 93 13 00-0165	EA	5	Gallon Achillea millefolium - Common Yarrow.....	24.81	
32 93 13 00-0166	EA	1	Gallon Achillea millefolium 'Paprika' - Red Yarrow.....	8.89	
32 93 13 00-0167	EA	1	Gallon Achillea 'Moonshine' - Yellow yarrow.....	8.89	
32 93 13 00-0168	EA	1	Gallon Agave americana - Century Plant.....	12.20	
32 93 13 00-0169	EA	5	Gallon Agave americana - Century Plant.....	33.08	
32 93 13 00-0170	EA	15	Gallon Agave americana - Century Plant.....	101.29	
32 93 13 00-0171	EA	24"	Box Agave americana - Century Plant.....	361.76	
32 93 13 00-0172	EA	1	Gallon Agave vilmoriniana - Octopus Agave.....	12.20	
32 93 13 00-0173	EA	5	Gallon Agave vilmoriniana - Octopus Agave.....	33.08	
32 93 13 00-0174	EA	15	Gallon Agave vilmoriniana - Octopus Agave.....	101.29	
32 93 13 00-0175	EA	24"	Box Agave vilmoriniana - Octopus Agave.....	361.76	
32 93 13 00-0176	EA	5	Gallon Nolina parryi - Giant Nolina.....	33.08	

32 93 13 00-0177 Ornamental Grasses (32 93 13)

32 93 13 00-0178	EA	1	Gallon, Cortaderia selloana - Pampas Grass.....	30.65	
32 93 13 00-0179	EA	2	Gallon, Cortaderia selloana - Pampas Grass.....	56.66	
32 93 13 00-0180	EA	3	Gallon, Cortaderia selloana - Pampas Grass.....	102.97	
32 93 13 00-0181	EA	5	Gallon, Cortaderia selloana - Pampas Grass.....	187.42	
32 93 13 00-0182	EA	1	Quart, Imperata cylindrica - Japanese Blood Grass.....	23.46	
32 93 13 00-0183	EA	1	Gallon, Imperata cylindrica - Japanese Blood Grass.....	31.20	
32 93 13 00-0184	EA	2	Gallon, Imperata cylindrica - Japanese Blood Grass.....	33.39	
32 93 13 00-0185	EA	1	Quart, Koeleria glauca - Blue Hair Grass.....	23.40	
32 93 13 00-0186	EA	1	Gallon, Koeleria glauca - Blue Hair Grass.....	31.20	
32 93 13 00-0187	EA	3	Gallon, Koeleria glauca - Blue Hair Grass.....	75.48	
32 93 13 00-0188	EA	1	Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	29.62	
32 93 13 00-0189	EA	3	Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	38.39	
32 93 13 00-0190	EA	5	Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	73.39	
32 93 13 00-0191	EA	1	Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	27.49	
32 93 13 00-0192	EA	3	Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	43.22	
32 93 13 00-0193	EA	5	Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	73.97	
32 93 13 00-0194	EA	1	Quart, Pennisetum setaceum - Fountain Grass.....	25.59	
32 93 13 00-0195	EA	1	Gallon, Pennisetum setaceum - Fountain Grass.....	65.10	
32 93 13 00-0196	EA	3	Gallon, Pennisetum setaceum - Fountain Grass.....	85.83	
32 93 13 00-0197	EA	1	Gallon, Saccharum ravennae - Ravenna Grass.....	81.03	
32 93 13 00-0198	EA	3	Gallon, Saccharum ravennae - Ravenna Grass.....	91.02	
32 93 13 00-0199	EA	7	Gallon, Saccharum ravennae - Ravenna Grass.....	150.16	
32 93 13 00-0200	EA	1	Gallon, Spartina pectinata - Variegated Cord Grass.....	43.99	
32 93 13 00-0201	EA	2	Gallon, Spartina pectinata - Variegated Cord Grass.....	65.85	
32 93 13 00-0202	EA	1	Quart, Stipa gigantea - Giant Feather Grass.....	33.58	
32 93 13 00-0203	EA	1	Gallon, Stipa gigantea - Giant Feather Grass.....	46.80	

32 93 23 Plants and Bulbs (32 93)

Note: Materials only. See CSI section 32 93 83 00-0062 for installation and planting of bulbs and annuals.

32 93 23 00-0001 Perennials (32 93 23)

32 93 23 00-0002	EA	2	Quart Assorted Daylilies.....	15.65	
32 93 23 00-0003	EA	1	Gallon Assorted Daylilies.....	22.13	
32 93 23 00-0004	EA	2	Gallon Assorted Daylilies.....	36.70	
32 93 23 00-0005	EA	1	Quart Azure Penstemon.....	8.09	
32 93 23 00-0006	EA	1	Gallon Azure Penstemon.....	20.24	
32 93 23 00-0007	EA	1	Quart Balloon Flower.....	8.09	
32 93 23 00-0008	EA	1	Gallon Balloon Flower.....	20.24	
32 93 23 00-0009	EA	1	Quart Black-eyed Susan.....	8.09	
32 93 23 00-0010	EA	1	Gallon Black-eyed Susan.....	20.24	
32 93 23 00-0011	EA	2	Gallon Black-eyed Susan.....	26.18	
32 93 23 00-0012	EA	1	Quart Blackberry Lily.....	8.09	
32 93 23 00-0013	EA	1	Gallon Blackberry Lily.....	20.24	
32 93 23 00-0014	EA	1	Quart Blank Flower.....	8.09	
32 93 23 00-0015	EA	1	Gallon Blank Flower.....	18.62	
32 93 23 00-0016	EA	2	Gallon Blank Flower.....	26.18	
32 93 23 00-0017	EA	1	Quart Blazing Star, Gayfeather.....	8.09	
32 93 23 00-0018	EA	1	Gallon Blazing Star, Gayfeather.....	20.24	
32 93 23 00-0019	EA	1	Quart Bloodred Geranium.....	13.76	
32 93 23 00-0020	EA	1	Gallon Bloodred Geranium.....	23.21	
32 93 23 00-0021	EA	1	Quart Blue Plumbago.....	8.09	
32 93 23 00-0022	EA	1	Gallon Blue Plumbago.....	20.24	
32 93 23 00-0023	EA	1	Quart Blue Star.....	14.57	
32 93 23 00-0024	EA	1	Gallon Blue Star.....	23.21	
32 93 23 00-0025	EA	1	Quart Cardinal Flower.....	8.09	
32 93 23 00-0026	EA	1	Gallon Cardinal Flower.....	20.24	
32 93 23 00-0027	EA	4"	Pot Columbine.....	4.86	
32 93 23 00-0028	EA	1	Quart Columbine.....	8.09	
32 93 23 00-0029	EA	1	Gallon Columbine.....	20.24	
32 93 23 00-0030	EA	1	Quart Common Globeflower.....	8.09	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 93 23 00-0031	EA	1 Gallon Common Globeflower.....	20.24	
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink.....	8.09	
32 93 23 00-0033	EA	1 Quart Cottage Pink, Scotch Pink.....	20.24	
32 93 23 00-0034	EA	1 Gallon Astilbe 'Deutschland'.....	29.15	
32 93 23 00-0035	EA	1 Quart Diploid.....	10.26	
32 93 23 00-0036	EA	1 Gallon Diploid.....	23.21	
32 93 23 00-0037	EA	3 Gallon Diploid.....	39.94	
32 93 23 00-0038	EA	4" Pot Dune Sunflower.....	11.56	
32 93 23 00-0039	EA	1 Quart Evans Begonia.....	14.57	
32 93 23 00-0040	EA	1 Gallon Evans Begonia.....	26.18	
32 93 23 00-0041	EA	1 Quart False Dragonhead.....	8.09	
32 93 23 00-0042	EA	1 Gallon False Dragonhead.....	20.24	
32 93 23 00-0043	EA	1 Quart False Spirea.....	8.09	
32 93 23 00-0044	EA	1 Gallon False Spirea.....	26.18	
32 93 23 00-0045	EA	3 Gallon False Spirea.....	36.16	
32 93 23 00-0046	EA	2 Quart False Sunflower.....	12.95	
32 93 23 00-0047	EA	1 Gallon False Sunflower.....	20.24	
32 93 23 00-0048	EA	2 Gallon False Sunflower.....	26.18	
32 93 23 00-0049	EA	1 Gallon Foxglove.....	18.62	
32 93 23 00-0050	EA	2 Gallon Foxglove.....	26.18	
32 93 23 00-0051	EA	3 Gallon Foxglove.....	37.78	
32 93 23 00-0052	EA	1 Gallon Francee Hostas.....	32.78	
32 93 23 00-0053	EA	1 Quart Garden Phlox.....	8.09	
32 93 23 00-0054	EA	1 Gallon Garden Phlox.....	20.24	
32 93 23 00-0055	EA	2 Quart Golden Groundsel.....	17.27	
32 93 23 00-0056	EA	2 Gallon Golden Groundsel.....	34.82	
32 93 23 00-0057	EA	1 Quart Golden Star.....	8.09	
32 93 23 00-0058	EA	1 Gallon Golden Star.....	20.24	
32 93 23 00-0059	EA	1 Quart Goldenrod.....	8.09	
32 93 23 00-0060	EA	1 Gallon Goldenrod.....	20.24	
32 93 23 00-0061	EA	1 Gallon Happy Returns Daylillies.....	37.70	
32 93 23 00-0062	EA	4" Pot Hardy Aster, Michaelmas Daisy.....	4.86	
32 93 23 00-0063	EA	1 Quart Hardy Aster, Michaelmas Daisy.....	8.09	
32 93 23 00-0064	EA	1 Gallon Hardy Aster, Michaelmas Daisy.....	20.24	
32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum.....	7.02	
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum.....	11.61	
32 93 23 00-0067	EA	1 Gallon Hardy Chrysanthemum.....	18.62	
32 93 23 00-0068	EA	1 Gallon Herbaceous Peony.....	28.88	
32 93 23 00-0069	EA	2 Gallon Herbaceous Peony.....	46.15	
32 93 23 00-0070	EA	3 Gallon Herbaceous Peony.....	60.73	
32 93 23 00-0071	EA	4" Pot Japanese Anemone.....	4.86	
32 93 23 00-0072	EA	1 Quart Japanese Anemone.....	14.57	
32 93 23 00-0073	EA	2 Gallon Japanese Anemone.....	26.18	
32 93 23 00-0074	EA	2" Pot Japanese Spurge.....	2.88	
32 93 23 00-0075	EA	6" Pot Japanese Spurge.....	4.32	
32 93 23 00-0076	EA	1 Gallon Japanese Spurge.....	18.59	
32 93 23 00-0077	EA	1 Quart Oriental Poppy.....	11.61	
32 93 23 00-0078	EA	1 Gallon Oriental Poppy.....	23.21	
32 93 23 00-0079	EA	48 Plant Flat Pachysandra terminalis.....	96.20	
32 93 23 00-0080	EA	1 Gallon Pacific Coast Iris.....	15.92	
32 93 23 00-0081	EA	3 Gallon Pacific Coast Iris.....	30.23	
32 93 23 00-0082	EA	1 Gallon Palace Purple Coral Bells.....	30.65	
32 93 23 00-0083	EA	4" Pot Perennial Salvia.....	4.86	
32 93 23 00-0084	EA	1 Quart Perennial Salvia.....	8.09	
32 93 23 00-0085	EA	1 Gallon Perennial Salvia.....	20.24	
32 93 23 00-0086	EA	1 Quart Pincushion Flower.....	8.09	
32 93 23 00-0087	EA	1 Gallon Pincushion Flower.....	20.24	
32 93 23 00-0088	EA	2 Quart Plantain Lily.....	15.65	
32 93 23 00-0089	EA	1 Gallon Plantain Lily.....	22.13	
32 93 23 00-0090	EA	2 Gallon Plantain Lily.....	36.70	
32 93 23 00-0091	EA	3 Gallon Plantain Lily.....	69.36	
32 93 23 00-0092	EA	2 Quart Purple Coneflower.....	14.57	
32 93 23 00-0093	EA	1 Gallon Purple Coneflower.....	20.24	
32 93 23 00-0094	EA	2 Gallon Purple Coneflower.....	26.18	
32 93 23 00-0095	EA	1 Quart Purple Loosestrife.....	8.09	
32 93 23 00-0096	EA	1 Gallon Purple Loosestrife.....	20.24	
32 93 23 00-0097	EA	1 Quart Rose Mallow.....	15.92	
32 93 23 00-0098	EA	2 Gallon Rose Mallow.....	28.88	
32 93 23 00-0099	EA	3 Gallon Rose Mallow.....	49.39	
32 93 23 00-0100	EA	1 Gallon Autumn Joy Sedum.....	30.86	
32 93 23 00-0101	EA	1 Quart Siberian Iris.....	13.76	
32 93 23 00-0102	EA	2 Gallon Siberian Iris.....	26.18	
32 93 23 00-0103	EA	3 Gallon Siberian Iris.....	36.16	
32 93 23 00-0104	EA	1 Quart Speedwell.....	8.09	
32 93 23 00-0105	EA	1 Gallon Speedwell.....	20.24	
32 93 23 00-0106	EA	1 Quart Tetraploid.....	20.24	
32 93 23 00-0107	EA	1 Gallon Tetraploid.....	37.78	
32 93 23 00-0108	EA	3 Gallon Tetraploid.....	51.55	
32 93 23 00-0109	EA	1 Quart Threadleaf Coreopsis.....	8.09	
32 93 23 00-0110	EA	1 Gallon Threadleaf Coreopsis.....	20.24	
32 93 23 00-0111	EA	1 Quart Torch Lily.....	8.09	



<b>Exterior Improvements</b>		<b>32</b>
Planting		32 90
Plants		32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			32 93 23 00-0112 EA 1 Quart Bluebeard .....	14.57	
			32 93 23 00-0113 EA 1 Gallon Bluebeard .....	21.59	
			32 93 23 00-0114 EA 2 Gallon Bluebeard .....	31.58	
<b>32 93 23 00-0115</b>			<b>Annuals</b> (32 93 23)		
			32 93 23 00-0116 EA 2-1/2" Pot Annual Flowers .....	3.76	
			32 93 23 00-0117 EA 3" Pot Annual Flowers .....	5.08	
			32 93 23 00-0118 EA 4" Pot Annual Flowers .....	10.86	
			32 93 23 00-0119 EA 5-1/2" Pot Annual Flowers .....	14.44	
			32 93 23 00-0120 EA 6" Pot Annual Flowers .....	28.60	
			32 93 23 00-0121 EA 8" Pot Annual Flowers .....	47.67	
			32 93 23 00-0122 EA 36 Plant Flat Annual Flowers .....	62.40	
			32 93 23 00-0123 EA 48 Plant Flat Annual Flowers .....	70.78	
<b>32 93 23 00-0124</b>			<b>Bulbs</b> (32 93 23)		
			32 93 23 00-0125 EA Top Size Allium giganteum - Giant Ornamental Onion .....	13.06	
			32 93 23 00-0126 EA Top Size Allium sphaerocephalum - Drumstick Ornamental Onion .....	0.75	
			32 93 23 00-0127 EA Top Size Crocus Hybrid .....	0.85	
			32 93 23 00-0128 EA Top Size Eranthis hyemalis - Winter Aconite .....	1.11	
			32 93 23 00-0129 EA Top Size Galanthus nivalis - Snowdrops .....	1.41	
			32 93 23 00-0130 EA Top Size Iris reticulata cvs - Dutch Iris .....	0.55	
			32 93 23 00-0131 EA Top Size Muscari armeniacum - Grape Hyacinth .....	0.65	
			32 93 23 00-0132 EA Top Size Muscari latifolium - Grape Hyacinth .....	0.75	
			32 93 23 00-0133 EA Narcissus 'Carlton' - Carlton Daffodil DNI .....	4.52	
			32 93 23 00-0134 EA Narcissus 'Dutch Master' - Dutch Master Daffodil DNI .....	2.16	
			32 93 23 00-0135 EA Narcissus 'February Gold' - February Gold Daffodil DNI .....	2.26	
			32 93 23 00-0136 EA Narcissus 'Ice Follies' - Ice Follies Daffodil DNI .....	2.26	
			32 93 23 00-0137 EA Narcissus 'Mount Hood' - Mount Hood Daffodil DNI .....	2.36	
			32 93 23 00-0138 EA Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI .....	2.51	
			32 93 23 00-0139 EA Narcissus 'Pipit' - Pipit Daffodil DNI .....	2.36	
			32 93 23 00-0140 EA Narcissus 'Salome' - Salome Daffodil DNI .....	2.21	
			32 93 23 00-0141 EA Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI .....	2.36	
			32 93 23 00-0142 EA Narcissus 'Thalia' - Thalia Daffodil DNI .....	2.36	
			32 93 23 00-0143 EA Top Size Scilla siberica - Siberian Squill .....	0.70	
			32 93 23 00-0144 EA Top Size Tulip 'Angelique' - Angelique Tulip .....	2.01	
			32 93 23 00-0145 EA Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip .....	1.51	
			32 93 23 00-0146 EA Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip .....	2.01	
			32 93 23 00-0147 EA Top Size Tulip 'Big Smile' - Big Smile Tulip .....	1.76	
			32 93 23 00-0148 EA Top Size Tulip 'Black Parrot' - Black Parrot Tulip .....	2.51	
			32 93 23 00-0149 EA Top Size Tulip 'Blue Heron' - Blue Heron Tulip .....	1.91	
			32 93 23 00-0150 EA Top Size Tulip 'Cardinal' - Cardinal Tulip .....	1.66	
			32 93 23 00-0151 EA Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip .....	1.86	
			32 93 23 00-0152 EA Top Size Tulip clusiana - Species Tulip .....	1.86	
			32 93 23 00-0153 EA Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip .....	1.86	
			32 93 23 00-0154 EA Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip .....	1.51	
			32 93 23 00-0155 EA Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip .....	1.46	
			32 93 23 00-0156 EA Top Size Tulip 'Halcro' - Halcro Tulip .....	1.51	
			32 93 23 00-0157 EA Top Size Tulip 'Ivory Floradale' - Ivory Floradale Tulip .....	2.51	
			32 93 23 00-0158 EA Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip .....	1.51	
			32 93 23 00-0159 EA Top Size Tulip 'Passionale' - Passionale Tulip .....	2.01	
			32 93 23 00-0160 EA Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip .....	2.16	
			32 93 23 00-0161 EA Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip .....	2.26	
			32 93 23 00-0162 EA Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip .....	1.81	
			32 93 23 00-0163 EA Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip .....	1.71	
			32 93 23 00-0164 EA Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip .....	1.86	
			32 93 23 00-0165 EA Top Size Tulip 'Princeps' - Princeps Tulip .....	1.86	
			32 93 23 00-0166 EA Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip .....	1.46	
			32 93 23 00-0167 EA Top Size Tulip saxatilis - Species Tulip .....	1.00	
			32 93 23 00-0168 EA Top Size Tulip 'Shirley' - Shirley Tulip .....	1.51	
			32 93 23 00-0169 EA Top Size Tulip 'Spring Green' - Spring Green Tulip .....	1.96	
			32 93 23 00-0170 EA Top Size Tulip 'White Emperor' - White Emperor Tulip .....	1.51	
<b>32 93 33</b>			<b>Shrubs</b> (32 93)		
Note: (cvs = cultivar) materials only. See CSI section 32 93 83 00-0038 for installation and planting of shrubs.					
<b>32 93 33 00-0001</b>			<b>Shrubs</b> (32 93 33)		
			32 93 33 00-0002 EA 1 Gallon Abelia x grandiflora - Abelia .....	14.56	
			32 93 33 00-0003 EA 3 Gallon Abelia x grandiflora - Abelia .....	29.64	
			32 93 33 00-0004 EA 5 Gallon Abelia x grandiflora - Abelia .....	56.90	
			32 93 33 00-0005 EA 1 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia .....	8.98	
			32 93 33 00-0006 EA 5 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia .....	22.21	
			32 93 33 00-0007 EA 15 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia .....	88.16	
			32 93 33 00-0008 EA 3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye .....	87.68	
			32 93 33 00-0009 EA 18" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye .....	128.14	
			32 93 33 00-0010 EA 24" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye .....	142.98	
			32 93 33 00-0011 EA 30" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye .....	180.75	
			32 93 33 00-0012 EA 36" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye .....	200.98	
			32 93 33 00-0013 EA 18" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye .....	40.47	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 33 00-0014	EA	24" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	53.95
32 93 33 00-0015	EA	30" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	67.44
32 93 33 00-0016	EA	1 Gallon Agapanthus 'Peter Pan' - Lily of the Nile	8.98
32 93 33 00-0017	EA	5 Gallon Agapanthus 'Peter Pan' - Lily of the Nile	22.21
32 93 33 00-0018	EA	36" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	37.24
32 93 33 00-0019	EA	42" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	43.82
32 93 33 00-0020	EA	48" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	52.58
32 93 33 00-0021	EA	60" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	61.34
32 93 33 00-0022	EA	72" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	74.49
32 93 33 00-0023	EA	36" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	36.15
32 93 33 00-0024	EA	42" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	38.34
32 93 33 00-0025	EA	48" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	40.53
32 93 33 00-0026	EA	60" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	46.01
32 93 33 00-0027	EA	36" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	36.70
32 93 33 00-0028	EA	42" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	38.89
32 93 33 00-0029	EA	48" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	41.08
32 93 33 00-0030	EA	60" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	43.27
32 93 33 00-0031	EA	1 Gallon Aspidistra elatior - Cast Iron Plant	7.53
32 93 33 00-0032	EA	2 Gallon Aspidistra elatior - Cast Iron Plant	17.42
32 93 33 00-0033	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	8.83
32 93 33 00-0034	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	19.42
32 93 33 00-0035	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	26.24
32 93 33 00-0036	EA	1 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush	8.98
32 93 33 00-0037	EA	5 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush	22.21
32 93 33 00-0038	EA	1 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush	8.98
32 93 33 00-0039	EA	5 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush	22.21
32 93 33 00-0040	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	9.41
32 93 33 00-0041	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	13.77
32 93 33 00-0042	EA	15" To 18" Berberis - Northern Bayberry	39.30
32 93 33 00-0043	EA	2' To 2-1/2' Berberis - Northern Bayberry	49.89
32 93 33 00-0044	EA	2-1/2' To 3' Berberis - Northern Bayberry	69.90
32 93 33 00-0045	EA	1 Gallon Berberis Buxifolia 'Nana' - Barberry	10.14
32 93 33 00-0046	EA	5 Gallon Berberis Buxifolia 'Nana' - Barberry	24.43
32 93 33 00-0047	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry	42.01
32 93 33 00-0048	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry	53.78
32 93 33 00-0049	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry	68.72
32 93 33 00-0050	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry	11.30
32 93 33 00-0051	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry	22.24
32 93 33 00-0052	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry	27.18
32 93 33 00-0053	EA	1 Gallon Berberis x mentorensis - Mentor Barberry	10.71
32 93 33 00-0054	EA	5 Gallon Berberis x mentorensis - Mentor Barberry	30.24
32 93 33 00-0055	EA	2' To 3' Berberis x mentorensis - Mentor Barberry	42.01
32 93 33 00-0056	EA	3' To 4' Berberis x mentorensis - Mentor Barberry	64.84
32 93 33 00-0057	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood	12.24
32 93 33 00-0058	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood	32.83
32 93 33 00-0059	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood	34.95
32 93 33 00-0060	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood	44.95
32 93 33 00-0061	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood	59.90
32 93 33 00-0062	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood	89.90
32 93 33 00-0063	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood	124.85
32 93 33 00-0064	EA	12" To 15" Buxus sempervirens - Common Boxwood	34.95
32 93 33 00-0065	EA	15" To 18" Buxus sempervirens - Common Boxwood	44.95
32 93 33 00-0066	EA	18" To 24" Buxus sempervirens - Common Boxwood	59.90
32 93 33 00-0067	EA	24" To 30" Buxus sempervirens - Common Boxwood	89.90
32 93 33 00-0068	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars	23.00
32 93 33 00-0069	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars	38.34
32 93 33 00-0070	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood	100.78
32 93 33 00-0071	EA	18" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	54.77
32 93 33 00-0072	EA	24" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	74.49
32 93 33 00-0073	EA	30" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	100.78
32 93 33 00-0074	EA	1 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush	8.06
32 93 33 00-0075	EA	5 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush	24.81
32 93 33 00-0076	EA	15 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush	80.62
32 93 33 00-0077	EA	5 Gallon Calycanthus floridus - Common Sweetshrub	36.15
32 93 33 00-0078	EA	30" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	32.86
32 93 33 00-0079	EA	36" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	43.82
32 93 33 00-0080	EA	1 Gallon Camellia "Sasanqua" - Camellia	9.61
32 93 33 00-0081	EA	3 Gallon Camellia "Sasanqua" - Camellia	20.50
32 93 33 00-0082	EA	5 Gallon Camellia "Sasanqua" - Camellia	34.07
32 93 33 00-0083	EA	7 Gallon Camellia "Sasanqua" - Camellia	50.74
32 93 33 00-0084	EA	15 Gallon Camellia "Sasanqua" - Camellia	131.64
32 93 33 00-0085	EA	1 Gallon Camellia japonica - Camellia	9.61
32 93 33 00-0086	EA	3 Gallon Camellia japonica - Camellia	20.50
32 93 33 00-0087	EA	5 Gallon Camellia japonica - Camellia	34.07
32 93 33 00-0088	EA	5 Gallon Ceanothus americanus - New Jersey Tea	36.15
32 93 33 00-0089	EA	1 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	10.14
32 93 33 00-0090	EA	5 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	26.36
32 93 33 00-0091	EA	5 Gallon Celastrus scandens - Bittersweet	36.15
32 93 33 00-0092	EA	36" Balled and Burlapped, Celastrus scandens - Bittersweet	30.67
32 93 33 00-0093	EA	5 Gallon Cephalanthus occidentalis - Buttonbush	36.15
32 93 33 00-0094	EA	24" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	27.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0095 EA 30" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush .....	30.67	
32 93 33 00-0096 EA 36" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush .....	32.86	
32 93 33 00-0097 EA 18" To 24" Chaenomeles speciosa - Flowering Quince .....	31.54	
32 93 33 00-0098 EA 2' To 3' Chaenomeles speciosa - Flowering Quince .....	42.01	
32 93 33 00-0099 EA 3' To 4' Chaenomeles speciosa - Flowering Quince .....	64.84	
32 93 33 00-0100 EA 1 Gallon Cistus Hybridus - White Rockrose .....	8.98	
32 93 33 00-0101 EA 5 Gallon Cistus Hybridus - White Rockrose .....	22.21	
32 93 33 00-0102 EA 3 Gallon Clethra alnifolia & cvs - Summersweet Clethra .....	35.05	
32 93 33 00-0103 EA 18" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra .....	37.79	
32 93 33 00-0104 EA 24" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra .....	42.17	
32 93 33 00-0105 EA 30" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra .....	44.36	
32 93 33 00-0106 EA 36" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra .....	52.03	
32 93 33 00-0107 EA 1 Gallon Coleonema Pulchellum - Confetti Bush .....	8.98	
32 93 33 00-0108 EA 5 Gallon Coleonema Pulchellum - Confetti Bush .....	22.21	
32 93 33 00-0109 EA 15 Gallon Coleonema Pulchellum - Confetti Bush .....	104.00	
32 93 33 00-0110 EA 2' To 3' Cornus mas - Cornelian Cherry .....	49.89	
32 93 33 00-0111 EA 3' To 4' Cornus mas - Cornelian Cherry .....	62.37	
32 93 33 00-0112 EA 4' To 5' Cornus mas - Cornelian Cherry .....	79.90	
32 93 33 00-0113 EA 5' To 6' Cornus mas - Cornelian Cherry .....	109.79	
32 93 33 00-0114 EA 5 Gallon Cornus alba & cvs - Tartarian Dogwood .....	32.86	
32 93 33 00-0115 EA 36" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood .....	23.00	
32 93 33 00-0116 EA 48" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood .....	26.29	
32 93 33 00-0117 EA 60" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood .....	32.86	
32 93 33 00-0118 EA 72" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood .....	39.43	
32 93 33 00-0119 EA 36" Balled and Burlapped, Cornus amomum - Silky Dogwood .....	32.86	
32 93 33 00-0120 EA 5 Gallon Cornus obliqua - Blue Fruited Dogwood .....	36.15	
32 93 33 00-0121 EA 5 Gallon Cornus racemosa - Gray Dogwood .....	36.15	
32 93 33 00-0122 EA 36" Balled and Burlapped, Cornus racemosa - Gray Dogwood .....	32.86	
32 93 33 00-0123 EA 48" Balled and Burlapped, Cornus racemosa - Gray Dogwood .....	38.34	
32 93 33 00-0124 EA 60" Balled and Burlapped, Cornus racemosa - Gray Dogwood .....	41.62	
32 93 33 00-0125 EA 72" Balled and Burlapped, Cornus racemosa - Gray Dogwood .....	50.39	
32 93 33 00-0126 EA 36" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood .....	35.60	
32 93 33 00-0127 EA 48" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood .....	39.98	
32 93 33 00-0128 EA 60" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood .....	45.46	
32 93 33 00-0129 EA 24" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood .....	28.48	
32 93 33 00-0130 EA 30" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood .....	32.86	
32 93 33 00-0131 EA 36" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood .....	35.05	
32 93 33 00-0132 EA 48" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood .....	38.34	
32 93 33 00-0133 EA 60" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood .....	42.72	
32 93 33 00-0134 EA 5 Gallon Corylus americana - American Filbert .....	33.96	
32 93 33 00-0135 EA 30" Balled and Burlapped, Corylus americana - American Filbert .....	38.34	
32 93 33 00-0136 EA 36" Balled and Burlapped, Corylus americana - American Filbert .....	41.08	
32 93 33 00-0137 EA 48" Balled and Burlapped, Corylus americana - American Filbert .....	44.36	
32 93 33 00-0138 EA 24" Balled and Burlapped, Corylus avellana - Contorted Hazelnut .....	109.54	
32 93 33 00-0139 EA 30" Balled and Burlapped, Corylus avellana - Contorted Hazelnut .....	142.40	
32 93 33 00-0140 EA 36" Balled and Burlapped, Corylus avellana - Contorted Hazelnut .....	153.35	
32 93 33 00-0141 EA 42" Balled and Burlapped, Corylus avellana - Contorted Hazelnut .....	197.17	
32 93 33 00-0142 EA 48" Balled and Burlapped, Corylus avellana - Contorted Hazelnut .....	240.99	
32 93 33 00-0143 EA 60" Balled and Burlapped, Corylus avellana - Contorted Hazelnut .....	273.85	
32 93 33 00-0144 EA 5' To 6' Cotinus coggygria - Smoke Tree .....	104.85	
32 93 33 00-0145 EA 6' To 8' Cotinus coggygria - Smoke Tree .....	157.21	
32 93 33 00-0146 EA 8' To 10' Cotinus coggygria - Smoke Tree .....	237.12	
32 93 33 00-0147 EA 5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster .....	27.38	
32 93 33 00-0148 EA 18" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster .....	23.38	
32 93 33 00-0149 EA 24" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster .....	28.48	
32 93 33 00-0150 EA 12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster .....	26.24	
32 93 33 00-0151 EA 3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster .....	28.48	
32 93 33 00-0152 EA 18" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster .....	27.38	
32 93 33 00-0153 EA 24" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster .....	28.48	
32 93 33 00-0154 EA 1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster .....	11.30	
32 93 33 00-0155 EA 2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster .....	34.95	
32 93 33 00-0156 EA 3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster .....	47.19	
32 93 33 00-0157 EA 4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster .....	79.90	
32 93 33 00-0158 EA 1 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster .....	8.98	
32 93 33 00-0159 EA 5 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster .....	22.21	
32 93 33 00-0160 EA 1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster .....	11.30	
32 93 33 00-0161 EA 2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster .....	22.24	
32 93 33 00-0162 EA 1 Gallon Cotoneaster lacteus - Red Clusterberry .....	8.98	
32 93 33 00-0163 EA 5 Gallon Cotoneaster lacteus - Red Clusterberry .....	22.21	
32 93 33 00-0164 EA 15 Gallon Cotoneaster lacteus - Red Clusterberry .....	88.16	
32 93 33 00-0165 EA 1 Gallon Dendromecon harfordii - Island Bush Poppy .....	20.67	
32 93 33 00-0166 EA 5 Gallon Dendromecon harfordii - Island Bush Poppy .....	51.68	
32 93 33 00-0167 EA 18" Balled and Burlapped, Deutzia gracilis - Slender Deutzia .....	27.93	
32 93 33 00-0168 EA 24" Balled and Burlapped, Deutzia gracilis - Slender Deutzia .....	30.67	
32 93 33 00-0169 EA 30" Balled and Burlapped, Deutzia gracilis - Slender Deutzia .....	39.43	
32 93 33 00-0170 EA 36" Balled and Burlapped, Deutzia gracilis - Slender Deutzia .....	46.01	
32 93 33 00-0171 EA 42" Balled and Burlapped, Deutzia gracilis - Slender Deutzia .....	52.58	
32 93 33 00-0172 EA 24" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle .....	43.82	
32 93 33 00-0173 EA 30" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle .....	52.58	
32 93 33 00-0174 EA 36" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle .....	61.34	
32 93 33 00-0175 EA 2 Gallon Diervilla splendens - Splendens Bush Honeysuckle .....	16.43	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 33 00-0176	EA	36" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle.....	39.43
32 93 33 00-0177	EA	48" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle.....	52.58
32 93 33 00-0178	EA	1 Gallon Elaeagnus - Silverberry .....	10.08
32 93 33 00-0179	EA	3 Gallon Elaeagnus - Silverberry .....	20.16
32 93 33 00-0180	EA	5 Gallon Elaeagnus - Silverberry .....	27.71
32 93 33 00-0181	EA	5 Gallon Elaeagnus angustifolia - Russian Olive .....	22.21
32 93 33 00-0182	EA	1 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry .....	8.98
32 93 33 00-0183	EA	5 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry .....	22.21
32 93 33 00-0184	EA	15 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry .....	88.16
32 93 33 00-0185	EA	1 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry.....	8.98
32 93 33 00-0186	EA	5 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry.....	22.21
32 93 33 00-0187	EA	15 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry.....	88.16
32 93 33 00-0188	EA	3' To 4' Elaeagnus umbellata - Autumn Olive .....	32.71
32 93 33 00-0189	EA	4' To 5' Elaeagnus umbellata - Autumn Olive .....	44.95
32 93 33 00-0190	EA	5' To 6' Elaeagnus umbellata - Autumn Olive .....	53.78
32 93 33 00-0191	EA	3' To 4' Elaeagnus angustifolia - Russian Olive .....	52.37
32 93 33 00-0192	EA	1 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia .....	8.98
32 93 33 00-0193	EA	5 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia .....	22.21
32 93 33 00-0194	EA	15 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia .....	88.16
32 93 33 00-0195	EA	1 Gallon Euonymus - Gold Spot.....	9.42
32 93 33 00-0196	EA	2 Gallon Euonymus - Gold Spot.....	19.77
32 93 33 00-0197	EA	5 Gallon Euonymus - Gold Spot.....	27.18
32 93 33 00-0198	EA	1 Gallon Euonymus alatus - Winged Euonymus.....	8.04
32 93 33 00-0199	EA	3 Gallon Euonymus alatus - Winged Euonymus.....	23.18
32 93 33 00-0200	EA	24" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	31.24
32 93 33 00-0201	EA	30" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	39.05
32 93 33 00-0202	EA	36" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	53.66
32 93 33 00-0203	EA	42" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	66.26
32 93 33 00-0204	EA	48" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	78.10
32 93 33 00-0205	EA	54" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	100.78
32 93 33 00-0206	EA	5 Gallon Euonymus alatus - Winged Euonymus.....	28.97
32 93 33 00-0207	EA	60" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	125.97
32 93 33 00-0208	EA	30" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus .....	49.29
32 93 33 00-0209	EA	36" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus .....	58.60
32 93 33 00-0210	EA	42" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus .....	76.68
32 93 33 00-0211	EA	48" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus .....	92.01
32 93 33 00-0212	EA	60" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus .....	113.92
32 93 33 00-0213	EA	18" To 24" Euonymus alatus - Winged Burning Bush.....	34.95
32 93 33 00-0214	EA	2' To 2-1/2' Euonymus alatus - Winged Burning Bush.....	41.19
32 93 33 00-0215	EA	2-1/2' To 3' Euonymus alatus - Winged Burning Bush.....	56.25
32 93 33 00-0216	EA	3' To 3-1/2' Euonymus alatus - Winged Burning Bush.....	67.43
32 93 33 00-0217	EA	3-1/2' To 4' Euonymus alatus - Winged Burning Bush.....	84.84
32 93 33 00-0218	EA	4' To 5' Euonymus alatus - Winged Burning Bush.....	119.79
32 93 33 00-0219	EA	5' To 6' Euonymus alatus - Winged Burning Bush.....	149.80
32 93 33 00-0220	EA	6' To 8' Euonymus alatus - Winged Burning Bush.....	174.75
32 93 33 00-0221	EA	15" To 18" Euonymus alatus - Dwarf Winged Burning Bush.....	34.95
32 93 33 00-0222	EA	18" To 24" Euonymus alatus - Dwarf Winged Burning Bush.....	39.89
32 93 33 00-0223	EA	2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush.....	48.72
32 93 33 00-0224	EA	2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush.....	68.72
32 93 33 00-0225	EA	3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush.....	81.20
32 93 33 00-0226	EA	3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush.....	97.32
32 93 33 00-0227	EA	4' To 5' Euonymus alatus - Dwarf Winged Burning Bush.....	137.33
32 93 33 00-0228	EA	5' To 6' Euonymus alatus - Dwarf Winged Burning Bush.....	162.27
32 93 33 00-0229	EA	36" Balled and Burlapped, Euonymus atropurpurea - Eastern Wahoo .....	29.58
32 93 33 00-0230	EA	1 Gallon Euonymus fortunei - Wintercreeper .....	11.30
32 93 33 00-0231	EA	2 Gallon Euonymus fortunei - Wintercreeper .....	22.24
32 93 33 00-0232	EA	3 Gallon Euonymus fortunei - Wintercreeper .....	27.18
32 93 33 00-0233	EA	5 Gallon Euonymus fortunei - Wintercreeper.....	32.24
32 93 33 00-0234	EA	1 Gallon Euonymus japonicus - Evergreen Spindle.....	8.98
32 93 33 00-0235	EA	5 Gallon Euonymus japonicus - Evergreen Spindle.....	22.21
32 93 33 00-0236	EA	15 Gallon Euonymus japonicus - Evergreen Spindle.....	88.16
32 93 33 00-0237	EA	2' To 3' Forsythia - Korean Forsythia .....	24.95
32 93 33 00-0238	EA	3' To 4' Forsythia - Korean Forsythia .....	31.54
32 93 33 00-0239	EA	4' To 5' Forsythia - Korean Forsythia .....	39.30
32 93 33 00-0240	EA	30" Balled and Burlapped, Forsythia cvs - Forsythia cultivars .....	25.19
32 93 33 00-0241	EA	36" Balled and Burlapped, Forsythia cvs - Forsythia cultivars .....	27.93
32 93 33 00-0242	EA	48" Balled and Burlapped, Forsythia cvs - Forsythia cultivars .....	30.12
32 93 33 00-0243	EA	18" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia.....	26.29
32 93 33 00-0244	EA	24" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia.....	35.05
32 93 33 00-0245	EA	24" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	26.29
32 93 33 00-0246	EA	30" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	30.67
32 93 33 00-0247	EA	36" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	36.15
32 93 33 00-0248	EA	42" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	41.62
32 93 33 00-0249	EA	48" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	48.20
32 93 33 00-0250	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla .....	37.24
32 93 33 00-0251	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla .....	52.03
32 93 33 00-0252	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla .....	54.77
32 93 33 00-0253	EA	15" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla.....	56.96
32 93 33 00-0254	EA	18" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla.....	61.34
32 93 33 00-0255	EA	24" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla.....	74.49
32 93 33 00-0256	EA	24" Balled and Burlapped, Fothergilla major - Large Fothergilla.....	96.39





MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0257	EA	30" Balled and Burlapped, Fothergilla major - Large Fothergilla.....	109.54	
32 93 33 00-0258	EA	1 Gallon Gardenia jasminoides - Cape Jasmine.....	8.12	
32 93 33 00-0259	EA	3 Gallon Gardenia jasminoides - Cape Jasmine.....	21.30	
32 93 33 00-0260	EA	5 Gallon Gardenia jasminoides - Cape Jasmine.....	27.18	
32 93 33 00-0261	EA	1 Gallon Grevillea 'Noellii' - Noel's Grevillea.....	8.98	
32 93 33 00-0262	EA	5 Gallon Grevillea 'Noellii' - Noel's Grevillea.....	22.21	
32 93 33 00-0263	EA	15 Gallon Grevillea 'Noellii' - Noel's Grevillea.....	88.16	
32 93 33 00-0264	EA	36" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	76.68	
32 93 33 00-0265	EA	48" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	124.87	
32 93 33 00-0266	EA	60" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	157.74	
32 93 33 00-0267	EA	72" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	240.99	
32 93 33 00-0268	EA	84" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	273.85	
32 93 33 00-0269	EA	1 Gallon Hedychium gartdnerum - Variegated Ginger.....	4.66	
32 93 33 00-0270	EA	3 Gallon Hedychium gartdnerum - Variegated Ginger.....	16.38	
32 93 33 00-0271	EA	5 Gallon Hedychium gartdnerum - Variegated Ginger.....	31.49	
32 93 33 00-0272	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus.....	11.94	
32 93 33 00-0273	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus.....	20.16	
32 93 33 00-0274	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus.....	30.48	
32 93 33 00-0275	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon.....	31.54	
32 93 33 00-0276	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon.....	26.83	
32 93 33 00-0277	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon.....	36.24	
32 93 33 00-0278	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon.....	52.37	
32 93 33 00-0279	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon.....	72.37	
32 93 33 00-0280	EA	2 Gallon Hydrangea - Blue Hydrangea.....	22.24	
32 93 33 00-0281	EA	5 Gallon Hydrangea - Blue Hydrangea.....	31.30	
32 93 33 00-0282	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea.....	34.95	
32 93 33 00-0283	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea.....	39.89	
32 93 33 00-0284	EA	2 Gallon Hydrangea quercifolia - Oakleaf Hydrangea.....	22.24	
32 93 33 00-0285	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea.....	38.34	
32 93 33 00-0286	EA	30" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea.....	41.62	
32 93 33 00-0287	EA	36" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea.....	48.20	
32 93 33 00-0288	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	50.39	
32 93 33 00-0289	EA	18" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	39.43	
32 93 33 00-0290	EA	24" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	52.58	
32 93 33 00-0291	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea.....	23.00	
32 93 33 00-0292	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea.....	27.38	
32 93 33 00-0293	EA	18" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea.....	23.55	
32 93 33 00-0294	EA	24" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea.....	25.19	
32 93 33 00-0295	EA	30" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea.....	28.48	
32 93 33 00-0296	EA	36" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea.....	32.86	
32 93 33 00-0297	EA	48" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea.....	43.82	
32 93 33 00-0298	EA	18" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	31.77	
32 93 33 00-0299	EA	24" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	36.15	
32 93 33 00-0300	EA	30" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	42.72	
32 93 33 00-0301	EA	2 Gallon Hypericum kalmianum - St. John's Wort.....	22.24	
32 93 33 00-0302	EA	3 Gallon Hypericum kalmianum - Kalm St. John's Wort.....	26.29	
32 93 33 00-0303	EA	24" Balled and Burlapped, Hypericum kalmianum - Kalm St. John's Wort.....	28.48	
32 93 33 00-0304	EA	1 Gallon Ilex "Carissa" - Holly.....	11.30	
32 93 33 00-0305	EA	2 Gallon Ilex "Carissa" - Holly.....	22.24	
32 93 33 00-0306	EA	5 Gallon Ilex "Carissa" - Holly.....	31.30	
32 93 33 00-0307	EA	18" To 24" Ilex - Gulf tide Sweet Holly.....	30.01	
32 93 33 00-0308	EA	2' To 2-1/2' Ilex - Gulf tide Sweet Holly.....	38.01	
32 93 33 00-0309	EA	2-1/2' To 3' Ilex - Gulf tide Sweet Holly.....	49.31	
32 93 33 00-0310	EA	3' To 3-1/2' Ilex - Gulf tide Sweet Holly.....	59.90	
32 93 33 00-0311	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly.....	22.42	
32 93 33 00-0312	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	11.30	
32 93 33 00-0313	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	22.24	
32 93 33 00-0314	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	32.24	
32 93 33 00-0315	EA	1 Gallon Ilex crenata - Hellers Japanese Holly.....	11.30	
32 93 33 00-0316	EA	2 Gallon Ilex crenata - Hellers Japanese Holly.....	24.71	
32 93 33 00-0317	EA	3 Gallon Ilex crenata - Hellers Japanese Holly.....	32.24	
32 93 33 00-0318	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly.....	24.71	
32 93 33 00-0319	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly.....	29.77	
32 93 33 00-0320	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly.....	59.90	
32 93 33 00-0321	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly.....	79.90	
32 93 33 00-0322	EA	2' To 3' Ilex opaca - American Holly.....	79.90	
32 93 33 00-0323	EA	3' To 4' Ilex opaca - American Holly.....	132.27	
32 93 33 00-0324	EA	4' To 5' Ilex opaca - American Holly.....	169.69	
32 93 33 00-0325	EA	5' To 6' Ilex opaca - American Holly.....	204.64	
32 93 33 00-0326	EA	6' To 7' Ilex opaca - American Holly.....	287.01	
32 93 33 00-0327	EA	7' To 8' Ilex opaca - American Holly.....	399.39	
32 93 33 00-0328	EA	8' To 10' Ilex opaca - American Holly.....	574.02	
32 93 33 00-0329	EA	10' To 12' Ilex opaca - American Holly.....	873.62	
32 93 33 00-0330	EA	12' To 14' Ilex opaca - American Holly.....	1,060.73	
32 93 33 00-0331	EA	14' To 16' Ilex opaca - American Holly.....	1,310.31	
32 93 33 00-0332	EA	2' To 3' Ilex verticillata - Winterberry (Female).....	79.90	
32 93 33 00-0333	EA	3' To 4' Ilex verticillata - Winterberry (Female).....	104.85	
32 93 33 00-0334	EA	2' To 3' Ilex verticillata - Winterberry (Male).....	64.84	
32 93 33 00-0335	EA	3' To 4' Ilex verticillata - Winterberry (Male).....	89.90	
32 93 33 00-0336	EA	4' To 5' Ilex verticillata - Winterberry (Male).....	104.85	
32 93 33 00-0337	EA	1 Gallon Ilex vomitoria - Yaupon Holly.....	10.59	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 33 00-0338	EA	3 Gallon Ilex vomitoria - Yaupon Holly.....	21.30	
32 93 33 00-0339	EA	10 Gallon Ilex vomitoria - Yaupon Holly.....	74.84	
32 93 33 00-0340	EA	18" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly.....	33.96	
32 93 33 00-0341	EA	24" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly.....	38.34	
32 93 33 00-0342	EA	3 Gallon Ilex meserveae & cvs - Blue Holly.....	43.82	
32 93 33 00-0343	EA	18" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly.....	40.53	
32 93 33 00-0344	EA	24" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly.....	49.29	
32 93 33 00-0345	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry.....	36.15	
32 93 33 00-0346	EA	24" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	36.15	
32 93 33 00-0347	EA	30" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	38.34	
32 93 33 00-0348	EA	36" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	46.01	
32 93 33 00-0349	EA	42" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	51.48	
32 93 33 00-0350	EA	48" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	54.77	
32 93 33 00-0351	EA	60" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	70.11	
32 93 33 00-0352	EA	4' To 5' Ilex x attenuata "Foster" - Holly.....	129.80	
32 93 33 00-0353	EA	5' To 6' Ilex x attenuata "Foster" - Holly.....	172.16	
32 93 33 00-0354	EA	6' To 7' Ilex x attenuata "Foster" - Holly.....	154.04	
32 93 33 00-0355	EA	7' To 8' Ilex x attenuata "Foster" - Holly.....	299.48	
32 93 33 00-0356	EA	1 Gallon Jasimnum - Jasmine.....	2.90	
32 93 33 00-0357	EA	3 Gallon Jasimnum - Jasmine.....	11.34	
32 93 33 00-0358	EA	3 Gallon Jasimnum - Orange Jasmine.....	8.82	
32 93 33 00-0359	EA	4' - 5' Jasimnum - Orange Jasmine.....	100.78	
32 93 33 00-0360	EA	6' - 7' Jasimnum - Orange Jasmine.....	201.55	
32 93 33 00-0361	EA	8' - 10' Jasimnum - Orange Jasmine.....	272.10	
32 93 33 00-0362	EA	3 Gallon Juniperus chinensis cvs - Chinese Juniper.....	38.34	
32 93 33 00-0363	EA	5 Gallon Juniperus chinensis cvs - Chinese Juniper.....	42.72	
32 93 33 00-0364	EA	18" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	56.96	
32 93 33 00-0365	EA	24" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	74.49	
32 93 33 00-0366	EA	30" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	87.63	
32 93 33 00-0367	EA	36" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	118.30	
32 93 33 00-0368	EA	48" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	162.12	
32 93 33 00-0369	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper.....	18.27	
32 93 33 00-0370	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper.....	38.34	
32 93 33 00-0371	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper.....	42.72	
32 93 33 00-0372	EA	15" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper.....	46.01	
32 93 33 00-0373	EA	18" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper.....	50.39	
32 93 33 00-0374	EA	24" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper.....	61.34	
32 93 33 00-0375	EA	30" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper.....	74.49	
32 93 33 00-0376	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper.....	29.58	
32 93 33 00-0377	EA	18" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper.....	35.05	
32 93 33 00-0378	EA	24" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper.....	48.20	
32 93 33 00-0379	EA	30" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper.....	61.34	
32 93 33 00-0380	EA	36" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper.....	74.49	
32 93 33 00-0381	EA	3 Gallon Juniperus sabina cvs - Savin Juniper.....	27.38	
32 93 33 00-0382	EA	5 Gallon Juniperus sabina cvs - Savin Juniper.....	32.86	
32 93 33 00-0383	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper.....	28.48	
32 93 33 00-0384	EA	36" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper.....	54.77	
32 93 33 00-0385	EA	48" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper.....	85.44	
32 93 33 00-0386	EA	60" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper.....	107.35	
32 93 33 00-0387	EA	15' To 18" Kalmia latifolia - Mountain Laurel.....	44.95	
32 93 33 00-0388	EA	18" To 24" Kalmia latifolia - Mountain Laurel.....	59.90	
32 93 33 00-0389	EA	2' To 3' Kalmia latifolia - Mountain Laurel.....	87.31	
32 93 33 00-0390	EA	4' To 5' Kalmia latifolia - Mountain Laurel.....	159.68	
32 93 33 00-0391	EA	5' To 6' Kalmia latifolia - Mountain Laurel.....	244.65	
32 93 33 00-0392	EA	6' To 8' Kalmia latifolia - Mountain Laurel.....	374.44	
32 93 33 00-0393	EA	1 Gallon Kerria japonica - Kerria.....	10.00	
32 93 33 00-0394	EA	5 Gallon Kerria japonica - Kerria.....	31.30	
32 93 33 00-0395	EA	24" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	31.77	
32 93 33 00-0396	EA	30" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	36.15	
32 93 33 00-0397	EA	36" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	39.43	
32 93 33 00-0398	EA	42" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	46.01	
32 93 33 00-0399	EA	48" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	52.58	
32 93 33 00-0400	EA	60" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	65.72	
32 93 33 00-0401	EA	1 Gallon Lagerstroemia indica - Crape Myrtle.....	7.53	
32 93 33 00-0402	EA	5 Gallon Lagerstroemia indica - Crape Myrtle.....	26.83	
32 93 33 00-0403	EA	3' To 4' Lagerstroemia indica - Crape Myrtle.....	37.42	
32 93 33 00-0404	EA	4' To 5' Lagerstroemia indica - Crape Myrtle.....	54.96	
32 93 33 00-0405	EA	5' To 6' Lagerstroemia indica - Crape Myrtle.....	87.31	
32 93 33 00-0406	EA	7' To 8' Lagerstroemia indica - Crape Myrtle.....	113.37	
32 93 33 00-0407	EA	9' To 10' Lagerstroemia indica - Crape Myrtle.....	151.16	
32 93 33 00-0408	EA	11' To 12' Lagerstroemia indica - Crape Myrtle.....	314.92	
32 93 33 00-0409	EA	1 Gallon Leucothoe axillaris - Coast Leucothoe.....	11.30	
32 93 33 00-0410	EA	2 Gallon Leucothoe axillaris - Coast Leucothoe.....	24.71	
32 93 33 00-0411	EA	3 Gallon Leucothoe axillaris - Coast Leucothoe.....	29.77	
32 93 33 00-0412	EA	1 Gallon Ligustrum lucidum - Glossy Privet.....	6.94	
32 93 33 00-0413	EA	5 Gallon Ligustrum lucidum - Glossy Privet.....	21.30	
32 93 33 00-0414	EA	15 Gallon Ligustrum lucidum - Glossy Privet.....	99.79	
32 93 33 00-0415	EA	1 Gallon Ligustrum sinense - Variegated Chinese Privet.....	6.94	
32 93 33 00-0416	EA	2 Gallon Ligustrum sinense - Variegated Chinese Privet.....	14.95	
32 93 33 00-0417	EA	3 Gallon Ligustrum sinense - Variegated Chinese Privet.....	19.42	
32 93 33 00-0418	EA	36" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet.....	32.86	



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 93 33 00-0419	EA	48" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	48.20	
32 93 33 00-0420	EA	60" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	61.34	
32 93 33 00-0421	EA	72" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	70.11	
32 93 33 00-0422	EA	5 Gallon Lindera benzoin - Spicebush	36.15	
32 93 33 00-0423	EA	36" Balled and Burlapped, Lindera benzoin - Spicebush	30.67	
32 93 33 00-0424	EA	48" Balled and Burlapped, Lindera benzoin - Spicebush	37.24	
32 93 33 00-0425	EA	2' To 3' Lonicera fragrantissima - Winter Honeysuckle	59.90	
32 93 33 00-0426	EA	3' To 4' Lonicera fragrantissima - Winter Honeysuckle	72.37	
32 93 33 00-0427	EA	30" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	32.86	
32 93 33 00-0428	EA	36" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	39.43	
32 93 33 00-0429	EA	42" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	43.82	
32 93 33 00-0430	EA	48" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	48.20	
32 93 33 00-0431	EA	1 Gallon Myrica cerifera - Wax Myrtle	6.30	
32 93 33 00-0432	EA	4 Gallon Myrica cerifera - Wax Myrtle	20.16	
32 93 33 00-0433	EA	7 Gallon Myrica cerifera - Wax Myrtle	44.09	
32 93 33 00-0434	EA	10 Gallon Myrica cerifera - Wax Myrtle	65.50	
32 93 33 00-0435	EA	15 Gallon Myrica cerifera - Wax Myrtle	100.78	
32 93 33 00-0436	EA	45 Gallon Myrica cerifera - Wax Myrtle	302.33	
32 93 33 00-0437	EA	1' - 2' Myrica cerifera - Wax Myrtle	8.82	
32 93 33 00-0438	EA	3' - 4' Myrica cerifera - Wax Myrtle	30.23	
32 93 33 00-0439	EA	5' - 6' Myrica cerifera - Wax Myrtle	55.43	
32 93 33 00-0440	EA	7' - 8' Myrica cerifera - Wax Myrtle	75.58	
32 93 33 00-0441	EA	9' - 10' Myrica cerifera - Wax Myrtle	100.78	
32 93 33 00-0442	EA	11' - 12' Myrica cerifera - Wax Myrtle	153.68	
32 93 33 00-0443	EA	3 Gallon Myrica pensylvanica - Northern Bayberry	32.86	
32 93 33 00-0444	EA	24" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	53.67	
32 93 33 00-0445	EA	30" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	78.87	
32 93 33 00-0446	EA	36" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	94.20	
32 93 33 00-0447	EA	48" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	98.59	
32 93 33 00-0448	EA	1 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	8.98	
32 93 33 00-0449	EA	5 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	22.21	
32 93 33 00-0450	EA	15 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	88.16	
32 93 33 00-0451	EA	1 Gallon Nandina domestica - Heavenly Bamboo	11.30	
32 93 33 00-0452	EA	2 Gallon Nandina domestica - Heavenly Bamboo	24.71	
32 93 33 00-0453	EA	5 Gallon Nandina domestica - Heavenly Bamboo	37.42	
32 93 33 00-0454	EA	15 Gallon Nerium oleander - Oleander	96.47	
32 93 33 00-0455	EA	24" Box Nerium oleander - Oleander	346.67	
32 93 33 00-0456	EA	1 Gallon Osmanthus fragrans - Fragrant Tea Olive	6.94	
32 93 33 00-0457	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive	18.83	
32 93 33 00-0458	EA	1 Gallon Philadelphus - Evergreen Mockorange	9.65	
32 93 33 00-0459	EA	5 Gallon Philadelphus - Evergreen Mockorange	31.30	
32 93 33 00-0460	EA	36" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange	32.86	
32 93 33 00-0461	EA	42" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange	38.34	
32 93 33 00-0462	EA	48" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange	43.82	
32 93 33 00-0463	EA	1 Gallon Photinia fraseri - Red-Tipped Photinia	8.98	
32 93 33 00-0464	EA	5 Gallon Photinia fraseri - Red-Tipped Photinia	22.21	
32 93 33 00-0465	EA	15 Gallon Photinia fraseri - Red-Tipped Photinia	88.16	
32 93 33 00-0466	EA	1 Gallon Phormium tenax - New Zealand Flax	9.46	
32 93 33 00-0467	EA	5 Gallon Phormium tenax - New Zealand Flax	22.69	
32 93 33 00-0468	EA	15 Gallon Phormium tenax - New Zealand Flax	96.47	
32 93 33 00-0469	EA	24" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	32.86	
32 93 33 00-0470	EA	30" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	38.34	
32 93 33 00-0471	EA	36" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	43.82	
32 93 33 00-0472	EA	42" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	54.77	
32 93 33 00-0473	EA	48" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	65.72	
32 93 33 00-0474	EA	12" To 15" Spread Pieris - Mountain Andromeda	30.24	
32 93 33 00-0475	EA	15" To 18" Spread Pieris - Mountain Andromeda	64.84	
32 93 33 00-0476	EA	12" To 15" Pieris japonica - Japanese Andromeda	39.30	
32 93 33 00-0477	EA	15" To 18" Pieris japonica - Japanese Andromeda	44.95	
32 93 33 00-0478	EA	18" To 24" Pieris japonica - Japanese Andromeda	56.25	
32 93 33 00-0479	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda	79.90	
32 93 33 00-0480	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda	94.85	
32 93 33 00-0481	EA	24" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	33.72	
32 93 33 00-0482	EA	30" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	43.16	
32 93 33 00-0483	EA	36" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	51.93	
32 93 33 00-0484	EA	48" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	66.77	
32 93 33 00-0485	EA	60" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	80.26	
32 93 33 00-0486	EA	72" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	117.35	
32 93 33 00-0487	EA	30" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	72.84	
32 93 33 00-0488	EA	36" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	87.68	
32 93 33 00-0489	EA	48" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	116.68	
32 93 33 00-0490	EA	1 Gallon Pittosporum - Pittosporum	4.16	
32 93 33 00-0491	EA	3 Gallon Pittosporum - Pittosporum	10.71	
32 93 33 00-0492	EA	1 Gallon Pittosporum - Varigated Pittosporum	4.16	
32 93 33 00-0493	EA	3 Gallon Pittosporum - Varigated Pittosporum	10.71	
32 93 33 00-0494	EA	5 Gallon Pittosporum - Varigated Pittosporum	18.77	
32 93 33 00-0495	EA	1 Gallon Pittosporum eugenioides - Lemonwood	10.31	
32 93 33 00-0496	EA	5 Gallon Pittosporum eugenioides - Lemonwood	24.43	
32 93 33 00-0497	EA	1 Gallon Pittosporum tobira - Japanese Pittosporum	8.98	
32 93 33 00-0498	EA	5 Gallon Pittosporum tobira - Japanese Pittosporum	22.21	
32 93 33 00-0499	EA	15 Gallon Pittosporum tobira - Japanese Pittosporum	88.16	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 33 00-0500	EA	1 Gallon Podocarpus macrophyllus - Yew Podocarpus	5.04	
32 93 33 00-0501	EA	3 Gallon Podocarpus macrophyllus - Yew Podocarpus	15.12	
32 93 33 00-0502	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	18.62	
32 93 33 00-0503	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	26.29	
32 93 33 00-0504	EA	18" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	19.72	
32 93 33 00-0505	EA	24" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	21.91	
32 93 33 00-0506	EA	30" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	31.77	
32 93 33 00-0507	EA	36" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	36.70	
32 93 33 00-0508	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel	4.64	
32 93 33 00-0509	EA	5 Gallon Prunus caroliniana - Carolina Cherry Laurel	11.59	
32 93 33 00-0510	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel	69.12	
32 93 33 00-0511	EA	15" To 18" Prunus laurocerasus - Cherry Laurel	17.68	
32 93 33 00-0512	EA	18" To 24" Prunus laurocerasus - Cherry Laurel	21.88	
32 93 33 00-0513	EA	24" To 30" Prunus laurocerasus - Cherry Laurel	28.47	
32 93 33 00-0514	EA	15" To 18" Prunus triloba - Double White Flowering Almond	15.79	
32 93 33 00-0515	EA	18" To 24" Prunus triloba - Double White Flowering Almond	20.21	
32 93 33 00-0516	EA	3' To 4' Prunus triloba - Double White Flowering Almond	32.24	
32 93 33 00-0517	EA	4' To 6' Prunus triloba - Double White Flowering Almond	64.56	
32 93 33 00-0518	EA	5 Gallon Prunus triloba - Pink Flowering Almond	19.42	
32 93 33 00-0519	EA	18" To 24" Prunus triloba - Pink Flowering Almond	21.81	
32 93 33 00-0520	EA	2' To 3' Prunus triloba - Pink Flowering Almond	25.36	
32 93 33 00-0521	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry	17.24	
32 93 33 00-0522	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry	21.16	
32 93 33 00-0523	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry	25.36	
32 93 33 00-0524	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry	29.05	
32 93 33 00-0525	EA	1 Gallon Punica granatum - Dwarf Pomegranate	7.41	
32 93 33 00-0526	EA	3 Gallon Punica granatum - Dwarf Pomegranate	21.89	
32 93 33 00-0527	EA	7 Gallon Punica granatum - Dwarf Pomegranate	44.95	
32 93 33 00-0528	EA	1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	9.41	
32 93 33 00-0529	EA	5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	31.30	
32 93 33 00-0530	EA	5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha	64.84	
32 93 33 00-0531	EA	1 Gallon Ralphialepis indica - Indian Hawthorne	7.53	
32 93 33 00-0532	EA	2 Gallon Ralphialepis indica - Indian Hawthorne	14.36	
32 93 33 00-0533	EA	5 Gallon Ralphialepis indica - Indian Hawthorne	25.54	
32 93 33 00-0534	EA	1 Gallon Rhamnus californica - Coffeeberry	11.45	
32 93 33 00-0535	EA	5 Gallon Rhamnus californica - Coffeeberry	32.74	
32 93 33 00-0536	EA	15 Gallon Rhamnus californica - Coffeeberry	98.24	
32 93 33 00-0537	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge	57.43	
32 93 33 00-0538	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge	78.72	
32 93 33 00-0539	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge	102.38	
32 93 33 00-0540	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge	187.22	
32 93 33 00-0541	EA	1 Gallon Ralphialepis indica 'Ballerina' - Ballerina Indian Hawthorn	9.56	
32 93 33 00-0542	EA	5 Gallon Ralphialepis indica 'Ballerina' - Ballerina Indian Hawthorn	22.69	
32 93 33 00-0543	EA	15 Gallon Ralphialepis indica 'Ballerina' - Ballerina Indian Hawthorn	96.47	
32 93 33 00-0544	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids	12.24	
32 93 33 00-0545	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids	24.71	
32 93 33 00-0546	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids	32.24	
32 93 33 00-0547	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids	37.42	
32 93 33 00-0548	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids	43.78	
32 93 33 00-0549	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids	54.95	
32 93 33 00-0550	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids	79.90	
32 93 33 00-0551	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids	112.26	
32 93 33 00-0552	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	13.77	
32 93 33 00-0553	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	24.71	
32 93 33 00-0554	EA	15" To 18" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	42.48	
32 93 33 00-0555	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	54.95	
32 93 33 00-0556	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	79.90	
32 93 33 00-0557	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	117.32	
32 93 33 00-0558	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	157.21	
32 93 33 00-0559	EA	5 Gallon Rhododendron - Boxleaf Azara	31.30	
32 93 33 00-0560	EA	15 Gallon Rhododendron - Boxleaf Azara	112.26	
32 93 33 00-0561	EA	15" To 18" Rhododendron - Carolina Rhododendron	35.42	
32 93 33 00-0562	EA	18" To 24" Rhododendron - Carolina Rhododendron	62.37	
32 93 33 00-0563	EA	24" To 30" Rhododendron - Carolina Rhododendron	92.38	
32 93 33 00-0564	EA	2' To 3' Rhododendron - Five-leafed Azalea	42.01	
32 93 33 00-0565	EA	3' To 4' Rhododendron - Five-leafed Azalea	54.95	
32 93 33 00-0566	EA	4' To 5' Rhododendron - Five-leafed Azalea	72.37	
32 93 33 00-0567	EA	15" To 18" Rhododendron - Ghent Azalea	42.01	
32 93 33 00-0568	EA	18" To 24" Rhododendron - Ghent Azalea	52.37	
32 93 33 00-0569	EA	2' To 3' Rhododendron - Ghent Azalea	84.84	
32 93 33 00-0570	EA	3' To 4' Rhododendron - Ghent Azalea	117.32	
32 93 33 00-0571	EA	4' To 5' Rhododendron - Ghent Azalea	157.21	
32 93 33 00-0572	EA	5' To 6' Rhododendron - Ghent Azalea	209.70	
32 93 33 00-0573	EA	1 Gallon Rhododendron - Hybrid Rhododendron	13.77	
32 93 33 00-0574	EA	2 Gallon Rhododendron - Hybrid Rhododendron	29.77	
32 93 33 00-0575	EA	3 Gallon Rhododendron - Hybrid Rhododendron	42.25	
32 93 33 00-0576	EA	5 Gallon Rhododendron - Hybrid Rhododendron	47.19	
32 93 33 00-0577	EA	15" To 18" Rhododendron - Hybrid Rhododendron	39.89	
32 93 33 00-0578	EA	18" To 24" Rhododendron - Hybrid Rhododendron	54.95	
32 93 33 00-0579	EA	24" To 30" Rhododendron - Hybrid Rhododendron	74.84	
32 93 33 00-0580	EA	30" To 36" Rhododendron - Hybrid Rhododendron	87.32	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0581	EA		36" To 42" Rhododendron - Hybrid Rhododendron .....	124.85	
32 93 33 00-0582	EA		42" To 48" Rhododendron - Hybrid Rhododendron .....	154.74	
32 93 33 00-0583	EA		15" To 18" Rhododendron - Pjm Rhododendron .....	44.95	
32 93 33 00-0584	EA		18" To 24" Rhododendron - Pjm Rhododendron .....	54.95	
32 93 33 00-0585	EA		2' To 2-1/2' Rhododendron - Pjm Rhododendron .....	79.90	
32 93 33 00-0586	EA		2-1/2 To 3' Rhododendron - Pjm Rhododendron .....	102.38	
32 93 33 00-0587	EA		3' To 3-1/2' Rhododendron - Pjm Rhododendron .....	124.85	
32 93 33 00-0588	EA		12" To 15" Rhododendron - Torch Azalea .....	34.95	
32 93 33 00-0589	EA		15" To 18" Rhododendron - Torch Azalea .....	42.01	
32 93 33 00-0590	EA		18" To 24" Rhododendron - Torch Azalea .....	52.37	
32 93 33 00-0591	EA		2' To 3' Rhododendron - Torch Azalea .....	87.32	
32 93 33 00-0592	EA		3 Gallon Rhododendron cvs - Lepidote Rhododendron.....	39.43	
32 93 33 00-0593	EA		5 Gallon Rhododendron cvs - Lepidote Rhododendron.....	48.20	
32 93 33 00-0594	EA		18" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	59.15	
32 93 33 00-0595	EA		24" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	74.49	
32 93 33 00-0596	EA		30" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	87.63	
32 93 33 00-0597	EA		36" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	105.16	
32 93 33 00-0598	EA		1 Gallon Rhus glabra - Dwarf Smooth Sumac .....	11.30	
32 93 33 00-0599	EA		5 Gallon Rhus glabra - Dwarf Smooth Sumac .....	31.30	
32 93 33 00-0600	EA		2 Gallon Rhus aromatica & cvs - Fragrant Sumac.....	26.29	
32 93 33 00-0601	EA		5 Gallon Rhus aromatica & cvs - Fragrant Sumac.....	36.15	
32 93 33 00-0602	EA		18" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac .....	41.62	
32 93 33 00-0603	EA		24" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac.....	54.77	
32 93 33 00-0604	EA		36" Balled and Burlapped, Rhus glabra - Smooth Sumac .....	32.86	
32 93 33 00-0605	EA		48" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac.....	54.77	
32 93 33 00-0606	EA		72" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac .....	87.63	
32 93 33 00-0607	EA		15" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	29.58	
32 93 33 00-0608	EA		18" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	33.96	
32 93 33 00-0609	EA		24" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	49.29	
32 93 33 00-0610	EA		30" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	65.72	
32 93 33 00-0611	EA		1 Gallon Rosa hybrids & cvs - Shrub Rose.....	18.07	
32 93 33 00-0612	EA		2 Gallon Rosa hybrids & cvs - Shrub Rose.....	21.91	
32 93 33 00-0613	EA		3 Gallon Rosa hybrids & cvs - Shrub Rose.....	27.38	
32 93 33 00-0614	EA		2 Gallon Rosa rugosa & cvs - Rugosa Rose.....	19.72	
32 93 33 00-0615	EA		3 Gallon Rosa rugosa & cvs - Rugosa Rose.....	25.19	
32 93 33 00-0616	EA		5 Gallon Sambucus canadensis - American Elder.....	36.15	
32 93 33 00-0617	EA		1 Gallon Santolina chamaecyparissus - Lavender Cotton .....	8.98	
32 93 33 00-0618	EA		5 Gallon Santolina chamaecyparissus - Lavender Cotton .....	22.21	
32 93 33 00-0619	EA		1 Gallon Santolina rosmarinifolia - Green Lavender Cotton.....	8.98	
32 93 33 00-0620	EA		5 Gallon Santolina rosmarinifolia - Green Lavender Cotton.....	22.21	
32 93 33 00-0621	EA		2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca .....	16.24	
32 93 33 00-0622	EA		3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca .....	23.77	
32 93 33 00-0623	EA		1 Gallon Sarcococca humilis - Fragrant Sarcococca .....	8.83	
32 93 33 00-0624	EA		5 Gallon Sarcococca humilis - Fragrant Sarcococca .....	23.07	
32 93 33 00-0625	EA		5 Gallon Senna artemisioides - Feathery Cassia .....	24.81	
32 93 33 00-0626	EA		15 Gallon Senna artemisioides - Feathery Cassia.....	98.71	
32 93 33 00-0627	EA		24" Box Senna artemisioides - Feathery Cassia .....	310.08	
32 93 33 00-0628	EA		1 Gallon Skimmia japonica - Japanese Skimmia .....	11.30	
32 93 33 00-0629	EA		2 Gallon Skimmia japonica - Japanese Skimmia .....	22.48	
32 93 33 00-0630	EA		5 Gallon Skimmia japonica - Japanese Skimmia .....	36.24	
32 93 33 00-0631	EA		1 Gallon Sollya fusiformis - Bluebell Creeper.....	8.98	
32 93 33 00-0632	EA		5 Gallon Sollya fusiformis - Bluebell Creeper.....	22.21	
32 93 33 00-0633	EA		3' To 4' Spiraea - Garland Spiraea.....	52.37	
32 93 33 00-0634	EA		4' To 5' Spiraea - Garland Spiraea.....	79.90	
32 93 33 00-0635	EA		5 Gallon Spiraea - Snowmound Spiraea.....	31.30	
32 93 33 00-0636	EA		18" To 24" Spiraea - Snowmound Spiraea .....	25.65	
32 93 33 00-0637	EA		2' To 3' Spiraea - Snowmound Spiraea .....	36.24	
32 93 33 00-0638	EA		3' To 4' Spiraea - Snowmound Spiraea .....	42.01	
32 93 33 00-0639	EA		4' To 5' Spiraea - Snowmound Spiraea .....	72.37	
32 93 33 00-0640	EA		1 Gallon Spiraea japonica & cvs - Japanese Spiraea .....	11.30	
32 93 33 00-0641	EA		2 Gallon Spiraea japonica & cvs - Japanese Spiraea .....	22.24	
32 93 33 00-0642	EA		3 Gallon Spiraea japonica & cvs - Japanese Spiraea .....	25.74	
32 93 33 00-0643	EA		5 Gallon Spiraea japonica & cvs - Japanese Spiraea .....	27.93	
32 93 33 00-0644	EA		18" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spiraea .....	28.48	
32 93 33 00-0645	EA		24" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spiraea .....	32.86	
32 93 33 00-0646	EA		30" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spiraea .....	37.24	
32 93 33 00-0647	EA		36" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spiraea .....	43.27	
32 93 33 00-0648	EA		2 Gallon Spiraea nipponica & cvs - Nippon Spiraea .....	17.53	
32 93 33 00-0649	EA		5 Gallon Spiraea nipponica & cvs - Nippon Spiraea .....	26.29	
32 93 33 00-0650	EA		18" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea .....	24.10	
32 93 33 00-0651	EA		24" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea .....	28.48	
32 93 33 00-0652	EA		30" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea .....	32.86	
32 93 33 00-0653	EA		36" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea .....	37.24	
32 93 33 00-0654	EA		48" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea .....	48.20	
32 93 33 00-0655	EA		1 Gallon Spiraea x bumalda & cvs - Bumalda Spiraea .....	11.30	
32 93 33 00-0656	EA		2 Gallon Spiraea x bumalda & cvs - Bumalda Spiraea .....	20.26	
32 93 33 00-0657	EA		4 Gallon Spiraea x bumalda & cvs - Bumalda Spiraea .....	26.29	
32 93 33 00-0658	EA		18" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spiraea .....	23.00	
32 93 33 00-0659	EA		24" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spiraea .....	27.93	
32 93 33 00-0660	EA		30" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spiraea .....	32.86	
32 93 33 00-0661	EA		36" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spiraea .....	37.24	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 33 00-0662	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea .....	26.29	
32 93 33 00-0663	EA	18" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea .....	26.29	
32 93 33 00-0664	EA	24" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea .....	30.67	
32 93 33 00-0665	EA	30" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea .....	41.62	
32 93 33 00-0666	EA	36" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea .....	48.20	
32 93 33 00-0667	EA	42" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea .....	56.96	
32 93 33 00-0668	EA	5 Gallon Staphylea trifolia - Bladdernut.....	36.98	
32 93 33 00-0669	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra .....	26.29	
32 93 33 00-0670	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra .....	28.48	
32 93 33 00-0671	EA	24" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra .....	32.86	
32 93 33 00-0672	EA	30" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra .....	39.43	
32 93 33 00-0673	EA	2 Gallon Symphoricarpos albus - Common Snowberry .....	27.38	
32 93 33 00-0674	EA	5 Gallon Symphoricarpos albus - Common Snowberry .....	29.03	
32 93 33 00-0675	EA	24" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac .....	48.20	
32 93 33 00-0676	EA	30" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac .....	60.25	
32 93 33 00-0677	EA	36" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac .....	70.11	
32 93 33 00-0678	EA	42" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac .....	81.06	
32 93 33 00-0679	EA	18" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	48.20	
32 93 33 00-0680	EA	24" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	52.58	
32 93 33 00-0681	EA	30" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	60.25	
32 93 33 00-0682	EA	36" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	70.11	
32 93 33 00-0683	EA	42" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	81.06	
32 93 33 00-0684	EA	60" Balled and Burlapped, Syringa villosa & cvs - Late Lilac .....	38.34	
32 93 33 00-0685	EA	72" Balled and Burlapped, Syringa villosa & cvs - Late Lilac .....	41.62	
32 93 33 00-0686	EA	36" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	32.86	
32 93 33 00-0687	EA	42" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	37.24	
32 93 33 00-0688	EA	48" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	41.62	
32 93 33 00-0689	EA	60" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	48.20	
32 93 33 00-0690	EA	72" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	59.15	
32 93 33 00-0691	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac .....	27.38	
32 93 33 00-0692	EA	36" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac.....	31.77	
32 93 33 00-0693	EA	48" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac.....	41.62	
32 93 33 00-0694	EA	48" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew .....	174.17	
32 93 33 00-0695	EA	54" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew .....	194.98	
32 93 33 00-0696	EA	60" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew .....	214.70	
32 93 33 00-0697	EA	72" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew .....	258.51	
32 93 33 00-0698	EA	18" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew .....	46.01	
32 93 33 00-0699	EA	24" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew .....	60.25	
32 93 33 00-0700	EA	30" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew .....	70.11	
32 93 33 00-0701	EA	36" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew .....	76.68	
32 93 33 00-0702	EA	15" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew .....	46.01	
32 93 33 00-0703	EA	18" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew .....	60.25	
32 93 33 00-0704	EA	24" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew .....	71.20	
32 93 33 00-0705	EA	30" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew .....	84.35	
32 93 33 00-0706	EA	36" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew .....	127.07	
32 93 33 00-0707	EA	36" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae .....	70.11	
32 93 33 00-0708	EA	48" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae .....	94.20	
32 93 33 00-0709	EA	60" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae .....	142.40	
32 93 33 00-0710	EA	72" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae .....	208.12	
32 93 33 00-0711	EA	84" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae .....	238.80	
32 93 33 00-0712	EA	96" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae .....	277.13	
32 93 33 00-0713	EA	15" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae.....	30.67	
32 93 33 00-0714	EA	18" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae.....	42.72	
32 93 33 00-0715	EA	24" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae.....	60.25	
32 93 33 00-0716	EA	3' To 4' Viburnum dilatatum - Linden Viburnum .....	52.37	
32 93 33 00-0717	EA	4' To 5' Viburnum dilatatum - Linden Viburnum .....	79.90	
32 93 33 00-0718	EA	5' To 6' Viburnum dilatatum - Linden Viburnum .....	104.85	
32 93 33 00-0719	EA	1 Gallon Viburnum japonicum - Japanese Viburnum.....	6.35	
32 93 33 00-0720	EA	3 Gallon Viburnum japonicum - Japanese Viburnum.....	17.42	
32 93 33 00-0721	EA	5 Gallon Viburnum plicatum - Japanese Snowball.....	31.30	
32 93 33 00-0722	EA	5' To 6' Viburnum plicatum - Japanese Snowball.....	117.32	
32 93 33 00-0723	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum.....	54.96	
32 93 33 00-0724	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum.....	64.84	
32 93 33 00-0725	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum.....	91.20	
32 93 33 00-0726	EA	30" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum.....	60.25	
32 93 33 00-0727	EA	36" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum.....	72.30	
32 93 33 00-0728	EA	24" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum .....	54.77	
32 93 33 00-0729	EA	30" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum .....	65.72	
32 93 33 00-0730	EA	36" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum .....	76.68	
32 93 33 00-0731	EA	42" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum .....	87.63	
32 93 33 00-0732	EA	1 Gallon Viburnum davidii - David Viburnum .....	8.98	
32 93 33 00-0733	EA	5 Gallon Viburnum davidii - David Viburnum .....	22.21	
32 93 33 00-0734	EA	36" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum.....	30.67	
32 93 33 00-0735	EA	42" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum.....	32.86	
32 93 33 00-0736	EA	48" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum.....	38.34	
32 93 33 00-0737	EA	60" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum.....	43.82	
32 93 33 00-0738	EA	72" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum.....	48.20	
32 93 33 00-0739	EA	30" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum .....	29.58	
32 93 33 00-0740	EA	36" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum .....	32.86	
32 93 33 00-0741	EA	42" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum .....	41.62	
32 93 33 00-0742	EA	48" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum .....	48.20	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0743	EA		60" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum.....	65.72	
32 93 33 00-0744	EA		72" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum.....	78.87	
32 93 33 00-0745	EA		36" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	32.86	
32 93 33 00-0746	EA		48" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	43.82	
32 93 33 00-0747	EA		5" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	54.77	
32 93 33 00-0748	EA		6" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	76.68	
32 93 33 00-0749	EA		7" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	109.54	
32 93 33 00-0750	EA		8" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	153.35	
32 93 33 00-0751	EA		9" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	197.17	
32 93 33 00-0752	EA		30" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum.....	39.43	
32 93 33 00-0753	EA		36" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum.....	43.82	
32 93 33 00-0754	EA		36" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	78.87	
32 93 33 00-0755	EA		48" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	120.49	
32 93 33 00-0756	EA		60" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	153.35	
32 93 33 00-0757	EA		72" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	186.22	
32 93 33 00-0758	EA		84" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	230.03	
32 93 33 00-0759	EA		96" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	273.85	
32 93 33 00-0760	EA		108" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	328.62	
32 93 33 00-0761	EA		120" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	383.39	
32 93 33 00-0762	EA		30" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum.....	33.41	
32 93 33 00-0763	EA		36" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum.....	36.70	
32 93 33 00-0764	EA		48" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum.....	41.62	
32 93 33 00-0765	EA		60" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum.....	48.20	
32 93 33 00-0766	EA		72" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum.....	55.32	
32 93 33 00-0767	EA		18" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum.....	31.77	
32 93 33 00-0768	EA		24" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum.....	38.34	
32 93 33 00-0769	EA		30" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum.....	46.01	
32 93 33 00-0770	EA		36" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum.....	52.58	
32 93 33 00-0771	EA		42" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum.....	63.53	
32 93 33 00-0772	EA		48" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum.....	70.11	
32 93 33 00-0773	EA		30" Balled and Burlapped, Viburnum x carcephalum & cvs - Fragrant Viburnum.....	54.77	
32 93 33 00-0774	EA		36" Balled and Burlapped, Viburnum x carcephalum & cvs - Fragrant Viburnum.....	65.72	
32 93 33 00-0775	EA		42" Balled and Burlapped, Viburnum x carcephalum & cvs - Fragrant Viburnum.....	76.68	
32 93 33 00-0776	EA		48" Balled and Burlapped, Viburnum x carcephalum & cvs - Fragrant Viburnum.....	87.63	
32 93 33 00-0777	EA		60" Balled and Burlapped, Viburnum x carcephalum & cvs - Fragrant Viburnum.....	98.59	
32 93 33 00-0778	EA		30" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum.....	70.11	
32 93 33 00-0779	EA		36" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum.....	78.87	
32 93 33 00-0780	EA		42" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum.....	89.82	
32 93 33 00-0781	EA		48" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum.....	102.97	
32 93 33 00-0782	EA		2' To 3' Viburnum opulus "Roseum" - Fragrant Snowball.....	64.84	
32 93 33 00-0783	EA		3' To 4' Viburnum opulus "Roseum" - Fragrant Snowball.....	79.90	
32 93 33 00-0784	EA		4' To 5' Viburnum opulus "Roseum" - Fragrant Snowball.....	117.32	
32 93 33 00-0785	EA		5 Gallon Weigela florida & cvs - Old Fashioned Weigela.....	36.15	
32 93 33 00-0786	EA		24" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....	32.86	
32 93 33 00-0787	EA		30" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....	37.24	
32 93 33 00-0788	EA		36" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....	41.62	
32 93 33 00-0789	EA		42" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....	48.20	
32 93 33 00-0790	EA		48" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....	54.77	
32 93 33 00-0791	EA		1 Gallon Xylosma congestum - Shiny Xylosma.....	7.53	
32 93 33 00-0792	EA		5 Gallon Xylosma congestum - Shiny Xylosma.....	21.30	
32 93 33 00-0793	EA		15 Gallon Xylosma congestum - Shiny Xylosma.....	93.67	
32 93 33 00-0794	EA		1 Gallon Yucca aloifolia - Spanish Bayonet.....	6.35	
32 93 33 00-0795	EA		3 Gallon Yucca aloifolia - Spanish Bayonet.....	16.83	
32 93 33 00-0796	EA		1 Gallon Yucca filamentosa - Adams Needle.....	8.83	
32 93 33 00-0797	EA		3 Gallon Yucca filamentosa - Adams Needle.....	17.18	
32 93 33 00-0798	EA		5 Gallon Yucca filamentosa - Adams Needle.....	27.18	
32 93 33 00-0799	EA		5 Gallon Border Forsythia - Goldenbells.....	30.24	
32 93 33 00-0800	EA		2' To 3' Border Forsythia - Goldenbells.....	24.95	
32 93 33 00-0801	EA		3' To 4' Border Forsythia - Goldenbells.....	31.54	
32 93 33 00-0802	EA		4' To 5' Border Forsythia - Goldenbells.....	39.30	
32 93 33 00-0803	EA		5' To 6' Border Forsythia - Goldenbells.....	47.19	
32 93 33 00-0804	EA		6' To 8' Border Forsythia - Goldenbells.....	64.84	
32 93 33 00-0805	EA		3' Juniperus chinensis - Columnar Chinese Juniper.....	64.24	
32 93 33 00-0806	EA		4' Juniperus chinensis - Columnar Chinese Juniper.....	88.18	
32 93 33 00-0807	EA		5' Juniperus chinensis - Columnar Chinese Juniper.....	138.57	
32 93 33 00-0808	EA		6' Juniperus chinensis - Columnar Chinese Juniper.....	161.24	
32 93 33 00-0809	EA		7' Juniperus chinensis - Columnar Chinese Juniper.....	211.63	
32 93 33 00-0810	EA		2 Gallon Chrysobalanus icaco - Cocoplum Red Tip.....	12.60	
32 93 33 00-0811	EA		3 Gallon Chrysobalanus icaco - Cocoplum Red Tip.....	17.64	
32 93 33 00-0812	EA		5 Gallon Chrysobalanus icaco - Cocoplum Red Tip.....	42.70	
32 93 33 00-0813	EA		2 Gallon Chrysobalanus icaco - Cocoplum Green Tip.....	12.60	
32 93 33 00-0814	EA		3 Gallon Chrysobalanus icaco - Cocoplum Green Tip.....	17.64	
32 93 33 00-0815	EA		Beile Poitvine Roses.....	50.39	
32 93 33 00-0816	EA		3 Gallon Bird Of Paradise.....	22.67	
32 93 33 00-0817	EA		5 Gallon Bird Of Paradise.....	35.27	
32 93 33 00-0818	EA		7 Gallon Bird Of Paradise.....	47.87	
32 93 33 00-0819	EA		10 Gallon Bird Of Paradise.....	95.74	
32 93 33 00-0820	EA		18" Bonica Roses.....	57.95	
32 93 33 00-0821	EA		1 Gallon Burmese Grape.....	10.08	
32 93 33 00-0822	EA		5 Gallon Burmese Grape.....	27.71	
32 93 33 00-0823	EA		15 Gallon Burmese Grape.....	103.30	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 33 00-0824	EA	6" To 9" Canby Paxistima .....	20.16	
32 93 33 00-0825	EA	9" To 12" Canby Paxistima .....	25.19	
32 93 33 00-0826	EA	12" To 15" Canby Paxistima .....	32.75	
32 93 33 00-0827	EA	5 Gallon Chastetree .....	35.27	
32 93 33 00-0828	EA	3' Chinese Lilac .....	50.39	
32 93 33 00-0829	EA	4' Chinese Lilac .....	62.98	
32 93 33 00-0830	EA	5' Chinese Lilac .....	85.66	
32 93 33 00-0831	EA	1 Gallon Christmas Berry .....	12.60	
32 93 33 00-0832	EA	2 Gallon Christmas Berry .....	27.71	
32 93 33 00-0833	EA	5 Gallon Christmas Berry .....	40.31	
32 93 33 00-0834	EA	15 Gallon Christmas Berry .....	186.44	
32 93 33 00-0835	EA	1 Gallon Concha Wild Lilac .....	10.08	
32 93 33 00-0836	EA	5 Gallon Concha Wild Lilac .....	25.19	
32 93 33 00-0837	EA	1 Gallon Flower Carpet Roses .....	25.19	
32 93 33 00-0838	EA	3 Gallon Flower Carpet Roses .....	47.87	
32 93 33 00-0839	EA	Goldfinger Potentillas .....	40.31	
32 93 33 00-0840	EA	Green Mound Alpine Currents .....	50.39	
32 93 33 00-0841	EA	24" Gro-Low Sumacs .....	50.39	
32 93 33 00-0842	EA	3 Gallon Heliconia .....	22.67	
32 93 33 00-0843	EA	1' Ibolium Private .....	2.52	
32 93 33 00-0844	EA	2' Ibolium Private .....	10.08	
32 93 33 00-0845	EA	3' Ibolium Private .....	17.64	
32 93 33 00-0846	EA	5 Gallon Japanese Privit .....	27.71	
32 93 33 00-0847	EA	24" Spirea - Little Princess .....	52.91	
32 93 33 00-0848	EA	2' Longstalk Holly .....	50.39	
32 93 33 00-0849	EA	2-1/2' Longstalk Holly .....	68.02	
32 93 33 00-0850	EA	3' Longstalk Holly .....	85.66	
32 93 33 00-0851	EA	3-1/2' Longstalk Holly .....	95.74	
32 93 33 00-0852	EA	3 Gallon Low Dense Pyracantha .....	25.19	
32 93 33 00-0853	EA	Pacific Wax Myrtle 1 Gal .....	7.56	
32 93 33 00-0854	EA	5 Gallon Pacific Wax Myrtle .....	25.19	
32 93 33 00-0855	EA	1 Gallon Red Escallonia .....	7.56	
32 93 33 00-0856	EA	5 Gallon Red Escallonia .....	25.19	
32 93 33 00-0857	EA	15 Gallon Red Escallonia .....	103.30	
32 93 33 00-0858	EA	24" Smooth Hydrangeas .....	60.47	
32 93 33 00-0859	EA	15" To 18" Somerset Burkwood Daphne .....	40.31	
32 93 33 00-0860	EA	18" To 24" Somerset Burkwood Daphne .....	52.91	
32 93 33 00-0861	EA	1 Gallon Spring Bouquet Laurustinis .....	7.56	
32 93 33 00-0862	EA	5 Gallon Spring Bouquet Laurustinis .....	27.71	
32 93 33 00-0863	EA	15" To 18" Summersweet .....	30.23	
32 93 33 00-0864	EA	18" To 24" Summersweet .....	35.27	
32 93 33 00-0865	EA	2' Sweet Shrubs .....	40.31	
32 93 33 00-0866	EA	3' Sweet Shrubs .....	52.91	
32 93 33 00-0867	EA	1 Gallon Variegated Silverberry .....	7.56	
32 93 33 00-0868	EA	3 Gallon Variegated Silverberry .....	17.64	
32 93 33 00-0869	EA	15 Gallon Variegated Silverberry .....	103.30	
32 93 33 00-0870	EA	1 Gallon Variegated Winter Daphne .....	12.60	
32 93 33 00-0871	EA	5 Gallon Variegated Winter Daphne .....	40.31	
32 93 33 00-0872	EA	15 Gallon Variegated Winter Daphne .....	186.44	
32 93 33 00-0873	EA	2' To 3' Virginia Sweetspire .....	88.18	
32 93 33 00-0874	EA	1 Gallon Warminster Broom .....	12.60	
32 93 33 00-0875	EA	2 Gallon Warminster Broom .....	25.19	
32 93 33 00-0876	EA	5 Gallon Warminster Broom .....	35.27	

**32 93 43 Trees (32 93)**

Note: (cvs = cultivar) materials only. See CSI section 32 93 83 00-0001 for installation and planting of trees.

**32 93 43 00-0001 Deciduous Ornamental Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple .....	410.25	
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple .....	501.42	
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple .....	569.79	
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple .....	660.96	
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple .....	752.13	
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple .....	888.88	
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple .....	228.37	
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple .....	1,458.67	
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple .....	1,823.34	
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple .....	364.67	
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus californica - California Buckeye .....	911.67	
32 93 43 00-0013	EA	2" Caliper Aesculus californica - California Buckeye .....	1,185.17	
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus californica - California Buckeye .....	1,367.50	
32 93 43 00-0015	EA	3" Caliper Aesculus californica - California Buckeye .....	1,549.84	
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus californica - California Buckeye .....	1,823.34	
32 93 43 00-0017	EA	36" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry .....	87.63	
32 93 43 00-0018	EA	48" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry .....	109.54	
32 93 43 00-0019	EA	60" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry .....	135.83	
32 93 43 00-0020	EA	60" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry .....	109.54	
32 93 43 00-0021	EA	72" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry .....	131.45	
32 93 43 00-0022	EA	7' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry .....	153.35	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0023	EA	8'	Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry.....	175.26	
32 93 43 00-0024	EA	5'	Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry.....	197.17	
32 93 43 00-0025	EA	6'	Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry.....	219.08	
32 93 43 00-0026	EA	7'	Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry.....	251.94	
32 93 43 00-0027	EA	8'	Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry.....	284.80	
32 93 43 00-0028	EA	9'	Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry.....	328.62	
32 93 43 00-0029	EA	7'	Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry.....	251.94	
32 93 43 00-0030	EA	8'	Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry.....	295.76	
32 93 43 00-0031	EA	9'	Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry.....	339.57	
32 93 43 00-0032	EA	10'	Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry.....	372.43	
32 93 43 00-0033	EA	30"	Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry.....	87.63	
32 93 43 00-0034	EA	48"	Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry.....	186.22	
32 93 43 00-0035	EA	60"	Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry.....	240.99	
32 93 43 00-0036	EA	2' To 4'	Amelemchier - Juneberry.....	26.67	
32 93 43 00-0037	EA	4' To 5'	Amelemchier - Juneberry.....	27.98	
32 93 43 00-0038	EA	5' To 6'	Amelemchier - Juneberry.....	33.32	
32 93 43 00-0039	EA	6' To 8'	Amelemchier - Juneberry.....	39.75	
32 93 43 00-0040	EA	6'	Cercis occidentalis - Western Redbud.....	255.29	
32 93 43 00-0041	EA	8'	Cercis occidentalis - Western Redbud.....	351.22	
32 93 43 00-0042	EA	2-1/2"	Caliper Cercis occidentalis - Western Redbud.....	723.41	
32 93 43 00-0043	EA	3"	Caliper Cercis occidentalis - Western Redbud.....	880.67	
32 93 43 00-0044	EA	2' To 3'	Magnolia Virginiana - Sweetbay Magnolia.....	86.39	
32 93 43 00-0045	EA	3' To 4'	Magnolia Virginiana - Sweetbay Magnolia.....	129.58	
32 93 43 00-0046	EA	4' To 5'	Magnolia Virginiana - Sweetbay Magnolia.....	161.98	
32 93 43 00-0047	EA	5' To 6'	Magnolia Virginiana - Sweetbay Magnolia.....	201.74	
32 93 43 00-0048	EA	4'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	341.88	
32 93 43 00-0049	EA	5'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	455.83	
32 93 43 00-0050	EA	6'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	592.59	
32 93 43 00-0051	EA	7'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	660.96	
32 93 43 00-0052	EA	8'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	797.71	
32 93 43 00-0053	EA	9'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	888.88	
32 93 43 00-0054	EA	4'	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	341.88	
32 93 43 00-0055	EA	5'	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	455.83	
32 93 43 00-0056	EA	6'	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	592.59	
32 93 43 00-0057	EA	7'	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	660.96	
32 93 43 00-0058	EA	8'	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	797.71	
32 93 43 00-0059	EA	9'	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	888.88	
32 93 43 00-0060	EA	1 Gallon	Platanus racemosa, Multi Trunk - Western Sycamore.....	5.46	
32 93 43 00-0061	EA	5 Gallon	Platanus racemosa, Multi Trunk - Western Sycamore.....	23.10	
32 93 43 00-0062	EA	20 Gallon	Prunus subhirtella - Flowering Cherry.....	360.51	
32 93 43 00-0063	EA	1-1/2" To 2"	Caliper Prunus subhirtella - Flowering Cherry.....	372.66	
32 93 43 00-0064	EA	2"	To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry.....	465.78	
32 93 43 00-0065	EA	3-1/2" To 4"	Caliper Prunus subhirtella - Flowering Cherry.....	972.04	
32 93 43 00-0066	EA	3"	To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry.....	749.17	
32 93 43 00-0067	EA	4"	To 5" Caliper Prunus subhirtella - Flowering Cherry.....	1,458.06	
32 93 43 00-0068	EA	5 Gallon	Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	93.12	
32 93 43 00-0069	EA	15 Gallon	Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	255.06	
32 93 43 00-0070	EA	20 Gallon	Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	332.18	
32 93 43 00-0071	EA	5' To 6'	Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	105.26	
32 93 43 00-0072	EA	6' To 8'	Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	202.43	
32 93 43 00-0073	EA	1-1/2" To 2"	Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	372.66	
32 93 43 00-0074	EA	2"	To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	445.53	
32 93 43 00-0075	EA	1-1/2" To 1-3/4"	Caliper Prunus subhirtella - Weeping Cherry.....	291.69	
32 93 43 00-0076	EA	1-1/4" To 1-1/2"	Caliper Prunus subhirtella - Weeping Cherry.....	242.91	
32 93 43 00-0077	EA	1-3/4" To 2"	Caliper Prunus subhirtella - Weeping Cherry.....	356.27	
32 93 43 00-0078	EA	2"	To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry.....	425.29	
32 93 43 00-0079	EA	2-1/2" To 3"	Caliper Prunus subhirtella - Weeping Cherry.....	546.75	
32 93 43 00-0080	EA	15 Gallon	Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	281.47	
32 93 43 00-0081	EA	20 Gallon	Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	351.84	
32 93 43 00-0082	EA	1-1/2" To 2"	Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	365.91	
32 93 43 00-0083	EA	2"	To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	436.28	
32 93 43 00-0084	EA	2-1/2" To 3"	Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	591.09	
32 93 43 00-0085	EA	3" To 3-1/2"	Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	774.05	
32 93 43 00-0086	EA	3-1/2" To 4"	Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	985.15	
32 93 43 00-0087	EA	15 Gallon	Pyrus Calleryana x "Bradford" - Flowering Pear.....	281.47	
32 93 43 00-0088	EA	20 Gallon	Pyrus Calleryana x "Bradford" - Flowering Pear.....	351.84	
32 93 43 00-0089	EA	1-1/2" To 2"	Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	239.25	
32 93 43 00-0090	EA	2" To 2-1/2"	Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	365.91	
32 93 43 00-0091	EA	2-1/2" To 3"	Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	435.90	
32 93 43 00-0092	EA	3" To 3-1/2"	Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	591.09	
32 93 43 00-0093	EA	3-1/2" To 4"	Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	774.05	
32 93 43 00-0094	EA	1-1/2" Caliper	Pyrus calleryana & cvs - Callery Pear.....	512.71	
32 93 43 00-0095	EA	2" Caliper	Pyrus calleryana & cvs - Callery Pear.....	640.89	
32 93 43 00-0096	EA	2-1/2" Caliper	Pyrus calleryana & cvs - Callery Pear.....	794.71	
32 93 43 00-0097	EA	3" Caliper	Pyrus calleryana & cvs - Callery Pear.....	897.25	
32 93 43 00-0098	EA	3-1/2" Caliper	Pyrus calleryana & cvs - Callery Pear.....	999.79	
32 93 43 00-0099	EA	4" Caliper	Pyrus calleryana & cvs - Callery Pear.....	1,281.78	
32 93 43 00-0100	EA	1 Gallon	Ribes aureum - Golden Currant.....	4.77	
32 93 43 00-0101	EA	5 Gallon	Ribes aureum - Golden Currant.....	13.65	
32 93 43 00-0102	EA	1 Gallon	Ribes sanguineum - Red Flowering Currant.....	4.77	
32 93 43 00-0103	EA	5 Gallon	Ribes sanguineum - Red Flowering Currant.....	13.65	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 43 00-0104	EA	1 Gallon Ribes viburnifolium - Evergreen Currant.....	4.77	
32 93 43 00-0105	EA	5 Gallon Ribes viburnifolium - Evergreen Currant.....	13.65	
32 93 43 00-0106	EA	8' Cassia leptophlia - Gold Medallion Tree.....	376.43	
32 93 43 00-0107	EA	10' Cassia leptophlia - Gold Medallion Tree.....	477.77	
32 93 43 00-0108	EA	12' Cassia leptophlia - Gold Medallion Tree.....	579.12	
32 93 43 00-0109	EA	6' Magnolia grandiflora 'St. Mary's'.....	434.34	
32 93 43 00-0110	EA	8' Magnolia grandiflora 'St. Mary's'.....	767.33	
32 93 43 00-0111	EA	10' Magnolia grandiflora 'St. Mary's'.....	964.23	
32 93 43 00-0112	EA	12' Magnolia grandiflora 'St. Mary's'.....	1,158.24	
32 93 43 00-0113	EA	14' Magnolia grandiflora 'St. Mary's'.....	1,346.45	
32 93 43 00-0114	EA	16' Magnolia grandiflora 'St. Mary's'.....	1,592.58	
32 93 43 00-0115	EA	24" Box Magnolia grandiflora 'St. Mary's'.....	477.77	
32 93 43 00-0116	EA	6' Prunus cerasifera - Purple Leaf Plum.....	225.86	
32 93 43 00-0117	EA	8' Prunus cerasifera - Purple Leaf Plum.....	260.60	
32 93 43 00-0118	EA	10' Prunus cerasifera - Purple Leaf Plum.....	335.89	
32 93 43 00-0119	EA	24" Box Prunus cerasifera - Purple Leaf Plum.....	357.61	
32 93 43 00-0120	EA	30" Box Prunus cerasifera - Purple Leaf Plum.....	723.90	
32 93 43 00-0121	EA	36" Box Prunus cerasifera - Purple Leaf Plum.....	1,110.46	
32 93 43 00-0122	EA	6' Pittosporum phylliraeoides - Willow Pittorporum.....	471.98	
32 93 43 00-0123	EA	8' Pittosporum phylliraeoides - Willow Pittorporum.....	674.67	
32 93 43 00-0124	EA	10' Pittosporum phylliraeoides - Willow Pittorporum.....	807.87	
32 93 43 00-0125	EA	12' Pittosporum phylliraeoides - Willow Pittorporum.....	1,042.42	
32 93 43 00-0126	EA	6' Stenocarpus sinuatus - Firewheel Tree.....	694.94	
32 93 43 00-0127	EA	8' Stenocarpus sinuatus - Firewheel Tree.....	926.59	
32 93 43 00-0128	EA	10' Stenocarpus sinuatus - Firewheel Tree.....	1,158.24	
32 93 43 00-0129	EA	12' Stenocarpus sinuatus - Firewheel Tree.....	1,389.89	
32 93 43 00-0130	EA	24" Box Handroanthus impetiginosus (Tabebuia avellanadae) - Pink Trumpet Tree.....	331.82	
32 93 43 00-0131	EA	36" Box Handroanthus impetiginosus (Tabebuia avellanadae) - Pink Trumpet Tree.....	960.52	
32 93 43 00-0132	EA	1-1/2" Caliper Arbutus menziesii - Madrona.....	503.58	
32 93 43 00-0133	EA	2" Caliper Arbutus menziesii - Madrona.....	654.66	
32 93 43 00-0134	EA	2-1/2" Caliper Arbutus menziesii - Madrona.....	755.37	
32 93 43 00-0135	EA	3" Caliper Arbutus menziesii - Madrona.....	856.09	
32 93 43 00-0136	EA	3-1/2" Caliper Arbutus menziesii - Madrona.....	1,007.17	
32 93 43 00-0137	EA	1-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree.....	347.47	
32 93 43 00-0138	EA	2" Caliper Koelreuteria bipinnata - Chinese Flame Tree.....	564.64	
32 93 43 00-0139	EA	2-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree.....	694.94	
32 93 43 00-0140	EA	3" Caliper Koelreuteria bipinnata - Chinese Flame Tree.....	767.33	
32 93 43 00-0141	EA	24" Box Koelreuteria bipinnata - Chinese Flame Tree.....	338.79	
32 93 43 00-0142	EA	30" Box Koelreuteria bipinnata - Chinese Flame Tree.....	781.81	
32 93 43 00-0143	EA	36" Box Koelreuteria bipinnata - Chinese Flame Tree.....	1,223.39	
32 93 43 00-0144	EA	1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree.....	315.62	
32 93 43 00-0145	EA	2" Cliber Koelreuteria paniculata - Golden Rain Tree.....	512.52	
32 93 43 00-0146	EA	2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree.....	628.35	
32 93 43 00-0147	EA	3" Cliber Koelreuteria paniculata - Golden Rain Tree.....	709.42	
32 93 43 00-0148	EA	6' Magnolia grandiflora - Southern Magnolia.....	214.27	
32 93 43 00-0149	EA	7' Magnolia grandiflora - Southern Magnolia.....	324.31	
32 93 43 00-0150	EA	8' Magnolia grandiflora - Southern Magnolia.....	454.61	
32 93 43 00-0151	EA	9' Magnolia grandiflora - Southern Magnolia.....	605.18	
32 93 43 00-0152	EA	10' Magnolia grandiflora - Southern Magnolia.....	920.80	
32 93 43 00-0153	EA	24" Box Magnolia grandiflora - Southern Magnolia.....	376.43	
32 93 43 00-0154	EA	1-1/2" Caliper Tipuana tipu - Tipu Tree.....	448.82	
32 93 43 00-0155	EA	2" Caliper Tipuana tipu - Tipu Tree.....	584.91	
32 93 43 00-0156	EA	2-1/2" Caliper Tipuana tipu - Tipu Tree.....	741.27	
32 93 43 00-0157	EA	3" Caliper Tipuana tipu - Tipu Tree.....	854.20	
32 93 43 00-0158	EA	3-1/2" Caliper Tipuana tipu - Tipu Tree.....	1,256.69	
32 93 43 00-0159	EA	4" Caliper Tipuana tipu - Tipu Tree.....	1,679.45	
32 93 43 00-0160	EA	24" Box Tipuana tipu - Tipu Tree.....	338.79	
32 93 43 00-0161	EA	6' Albizia julibrissin - Silk Tree.....	694.94	
32 93 43 00-0162	EA	8' Albizia julibrissin - Silk Tree.....	926.59	
32 93 43 00-0163	EA	10' Albizia julibrissin - Silk Tree.....	1,158.24	
32 93 43 00-0164	EA	12' Albizia julibrissin - Silk Tree.....	1,389.89	
32 93 43 00-0165	EA	6' Brachychiton acerifolius - Flame Tree.....	694.94	
32 93 43 00-0166	EA	8' Brachychiton acerifolius - Flame Tree.....	926.59	
32 93 43 00-0167	EA	10' Brachychiton acerifolius - Flame Tree.....	1,158.24	
32 93 43 00-0168	EA	12' Brachychiton acerifolius - Flame Tree.....	1,389.89	
32 93 43 00-0169	EA	1-1/2" Caliper Chilopsis linearis - Desert Willow.....	561.75	
32 93 43 00-0170	EA	2" Caliper Chilopsis linearis - Desert Willow.....	674.67	
32 93 43 00-0171	EA	2-1/2" Caliper Chilopsis linearis - Desert Willow.....	718.11	
32 93 43 00-0172	EA	3" Caliper Chilopsis linearis - Desert Willow.....	796.29	
32 93 43 00-0173	EA	5 Gallon Chionanthus retusus - Chinese Fringe Tree.....	28.96	
32 93 43 00-0174	EA	15 Gallon Chionanthus retusus - Chinese Fringe Tree.....	115.82	
32 93 43 00-0175	EA	24" Box Chionanthus retusus - Chinese Fringe Tree.....	579.12	
32 93 43 00-0176	EA	5 Gallon Calodendrum capense - Cape Chestnut.....	43.43	
32 93 43 00-0177	EA	15 Gallon Calodendrum capense - Cape Chestnut.....	173.74	
32 93 43 00-0178	EA	24" Box Calodendrum capense - Cape Chestnut.....	651.51	
32 93 43 00-0179	EA	6' Chionanthus virginicus - White Fringe Tree.....	347.47	
32 93 43 00-0180	EA	8' Chionanthus virginicus - White Fringe Tree.....	733.89	
32 93 43 00-0181	EA	10' Chionanthus virginicus - White Fringe Tree.....	1,022.21	
32 93 43 00-0182	EA	15 Gallon Geijera parvifolia - Australian Willow.....	314.53	
32 93 43 00-0183	EA	24" Box Geijera parvifolia - Australian Willow.....	647.40	
32 93 43 00-0184	EA	30" Box Geijera parvifolia - Australian Willow.....	1,205.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0185	EA	36"	Box Geijera parvifolia - Australian Willow.....	1,729.89	
32 93 43 00-0186	EA	1-1/2"	Caliper Ginko Biloba - Maidenhair Tree.....	933.09	
32 93 43 00-0187	EA	2"	Caliper Ginko Biloba - Maidenhair Tree.....	1,300.04	
32 93 43 00-0188	EA	2-1/2"	Caliper Ginko Biloba - Maidenhair Tree.....	1,567.39	
32 93 43 00-0189	EA	3"	Caliper Ginko Biloba - Maidenhair Tree.....	1,829.49	
32 93 43 00-0190	EA	3-1/2"	Caliper Ginko Biloba - Maidenhair Tree.....	2,395.64	
32 93 43 00-0191	EA	4"	Caliper Ginko Biloba - Maidenhair Tree.....	2,558.14	
32 93 43 00-0192	EA	4-1/2"	Caliper Ginko Biloba - Maidenhair Tree.....	2,725.89	
32 93 43 00-0193	EA	24"	Box Ginko Biloba - Maidenhair Tree.....	851.84	
32 93 43 00-0194	EA	15 Gallon	Sapium sebiferum - Chinese Tallow Tree.....	314.53	
32 93 43 00-0195	EA	24"	Box Sapium sebiferum - Chinese Tallow Tree.....	1,153.26	
32 93 43 00-0196	EA	4' To 5'	Lagerstroemia indica - Crape Myrtle.....	335.49	
32 93 43 00-0197	EA	6'	Lagerstroemia indica - Crape Myrtle.....	623.81	
32 93 43 00-0198	EA	8'	Lagerstroemia indica - Crape Myrtle.....	644.78	
32 93 43 00-0199	EA	10'	Lagerstroemia indica - Crape Myrtle.....	781.07	
32 93 43 00-0200	EA	24"	Box Lagerstroemia indica - Crape Myrtle.....	613.33	
32 93 43 00-0201	EA	5 Gallon	Celtis Sinensis - Chinese Hackberry.....	42.49	
32 93 43 00-0202	EA	15 Gallon	Celtis Sinensis - Chinese Hackberry.....	112.02	
32 93 43 00-0203	EA	24"	Box Celtis Sinensis - Chinese Hackberry.....	366.95	
32 93 43 00-0204	EA	36"	Box Celtis Sinensis - Chinese Hackberry.....	1,071.87	
32 93 43 00-0205	EA	5 Gallon	Crataegus phaenopyrum - Washington Hawthorn.....	42.49	
32 93 43 00-0206	EA	15 Gallon	Crataegus phaenopyrum - Washington Hawthorn.....	112.02	
32 93 43 00-0207	EA	24"	Box Crataegus phaenopyrum - Washington Hawthorn.....	366.95	
32 93 43 00-0208	EA	36"	Box Crataegus phaenopyrum - Washington Hawthorn.....	1,071.87	
32 93 43 00-0209	EA	1 Gallon	Eucalyptus ficifolia - Red-Flowering Gum.....	12.55	
32 93 43 00-0210	EA	5 Gallon	Eucalyptus ficifolia - Red-Flowering Gum.....	34.76	
32 93 43 00-0211	EA	15 Gallon	Eucalyptus ficifolia - Red-Flowering Gum.....	152.57	
32 93 43 00-0212	EA	24"	Box Eucalyptus ficifolia - Red-Flowering Gum.....	366.95	
32 93 43 00-0213	EA	36"	Box Eucalyptus ficifolia - Red-Flowering Gum.....	965.65	
32 93 43 00-0214	EA	15 Gallon	Fraxinus velutina 'Raywood' - Fan-Tex Ash.....	94.63	
32 93 43 00-0215	EA	24"	Box Fraxinus velutina 'Raywood' - Fan-Tex Ash.....	309.01	
32 93 43 00-0216	EA	36"	Box Fraxinus velutina 'Raywood' - Fan-Tex Ash.....	820.80	
32 93 43 00-0217	EA	48"	Box Fraxinus velutina 'Raywood' - Fan-Tex Ash.....	1,834.74	
32 93 43 00-0218	EA	5 Gallon	Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust.....	27.04	
32 93 43 00-0219	EA	15 Gallon	Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust.....	94.63	
32 93 43 00-0220	EA	24"	Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust.....	309.01	
32 93 43 00-0221	EA	36"	Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust.....	820.80	
32 93 43 00-0222	EA	48"	Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust.....	1,834.74	
32 93 43 00-0223	EA	5 Gallon	Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum.....	27.04	
32 93 43 00-0224	EA	15 Gallon	Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum.....	113.95	
32 93 43 00-0225	EA	24"	Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum.....	309.01	
32 93 43 00-0226	EA	36"	Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum.....	869.08	
32 93 43 00-0227	EA	48"	Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum.....	2,221.00	
32 93 43 00-0228	EA	5 Gallon	Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	27.04	
32 93 43 00-0229	EA	15 Gallon	Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	113.95	
32 93 43 00-0230	EA	24"	Box Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	309.01	
32 93 43 00-0231	EA	36"	Box Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	869.08	
32 93 43 00-0232	EA	48"	Box Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	2,221.00	
32 93 43 00-0233	EA	5 Gallon	Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	27.04	
32 93 43 00-0234	EA	15 Gallon	Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	113.95	
32 93 43 00-0235	EA	24"	Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	309.01	
32 93 43 00-0236	EA	36"	Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	869.08	
32 93 43 00-0237	EA	48"	Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	2,221.00	
32 93 43 00-0238	EA	1 Gallon	Pittosporum undulatum - Victorian Box.....	11.35	
32 93 43 00-0239	EA	5 Gallon	Pittosporum undulatum - Victorian Box.....	24.45	
32 93 43 00-0240	EA	15 Gallon	Pittosporum undulatum - Victorian Box.....	137.97	
32 93 43 00-0241	EA	24"	Box Pittosporum undulatum - Victorian Box.....	331.82	
32 93 43 00-0242	EA	36"	Box Pittosporum undulatum - Victorian Box.....	960.52	
32 93 43 00-0243	EA	48"	Box Pittosporum undulatum - Victorian Box.....	2,183.00	
32 93 43 00-0244	EA	15 Gallon	Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum.....	96.47	
32 93 43 00-0245	EA	24"	Box Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum.....	347.54	

32 93 43 00-0246

Deciduous Shade Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0247	EA	3-1/2" To 4"	Caliper Acer palmatum - Bloodgood Japanese Maple.....	195.39	
32 93 43 00-0248	EA	4" To 4-1/2"	Caliper Acer palmatum - Bloodgood Japanese Maple.....	239.51	
32 93 43 00-0249	EA	4-1/2" To 5"	Caliper Acer palmatum - Bloodgood Japanese Maple.....	312.00	
32 93 43 00-0250	EA	5" To 6"	Caliper Acer palmatum - Bloodgood Japanese Maple.....	404.44	
32 93 43 00-0251	EA	2' To 2-1/2'	Acer palmatum - Japanese Maple.....	20.61	
32 93 43 00-0252	EA	4' To 5'	Acer palmatum - Japanese Maple.....	43.28	
32 93 43 00-0253	EA	5' To 6'	Acer palmatum - Japanese Maple.....	56.67	
32 93 43 00-0254	EA	6' To 7'	Acer palmatum - Japanese Maple.....	103.04	
32 93 43 00-0255	EA	7' To 8'	Acer palmatum - Japanese Maple.....	144.26	
32 93 43 00-0256	EA	8' To 10'	Acer palmatum - Japanese Maple.....	185.48	
32 93 43 00-0257	EA	10' To 12'	Acer palmatum - Japanese Maple.....	247.31	
32 93 43 00-0258	EA	2"	Caliper Acer platanoides & cvs - Norway Maple.....	105.05	
32 93 43 00-0259	EA	2"	Caliper Acer platanoides & cvs - Norway Maple.....	127.89	
32 93 43 00-0260	EA	3"	Caliper Acer platanoides & cvs - Norway Maple.....	164.43	
32 93 43 00-0261	EA	3-1/2"	Caliper Acer platanoides & cvs - Norway Maple.....	191.83	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 43 00-0262	EA	4" Caliper Acer platanoides & cvs - Norway Maple.....	205.53	
32 93 43 00-0263	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple.....	223.80	
32 93 43 00-0264	EA	5" Caliper Acer platanoides & cvs - Norway Maple.....	251.21	
32 93 43 00-0265	EA	2" Caliper Acer rubrum & cvs - Red Maple.....	100.48	
32 93 43 00-0266	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple.....	127.89	
32 93 43 00-0267	EA	3" Caliper Acer rubrum & cvs - Red Maple.....	164.43	
32 93 43 00-0268	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple.....	200.97	
32 93 43 00-0269	EA	4" Caliper Acer rubrum & cvs - Red Maple.....	228.37	
32 93 43 00-0270	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple.....	264.91	
32 93 43 00-0271	EA	5" Caliper Acer rubrum & cvs - Red Maple.....	296.88	
32 93 43 00-0272	EA	8' Clump Form Acer rubrum & cvs - Red Maple.....	123.32	
32 93 43 00-0273	EA	10' Clump Form Acer rubrum & cvs - Red Maple.....	164.43	
32 93 43 00-0274	EA	12' Clump Form Acer rubrum & cvs - Red Maple.....	191.83	
32 93 43 00-0275	EA	14' Clump Form Acer rubrum & cvs - Red Maple.....	219.23	
32 93 43 00-0276	EA	16' Clump Form Acer rubrum & cvs - Red Maple.....	246.64	
32 93 43 00-0277	EA	18' Clump Form Acer rubrum & cvs - Red Maple.....	274.04	
32 93 43 00-0278	EA	2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	159.86	
32 93 43 00-0279	EA	2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	178.13	
32 93 43 00-0280	EA	3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	200.97	
32 93 43 00-0281	EA	3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	228.37	
32 93 43 00-0282	EA	4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	274.04	
32 93 43 00-0283	EA	2" Caliper Betula nigra - River Birch.....	114.18	
32 93 43 00-0284	EA	2-1/2" Caliper Betula nigra - River Birch.....	129.30	
32 93 43 00-0285	EA	3" Caliper Betula nigra - River Birch.....	146.16	
32 93 43 00-0286	EA	3-1/2" Caliper Betula nigra - River Birch.....	182.70	
32 93 43 00-0287	EA	4" Caliper Betula nigra - River Birch.....	205.53	
32 93 43 00-0288	EA	4-1/2" Caliper Betula nigra - River Birch.....	228.37	
32 93 43 00-0289	EA	5" Caliper Betula nigra - River Birch.....	251.21	
32 93 43 00-0290	EA	8' Clump Form Betula nigra - River Birch.....	105.05	
32 93 43 00-0291	EA	10' Clump Form Betula nigra - River Birch.....	118.75	
32 93 43 00-0292	EA	12' Clump Form Betula nigra - River Birch.....	137.02	
32 93 43 00-0293	EA	14' Clump Form Betula nigra - River Birch.....	159.86	
32 93 43 00-0294	EA	16' Clump Form Betula nigra - River Birch.....	182.70	
32 93 43 00-0295	EA	12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	137.02	
32 93 43 00-0296	EA	14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	164.43	
32 93 43 00-0297	EA	16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	191.83	
32 93 43 00-0298	EA	18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	228.37	
32 93 43 00-0299	EA	20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	237.50	
32 93 43 00-0300	EA	2" Caliper Carpinus betulus & cvs - European Hornbeam.....	182.70	
32 93 43 00-0301	EA	2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam.....	205.53	
32 93 43 00-0302	EA	3" Caliper Carpinus betulus & cvs - European Hornbeam.....	237.50	
32 93 43 00-0303	EA	3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam.....	287.75	
32 93 43 00-0304	EA	6' Clump Form Carpinus betulus & cvs - European Hornbeam.....	82.21	
32 93 43 00-0305	EA	7' Clump Form Carpinus betulus & cvs - European Hornbeam.....	114.18	
32 93 43 00-0306	EA	8' Clump Form Carpinus betulus & cvs - European Hornbeam.....	141.59	
32 93 43 00-0307	EA	2" Caliper Catalpa speciosa - Western Catalpa.....	100.48	
32 93 43 00-0308	EA	2-1/2" Caliper Catalpa speciosa - Western Catalpa.....	137.02	
32 93 43 00-0309	EA	3" Caliper Catalpa speciosa - Western Catalpa.....	178.13	
32 93 43 00-0310	EA	3-1/2" Caliper Catalpa speciosa - Western Catalpa.....	214.67	
32 93 43 00-0311	EA	4" Caliper Catalpa speciosa - Western Catalpa.....	246.64	
32 93 43 00-0312	EA	8' Clump Form Corylus cornuta californica - Western Filbert.....	127.89	
32 93 43 00-0313	EA	10' Clump Form Corylus cornuta californica - Western Filbert.....	155.29	
32 93 43 00-0314	EA	12' Clump Form Corylus cornuta californica - Western Filbert.....	182.70	
32 93 43 00-0315	EA	1-1/2" Caliper Diospyros - Persimmon.....	82.21	
32 93 43 00-0316	EA	2" Caliper Diospyros - Persimmon.....	100.48	
32 93 43 00-0317	EA	2-1/2" Caliper Diospyros - Persimmon.....	127.89	
32 93 43 00-0318	EA	3" Caliper Diospyros - Persimmon.....	159.86	
32 93 43 00-0319	EA	3-1/2" Caliper Diospyros - Persimmon.....	191.83	
32 93 43 00-0320	EA	2" Caliper Fagus sylvatica & cvs - European Beech.....	205.53	
32 93 43 00-0321	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	246.64	
32 93 43 00-0322	EA	3" Caliper Fagus sylvatica & cvs - European Beech.....	296.88	
32 93 43 00-0323	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	328.85	
32 93 43 00-0324	EA	4" Caliper Fagus sylvatica & cvs - European Beech.....	388.23	
32 93 43 00-0325	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	502.41	
32 93 43 00-0326	EA	5" Caliper Fagus sylvatica & cvs - European Beech.....	593.76	
32 93 43 00-0327	EA	2" Caliper Fraxinus americana & cvs - White Ash.....	114.18	
32 93 43 00-0328	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash.....	137.02	
32 93 43 00-0329	EA	3" Caliper Fraxinus americana & cvs - White Ash.....	173.56	
32 93 43 00-0330	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash.....	210.10	
32 93 43 00-0331	EA	4" Caliper Fraxinus americana & cvs - White Ash.....	246.64	
32 93 43 00-0332	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash.....	274.04	
32 93 43 00-0333	EA	5" Caliper Fraxinus americana & cvs - White Ash.....	319.72	
32 93 43 00-0334	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	159.86	
32 93 43 00-0335	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	178.13	
32 93 43 00-0336	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	200.97	
32 93 43 00-0337	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	223.80	
32 93 43 00-0338	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	251.21	
32 93 43 00-0339	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	274.04	
32 93 43 00-0340	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	411.07	
32 93 43 00-0341	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	456.74	
32 93 43 00-0342	EA	2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	109.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0343	EA		2-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust .....	137.02	
32 93 43 00-0344	EA		3" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust .....	164.43	
32 93 43 00-0345	EA		3-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust .....	191.83	
32 93 43 00-0346	EA		4" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust .....	219.23	
32 93 43 00-0347	EA		4-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust .....	246.64	
32 93 43 00-0348	EA		5" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust .....	292.31	
32 93 43 00-0349	EA		10' - 12' Bursera Simaruba - Gumbo Limbo.....	57.78	
32 93 43 00-0350	EA		12' - 14' Bursera Simaruba - Gumbo Limbo.....	68.28	
32 93 43 00-0351	EA		14' - 16' Bursera Simaruba - Gumbo Limbo.....	94.54	
32 93 43 00-0352	EA		17' - 18' Bursera Simaruba - Gumbo Limbo.....	122.91	
32 93 43 00-0353	EA		19' - 20' Bursera Simaruba - Gumbo Limbo.....	136.56	
32 93 43 00-0354	EA		21' - 22' Bursera Simaruba - Gumbo Limbo.....	161.78	
32 93 43 00-0355	EA		1-1/2" Caliper Juglans californica - California Walnut .....	109.62	
32 93 43 00-0356	EA		2" Caliper Juglans californica - California Walnut .....	127.89	
32 93 43 00-0357	EA		2-1/2" Caliper Juglans californica - California Walnut .....	159.86	
32 93 43 00-0358	EA		3" Caliper Juglans californica - California Walnut .....	200.97	
32 93 43 00-0359	EA		3-1/2" Caliper Juglans californica - California Walnut .....	246.64	
32 93 43 00-0360	EA		4" Caliper Juglans californica - California Walnut .....	296.88	
32 93 43 00-0361	EA		4-1/2" Caliper Juglans californica - California Walnut .....	342.55	
32 93 43 00-0362	EA		5" Caliper Juglans californica - California Walnut .....	388.23	
32 93 43 00-0363	EA		5 Gallon Koelreuteria Paniculata - Goldenrain Tree .....	12.37	
32 93 43 00-0364	EA		15 Gallon Koelreuteria Paniculata - Goldenrain Tree .....	30.91	
32 93 43 00-0365	EA		20 Gallon Koelreuteria Paniculata - Goldenrain Tree .....	61.83	
32 93 43 00-0366	EA		55 Gallon Koelreuteria Paniculata - Goldenrain Tree .....	80.37	
32 93 43 00-0367	EA		1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	58.74	
32 93 43 00-0368	EA		2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	71.10	
32 93 43 00-0369	EA		2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	98.92	
32 93 43 00-0370	EA		1-1/2" Caliper Liquidambar styraciflua - American Sweetgum .....	146.16	
32 93 43 00-0371	EA		2" Caliper Liquidambar styraciflua - American Sweetgum .....	182.70	
32 93 43 00-0372	EA		2-1/2" Caliper Liquidambar styraciflua - American Sweetgum .....	228.37	
32 93 43 00-0373	EA		3" Caliper Liquidambar styraciflua - American Sweetgum .....	274.04	
32 93 43 00-0374	EA		3-1/2" Caliper Liquidambar styraciflua - American Sweetgum .....	319.72	
32 93 43 00-0375	EA		1-1/2" Caliper Liriodendron tulipifera - Tulip Tree .....	146.16	
32 93 43 00-0376	EA		2" Caliper Liriodendron tulipifera - Tulip Tree .....	200.97	
32 93 43 00-0377	EA		2-1/2" Caliper Liriodendron tulipifera - Tulip Tree .....	237.50	
32 93 43 00-0378	EA		3" Caliper Liriodendron tulipifera - Tulip Tree .....	274.04	
32 93 43 00-0379	EA		3-1/2" Caliper Liriodendron tulipifera - Tulip Tree .....	310.58	
32 93 43 00-0380	EA		8' Clump Form Liriodendron tulipifera - Tulip Tree.....	109.62	
32 93 43 00-0381	EA		10' Clump Form Liriodendron tulipifera - Tulip Tree.....	196.40	
32 93 43 00-0382	EA		12' Clump Form Liriodendron tulipifera - Tulip Tree.....	237.50	
32 93 43 00-0383	EA		1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum .....	146.16	
32 93 43 00-0384	EA		2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum .....	182.70	
32 93 43 00-0385	EA		2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum .....	228.37	
32 93 43 00-0386	EA		3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum .....	274.04	
32 93 43 00-0387	EA		3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum .....	319.72	
32 93 43 00-0388	EA		4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	63.94	
32 93 43 00-0389	EA		5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	73.08	
32 93 43 00-0390	EA		6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	86.78	
32 93 43 00-0391	EA		7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	109.62	
32 93 43 00-0392	EA		8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	137.02	
32 93 43 00-0393	EA		30" Box Platanus Occidentalis - Buttonwood Sycamore.....	198.43	
32 93 43 00-0394	EA		36" Box Platanus Occidentalis - Buttonwood Sycamore.....	288.63	
32 93 43 00-0395	EA		42" Box Platanus occidentalis - Buttonwood Sycamore.....	429.35	
32 93 43 00-0396	EA		1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	66.40	
32 93 43 00-0397	EA		2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	79.38	
32 93 43 00-0398	EA		2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore.....	108.23	
32 93 43 00-0399	EA		3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	131.35	
32 93 43 00-0400	EA		8' To 10' Platanus occidentalis - Green Or Silver Buttonwood.....	54.63	
32 93 43 00-0401	EA		10' To 12' Platanus occidentalis - Green Or Silver Buttonwood.....	68.28	
32 93 43 00-0402	EA		12' To 14' Platanus occidentalis - Green Or Silver Buttonwood.....	120.81	
32 93 43 00-0403	EA		16' To 18' Platanus occidentalis - Green Or Silver Buttonwood.....	173.33	
32 93 43 00-0404	EA		2" Caliper Platanus x acerifolia & cvs - London Planetree.....	109.62	
32 93 43 00-0405	EA		2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree.....	132.45	
32 93 43 00-0406	EA		3" Caliper Platanus x acerifolia & cvs - London Planetree.....	159.86	
32 93 43 00-0407	EA		3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree.....	191.83	
32 93 43 00-0408	EA		4" Caliper Platanus x acerifolia & cvs - London Planetree.....	228.37	
32 93 43 00-0409	EA		2" Caliper Populus alba & cvs - White Poplar .....	109.62	
32 93 43 00-0410	EA		2-1/2" Caliper Populus alba & cvs - White Poplar .....	127.89	
32 93 43 00-0411	EA		3" Caliper Populus alba & cvs - White Poplar .....	146.16	
32 93 43 00-0412	EA		3-1/2" Caliper Populus alba & cvs - White Poplar .....	173.56	
32 93 43 00-0413	EA		4" Caliper Populus alba & cvs - White Poplar .....	191.83	
32 93 43 00-0414	EA		4-1/2" Caliper Populus alba & cvs - White Poplar .....	219.23	
32 93 43 00-0415	EA		2" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	100.48	
32 93 43 00-0416	EA		2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood .....	132.45	
32 93 43 00-0417	EA		3" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	159.86	
32 93 43 00-0418	EA		3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood .....	191.83	
32 93 43 00-0419	EA		4" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	228.37	
32 93 43 00-0420	EA		2" Caliper Quercus palustris - Pin Oak .....	100.48	
32 93 43 00-0421	EA		2-1/2" Caliper Quercus palustris - Pin Oak .....	137.02	
32 93 43 00-0422	EA		3" Caliper Quercus palustris - Pin Oak .....	178.13	
32 93 43 00-0423	EA		3-1/2" Caliper Quercus palustris - Pin Oak .....	205.53	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 43 00-0424	EA	4" Caliper Quercus palustris - Pin Oak.....	237.50	
32 93 43 00-0425	EA	4-1/2" Caliper Quercus palustris - Pin Oak.....	269.48	
32 93 43 00-0426	EA	5" Caliper Quercus palustris - Pin Oak.....	296.88	
32 93 43 00-0427	EA	2" Caliper Quercus shumardii - Shumard Oak.....	155.29	
32 93 43 00-0428	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak.....	196.40	
32 93 43 00-0429	EA	3" Caliper Quercus shumardii - Shumard Oak.....	228.37	
32 93 43 00-0430	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak.....	274.04	
32 93 43 00-0431	EA	4" Caliper Quercus shumardii - Shumard Oak.....	319.72	
32 93 43 00-0432	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak.....	365.39	
32 93 43 00-0433	EA	5" Caliper Quercus shumardii - Shumard Oak.....	411.07	
32 93 43 00-0434	EA	24" Box Salix babylonica - Weeping Willow.....	115.44	
32 93 43 00-0435	EA	36" Box Salix babylonica - Weeping Willow.....	288.63	
32 93 43 00-0436	EA	1-1/2" To 2" Caliper Salix babylonica - Weeping Willow.....	66.40	
32 93 43 00-0437	EA	2" To 2-1/2" Caliper Salix babylonica - Weeping Willow.....	79.38	
32 93 43 00-0438	EA	2-1/2" To 3" Caliper Salix babylonica - Weeping Willow.....	86.59	
32 93 43 00-0439	EA	2' Thuja occidentalis - American Arborvitae.....	15.65	
32 93 43 00-0440	EA	2-1/2' Thuja occidentalis - American Arborvitae.....	16.91	
32 93 43 00-0441	EA	3' Thuja occidentalis - American Arborvitae.....	24.16	
32 93 43 00-0442	EA	4' Thuja occidentalis - American Arborvitae.....	33.20	
32 93 43 00-0443	EA	5' Thuja occidentalis - American Arborvitae.....	46.22	
32 93 43 00-0444	EA	6' Thuja occidentalis - American Arborvitae.....	64.08	
32 93 43 00-0445	EA	7' Thuja occidentalis - American Arborvitae.....	77.74	
32 93 43 00-0446	EA	8' Thuja occidentalis - American Arborvitae.....	109.25	
32 93 43 00-0447	EA	2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	114.87	
32 93 43 00-0448	EA	2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	138.76	
32 93 43 00-0449	EA	3" Caliper Tilia cordata & cvs - Littleleaf Linden.....	159.86	
32 93 43 00-0450	EA	3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	196.40	
32 93 43 00-0451	EA	4" Caliper Tilia cordata & cvs - Littleleaf Linden.....	223.80	
32 93 43 00-0452	EA	4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	251.21	
32 93 43 00-0453	EA	5" Caliper Tilia cordata & cvs - Littleleaf Linden.....	278.61	
32 93 43 00-0454	EA	2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	127.89	
32 93 43 00-0455	EA	2-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	146.16	
32 93 43 00-0456	EA	3" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	159.86	
32 93 43 00-0457	EA	3-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	173.56	
32 93 43 00-0458	EA	4" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	191.83	
32 93 43 00-0459	EA	4-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	228.37	
32 93 43 00-0460	EA	5" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	269.48	
32 93 43 00-0461	EA	2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	146.16	
32 93 43 00-0462	EA	2-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	159.86	
32 93 43 00-0463	EA	3" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	173.56	
32 93 43 00-0464	EA	3-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	191.83	
32 93 43 00-0465	EA	4" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	228.37	
32 93 43 00-0466	EA	4-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	269.48	
32 93 43 00-0467	EA	5" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	310.58	
32 93 43 00-0468	EA	2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	146.16	
32 93 43 00-0469	EA	2-1/2" Mary-Louise Parker Ulmus x 'Regal' - Regal Hybrid Elm.....	159.86	
32 93 43 00-0470	EA	3" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	173.56	
32 93 43 00-0471	EA	3-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	191.83	
32 93 43 00-0472	EA	4" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	228.37	
32 93 43 00-0473	EA	4-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	269.48	
32 93 43 00-0474	EA	5" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	310.58	
32 93 43 00-0475	EA	1-1/2" To 2" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	487.52	
32 93 43 00-0476	EA	2" To 2-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	870.19	
32 93 43 00-0477	EA	2-1/2" To 3" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	1,273.83	
32 93 43 00-0478	EA	3" To 3-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	1,583.11	
32 93 43 00-0479	EA	3-1/2" To 4" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	2,049.66	
32 93 43 00-0480	EA	4" To 5" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	2,332.73	
32 93 43 00-0481	EA	24" Box Platanus acerifolia "Bloodgold" - London Plane.....	613.33	
32 93 43 00-0482	EA	1-1/2" Caliper Quercus suber - Cork Oak.....	733.89	
32 93 43 00-0483	EA	2" Caliper Quercus suber - Cork Oak.....	1,016.97	
32 93 43 00-0484	EA	2-1/2" Caliper Quercus suber - Cork Oak.....	1,300.04	
32 93 43 00-0485	EA	3" Caliper Quercus suber - Cork Oak.....	1,625.05	
32 93 43 00-0486	EA	3-1/2" Caliper Quercus suber - Cork Oak.....	2,437.58	
32 93 43 00-0487	EA	4" Caliper Quercus suber - Cork Oak.....	3,145.26	
32 93 43 00-0488	EA	4-1/2" Caliper Quercus suber - Cork Oak.....	4,088.84	
32 93 43 00-0489	EA	1-1/2" Caliper Quercus ilex - Holly Oak.....	812.53	
32 93 43 00-0490	EA	2" Caliper Quercus ilex - Holly Oak.....	1,095.60	
32 93 43 00-0491	EA	2-1/2" Caliper Quercus ilex - Holly Oak.....	1,341.98	
32 93 43 00-0492	EA	3" Caliper Quercus ilex - Holly Oak.....	1,625.05	
32 93 43 00-0493	EA	3-1/2" Caliper Quercus ilex - Holly Oak.....	2,437.58	
32 93 43 00-0494	EA	4" Caliper Quercus ilex - Holly Oak.....	3,145.26	

**32 93 43 00-0495****Evergreen Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0496	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar.....	20.84	
32 93 43 00-0497	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar.....	33.51	
32 93 43 00-0498	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar.....	49.78	
32 93 43 00-0499	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar.....	66.97	
32 93 43 00-0500	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar.....	95.08	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0501	EA	6'	To 8' Cedrus deodara - Indian Cedar .....	86.03	
32 93 43 00-0502	EA	8'	To 10' Cedrus deodara - Indian Cedar .....	99.60	
32 93 43 00-0503	EA	10'	To 12' Cedrus deodara - Indian Cedar .....	135.81	
32 93 43 00-0504	EA	12'	To 14' Cedrus deodara - Indian Cedar .....	176.53	
32 93 43 00-0505	EA	14'	To 16' Cedrus deodara - Indian Cedar .....	226.36	
32 93 43 00-0506	EA	15"	To 18" Chamaecyparis obtusa - Compact Hinoki Cypress .....	26.89	
32 93 43 00-0507	EA	18"	To 24" Chamaecyparis obtusa - Compact Hinoki Cypress .....	40.34	
32 93 43 00-0508	EA	2'	To 3' Chamaecyparis obtusa - Compact Hinoki Cypress .....	62.75	
32 93 43 00-0509	EA	3'	To 4' Chamaecyparis obtusa - Compact Hinoki Cypress .....	107.56	
32 93 43 00-0510	EA	5	Gallon Cupressocyparis leylandii - Leyland Cypress .....	14.79	
32 93 43 00-0511	EA	15	Gallon Cupressocyparis leylandii - Leyland Cypress .....	59.18	
32 93 43 00-0512	EA	4'	To 5' Cupressocyparis leylandii - Leyland Cypress .....	25.89	
32 93 43 00-0513	EA	5'	To 6' Cupressocyparis leylandii - Leyland Cypress .....	33.29	
32 93 43 00-0514	EA	6'	To 7' Cupressocyparis leylandii - Leyland Cypress .....	51.78	
32 93 43 00-0515	EA	24"	Box Cupressocyparis leylandii - Leyland Cypress .....	125.75	
32 93 43 00-0516	EA	1	Gallon Cupressus macrocarpa - Monterey Cypress .....	2.70	
32 93 43 00-0517	EA	5	Gallon Cupressus macrocarpa - Monterey Cypress .....	12.14	
32 93 43 00-0518	EA	15	Gallon Cupressus macrocarpa - Monterey Cypress .....	40.47	
32 93 43 00-0519	EA	5	Gallon Cupressus sempervirens - Italian Cypress .....	13.92	
32 93 43 00-0520	EA	15	Gallon Cupressus sempervirens - Italian Cypress .....	38.29	
32 93 43 00-0521	EA	1	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper .....	4.09	
32 93 43 00-0522	EA	2	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper .....	8.01	
32 93 43 00-0523	EA	3	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper .....	9.92	
32 93 43 00-0524	EA	5	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper .....	11.66	
32 93 43 00-0525	EA	1	Gallon Juniperus - Blue Sargent Juniper .....	4.09	
32 93 43 00-0526	EA	2	Gallon Juniperus - Blue Sargent Juniper .....	8.01	
32 93 43 00-0527	EA	3	Gallon Juniperus - Blue Sargent Juniper .....	9.92	
32 93 43 00-0528	EA	5	Gallon Juniperus - Blue Sargent Juniper .....	11.66	
32 93 43 00-0529	EA	5	Gallon Juniperus - Compact Pfitzer Juniper .....	11.66	
32 93 43 00-0530	EA	15"	To 18" Juniperus - Compact Pfitzer Juniper .....	12.62	
32 93 43 00-0531	EA	18"	To 24" Juniperus - Compact Pfitzer Juniper .....	15.23	
32 93 43 00-0532	EA	2'	To 2 1/2' Juniperus - Compact Pfitzer Juniper .....	22.63	
32 93 43 00-0533	EA	2-1/2'	To 3' Juniperus - Compact Pfitzer Juniper .....	26.19	
32 93 43 00-0534	EA	5'	To 6' Juniperus - Fairview Juniper .....	39.02	
32 93 43 00-0535	EA	1	Gallon Juniperus - Hollywood Juniper .....	5.22	
32 93 43 00-0536	EA	5	Gallon Juniperus - Hollywood Juniper .....	14.53	
32 93 43 00-0537	EA	15	Gallon Juniperus - Hollywood Juniper .....	61.61	
32 93 43 00-0538	EA	4'	To 5' Juniperus - Hollywood Juniper .....	40.73	
32 93 43 00-0539	EA	5'	To 6' Juniperus - Hollywood Juniper .....	52.48	
32 93 43 00-0540	EA	1	Gallon Juniperus - Parson's Juniper .....	4.09	
32 93 43 00-0541	EA	2	Gallon Juniperus - Parson's Juniper .....	8.09	
32 93 43 00-0542	EA	3	Gallon Juniperus - Parson's Juniper .....	10.01	
32 93 43 00-0543	EA	5	Gallon Juniperus - Parson's Juniper .....	11.84	
32 93 43 00-0544	EA	5	Gallon Juniperus - Skyrocket Juniper .....	14.62	
32 93 43 00-0545	EA	15	Gallon Juniperus - Skyrocket Juniper .....	62.22	
32 93 43 00-0546	EA	2'	To 3' Juniperus - Skyrocket Juniper .....	21.93	
32 93 43 00-0547	EA	3'	To 4' Juniperus - Skyrocket Juniper .....	31.07	
32 93 43 00-0548	EA	4'	To 5' Juniperus - Skyrocket Juniper .....	41.16	
32 93 43 00-0549	EA	5'	To 6' Juniperus - Skyrocket Juniper .....	53.09	
32 93 43 00-0550	EA	6'	To 8' Juniperus - Skyrocket Juniper .....	68.58	
32 93 43 00-0551	EA	1	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper .....	4.09	
32 93 43 00-0552	EA	2	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper .....	8.05	
32 93 43 00-0553	EA	3	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper .....	9.88	
32 93 43 00-0554	EA	5	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper .....	11.71	
32 93 43 00-0555	EA	1	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper .....	4.09	
32 93 43 00-0556	EA	2	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper .....	8.05	
32 93 43 00-0557	EA	3	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper .....	9.88	
32 93 43 00-0558	EA	5	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper .....	11.71	
32 93 43 00-0559	EA	3'	Pinus sylvestris - Scotch Pine .....	38.01	
32 93 43 00-0560	EA	4'	Pinus sylvestris - Scotch Pine .....	52.77	
32 93 43 00-0561	EA	5'	Pinus sylvestris - Scotch Pine .....	74.06	
32 93 43 00-0562	EA	6'	Pinus sylvestris - Scotch Pine .....	102.76	
32 93 43 00-0563	EA	7'	Pinus sylvestris - Scotch Pine .....	125.91	
32 93 43 00-0564	EA	8'	Pinus sylvestris - Scotch Pine .....	177.75	
32 93 43 00-0565	EA	9'	Pinus sylvestris - Scotch Pine .....	225.66	
32 93 43 00-0566	EA	10'	Pinus sylvestris - Scotch Pine .....	260.37	
32 93 43 00-0567	EA	12'	Pinus sylvestris - Scotch Pine .....	306.66	
32 93 43 00-0568	EA	14'	Pinus sylvestris - Scotch Pine .....	347.17	
32 93 43 00-0569	EA	16'	Pinus sylvestris - Scotch Pine .....	405.03	
32 93 43 00-0570	EA	1	Gallon Pinus thunbergiana - Japanese Black Pine .....	4.09	
32 93 43 00-0571	EA	5	Gallon Pinus thunbergiana - Japanese Black Pine .....	14.53	
32 93 43 00-0572	EA	15	Gallon Pinus thunbergiana - Japanese Black Pine .....	47.08	
32 93 43 00-0573	EA	2'	To 3' Pinus thunbergiana - Japanese Black Pine .....	19.93	
32 93 43 00-0574	EA	3'	To 4' Pinus thunbergiana - Japanese Black Pine .....	25.32	
32 93 43 00-0575	EA	4'	To 5' Pinus thunbergiana - Japanese Black Pine .....	38.03	
32 93 43 00-0576	EA	5'	To 6' Pinus thunbergiana - Japanese Black Pine .....	74.23	
32 93 43 00-0577	EA	6'	To 7' Pinus thunbergiana - Japanese Black Pine .....	83.28	
32 93 43 00-0578	EA	7'	To 8' Pinus thunbergiana - Japanese Black Pine .....	104.08	
32 93 43 00-0579	EA	6'	Pinus flexilis & cvs - Limber Pine .....	144.65	
32 93 43 00-0580	EA	7'	Pinus flexilis & cvs - Limber Pine .....	167.80	
32 93 43 00-0581	EA	8'	Pinus flexilis & cvs - Limber Pine .....	208.30	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 43 00-0582	EA	9' Pinus flexilis & cvs - Limber Pine .....	254.59	
32 93 43 00-0583	EA	10' Pinus flexilis & cvs - Limber Pine .....	289.30	
32 93 43 00-0584	EA	1 Gallon Pinus mugo - Mugho Pine .....	5.40	
32 93 43 00-0585	EA	2 Gallon Pinus mugo - Mugho Pine .....	11.40	
32 93 43 00-0586	EA	3 Gallon Pinus mugo - Mugho Pine .....	14.27	
32 93 43 00-0587	EA	5 Gallon Pinus mugo - Mugho Pine .....	18.10	
32 93 43 00-0588	EA	12" To 15" Spread Pinus mugo - Mugho Pine.....	14.01	
32 93 43 00-0589	EA	15" To 18" Spread Pinus mugo - Mugho Pine.....	16.71	
32 93 43 00-0590	EA	18" To 24" Spread Pinus mugo - Mugho Pine.....	22.63	
32 93 43 00-0591	EA	2' To 2-1/2' Spread Pinus mugo - Mugho Pine.....	31.68	
32 93 43 00-0592	EA	2-1/2' To 3' Spread Pinus mugo - Mugho Pine.....	40.73	
32 93 43 00-0593	EA	3' To 3-1/2' Spread Pinus mugo - Mugho Pine.....	50.74	
32 93 43 00-0594	EA	3-1/2' To 4' Spread Pinus mugo - Mugho Pine.....	61.61	
32 93 43 00-0595	EA	6' Pinus nigra - Austrian Pine.....	144.65	
32 93 43 00-0596	EA	7' Pinus nigra - Austrian Pine.....	173.58	
32 93 43 00-0597	EA	8' Pinus nigra - Austrian Pine.....	225.66	
32 93 43 00-0598	EA	9' Pinus nigra - Austrian Pine.....	260.37	
32 93 43 00-0599	EA	10' Pinus nigra - Austrian Pine.....	306.66	
32 93 43 00-0600	EA	12' Pinus nigra - Austrian Pine.....	347.17	
32 93 43 00-0601	EA	14' Pinus nigra - Austrian Pine.....	387.67	
32 93 43 00-0602	EA	16' Pinus nigra - Austrian Pine.....	439.74	
32 93 43 00-0603	EA	1 Gallon Podocarpus - Chinese Podocarpus .....	2.70	
32 93 43 00-0604	EA	3 Gallon Podocarpus - Chinese Podocarpus .....	6.27	
32 93 43 00-0605	EA	7 Gallon Podocarpus - Chinese Podocarpus .....	18.10	
32 93 43 00-0606	EA	15 Gallon Podocarpus - Chinese Podocarpus .....	29.41	
32 93 43 00-0607	EA	4' To 5' Podocarpus - Chinese Podocarpus .....	45.25	
32 93 43 00-0608	EA	5' To 6' Sequoia sempervirens - Dawn Redwood .....	56.57	
32 93 43 00-0609	EA	6' To 8' Sequoia sempervirens - Dawn Redwood .....	76.37	
32 93 43 00-0610	EA	8' To 10' Sequoia sempervirens - Dawn Redwood .....	93.34	
32 93 43 00-0611	EA	3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae .....	10.91	
32 93 43 00-0612	EA	3' To 4' Thuja occidentalis 'Woodwadii' - Woodward Arborvitae .....	20.65	
32 93 43 00-0613	EA	4' Metrosideros excelsus - New Zealand Christmas Tree .....	82.51	
32 93 43 00-0614	EA	5' Metrosideros excelsus - New Zealand Christmas Tree .....	111.79	
32 93 43 00-0615	EA	6' Metrosideros excelsus - New Zealand Christmas Tree .....	190.30	
32 93 43 00-0616	EA	8' Metrosideros excelsus - New Zealand Christmas Tree .....	235.55	
32 93 43 00-0617	EA	24" Box Metrosideros excelsus - New Zealand Christmas Tree .....	151.27	
32 93 43 00-0618	EA	6' Cedrus decurrens - Incese Cedar .....	97.15	
32 93 43 00-0619	EA	8' Cedrus decurrens - Incese Cedar .....	200.95	
32 93 43 00-0620	EA	10' Cedrus decurrens - Incese Cedar .....	266.16	
32 93 43 00-0621	EA	12' Cedrus decurrens - Incese Cedar .....	352.66	
32 93 43 00-0622	EA	6' Pinus canariensis - Canary Island Pine.....	319.39	
32 93 43 00-0623	EA	8' Pinus canariensis - Canary Island Pine.....	425.86	
32 93 43 00-0624	EA	10' Pinus canariensis - Canary Island Pine.....	532.32	
32 93 43 00-0625	EA	12' Pinus canariensis - Canary Island Pine.....	638.78	
32 93 43 00-0626	EA	24" Box Pinus canariensis - Canary Island Pine .....	328.71	
32 93 43 00-0627	EA	6' Pinus pinea - Italian Stone Pine .....	319.39	
32 93 43 00-0628	EA	8' Pinus pinea - Italian Stone Pine .....	425.86	
32 93 43 00-0629	EA	10' Pinus pinea - Italian Stone Pine .....	532.32	
32 93 43 00-0630	EA	12' Pinus pinea - Italian Stone Pine .....	638.78	
32 93 43 00-0631	EA	6' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine .....	332.70	
32 93 43 00-0632	EA	8' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine .....	439.16	
32 93 43 00-0633	EA	10' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine .....	558.94	
32 93 43 00-0634	EA	12' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine .....	665.40	
32 93 43 00-0635	EA	24" Box Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine .....	155.70	
32 93 43 00-0636	EA	6' Melaleuca linariifolia - Flaxleaf Paperbark .....	279.47	
32 93 43 00-0637	EA	8' Melaleuca linariifolia - Flaxleaf Paperbark .....	372.62	
32 93 43 00-0638	EA	10' Melaleuca linariifolia - Flaxleaf Paperbark.....	465.78	
32 93 43 00-0639	EA	12' Melaleuca linariifolia - Flaxleaf Paperbark.....	558.94	
32 93 43 00-0640	EA	24" Box Melaleuca linariifolia - Flaxleaf Paperbark .....	276.81	
32 93 43 00-0641	EA	6' Melaleuca quinquenervia - Cajeput Tree.....	279.47	
32 93 43 00-0642	EA	8' Melaleuca quinquenervia - Cajeput Tree.....	372.62	
32 93 43 00-0643	EA	10' Melaleuca quinquenervia - Cajeput Tree.....	465.78	
32 93 43 00-0644	EA	12' Melaleuca quinquenervia - Cajeput Tree.....	558.94	
32 93 43 00-0645	EA	24" Box Melaleuca quinquenervia - Cajeput Tree.....	155.70	
32 93 43 00-0646	EA	30" Box Melaleuca quinquenervia - Cajeput Tree.....	392.59	
32 93 43 00-0647	EA	36" Box Melaleuca quinquenervia - Cajeput Tree.....	618.82	
32 93 43 00-0648	EA	6' Pittosporum undulatum - Victorian Box .....	175.67	
32 93 43 00-0649	EA	8' Pittosporum undulatum - Victorian Box .....	278.14	
32 93 43 00-0650	EA	10' Pittosporum undulatum - Victorian Box .....	365.97	
32 93 43 00-0651	EA	1 Gallon Podocarpus macrophyllus - Yew Pine.....	6.19	
32 93 43 00-0652	EA	3 Gallon Podocarpus macrophyllus - Yew Pine .....	14.51	
32 93 43 00-0653	EA	5 Gallon Podocarpus macrophyllus - Yew Pine .....	19.03	
32 93 43 00-0654	EA	15 Gallon Podocarpus macrophyllus - Yew Pine .....	82.51	
32 93 43 00-0655	EA	24" Box Podocarpus macrophyllus - Yew Pine .....	159.70	
32 93 43 00-0656	EA	24" Box Rhus lancea - African Sumac .....	164.35	
32 93 43 00-0657	EA	30" Box Rhus lancea - African Sumac .....	266.16	
32 93 43 00-0658	EA	8' Rhus lancea - African Sumac.....	399.24	
32 93 43 00-0659	EA	10' Rhus lancea - African Sumac.....	445.82	
32 93 43 00-0660	EA	12' Rhus lancea - African Sumac.....	532.32	





MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 43 00-0661

Palm And Subtropical Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0662	EA	4' To 5' Archontophoenix cunninghamiana - King Palm.....	90.16
32 93 43 00-0663	EA	6' To 8' Archontophoenix cunninghamiana - King Palm.....	140.25
32 93 43 00-0664	EA	8' To 10' Archontophoenix cunninghamiana - King Palm.....	180.32
32 93 43 00-0665	EA	10' To 12' Archontophoenix cunninghamiana - King Palm.....	240.42
32 93 43 00-0666	EA	10' To 16' Sabal palmetto - Cabbage Palm.....	140.83
32 93 43 00-0667	EA	12' To 16' Cocos nucifera - Coconut Palm.....	384.08
32 93 43 00-0668	EA	3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm.....	191.25
32 93 43 00-0669	EA	5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm.....	300.53
32 93 43 00-0670	EA	3' To 4' Chamaerops humilis - European Fan Palm.....	163.93
32 93 43 00-0671	EA	5' To 6' Chamaerops humilis - European Fan Palm.....	218.57
32 93 43 00-0672	EA	7' To 8' Chamaerops humilis - European Fan Palm.....	509.99
32 93 43 00-0673	EA	9' To 10' Chamaerops humilis - European Fan Palm.....	874.27
32 93 43 00-0674	EA	6' To 7' Thrinax morrisii - Key Thatch Palm.....	382.49
32 93 43 00-0675	EA	8' To 9' Thrinax morrisii - Key Thatch Palm.....	491.78
32 93 43 00-0676	EA	10' To 11' Thrinax morrisii - Key Thatch Palm.....	601.06
32 93 43 00-0677	EA	4' To 5' Rhaps excelsa - Lady Palm.....	346.07
32 93 43 00-0678	EA	6' To 7' Rhaps excelsa - Lady Palm.....	491.78
32 93 43 00-0679	EA	6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	127.50
32 93 43 00-0680	EA	8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	255.00
32 93 43 00-0681	EA	10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	327.85
32 93 43 00-0682	EA	12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	455.35
32 93 43 00-0683	EA	4' To 5' Arecastrum romanzoffianum - Queen Palm.....	68.30
32 93 43 00-0684	EA	6' To 8' Arecastrum romanzoffianum - Queen Palm.....	95.62
32 93 43 00-0685	EA	8' To 10' Arecastrum romanzoffianum - Queen Palm.....	122.94
32 93 43 00-0686	EA	10' To 12' Arecastrum romanzoffianum - Queen Palm.....	150.27
32 93 43 00-0687	EA	12' To 14' Arecastrum romanzoffianum - Queen Palm.....	182.14
32 93 43 00-0688	EA	14' To 16' Arecastrum romanzoffianum - Queen Palm.....	227.68
32 93 43 00-0689	EA	8' To 9' Roystonea regia - Royal Palm.....	278.67
32 93 43 00-0690	EA	10' To 11' Roystonea regia - Royal Palm.....	340.60
32 93 43 00-0691	EA	12' To 13' Roystonea regia - Royal Palm.....	402.53
32 93 43 00-0692	EA	14' To 15' Roystonea regia - Royal Palm.....	464.46
32 93 43 00-0693	EA	16' To 17' Roystonea regia - Royal Palm.....	526.38
32 93 43 00-0694	EA	18' To 19' Roystonea regia - Royal Palm.....	588.31
32 93 43 00-0695	EA	20' To 21' Roystonea regia - Royal Palm.....	650.24
32 93 43 00-0696	EA	9' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	136.60
32 93 43 00-0697	EA	11' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	227.68
32 93 43 00-0698	EA	15' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	346.07
32 93 43 00-0699	EA	17' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	391.60
32 93 43 00-0700	EA	20' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	455.35
32 93 43 00-0701	EA	4' To 5' Bauninia blakeana - Hong Kong Orchid.....	391.60
32 93 43 00-0702	EA	6' Bauninia blakeana - Hong Kong Orchid.....	464.46
32 93 43 00-0703	EA	8' Bauninia blakeana - Hong Kong Orchid.....	619.28
32 93 43 00-0704	EA	10' Bauninia blakeana - Hong Kong Orchid.....	774.10
32 93 43 00-0705	EA	4' To 5' Acacia baileyana - Bailey Acacia.....	210.10
32 93 43 00-0706	EA	6' Acacia baileyana - Bailey Acacia.....	252.12
32 93 43 00-0707	EA	8' Acacia baileyana - Bailey Acacia.....	294.14
32 93 43 00-0708	EA	10' Acacia baileyana - Bailey Acacia.....	367.68
32 93 43 00-0709	EA	6' Agonis flexuosa - Peppermint Tree.....	126.06
32 93 43 00-0710	EA	8' Agonis flexuosa - Peppermint Tree.....	157.58
32 93 43 00-0711	EA	10' Agonis flexuosa - Peppermint Tree.....	189.09
32 93 43 00-0712	EA	24" Box Agonis flexuosa - Peppermint Tree.....	157.05
32 93 43 00-0713	EA	6' Bauhinia purpurea - Purple Orchid Tree.....	491.78
32 93 43 00-0714	EA	8' Bauhinia purpurea - Purple Orchid Tree.....	655.70
32 93 43 00-0715	EA	10' Bauhinia purpurea - Purple Orchid Tree.....	819.63
32 93 43 00-0716	EA	24" Box Bauhinia purpurea - Purple Orchid Tree.....	213.10
32 93 43 00-0717	EA	6' Bauhinia variegata candida - White Orchid Tree.....	546.42
32 93 43 00-0718	EA	8' Bauhinia variegata candida - White Orchid Tree.....	728.56
32 93 43 00-0719	EA	10' Bauhinia variegata candida - White Orchid Tree.....	910.70
32 93 43 00-0720	EA	6' Callistemon citrinus - Crimson or Lemon Bottle Brush.....	283.64
32 93 43 00-0721	EA	8' Callistemon citrinus - Crimson or Lemon Bottle Brush.....	378.18
32 93 43 00-0722	EA	10' Callistemon citrinus - Crimson or Lemon Bottle Brush.....	472.72
32 93 43 00-0723	EA	6' Eriobotrya deflexa - Bronze Loquat.....	491.78
32 93 43 00-0724	EA	8' Eriobotrya deflexa - Bronze Loquat.....	655.70
32 93 43 00-0725	EA	10' Eriobotrya deflexa - Bronze Loquat.....	819.63
32 93 43 00-0726	EA	6' Eucalyptus erythrocorys - Red Cap Gum.....	491.78
32 93 43 00-0727	EA	8' Eucalyptus erythrocorys - Red Cap Gum.....	655.70
32 93 43 00-0728	EA	10' Eucalyptus erythrocorys - Red Cap Gum.....	819.63
32 93 43 00-0729	EA	6' Eucalyptus torquala - Coral Gum.....	491.78
32 93 43 00-0730	EA	8' Eucalyptus torquala - Coral Gum.....	655.70
32 93 43 00-0731	EA	10' Eucalyptus torquala - Coral Gum.....	819.63
32 93 43 00-0732	EA	8' Fraxinus oxycarpa "Raywood" - Raywood Ash.....	294.14
32 93 43 00-0733	EA	10' Fraxinus oxycarpa "Raywood" - Raywood Ash.....	399.19
32 93 43 00-0734	EA	12' Fraxinus oxycarpa "Raywood" - Raywood Ash.....	493.74
32 93 43 00-0735	EA	1 Gallon Washingtonia robusta - Mexican Fan Palm.....	8.69
32 93 43 00-0736	EA	5 Gallon Washingtonia robusta - Mexican Fan Palm.....	27.04
32 93 43 00-0737	EA	15 Gallon Washingtonia robusta - Mexican Fan Palm.....	94.63
32 93 43 00-0738	EA	24" Box Washingtonia robusta - Mexican Fan Palm.....	309.01
32 93 43 00-0739	EA	36" Box Washingtonia robusta - Mexican Fan Palm.....	820.80

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 43 00-0740	EA	6' Washingtonia robusta - Mexican Fan Palm.....	491.78	
32 93 43 00-0741	EA	8' Washingtonia robusta - Mexican Fan Palm.....	655.70	
32 93 43 00-0742	EA	10' Washingtonia robusta - Mexican Fan Palm.....	819.63	
32 93 43 00-0743	EA	12' Washingtonia robusta - Mexican Fan Palm.....	983.56	
32 93 43 00-0744	EA	6' Olea europaea - Olive "Fruitless".....	359.32	
32 93 43 00-0745	EA	8' Olea europaea - Olive "Fruitless".....	479.09	
32 93 43 00-0746	EA	10' Olea europaea - Olive "Fruitless".....	598.86	
32 93 43 00-0747	EA	12' Olea europaea - Olive "Fruitless".....	718.63	
32 93 43 00-0748	EA	24" Box Olea europaea - Olive "Fruitless".....	441.83	
32 93 43 00-0749	EA	6' Eucalyptus polyanthemos - Silver Dollar Gum.....	491.78	
32 93 43 00-0750	EA	8' Eucalyptus polyanthemos - Silver Dollar Gum.....	655.70	
32 93 43 00-0751	EA	10' Eucalyptus polyanthemos - Silver Dollar Gum.....	819.63	
32 93 43 00-0752	EA	6' Eucalyptus leucoxylon - White Ironbark.....	491.78	
32 93 43 00-0753	EA	8' Eucalyptus leucoxylon - White Ironbark.....	655.70	
32 93 43 00-0754	EA	10' Eucalyptus leucoxylon - White Ironbark.....	819.63	
32 93 43 00-0755	EA	12' Eucalyptus leucoxylon - White Ironbark.....	983.56	
32 93 43 00-0756	EA	6' Callistemon viminalis - Weeping Bottle Brush.....	283.64	
32 93 43 00-0757	EA	8' Callistemon viminalis - Weeping Bottle Brush.....	378.18	
32 93 43 00-0758	EA	10' Callistemon viminalis - Weeping Bottle Brush.....	472.72	
32 93 43 00-0759	EA	12' Callistemon viminalis - Weeping Bottle Brush.....	567.27	
32 93 43 00-0760	EA	6' Eucalyptus gunnii - Cider Gum.....	491.78	
32 93 43 00-0761	EA	8' Eucalyptus gunnii - Cider Gum.....	655.70	
32 93 43 00-0762	EA	10' Eucalyptus gunnii - Cider Gum.....	819.63	
32 93 43 00-0763	EA	6' Jacarandra acutifolia - Jacaranda.....	491.78	
32 93 43 00-0764	EA	8' Jacarandra acutifolia - Jacaranda.....	655.70	
32 93 43 00-0765	EA	10' Jacarandra acutifolia - Jacaranda.....	819.63	
32 93 43 00-0766	EA	24" Box Jacarandra acutifolia - Jacaranda.....	213.10	
32 93 43 00-0767	EA	5 Gallon Pistacia chinensis - Chinese Pistache.....	32.79	
32 93 43 00-0768	EA	15 Gallon Pistacia chinensis - Chinese Pistache.....	109.28	
32 93 43 00-0769	EA	24" Box Pistacia chinensis - Chinese Pistache.....	424.39	
32 93 43 00-0770	EA	36" Box Pistacia chinensis - Chinese Pistache.....	1,129.27	
32 93 43 00-0771	EA	48" Box Pistacia chinensis - Chinese Pistache.....	2,404.25	
32 93 43 00-0772	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Single.....	19.54	
32 93 43 00-0773	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Single.....	65.13	
32 93 43 00-0774	EA	24" Box Pyrus kawakamii - Evergreen Pear, Single.....	244.77	
32 93 43 00-0775	EA	30" Box Pyrus kawakamii - Evergreen Pear, Single.....	447.51	
32 93 43 00-0776	EA	36" Box Pyrus kawakamii - Evergreen Pear, Single.....	651.31	
32 93 43 00-0777	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Multi.....	19.54	
32 93 43 00-0778	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Multi.....	69.33	
32 93 43 00-0779	EA	24" Box Pyrus kawakamii - Evergreen Pear, Multi.....	252.12	
32 93 43 00-0780	EA	30" Box Pyrus kawakamii - Evergreen Pear, Multi.....	447.51	
32 93 43 00-0781	EA	36" Box Pyrus kawakamii - Evergreen Pear, Multi.....	651.31	

**32 93 63 Specialty Plants (32 93)****32 93 63 00-0001 Specialty Plants In Place (32 93 63)**

Note: Includes plant and placement for ground cover, ornamental annuals, perennials, ornamental shrubs: standard species and varieties and trees: Eucalyptus-20 species/varieties, Melaleuca Lacadendron, Prunus Persica, Olea Eurpoa, Tristania Conferta, Podocarpus Gracilior, Bauhinia Varigata, Ulmus Parvifolia, Platenus Acerifolia, Pinus Canariensis, Pinus Pinea, Pinus Halepensis, Prunus Persica "Helen Borcher", Cinnamomum Camphora, Magnolia Grandiflora, Ficus Nitida, Ficus Retusa, Ficus Benjamina, Ginkgo Biloba, Hymenosporum Flavum, Jacaranda Mimsifolia, Etc.

32 93 63 00-0002	EA	7 Gallon Trees And Ornamental Shrubs.....	189.22	
32 93 63 00-0003	EA	10 Gallon Trees And Ornamental Shrubs.....	290.67	
32 93 63 00-0004	EA	15 Gallon Trees And Ornamental Shrubs.....	381.02	
32 93 63 00-0005	EA	20" Box Container Trees And Ornamental Shrubs.....	500.60	
32 93 63 00-0006	EA	24" Box Container Trees And Ornamental Shrubs.....	696.75	
32 93 63 00-0007	EA	30" Box Container Trees.....	1,380.61	
32 93 63 00-0008	EA	36" Box Container Trees.....	2,144.60	
32 93 63 00-0009	EA	48" Box Container Trees.....	4,454.07	
32 93 63 00-0010	EA	60" Box Container Trees.....	7,377.82	
32 93 63 00-0011	EA	72" Box Container Trees.....	12,371.25	
32 93 63 00-0012	EA	1 Gallon Ground Cover, Ornamental Annuals, Perennials.....	33.56	
32 93 63 00-0013	EA	2 Gallon Ground Cover, Ornamental Annuals, Perennials.....	67.68	
32 93 63 00-0014	EA	3 Gallon Ground Cover, Ornamental Annuals, Perennials.....	78.18	
32 93 63 00-0015	EA	5 Gallon Ground Cover, Ornamental Annuals, Perennials.....	106.00	
32 93 63 00-0016	EA	"Flat" Size Ground Cover, Ornamental Annuals, Perennials.....	106.00	

**32 93 83 Planting of Trees, Shrubs and Ground Cover (32 93)**

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

**32 93 83 00-0001 Planting Trees (32 93 83)**

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting.....	1.23	
32 93 83 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting.....	1.99	
32 93 83 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting.....	2.48	
32 93 83 00-0005	EA	17" To 24" Bare Root Seedlings Tree Planting.....	3.97	



		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0006 EA 1 Gallon Container Tree Planting.....	19.84	
For >10 To 25, Deduct	-0.99	
For >25 To 50, Deduct	-2.48	
For >50 To 100, Deduct	-3.97	
For >100, Deduct	-5.95	
32 93 83 00-0007 EA 2 Gallon Container Tree Planting.....	27.77	
For >10 To 25, Deduct	-1.39	
For >25 To 50, Deduct	-3.47	
For >50 To 100, Deduct	-5.55	
For >100, Deduct	-8.33	
32 93 83 00-0008 EA 3 Gallon Container Tree Planting.....	35.70	
For >10 To 25, Deduct	-1.79	
For >25 To 50, Deduct	-4.46	
For >50 To 100, Deduct	-7.14	
For >100, Deduct	-10.71	
32 93 83 00-0009 EA 5 Gallon Container Tree Planting.....	59.51	
For >10 To 25, Deduct	-2.98	
For >25 To 50, Deduct	-7.44	
For >50 To 100, Deduct	-11.90	
For >100, Deduct	-17.85	
32 93 83 00-0010 EA 7 Gallon Container Tree Planting.....	79.34	
For >10 To 25, Deduct	-3.97	
For >25 To 50, Deduct	-9.92	
For >50 To 100, Deduct	-15.87	
For >100, Deduct	-23.80	
32 93 83 00-0011 EA 10 Gallon Container Tree Planting.....	103.15	
For >10 To 25, Deduct	-5.16	
For >25 To 50, Deduct	-12.89	
For >50 To 100, Deduct	-20.63	
For >100, Deduct	-30.95	
32 93 83 00-0012 EA 15 Gallon Container Tree Planting.....	146.79	
For >10 To 25, Deduct	-7.34	
For >25 To 50, Deduct	-18.35	
For >50 To 100, Deduct	-29.36	
For >100, Deduct	-44.04	
32 93 83 00-0013 EA 20 Gallon Container Tree Planting.....	242.01	
For >10 To 25, Deduct	-12.10	
For >25 To 50, Deduct	-30.25	
For >50 To 100, Deduct	-48.40	
For >100, Deduct	-72.60	
32 93 83 00-0014 EA 25 Gallon Container Tree Planting.....	313.42	
For >10 To 25, Deduct	-15.67	
For >25 To 50, Deduct	-39.18	
For >50 To 100, Deduct	-62.68	
For >100, Deduct	-94.03	
32 93 83 00-0015 EA 30 Gallon Container Tree Planting.....	376.90	
For >10 To 25, Deduct	-18.85	
For >25 To 50, Deduct	-47.11	
For >50 To 100, Deduct	-75.38	
For >100, Deduct	-113.07	
32 93 83 00-0016 EA 45 Gallon Container Tree Planting.....	468.15	
For >10 To 25, Deduct	-23.41	
For >25 To 50, Deduct	-58.52	
For >50 To 100, Deduct	-93.63	
For >100, Deduct	-140.45	
32 93 83 00-0017 EA 65 Gallon Container Tree Planting.....	555.43	
For >10 To 25, Deduct	-27.77	
For >25 To 50, Deduct	-69.43	
For >50 To 100, Deduct	-111.09	
For >100, Deduct	-166.63	
32 93 83 00-0018 EA 6' Balled And Burlapped Tree Planting .....	198.37	
For >10 To 25, Deduct	-9.92	
For >25 To 50, Deduct	-24.80	
For >50 To 100, Deduct	-39.67	
For >100, Deduct	-59.51	
32 93 83 00-0019 EA 7' Balled And Burlapped Tree Planting .....	264.23	
For >10 To 25, Deduct	-13.21	
For >25 To 50, Deduct	-33.03	
For >50 To 100, Deduct	-52.85	
For >100, Deduct	-79.27	
32 93 83 00-0020 EA 8' Balled And Burlapped Tree Planting .....	297.55	
For >10 To 25, Deduct	-14.88	
For >25 To 50, Deduct	-37.19	
For >50 To 100, Deduct	-59.51	
For >100, Deduct	-89.27	
32 93 83 00-0021 EA 10' Balled And Burlapped Tree Planting .....	347.15	
For >10 To 25, Deduct	-17.36	
For >25 To 50, Deduct	-43.39	
For >50 To 100, Deduct	-69.43	
For >100, Deduct	-104.15	
32 93 83 00-0022 EA 12' Balled And Burlapped Tree Planting .....	464.18	
For >10 To 25, Deduct	-23.21	
For >25 To 50, Deduct	-58.02	
For >50 To 100, Deduct	-92.84	
For >100, Deduct	-139.25	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0023 EA 14' Balled And Burlapped Tree Planting .....	531.63	
For >10 To 25, Deduct	-26.58	
For >25 To 50, Deduct	-66.45	
For >50 To 100, Deduct	-106.33	
For >100, Deduct	-159.49	
32 93 83 00-0024 EA 16' Balled And Burlapped Tree Planting .....	644.70	
For >10 To 25, Deduct	-32.24	
For >25 To 50, Deduct	-80.59	
For >50 To 100, Deduct	-128.94	
For >100, Deduct	-193.41	
32 93 83 00-0025 EA 18' Balled And Burlapped Tree Planting .....	773.64	
For >10 To 25, Deduct	-38.68	
For >25 To 50, Deduct	-96.71	
For >50 To 100, Deduct	-154.73	
For >100, Deduct	-232.09	
32 93 83 00-0026 EA 20' Balled And Burlapped Tree Planting .....	892.66	
For >10 To 25, Deduct	-44.63	
For >25 To 50, Deduct	-111.58	
For >50 To 100, Deduct	-178.53	
For >100, Deduct	-267.80	
32 93 83 00-0027 EA 1-1/2" Caliper Balled And Burlapped Tree Planting .....	297.55	
For >10 To 25, Deduct	-14.88	
For >25 To 50, Deduct	-37.19	
For >50 To 100, Deduct	-59.51	
For >100, Deduct	-89.27	
32 93 83 00-0028 EA 2" Caliper Balled And Burlapped Tree Planting .....	347.15	
For >10 To 25, Deduct	-17.36	
For >25 To 50, Deduct	-43.39	
For >50 To 100, Deduct	-69.43	
For >100, Deduct	-104.15	
32 93 83 00-0029 EA 2-1/2" Caliper Balled And Burlapped Tree Planting .....	466.17	
For >10 To 25, Deduct	-23.31	
For >25 To 50, Deduct	-58.27	
For >50 To 100, Deduct	-93.23	
For >100, Deduct	-139.85	
32 93 83 00-0030 EA 3" Caliper Balled And Burlapped Tree Planting .....	535.59	
For >10 To 25, Deduct	-26.78	
For >25 To 50, Deduct	-66.95	
For >50 To 100, Deduct	-107.12	
For >100, Deduct	-160.68	
32 93 83 00-0031 EA 3-1/2" Caliper Balled And Burlapped Tree Planting .....	595.11	
For >10 To 25, Deduct	-29.76	
For >25 To 50, Deduct	-74.39	
For >50 To 100, Deduct	-119.02	
For >100, Deduct	-178.53	
32 93 83 00-0032 EA 4" Caliper Balled And Burlapped Tree Planting .....	682.38	
For >10 To 25, Deduct	-34.12	
For >25 To 50, Deduct	-85.30	
For >50 To 100, Deduct	-136.48	
For >100, Deduct	-204.71	
32 93 83 00-0033 EA 24" Box Container Tree Planting.....	103.15	
For >10 To 25, Deduct	-5.16	
For >25 To 50, Deduct	-12.89	
For >50 To 100, Deduct	-20.63	
For >100, Deduct	-30.95	
32 93 83 00-0034 EA 36" Box Container Tree Planting.....	313.42	
For >10 To 25, Deduct	-15.67	
For >25 To 50, Deduct	-39.18	
For >50 To 100, Deduct	-62.68	
For >100, Deduct	-94.03	
32 93 83 00-0035 EA 48" Box Container Tree Planting.....	555.43	
For >10 To 25, Deduct	-27.77	
For >25 To 50, Deduct	-69.43	
For >50 To 100, Deduct	-111.09	
For >100, Deduct	-166.63	
32 93 83 00-0036 EA 60" Box Container Tree Planting.....	658.58	
For >10 To 25, Deduct	-32.93	
For >25 To 50, Deduct	-82.32	
For >50 To 100, Deduct	-131.72	
For >100, Deduct	-197.57	
32 93 83 00-0037 EA 72" Box Container Tree Planting.....	793.48	
For >10 To 25, Deduct	-39.67	
For >25 To 50, Deduct	-99.19	
For >50 To 100, Deduct	-158.70	
For >100, Deduct	-238.04	
<b>32 93 83 00-0038 Planting Shrubs <small>(32 93 83)</small></b>		
Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0039 EA 1 Gallon Container Shrub Planting.....	16.87	
For >10 To 25, Deduct	-0.84	
For >25 To 50, Deduct	-2.11	
For >50 To 100, Deduct	-3.37	
For >100, Deduct	-5.06	



		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0040 EA 2 Gallon Container Shrub Planting .....	23.80	
For >10 To 25, Deduct	-1.19	
For >25 To 50, Deduct	-2.98	
For >50 To 100, Deduct	-4.76	
For >100, Deduct	-7.14	
32 93 83 00-0041 EA 3 Gallon Container Shrub Planting .....	29.76	
For >10 To 25, Deduct	-1.49	
For >25 To 50, Deduct	-3.72	
For >50 To 100, Deduct	-5.95	
For >100, Deduct	-8.93	
32 93 83 00-0042 EA 4 Gallon Container Shrub Planting .....	39.68	
For >10 To 25, Deduct	-1.98	
For >25 To 50, Deduct	-4.96	
For >50 To 100, Deduct	-7.94	
For >100, Deduct	-11.90	
32 93 83 00-0043 EA 5 Gallon Container Shrub Planting .....	49.60	
For >10 To 25, Deduct	-2.48	
For >25 To 50, Deduct	-6.20	
For >50 To 100, Deduct	-9.92	
For >100, Deduct	-14.88	
32 93 83 00-0044 EA 7 Gallon Container Shrub Planting .....	67.45	
For >10 To 25, Deduct	-3.37	
For >25 To 50, Deduct	-8.43	
For >50 To 100, Deduct	-13.49	
For >100, Deduct	-20.24	
32 93 83 00-0045 EA 10 Gallon Container Shrub Planting .....	89.26	
For >10 To 25, Deduct	-4.46	
For >25 To 50, Deduct	-11.16	
For >50 To 100, Deduct	-17.85	
For >100, Deduct	-26.78	
32 93 83 00-0046 EA 15 Gallon Container Shrub Planting .....	122.99	
For >10 To 25, Deduct	-6.15	
For >25 To 50, Deduct	-15.37	
For >50 To 100, Deduct	-24.60	
For >100, Deduct	-36.90	
32 93 83 00-0047 EA 20 Gallon Container Shrub Planting .....	206.31	
For >10 To 25, Deduct	-10.32	
For >25 To 50, Deduct	-25.79	
For >50 To 100, Deduct	-41.26	
For >100, Deduct	-61.89	
32 93 83 00-0048 EA 25 Gallon Container Shrub Planting .....	264.23	
For >10 To 25, Deduct	-13.21	
For >25 To 50, Deduct	-33.03	
For >50 To 100, Deduct	-52.85	
For >100, Deduct	-79.27	
32 93 83 00-0049 EA 15" Balled And Burlapped Shrub Planting .....	55.54	
For >10 To 25, Deduct	-2.78	
For >25 To 50, Deduct	-6.94	
For >50 To 100, Deduct	-11.11	
For >100, Deduct	-16.66	
32 93 83 00-0050 EA 18" Balled And Burlapped Shrub Planting .....	57.53	
For >10 To 25, Deduct	-2.88	
For >25 To 50, Deduct	-7.19	
For >50 To 100, Deduct	-11.51	
For >100, Deduct	-17.26	
32 93 83 00-0051 EA 24" Balled And Burlapped Shrub Planting .....	63.48	
For >10 To 25, Deduct	-3.17	
For >25 To 50, Deduct	-7.94	
For >50 To 100, Deduct	-12.70	
For >100, Deduct	-19.04	
32 93 83 00-0052 EA 30" Balled And Burlapped Shrub Planting .....	63.48	
For >10 To 25, Deduct	-3.17	
For >25 To 50, Deduct	-7.94	
For >50 To 100, Deduct	-12.70	
For >100, Deduct	-19.04	
32 93 83 00-0053 EA 36" Balled And Burlapped Shrub Planting .....	69.43	
For >10 To 25, Deduct	-3.47	
For >25 To 50, Deduct	-8.68	
For >50 To 100, Deduct	-13.89	
For >100, Deduct	-20.83	
32 93 83 00-0054 EA 42" Balled And Burlapped Shrub Planting .....	73.40	
For >10 To 25, Deduct	-3.67	
For >25 To 50, Deduct	-9.18	
For >50 To 100, Deduct	-14.68	
For >100, Deduct	-22.02	
32 93 83 00-0055 EA 48" Balled And Burlapped Shrub Planting .....	79.34	
For >10 To 25, Deduct	-3.97	
For >25 To 50, Deduct	-9.92	
For >50 To 100, Deduct	-15.87	
For >100, Deduct	-23.80	
32 93 83 00-0056 EA 5' Balled And Burlapped Shrub Planting .....	119.02	
For >10 To 25, Deduct	-5.95	
For >25 To 50, Deduct	-14.88	
For >50 To 100, Deduct	-23.80	
For >100, Deduct	-35.71	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0057	EA		6' Balled And Burlapped Shrub Planting .....	168.62	
			<i>For &gt;10 To 25, Deduct</i>	-8.43	
			<i>For &gt;25 To 50, Deduct</i>	-21.08	
			<i>For &gt;50 To 100, Deduct</i>	-33.72	
			<i>For &gt;100, Deduct</i>	-50.59	
32 93 83 00-0058	EA		7' Balled And Burlapped Shrub Planting .....	224.16	
			<i>For &gt;10 To 25, Deduct</i>	-11.21	
			<i>For &gt;25 To 50, Deduct</i>	-28.02	
			<i>For &gt;50 To 100, Deduct</i>	-44.83	
			<i>For &gt;100, Deduct</i>	-67.25	
32 93 83 00-0059	EA		8' Balled And Burlapped Shrub Planting .....	253.92	
			<i>For &gt;10 To 25, Deduct</i>	-12.70	
			<i>For &gt;25 To 50, Deduct</i>	-31.74	
			<i>For &gt;50 To 100, Deduct</i>	-50.78	
			<i>For &gt;100, Deduct</i>	-76.18	
32 93 83 00-0060	EA		9' Balled And Burlapped Shrub Planting .....	273.75	
			<i>For &gt;10 To 25, Deduct</i>	-13.69	
			<i>For &gt;25 To 50, Deduct</i>	-34.22	
			<i>For &gt;50 To 100, Deduct</i>	-54.75	
			<i>For &gt;100, Deduct</i>	-82.13	
32 93 83 00-0061	EA		10' Balled And Burlapped Shrub Planting .....	297.55	
			<i>For &gt;10 To 25, Deduct</i>	-14.88	
			<i>For &gt;25 To 50, Deduct</i>	-37.19	
			<i>For &gt;50 To 100, Deduct</i>	-59.51	
			<i>For &gt;100, Deduct</i>	-89.27	
<b>32 93 83 00-0062</b>			<b>Planting Groundcover, Vines, Perennials, Annuals And Bulbs</b> <small>(32 93 83)</small>		
			See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0063	EA		2-1/4" Diameter Potted Groundcover And Flower Planting .....	1.66	
			<i>For &gt;10 To 25, Deduct</i>	-0.08	
			<i>For &gt;25 To 50, Deduct</i>	-0.21	
			<i>For &gt;50 To 100, Deduct</i>	-0.33	
			<i>For &gt;100, Deduct</i>	-0.50	
32 93 83 00-0064	EA		3" Diameter Potted Groundcover And Flower Planting .....	1.89	
			<i>For &gt;10 To 25, Deduct</i>	-0.09	
			<i>For &gt;25 To 50, Deduct</i>	-0.24	
			<i>For &gt;50 To 100, Deduct</i>	-0.38	
			<i>For &gt;100, Deduct</i>	-0.57	
32 93 83 00-0065	EA		4" Diameter Potted Groundcover And Flower Planting .....	2.21	
			<i>For &gt;10 To 25, Deduct</i>	-0.11	
			<i>For &gt;25 To 50, Deduct</i>	-0.28	
			<i>For &gt;50 To 100, Deduct</i>	-0.44	
			<i>For &gt;100, Deduct</i>	-0.66	
32 93 83 00-0066	EA		5-1/2" Diameter Potted Groundcover And Flower Planting .....	2.64	
			<i>For &gt;10 To 25, Deduct</i>	-0.13	
			<i>For &gt;25 To 50, Deduct</i>	-0.33	
			<i>For &gt;50 To 100, Deduct</i>	-0.53	
			<i>For &gt;100, Deduct</i>	-0.79	
32 93 83 00-0067	EA		6" Diameter Potted Groundcover And Flower Planting .....	3.30	
			<i>For &gt;10 To 25, Deduct</i>	-0.17	
			<i>For &gt;25 To 50, Deduct</i>	-0.41	
			<i>For &gt;50 To 100, Deduct</i>	-0.66	
			<i>For &gt;100, Deduct</i>	-0.99	
32 93 83 00-0068	EA		8" Diameter Potted Groundcover And Flower Planting .....	4.96	
			<i>For &gt;10 To 25, Deduct</i>	-0.25	
			<i>For &gt;25 To 50, Deduct</i>	-0.62	
			<i>For &gt;50 To 100, Deduct</i>	-0.99	
			<i>For &gt;100, Deduct</i>	-1.49	
32 93 83 00-0069	EA		1 Gallon Container Groundcover And Flower Planting .....	15.87	
			<i>For &gt;10 To 25, Deduct</i>	-0.79	
			<i>For &gt;25 To 50, Deduct</i>	-1.98	
			<i>For &gt;50 To 100, Deduct</i>	-3.17	
			<i>For &gt;100, Deduct</i>	-4.76	
32 93 83 00-0070	EA		2 Gallon Container Groundcover And Flower Planting .....	21.82	
			<i>For &gt;10 To 25, Deduct</i>	-1.09	
			<i>For &gt;25 To 50, Deduct</i>	-2.73	
			<i>For &gt;50 To 100, Deduct</i>	-4.36	
			<i>For &gt;100, Deduct</i>	-6.55	
32 93 83 00-0071	EA		3 Gallon Container Groundcover And Flower Planting .....	27.77	
			<i>For &gt;10 To 25, Deduct</i>	-1.39	
			<i>For &gt;25 To 50, Deduct</i>	-3.47	
			<i>For &gt;50 To 100, Deduct</i>	-5.55	
			<i>For &gt;100, Deduct</i>	-8.33	
32 93 83 00-0072	EA		4 Gallon Container Groundcover And Flower Planting .....	35.70	
			<i>For &gt;10 To 25, Deduct</i>	-1.79	
			<i>For &gt;25 To 50, Deduct</i>	-4.46	
			<i>For &gt;50 To 100, Deduct</i>	-7.14	
			<i>For &gt;100, Deduct</i>	-10.71	
32 93 83 00-0073	EA		5 Gallon Container Groundcover And Flower Planting .....	43.64	
			<i>For &gt;10 To 25, Deduct</i>	-2.18	
			<i>For &gt;25 To 50, Deduct</i>	-5.46	
			<i>For &gt;50 To 100, Deduct</i>	-8.73	
			<i>For &gt;100, Deduct</i>	-13.09	



		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Plants	32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0074	EA		7 Gallon Container Groundcover And Flower Planting .....	59.51	
			<i>For &gt;10 To 25, Deduct</i>	-2.98	
			<i>For &gt;25 To 50, Deduct</i>	-7.44	
			<i>For &gt;50 To 100, Deduct</i>	-11.90	
			<i>For &gt;100, Deduct</i>	-17.85	
32 93 83 00-0075	EA		Bulb Planting.....	0.99	
			<i>For &gt;10 To 25, Deduct</i>	-0.05	
			<i>For &gt;25 To 50, Deduct</i>	-0.12	
			<i>For &gt;50 To 100, Deduct</i>	-0.20	
			<i>For &gt;100, Deduct</i>	-0.30	
32 93 83 00-0076	EA		Flats Of 24 Groundcover And Flower Planting.....	27.77	
			<i>For &gt;10 To 25, Deduct</i>	-1.39	
			<i>For &gt;25, Deduct</i>	-3.47	
32 93 83 00-0077	EA		Flats Of 36 Groundcover And Flower Planting.....	39.39	
			<i>For &gt;10 To 25, Deduct</i>	-1.97	
			<i>For &gt;25, Deduct</i>	-4.92	
32 93 83 00-0078	EA		Flats Of 48 Groundcover And Flower Planting.....	52.44	
			<i>For &gt;10 To 25, Deduct</i>	-2.62	
			<i>For &gt;25, Deduct</i>	-6.56	

**32 93 83 00-0079**

**Tree Pits** (32 93 83)

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.

32 93 83 00-0080	EA		2' x 1-1/4' Deep Tree Pit .....	107.51	
32 93 83 00-0081	EA		2' x 2-1/2' Deep Tree Pit .....	161.23	
32 93 83 00-0082	EA		2-1/2' x 1-1/2' Deep Tree Pit .....	208.61	
32 93 83 00-0083	EA		2-1/2' x 3' Deep Tree Pit .....	312.85	
32 93 83 00-0084	EA		3' x 1-3/4' Deep Tree Pit .....	321.36	
32 93 83 00-0085	EA		3' x 3-1/2' Deep Tree Pit .....	479.45	
32 93 83 00-0086	EA		3-1/2' x 1-3/4' Deep Tree Pit .....	393.40	
32 93 83 00-0087	EA		3-1/2' x 3-1/2' Deep Tree Pit .....	589.26	
32 93 83 00-0088	EA		4' x 2' Deep Tree Pit .....	470.08	
32 93 83 00-0089	EA		4' x 4' Deep Tree Pit .....	704.72	
32 93 83 00-0090	EA		4-1/2' x 2' Deep Tree Pit .....	676.04	
32 93 83 00-0091	EA		4-1/2' x 4' Deep Tree Pit .....	1,016.15	
32 93 83 00-0092	EA		5' x 2-1/4' Deep Tree Pit .....	899.25	
32 93 83 00-0093	EA		5' x 4-1/2' Deep Tree Pit .....	1,339.08	
32 93 83 00-0094	EA		6' x 2-1/2' Deep Tree Pit .....	1,275.34	
32 93 83 00-0095	EA		6' x 5' Deep Tree Pit .....	1,910.05	
32 93 83 00-0096	EA		7' x 3' Deep Tree Pit .....	2,148.06	
32 93 83 00-0097	EA		7' x 6' Deep Tree Pit .....	3,239.94	
32 93 83 00-0098	EA		8' x 3-1/4' Deep Tree Pit .....	2,951.86	
32 93 83 00-0099	EA		8' x 6-1/2' Deep Tree Pit .....	4,425.84	

**32 94 Planting Accessories** (32 90)

**32 94 13 Landscape Edging** (32 94)

Note: Including stakes.

**32 94 13 00-0001 Landscape Edging** (32 94 13)

Note: Includes stakes.

32 94 13 00-0002	LF		6" Poly/Vinyl Landscape Edging With Non-Round Top.....	5.52	1.02
			<i>For &gt;2,000 To 5,000 LF, Deduct</i>	-0.35	
			<i>For &gt;5,000 LF, Deduct</i>	-0.70	
32 94 13 00-0003	LF		5" Polyethylene Landscape Edging With Round Top.....	3.13	1.02
			<i>For &gt;2,000 To 5,000 LF, Deduct</i>	-0.11	
			<i>For &gt;5,000 LF, Deduct</i>	-0.22	
32 94 13 00-0004	LF		5-1/2" Polyethylene Landscape Edging With Round Top .....	3.19	1.02
			<i>For &gt;2,000 To 5,000 LF, Deduct</i>	-0.12	
			<i>For &gt;5,000 LF, Deduct</i>	-0.23	
32 94 13 00-0005	LF		5" Polyethylene Landscape Edging With Corrugated Sides And Round Top .....	3.23	1.02
			<i>For &gt;2,000 To 5,000 LF, Deduct</i>	-0.12	
			<i>For &gt;5,000 LF, Deduct</i>	-0.24	
32 94 13 00-0006	LF		1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging .....	9.25	2.41
			<i>For &gt;1,000 LF, Deduct</i>	-1.11	
32 94 13 00-0007	LF		1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging .....	10.16	2.41
			<i>For &gt;1,000 LF, Deduct</i>	-1.34	
32 94 13 00-0008	LF		1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	10.23	2.41
			<i>For &gt;1,000 LF, Deduct</i>	-1.36	
32 94 13 00-0009	LF		3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging .....	11.81	2.49
			<i>For &gt;1,000 LF, Deduct</i>	-1.72	
32 94 13 00-0010	LF		3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging .....	12.94	2.49
			<i>For &gt;1,000 LF, Deduct</i>	-2.00	
32 94 13 00-0011	LF		3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	12.92	2.49
			<i>For &gt;1,000 LF, Deduct</i>	-2.00	
32 94 13 00-0012	LF		1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging .....	10.42	2.57
			<i>For &gt;1,000 LF, Deduct</i>	-1.34	
32 94 13 00-0013	LF		1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging .....	11.68	2.57
			<i>For &gt;1,000 LF, Deduct</i>	-1.65	

**32 Exterior Improvements****32 90 Planting****32 94 Planting Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94	13 00-0014	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging..... <i>For &gt;1,000 LF, Deduct</i>	11.81 -1.69	2.57
32 94	13 00-0015	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging ..... <i>For &gt;1,000 LF, Deduct</i>	13.36 -2.04	2.65
32 94	13 00-0016	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging ..... <i>For &gt;1,000 LF, Deduct</i>	14.62 -2.35	2.65
32 94	13 00-0017	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging..... <i>For &gt;1,000 LF, Deduct</i>	14.72 -2.38	2.65
32 94	13 00-0018	LF	1/8" x 4" Powder Coated Steel Landscape Edging ..... <i>For &gt;1,000 LF, Deduct</i>	9.86 -1.22	2.49
32 94	13 00-0019	LF	3/16" x 4" Powder Coated Steel Landscape Edging ..... <i>For &gt;1,000 LF, Deduct</i>	11.71 -1.68	2.49
32 94	13 00-0020	LF	1/4" x 5" Powder Coated Steel Landscape Edging ..... <i>For &gt;1,000 LF, Deduct</i>	16.68 -2.92	2.49
32 94	13 00-0021	LF	1/2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)..... <i>For &gt;1,000 LF, Deduct</i>	7.24 -0.61	2.41
32 94	13 00-0022	LF	1" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)..... <i>For &gt;1,000 LF, Deduct</i>	8.35 -0.89	2.41
32 94	13 00-0023	LF	1" x 6", Recycled Plastic Landscape Edging (Bend-A-Board)..... <i>For &gt;1,000 LF, Deduct</i>	9.32 -1.13	2.41
32 94	13 00-0024	LF	2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)..... <i>For &gt;1,000 LF, Deduct</i>	9.52 -1.18	2.41

**32 94 16 Landscape Timbers (32 94)**

32 94	16 00-0001	LF	1" x 4" Redwood Edging .....	4.92	1.62
32 94	16 00-0002	LF	2" x 4" Redwood Edging .....	6.72	2.43
32 94	16 00-0003	LF	4" x 6" Pressure Treated Hardwood.....	9.57	3.24
32 94	16 00-0004	LF	6" x 6" Pressure Treated Hardwood.....	12.49	4.05
32 94	16 00-0005	LF	6" x 8" Pressure Treated Hardwood.....	14.56	4.76
32 94	16 00-0006	LF	1" x 4" Pressure Treated Pine.....	3.77	1.62
32 94	16 00-0007	LF	2" x 4" Pressure Treated Pine.....	5.70	2.43
32 94	16 00-0008	LF	4" x 6" Pressure Treated Pine.....	9.09	3.14
32 94	16 00-0009	LF	6" x 6" Pressure Treated Pine.....	12.39	4.05
32 94	16 00-0010	LF	6" x 8" Pressure Treated Pine.....	15.17	4.76
32 94	16 00-0011	LF	6" x 8" Railroad Ties .....	14.06	4.54
32 94	16 00-0012	LF	7" x 9" Railroad Ties .....	16.91	5.69

**32 94 23 Plant Protection (32 94)**

32 94	23 00-0001	SF	Tree Trunk Protection - Hardware Cloth 1/4" Mesh, 23 Gauge.....	2.33	
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**32 94 43 Tree Grates (32 94)****32 94 43 00-0001 Tree Grates With Frames (32 94 43)****32 94 43 00-0002 Round Cast Iron Tree Grates With Frames (32 94 43 00-0001)**

32 94	43 00-0003	EA	32" Diameter, 100 To 150 LB Cast Iron Tree Grate With Frame .....	1,013.15	59.62
			<i>For &gt;3 To 9, Deduct</i>	-67.04	
			<i>For &gt;9, Deduct</i>	-138.55	
32 94	43 00-0004	EA	36" Diameter, 125 To 175 LB Cast Iron Tree Grate With Frame .....	1,175.66	59.62
			<i>For &gt;3 To 9, Deduct</i>	-79.23	
			<i>For &gt;9, Deduct</i>	-163.75	
32 94	43 00-0005	EA	42" Diameter, 150 To 200 LB Cast Iron Tree Grate With Frame .....	1,418.57	79.50
			<i>For &gt;3 To 9, Deduct</i>	-94.47	
			<i>For &gt;9, Deduct</i>	-195.23	
32 94	43 00-0006	EA	48" Diameter, 200 To 250 LB Cast Iron Tree Grate With Frame .....	1,772.31	79.50
			<i>For &gt;3 To 9, Deduct</i>	-121.00	
			<i>For &gt;9, Deduct</i>	-250.06	
32 94	43 00-0007	EA	54" Diameter, 300 To 350 LB Cast Iron Tree Grate With Frame .....	2,273.34	99.37
			<i>For &gt;3 To 9, Deduct</i>	-155.60	
			<i>For &gt;9, Deduct</i>	-321.56	
32 94	43 00-0008	EA	60" Diameter, Up To 350 LB Cast Iron Tree Grate With Frame.....	2,380.00	119.24
			<i>For &gt;3 To 9, Deduct</i>	-160.61	
			<i>For &gt;9, Deduct</i>	-331.94	
32 94	43 00-0009	EA	60" Diameter, >350 LB Cast Iron Tree Grate With Frame .....	2,626.18	119.24
			<i>For &gt;3 To 9, Deduct</i>	-179.08	
			<i>For &gt;9, Deduct</i>	-370.10	
32 94	43 00-0010	EA	72" Diameter, Up To 550 LB Cast Iron Tree Grate With Frame.....	3,492.77	168.93
			<i>For &gt;3 To 9, Deduct</i>	-236.62	
			<i>For &gt;9, Deduct</i>	-489.01	
32 94	43 00-0011	EA	72" Diameter, >500 To 550 LB Cast Iron Tree Grate With Frame .....	3,636.18	168.93
			<i>For &gt;3 To 9, Deduct</i>	-247.38	
			<i>For &gt;9, Deduct</i>	-511.24	
32 94	43 00-0012	EA	72" Diameter, >600 To 650 LB Cast Iron Tree Grate With Frame .....	3,755.68	168.93
			<i>For &gt;3 To 9, Deduct</i>	-256.34	
			<i>For &gt;9, Deduct</i>	-529.77	
32 94	43 00-0013	EA	72" Diameter, >650 To 700 LB Cast Iron Tree Grate With Frame .....	3,851.29	168.93
			<i>For &gt;3 To 9, Deduct</i>	-263.51	
			<i>For &gt;9, Deduct</i>	-544.58	
32 94	43 00-0014	EA	72" Diameter, >700 LB Cast Iron Tree Grate With Frame .....	3,922.99	168.93
			<i>For &gt;3 To 9, Deduct</i>	-268.89	
			<i>For &gt;9, Deduct</i>	-555.70	





<b>Exterior Improvements</b>		<b>32</b>
Planting		32 90
Planting Accessories		32 94

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0015	EA		93" Diameter, 950 To 1,000 LB Cast Iron Tree Grate With Frame .....	4,298.11	198.73
			For >3 To 9, Deduct	-292.55	
			For >9, Deduct	-604.60	
<b>32 94 43 00-0016</b>			<b>Square Cast Iron Tree Grates With Frames</b> (32 94 43 00-0001)		
32 94 43 00-0017	EA		30" x 30", 75 To 125 LB Cast Iron Tree Grate With Frame.....	931.87	59.62
			For >3 To 9, Deduct	-60.95	
			For >9, Deduct	-125.96	
32 94 43 00-0018	EA		36" x 36", 100 To 150 LB Cast Iron Tree Grate With Frame.....	1,135.03	59.62
			For >3 To 9, Deduct	-76.18	
			For >9, Deduct	-157.45	
32 94 43 00-0019	EA		48" x 48", Up To 200 LB Cast Iron Tree Grate With Frame .....	1,680.59	99.37
			For >3 To 9, Deduct	-111.14	
			For >9, Deduct	-229.69	
32 94 43 00-0020	EA		48" x 48", >200 To 250 LB Cast Iron Tree Grate With Frame.....	1,991.31	99.37
			For >3 To 9, Deduct	-134.44	
			For >9, Deduct	-277.85	
32 94 43 00-0021	EA		48" x 48", >250 To 300 LB Cast Iron Tree Grate With Frame.....	2,278.12	99.37
			For >3 To 9, Deduct	-155.95	
			For >9, Deduct	-322.31	
32 94 43 00-0022	EA		48" x 48", >300 To 350 LB Cast Iron Tree Grate With Frame.....	2,541.03	99.37
			For >3 To 9, Deduct	-175.67	
			For >9, Deduct	-363.06	
32 94 43 00-0023	EA		48" x 48", >350 To 400 LB Cast Iron Tree Grate With Frame.....	2,780.04	99.37
			For >3 To 9, Deduct	-193.60	
			For >9, Deduct	-400.10	
32 94 43 00-0024	EA		48" x 48", >400 LB Cast Iron Tree Grate With Frame.....	2,995.15	99.37
			For >3 To 9, Deduct	-209.73	
			For >9, Deduct	-433.45	
32 94 43 00-0025	EA		60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame .....	2,859.54	139.12
			For >3 To 9, Deduct	-193.60	
			For >9, Deduct	-400.10	
32 94 43 00-0026	EA		60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame.....	3,074.65	139.12
			For >3 To 9, Deduct	-209.73	
			For >9, Deduct	-433.45	
32 94 43 00-0027	EA		60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame.....	3,265.85	139.12
			For >3 To 9, Deduct	-224.07	
			For >9, Deduct	-463.08	
32 94 43 00-0028	EA		60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame.....	3,433.16	139.12
			For >3 To 9, Deduct	-236.62	
			For >9, Deduct	-489.01	
32 94 43 00-0029	EA		60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame.....	3,576.57	139.12
			For >3 To 9, Deduct	-247.38	
			For >9, Deduct	-511.24	
32 94 43 00-0030	EA		60" x 60", >600 LB Cast Iron Tree Grate With Frame.....	3,696.07	139.12
			For >3 To 9, Deduct	-256.34	
			For >9, Deduct	-529.77	
32 94 43 00-0031	EA		72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame .....	3,492.77	168.93
			For >3 To 9, Deduct	-236.62	
			For >9, Deduct	-489.01	
32 94 43 00-0032	EA		72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame.....	3,636.18	168.93
			For >3 To 9, Deduct	-247.38	
			For >9, Deduct	-511.24	
32 94 43 00-0033	EA		72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame.....	3,755.68	168.93
			For >3 To 9, Deduct	-256.34	
			For >9, Deduct	-529.77	
32 94 43 00-0034	EA		72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame.....	3,851.29	168.93
			For >3 To 9, Deduct	-263.51	
			For >9, Deduct	-544.58	
32 94 43 00-0035	EA		72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame.....	3,922.99	168.93
			For >3 To 9, Deduct	-268.89	
			For >9, Deduct	-555.70	
32 94 43 00-0036	EA		72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame.....	3,970.79	168.93
			For >3 To 9, Deduct	-272.47	
			For >9, Deduct	-563.11	
32 94 43 00-0037	EA		72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame.....	3,994.69	168.93
			For >3 To 9, Deduct	-274.26	
			For >9, Deduct	-566.81	
32 94 43 00-0038	EA		72" x 72", >850 LB Cast Iron Tree Grate With Frame.....	4,018.59	168.93
			For >3 To 9, Deduct	-276.06	
			For >9, Deduct	-570.52	
<b>32 94 43 00-0039</b>			<b>Rectangular Cast Iron Tree Grates With Frames</b> (32 94 43 00-0001)		
32 94 43 00-0040	EA		36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame.....	1,772.31	79.50
			For >3 To 9, Deduct	-121.00	
			For >9, Deduct	-250.06	
32 94 43 00-0041	EA		36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame.....	1,808.16	79.50
			For >3 To 9, Deduct	-123.69	
			For >9, Deduct	-255.62	
32 94 43 00-0042	EA		36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame.....	2,208.80	99.37
			For >3 To 9, Deduct	-150.76	
			For >9, Deduct	-311.56	

**32 Exterior Improvements****32 90 Planting****32 94 Planting Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0043	EA		48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame .....	2,607.95	99.37
			<i>For &gt;3 To 9, Deduct</i>	-180.69	
			<i>For &gt;9, Deduct</i>	-373.43	
32 94 43 00-0044	EA		48" x 72", >350 LB Cast Iron Tree Grate With Frame .....	2,780.04	99.37
			<i>For &gt;3 To 9, Deduct</i>	-193.60	
			<i>For &gt;9, Deduct</i>	-400.10	
32 94 43 00-0045	EA		60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame .....	3,707.88	168.93
			<i>For &gt;3 To 9, Deduct</i>	-252.75	
			<i>For &gt;9, Deduct</i>	-522.36	

**32 94 49 Plant and Tree Accessories (32 94)****32 94 49 00-0001 Tree Guying (32 94 49)****32 94 49 00-0002 Tree Guying, Stakes (32 94 49 00-0001)**

Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.

32 94 49 00-0003	EA		Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap .....	24.13	
32 94 49 00-0004	EA		Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap .....	41.24	
32 94 49 00-0005	EA		Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap .....	70.98	

**32 94 49 00-0006 Tree Guying, Anchors (32 94 49 00-0001)**

Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.

32 94 49 00-0007	EA		Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope .....	104.19	
32 94 49 00-0008	EA		Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope .....	140.89	
32 94 49 00-0009	EA		Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope .....	181.86	
32 94 49 00-0010	EA		Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope .....	232.79	

**32 94 49 00-0011 Tree Wrap (32 94 49)**

32 94 49 00-0012	EA		Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree .....	6.10	
32 94 49 00-0013	EA		Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree .....	10.22	
32 94 49 00-0014	EA		Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree .....	20.40	
32 94 49 00-0015	EA		Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree .....	31.93	

**32 94 49 00-0016 Tree Guards (32 94 49)**

32 94 49 00-0017	EA		3' Preformed Plastic Tree Guard .....	9.91	
32 94 49 00-0018	EA		2' Preformed Plastic Tree Guard .....	9.12	

**32 94 49 00-0019 Stake Out Tree And Shrub Locations (32 94 49)**

Note: When no design available.

32 94 49 00-0020	EA		Stake Out Trees Or Shrubs .....	6.05	
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**32 94 49 00-0021 Root Barriers (32 94 49)**

32 94 49 00-0022	EA		12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner .....	11.76	
32 94 49 00-0023	EA		18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner .....	16.91	
32 94 49 00-0024	EA		24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner .....	20.03	
32 94 49 00-0025	EA		36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner .....	38.08	
32 94 49 00-0026	EA		48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner .....	52.82	

**32 96 Transplanting (32 90)**

See CSI section 32 94 49 00-0001 for guying.

**32 96 33 Shrub Transplanting (32 96)**

Note: Includes digging up, moving on site, digging new hole and replanting.

**32 96 33 00-0001 Moving Shrubs On Site, Relocate (32 96 33)**

Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.

32 96 33 00-0002	EA		Up To 18" Root Ball, Move Shrubs On Site .....	67.82	
			<i>For &gt;25 To 50, Deduct</i>	-6.78	
			<i>For &gt;50, Deduct</i>	-10.17	
32 96 33 00-0003	EA		>18" To 24" Root Ball, Move Shrubs On Site .....	91.75	
			<i>For &gt;25 To 50, Deduct</i>	-9.18	
			<i>For &gt;50, Deduct</i>	-13.76	
32 96 33 00-0004	EA		>24" To 30" Root Ball, Move Shrubs On Site .....	155.57	
			<i>For &gt;25 To 50, Deduct</i>	-15.56	
			<i>For &gt;50, Deduct</i>	-23.34	
32 96 33 00-0005	EA		>30" To 36" Root Ball, Move Shrubs On Site .....	239.34	
			<i>For &gt;25 To 50, Deduct</i>	-23.93	
			<i>For &gt;50, Deduct</i>	-35.90	

**32 96 43 Tree Transplanting (32 96)**

Note: Includes digging up, moving on site, digging new hole and replanting.

**32 96 43 00-0001 Moving Trees On Site, Relocate (32 96 43)**

Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-0884 for crane lifting equipment, 32 94 49 00-0001 for guying.



<b>Exterior Improvements</b>		<b>32</b>
Planting		32 90
Transplanting		32 96

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 96 43 00-0002 EA Up To 24" Root Ball, Move Trees On Site.....	264.88	
For >5 To 10, Deduct	-13.24	
For >10 To 20, Deduct	-26.49	
For >20, Deduct	-39.73	
32 96 43 00-0003 EA >24" To 30" Root Ball, Move Trees On Site.....	363.27	
For >5 To 10, Deduct	-18.16	
For >10 To 20, Deduct	-36.33	
For >20, Deduct	-54.49	
32 96 43 00-0004 EA >30" To 36" Root Ball, Move Trees On Site.....	588.63	
For >5 To 10, Deduct	-29.43	
For >10 To 20, Deduct	-58.86	
For >20, Deduct	-88.29	
32 96 43 00-0005 EA >36" To 48" Root Ball, Move Trees On Site.....	978.04	
For >5 To 10, Deduct	-48.90	
For >10 To 20, Deduct	-97.80	
For >20, Deduct	-146.71	
32 96 43 00-0006 EA >48" To 60" Root Ball, Move Trees On Site.....	1,589.32	
For >5 To 10, Deduct	-79.47	
For >10 To 20, Deduct	-158.93	
For >20, Deduct	-238.40	
32 96 43 00-0007 EA >60" To 72" Root Ball, Move Trees On Site.....	2,050.73	
For >5 To 10, Deduct	-102.54	
For >10 To 20, Deduct	-205.07	
For >20, Deduct	-307.61	
32 96 43 00-0008 EA >72" To 84" Root Ball, Move Trees On Site.....	2,648.87	
For >5 To 10, Deduct	-132.44	
For >10 To 20, Deduct	-264.89	
For >20, Deduct	-397.33	
32 96 43 00-0009 EA >84" To 96" Root Ball, Move Trees On Site.....	3,178.64	
For >5 To 10, Deduct	-158.93	
For >10 To 20, Deduct	-317.86	
For >20, Deduct	-476.80	
32 96 43 00-0010 EA >96" To 120" Root Ball, Move Trees On Site.....	3,612.09	
For >5 To 10, Deduct	-180.60	
For >10 To 20, Deduct	-361.21	
For >20, Deduct	-541.81	

**END OF SECTION 32**

32	<b>32</b>	<b>Exterior Improvements</b>
	32 90	Planting
	32 96	Transplanting




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MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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### 33 Utilities

Note: Buried plastic pipe and conduit includes detectable tracer wire

#### 33 01 Operation and Maintenance of Utilities <sup>(33)</sup>

##### 33 01 10 Operation and Maintenance of Water Utilities <sup>(33 01)</sup>

##### **33 01 10 54 Cleaning of Water Utility Piping** <sup>(33 01 10)</sup>

See CSI section 33 01 30 41-0012 for cleaning of water lines.

##### **33 01 10 58 Disinfection of Water Utility Piping Systems** <sup>(33 01 10)</sup>

##### 33 01 10 58-0001 Water Main Disinfection/Sterilization <sup>(33 01 10 58)</sup>

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method .....	931.24	
33 01 10 58-0003	EA Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method .....	465.62	
33 01 10 58-0004	LF Up To 4" Diameter Pipe Water Main Disinfection/Sterilization .....	0.35	
	For >250 To 500, Deduct	-0.02	
	For >500 To 1,000, Deduct	-0.04	
	For >1,000 To 2,000, Deduct	-0.05	
	For >2,000 To 5,000, Deduct	-0.07	
	For >5,000, Deduct	-0.09	
33 01 10 58-0005	LF 6" Diameter Pipe Water Main Disinfection/Sterilization .....	0.54	
	For >250 To 500, Deduct	-0.03	
	For >500 To 1,000, Deduct	-0.05	
	For >1,000 To 2,000, Deduct	-0.08	
	For >2,000 To 5,000, Deduct	-0.11	
	For >5,000, Deduct	-0.14	
33 01 10 58-0006	LF 8" Diameter Pipe Water Main Disinfection/Sterilization .....	0.70	
	For >250 To 500, Deduct	-0.04	
	For >500 To 1,000, Deduct	-0.07	
	For >1,000 To 2,000, Deduct	-0.11	
	For >2,000 To 5,000, Deduct	-0.14	
	For >5,000, Deduct	-0.18	
33 01 10 58-0007	LF 10" Diameter Pipe Water Main Disinfection/Sterilization .....	0.82	
	For >250 To 500, Deduct	-0.04	
	For >500 To 1,000, Deduct	-0.08	
	For >1,000 To 2,000, Deduct	-0.12	
	For >2,000 To 5,000, Deduct	-0.16	
	For >5,000, Deduct	-0.21	
33 01 10 58-0008	LF 12" Diameter Pipe Water Main Disinfection/Sterilization .....	1.08	
	For >250 To 500, Deduct	-0.05	
	For >500 To 1,000, Deduct	-0.11	
	For >1,000 To 2,000, Deduct	-0.16	
	For >2,000 To 5,000, Deduct	-0.22	
	For >5,000, Deduct	-0.27	
33 01 10 58-0009	LF >12" To 16" Diameter Pipe Water Main Disinfection/Sterilization .....	1.21	
	For >250 To 500, Deduct	-0.06	
	For >500 To 1,000, Deduct	-0.12	
	For >1,000 To 2,000, Deduct	-0.18	
	For >2,000 To 5,000, Deduct	-0.24	
	For >5,000, Deduct	-0.30	
33 01 10 58-0010	LF >16" To 24" Diameter Pipe Water Main Disinfection/Sterilization .....	1.40	
	For >250 To 500, Deduct	-0.07	
	For >500 To 1,000, Deduct	-0.14	
	For >1,000 To 2,000, Deduct	-0.21	
	For >2,000 To 5,000, Deduct	-0.28	
	For >5,000, Deduct	-0.35	
33 01 10 58-0011	LF >24" To 30" Diameter Pipe Water Main Disinfection/Sterilization .....	1.65	
	For >250 To 500, Deduct	-0.08	
	For >500 To 1,000, Deduct	-0.17	
	For >1,000 To 2,000, Deduct	-0.25	
	For >2,000 To 5,000, Deduct	-0.33	
	For >5,000, Deduct	-0.41	
33 01 10 58-0012	LF >30" To 42" Diameter Pipe Water Main Disinfection/Sterilization .....	2.12	
	For >250 To 500, Deduct	-0.11	
	For >500 To 1,000, Deduct	-0.21	
	For >1,000 To 2,000, Deduct	-0.32	
	For >2,000 To 5,000, Deduct	-0.42	
	For >5,000, Deduct	-0.53	
33 01 10 58-0013	LF >42" To 60" Diameter Pipe Water Main Disinfection/Sterilization .....	3.10	
	For >250 To 500, Deduct	-0.16	
	For >500 To 1,000, Deduct	-0.31	
	For >1,000 To 2,000, Deduct	-0.47	
	For >2,000 To 5,000, Deduct	-0.62	
	For >5,000, Deduct	-0.78	
33 01 10 58-0014	LF >60" Diameter Pipe Water Main Disinfection/Sterilization .....	4.30	
	For >250 To 500, Deduct	-0.22	
	For >500 To 1,000, Deduct	-0.43	
	For >1,000 To 2,000, Deduct	-0.65	
	For >2,000 To 5,000, Deduct	-0.86	
	For >5,000, Deduct	-1.08	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 10 Operation and Maintenance of Water Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**33 01 10 71 Relining Water Utilities Pipelines** (33 01 10)

See CSI section 33 01 30 71-0000 for relining water pipelines.

33 01 10 71-0001	Relining Underground Water Pipelines	<small>(33 01 10 71)</small>	
	Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hours response for homeowners backups.		
33 01 10 71-0002	Relining Underground Water Pipelines Set-Up And Reinsertion	<small>(33 01 10 71-0001)</small>	
33 01 10 71-0003	EA Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines		4,913.84
33 01 10 71-0004	EA Move And Reset Up At Different Access/Location		1,965.53
33 01 10 71-0005	Lining Pipe With Cement	<small>(33 01 10 71-0001)</small>	
33 01 10 71-0006	LF Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement		56.73
	For 3/16" Thickness, Add		1.22
	For 1/4" Thickness, Add		2.43
33 01 10 71-0007	LF >500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement		50.60
	For 3/16" Thickness, Add		1.22
	For 1/4" Thickness, Add		2.43
33 01 10 71-0008	LF >1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement		42.39
	For 3/16" Thickness, Add		1.22
	For 1/4" Thickness, Add		2.43
33 01 10 71-0009	LF >5,000', 4" Pipe, 1/8" Pipe Lining With Cement		32.07
	For 3/16" Thickness, Add		1.22
	For 1/4" Thickness, Add		2.43
33 01 10 71-0010	LF Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement		59.34
	For 3/16" Thickness, Add		1.82
	For 1/4" Thickness, Add		3.63
33 01 10 71-0011	LF >500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement		52.98
	For 3/16" Thickness, Add		1.82
	For 1/4" Thickness, Add		3.63
33 01 10 71-0012	LF >1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement		44.48
	For 3/16" Thickness, Add		1.82
	For 1/4" Thickness, Add		3.63
33 01 10 71-0013	LF >5,000', 6" Pipe, 1/8" Pipe Lining With Cement		34.02
	For 3/16" Thickness, Add		1.82
	For 1/4" Thickness, Add		3.63
33 01 10 71-0014	LF Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement		61.86
	For 3/16" Thickness, Add		2.42
	For 1/4" Thickness, Add		4.83
33 01 10 71-0015	LF >500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement		55.35
	For 3/16" Thickness, Add		2.42
	For 1/4" Thickness, Add		4.83
33 01 10 71-0016	LF >1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement		46.57
	For 3/16" Thickness, Add		2.42
	For 1/4" Thickness, Add		4.83
33 01 10 71-0017	LF >5,000', 8" Pipe, 1/8" Pipe Lining With Cement		35.97
	For 3/16" Thickness, Add		2.42
	For 1/4" Thickness, Add		4.83
33 01 10 71-0018	LF Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement		63.87
	For 3/16" Thickness, Add		3.03
	For 1/4" Thickness, Add		6.05
33 01 10 71-0019	LF >500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement		57.26
	For 3/16" Thickness, Add		3.03
	For 1/4" Thickness, Add		6.05
33 01 10 71-0020	LF >1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement		48.35
	For 3/16" Thickness, Add		3.03
	For 1/4" Thickness, Add		6.05
33 01 10 71-0021	LF >5,000', 10" Pipe, 1/8" Pipe Lining With Cement		37.94
	For 3/16" Thickness, Add		3.03
	For 1/4" Thickness, Add		6.05
33 01 10 71-0022	LF Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement		69.26
	For 3/16" Thickness, Add		3.63
	For 1/4" Thickness, Add		7.26
33 01 10 71-0023	LF >500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement		62.23
	For 3/16" Thickness, Add		3.63
	For 1/4" Thickness, Add		7.26
33 01 10 71-0024	LF >1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement		52.75
	For 3/16" Thickness, Add		3.63
	For 1/4" Thickness, Add		7.26
33 01 10 71-0025	LF >5,000', 12" Pipe, 1/8" Pipe Lining With Cement		41.50
	For 3/16" Thickness, Add		3.63
	For 1/4" Thickness, Add		7.26
33 01 10 71-0026	LF Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement		75.98
	For 1/4" Thickness, Add		4.04
	For 5/16" Thickness, Add		8.07
33 01 10 71-0027	LF >500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement		68.69
	For 1/4" Thickness, Add		4.04
	For 5/16" Thickness, Add		8.07
33 01 10 71-0028	LF >1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement		58.82
	For 1/4" Thickness, Add		4.04
	For 5/16" Thickness, Add		8.07
33 01 10 71-0029	LF >5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement		48.03
	For 1/4" Thickness, Add		4.04
	For 5/16" Thickness, Add		8.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0030 LF Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement .....	80.26	
<i>For 1/4" Thickness, Add</i>	4.84	
<i>For 5/16" Thickness, Add</i>	9.67	
33 01 10 71-0031 LF >500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	72.74	
<i>For 1/4" Thickness, Add</i>	4.84	
<i>For 5/16" Thickness, Add</i>	9.67	
33 01 10 71-0032 LF >1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	62.53	
<i>For 1/4" Thickness, Add</i>	4.84	
<i>For 5/16" Thickness, Add</i>	9.67	
33 01 10 71-0033 LF >5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	52.31	
<i>For 1/4" Thickness, Add</i>	4.84	
<i>For 5/16" Thickness, Add</i>	9.67	
33 01 10 71-0034 LF Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	85.41	
<i>For 1/4" Thickness, Add</i>	5.65	
<i>For 5/16" Thickness, Add</i>	11.29	
33 01 10 71-0035 LF >500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	77.63	
<i>For 1/4" Thickness, Add</i>	5.65	
<i>For 5/16" Thickness, Add</i>	11.29	
33 01 10 71-0036 LF >1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	66.93	
<i>For 1/4" Thickness, Add</i>	5.65	
<i>For 5/16" Thickness, Add</i>	11.29	
33 01 10 71-0037 LF >5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	57.36	
<i>For 1/4" Thickness, Add</i>	5.65	
<i>For 5/16" Thickness, Add</i>	11.29	
33 01 10 71-0038 LF Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement .....	90.64	
<i>For 1/4" Thickness, Add</i>	6.45	
<i>For 5/16" Thickness, Add</i>	12.91	
33 01 10 71-0039 LF >500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement .....	82.55	
<i>For 1/4" Thickness, Add</i>	6.45	
<i>For 5/16" Thickness, Add</i>	12.91	
33 01 10 71-0040 LF >1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement .....	71.51	
<i>For 1/4" Thickness, Add</i>	6.45	
<i>For 5/16" Thickness, Add</i>	12.91	
33 01 10 71-0041 LF >5,000', 24" Pipe, 3/16" Pipe Lining With Cement .....	62.60	
<i>For 1/4" Thickness, Add</i>	6.45	
<i>For 5/16" Thickness, Add</i>	12.91	
33 01 10 71-0042 LF Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement .....	98.20	
<i>For 1/4" Thickness, Add</i>	8.06	
<i>For 5/16" Thickness, Add</i>	16.13	
33 01 10 71-0043 LF >500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement .....	89.63	
<i>For 1/4" Thickness, Add</i>	8.06	
<i>For 5/16" Thickness, Add</i>	16.13	
33 01 10 71-0044 LF >1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement .....	77.93	
<i>For 1/4" Thickness, Add</i>	8.06	
<i>For 5/16" Thickness, Add</i>	16.13	
33 01 10 71-0045 LF >5,000', 30" Pipe, 3/16" Pipe Lining With Cement .....	68.93	
<i>For 1/4" Thickness, Add</i>	8.06	
<i>For 5/16" Thickness, Add</i>	16.13	
33 01 10 71-0046 LF Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement .....	105.67	
<i>For 1/4" Thickness, Add</i>	9.68	
<i>For 5/16" Thickness, Add</i>	19.36	
33 01 10 71-0047 LF 500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement .....	96.73	
<i>For 1/4" Thickness, Add</i>	9.68	
<i>For 5/16" Thickness, Add</i>	19.36	
33 01 10 71-0048 LF >1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement .....	84.38	
<i>For 1/4" Thickness, Add</i>	9.68	
<i>For 5/16" Thickness, Add</i>	19.36	
33 01 10 71-0049 LF >5,000', 36" Pipe, 3/16" Pipe Lining With Cement .....	75.28	
<i>For 1/4" Thickness, Add</i>	9.68	
<i>For 5/16" Thickness, Add</i>	19.36	
33 01 10 71-0050 LF Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement .....	134.57	
<i>For 3/8" Thickness, Add</i>	25.41	
<i>For 7/16" Thickness, Add</i>	38.11	
33 01 10 71-0051 LF >500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement .....	124.83	
<i>For 3/8" Thickness, Add</i>	25.41	
<i>For 7/16" Thickness, Add</i>	38.11	
33 01 10 71-0052 LF >1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement .....	111.40	
<i>For 3/8" Thickness, Add</i>	25.41	
<i>For 7/16" Thickness, Add</i>	38.11	
33 01 10 71-0053 LF >5,000', 42" Pipe, 1/4" Pipe Lining With Cement .....	102.02	
<i>For 3/8" Thickness, Add</i>	25.41	
<i>For 7/16" Thickness, Add</i>	38.11	
33 01 10 71-0054 LF Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement .....	148.86	
<i>For 3/8" Thickness, Add</i>	29.04	
<i>For 7/16" Thickness, Add</i>	43.55	
33 01 10 71-0055 LF >500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement .....	138.44	
<i>For 3/8" Thickness, Add</i>	29.04	
<i>For 7/16" Thickness, Add</i>	43.55	
33 01 10 71-0056 LF >1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement .....	124.01	
<i>For 3/8" Thickness, Add</i>	29.04	
<i>For 7/16" Thickness, Add</i>	43.55	
33 01 10 71-0057 LF >5,000', 48" Pipe, 1/4" Pipe Lining With Cement .....	114.44	
<i>For 3/8" Thickness, Add</i>	29.04	
<i>For 7/16" Thickness, Add</i>	43.55	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 10 Operation and Maintenance of Water Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0058 LF Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement.....	157.80	
For 3/8" Thickness, Add	32.66	
For 7/16" Thickness, Add	48.99	
33 01 10 71-0059 LF >500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement .....	147.15	
For 3/8" Thickness, Add	32.66	
For 7/16" Thickness, Add	48.99	
33 01 10 71-0060 LF >1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement .....	132.39	
For 3/8" Thickness, Add	32.66	
For 7/16" Thickness, Add	48.99	
33 01 10 71-0061 LF >5,000', 54" Pipe, 1/4" Pipe Lining With Cement .....	123.19	
For 3/8" Thickness, Add	32.66	
For 7/16" Thickness, Add	48.99	
33 01 10 71-0062 LF Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement.....	166.77	
For 3/8" Thickness, Add	36.30	
For 7/16" Thickness, Add	54.45	
33 01 10 71-0063 LF >500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement .....	155.93	
For 3/8" Thickness, Add	36.30	
For 7/16" Thickness, Add	54.45	
33 01 10 71-0064 LF >1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement .....	140.89	
For 3/8" Thickness, Add	36.30	
For 7/16" Thickness, Add	54.45	
33 01 10 71-0065 LF >5,000', 60" Pipe, 1/4" Pipe Lining With Cement.....	131.97	
For 3/8" Thickness, Add	36.30	
For 7/16" Thickness, Add	54.45	
33 01 10 71-0066 LF Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement.....	176.00	
For 3/8" Thickness, Add	39.93	
For 7/16" Thickness, Add	59.90	
33 01 10 71-0067 LF >500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement .....	164.93	
For 3/8" Thickness, Add	39.93	
For 7/16" Thickness, Add	59.90	
33 01 10 71-0068 LF >1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement .....	149.64	
For 3/8" Thickness, Add	39.93	
For 7/16" Thickness, Add	59.90	
33 01 10 71-0069 LF >5,000', 66" Pipe, 1/4" Pipe Lining With Cement.....	141.39	
For 3/8" Thickness, Add	39.93	
For 7/16" Thickness, Add	59.90	
33 01 10 71-0070 LF Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement.....	185.60	
For 3/8" Thickness, Add	43.56	
For 7/16" Thickness, Add	65.33	
33 01 10 71-0071 LF >500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement .....	174.34	
For 3/8" Thickness, Add	43.56	
For 7/16" Thickness, Add	65.33	
33 01 10 71-0072 LF >1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement .....	158.68	
For 3/8" Thickness, Add	43.56	
For 7/16" Thickness, Add	65.33	
33 01 10 71-0073 LF >5,000', 72" Pipe, 1/4" Pipe Lining With Cement.....	150.89	
For 3/8" Thickness, Add	43.56	
For 7/16" Thickness, Add	65.33	

**33 01 30 Operation and Maintenance of Sewer Utilities** (33 01)**33 01 30 11 Television Inspection Of Pipelines** (33 01 30)

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

**33 01 30 11-0001 Remote Visual Inspection (RVI) Of Pipe Interior And Culverts** (33 01 30 11)**33 01 30 11-0002 Video Camera Set-up** (33 01 30 11-0001)

33 01 30 11-0003 EA Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert .....	843.86	
Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1"-12" diameter pipes for distances up to 300 feet.		
33 01 30 11-0004 EA Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert.....	1,687.71	
Note: Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).		
33 01 30 11-0005 EA Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert .....	2,531.58	
33 01 30 11-0006 EA Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert.....	421.93	
33 01 30 11-0007 EA Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert .....	843.86	

**33 01 30 11-0008 Video Camera Planning And Analysis Inspection** (33 01 30 11-0001)

Note: For pipe interior and culverts.

33 01 30 11-0009 LF 4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase.....	2.13	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.21	
For >1,000 To 5,000, Deduct	-0.53	
For >5,000, Deduct	-0.75	
33 01 30 11-0010 LF >6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase.....	2.85	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.29	
For >1,000 To 5,000, Deduct	-0.71	
For >5,000, Deduct	-1.00	
33 01 30 11-0011 LF >12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase.....	3.56	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.36	
For >1,000 To 5,000, Deduct	-0.89	
For >5,000, Deduct	-1.25	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0012 LF >21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase.....	4.76	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.48	
For >1,000 To 5,000, Deduct	-1.19	
For >5,000, Deduct	-1.67	
33 01 30 11-0013 LF >30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase.....	6.69	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.67	
For >1,000 To 5,000, Deduct	-1.67	
For >5,000, Deduct	-2.34	
33 01 30 11-0014 LF >42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase.....	8.92	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.89	
For >1,000 To 5,000, Deduct	-2.23	
For >5,000, Deduct	-3.12	
33 01 30 11-0015 LF >60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase.....	12.59	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.26	
For >1,000 To 5,000, Deduct	-3.15	
For >5,000, Deduct	-4.41	
33 01 30 11-0016 LF >72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase.....	17.83	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.78	
For >1,000 To 5,000, Deduct	-4.46	
For >5,000, Deduct	-6.24	
<b>33 01 30 11-0017 Video Camera Pre-Rehab For Pipe Interior And Culverts</b> (33 01 30 11-0001)		
33 01 30 11-0018 LF 4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	3.16	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.32	
For >1,000 To 5,000, Deduct	-0.79	
For >5,000, Deduct	-1.11	
33 01 30 11-0019 LF >6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....	4.22	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.42	
For >1,000 To 5,000, Deduct	-1.06	
For >5,000, Deduct	-1.48	
33 01 30 11-0020 LF >12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....	5.27	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.53	
For >1,000 To 5,000, Deduct	-1.32	
For >5,000, Deduct	-1.84	
33 01 30 11-0021 LF >21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....	7.03	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.70	
For >1,000 To 5,000, Deduct	-1.76	
For >5,000, Deduct	-2.46	
33 01 30 11-0022 LF >30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....	9.89	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.99	
For >1,000 To 5,000, Deduct	-2.47	
For >5,000, Deduct	-3.46	
33 01 30 11-0023 LF >42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....	13.18	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.32	
For >1,000 To 5,000, Deduct	-3.30	
For >5,000, Deduct	-4.61	
33 01 30 11-0024 LF >60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....	18.61	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.86	
For >1,000 To 5,000, Deduct	-4.65	
For >5,000, Deduct	-6.51	
33 01 30 11-0025 LF >72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....	26.37	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-2.64	
For >1,000 To 5,000, Deduct	-6.59	
For >5,000, Deduct	-9.23	
<b>33 01 30 11-0026 Video Camera Post-Rehab For Pipe Interior And Culverts</b> (33 01 30 11-0001)		
33 01 30 11-0027 LF 4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	2.26	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.23	
For >1,000 To 5,000, Deduct	-0.57	
For >5,000, Deduct	-0.79	
33 01 30 11-0028 LF >6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	3.01	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.30	
For >1,000 To 5,000, Deduct	-0.75	
For >5,000, Deduct	-1.05	
33 01 30 11-0029 LF >12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	3.77	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.38	
For >1,000 To 5,000, Deduct	-0.94	
For >5,000, Deduct	-1.32	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0030 LF >21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	5.02	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.50	
For >1,000 To 5,000, Deduct	-1.26	
For >5,000, Deduct	-1.76	
33 01 30 11-0031 LF >30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	7.06	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.71	
For >1,000 To 5,000, Deduct	-1.77	
For >5,000, Deduct	-2.47	
33 01 30 11-0032 LF >42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	9.42	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.94	
For >1,000 To 5,000, Deduct	-2.36	
For >5,000, Deduct	-3.30	
33 01 30 11-0033 LF >60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	13.29	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.33	
For >1,000 To 5,000, Deduct	-3.32	
For >5,000, Deduct	-4.65	
33 01 30 11-0034 LF >72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	18.84	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.88	
For >1,000 To 5,000, Deduct	-4.71	
For >5,000, Deduct	-6.59	
<b>33 01 30 41 Cleaning of Sewers (33 01 30)</b>		
<b>33 01 30 41-0001 Pipe Line Cleaning And Flushing (33 01 30 41)</b>		
Note: Includes flushing. Owner provided water.		
<b>33 01 30 41-0002 Pipe Line Cleaning (33 01 30 41-0001)</b>		
Note: Includes removal of all debris/waste. Excludes disposal.		
<b>33 01 30 41-0003 Hydro Jet Set-up And Reinsertion (33 01 30 41-0002)</b>		
Note: Includes mobilization delivery, set-up, clean-up after use and return.		
33 01 30 41-0004 EA Initial Set Up And Final Equipment Removal For Up To 8" Jet Cleaning.....	1,272.78	
33 01 30 41-0005 EA Initial Set Up And Final Equipment Removal For >8" To 12" Jet Cleaning.....	1,909.16	
33 01 30 41-0006 EA Initial Set Up And Final Equipment Removal For >12" To 30" Jet Cleaning.....	2,545.56	
33 01 30 41-0007 EA Initial Set Up And Final Equipment Removal For >30" Jet Cleaning.....	3,394.07	
33 01 30 41-0008 EA Move And Reset Up At Different Access/Location For Up To 8" Jet Cleaning.....	318.19	
33 01 30 41-0009 EA Move And Reset Up At Different Access/Location For >8" To 12" Jet Cleaning.....	477.29	
33 01 30 41-0010 EA Move And Reset Up At Different Access/Location For >12" To 30" Jet Cleaning.....	636.39	
33 01 30 41-0011 EA Move And Reset Up At Different Access/Location For >30" Jet Cleaning.....	795.48	
<b>33 01 30 41-0012 Hydro Jet Cleaning Of Sewer And Water Pipelines (33 01 30 41-0002)</b>		
33 01 30 41-0013 LF Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	3.43	
For >250 To 500, Deduct	-0.17	
For >500 To 1,000, Deduct	-0.34	
For >1,000 To 2,000, Deduct	-0.51	
For >2,000 To 5,000, Deduct	-0.69	
For >5,000, Deduct	-0.86	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.57	
33 01 30 41-0014 LF 6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	3.93	
For >250 To 500, Deduct	-0.20	
For >500 To 1,000, Deduct	-0.39	
For >1,000 To 2,000, Deduct	-0.59	
For >2,000 To 5,000, Deduct	-0.79	
For >5,000, Deduct	-0.98	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.95	
33 01 30 41-0015 LF 8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	4.61	
For >250 To 500, Deduct	-0.23	
For >500 To 1,000, Deduct	-0.46	
For >1,000 To 2,000, Deduct	-0.69	
For >2,000 To 5,000, Deduct	-0.92	
For >5,000, Deduct	-1.15	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	3.46	
33 01 30 41-0016 LF 10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	5.70	
For >250 To 500, Deduct	-0.29	
For >500 To 1,000, Deduct	-0.57	
For >1,000 To 2,000, Deduct	-0.86	
For >2,000 To 5,000, Deduct	-1.14	
For >5,000, Deduct	-1.43	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	4.28	
33 01 30 41-0017 LF 12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	6.47	
For >250 To 500, Deduct	-0.32	
For >500 To 1,000, Deduct	-0.65	
For >1,000 To 2,000, Deduct	-0.97	
For >2,000 To 5,000, Deduct	-1.29	
For >5,000, Deduct	-1.62	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	4.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0018 LF >12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	7.47	
<i>For &gt;250 To 500, Deduct</i>	-0.37	
<i>For &gt;500 To 1,000, Deduct</i>	-0.75	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.12	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.49	
<i>For &gt;5,000, Deduct</i>	-1.87	
<i>For Heavy Cleaning, &gt;4 Passes (Includes Attached Mechanical Device), Add</i>	5.60	
33 01 30 41-0019 LF >16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	8.99	
<i>For &gt;250 To 500, Deduct</i>	-0.45	
<i>For &gt;500 To 1,000, Deduct</i>	-0.90	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.35	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.80	
<i>For &gt;5,000, Deduct</i>	-2.25	
<i>For Heavy Cleaning, &gt;4 Passes (Includes Attached Mechanical Device), Add</i>	6.74	
33 01 30 41-0020 LF >24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	10.20	
<i>For &gt;250 To 500, Deduct</i>	-0.51	
<i>For &gt;500 To 1,000, Deduct</i>	-1.02	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.53	
<i>For &gt;2,000 To 5,000, Deduct</i>	-2.04	
<i>For &gt;5,000, Deduct</i>	-2.55	
<i>For Heavy Cleaning, &gt;4 Passes (Includes Attached Mechanical Device), Add</i>	7.65	
33 01 30 41-0021 LF >30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	12.05	
<i>For &gt;250 To 500, Deduct</i>	-0.60	
<i>For &gt;500 To 1,000, Deduct</i>	-1.21	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.81	
<i>For &gt;2,000 To 5,000, Deduct</i>	-2.41	
<i>For &gt;5,000, Deduct</i>	-3.01	
<i>For Heavy Cleaning, &gt;4 Passes (Includes Attached Mechanical Device), Add</i>	9.04	
33 01 30 41-0022 LF >42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	15.15	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500 To 1,000, Deduct</i>	-1.52	
<i>For &gt;1,000 To 2,000, Deduct</i>	-2.27	
<i>For &gt;2,000 To 5,000, Deduct</i>	-3.03	
<i>For &gt;5,000, Deduct</i>	-3.79	
<i>For Heavy Cleaning, &gt;4 Passes (Includes Attached Mechanical Device), Add</i>	11.36	
33 01 30 41-0023 LF >60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	17.67	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500 To 1,000, Deduct</i>	-1.77	
<i>For &gt;1,000 To 2,000, Deduct</i>	-2.65	
<i>For &gt;2,000 To 5,000, Deduct</i>	-3.53	
<i>For &gt;5,000, Deduct</i>	-4.42	
<i>For Heavy Cleaning, &gt;4 Passes (Includes Attached Mechanical Device), Add</i>	13.25	
<b>33 01 30 41-0024 Flushing Of Storm Water Pipelines</b> <small>(33 01 30 41-0002)</small>		
<i>Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.</i>		
33 01 30 41-0025 LF 12" To 16" Diameter Pipe Line Flushing.....	1.28	
<i>For &gt;250 To 500, Deduct</i>	-0.06	
<i>For &gt;500 To 1,000, Deduct</i>	-0.13	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.19	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.26	
<i>For &gt;5,000, Deduct</i>	-0.32	
33 01 30 41-0026 LF >16" To 24" Diameter Pipe Line Flushing.....	1.47	
<i>For &gt;250 To 500, Deduct</i>	-0.07	
<i>For &gt;500 To 1,000, Deduct</i>	-0.15	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.22	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.29	
<i>For &gt;5,000, Deduct</i>	-0.37	
33 01 30 41-0027 LF >24" To 30" Diameter Pipe Line Flushing.....	1.73	
<i>For &gt;250 To 500, Deduct</i>	-0.09	
<i>For &gt;500 To 1,000, Deduct</i>	-0.17	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.26	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.35	
<i>For &gt;5,000, Deduct</i>	-0.43	
33 01 30 41-0028 LF >30" To 42" Diameter Pipe Line Flushing.....	1.99	
<i>For &gt;250 To 500, Deduct</i>	-0.10	
<i>For &gt;500 To 1,000, Deduct</i>	-0.20	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.30	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.40	
<i>For &gt;5,000, Deduct</i>	-0.50	
33 01 30 41-0029 LF >42" To 60" Diameter Pipe Line Flushing.....	2.64	
<i>For &gt;250 To 500, Deduct</i>	-0.13	
<i>For &gt;500 To 1,000, Deduct</i>	-0.26	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.40	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.53	
<i>For &gt;5,000, Deduct</i>	-0.66	
<b>33 01 30 41-0030 Hydro Jet Cleaning Of Culverts</b> <small>(33 01 30 41-0002)</small>		
33 01 30 41-0031 LF Jet Cleaning Of Culvert, 0-250 LF.....	15.83	
<i>For &gt;250 To 500, Deduct</i>	-0.79	
<i>For &gt;500 To 1,000, Deduct</i>	-1.58	
<i>For &gt;1,000 To 2,000, Deduct</i>	-2.37	
<i>For &gt;2,000 To 5,000, Deduct</i>	-3.17	
<i>For &gt;5,000, Deduct</i>	-3.96	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0032			<b>Pipe Line Cleaning, Mechanical Method</b> <small>(33 01 30 41-0001)</small>		
			Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0033	EA		Initial Set Up And Final Equipment Removal For Mechanical Cleaning.....	1,117.48	
33 01 30 41-0034	EA		Move And Reset Up At Different Access/Location.....	372.50	
33 01 30 41-0035	LF		Up To 4" Diameter Pipe Line Cleaning, Mechanical Method.....	6.50	
			For >250 To 500, Deduct	-0.31	
			For >500 To 1,000, Deduct	-0.62	
			For >1,000 To 2,000, Deduct	-0.93	
			For >2,000 To 5,000, Deduct	-1.24	
			For >5,000, Deduct	-1.55	
33 01 30 41-0036	LF		6" Diameter Pipe Line Cleaning, Mechanical Method.....	8.56	
			For >250 To 500, Deduct	-0.40	
			For >500 To 1,000, Deduct	-0.80	
			For >1,000 To 2,000, Deduct	-1.20	
			For >2,000 To 5,000, Deduct	-1.60	
			For >5,000, Deduct	-2.00	
33 01 30 41-0037	LF		8" Diameter Pipe Line Cleaning, Mechanical Method.....	10.03	
			For >250 To 500, Deduct	-0.47	
			For >500 To 1,000, Deduct	-0.93	
			For >1,000 To 2,000, Deduct	-1.40	
			For >2,000 To 5,000, Deduct	-1.86	
			For >5,000, Deduct	-2.33	
33 01 30 41-0038	LF		10" Diameter Pipe Line Cleaning, Mechanical Method.....	11.62	
			For >250 To 500, Deduct	-0.54	
			For >500 To 1,000, Deduct	-1.08	
			For >1,000 To 2,000, Deduct	-1.61	
			For >2,000 To 5,000, Deduct	-2.15	
			For >5,000, Deduct	-2.69	
33 01 30 41-0039	LF		12" Diameter Pipe Line Cleaning, Mechanical Method.....	12.65	
			For >250 To 500, Deduct	-0.58	
			For >500 To 1,000, Deduct	-1.16	
			For >1,000 To 2,000, Deduct	-1.75	
			For >2,000 To 5,000, Deduct	-2.33	
			For >5,000, Deduct	-2.91	
33 01 30 41-0040	LF		>12" To 16" Diameter Pipe Line Cleaning, Mechanical Method.....	14.60	
			For >250 To 500, Deduct	-0.67	
			For >500 To 1,000, Deduct	-1.33	
			For >1,000 To 2,000, Deduct	-2.00	
			For >2,000 To 5,000, Deduct	-2.66	
			For >5,000, Deduct	-3.33	
33 01 30 41-0041	LF		>16" To 24" Diameter Pipe Line Cleaning, Mechanical Method.....	18.46	
			For >250 To 500, Deduct	-0.82	
			For >500 To 1,000, Deduct	-1.64	
			For >1,000 To 2,000, Deduct	-2.46	
			For >2,000 To 5,000, Deduct	-3.29	
			For >5,000, Deduct	-4.11	
33 01 30 41-0042	LF		>24" To 30" Diameter Pipe Line Cleaning, Mechanical Method.....	21.22	
			For >250 To 500, Deduct	-0.92	
			For >500 To 1,000, Deduct	-1.83	
			For >1,000 To 2,000, Deduct	-2.75	
			For >2,000 To 5,000, Deduct	-3.66	
			For >5,000, Deduct	-4.58	
33 01 30 41-0043	LF		>30" To 42" Diameter Pipe Line Cleaning, Mechanical Method.....	24.70	
			For >250 To 500, Deduct	-1.05	
			For >500 To 1,000, Deduct	-2.11	
			For >1,000 To 2,000, Deduct	-3.16	
			For >2,000 To 5,000, Deduct	-4.22	
			For >5,000, Deduct	-5.27	
33 01 30 41-0044	LF		>42 To 60" Diameter Pipe Line Cleaning, Mechanical Method.....	32.28	
			For >250 To 500, Deduct	-1.40	
			For >500 To 1,000, Deduct	-2.79	
			For >1,000 To 2,000, Deduct	-4.19	
			For >2,000 To 5,000, Deduct	-5.59	
			For >5,000, Deduct	-6.99	
33 01 30 41-0045	LF		>60" Diameter Pipe Line Cleaning, Mechanical Method.....	36.83	
			For >250 To 500, Deduct	-1.55	
			For >500 To 1,000, Deduct	-3.10	
			For >1,000 To 2,000, Deduct	-4.66	
			For >2,000 To 5,000, Deduct	-6.21	
			For >5,000, Deduct	-7.76	
33 01 30 41-0046			<b>Pipe Line Auguring/Rod Out Pipe</b> <small>(33 01 30 41-0001)</small>		
33 01 30 41-0047	EA		Initial Set Up And Final Equipment Removal For Auguring.....	1,117.48	
33 01 30 41-0048	EA		Move And Reset Up At Different Location.....	372.50	
33 01 30 41-0049	LF		Up To 4" Diameter Pipe Line Auguring/Rod Out.....	3.72	
			For >250 To 500, Deduct	-0.19	
			For >500 To 1,000, Deduct	-0.37	
			For >1,000 To 2,000, Deduct	-0.56	
			For >2,000 To 5,000, Deduct	-0.74	
			For >5,000, Deduct	-0.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0050 LF 6" Diameter Pipe Line Auguring/Rod Out .....	4.82	
<i>For &gt;250 To 500, Deduct</i>	-0.24	
<i>For &gt;500 To 1,000, Deduct</i>	-0.48	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.72	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.96	
<i>For &gt;5,000, Deduct</i>	-1.21	
33 01 30 41-0051 LF 8" Diameter Pipe Line Auguring/Rod Out .....	5.59	
<i>For &gt;250 To 500, Deduct</i>	-0.28	
<i>For &gt;500 To 1,000, Deduct</i>	-0.56	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.84	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.12	
<i>For &gt;5,000, Deduct</i>	-1.40	
33 01 30 41-0052 LF 10" Diameter Pipe Line Auguring/Rod Out .....	6.50	
<i>For &gt;250 To 500, Deduct</i>	-0.33	
<i>For &gt;500 To 1,000, Deduct</i>	-0.65	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.98	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.30	
<i>For &gt;5,000, Deduct</i>	-1.63	
33 01 30 41-0053 LF 12" Diameter Pipe Line Auguring/Rod Out .....	6.98	
<i>For &gt;250 To 500, Deduct</i>	-0.35	
<i>For &gt;500 To 1,000, Deduct</i>	-0.70	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.05	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.40	
<i>For &gt;5,000, Deduct</i>	-1.75	
33 01 30 41-0054 LF >12" To 16" Diameter Pipe Line Auguring/Rod Out .....	7.98	
<i>For &gt;250 To 500, Deduct</i>	-0.40	
<i>For &gt;500 To 1,000, Deduct</i>	-0.80	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.20	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.60	
<i>For &gt;5,000, Deduct</i>	-2.00	
33 01 30 41-0055 LF >16" To 24" Diameter Pipe Line Auguring/Rod Out .....	9.81	
<i>For &gt;250 To 500, Deduct</i>	-0.49	
<i>For &gt;500 To 1,000, Deduct</i>	-0.98	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.47	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.96	
<i>For &gt;5,000, Deduct</i>	-2.45	
33 01 30 41-0056 LF >24" To 30" Diameter Pipe Line Auguring/Rod Out .....	10.96	
<i>For &gt;250 To 500, Deduct</i>	-0.55	
<i>For &gt;500 To 1,000, Deduct</i>	-1.10	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.64	
<i>For &gt;2,000 To 5,000, Deduct</i>	-2.19	
<i>For &gt;5,000, Deduct</i>	-2.74	
33 01 30 41-0057 LF >30" To 42" Diameter Pipe Line Auguring/Rod Out .....	12.70	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500 To 1,000, Deduct</i>	-1.27	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.91	
<i>For &gt;2,000 To 5,000, Deduct</i>	-2.54	
<i>For &gt;5,000, Deduct</i>	-3.18	
33 01 30 41-0058 LF >42 To 60" Diameter Pipe Line Auguring/Rod Out .....	17.46	
<i>For &gt;250 To 500, Deduct</i>	-0.87	
<i>For &gt;500 To 1,000, Deduct</i>	-1.75	
<i>For &gt;1,000 To 2,000, Deduct</i>	-2.62	
<i>For &gt;2,000 To 5,000, Deduct</i>	-3.49	
<i>For &gt;5,000, Deduct</i>	-4.37	
33 01 30 41-0059 LF >60" Diameter Pipe Line Auguring/Rod Out .....	18.63	
<i>For &gt;250 To 500, Deduct</i>	-0.93	
<i>For &gt;500 To 1,000, Deduct</i>	-1.86	
<i>For &gt;1,000 To 2,000, Deduct</i>	-2.79	
<i>For &gt;2,000 To 5,000, Deduct</i>	-3.73	
<i>For &gt;5,000, Deduct</i>	-4.66	

**33 01 30 42 Cleaning of Manholes** (33 01 30)

33 01 30 42-0001 Structure Cleaning And Flushing (33 01 30 42)  
 Note: Includes flushing. Owner provided water.

33 01 30 42-0002 Rod Out Structures And Other Hand Operations (33 01 30 42-0001)

33 01 30 42-0003 EA Rod Out Waste Water Drain .....	46.90
33 01 30 42-0004 EA Rod Out Sewer Catch Basin .....	93.80
33 01 30 42-0005 EA Up To 6" Diameter Pipe, Rod Out Blockage .....	18.76
33 01 30 42-0006 EA 8" Diameter Pipe, Rod Out Blockage .....	20.63
33 01 30 42-0007 EA 10" Diameter Pipe, Rod Out Blockage .....	23.45
33 01 30 42-0008 EA 12" Diameter Pipe, Rod Out Blockage .....	27.20
33 01 30 42-0009 EA >12" To 16" Diameter Pipe, Rod Out Blockage .....	31.89
33 01 30 42-0010 EA >16" To 24" Diameter Pipe, Rod Out Blockage .....	37.52
33 01 30 42-0011 EA >24" To 30" Diameter Pipe, Rod Out Blockage .....	44.08
33 01 30 42-0012 EA >30" To 42" Diameter Pipe, Rod Out Blockage .....	50.65
33 01 30 42-0013 EA >42" To 60" Diameter Pipe, Rod Out Blockage .....	59.09
33 01 30 42-0014 EA >60" Diameter Pipe, Rod Out Blockage .....	70.35
33 01 30 42-0015 EA Clean Out Debris From Entrance To Inlet Structure .....	234.48
33 01 30 42-0016 EA 3' To 4' Diameter, Clean Out Blocked Manhole By Hand .....	793.48
<i>For &gt;10 To 100, Deduct</i>	-119.02
<i>For &gt;100 To 250, Deduct</i>	-178.53
<i>For &gt;250, Deduct</i>	-238.04

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 42-0017	EA	5' To 6' Diameter, Clean Out Blocked Manhole By Hand.....	952.17
		<i>For &gt;10 To 100, Deduct</i>	-142.83
		<i>For &gt;100 To 250, Deduct</i>	-214.24
		<i>For &gt;250, Deduct</i>	-285.65
33 01 30 42-0018	EA	Clean Out Blocked Catch Basin By Hand.....	476.09
		<i>For &gt;10 To 100, Deduct</i>	-71.41
		<i>For &gt;100 To 250, Deduct</i>	-107.12
		<i>For &gt;250, Deduct</i>	-142.83

**33 01 30 42-0019 Cleaning Manholes And Drainage Structures With Jet/Vacuum** (33 01 30 42-0001)

Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.

33 01 30 42-0020	EA	Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes.....	283.08
33 01 30 42-0021	EA	Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes.....	262.85
33 01 30 42-0022	EA	Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes.....	242.62
33 01 30 42-0023	EA	Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes.....	222.39
33 01 30 42-0024	EA	Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes.....	202.15
33 01 30 42-0025	EA	Jet/Vacuum Clean >250 Catch Basins Or Manholes.....	181.93

**33 01 30 51 Maintenance of Utilities** (33 01 30)**33 01 30 51-0001 Pipe Repair** (33 01 30 51)**33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band** (33 01 30 51-0001)

Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0003	EA	2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	124.28
		<i>For Stainless Steel Nuts And Bolts, Add</i>	20.64
33 01 30 51-0004	EA	2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	177.10
		<i>For Stainless Steel Nuts And Bolts, Add</i>	31.10
33 01 30 51-0005	EA	2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	204.81
		<i>For Stainless Steel Nuts And Bolts, Add</i>	36.63
33 01 30 51-0006	EA	2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	233.45
		<i>For Stainless Steel Nuts And Bolts, Add</i>	42.14
33 01 30 51-0007	EA	2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	134.10
		<i>For Stainless Steel Nuts And Bolts, Add</i>	22.41
33 01 30 51-0008	EA	2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	188.28
		<i>For Stainless Steel Nuts And Bolts, Add</i>	33.19
33 01 30 51-0009	EA	2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	215.94
		<i>For Stainless Steel Nuts And Bolts, Add</i>	38.59
33 01 30 51-0010	EA	2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	249.70
		<i>For Stainless Steel Nuts And Bolts, Add</i>	45.15
33 01 30 51-0011	EA	3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	144.31
		<i>For Stainless Steel Nuts And Bolts, Add</i>	24.52
33 01 30 51-0012	EA	3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	195.89
		<i>For Stainless Steel Nuts And Bolts, Add</i>	34.70
33 01 30 51-0013	EA	3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	226.62
		<i>For Stainless Steel Nuts And Bolts, Add</i>	40.68
33 01 30 51-0014	EA	3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	264.44
		<i>For Stainless Steel Nuts And Bolts, Add</i>	48.30
33 01 30 51-0015	EA	4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	162.67
		<i>For Stainless Steel Nuts And Bolts, Add</i>	27.88
33 01 30 51-0016	EA	4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	215.04
		<i>For Stainless Steel Nuts And Bolts, Add</i>	37.53
33 01 30 51-0017	EA	4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	260.82
		<i>For Stainless Steel Nuts And Bolts, Add</i>	45.68
33 01 30 51-0018	EA	4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	314.24
		<i>For Stainless Steel Nuts And Bolts, Add</i>	55.11
33 01 30 51-0019	EA	4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	411.39
		<i>For Stainless Steel Nuts And Bolts, Add</i>	74.02
33 01 30 51-0020	EA	4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	512.03
		<i>For Stainless Steel Nuts And Bolts, Add</i>	92.93
33 01 30 51-0021	EA	4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	624.84
		<i>For Stainless Steel Nuts And Bolts, Add</i>	113.99
33 01 30 51-0022	EA	6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	191.25
		<i>For Stainless Steel Nuts And Bolts, Add</i>	32.90
33 01 30 51-0023	EA	6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	254.30
		<i>For Stainless Steel Nuts And Bolts, Add</i>	44.63
33 01 30 51-0024	EA	6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	301.12
		<i>For Stainless Steel Nuts And Bolts, Add</i>	52.62
33 01 30 51-0025	EA	6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	352.66
		<i>For Stainless Steel Nuts And Bolts, Add</i>	61.15
33 01 30 51-0026	EA	6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	489.40
		<i>For Stainless Steel Nuts And Bolts, Add</i>	88.61
33 01 30 51-0027	EA	6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	595.15
		<i>For Stainless Steel Nuts And Bolts, Add</i>	108.06
33 01 30 51-0028	EA	6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	710.86
		<i>For Stainless Steel Nuts And Bolts, Add</i>	129.12
33 01 30 51-0029	EA	8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	248.26
		<i>For Stainless Steel Nuts And Bolts, Add</i>	39.36
33 01 30 51-0030	EA	8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	322.86
		<i>For Stainless Steel Nuts And Bolts, Add</i>	52.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0031 EA 8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	389.73 63.02	
33 01 30 51-0032 EA 8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	465.37 75.10	
33 01 30 51-0033 EA 8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	619.17 104.04	
33 01 30 51-0034 EA 8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	740.53 124.41	
33 01 30 51-0035 EA 8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	876.76 146.43	
33 01 30 51-0036 EA 10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	291.20 47.90	
33 01 30 51-0037 EA 10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	391.74 66.26	
33 01 30 51-0038 EA 10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	461.23 77.47	
33 01 30 51-0039 EA 10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	566.08 95.82	
33 01 30 51-0040 EA 10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	744.44 129.97	
33 01 30 51-0041 EA 10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	846.61 145.27	
33 01 30 51-0042 EA 10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,090.72 191.65	
33 01 30 51-0043 EA 12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	331.34 54.03	
33 01 30 51-0044 EA 12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	432.97 71.86	
33 01 30 51-0045 EA 12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	522.71 86.96	
33 01 30 51-0046 EA 12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	643.36 108.06	
33 01 30 51-0047 EA 12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	828.82 142.72	
33 01 30 51-0048 EA 12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	974.39 166.67	
33 01 30 51-0049 EA 12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,239.47 216.11	
<b>33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands</b> <small>(33 01 30 51-0001)</small> Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0051 EA 14.38"-15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	742.58 207.89	
33 01 30 51-0052 EA 14.38"-15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,053.66 300.12	
33 01 30 51-0053 EA 14.38"-15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,419.30 407.00	
33 01 30 51-0054 EA 14.38"-15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	2,092.99 613.43	
33 01 30 51-0055 EA 15.07"-15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	779.42 218.12	
33 01 30 51-0056 EA 15.07"-15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,102.96 314.03	
33 01 30 51-0057 EA 15.07"-15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,482.05 424.56	
33 01 30 51-0058 EA 15.07"-15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	2,194.01 642.70	
33 01 30 51-0059 EA 15.92"-16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	799.12 222.53	
33 01 30 51-0060 EA 15.92"-16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,128.88 319.90	
33 01 30 51-0061 EA 15.92"-16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,520.66 434.08	
33 01 30 51-0062 EA 15.92"-16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	2,249.35 656.60	
33 01 30 51-0063 EA 16.56"-17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	819.75 226.92	
33 01 30 51-0064 EA 16.56"-17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,158.39 326.48	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 51-0065	EA	16.56"-17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,557.83
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	442.13
33 01 30 51-0066	EA	16.56"-17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	2,304.53
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	669.79
33 01 30 51-0067	EA	17.15"-17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	838.26
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	230.58
33 01 30 51-0068	EA	17.15"-17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,183.56
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	331.60
33 01 30 51-0069	EA	17.15"-17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,594.99
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	450.18
33 01 30 51-0070	EA	17.15"-17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	2,354.20
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	680.76
33 01 30 51-0071	EA	17.82"-18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	855.78
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	234.25
33 01 30 51-0072	EA	17.82"-18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,209.46
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	337.45
33 01 30 51-0073	EA	17.82"-18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,628.12
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	457.50
33 01 30 51-0074	EA	17.82"-18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	2,385.72
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	686.25
33 01 30 51-0075	EA	18.46"-19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	875.93
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	238.81
33 01 30 51-0076	EA	18.46"-19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,240.15
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	344.77
33 01 30 51-0077	EA	18.46"-19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,663.34
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	465.55
33 01 30 51-0078	EA	18.46"-19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	2,457.28
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	705.65

**33 01 30 51-0079 Polyseal Pipe Coupler (33 01 30 51-0001)**

33 01 30 51-0080	EA	18" Diameter Pipe, PolySeal Repair Couplers (MarMac) .....	310.54
33 01 30 51-0081	EA	24" Diameter Pipe, PolySeal Repair Couplers (MarMac) .....	350.41

**33 01 30 71 Relining Sewer Utilities Pipelines (33 01 30)****33 01 30 71-0001 Relining Underground Pipelines (33 01 30 71)**

Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

**33 01 30 71-0002 Lining Pipe, Spray Applied With Structural Polyurethane (33 01 30 71-0001)**

Note: Two part structural polyurethane.

**33 01 30 71-0003 Mobilization And Setup For Spray Applied Structural Polyurethane Lining (33 01 30 71-0002)**

33 01 30 71-0004	EA	Initial Set Up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining .....	1,664.97
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**33 01 30 71-0005 Lining Pipe, Spray Applied With 100 mil Structural Polyurethane (33 01 30 71-0002)**

Note: Two part structural polyurethane.

33 01 30 71-0006	LF	36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	55.78
		<i>For Up To 75, Add</i> .....	12.05
		<i>For &gt;75 To 150, Add</i> .....	5.58
		<i>For &gt;500 To 1,000, Deduct</i> .....	-1.47
		<i>For &gt;1,000 To 2,000, Deduct</i> .....	-2.86
		<i>For &gt;2,000 To 5,000, Deduct</i> .....	-4.42
		<i>For &gt;5,000, Deduct</i> .....	-6.48
33 01 30 71-0007	LF	42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	65.09
		<i>For Up To 75, Add</i> .....	14.07
		<i>For &gt;75 To 150, Add</i> .....	6.51
		<i>For &gt;500 To 1,000, Deduct</i> .....	-1.72
		<i>For &gt;1,000 To 2,000, Deduct</i> .....	-3.34
		<i>For &gt;2,000 To 5,000, Deduct</i> .....	-5.16
		<i>For &gt;5,000, Deduct</i> .....	-7.56





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0008 LF 48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	74.39	
<i>For Up To 75, Add</i>	16.08	
<i>For &gt;75 To 150, Add</i>	7.44	
<i>For &gt;500 To 1,000, Deduct</i>	-1.97	
<i>For &gt;1,000 To 2,000, Deduct</i>	-3.81	
<i>For &gt;2,000 To 5,000, Deduct</i>	-5.90	
<i>For &gt;5,000, Deduct</i>	-8.64	
33 01 30 71-0009 LF 54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	83.67	
<i>For Up To 75, Add</i>	18.08	
<i>For &gt;75 To 150, Add</i>	8.37	
<i>For &gt;500 To 1,000, Deduct</i>	-2.21	
<i>For &gt;1,000 To 2,000, Deduct</i>	-4.29	
<i>For &gt;2,000 To 5,000, Deduct</i>	-6.64	
<i>For &gt;5,000, Deduct</i>	-9.71	
33 01 30 71-0010 LF 60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	92.98	
<i>For Up To 75, Add</i>	20.09	
<i>For &gt;75 To 150, Add</i>	9.30	
<i>For &gt;500 To 1,000, Deduct</i>	-2.46	
<i>For &gt;1,000 To 2,000, Deduct</i>	-4.77	
<i>For &gt;2,000 To 5,000, Deduct</i>	-7.38	
<i>For &gt;5,000, Deduct</i>	-10.80	
33 01 30 71-0011 LF 66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	102.27	
<i>For Up To 75, Add</i>	22.10	
<i>For &gt;75 To 150, Add</i>	10.23	
<i>For &gt;500 To 1,000, Deduct</i>	-2.70	
<i>For &gt;1,000 To 2,000, Deduct</i>	-5.24	
<i>For &gt;2,000 To 5,000, Deduct</i>	-8.11	
<i>For &gt;5,000, Deduct</i>	-11.87	
33 01 30 71-0012 LF 72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	111.56	
<i>For Up To 75, Add</i>	24.11	
<i>For &gt;75 To 150, Add</i>	11.16	
<i>For &gt;500 To 1,000, Deduct</i>	-2.95	
<i>For &gt;1,000 To 2,000, Deduct</i>	-5.72	
<i>For &gt;2,000 To 5,000, Deduct</i>	-8.85	
<i>For &gt;5,000, Deduct</i>	-12.95	
33 01 30 71-0013 LF 78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	120.86	
<i>For Up To 75, Add</i>	26.12	
<i>For &gt;75 To 150, Add</i>	12.09	
<i>For &gt;500 To 1,000, Deduct</i>	-3.20	
<i>For &gt;1,000 To 2,000, Deduct</i>	-6.20	
<i>For &gt;2,000 To 5,000, Deduct</i>	-9.59	
<i>For &gt;5,000, Deduct</i>	-14.03	
33 01 30 71-0014 LF 84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	130.16	
<i>For Up To 75, Add</i>	28.13	
<i>For &gt;75 To 150, Add</i>	13.02	
<i>For &gt;500 To 1,000, Deduct</i>	-3.44	
<i>For &gt;1,000 To 2,000, Deduct</i>	-6.67	
<i>For &gt;2,000 To 5,000, Deduct</i>	-10.32	
<i>For &gt;5,000, Deduct</i>	-15.11	
33 01 30 71-0015 LF 90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	139.44	
<i>For Up To 75, Add</i>	30.13	
<i>For &gt;75 To 150, Add</i>	13.94	
<i>For &gt;500 To 1,000, Deduct</i>	-3.69	
<i>For &gt;1,000 To 2,000, Deduct</i>	-7.15	
<i>For &gt;2,000 To 5,000, Deduct</i>	-11.06	
<i>For &gt;5,000, Deduct</i>	-16.19	
33 01 30 71-0016 LF 96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	148.75	
<i>For Up To 75, Add</i>	32.14	
<i>For &gt;75 To 150, Add</i>	14.88	
<i>For &gt;500 To 1,000, Deduct</i>	-3.93	
<i>For &gt;1,000 To 2,000, Deduct</i>	-7.63	
<i>For &gt;2,000 To 5,000, Deduct</i>	-11.80	
<i>For &gt;5,000, Deduct</i>	-17.27	
33 01 30 71-0017 LF 102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	158.05	
<i>For Up To 75, Add</i>	34.15	
<i>For &gt;75 To 150, Add</i>	15.81	
<i>For &gt;500 To 1,000, Deduct</i>	-4.18	
<i>For &gt;1,000 To 2,000, Deduct</i>	-8.10	
<i>For &gt;2,000 To 5,000, Deduct</i>	-12.54	
<i>For &gt;5,000, Deduct</i>	-18.35	
33 01 30 71-0018 LF 108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	167.33	
<i>For Up To 75, Add</i>	36.16	
<i>For &gt;75 To 150, Add</i>	16.73	
<i>For &gt;500 To 1,000, Deduct</i>	-4.42	
<i>For &gt;1,000 To 2,000, Deduct</i>	-8.58	
<i>For &gt;2,000 To 5,000, Deduct</i>	-13.27	
<i>For &gt;5,000, Deduct</i>	-19.43	
33 01 30 71-0019 LF 114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	176.64	
<i>For Up To 75, Add</i>	38.17	
<i>For &gt;75 To 150, Add</i>	17.66	
<i>For &gt;500 To 1,000, Deduct</i>	-4.67	
<i>For &gt;1,000 To 2,000, Deduct</i>	-9.06	
<i>For &gt;2,000 To 5,000, Deduct</i>	-14.01	
<i>For &gt;5,000, Deduct</i>	-20.51	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0020 LF 120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	185.94	
For Up To 75, Add	40.18	
For >75 To 150, Add	18.59	
For >500 To 1,000, Deduct	-4.92	
For >1,000 To 2,000, Deduct	-9.53	
For >2,000 To 5,000, Deduct	-14.75	
For >5,000, Deduct	-21.59	
33 01 30 71-0021 SF Structure Lining, Spray Applied With 100 mil Structural Polyurethane.....	5.92	
<b>33 01 30 71-0022 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane</b> <small>(33 01 30 71-0002)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0023 LF 36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	75.67	
For Up To 75, Add	16.08	
For >75 To 150, Add	7.57	
For >500 To 1,000, Deduct	-1.89	
For >1,000 To 2,000, Deduct	-3.69	
For >2,000 To 5,000, Deduct	-5.67	
For >5,000, Deduct	-8.51	
33 01 30 71-0024 LF 42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	88.29	
For Up To 75, Add	18.76	
For >75 To 150, Add	8.83	
For >500 To 1,000, Deduct	-2.21	
For >1,000 To 2,000, Deduct	-4.30	
For >2,000 To 5,000, Deduct	-6.62	
For >5,000, Deduct	-9.93	
33 01 30 71-0025 LF 48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	100.90	
For Up To 75, Add	21.44	
For >75 To 150, Add	10.09	
For >500 To 1,000, Deduct	-2.52	
For >1,000 To 2,000, Deduct	-4.92	
For >2,000 To 5,000, Deduct	-7.57	
For >5,000, Deduct	-11.35	
33 01 30 71-0026 LF 54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	113.51	
For Up To 75, Add	24.12	
For >75 To 150, Add	11.35	
For >500 To 1,000, Deduct	-2.84	
For >1,000 To 2,000, Deduct	-5.53	
For >2,000 To 5,000, Deduct	-8.51	
For >5,000, Deduct	-12.77	
33 01 30 71-0027 LF 60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	126.12	
For Up To 75, Add	26.80	
For >75 To 150, Add	12.61	
For >500 To 1,000, Deduct	-3.15	
For >1,000 To 2,000, Deduct	-6.15	
For >2,000 To 5,000, Deduct	-9.46	
For >5,000, Deduct	-14.19	
33 01 30 71-0028 LF 66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	138.73	
For Up To 75, Add	29.48	
For >75 To 150, Add	13.87	
For >500 To 1,000, Deduct	-3.47	
For >1,000 To 2,000, Deduct	-6.76	
For >2,000 To 5,000, Deduct	-10.40	
For >5,000, Deduct	-15.61	
33 01 30 71-0029 LF 72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	151.35	
For Up To 75, Add	32.16	
For >75 To 150, Add	15.14	
For >500 To 1,000, Deduct	-3.78	
For >1,000 To 2,000, Deduct	-7.38	
For >2,000 To 5,000, Deduct	-11.35	
For >5,000, Deduct	-17.03	
33 01 30 71-0030 LF 78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	163.96	
For Up To 75, Add	34.84	
For >75 To 150, Add	16.40	
For >500 To 1,000, Deduct	-4.10	
For >1,000 To 2,000, Deduct	-7.99	
For >2,000 To 5,000, Deduct	-12.30	
For >5,000, Deduct	-18.44	
33 01 30 71-0031 LF 84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	176.57	
For Up To 75, Add	37.52	
For >75 To 150, Add	17.66	
For >500 To 1,000, Deduct	-4.41	
For >1,000 To 2,000, Deduct	-8.61	
For >2,000 To 5,000, Deduct	-13.24	
For >5,000, Deduct	-19.86	
33 01 30 71-0032 LF 90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	189.18	
For Up To 75, Add	40.20	
For >75 To 150, Add	18.92	
For >500 To 1,000, Deduct	-4.73	
For >1,000 To 2,000, Deduct	-9.22	
For >2,000 To 5,000, Deduct	-14.19	
For >5,000, Deduct	-21.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0033 LF 96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	201.79	
<i>For Up To 75, Add</i>	42.88	
<i>For &gt;75 To 150, Add</i>	20.18	
<i>For &gt;500 To 1,000, Deduct</i>	-5.04	
<i>For &gt;1,000 To 2,000, Deduct</i>	-9.84	
<i>For &gt;2,000 To 5,000, Deduct</i>	-15.13	
<i>For &gt;5,000, Deduct</i>	-22.70	
33 01 30 71-0034 LF 102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	214.41	
<i>For Up To 75, Add</i>	45.56	
<i>For &gt;75 To 150, Add</i>	21.44	
<i>For &gt;500 To 1,000, Deduct</i>	-5.36	
<i>For &gt;1,000 To 2,000, Deduct</i>	-10.45	
<i>For &gt;2,000 To 5,000, Deduct</i>	-16.08	
<i>For &gt;5,000, Deduct</i>	-24.12	
33 01 30 71-0035 LF 108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	227.01	
<i>For Up To 75, Add</i>	48.24	
<i>For &gt;75 To 150, Add</i>	22.70	
<i>For &gt;500 To 1,000, Deduct</i>	-5.67	
<i>For &gt;1,000 To 2,000, Deduct</i>	-11.07	
<i>For &gt;2,000 To 5,000, Deduct</i>	-17.02	
<i>For &gt;5,000, Deduct</i>	-25.54	
33 01 30 71-0036 LF 114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	239.64	
<i>For Up To 75, Add</i>	50.92	
<i>For &gt;75 To 150, Add</i>	23.96	
<i>For &gt;500 To 1,000, Deduct</i>	-5.99	
<i>For &gt;1,000 To 2,000, Deduct</i>	-11.68	
<i>For &gt;2,000 To 5,000, Deduct</i>	-17.97	
<i>For &gt;5,000, Deduct</i>	-26.96	
33 01 30 71-0037 LF 120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	252.25	
<i>For Up To 75, Add</i>	53.60	
<i>For &gt;75 To 150, Add</i>	25.23	
<i>For &gt;500 To 1,000, Deduct</i>	-6.31	
<i>For &gt;1,000 To 2,000, Deduct</i>	-12.30	
<i>For &gt;2,000 To 5,000, Deduct</i>	-18.92	
<i>For &gt;5,000, Deduct</i>	-28.38	
33 01 30 71-0038 SF Structure Lining, Spray Applied With 150 mil Structural Polyurethane .....	8.03	
<b>33 01 30 71-0039 Lining Pipe, Spray Applied With 200 mil Structural Polyurethane</b> <small>(33 01 30 71-0002)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0040 LF 36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	95.53	
<i>For Up To 75, Add</i>	20.10	
<i>For &gt;75 To 150, Add</i>	9.55	
<i>For &gt;500 To 1,000, Deduct</i>	-2.31	
<i>For &gt;1,000 To 2,000, Deduct</i>	-4.52	
<i>For &gt;2,000 To 5,000, Deduct</i>	-6.93	
<i>For &gt;5,000, Deduct</i>	-10.55	
33 01 30 71-0041 LF 42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	111.47	
<i>For Up To 75, Add</i>	23.46	
<i>For &gt;75 To 150, Add</i>	11.15	
<i>For &gt;500 To 1,000, Deduct</i>	-2.69	
<i>For &gt;1,000 To 2,000, Deduct</i>	-5.27	
<i>For &gt;2,000 To 5,000, Deduct</i>	-8.08	
<i>For &gt;5,000, Deduct</i>	-12.31	
33 01 30 71-0042 LF 48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	127.39	
<i>For Up To 75, Add</i>	26.80	
<i>For &gt;75 To 150, Add</i>	12.74	
<i>For &gt;500 To 1,000, Deduct</i>	-3.08	
<i>For &gt;1,000 To 2,000, Deduct</i>	-6.02	
<i>For &gt;2,000 To 5,000, Deduct</i>	-9.24	
<i>For &gt;5,000, Deduct</i>	-14.07	
33 01 30 71-0043 LF 54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	143.31	
<i>For Up To 75, Add</i>	30.15	
<i>For &gt;75 To 150, Add</i>	14.33	
<i>For &gt;500 To 1,000, Deduct</i>	-3.46	
<i>For &gt;1,000 To 2,000, Deduct</i>	-6.78	
<i>For &gt;2,000 To 5,000, Deduct</i>	-10.39	
<i>For &gt;5,000, Deduct</i>	-15.82	
33 01 30 71-0044 LF 60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	159.24	
<i>For Up To 75, Add</i>	33.51	
<i>For &gt;75 To 150, Add</i>	15.92	
<i>For &gt;500 To 1,000, Deduct</i>	-3.85	
<i>For &gt;1,000 To 2,000, Deduct</i>	-7.53	
<i>For &gt;2,000 To 5,000, Deduct</i>	-11.54	
<i>For &gt;5,000, Deduct</i>	-17.58	
33 01 30 71-0045 LF 66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	175.16	
<i>For Up To 75, Add</i>	36.86	
<i>For &gt;75 To 150, Add</i>	17.52	
<i>For &gt;500 To 1,000, Deduct</i>	-4.23	
<i>For &gt;1,000 To 2,000, Deduct</i>	-8.28	
<i>For &gt;2,000 To 5,000, Deduct</i>	-12.70	
<i>For &gt;5,000, Deduct</i>	-19.34	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0046 LF 72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	191.10	
For Up To 75, Add	40.21	
For >75 To 150, Add	19.11	
For >500 To 1,000, Deduct	-4.62	
For >1,000 To 2,000, Deduct	-9.04	
For >2,000 To 5,000, Deduct	-13.85	
For >5,000, Deduct	-21.10	
33 01 30 71-0047 LF 78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	207.00	
For Up To 75, Add	43.56	
For >75 To 150, Add	20.70	
For >500 To 1,000, Deduct	-5.00	
For >1,000 To 2,000, Deduct	-9.79	
For >2,000 To 5,000, Deduct	-15.01	
For >5,000, Deduct	-22.86	
33 01 30 71-0048 LF 84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	222.93	
For Up To 75, Add	46.91	
For >75 To 150, Add	22.29	
For >500 To 1,000, Deduct	-5.39	
For >1,000 To 2,000, Deduct	-10.54	
For >2,000 To 5,000, Deduct	-16.16	
For >5,000, Deduct	-24.61	
33 01 30 71-0049 LF 90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	238.86	
For Up To 75, Add	50.26	
For >75 To 150, Add	23.89	
For >500 To 1,000, Deduct	-5.77	
For >1,000 To 2,000, Deduct	-11.30	
For >2,000 To 5,000, Deduct	-17.32	
For >5,000, Deduct	-26.37	
33 01 30 71-0050 LF 96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	254.79	
For Up To 75, Add	53.61	
For >75 To 150, Add	25.48	
For >500 To 1,000, Deduct	-6.16	
For >1,000 To 2,000, Deduct	-12.05	
For >2,000 To 5,000, Deduct	-18.47	
For >5,000, Deduct	-28.13	
33 01 30 71-0051 LF 102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	270.71	
For Up To 75, Add	56.96	
For >75 To 150, Add	27.07	
For >500 To 1,000, Deduct	-6.54	
For >1,000 To 2,000, Deduct	-12.80	
For >2,000 To 5,000, Deduct	-19.63	
For >5,000, Deduct	-29.89	
33 01 30 71-0052 LF 108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	286.63	
For Up To 75, Add	60.31	
For >75 To 150, Add	28.66	
For >500 To 1,000, Deduct	-6.93	
For >1,000 To 2,000, Deduct	-13.55	
For >2,000 To 5,000, Deduct	-20.78	
For >5,000, Deduct	-31.65	
33 01 30 71-0053 LF 114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	302.56	
For Up To 75, Add	63.66	
For >75 To 150, Add	30.26	
For >500 To 1,000, Deduct	-7.31	
For >1,000 To 2,000, Deduct	-14.31	
For >2,000 To 5,000, Deduct	-21.93	
For >5,000, Deduct	-33.41	
33 01 30 71-0054 LF 120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	318.48	
For Up To 75, Add	67.01	
For >75 To 150, Add	31.85	
For >500 To 1,000, Deduct	-7.70	
For >1,000 To 2,000, Deduct	-15.06	
For >2,000 To 5,000, Deduct	-23.09	
For >5,000, Deduct	-35.17	
33 01 30 71-0055 SF Structure Lining, Spray Applied With 200 mil Structural Polyurethane.....	10.14	
<b>33 01 30 71-0056 Lining Pipe, Spray Applied With 250 mil Structural Polyurethane (33 01 30 71-0002)</b>		
Note: Two part structural polyurethane.		
33 01 30 71-0057 LF 36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	115.50	
For Up To 75, Add	24.15	
For >75 To 150, Add	11.55	
For >500 To 1,000, Deduct	-2.73	
For >1,000 To 2,000, Deduct	-5.35	
For >2,000 To 5,000, Deduct	-8.19	
For >5,000, Deduct	-12.60	
33 01 30 71-0058 LF 42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	134.75	
For Up To 75, Add	28.17	
For >75 To 150, Add	13.48	
For >500 To 1,000, Deduct	-3.18	
For >1,000 To 2,000, Deduct	-6.25	
For >2,000 To 5,000, Deduct	-9.55	
For >5,000, Deduct	-14.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0059 LF 48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	154.00	
<i>For Up To 75, Add</i>	32.20	
<i>For &gt;75 To 150, Add</i>	15.40	
<i>For &gt;500 To 1,000, Deduct</i>	-3.64	
<i>For &gt;1,000 To 2,000, Deduct</i>	-7.14	
<i>For &gt;2,000 To 5,000, Deduct</i>	-10.92	
<i>For &gt;5,000, Deduct</i>	-16.80	
33 01 30 71-0060 LF 54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	173.25	
<i>For Up To 75, Add</i>	36.22	
<i>For &gt;75 To 150, Add</i>	17.33	
<i>For &gt;500 To 1,000, Deduct</i>	-4.09	
<i>For &gt;1,000 To 2,000, Deduct</i>	-8.03	
<i>For &gt;2,000 To 5,000, Deduct</i>	-12.28	
<i>For &gt;5,000, Deduct</i>	-18.90	
33 01 30 71-0061 LF 60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	192.50	
<i>For Up To 75, Add</i>	40.25	
<i>For &gt;75 To 150, Add</i>	19.25	
<i>For &gt;500 To 1,000, Deduct</i>	-4.55	
<i>For &gt;1,000 To 2,000, Deduct</i>	-8.92	
<i>For &gt;2,000 To 5,000, Deduct</i>	-13.64	
<i>For &gt;5,000, Deduct</i>	-21.00	
33 01 30 71-0062 LF 66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	211.75	
<i>For Up To 75, Add</i>	44.27	
<i>For &gt;75 To 150, Add</i>	21.18	
<i>For &gt;500 To 1,000, Deduct</i>	-5.00	
<i>For &gt;1,000 To 2,000, Deduct</i>	-9.81	
<i>For &gt;2,000 To 5,000, Deduct</i>	-15.01	
<i>For &gt;5,000, Deduct</i>	-23.10	
33 01 30 71-0063 LF 72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	231.01	
<i>For Up To 75, Add</i>	48.30	
<i>For &gt;75 To 150, Add</i>	23.10	
<i>For &gt;500 To 1,000, Deduct</i>	-5.46	
<i>For &gt;1,000 To 2,000, Deduct</i>	-10.71	
<i>For &gt;2,000 To 5,000, Deduct</i>	-16.37	
<i>For &gt;5,000, Deduct</i>	-25.20	
33 01 30 71-0064 LF 78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	250.26	
<i>For Up To 75, Add</i>	52.32	
<i>For &gt;75 To 150, Add</i>	25.03	
<i>For &gt;500 To 1,000, Deduct</i>	-5.91	
<i>For &gt;1,000 To 2,000, Deduct</i>	-11.60	
<i>For &gt;2,000 To 5,000, Deduct</i>	-17.74	
<i>For &gt;5,000, Deduct</i>	-27.30	
33 01 30 71-0065 LF 84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	269.50	
<i>For Up To 75, Add</i>	56.34	
<i>For &gt;75 To 150, Add</i>	26.95	
<i>For &gt;500 To 1,000, Deduct</i>	-6.37	
<i>For &gt;1,000 To 2,000, Deduct</i>	-12.49	
<i>For &gt;2,000 To 5,000, Deduct</i>	-19.10	
<i>For &gt;5,000, Deduct</i>	-29.39	
33 01 30 71-0066 LF 90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	288.76	
<i>For Up To 75, Add</i>	60.37	
<i>For &gt;75 To 150, Add</i>	28.88	
<i>For &gt;500 To 1,000, Deduct</i>	-6.82	
<i>For &gt;1,000 To 2,000, Deduct</i>	-13.38	
<i>For &gt;2,000 To 5,000, Deduct</i>	-20.47	
<i>For &gt;5,000, Deduct</i>	-31.49	
33 01 30 71-0067 LF 96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	308.00	
<i>For Up To 75, Add</i>	64.39	
<i>For &gt;75 To 150, Add</i>	30.80	
<i>For &gt;500 To 1,000, Deduct</i>	-7.28	
<i>For &gt;1,000 To 2,000, Deduct</i>	-14.28	
<i>For &gt;2,000 To 5,000, Deduct</i>	-21.83	
<i>For &gt;5,000, Deduct</i>	-33.59	
33 01 30 71-0068 LF 102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	327.25	
<i>For Up To 75, Add</i>	68.42	
<i>For &gt;75 To 150, Add</i>	32.73	
<i>For &gt;500 To 1,000, Deduct</i>	-7.73	
<i>For &gt;1,000 To 2,000, Deduct</i>	-15.17	
<i>For &gt;2,000 To 5,000, Deduct</i>	-23.20	
<i>For &gt;5,000, Deduct</i>	-35.69	
33 01 30 71-0069 LF 108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	346.50	
<i>For Up To 75, Add</i>	72.44	
<i>For &gt;75 To 150, Add</i>	34.65	
<i>For &gt;500 To 1,000, Deduct</i>	-8.19	
<i>For &gt;1,000 To 2,000, Deduct</i>	-16.06	
<i>For &gt;2,000 To 5,000, Deduct</i>	-24.56	
<i>For &gt;5,000, Deduct</i>	-37.79	
33 01 30 71-0070 LF 114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	365.76	
<i>For Up To 75, Add</i>	76.47	
<i>For &gt;75 To 150, Add</i>	36.58	
<i>For &gt;500 To 1,000, Deduct</i>	-8.64	
<i>For &gt;1,000 To 2,000, Deduct</i>	-16.95	
<i>For &gt;2,000 To 5,000, Deduct</i>	-25.93	
<i>For &gt;5,000, Deduct</i>	-39.89	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0071 LF 120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	385.01	
For Up To 75, Add	80.49	
For >75 To 150, Add	38.50	
For >500 To 1,000, Deduct	-9.10	
For >1,000 To 2,000, Deduct	-17.84	
For >2,000 To 5,000, Deduct	-27.29	
For >5,000, Deduct	-41.99	
33 01 30 71-0072 SF Structure Lining, Spray Applied With 250 mil Structural Polyurethane.....	12.26	
<b>33 01 30 71-0073 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane</b> <small>(33 01 30 71-0002)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0074 LF 36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	135.60	
For Up To 75, Add	28.22	
For >75 To 150, Add	13.56	
For >500 To 1,000, Deduct	-3.15	
For >1,000 To 2,000, Deduct	-6.20	
For >2,000 To 5,000, Deduct	-9.46	
For >5,000, Deduct	-14.66	
33 01 30 71-0075 LF 42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	158.19	
For Up To 75, Add	32.92	
For >75 To 150, Add	15.82	
For >500 To 1,000, Deduct	-3.68	
For >1,000 To 2,000, Deduct	-7.23	
For >2,000 To 5,000, Deduct	-11.04	
For >5,000, Deduct	-17.11	
33 01 30 71-0076 LF 48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	180.78	
For Up To 75, Add	37.63	
For >75 To 150, Add	18.08	
For >500 To 1,000, Deduct	-4.20	
For >1,000 To 2,000, Deduct	-8.26	
For >2,000 To 5,000, Deduct	-12.61	
For >5,000, Deduct	-19.55	
33 01 30 71-0077 LF 54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	203.37	
For Up To 75, Add	42.33	
For >75 To 150, Add	20.34	
For >500 To 1,000, Deduct	-4.73	
For >1,000 To 2,000, Deduct	-9.29	
For >2,000 To 5,000, Deduct	-14.19	
For >5,000, Deduct	-21.99	
33 01 30 71-0078 LF 60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	225.99	
For Up To 75, Add	47.04	
For >75 To 150, Add	22.60	
For >500 To 1,000, Deduct	-5.26	
For >1,000 To 2,000, Deduct	-10.33	
For >2,000 To 5,000, Deduct	-15.77	
For >5,000, Deduct	-24.44	
33 01 30 71-0079 LF 66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	248.58	
For Up To 75, Add	51.74	
For >75 To 150, Add	24.86	
For >500 To 1,000, Deduct	-5.78	
For >1,000 To 2,000, Deduct	-11.36	
For >2,000 To 5,000, Deduct	-17.34	
For >5,000, Deduct	-26.88	
33 01 30 71-0080 LF 72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	271.17	
For Up To 75, Add	56.44	
For >75 To 150, Add	27.12	
For >500 To 1,000, Deduct	-6.31	
For >1,000 To 2,000, Deduct	-12.39	
For >2,000 To 5,000, Deduct	-18.92	
For >5,000, Deduct	-29.32	
33 01 30 71-0081 LF 78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	293.76	
For Up To 75, Add	61.14	
For >75 To 150, Add	29.38	
For >500 To 1,000, Deduct	-6.83	
For >1,000 To 2,000, Deduct	-13.42	
For >2,000 To 5,000, Deduct	-20.49	
For >5,000, Deduct	-31.76	
33 01 30 71-0082 LF 84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	316.37	
For Up To 75, Add	65.85	
For >75 To 150, Add	31.64	
For >500 To 1,000, Deduct	-7.36	
For >1,000 To 2,000, Deduct	-14.46	
For >2,000 To 5,000, Deduct	-22.07	
For >5,000, Deduct	-34.21	
33 01 30 71-0083 LF 90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	338.97	
For Up To 75, Add	70.55	
For >75 To 150, Add	33.90	
For >500 To 1,000, Deduct	-7.88	
For >1,000 To 2,000, Deduct	-15.49	
For >2,000 To 5,000, Deduct	-23.65	
For >5,000, Deduct	-36.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0084 LF 96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	361.56	
<i>For Up To 75, Add</i>	75.25	
<i>For &gt;75 To 150, Add</i>	36.16	
<i>For &gt;500 To 1,000, Deduct</i>	-8.41	
<i>For &gt;1,000 To 2,000, Deduct</i>	-16.52	
<i>For &gt;2,000 To 5,000, Deduct</i>	-25.22	
<i>For &gt;5,000, Deduct</i>	-39.10	
33 01 30 71-0085 LF 102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	384.16	
<i>For Up To 75, Add</i>	79.96	
<i>For &gt;75 To 150, Add</i>	38.42	
<i>For &gt;500 To 1,000, Deduct</i>	-8.93	
<i>For &gt;1,000 To 2,000, Deduct</i>	-17.55	
<i>For &gt;2,000 To 5,000, Deduct</i>	-26.80	
<i>For &gt;5,000, Deduct</i>	-41.54	
33 01 30 71-0086 LF 108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	406.76	
<i>For Up To 75, Add</i>	84.66	
<i>For &gt;75 To 150, Add</i>	40.68	
<i>For &gt;500 To 1,000, Deduct</i>	-9.46	
<i>For &gt;1,000 To 2,000, Deduct</i>	-18.59	
<i>For &gt;2,000 To 5,000, Deduct</i>	-28.37	
<i>For &gt;5,000, Deduct</i>	-43.98	
33 01 30 71-0087 LF 114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	429.36	
<i>For Up To 75, Add</i>	89.36	
<i>For &gt;75 To 150, Add</i>	42.94	
<i>For &gt;500 To 1,000, Deduct</i>	-9.98	
<i>For &gt;1,000 To 2,000, Deduct</i>	-19.62	
<i>For &gt;2,000 To 5,000, Deduct</i>	-29.95	
<i>For &gt;5,000, Deduct</i>	-46.43	
33 01 30 71-0088 LF 120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	451.95	
<i>For Up To 75, Add</i>	94.07	
<i>For &gt;75 To 150, Add</i>	45.20	
<i>For &gt;500 To 1,000, Deduct</i>	-10.51	
<i>For &gt;1,000 To 2,000, Deduct</i>	-20.65	
<i>For &gt;2,000 To 5,000, Deduct</i>	-31.53	
<i>For &gt;5,000, Deduct</i>	-48.87	
33 01 30 71-0089 SF Structure Lining, Spray Applied With 300 mil Structural Polyurethane .....	14.39	
<b>33 01 30 71-0090 Lining Pipe, Spray Applied With 400 mil Structural Polyurethane</b> <small>(33 01 30 71-0092)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0091 LF 36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	175.79	
<i>For Up To 75, Add</i>	36.38	
<i>For &gt;75 To 150, Add</i>	17.58	
<i>For &gt;500 To 1,000, Deduct</i>	-4.01	
<i>For &gt;1,000 To 2,000, Deduct</i>	-7.89	
<i>For &gt;2,000 To 5,000, Deduct</i>	-12.02	
<i>For &gt;5,000, Deduct</i>	-18.80	
33 01 30 71-0092 LF 42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	205.09	
<i>For Up To 75, Add</i>	42.45	
<i>For &gt;75 To 150, Add</i>	20.51	
<i>For &gt;500 To 1,000, Deduct</i>	-4.67	
<i>For &gt;1,000 To 2,000, Deduct</i>	-9.20	
<i>For &gt;2,000 To 5,000, Deduct</i>	-14.02	
<i>For &gt;5,000, Deduct</i>	-21.94	
33 01 30 71-0093 LF 48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	234.38	
<i>For Up To 75, Add</i>	48.51	
<i>For &gt;75 To 150, Add</i>	23.44	
<i>For &gt;500 To 1,000, Deduct</i>	-5.34	
<i>For &gt;1,000 To 2,000, Deduct</i>	-10.52	
<i>For &gt;2,000 To 5,000, Deduct</i>	-16.02	
<i>For &gt;5,000, Deduct</i>	-25.07	
33 01 30 71-0094 LF 54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	263.69	
<i>For Up To 75, Add</i>	54.58	
<i>For &gt;75 To 150, Add</i>	26.37	
<i>For &gt;500 To 1,000, Deduct</i>	-6.01	
<i>For &gt;1,000 To 2,000, Deduct</i>	-11.83	
<i>For &gt;2,000 To 5,000, Deduct</i>	-18.03	
<i>For &gt;5,000, Deduct</i>	-28.21	
33 01 30 71-0095 LF 60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	292.97	
<i>For Up To 75, Add</i>	60.64	
<i>For &gt;75 To 150, Add</i>	29.30	
<i>For &gt;500 To 1,000, Deduct</i>	-6.68	
<i>For &gt;1,000 To 2,000, Deduct</i>	-13.15	
<i>For &gt;2,000 To 5,000, Deduct</i>	-20.03	
<i>For &gt;5,000, Deduct</i>	-31.34	
33 01 30 71-0096 LF 66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	322.28	
<i>For Up To 75, Add</i>	66.70	
<i>For &gt;75 To 150, Add</i>	32.23	
<i>For &gt;500 To 1,000, Deduct</i>	-7.34	
<i>For &gt;1,000 To 2,000, Deduct</i>	-14.46	
<i>For &gt;2,000 To 5,000, Deduct</i>	-22.03	
<i>For &gt;5,000, Deduct</i>	-34.47	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0097 LF 72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	351.57	
For Up To 75, Add	72.76	
For >75 To 150, Add	35.16	
For >500 To 1,000, Deduct	-8.01	
For >1,000 To 2,000, Deduct	-15.78	
For >2,000 To 5,000, Deduct	-24.03	
For >5,000, Deduct	-37.61	
33 01 30 71-0098 LF 78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	380.88	
For Up To 75, Add	78.83	
For >75 To 150, Add	38.09	
For >500 To 1,000, Deduct	-8.68	
For >1,000 To 2,000, Deduct	-17.09	
For >2,000 To 5,000, Deduct	-26.04	
For >5,000, Deduct	-40.74	
33 01 30 71-0099 LF 84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	410.17	
For Up To 75, Add	84.89	
For >75 To 150, Add	41.02	
For >500 To 1,000, Deduct	-9.35	
For >1,000 To 2,000, Deduct	-18.41	
For >2,000 To 5,000, Deduct	-28.04	
For >5,000, Deduct	-43.88	
33 01 30 71-0100 LF 90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	439.47	
For Up To 75, Add	90.96	
For >75 To 150, Add	43.95	
For >500 To 1,000, Deduct	-10.01	
For >1,000 To 2,000, Deduct	-19.72	
For >2,000 To 5,000, Deduct	-30.04	
For >5,000, Deduct	-47.01	
33 01 30 71-0101 LF 96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	468.76	
For Up To 75, Add	97.02	
For >75 To 150, Add	46.88	
For >500 To 1,000, Deduct	-10.68	
For >1,000 To 2,000, Deduct	-21.04	
For >2,000 To 5,000, Deduct	-32.05	
For >5,000, Deduct	-50.14	
33 01 30 71-0102 LF 102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	498.07	
For Up To 75, Add	103.09	
For >75 To 150, Add	49.81	
For >500 To 1,000, Deduct	-11.35	
For >1,000 To 2,000, Deduct	-22.35	
For >2,000 To 5,000, Deduct	-34.05	
For >5,000, Deduct	-53.28	
33 01 30 71-0103 LF 108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	527.36	
For Up To 75, Add	109.15	
For >75 To 150, Add	52.74	
For >500 To 1,000, Deduct	-12.02	
For >1,000 To 2,000, Deduct	-23.67	
For >2,000 To 5,000, Deduct	-36.05	
For >5,000, Deduct	-56.41	
33 01 30 71-0104 LF 114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	556.66	
For Up To 75, Add	115.21	
For >75 To 150, Add	55.67	
For >500 To 1,000, Deduct	-12.69	
For >1,000 To 2,000, Deduct	-24.98	
For >2,000 To 5,000, Deduct	-38.06	
For >5,000, Deduct	-59.55	
33 01 30 71-0105 LF 120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	585.96	
For Up To 75, Add	121.28	
For >75 To 150, Add	58.60	
For >500 To 1,000, Deduct	-13.35	
For >1,000 To 2,000, Deduct	-26.30	
For >2,000 To 5,000, Deduct	-40.06	
For >5,000, Deduct	-62.68	
33 01 30 71-0106 SF Structure Lining, Spray Applied With 400 mil Structural Polyurethane.....	18.65	
<b>33 01 30 71-0107 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane (33 01 30 71-0002)</b>		
Note: Two part structural polyurethane.		
33 01 30 71-0108 LF 36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	216.34	
For Up To 75, Add	44.63	
For >75 To 150, Add	21.63	
For >500 To 1,000, Deduct	-4.87	
For >1,000 To 2,000, Deduct	-9.61	
For >2,000 To 5,000, Deduct	-14.61	
For >5,000, Deduct	-23.00	
33 01 30 71-0109 LF 42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	252.38	
For Up To 75, Add	52.06	
For >75 To 150, Add	25.24	
For >500 To 1,000, Deduct	-5.68	
For >1,000 To 2,000, Deduct	-11.21	
For >2,000 To 5,000, Deduct	-17.05	
For >5,000, Deduct	-26.83	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0110 LF 48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	288.43	
For Up To 75, Add	59.50	
For >75 To 150, Add	28.84	
For >500 To 1,000, Deduct	-6.49	
For >1,000 To 2,000, Deduct	-12.81	
For >2,000 To 5,000, Deduct	-19.48	
For >5,000, Deduct	-30.66	
33 01 30 71-0111 LF 54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	324.49	
For Up To 75, Add	66.94	
For >75 To 150, Add	32.45	
For >500 To 1,000, Deduct	-7.31	
For >1,000 To 2,000, Deduct	-14.41	
For >2,000 To 5,000, Deduct	-21.92	
For >5,000, Deduct	-34.49	
33 01 30 71-0112 LF 60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	360.55	
For Up To 75, Add	74.38	
For >75 To 150, Add	36.06	
For >500 To 1,000, Deduct	-8.12	
For >1,000 To 2,000, Deduct	-16.01	
For >2,000 To 5,000, Deduct	-24.36	
For >5,000, Deduct	-38.32	
33 01 30 71-0113 LF 66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	396.61	
For Up To 75, Add	81.82	
For >75 To 150, Add	39.66	
For >500 To 1,000, Deduct	-8.93	
For >1,000 To 2,000, Deduct	-17.61	
For >2,000 To 5,000, Deduct	-26.79	
For >5,000, Deduct	-42.16	
33 01 30 71-0114 LF 72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	432.66	
For Up To 75, Add	89.25	
For >75 To 150, Add	43.27	
For >500 To 1,000, Deduct	-9.74	
For >1,000 To 2,000, Deduct	-19.21	
For >2,000 To 5,000, Deduct	-29.23	
For >5,000, Deduct	-45.99	
33 01 30 71-0115 LF 78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	468.71	
For Up To 75, Add	96.69	
For >75 To 150, Add	46.87	
For >500 To 1,000, Deduct	-10.55	
For >1,000 To 2,000, Deduct	-20.81	
For >2,000 To 5,000, Deduct	-31.66	
For >5,000, Deduct	-49.82	
33 01 30 71-0116 LF 84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	504.77	
For Up To 75, Add	104.13	
For >75 To 150, Add	50.48	
For >500 To 1,000, Deduct	-11.37	
For >1,000 To 2,000, Deduct	-22.41	
For >2,000 To 5,000, Deduct	-34.10	
For >5,000, Deduct	-53.65	
33 01 30 71-0117 LF 90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	540.83	
For Up To 75, Add	111.57	
For >75 To 150, Add	54.08	
For >500 To 1,000, Deduct	-12.18	
For >1,000 To 2,000, Deduct	-24.02	
For >2,000 To 5,000, Deduct	-36.53	
For >5,000, Deduct	-57.49	
33 01 30 71-0118 LF 96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	576.88	
For Up To 75, Add	119.01	
For >75 To 150, Add	57.69	
For >500 To 1,000, Deduct	-12.99	
For >1,000 To 2,000, Deduct	-25.62	
For >2,000 To 5,000, Deduct	-38.97	
For >5,000, Deduct	-61.32	
33 01 30 71-0119 LF 102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	612.94	
For Up To 75, Add	126.44	
For >75 To 150, Add	61.29	
For >500 To 1,000, Deduct	-13.80	
For >1,000 To 2,000, Deduct	-27.22	
For >2,000 To 5,000, Deduct	-41.40	
For >5,000, Deduct	-65.15	
33 01 30 71-0120 LF 108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	648.99	
For Up To 75, Add	133.88	
For >75 To 150, Add	64.90	
For >500 To 1,000, Deduct	-14.61	
For >1,000 To 2,000, Deduct	-28.82	
For >2,000 To 5,000, Deduct	-43.84	
For >5,000, Deduct	-68.98	
33 01 30 71-0121 LF 114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	685.05	
For Up To 75, Add	141.32	
For >75 To 150, Add	68.51	
For >500 To 1,000, Deduct	-15.43	
For >1,000 To 2,000, Deduct	-30.42	
For >2,000 To 5,000, Deduct	-46.28	
For >5,000, Deduct	-72.82	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0122 LF 120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	721.11	
For Up To 75, Add	148.76	
For >75 To 150, Add	72.11	
For >500 To 1,000, Deduct	-16.24	
For >1,000 To 2,000, Deduct	-32.02	
For >2,000 To 5,000, Deduct	-48.71	
For >5,000, Deduct	-76.65	
33 01 30 71-0123 SF Structure Lining, Spray Applied With 500 mil Structural Polyurethane.....	22.95	
<b>33 01 30 72 Cured-in-Place Pipe Lining (33 01 30)</b>		
<b>33 01 30 72-0001 Cured-In-Place Pipe (CIPP) Relining Underground Pipelines (33 01 30 72)</b>		
Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
<b>33 01 30 72-0002 Cured In-Place Pipe (CIPP) Lining Set-Up And Reinsertion (33 01 30 72-0001)</b>		
33 01 30 72-0003 EA Initial Set Up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,474.15	
33 01 30 72-0004 EA Initial Set Up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	2,456.92	
33 01 30 72-0005 EA Initial Set Up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	3,685.38	
33 01 30 72-0006 EA Initial Set Up And Final Equipment Removal For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	4,913.84	
33 01 30 72-0007 EA Move And Reset Up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....	737.08	
33 01 30 72-0008 EA Move And Reset Up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,228.46	
33 01 30 72-0009 EA Move And Reset Up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,535.58	
33 01 30 72-0010 EA Move And Reset Up At Different Access/Location For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,965.53	
33 01 30 72-0011 EA Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) .....	1,228.46	
Note: Need to mix wet material in bag prior to installation.		
33 01 30 72-0012 EA Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	2,948.30	
Note: Need to mix wet material in bag prior to installation.		
33 01 30 72-0013 EA Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	4,913.84	
Note: Need to mix wet material in bag prior to installation.		
33 01 30 72-0014 EA Mixing Truck And Refrigeration For Relining >48" Underground Pipelines Cured In-Place Pipe (CIPP) .....	7,370.76	
Note: Need to mix wet material in bag prior to installation.		
<b>33 01 30 72-0015 Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP)</b>		
(33 01 30 72-0001)		
Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting. Use round equivalent pipe sizes for elliptical, oval or arched pipe.		
<b>33 01 30 72-0016 4.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0017 LF 4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	21.72	
For Vinylster Resin, Add	6.17	
For Epoxy Resin, Add	0.73	
For Up To >10, Add	43.11	
For >10 To 25, Add	34.46	
For >25 To 50, Add	21.11	
For >50 To 100, Add	10.56	
For >500 To 1,000, Deduct	-1.41	
For >1,000 To 2,000, Deduct	-2.27	
For >2,000 To 5,000, Deduct	-4.28	
For >5,000, Deduct	-6.92	
33 01 30 72-0018 LF 4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	26.56	
For Vinylster Resin, Add	9.56	
For Epoxy Resin, Add	1.13	
For Up To >10, Add	45.53	
For >10 To 25, Add	35.67	
For >25 To 50, Add	22.08	
For >50 To 100, Add	11.04	
For >500 To 1,000, Deduct	-1.65	
For >1,000 To 2,000, Deduct	-2.64	
For >2,000 To 5,000, Deduct	-4.86	
For >5,000, Deduct	-7.89	
33 01 30 72-0019 LF 4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	31.40	
For Vinylster Resin, Add	12.95	
For Epoxy Resin, Add	1.53	
For Up To >10, Add	47.95	
For >10 To 25, Add	36.88	
For >25 To 50, Add	23.05	
For >50 To 100, Add	11.53	
For >500 To 1,000, Deduct	-1.89	
For >1,000 To 2,000, Deduct	-3.00	
For >2,000 To 5,000, Deduct	-5.45	
For >5,000, Deduct	-8.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0020 LF 4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	42.31	
For Vinylster Resin, Add	19.73	
For Epoxy Resin, Add	2.32	
For Up To >10, Add	56.48	
For >10 To 25, Add	42.37	
For >25 To 50, Add	26.83	
For >50 To 100, Add	13.42	
For >500 To 1,000, Deduct	-2.47	
For >1,000 To 2,000, Deduct	-3.88	
For >2,000 To 5,000, Deduct	-6.91	
For >5,000, Deduct	-11.29	
33 01 30 72-0021 LF 4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	53.20	
For Vinylster Resin, Add	26.50	
For Epoxy Resin, Add	3.12	
For Up To >10, Add	64.98	
For >10 To 25, Add	47.84	
For >25 To 50, Add	30.60	
For >50 To 100, Add	15.30	
For >500 To 1,000, Deduct	-3.04	
For >1,000 To 2,000, Deduct	-4.76	
For >2,000 To 5,000, Deduct	-8.38	
For >5,000, Deduct	-13.71	
<b>33 01 30 72-0022 6mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0023 LF 6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	30.73	
For Vinylster Resin, Add	12.48	
For Epoxy Resin, Add	1.47	
For Up To >10, Add	47.62	
For >10 To 25, Add	36.71	
For >25 To 50, Add	22.92	
For >50 To 100, Add	11.46	
For >500 To 1,000, Deduct	-1.86	
For >1,000 To 2,000, Deduct	-2.95	
For >2,000 To 5,000, Deduct	-5.36	
For >5,000, Deduct	-8.73	
33 01 30 72-0024 LF 6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	37.18	
For Vinylster Resin, Add	17.00	
For Epoxy Resin, Add	2.00	
For Up To >10, Add	50.84	
For >10 To 25, Add	38.32	
For >25 To 50, Add	24.21	
For >50 To 100, Add	12.10	
For >500 To 1,000, Deduct	-2.18	
For >1,000 To 2,000, Deduct	-3.43	
For >2,000 To 5,000, Deduct	-6.14	
For >5,000, Deduct	-10.02	
33 01 30 72-0025 LF 6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	51.32	
For Vinylster Resin, Add	26.03	
For Epoxy Resin, Add	3.07	
For Up To >10, Add	60.99	
For >10 To 25, Add	44.62	
For >25 To 50, Add	28.63	
For >50 To 100, Add	14.32	
For >500 To 1,000, Deduct	-2.92	
For >1,000 To 2,000, Deduct	-4.56	
For >2,000 To 5,000, Deduct	-8.00	
For >5,000, Deduct	-13.09	
33 01 30 72-0026 LF 6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	65.44	
For Vinylster Resin, Add	35.06	
For Epoxy Resin, Add	4.13	
For Up To >10, Add	71.10	
For >10 To 25, Add	50.90	
For >25 To 50, Add	33.04	
For >50 To 100, Add	16.52	
For >500 To 1,000, Deduct	-3.66	
For >1,000 To 2,000, Deduct	-5.68	
For >2,000 To 5,000, Deduct	-9.85	
For >5,000, Deduct	-16.16	
33 01 30 72-0027 LF 6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	79.70	
For Vinylster Resin, Add	44.09	
For Epoxy Resin, Add	5.20	
For Up To >10, Add	81.63	
For >10 To 25, Add	57.52	
For >25 To 50, Add	37.66	
For >50 To 100, Add	18.83	
For >500 To 1,000, Deduct	-4.40	
For >1,000 To 2,000, Deduct	-6.81	
For >2,000 To 5,000, Deduct	-11.74	
For >5,000, Deduct	-19.28	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0028 LF 6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	94.33	
For Vinlyester Resin, Add	53.13	
For Epoxy Resin, Add	6.26	
For Up To >10, Add	93.24	
For >10 To 25, Add	65.05	
For >25 To 50, Add	42.83	
For >50 To 100, Add	21.41	
For >500 To 1,000, Deduct	-5.18	
For >1,000 To 2,000, Deduct	-8.00	
For >2,000 To 5,000, Deduct	-13.72	
For >5,000, Deduct	-22.55	
<b>33 01 30 72-0029 7.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small></b>		
33 01 30 72-0030 LF 7.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	42.78	
For Vinlyester Resin, Add	20.92	
For Epoxy Resin, Add	2.47	
For Up To >10, Add	53.64	
For >10 To 25, Add	39.72	
For >25 To 50, Add	25.33	
For >50 To 100, Add	12.66	
For >500 To 1,000, Deduct	-2.46	
For >1,000 To 2,000, Deduct	-3.85	
For >2,000 To 5,000, Deduct	-6.81	
For >5,000, Deduct	-11.14	
33 01 30 72-0031 LF 7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	60.13	
For Vinlyester Resin, Add	32.20	
For Epoxy Resin, Add	3.80	
For Up To >10, Add	65.39	
For >10 To 25, Add	46.83	
For >25 To 50, Add	30.40	
For >50 To 100, Add	15.20	
For >500 To 1,000, Deduct	-3.36	
For >1,000 To 2,000, Deduct	-5.22	
For >2,000 To 5,000, Deduct	-9.05	
For >5,000, Deduct	-14.85	
33 01 30 72-0032 LF 7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	77.49	
For Vinlyester Resin, Add	43.50	
For Epoxy Resin, Add	5.13	
For Up To >10, Add	77.12	
For >10 To 25, Add	53.91	
For >25 To 50, Add	35.45	
For >50 To 100, Add	17.73	
For >500 To 1,000, Deduct	-4.26	
For >1,000 To 2,000, Deduct	-6.58	
For >2,000 To 5,000, Deduct	-11.29	
For >5,000, Deduct	-18.57	
33 01 30 72-0033 LF 7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	94.97	
For Vinlyester Resin, Add	54.78	
For Epoxy Resin, Add	6.46	
For Up To >10, Add	89.26	
For >10 To 25, Add	61.34	
For >25 To 50, Add	40.72	
For >50 To 100, Add	20.36	
For >500 To 1,000, Deduct	-5.17	
For >1,000 To 2,000, Deduct	-7.96	
For >2,000 To 5,000, Deduct	-13.57	
For >5,000, Deduct	-22.34	
33 01 30 72-0034 LF 7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	112.82	
For Vinlyester Resin, Add	66.07	
For Epoxy Resin, Add	7.79	
For Up To >10, Add	102.49	
For >10 To 25, Add	69.67	
For >25 To 50, Add	46.52	
For >50 To 100, Add	23.26	
For >500 To 1,000, Deduct	-6.10	
For >1,000 To 2,000, Deduct	-9.38	
For >2,000 To 5,000, Deduct	-15.93	
For >5,000, Deduct	-26.25	
33 01 30 72-0035 LF 7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	139.48	
For Vinlyester Resin, Add	83.01	
For Epoxy Resin, Add	9.78	
For Up To >10, Add	121.97	
For >10 To 25, Add	81.87	
For >25 To 50, Add	55.05	
For >50 To 100, Add	27.53	
For >500 To 1,000, Deduct	-7.50	
For >1,000 To 2,000, Deduct	-11.51	
For >2,000 To 5,000, Deduct	-19.45	
For >5,000, Deduct	-32.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0036 LF 7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	166.37	
For Vinlyester Resin, Add	99.95	
For Epoxy Resin, Add	11.78	
For Up To >10, Add	142.16	
For >10 To 25, Add	94.67	
For >25 To 50, Add	63.94	
For >50 To 100, Add	31.97	
For >500 To 1,000, Deduct	-8.91	
For >1,000 To 2,000, Deduct	-13.66	
For >2,000 To 5,000, Deduct	-23.03	
For >5,000, Deduct	-37.99	
33 01 30 72-0037 9mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0038 LF 9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	68.76	
For Vinlyester Resin, Add	38.24	
For Epoxy Resin, Add	4.51	
For Up To >10, Add	69.71	
For >10 To 25, Add	48.98	
For >25 To 50, Add	32.12	
For >50 To 100, Add	16.06	
For >500 To 1,000, Deduct	-3.79	
For >1,000 To 2,000, Deduct	-5.86	
For >2,000 To 5,000, Deduct	-10.09	
For >5,000, Deduct	-16.58	
33 01 30 72-0039 LF 9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	89.34	
For Vinlyester Resin, Add	51.79	
For Epoxy Resin, Add	6.10	
For Up To >10, Add	83.05	
For >10 To 25, Add	56.87	
For >25 To 50, Add	37.82	
For >50 To 100, Add	18.91	
For >500 To 1,000, Deduct	-4.85	
For >1,000 To 2,000, Deduct	-7.47	
For >2,000 To 5,000, Deduct	-12.72	
For >5,000, Deduct	-20.94	
33 01 30 72-0040 LF 9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	110.06	
For Vinlyester Resin, Add	65.35	
For Epoxy Resin, Add	7.70	
For Up To >10, Add	96.81	
For >10 To 25, Add	65.11	
For >25 To 50, Add	43.74	
For >50 To 100, Add	21.87	
For >500 To 1,000, Deduct	-5.92	
For >1,000 To 2,000, Deduct	-9.09	
For >2,000 To 5,000, Deduct	-15.38	
For >5,000, Deduct	-25.35	
33 01 30 72-0041 LF 9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	131.13	
For Vinlyester Resin, Add	78.89	
For Epoxy Resin, Add	9.30	
For Up To >10, Add	111.64	
For >10 To 25, Add	74.25	
For >25 To 50, Add	50.19	
For >50 To 100, Add	25.09	
For >500 To 1,000, Deduct	-7.02	
For >1,000 To 2,000, Deduct	-10.76	
For >2,000 To 5,000, Deduct	-18.13	
For >5,000, Deduct	-29.91	
33 01 30 72-0042 LF 9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	162.62	
For Vinlyester Resin, Add	99.21	
For Epoxy Resin, Add	11.69	
For Up To >10, Add	133.54	
For >10 To 25, Add	87.66	
For >25 To 50, Add	59.68	
For >50 To 100, Add	29.84	
For >500 To 1,000, Deduct	-8.65	
For >1,000 To 2,000, Deduct	-13.24	
For >2,000 To 5,000, Deduct	-22.23	
For >5,000, Deduct	-36.70	
33 01 30 72-0043 LF 9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	194.35	
For Vinlyester Resin, Add	119.53	
For Epoxy Resin, Add	14.09	
For Up To >10, Add	156.15	
For >10 To 25, Add	101.67	
For >25 To 50, Add	69.54	
For >50 To 100, Add	34.77	
For >500 To 1,000, Deduct	-10.31	
For >1,000 To 2,000, Deduct	-15.76	
For >2,000 To 5,000, Deduct	-26.39	
For >5,000, Deduct	-43.59	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0044	LF		9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	225.34	
			For Vinlyester Resin, Add	139.85	
			For Epoxy Resin, Add	16.48	
			For Up To >10, Add	176.55	
			For >10 To 25, Add	113.82	
			For >25 To 50, Add	78.28	
			For >50 To 100, Add	39.14	
			For >500 To 1,000, Deduct	-11.91	
			For >1,000 To 2,000, Deduct	-18.18	
			For >2,000 To 5,000, Deduct	-30.36	
			For >5,000, Deduct	-50.18	
33 01 30 72-0045	LF		9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	256.71	
			For Vinlyester Resin, Add	160.18	
			For Epoxy Resin, Add	18.88	
			For Up To >10, Add	198.06	
			For >10 To 25, Add	126.91	
			For >25 To 50, Add	87.59	
			For >50 To 100, Add	43.79	
			For >500 To 1,000, Deduct	-13.53	
			For >1,000 To 2,000, Deduct	-20.65	
			For >2,000 To 5,000, Deduct	-34.43	
			For >5,000, Deduct	-56.92	
<b>33 01 30 72-0046</b>			<b>10.5mm Thick Lining Cured In-Place Pipe</b> (33 01 30 72-0015)		
33 01 30 72-0047	LF		10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	185.58	
			For Vinlyester Resin, Add	115.28	
			For Epoxy Resin, Add	13.59	
			For Up To >10, Add	145.02	
			For >10 To 25, Add	93.40	
			For >25 To 50, Add	64.27	
			For >50 To 100, Add	32.14	
			For >500 To 1,000, Deduct	-9.80	
			For >1,000 To 2,000, Deduct	-14.96	
			For >2,000 To 5,000, Deduct	-24.99	
			For >5,000, Deduct	-41.29	
33 01 30 72-0048	LF		10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	222.14	
			For Vinlyester Resin, Add	138.99	
			For Epoxy Resin, Add	16.38	
			For Up To >10, Add	170.05	
			For >10 To 25, Add	108.61	
			For >25 To 50, Add	75.10	
			For >50 To 100, Add	37.55	
			For >500 To 1,000, Deduct	-11.70	
			For >1,000 To 2,000, Deduct	-17.84	
			For >2,000 To 5,000, Deduct	-29.72	
			For >5,000, Deduct	-49.15	
33 01 30 72-0049	LF		10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	257.98	
			For Vinlyester Resin, Add	162.70	
			For Epoxy Resin, Add	19.18	
			For Up To >10, Add	192.87	
			For >10 To 25, Add	121.98	
			For >25 To 50, Add	84.81	
			For >50 To 100, Add	42.41	
			For >500 To 1,000, Deduct	-13.54	
			For >1,000 To 2,000, Deduct	-20.63	
			For >2,000 To 5,000, Deduct	-34.28	
			For >5,000, Deduct	-56.71	
33 01 30 72-0050	LF		10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	294.18	
			For Vinlyester Resin, Add	186.41	
			For Epoxy Resin, Add	21.97	
			For Up To >10, Add	216.79	
			For >10 To 25, Add	136.28	
			For >25 To 50, Add	95.08	
			For >50 To 100, Add	47.54	
			For >500 To 1,000, Deduct	-15.41	
			For >1,000 To 2,000, Deduct	-23.46	
			For >2,000 To 5,000, Deduct	-38.93	
			For >5,000, Deduct	-64.41	
33 01 30 72-0051	LF		10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	330.88	
			For Vinlyester Resin, Add	210.12	
			For Epoxy Resin, Add	24.76	
			For Up To >10, Add	242.22	
			For >10 To 25, Add	151.82	
			For >25 To 50, Add	106.10	
			For >50 To 100, Add	53.05	
			For >500 To 1,000, Deduct	-17.31	
			For >1,000 To 2,000, Deduct	-26.35	
			For >2,000 To 5,000, Deduct	-43.70	
			For >5,000, Deduct	-72.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0052 LF 10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	368.20	
For Vinylster Resin, Add	233.83	
For Epoxy Resin, Add	27.56	
For Up To >10, Add	269.50	
For >10 To 25, Add	168.91	
For >25 To 50, Add	118.05	
For >50 To 100, Add	59.02	
For >500 To 1,000, Deduct	-19.26	
For >1,000 To 2,000, Deduct	-29.32	
For >2,000 To 5,000, Deduct	-48.62	
For >5,000, Deduct	-80.47	
33 01 30 72-0053 LF 10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	440.23	
For Vinylster Resin, Add	281.25	
For Epoxy Resin, Add	33.15	
For Up To >10, Add	316.24	
For >10 To 25, Add	196.57	
For >25 To 50, Add	138.03	
For >50 To 100, Add	69.02	
For >500 To 1,000, Deduct	-22.97	
For >1,000 To 2,000, Deduct	-34.94	
For >2,000 To 5,000, Deduct	-57.83	
For >5,000, Deduct	-95.74	
<b>33 01 30 72-0054 12mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0055 LF 12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	208.34	
For Vinylster Resin, Add	131.22	
For Epoxy Resin, Add	15.46	
For Up To >10, Add	156.40	
For >10 To 25, Add	99.09	
For >25 To 50, Add	68.83	
For >50 To 100, Add	34.41	
For >500 To 1,000, Deduct	-10.94	
For >1,000 To 2,000, Deduct	-16.67	
For >2,000 To 5,000, Deduct	-27.72	
For >5,000, Deduct	-45.85	
33 01 30 72-0056 LF 12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	249.75	
For Vinylster Resin, Add	158.31	
For Epoxy Resin, Add	18.66	
For Up To >10, Add	183.85	
For >10 To 25, Add	115.52	
For >25 To 50, Add	80.62	
For >50 To 100, Add	40.31	
For >500 To 1,000, Deduct	-13.08	
For >1,000 To 2,000, Deduct	-19.91	
For >2,000 To 5,000, Deduct	-33.04	
For >5,000, Deduct	-54.67	
33 01 30 72-0057 LF 12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	290.42	
For Vinylster Resin, Add	185.41	
For Epoxy Resin, Add	21.85	
For Up To >10, Add	209.09	
For >10 To 25, Add	130.09	
For >25 To 50, Add	91.30	
For >50 To 100, Add	45.65	
For >500 To 1,000, Deduct	-15.16	
For >1,000 To 2,000, Deduct	-23.06	
For >2,000 To 5,000, Deduct	-38.17	
For >5,000, Deduct	-63.19	
33 01 30 72-0058 LF 12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	331.46	
For Vinylster Resin, Add	212.51	
For Epoxy Resin, Add	25.05	
For Up To >10, Add	235.43	
For >10 To 25, Add	145.60	
For >25 To 50, Add	102.54	
For >50 To 100, Add	51.27	
For >500 To 1,000, Deduct	-17.27	
For >1,000 To 2,000, Deduct	-26.25	
For >2,000 To 5,000, Deduct	-43.40	
For >5,000, Deduct	-71.87	
33 01 30 72-0059 LF 12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	373.00	
For Vinylster Resin, Add	239.60	
For Epoxy Resin, Add	28.24	
For Up To >10, Add	263.28	
For >10 To 25, Add	162.35	
For >25 To 50, Add	114.52	
For >50 To 100, Add	57.26	
For >500 To 1,000, Deduct	-19.42	
For >1,000 To 2,000, Deduct	-29.51	
For >2,000 To 5,000, Deduct	-48.75	
For >5,000, Deduct	-80.74	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0060	LF 12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	415.16
	For Vinlyester Resin, Add	266.70
	For Epoxy Resin, Add	31.43
	For Up To >10, Add	292.98
	For >10 To 25, Add	180.65
	For >25 To 50, Add	127.44
	For >50 To 100, Add	63.72
	For >500 To 1,000, Deduct	-21.61
	For >1,000 To 2,000, Deduct	-32.85
	For >2,000 To 5,000, Deduct	-54.26
	For >5,000, Deduct	-89.86
33 01 30 72-0061	LF 12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	496.87
	For Vinlyester Resin, Add	320.89
	For Epoxy Resin, Add	37.82
	For Up To >10, Add	344.56
	For >10 To 25, Add	210.73
	For >25 To 50, Add	149.36
	For >50 To 100, Add	74.68
	For >500 To 1,000, Deduct	-25.80
	For >1,000 To 2,000, Deduct	-39.19
	For >2,000 To 5,000, Deduct	-64.62
	For >5,000, Deduct	-107.06
33 01 30 72-0062	LF 12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	579.70
	For Vinlyester Resin, Add	375.09
	For Epoxy Resin, Add	44.21
	For Up To >10, Add	399.50
	For >10 To 25, Add	243.61
	For >25 To 50, Add	172.96
	For >50 To 100, Add	86.48
	For >500 To 1,000, Deduct	-30.08
	For >1,000 To 2,000, Deduct	-45.67
	For >2,000 To 5,000, Deduct	-75.27
	For >5,000, Deduct	-124.71
33 01 30 72-0063	LF 12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	664.48
	For Vinlyester Resin, Add	429.28
	For Epoxy Resin, Add	50.59
	For Up To >10, Add	460.32
	For >10 To 25, Add	281.39
	For >25 To 50, Add	199.50
	For >50 To 100, Add	99.75
	For >500 To 1,000, Deduct	-34.50
	For >1,000 To 2,000, Deduct	-52.40
	For >2,000 To 5,000, Deduct	-86.40
	For >5,000, Deduct	-143.14
<b>33 01 30 72-0064</b>	<b>13.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small> .....	<b>230.91</b>
33 01 30 72-0065	LF 13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	230.91
	For Vinlyester Resin, Add	147.01
	For Epoxy Resin, Add	17.33
	For Up To >10, Add	167.68
	For >10 To 25, Add	104.73
	For >25 To 50, Add	73.34
	For >50 To 100, Add	36.67
	For >500 To 1,000, Deduct	-12.07
	For >1,000 To 2,000, Deduct	-18.36
	For >2,000 To 5,000, Deduct	-30.42
	For >5,000, Deduct	-50.36
33 01 30 72-0066	LF 13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	277.17
	For Vinlyester Resin, Add	177.51
	For Epoxy Resin, Add	20.92
	For Up To >10, Add	197.56
	For >10 To 25, Add	122.37
	For >25 To 50, Add	86.10
	For >50 To 100, Add	43.05
	For >500 To 1,000, Deduct	-14.45
	For >1,000 To 2,000, Deduct	-21.97
	For >2,000 To 5,000, Deduct	-36.33
	For >5,000, Deduct	-60.15
33 01 30 72-0067	LF 13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	322.68
	For Vinlyester Resin, Add	207.99
	For Epoxy Resin, Add	24.51
	For Up To >10, Add	225.22
	For >10 To 25, Add	138.16
	For >25 To 50, Add	97.75
	For >50 To 100, Add	48.88
	For >500 To 1,000, Deduct	-16.77
	For >1,000 To 2,000, Deduct	-25.48
	For >2,000 To 5,000, Deduct	-42.04
	For >5,000, Deduct	-69.65





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0068 LF 13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	368.55	
For Vinylster Resin, Add	238.47	
For Epoxy Resin, Add	28.11	
For Up To >10, Add	253.98	
For >10 To 25, Add	154.87	
For >25 To 50, Add	109.95	
For >50 To 100, Add	54.98	
For >500 To 1,000, Deduct	-19.12	
For >1,000 To 2,000, Deduct	-29.04	
For >2,000 To 5,000, Deduct	-47.85	
For >5,000, Deduct	-79.29	
33 01 30 72-0069 LF 13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	414.93	
For Vinylster Resin, Add	268.95	
For Epoxy Resin, Add	31.70	
For Up To >10, Add	284.24	
For >10 To 25, Add	172.83	
For >25 To 50, Add	122.91	
For >50 To 100, Add	61.45	
For >500 To 1,000, Deduct	-21.51	
For >1,000 To 2,000, Deduct	-32.66	
For >2,000 To 5,000, Deduct	-53.78	
For >5,000, Deduct	-89.13	
33 01 30 72-0070 LF 13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	461.93	
For Vinylster Resin, Add	299.44	
For Epoxy Resin, Add	35.29	
For Up To >10, Add	316.37	
For >10 To 25, Add	192.34	
For >25 To 50, Add	136.79	
For >50 To 100, Add	68.40	
For >500 To 1,000, Deduct	-23.95	
For >1,000 To 2,000, Deduct	-36.35	
For >2,000 To 5,000, Deduct	-59.87	
For >5,000, Deduct	-99.22	
33 01 30 72-0071 LF 13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	553.31	
For Vinylster Resin, Add	360.40	
For Epoxy Resin, Add	42.48	
For Up To >10, Add	372.78	
For >10 To 25, Add	224.84	
For >25 To 50, Add	160.65	
For >50 To 100, Add	80.32	
For >500 To 1,000, Deduct	-28.63	
For >1,000 To 2,000, Deduct	-43.42	
For >2,000 To 5,000, Deduct	-71.40	
For >5,000, Deduct	-118.35	
33 01 30 72-0072 LF 13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	645.82	
For Vinylster Resin, Add	421.37	
For Epoxy Resin, Add	49.66	
For Up To >10, Add	432.56	
For >10 To 25, Add	260.14	
For >25 To 50, Add	186.18	
For >50 To 100, Add	93.09	
For >500 To 1,000, Deduct	-33.39	
For >1,000 To 2,000, Deduct	-50.63	
For >2,000 To 5,000, Deduct	-83.20	
For >5,000, Deduct	-137.94	
33 01 30 72-0073 LF 13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	740.29	
For Vinylster Resin, Add	482.34	
For Epoxy Resin, Add	56.85	
For Up To >10, Add	498.22	
For >10 To 25, Add	300.34	
For >25 To 50, Add	214.66	
For >50 To 100, Add	107.33	
For >500 To 1,000, Deduct	-38.30	
For >1,000 To 2,000, Deduct	-58.08	
For >2,000 To 5,000, Deduct	-95.49	
For >5,000, Deduct	-158.30	
<b>33 01 30 72-0074 15mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>.....</b>	<b>253.30</b>	
33 01 30 72-0075 LF 15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	253.30	
For Vinylster Resin, Add	162.69	
For Epoxy Resin, Add	19.17	
For Up To >10, Add	178.88	
For >10 To 25, Add	110.33	
For >25 To 50, Add	77.82	
For >50 To 100, Add	38.91	
For >500 To 1,000, Deduct	-13.19	
For >1,000 To 2,000, Deduct	-20.04	
For >2,000 To 5,000, Deduct	-33.11	
For >5,000, Deduct	-54.84	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0076 LF 15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	304.39	
For Vinlyester Resin, Add	196.56	
For Epoxy Resin, Add	23.17	
For Up To >10, Add	211.17	
For >10 To 25, Add	129.18	
For >25 To 50, Add	91.55	
For >50 To 100, Add	45.77	
For >500 To 1,000, Deduct	-15.81	
For >1,000 To 2,000, Deduct	-24.01	
For >2,000 To 5,000, Deduct	-39.59	
For >5,000, Deduct	-65.60	
33 01 30 72-0077 LF 15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	354.73	
For Vinlyester Resin, Add	230.43	
For Epoxy Resin, Add	27.16	
For Up To >10, Add	241.24	
For >10 To 25, Add	146.17	
For >25 To 50, Add	104.16	
For >50 To 100, Add	52.08	
For >500 To 1,000, Deduct	-18.38	
For >1,000 To 2,000, Deduct	-27.88	
For >2,000 To 5,000, Deduct	-45.89	
For >5,000, Deduct	-76.06	
33 01 30 72-0078 LF 15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	405.45	
For Vinlyester Resin, Add	264.30	
For Epoxy Resin, Add	31.15	
For Up To >10, Add	272.43	
For >10 To 25, Add	164.09	
For >25 To 50, Add	117.33	
For >50 To 100, Add	58.67	
For >500 To 1,000, Deduct	-20.97	
For >1,000 To 2,000, Deduct	-31.80	
For >2,000 To 5,000, Deduct	-52.28	
For >5,000, Deduct	-86.67	
33 01 30 72-0079 LF 15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	456.67	
For Vinlyester Resin, Add	298.17	
For Epoxy Resin, Add	35.14	
For Up To >10, Add	305.11	
For >10 To 25, Add	183.27	
For >25 To 50, Add	131.26	
For >50 To 100, Add	65.63	
For >500 To 1,000, Deduct	-23.60	
For >1,000 To 2,000, Deduct	-35.79	
For >2,000 To 5,000, Deduct	-58.79	
For >5,000, Deduct	-97.48	
33 01 30 72-0080 LF 15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	508.51	
For Vinlyester Resin, Add	332.05	
For Epoxy Resin, Add	39.13	
For Up To >10, Add	339.66	
For >10 To 25, Add	203.99	
For >25 To 50, Add	146.11	
For >50 To 100, Add	73.06	
For >500 To 1,000, Deduct	-26.28	
For >1,000 To 2,000, Deduct	-39.85	
For >2,000 To 5,000, Deduct	-65.46	
For >5,000, Deduct	-108.53	
33 01 30 72-0081 LF 15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	609.57	
For Vinlyester Resin, Add	399.78	
For Epoxy Resin, Add	47.12	
For Up To >10, Add	400.91	
For >10 To 25, Add	238.91	
For >25 To 50, Add	171.90	
For >50 To 100, Add	85.95	
For >500 To 1,000, Deduct	-31.44	
For >1,000 To 2,000, Deduct	-47.64	
For >2,000 To 5,000, Deduct	-78.15	
For >5,000, Deduct	-129.60	
33 01 30 72-0082 LF 15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	711.75	
For Vinlyester Resin, Add	467.52	
For Epoxy Resin, Add	55.10	
For Up To >10, Add	465.53	
For >10 To 25, Add	276.62	
For >25 To 50, Add	199.37	
For >50 To 100, Add	99.68	
For >500 To 1,000, Deduct	-36.68	
For >1,000 To 2,000, Deduct	-55.57	
For >2,000 To 5,000, Deduct	-91.11	
For >5,000, Deduct	-151.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0083 LF 15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	815.90	
For Vinylster Resin, Add	535.27	
For Epoxy Resin, Add	63.09	
For Up To >10, Add	536.03	
For >10 To 25, Add	319.24	
For >25 To 50, Add	229.78	
For >50 To 100, Add	114.89	
For >500 To 1,000, Deduct	-42.08	
For >1,000 To 2,000, Deduct	-63.75	
For >2,000 To 5,000, Deduct	-104.57	
For >5,000, Deduct	-173.43	
33 01 30 72-0084 16.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0085 LF 16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	331.42	
For Vinylster Resin, Add	215.48	
For Epoxy Resin, Add	25.40	
For Up To >10, Add	224.69	
For >10 To 25, Add	135.93	
For >25 To 50, Add	96.95	
For >50 To 100, Add	48.48	
For >500 To 1,000, Deduct	-17.16	
For >1,000 To 2,000, Deduct	-26.04	
For >2,000 To 5,000, Deduct	-42.84	
For >5,000, Deduct	-71.00	
33 01 30 72-0086 LF 16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	386.60	
For Vinylster Resin, Add	252.74	
For Epoxy Resin, Add	29.79	
For Up To >10, Add	257.18	
For >10 To 25, Add	154.14	
For >25 To 50, Add	110.54	
For >50 To 100, Add	55.27	
For >500 To 1,000, Deduct	-19.97	
For >1,000 To 2,000, Deduct	-30.27	
For >2,000 To 5,000, Deduct	-49.71	
For >5,000, Deduct	-82.43	
33 01 30 72-0087 LF 16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	442.16	
For Vinylster Resin, Add	290.00	
For Epoxy Resin, Add	34.18	
For Up To >10, Add	290.78	
For >10 To 25, Add	173.27	
For >25 To 50, Add	124.68	
For >50 To 100, Add	62.34	
For >500 To 1,000, Deduct	-22.81	
For >1,000 To 2,000, Deduct	-34.56	
For >2,000 To 5,000, Deduct	-56.68	
For >5,000, Deduct	-94.01	
33 01 30 72-0088 LF 16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	498.22	
For Vinylster Resin, Add	327.26	
For Epoxy Resin, Add	38.57	
For Up To >10, Add	325.89	
For >10 To 25, Add	193.65	
For >25 To 50, Add	139.57	
For >50 To 100, Add	69.78	
For >500 To 1,000, Deduct	-25.68	
For >1,000 To 2,000, Deduct	-38.90	
For >2,000 To 5,000, Deduct	-63.78	
For >5,000, Deduct	-105.79	
33 01 30 72-0089 LF 16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	554.89	
For Vinylster Resin, Add	364.51	
For Epoxy Resin, Add	42.96	
For Up To >10, Add	362.85	
For >10 To 25, Add	215.58	
For >25 To 50, Add	155.39	
For >50 To 100, Add	77.69	
For >500 To 1,000, Deduct	-28.60	
For >1,000 To 2,000, Deduct	-43.32	
For >2,000 To 5,000, Deduct	-71.03	
For >5,000, Deduct	-117.81	
33 01 30 72-0090 LF 16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	665.64	
For Vinylster Resin, Add	439.03	
For Epoxy Resin, Add	51.74	
For Up To >10, Add	428.95	
For >10 To 25, Add	252.92	
For >25 To 50, Add	183.11	
For >50 To 100, Add	91.56	
For >500 To 1,000, Deduct	-34.24	
For >1,000 To 2,000, Deduct	-51.85	
For >2,000 To 5,000, Deduct	-84.88	
For >5,000, Deduct	-140.82	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0091	LF		16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	777.49	
			For Vinylster Resin, Add	513.54	
			For Epoxy Resin, Add	60.52	
			For Up To >10, Add	498.40	
			For >10 To 25, Add	293.06	
			For >25 To 50, Add	212.52	
			For >50 To 100, Add	106.26	
			For >500 To 1,000, Deduct	-39.97	
			For >1,000 To 2,000, Deduct	-60.50	
			For >2,000 To 5,000, Deduct	-99.00	
			For >5,000, Deduct	-164.27	
33 01 30 72-0092	LF		16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	891.32	
			For Vinylster Resin, Add	588.06	
			For Epoxy Resin, Add	69.31	
			For Up To >10, Add	573.74	
			For >10 To 25, Add	338.10	
			For >25 To 50, Add	244.86	
			For >50 To 100, Add	122.43	
			For >500 To 1,000, Deduct	-45.85	
			For >1,000 To 2,000, Deduct	-69.41	
			For >2,000 To 5,000, Deduct	-113.62	
			For >5,000, Deduct	-188.51	
33 01 30 72-0093	LF		16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,004.28	
			For Vinylster Resin, Add	662.58	
			For Epoxy Resin, Add	78.09	
			For Up To >10, Add	646.49	
			For >10 To 25, Add	380.99	
			For >25 To 50, Add	275.92	
			For >50 To 100, Add	137.96	
			For >500 To 1,000, Deduct	-51.66	
			For >1,000 To 2,000, Deduct	-78.21	
			For >2,000 To 5,000, Deduct	-128.02	
			For >5,000, Deduct	-212.40	
<b>33 01 30 72-0094</b>			<b>18mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0095	LF		18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	358.87	
			For Vinylster Resin, Add	234.27	
			For Epoxy Resin, Add	27.61	
			For Up To >10, Add	239.94	
			For >10 To 25, Add	144.17	
			For >25 To 50, Add	103.23	
			For >50 To 100, Add	51.62	
			For >500 To 1,000, Deduct	-18.55	
			For >1,000 To 2,000, Deduct	-28.13	
			For >2,000 To 5,000, Deduct	-46.21	
			For >5,000, Deduct	-76.61	
33 01 30 72-0096	LF		18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	419.02	
			For Vinylster Resin, Add	274.91	
			For Epoxy Resin, Add	32.40	
			For Up To >10, Add	275.24	
			For >10 To 25, Add	163.91	
			For >25 To 50, Add	117.98	
			For >50 To 100, Add	58.99	
			For >500 To 1,000, Deduct	-21.61	
			For >1,000 To 2,000, Deduct	-32.74	
			For >2,000 To 5,000, Deduct	-53.70	
			For >5,000, Deduct	-89.06	
33 01 30 72-0097	LF		18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	479.42	
			For Vinylster Resin, Add	315.56	
			For Epoxy Resin, Add	37.19	
			For Up To >10, Add	311.26	
			For >10 To 25, Add	184.25	
			For >25 To 50, Add	133.09	
			For >50 To 100, Add	66.55	
			For >500 To 1,000, Deduct	-24.69	
			For >1,000 To 2,000, Deduct	-37.39	
			For >2,000 To 5,000, Deduct	-61.25	
			For >5,000, Deduct	-101.61	
33 01 30 72-0098	LF		18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	540.44	
			For Vinylster Resin, Add	356.21	
			For Epoxy Resin, Add	41.98	
			For Up To >10, Add	349.15	
			For >10 To 25, Add	206.14	
			For >25 To 50, Add	149.13	
			For >50 To 100, Add	74.56	
			For >500 To 1,000, Deduct	-27.81	
			For >1,000 To 2,000, Deduct	-42.11	
			For >2,000 To 5,000, Deduct	-68.96	
			For >5,000, Deduct	-114.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0099 LF 18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	601.94	
For Vinylster Resin, Add	396.84	
For Epoxy Resin, Add	46.77	
For Up To >10, Add	388.52	
For >10 To 25, Add	229.28	
For >25 To 50, Add	165.91	
For >50 To 100, Add	82.96	
For >500 To 1,000, Deduct	-30.97	
For >1,000 To 2,000, Deduct	-46.90	
For >2,000 To 5,000, Deduct	-76.79	
For >5,000, Deduct	-127.39	
33 01 30 72-0100 LF 18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	723.36	
For Vinylster Resin, Add	478.14	
For Epoxy Resin, Add	56.35	
For Up To >10, Add	462.43	
For >10 To 25, Add	271.52	
For >25 To 50, Add	197.06	
For >50 To 100, Add	98.53	
For >500 To 1,000, Deduct	-37.18	
For >1,000 To 2,000, Deduct	-56.27	
For >2,000 To 5,000, Deduct	-92.04	
For >5,000, Deduct	-152.73	
33 01 30 72-0101 LF 18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	845.26	
For Vinylster Resin, Add	559.43	
For Epoxy Resin, Add	65.93	
For Up To >10, Add	537.81	
For >10 To 25, Add	314.97	
For >25 To 50, Add	228.94	
For >50 To 100, Add	114.47	
For >500 To 1,000, Deduct	-43.41	
For >1,000 To 2,000, Deduct	-65.70	
For >2,000 To 5,000, Deduct	-107.42	
For >5,000, Deduct	-178.27	
33 01 30 72-0102 LF 18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	969.12	
For Vinylster Resin, Add	640.72	
For Epoxy Resin, Add	75.51	
For Up To >10, Add	619.09	
For >10 To 25, Add	363.35	
For >25 To 50, Add	263.78	
For >50 To 100, Add	131.89	
For >500 To 1,000, Deduct	-49.80	
For >1,000 To 2,000, Deduct	-75.37	
For >2,000 To 5,000, Deduct	-123.29	
For >5,000, Deduct	-204.59	
33 01 30 72-0103 LF 18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,092.14	
For Vinylster Resin, Add	722.02	
For Epoxy Resin, Add	85.09	
For Up To >10, Add	697.80	
For >10 To 25, Add	409.59	
For >25 To 50, Add	297.33	
For >50 To 100, Add	148.66	
For >500 To 1,000, Deduct	-56.12	
For >1,000 To 2,000, Deduct	-84.95	
For >2,000 To 5,000, Deduct	-138.95	
For >5,000, Deduct	-230.57	
33 01 30 72-0104 LF 18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,215.01	
For Vinylster Resin, Add	803.30	
For Epoxy Resin, Add	94.67	
For Up To >10, Add	776.11	
For >10 To 25, Add	455.49	
For >25 To 50, Add	330.67	
For >50 To 100, Add	165.34	
For >500 To 1,000, Deduct	-62.44	
For >1,000 To 2,000, Deduct	-94.50	
For >2,000 To 5,000, Deduct	-154.57	
For >5,000, Deduct	-256.49	
33 01 30 72-0105 LF 18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,338.39	
For Vinylster Resin, Add	884.59	
For Epoxy Resin, Add	104.26	
For Up To >10, Add	855.92	
For >10 To 25, Add	502.65	
For >25 To 50, Add	364.78	
For >50 To 100, Add	182.39	
For >500 To 1,000, Deduct	-68.79	
For >1,000 To 2,000, Deduct	-104.11	
For >2,000 To 5,000, Deduct	-170.32	
For >5,000, Deduct	-282.62	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0106	LF	18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,461.40
		<i>For Vinylster Resin, Add</i>	965.88
		<i>For Epoxy Resin, Add</i>	113.84
		<i>For Up To &gt;10, Add</i>	934.63
		<i>For &gt;10 To 25, Add</i>	548.88
		<i>For &gt;25 To 50, Add</i>	398.32
		<i>For &gt;50 To 100, Add</i>	199.16
		<i>For &gt;500 To 1,000, Deduct</i>	-75.11
		<i>For &gt;1,000 To 2,000, Deduct</i>	-113.68
		<i>For &gt;2,000 To 5,000, Deduct</i>	-185.97
		<i>For &gt;5,000, Deduct</i>	-308.59

**33 01 30 72-0107 19.5mm Thick Lining Cured In-Place Pipe** (33 01 30 72-0015)

33 01 30 72-0108	LF	19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	386.50
		<i>For Vinylster Resin, Add</i>	252.92
		<i>For Epoxy Resin, Add</i>	29.81
		<i>For Up To &gt;10, Add</i>	256.20
		<i>For &gt;10 To 25, Add</i>	153.28
		<i>For &gt;25 To 50, Add</i>	110.03
		<i>For &gt;50 To 100, Add</i>	55.02
		<i>For &gt;500 To 1,000, Deduct</i>	-19.95
		<i>For &gt;1,000 To 2,000, Deduct</i>	-30.25
		<i>For &gt;2,000 To 5,000, Deduct</i>	-49.65
		<i>For &gt;5,000, Deduct</i>	-82.34
33 01 30 72-0109	LF	19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	451.50
		<i>For Vinylster Resin, Add</i>	296.96
		<i>For Epoxy Resin, Add</i>	35.00
		<i>For Up To &gt;10, Add</i>	293.93
		<i>For &gt;10 To 25, Add</i>	174.23
		<i>For &gt;25 To 50, Add</i>	125.75
		<i>For &gt;50 To 100, Add</i>	62.88
		<i>For &gt;500 To 1,000, Deduct</i>	-23.26
		<i>For &gt;1,000 To 2,000, Deduct</i>	-35.23
		<i>For &gt;2,000 To 5,000, Deduct</i>	-57.73
		<i>For &gt;5,000, Deduct</i>	-95.75
33 01 30 72-0110	LF	19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	516.85
		<i>For Vinylster Resin, Add</i>	340.98
		<i>For Epoxy Resin, Add</i>	40.19
		<i>For Up To &gt;10, Add</i>	332.75
		<i>For &gt;10 To 25, Add</i>	196.11
		<i>For &gt;25 To 50, Add</i>	142.02
		<i>For &gt;50 To 100, Add</i>	71.01
		<i>For &gt;500 To 1,000, Deduct</i>	-26.59
		<i>For &gt;1,000 To 2,000, Deduct</i>	-40.25
		<i>For &gt;2,000 To 5,000, Deduct</i>	-65.89
		<i>For &gt;5,000, Deduct</i>	-109.32
33 01 30 72-0111	LF	19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	582.46
		<i>For Vinylster Resin, Add</i>	385.02
		<i>For Epoxy Resin, Add</i>	45.38
		<i>For Up To &gt;10, Add</i>	372.31
		<i>For &gt;10 To 25, Add</i>	218.58
		<i>For &gt;25 To 50, Add</i>	158.65
		<i>For &gt;50 To 100, Add</i>	79.33
		<i>For &gt;500 To 1,000, Deduct</i>	-29.93
		<i>For &gt;1,000 To 2,000, Deduct</i>	-45.31
		<i>For &gt;2,000 To 5,000, Deduct</i>	-74.11
		<i>For &gt;5,000, Deduct</i>	-122.98
33 01 30 72-0112	LF	19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	649.06
		<i>For Vinylster Resin, Add</i>	429.06
		<i>For Epoxy Resin, Add</i>	50.57
		<i>For Up To &gt;10, Add</i>	414.83
		<i>For &gt;10 To 25, Add</i>	243.54
		<i>For &gt;25 To 50, Add</i>	176.77
		<i>For &gt;50 To 100, Add</i>	88.38
		<i>For &gt;500 To 1,000, Deduct</i>	-33.36
		<i>For &gt;1,000 To 2,000, Deduct</i>	-50.49
		<i>For &gt;2,000 To 5,000, Deduct</i>	-82.58
		<i>For &gt;5,000, Deduct</i>	-137.04
33 01 30 72-0113	LF	19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	781.24
		<i>For Vinylster Resin, Add</i>	517.12
		<i>For Epoxy Resin, Add</i>	60.95
		<i>For Up To &gt;10, Add</i>	496.87
		<i>For &gt;10 To 25, Add</i>	290.94
		<i>For &gt;25 To 50, Add</i>	211.50
		<i>For &gt;50 To 100, Add</i>	105.75
		<i>For &gt;500 To 1,000, Deduct</i>	-40.12
		<i>For &gt;1,000 To 2,000, Deduct</i>	-60.72
		<i>For &gt;2,000 To 5,000, Deduct</i>	-99.27
		<i>For &gt;5,000, Deduct</i>	-164.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0114 LF 19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	913.80	
For Vinylster Resin, Add	605.18	
For Epoxy Resin, Add	71.32	
For Up To >10, Add	580.05	
For >10 To 25, Add	339.29	
For >25 To 50, Add	246.80	
For >50 To 100, Add	123.40	
For >500 To 1,000, Deduct	-46.92	
For >1,000 To 2,000, Deduct	-71.00	
For >2,000 To 5,000, Deduct	-116.06	
For >5,000, Deduct	-192.61	
33 01 30 72-0115 LF 19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,047.23	
For Vinylster Resin, Add	693.25	
For Epoxy Resin, Add	81.70	
For Up To >10, Add	665.82	
For >10 To 25, Add	389.79	
For >25 To 50, Add	283.39	
For >50 To 100, Add	141.70	
For >500 To 1,000, Deduct	-53.78	
For >1,000 To 2,000, Deduct	-81.39	
For >2,000 To 5,000, Deduct	-133.06	
For >5,000, Deduct	-220.82	
33 01 30 72-0116 LF 19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,180.28	
For Vinylster Resin, Add	781.31	
For Epoxy Resin, Add	92.08	
For Up To >10, Add	750.44	
For >10 To 25, Add	439.34	
For >25 To 50, Add	319.41	
For >50 To 100, Add	159.71	
For >500 To 1,000, Deduct	-60.62	
For >1,000 To 2,000, Deduct	-91.73	
For >2,000 To 5,000, Deduct	-149.97	
For >5,000, Deduct	-248.88	
33 01 30 72-0117 LF 19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,313.34	
For Vinylster Resin, Add	869.37	
For Epoxy Resin, Add	102.46	
For Up To >10, Add	835.12	
For >10 To 25, Add	488.94	
For >25 To 50, Add	355.46	
For >50 To 100, Add	177.73	
For >500 To 1,000, Deduct	-67.45	
For >1,000 To 2,000, Deduct	-102.07	
For >2,000 To 5,000, Deduct	-166.88	
For >5,000, Deduct	-276.94	
33 01 30 72-0118 LF 19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,447.86	
For Vinylster Resin, Add	957.44	
For Epoxy Resin, Add	112.84	
For Up To >10, Add	924.16	
For >10 To 25, Add	542.17	
For >25 To 50, Add	393.69	
For >50 To 100, Add	196.84	
For >500 To 1,000, Deduct	-74.40	
For >1,000 To 2,000, Deduct	-112.59	
For >2,000 To 5,000, Deduct	-184.15	
For >5,000, Deduct	-305.59	
33 01 30 72-0119 LF 19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,581.04	
For Vinylster Resin, Add	1,045.50	
For Epoxy Resin, Add	123.22	
For Up To >10, Add	1,009.20	
For >10 To 25, Add	592.07	
For >25 To 50, Add	429.92	
For >50 To 100, Add	214.96	
For >500 To 1,000, Deduct	-81.24	
For >1,000 To 2,000, Deduct	-122.95	
For >2,000 To 5,000, Deduct	-201.10	
For >5,000, Deduct	-333.70	
<b>33 01 30 72-0120 21mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>.....</b>	<b>413.82</b>	
33 01 30 72-0121 LF 21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	413.82	
For Vinylster Resin, Add	271.45	
For Epoxy Resin, Add	31.99	
For Up To >10, Add	272.01	
For >10 To 25, Add	162.05	
For >25 To 50, Add	116.62	
For >50 To 100, Add	58.31	
For >500 To 1,000, Deduct	-21.34	
For >1,000 To 2,000, Deduct	-32.34	
For >2,000 To 5,000, Deduct	-53.04	
For >5,000, Deduct	-87.97	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0122 LF 21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	483.78	
For Vinylster Resin, Add	318.86	
For Epoxy Resin, Add	37.58	
For Up To >10, Add	312.54	
For >10 To 25, Add	184.53	
For >25 To 50, Add	133.49	
For >50 To 100, Add	66.75	
For >500 To 1,000, Deduct	-24.90	
For >1,000 To 2,000, Deduct	-37.70	
For >2,000 To 5,000, Deduct	-61.73	
For >5,000, Deduct	-102.41	
33 01 30 72-0123 LF 21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	554.11	
For Vinylster Resin, Add	366.29	
For Epoxy Resin, Add	43.17	
For Up To >10, Add	354.16	
For >10 To 25, Add	207.92	
For >25 To 50, Add	150.91	
For >50 To 100, Add	75.46	
For >500 To 1,000, Deduct	-28.48	
For >1,000 To 2,000, Deduct	-43.10	
For >2,000 To 5,000, Deduct	-70.50	
For >5,000, Deduct	-116.99	
33 01 30 72-0124 LF 21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	624.31	
For Vinylster Resin, Add	413.71	
For Epoxy Resin, Add	48.76	
For Up To >10, Add	395.41	
For >10 To 25, Add	231.00	
For >25 To 50, Add	168.15	
For >50 To 100, Add	84.08	
For >500 To 1,000, Deduct	-32.05	
For >1,000 To 2,000, Deduct	-48.49	
For >2,000 To 5,000, Deduct	-79.25	
For >5,000, Deduct	-131.52	
33 01 30 72-0125 LF 21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	695.85	
For Vinylster Resin, Add	461.13	
For Epoxy Resin, Add	54.35	
For Up To >10, Add	440.68	
For >10 To 25, Add	257.44	
For >25 To 50, Add	187.40	
For >50 To 100, Add	93.70	
For >500 To 1,000, Deduct	-35.72	
For >1,000 To 2,000, Deduct	-54.04	
For >2,000 To 5,000, Deduct	-88.33	
For >5,000, Deduct	-146.59	
33 01 30 72-0126 LF 21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	838.95	
For Vinylster Resin, Add	555.96	
For Epoxy Resin, Add	65.52	
For Up To >10, Add	531.28	
For >10 To 25, Add	310.36	
For >25 To 50, Add	225.93	
For >50 To 100, Add	112.96	
For >500 To 1,000, Deduct	-43.07	
For >1,000 To 2,000, Deduct	-65.16	
For >2,000 To 5,000, Deduct	-106.49	
For >5,000, Deduct	-176.73	
33 01 30 72-0127 LF 21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	982.05	
For Vinylster Resin, Add	650.80	
For Epoxy Resin, Add	76.70	
For Up To >10, Add	621.85	
For >10 To 25, Add	363.26	
For >25 To 50, Add	264.44	
For >50 To 100, Add	132.22	
For >500 To 1,000, Deduct	-50.41	
For >1,000 To 2,000, Deduct	-76.27	
For >2,000 To 5,000, Deduct	-124.65	
For >5,000, Deduct	-206.88	
33 01 30 72-0128 LF 21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,125.15	
For Vinylster Resin, Add	745.64	
For Epoxy Resin, Add	87.88	
For Up To >10, Add	712.45	
For >10 To 25, Add	416.18	
For >25 To 50, Add	302.97	
For >50 To 100, Add	151.48	
For >500 To 1,000, Deduct	-57.76	
For >1,000 To 2,000, Deduct	-87.38	
For >2,000 To 5,000, Deduct	-142.81	
For >5,000, Deduct	-237.02	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0129 LF 21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,268.24	
For Vinylster Resin, Add	840.48	
For Epoxy Resin, Add	99.06	
For Up To >10, Add	803.02	
For >10 To 25, Add	469.07	
For >25 To 50, Add	341.48	
For >50 To 100, Add	170.74	
For >500 To 1,000, Deduct	-65.10	
For >1,000 To 2,000, Deduct	-98.50	
For >2,000 To 5,000, Deduct	-160.97	
For >5,000, Deduct	-267.16	
33 01 30 72-0130 LF 21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,411.34	
For Vinylster Resin, Add	935.31	
For Epoxy Resin, Add	110.23	
For Up To >10, Add	893.62	
For >10 To 25, Add	521.99	
For >25 To 50, Add	380.00	
For >50 To 100, Add	190.00	
For >500 To 1,000, Deduct	-72.45	
For >1,000 To 2,000, Deduct	-109.61	
For >2,000 To 5,000, Deduct	-179.13	
For >5,000, Deduct	-297.30	
33 01 30 72-0131 LF 21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,557.16	
For Vinylster Resin, Add	1,030.16	
For Epoxy Resin, Add	121.41	
For Up To >10, Add	992.36	
For >10 To 25, Add	581.69	
For >25 To 50, Add	422.60	
For >50 To 100, Add	211.30	
For >500 To 1,000, Deduct	-80.00	
For >1,000 To 2,000, Deduct	-121.06	
For >2,000 To 5,000, Deduct	-197.98	
For >5,000, Deduct	-328.53	
33 01 30 72-0132 LF 21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,700.50	
For Vinylster Resin, Add	1,125.00	
For Epoxy Resin, Add	132.59	
For Up To >10, Add	1,083.65	
For >10 To 25, Add	635.19	
For >25 To 50, Add	461.47	
For >50 To 100, Add	230.73	
For >500 To 1,000, Deduct	-87.36	
For >1,000 To 2,000, Deduct	-132.21	
For >2,000 To 5,000, Deduct	-216.20	
For >5,000, Deduct	-358.77	
<b>33 01 30 72-0133 22.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small></b>		
33 01 30 72-0134 LF 22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	440.84	
For Vinylster Resin, Add	289.84	
For Epoxy Resin, Add	34.16	
For Up To >10, Add	287.37	
For >10 To 25, Add	170.47	
For >25 To 50, Add	122.98	
For >50 To 100, Add	61.49	
For >500 To 1,000, Deduct	-22.71	
For >1,000 To 2,000, Deduct	-34.40	
For >2,000 To 5,000, Deduct	-56.38	
For >5,000, Deduct	-93.52	
33 01 30 72-0135 LF 22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	515.62	
For Vinylster Resin, Add	340.64	
For Epoxy Resin, Add	40.15	
For Up To >10, Add	330.29	
For >10 To 25, Add	194.13	
For >25 To 50, Add	140.81	
For >50 To 100, Add	70.41	
For >500 To 1,000, Deduct	-26.51	
For >1,000 To 2,000, Deduct	-40.12	
For >2,000 To 5,000, Deduct	-65.64	
For >5,000, Deduct	-108.92	
33 01 30 72-0136 LF 22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	591.16	
For Vinylster Resin, Add	391.45	
For Epoxy Resin, Add	46.14	
For Up To >10, Add	375.43	
For >10 To 25, Add	219.66	
For >25 To 50, Add	159.75	
For >50 To 100, Add	79.88	
For >500 To 1,000, Deduct	-30.36	
For >1,000 To 2,000, Deduct	-45.93	
For >2,000 To 5,000, Deduct	-75.09	
For >5,000, Deduct	-124.62	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0137 LF 22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	667.05	
For Vinlyester Resin, Add	442.25	
For Epoxy Resin, Add	52.12	
For Up To >10, Add	421.68	
For >10 To 25, Add	246.10	
For >25 To 50, Add	179.25	
For >50 To 100, Add	89.62	
For >500 To 1,000, Deduct	-34.23	
For >1,000 To 2,000, Deduct	-51.79	
For >2,000 To 5,000, Deduct	-84.63	
For >5,000, Deduct	-140.46	
33 01 30 72-0138 LF 22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	743.68	
For Vinlyester Resin, Add	493.06	
For Epoxy Resin, Add	58.11	
For Up To >10, Add	470.12	
For >10 To 25, Add	274.37	
For >25 To 50, Add	199.84	
For >50 To 100, Add	99.92	
For >500 To 1,000, Deduct	-38.17	
For >1,000 To 2,000, Deduct	-57.74	
For >2,000 To 5,000, Deduct	-94.35	
For >5,000, Deduct	-156.60	
33 01 30 72-0139 LF 22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	896.95	
For Vinlyester Resin, Add	594.67	
For Epoxy Resin, Add	70.09	
For Up To >10, Add	567.03	
For >10 To 25, Add	330.93	
For >25 To 50, Add	241.04	
For >50 To 100, Add	120.52	
For >500 To 1,000, Deduct	-46.03	
For >1,000 To 2,000, Deduct	-69.64	
For >2,000 To 5,000, Deduct	-113.80	
For >5,000, Deduct	-188.87	
33 01 30 72-0140 LF 22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,050.22	
For Vinlyester Resin, Add	696.28	
For Epoxy Resin, Add	82.06	
For Up To >10, Add	663.94	
For >10 To 25, Add	387.50	
For >25 To 50, Add	282.23	
For >50 To 100, Add	141.12	
For >500 To 1,000, Deduct	-53.90	
For >1,000 To 2,000, Deduct	-81.54	
For >2,000 To 5,000, Deduct	-133.25	
For >5,000, Deduct	-221.15	
33 01 30 72-0141 LF 22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,203.50	
For Vinlyester Resin, Add	797.90	
For Epoxy Resin, Add	94.04	
For Up To >10, Add	760.85	
For >10 To 25, Add	444.07	
For >25 To 50, Add	323.43	
For >50 To 100, Add	161.72	
For >500 To 1,000, Deduct	-61.77	
For >1,000 To 2,000, Deduct	-93.44	
For >2,000 To 5,000, Deduct	-152.69	
For >5,000, Deduct	-253.43	
33 01 30 72-0142 LF 22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,356.76	
For Vinlyester Resin, Add	899.51	
For Epoxy Resin, Add	106.01	
For Up To >10, Add	857.73	
For >10 To 25, Add	500.61	
For >25 To 50, Add	364.61	
For >50 To 100, Add	182.31	
For >500 To 1,000, Deduct	-69.63	
For >1,000 To 2,000, Deduct	-105.34	
For >2,000 To 5,000, Deduct	-172.14	
For >5,000, Deduct	-285.70	
33 01 30 72-0143 LF 22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,510.03	
For Vinlyester Resin, Add	1,001.13	
For Epoxy Resin, Add	117.99	
For Up To >10, Add	954.64	
For >10 To 25, Add	557.17	
For >25 To 50, Add	405.81	
For >50 To 100, Add	202.91	
For >500 To 1,000, Deduct	-77.50	
For >1,000 To 2,000, Deduct	-117.24	
For >2,000 To 5,000, Deduct	-191.58	
For >5,000, Deduct	-317.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0144 LF 22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,666.13	
For Vinylster Resin, Add	1,102.74	
For Epoxy Resin, Add	129.97	
For Up To >10, Add	1,060.04	
For >10 To 25, Add	620.81	
For >25 To 50, Add	451.25	
For >50 To 100, Add	225.63	
For >500 To 1,000, Deduct	-85.58	
For >1,000 To 2,000, Deduct	-129.50	
For >2,000 To 5,000, Deduct	-211.74	
For >5,000, Deduct	-351.38	
33 01 30 72-0145 LF 22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,819.64	
For Vinylster Resin, Add	1,204.35	
For Epoxy Resin, Add	141.94	
For Up To >10, Add	1,157.67	
For >10 To 25, Add	677.98	
For >25 To 50, Add	492.81	
For >50 To 100, Add	246.41	
For >500 To 1,000, Deduct	-93.46	
For >1,000 To 2,000, Deduct	-141.43	
For >2,000 To 5,000, Deduct	-231.25	
For >5,000, Deduct	-383.76	
<b>33 01 30 72-0146 24mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0147 LF 24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	467.53	
For Vinylster Resin, Add	308.09	
For Epoxy Resin, Add	36.31	
For Up To >10, Add	302.27	
For >10 To 25, Add	178.53	
For >25 To 50, Add	129.13	
For >50 To 100, Add	64.56	
For >500 To 1,000, Deduct	-24.06	
For >1,000 To 2,000, Deduct	-36.43	
For >2,000 To 5,000, Deduct	-59.67	
For >5,000, Deduct	-98.99	
33 01 30 72-0148 LF 24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	547.15	
For Vinylster Resin, Add	362.29	
For Epoxy Resin, Add	42.70	
For Up To >10, Add	347.58	
For >10 To 25, Add	203.39	
For >25 To 50, Add	147.91	
For >50 To 100, Add	73.96	
For >500 To 1,000, Deduct	-28.10	
For >1,000 To 2,000, Deduct	-42.52	
For >2,000 To 5,000, Deduct	-69.51	
For >5,000, Deduct	-115.35	
33 01 30 72-0149 LF 24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	627.89	
For Vinylster Resin, Add	416.48	
For Epoxy Resin, Add	49.09	
For Up To >10, Add	396.25	
For >10 To 25, Add	231.04	
For >25 To 50, Add	168.37	
For >50 To 100, Add	84.19	
For >500 To 1,000, Deduct	-32.22	
For >1,000 To 2,000, Deduct	-48.74	
For >2,000 To 5,000, Deduct	-79.63	
For >5,000, Deduct	-132.16	
33 01 30 72-0150 LF 24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	709.61	
For Vinylster Resin, Add	470.67	
For Epoxy Resin, Add	55.47	
For Up To >10, Add	447.86	
For >10 To 25, Add	261.15	
For >25 To 50, Add	190.31	
For >50 To 100, Add	95.15	
For >500 To 1,000, Deduct	-36.41	
For >1,000 To 2,000, Deduct	-55.08	
For >2,000 To 5,000, Deduct	-89.99	
For >5,000, Deduct	-149.37	
33 01 30 72-0151 LF 24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	791.33	
For Vinylster Resin, Add	524.87	
For Epoxy Resin, Add	61.86	
For Up To >10, Add	499.47	
For >10 To 25, Add	291.25	
For >25 To 50, Add	212.24	
For >50 To 100, Add	106.12	
For >500 To 1,000, Deduct	-40.60	
For >1,000 To 2,000, Deduct	-61.43	
For >2,000 To 5,000, Deduct	-100.36	
For >5,000, Deduct	-166.57	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0152 LF 24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	954.78	
For Vinlyester Resin, Add	633.26	
For Epoxy Resin, Add	74.63	
For Up To >10, Add	602.72	
For >10 To 25, Add	351.49	
For >25 To 50, Add	256.13	
For >50 To 100, Add	128.06	
For >500 To 1,000, Deduct	-48.99	
For >1,000 To 2,000, Deduct	-74.12	
For >2,000 To 5,000, Deduct	-121.09	
For >5,000, Deduct	-200.98	
33 01 30 72-0153 LF 24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,159.22	
For Vinlyester Resin, Add	770.43	
For Epoxy Resin, Add	90.80	
For Up To >10, Add	726.11	
For >10 To 25, Add	421.66	
For >25 To 50, Add	308.02	
For >50 To 100, Add	154.01	
For >500 To 1,000, Deduct	-59.43	
For >1,000 To 2,000, Deduct	-89.87	
For >2,000 To 5,000, Deduct	-146.72	
For >5,000, Deduct	-243.56	
33 01 30 72-0154 LF 24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,281.52	
For Vinlyester Resin, Add	850.02	
For Epoxy Resin, Add	100.18	
For Up To >10, Add	808.76	
For >10 To 25, Add	471.58	
For >25 To 50, Add	343.66	
For >50 To 100, Add	171.83	
For >500 To 1,000, Deduct	-65.76	
For >1,000 To 2,000, Deduct	-99.47	
For >2,000 To 5,000, Deduct	-162.52	
For >5,000, Deduct	-269.74	
33 01 30 72-0155 LF 24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,444.96	
For Vinlyester Resin, Add	958.41	
For Epoxy Resin, Add	112.96	
For Up To >10, Add	911.98	
For >10 To 25, Add	531.79	
For >25 To 50, Add	387.53	
For >50 To 100, Add	193.77	
For >500 To 1,000, Deduct	-74.14	
For >1,000 To 2,000, Deduct	-112.16	
For >2,000 To 5,000, Deduct	-183.25	
For >5,000, Deduct	-304.15	
33 01 30 72-0156 LF 24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,608.39	
For Vinlyester Resin, Add	1,066.80	
For Epoxy Resin, Add	125.73	
For Up To >10, Add	1,015.17	
For >10 To 25, Add	591.98	
For >25 To 50, Add	431.39	
For >50 To 100, Add	215.69	
For >500 To 1,000, Deduct	-82.53	
For >1,000 To 2,000, Deduct	-124.85	
For >2,000 To 5,000, Deduct	-203.98	
For >5,000, Deduct	-338.56	
33 01 30 72-0157 LF 24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,774.78	
For Vinlyester Resin, Add	1,175.19	
For Epoxy Resin, Add	138.50	
For Up To >10, Add	1,127.24	
For >10 To 25, Add	659.56	
For >25 To 50, Add	479.68	
For >50 To 100, Add	239.84	
For >500 To 1,000, Deduct	-91.14	
For >1,000 To 2,000, Deduct	-137.91	
For >2,000 To 5,000, Deduct	-225.45	
For >5,000, Deduct	-374.14	
33 01 30 72-0158 LF 24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,938.46	
For Vinlyester Resin, Add	1,283.58	
For Epoxy Resin, Add	151.28	
For Up To >10, Add	1,231.18	
For >10 To 25, Add	720.37	
For >25 To 50, Add	523.91	
For >50 To 100, Add	261.95	
For >500 To 1,000, Deduct	-99.54	
For >1,000 To 2,000, Deduct	-150.62	
For >2,000 To 5,000, Deduct	-246.24	
For >5,000, Deduct	-408.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0159 LF 24mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,102.15	
For Vinylster Resin, Add	1,391.96	
For Epoxy Resin, Add	164.05	
For Up To >10, Add	1,335.15	
For >10 To 25, Add	781.21	
For >25 To 50, Add	568.15	
For >50 To 100, Add	284.07	
For >500 To 1,000, Deduct	-107.95	
For >1,000 To 2,000, Deduct	-163.34	
For >2,000 To 5,000, Deduct	-267.03	
For >5,000, Deduct	-443.16	
33 01 30 72-0160 LF 24mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,265.83	
For Vinylster Resin, Add	1,500.35	
For Epoxy Resin, Add	176.83	
For Up To >10, Add	1,439.09	
For >10 To 25, Add	842.02	
For >25 To 50, Add	612.38	
For >50 To 100, Add	306.19	
For >500 To 1,000, Deduct	-116.35	
For >1,000 To 2,000, Deduct	-176.06	
For >2,000 To 5,000, Deduct	-287.82	
For >5,000, Deduct	-477.66	
<b>33 01 30 72-0161 25.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0162 LF 25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	578.87	
For Vinylster Resin, Add	383.80	
For Epoxy Resin, Add	45.23	
For Up To >10, Add	365.91	
For >10 To 25, Add	213.55	
For >25 To 50, Add	155.54	
For >50 To 100, Add	77.77	
For >500 To 1,000, Deduct	-29.71	
For >1,000 To 2,000, Deduct	-44.94	
For >2,000 To 5,000, Deduct	-73.44	
For >5,000, Deduct	-121.89	
33 01 30 72-0163 LF 25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	665.17	
For Vinylster Resin, Add	441.37	
For Epoxy Resin, Add	52.02	
For Up To >10, Add	419.19	
For >10 To 25, Add	244.23	
For >25 To 50, Add	178.07	
For >50 To 100, Add	89.03	
For >500 To 1,000, Deduct	-34.12	
For >1,000 To 2,000, Deduct	-51.62	
For >2,000 To 5,000, Deduct	-84.32	
For >5,000, Deduct	-139.96	
33 01 30 72-0164 LF 25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	751.99	
For Vinylster Resin, Add	498.96	
For Epoxy Resin, Add	58.81	
For Up To >10, Add	473.97	
For >10 To 25, Add	276.18	
For >25 To 50, Add	201.35	
For >50 To 100, Add	100.67	
For >500 To 1,000, Deduct	-38.58	
For >1,000 To 2,000, Deduct	-58.36	
For >2,000 To 5,000, Deduct	-95.33	
For >5,000, Deduct	-158.24	
33 01 30 72-0165 LF 25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	838.66	
For Vinylster Resin, Add	556.54	
For Epoxy Resin, Add	65.59	
For Up To >10, Add	528.36	
For >10 To 25, Add	307.79	
For >25 To 50, Add	224.43	
For >50 To 100, Add	112.21	
For >500 To 1,000, Deduct	-43.02	
For >1,000 To 2,000, Deduct	-65.08	
For >2,000 To 5,000, Deduct	-106.31	
For >5,000, Deduct	-176.45	
33 01 30 72-0166 LF 25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,012.27	
For Vinylster Resin, Add	671.69	
For Epoxy Resin, Add	79.16	
For Up To >10, Add	637.91	
For >10 To 25, Add	371.67	
For >25 To 50, Add	270.98	
For >50 To 100, Add	135.49	
For >500 To 1,000, Deduct	-51.93	
For >1,000 To 2,000, Deduct	-78.56	
For >2,000 To 5,000, Deduct	-128.32	
For >5,000, Deduct	-213.00	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0167 LF 25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,185.75	
For Vinlyester Resin, Add	786.86	
For Epoxy Resin, Add	92.74	
For Up To >10, Add	747.05	
For >10 To 25, Add	435.20	
For >25 To 50, Add	317.32	
For >50 To 100, Add	158.66	
For >500 To 1,000, Deduct	-60.83	
For >1,000 To 2,000, Deduct	-92.01	
For >2,000 To 5,000, Deduct	-150.31	
For >5,000, Deduct	-249.48	
33 01 30 72-0168 LF 25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,359.36	
For Vinlyester Resin, Add	902.02	
For Epoxy Resin, Add	106.31	
For Up To >10, Add	856.58	
For >10 To 25, Add	499.05	
For >25 To 50, Add	363.86	
For >50 To 100, Add	181.93	
For >500 To 1,000, Deduct	-69.74	
For >1,000 To 2,000, Deduct	-105.49	
For >2,000 To 5,000, Deduct	-172.32	
For >5,000, Deduct	-286.02	
33 01 30 72-0169 LF 25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,532.85	
For Vinlyester Resin, Add	1,017.18	
For Epoxy Resin, Add	119.88	
For Up To >10, Add	965.75	
For >10 To 25, Add	562.61	
For >25 To 50, Add	410.22	
For >50 To 100, Add	205.11	
For >500 To 1,000, Deduct	-78.64	
For >1,000 To 2,000, Deduct	-118.95	
For >2,000 To 5,000, Deduct	-194.31	
For >5,000, Deduct	-322.52	
33 01 30 72-0170 LF 25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,706.45	
For Vinlyester Resin, Add	1,132.35	
For Epoxy Resin, Add	133.46	
For Up To >10, Add	1,075.25	
For >10 To 25, Add	626.44	
For >25 To 50, Add	456.74	
For >50 To 100, Add	228.37	
For >500 To 1,000, Deduct	-87.54	
For >1,000 To 2,000, Deduct	-132.42	
For >2,000 To 5,000, Deduct	-216.32	
For >5,000, Deduct	-359.05	
33 01 30 72-0171 LF 25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,883.99	
For Vinlyester Resin, Add	1,247.51	
For Epoxy Resin, Add	147.03	
For Up To >10, Add	1,196.60	
For >10 To 25, Add	700.14	
For >25 To 50, Add	509.19	
For >50 To 100, Add	254.60	
For >500 To 1,000, Deduct	-96.75	
For >1,000 To 2,000, Deduct	-146.39	
For >2,000 To 5,000, Deduct	-239.32	
For >5,000, Deduct	-397.17	
33 01 30 72-0172 LF 25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	2,057.97	
For Vinlyester Resin, Add	1,362.67	
For Epoxy Resin, Add	160.60	
For Up To >10, Add	1,307.24	
For >10 To 25, Add	764.92	
For >25 To 50, Add	556.28	
For >50 To 100, Add	278.14	
For >500 To 1,000, Deduct	-105.68	
For >1,000 To 2,000, Deduct	-159.91	
For >2,000 To 5,000, Deduct	-261.43	
For >5,000, Deduct	-433.85	
33 01 30 72-0173 LF 25.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	2,231.81	
For Vinlyester Resin, Add	1,477.83	
For Epoxy Resin, Add	174.17	
For Up To >10, Add	1,417.48	
For >10 To 25, Add	829.37	
For >25 To 50, Add	603.18	
For >50 To 100, Add	301.59	
For >500 To 1,000, Deduct	-114.61	
For >1,000 To 2,000, Deduct	-173.42	
For >2,000 To 5,000, Deduct	-283.50	
For >5,000, Deduct	-470.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0174 LF 25.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,405.79	
For Vinylster Resin, Add	1,592.99	
For Epoxy Resin, Add	187.75	
For Up To >10, Add	1,528.12	
For >10 To 25, Add	894.15	
For >25 To 50, Add	650.28	
For >50 To 100, Add	325.14	
For >500 To 1,000, Deduct	-123.54	
For >1,000 To 2,000, Deduct	-186.94	
For >2,000 To 5,000, Deduct	-305.61	
For >5,000, Deduct	-507.18	
<b>33 01 30 72-0175 27mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0176 LF 27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	610.26	
For Vinylster Resin, Add	405.17	
For Epoxy Resin, Add	47.75	
For Up To >10, Add	383.76	
For >10 To 25, Add	223.33	
For >25 To 50, Add	162.94	
For >50 To 100, Add	81.47	
For >500 To 1,000, Deduct	-31.30	
For >1,000 To 2,000, Deduct	-47.34	
For >2,000 To 5,000, Deduct	-77.32	
For >5,000, Deduct	-128.34	
33 01 30 72-0177 LF 27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	702.15	
For Vinylster Resin, Add	466.14	
For Epoxy Resin, Add	54.94	
For Up To >10, Add	441.68	
For >10 To 25, Add	257.08	
For >25 To 50, Add	187.54	
For >50 To 100, Add	93.77	
For >500 To 1,000, Deduct	-36.01	
For >1,000 To 2,000, Deduct	-54.47	
For >2,000 To 5,000, Deduct	-88.97	
For >5,000, Deduct	-147.68	
33 01 30 72-0178 LF 27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	794.04	
For Vinylster Resin, Add	527.11	
For Epoxy Resin, Add	62.12	
For Up To >10, Add	499.60	
For >10 To 25, Add	290.83	
For >25 To 50, Add	212.15	
For >50 To 100, Add	106.07	
For >500 To 1,000, Deduct	-40.73	
For >1,000 To 2,000, Deduct	-61.60	
For >2,000 To 5,000, Deduct	-100.62	
For >5,000, Deduct	-167.01	
33 01 30 72-0179 LF 27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	885.81	
For Vinylster Resin, Add	588.08	
For Epoxy Resin, Add	69.31	
For Up To >10, Add	557.16	
For >10 To 25, Add	324.28	
For >25 To 50, Add	236.57	
For >50 To 100, Add	118.29	
For >500 To 1,000, Deduct	-45.43	
For >1,000 To 2,000, Deduct	-68.72	
For >2,000 To 5,000, Deduct	-112.24	
For >5,000, Deduct	-186.30	
33 01 30 72-0180 LF 27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,069.45	
For Vinylster Resin, Add	710.01	
For Epoxy Resin, Add	83.68	
For Up To >10, Add	672.60	
For >10 To 25, Add	391.45	
For >25 To 50, Add	285.59	
For >50 To 100, Add	142.79	
For >500 To 1,000, Deduct	-54.85	
For >1,000 To 2,000, Deduct	-82.97	
For >2,000 To 5,000, Deduct	-135.50	
For >5,000, Deduct	-224.92	
33 01 30 72-0181 LF 27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,253.23	
For Vinylster Resin, Add	831.94	
For Epoxy Resin, Add	98.05	
For Up To >10, Add	788.47	
For >10 To 25, Add	458.97	
For >25 To 50, Add	334.81	
For >50 To 100, Add	167.40	
For >500 To 1,000, Deduct	-64.28	
For >1,000 To 2,000, Deduct	-97.23	
For >2,000 To 5,000, Deduct	-158.80	
For >5,000, Deduct	-263.59	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0182	LF 27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,436.89	
	For Vinlyester Resin, Add	953.88	
	For Epoxy Resin, Add	112.42	
	For Up To >10, Add	903.95	
	For >10 To 25, Add	526.17	
	For >25 To 50, Add	383.84	
	For >50 To 100, Add	191.92	
	For >500 To 1,000, Deduct	-73.70	
	For >1,000 To 2,000, Deduct	-111.48	
	For >2,000 To 5,000, Deduct	-182.07	
	For >5,000, Deduct	-302.22	
33 01 30 72-0183	LF 27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,620.54	
	For Vinlyester Resin, Add	1,075.82	
	For Epoxy Resin, Add	126.79	
	For Up To >10, Add	1,019.42	
	For >10 To 25, Add	593.37	
	For >25 To 50, Add	432.87	
	For >50 To 100, Add	216.43	
	For >500 To 1,000, Deduct	-83.12	
	For >1,000 To 2,000, Deduct	-125.72	
	For >2,000 To 5,000, Deduct	-205.34	
	For >5,000, Deduct	-340.84	
33 01 30 72-0184	LF 27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,804.19	
	For Vinlyester Resin, Add	1,197.75	
	For Epoxy Resin, Add	141.16	
	For Up To >10, Add	1,134.90	
	For >10 To 25, Add	660.57	
	For >25 To 50, Add	481.89	
	For >50 To 100, Add	240.95	
	For >500 To 1,000, Deduct	-92.54	
	For >1,000 To 2,000, Deduct	-139.97	
	For >2,000 To 5,000, Deduct	-228.61	
	For >5,000, Deduct	-379.46	
33 01 30 72-0185	LF 27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,993.01	
	For Vinlyester Resin, Add	1,319.69	
	For Epoxy Resin, Add	155.53	
	For Up To >10, Add	1,265.86	
	For >10 To 25, Add	740.67	
	For >25 To 50, Add	538.66	
	For >50 To 100, Add	269.33	
	For >500 To 1,000, Deduct	-102.34	
	For >1,000 To 2,000, Deduct	-154.86	
	For >2,000 To 5,000, Deduct	-253.17	
	For >5,000, Deduct	-420.15	
33 01 30 72-0186	LF 27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,177.15	
	For Vinlyester Resin, Add	1,441.62	
	For Epoxy Resin, Add	169.91	
	For Up To >10, Add	1,382.80	
	For >10 To 25, Add	809.09	
	For >25 To 50, Add	588.43	
	For >50 To 100, Add	294.21	
	For >500 To 1,000, Deduct	-111.80	
	For >1,000 To 2,000, Deduct	-169.17	
	For >2,000 To 5,000, Deduct	-276.56	
	For >5,000, Deduct	-458.97	
33 01 30 72-0187	LF 27mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,361.29	
	For Vinlyester Resin, Add	1,563.56	
	For Epoxy Resin, Add	184.28	
	For Up To >10, Add	1,499.75	
	For >10 To 25, Add	877.51	
	For >25 To 50, Add	638.19	
	For >50 To 100, Add	319.10	
	For >500 To 1,000, Deduct	-121.26	
	For >1,000 To 2,000, Deduct	-183.48	
	For >2,000 To 5,000, Deduct	-299.95	
	For >5,000, Deduct	-497.79	
33 01 30 72-0188	LF 27mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,545.43	
	For Vinlyester Resin, Add	1,685.50	
	For Epoxy Resin, Add	198.65	
	For Up To >10, Add	1,616.67	
	For >10 To 25, Add	945.91	
	For >25 To 50, Add	687.94	
	For >50 To 100, Add	343.97	
	For >500 To 1,000, Deduct	-130.71	
	For >1,000 To 2,000, Deduct	-197.79	
	For >2,000 To 5,000, Deduct	-323.34	
	For >5,000, Deduct	-536.60	

33 01 30 72-0189 28.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0190 LF 28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	738.69	
For Vinylster Resin, Add	490.77	
For Epoxy Resin, Add	57.84	
For Up To >10, Add	463.32	
For >10 To 25, Add	269.25	
For >25 To 50, Add	196.61	
For >50 To 100, Add	98.30	
For >500 To 1,000, Deduct	-37.87	
For >1,000 To 2,000, Deduct	-57.28	
For >2,000 To 5,000, Deduct	-93.53	
For >5,000, Deduct	-155.26	
33 01 30 72-0191 LF 28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	835.66	
For Vinylster Resin, Add	555.12	
For Epoxy Resin, Add	65.42	
For Up To >10, Add	524.41	
For >10 To 25, Add	304.83	
For >25 To 50, Add	222.55	
For >50 To 100, Add	111.28	
For >500 To 1,000, Deduct	-42.85	
For >1,000 To 2,000, Deduct	-64.81	
For >2,000 To 5,000, Deduct	-105.82	
For >5,000, Deduct	-175.66	
33 01 30 72-0192 LF 28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	932.51	
For Vinylster Resin, Add	619.48	
For Epoxy Resin, Add	73.01	
For Up To >10, Add	585.11	
For >10 To 25, Add	340.09	
For >25 To 50, Add	248.30	
For >50 To 100, Add	124.15	
For >500 To 1,000, Deduct	-47.81	
For >1,000 To 2,000, Deduct	-72.32	
For >2,000 To 5,000, Deduct	-118.08	
For >5,000, Deduct	-196.01	
33 01 30 72-0193 LF 28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,180.56	
For Vinylster Resin, Add	786.23	
For Epoxy Resin, Add	92.66	
For Up To >10, Add	733.71	
For >10 To 25, Add	424.22	
For >25 To 50, Add	310.69	
For >50 To 100, Add	155.35	
For >500 To 1,000, Deduct	-60.46	
For >1,000 To 2,000, Deduct	-91.41	
For >2,000 To 5,000, Deduct	-149.13	
For >5,000, Deduct	-247.59	
33 01 30 72-0194 LF 28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,320.03	
For Vinylster Resin, Add	876.90	
For Epoxy Resin, Add	103.35	
For Up To >10, Add	828.32	
For >10 To 25, Add	481.48	
For >25 To 50, Add	351.52	
For >50 To 100, Add	175.76	
For >500 To 1,000, Deduct	-67.68	
For >1,000 To 2,000, Deduct	-102.37	
For >2,000 To 5,000, Deduct	-167.16	
For >5,000, Deduct	-277.47	
33 01 30 72-0195 LF 28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,513.73	
For Vinylster Resin, Add	1,005.61	
For Epoxy Resin, Add	118.52	
For Up To >10, Add	949.74	
For >10 To 25, Add	552.02	
For >25 To 50, Add	403.04	
For >50 To 100, Add	201.52	
For >500 To 1,000, Deduct	-77.62	
For >1,000 To 2,000, Deduct	-117.39	
For >2,000 To 5,000, Deduct	-191.68	
For >5,000, Deduct	-318.18	
33 01 30 72-0196 LF 28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,707.42	
For Vinylster Resin, Add	1,134.32	
For Epoxy Resin, Add	133.69	
For Up To >10, Add	1,071.14	
For >10 To 25, Add	622.54	
For >25 To 50, Add	454.55	
For >50 To 100, Add	227.27	
For >500 To 1,000, Deduct	-87.55	
For >1,000 To 2,000, Deduct	-132.41	
For >2,000 To 5,000, Deduct	-216.20	
For >5,000, Deduct	-358.88	

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33 01 30 72-0197	LF	28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,901.12	
		For Vinylster Resin, Add	1,263.02	
		For Epoxy Resin, Add	148.86	
		For Up To >10, Add	1,192.56	
		For >10 To 25, Add	693.08	
		For >25 To 50, Add	506.06	
		For >50 To 100, Add	253.03	
		For >500 To 1,000, Deduct	-97.48	
		For >1,000 To 2,000, Deduct	-147.42	
		For >2,000 To 5,000, Deduct	-240.72	
		For >5,000, Deduct	-399.58	
33 01 30 72-0198	LF	28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,100.23	
		For Vinylster Resin, Add	1,391.73	
		For Epoxy Resin, Add	164.03	
		For Up To >10, Add	1,330.22	
		For >10 To 25, Add	777.15	
		For >25 To 50, Add	565.70	
		For >50 To 100, Add	282.85	
		For >500 To 1,000, Deduct	-107.81	
		For >1,000 To 2,000, Deduct	-163.12	
		For >2,000 To 5,000, Deduct	-266.59	
		For >5,000, Deduct	-442.45	
33 01 30 72-0199	LF	28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,294.41	
		For Vinylster Resin, Add	1,520.44	
		For Epoxy Resin, Add	179.19	
		For Up To >10, Add	1,453.08	
		For >10 To 25, Add	848.89	
		For >25 To 50, Add	617.94	
		For >50 To 100, Add	308.97	
		For >500 To 1,000, Deduct	-117.78	
		For >1,000 To 2,000, Deduct	-178.20	
		For >2,000 To 5,000, Deduct	-291.23	
		For >5,000, Deduct	-483.35	
33 01 30 72-0200	LF	28.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,488.73	
		For Vinylster Resin, Add	1,649.15	
		For Epoxy Resin, Add	194.36	
		For Up To >10, Add	1,576.37	
		For >10 To 25, Add	920.98	
		For >25 To 50, Add	670.39	
		For >50 To 100, Add	335.19	
		For >500 To 1,000, Deduct	-127.76	
		For >1,000 To 2,000, Deduct	-193.29	
		For >2,000 To 5,000, Deduct	-315.91	
		For >5,000, Deduct	-524.31	
33 01 30 72-0201	LF	28.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,682.92	
		For Vinylster Resin, Add	1,777.86	
		For Epoxy Resin, Add	209.53	
		For Up To >10, Add	1,699.26	
		For >10 To 25, Add	992.75	
		For >25 To 50, Add	722.64	
		For >50 To 100, Add	361.32	
		For >500 To 1,000, Deduct	-137.72	
		For >1,000 To 2,000, Deduct	-208.38	
		For >2,000 To 5,000, Deduct	-340.56	
		For >5,000, Deduct	-565.21	

**33 01 30 72-0202 30mm Thick Lining Cured In-Place Pipe** (33 01 30 72-0015)

33 01 30 72-0203	LF	30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	775.04	
		For Vinylster Resin, Add	515.27	
		For Epoxy Resin, Add	60.73	
		For Up To >10, Add	484.87	
		For >10 To 25, Add	281.38	
		For >25 To 50, Add	205.63	
		For >50 To 100, Add	102.82	
		For >500 To 1,000, Deduct	-39.73	
		For >1,000 To 2,000, Deduct	-60.08	
		For >2,000 To 5,000, Deduct	-98.07	
		For >5,000, Deduct	-162.80	
33 01 30 72-0204	LF	30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	876.97	
		For Vinylster Resin, Add	583.01	
		For Epoxy Resin, Add	68.71	
		For Up To >10, Add	548.74	
		For >10 To 25, Add	318.47	
		For >25 To 50, Add	232.72	
		For >50 To 100, Add	116.36	
		For >500 To 1,000, Deduct	-44.95	
		For >1,000 To 2,000, Deduct	-67.98	
		For >2,000 To 5,000, Deduct	-110.97	
		For >5,000, Deduct	-184.21	



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33 01 30 72-0205 LF 30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	978.90	
For Vinylster Resin, Add	650.75	
For Epoxy Resin, Add	76.70	
For Up To >10, Add	612.60	
For >10 To 25, Add	355.56	
For >25 To 50, Add	259.82	
For >50 To 100, Add	129.91	
For >500 To 1,000, Deduct	-50.18	
For >1,000 To 2,000, Deduct	-75.88	
For >2,000 To 5,000, Deduct	-123.87	
For >5,000, Deduct	-205.63	
33 01 30 72-0206 LF 30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,182.65	
For Vinylster Resin, Add	786.23	
For Epoxy Resin, Add	92.66	
For Up To >10, Add	739.98	
For >10 To 25, Add	429.45	
For >25 To 50, Add	313.83	
For >50 To 100, Add	156.91	
For >500 To 1,000, Deduct	-60.62	
For >1,000 To 2,000, Deduct	-91.67	
For >2,000 To 5,000, Deduct	-149.65	
For >5,000, Deduct	-248.42	
33 01 30 72-0207 LF 30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,386.51	
For Vinylster Resin, Add	921.71	
For Epoxy Resin, Add	108.63	
For Up To >10, Add	867.71	
For >10 To 25, Add	503.63	
For >25 To 50, Add	368.02	
For >50 To 100, Add	184.01	
For >500 To 1,000, Deduct	-71.07	
For >1,000 To 2,000, Deduct	-107.48	
For >2,000 To 5,000, Deduct	-175.45	
For >5,000, Deduct	-291.26	
33 01 30 72-0208 LF 30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,590.25	
For Vinylster Resin, Add	1,057.20	
For Epoxy Resin, Add	124.60	
For Up To >10, Add	995.05	
For >10 To 25, Add	577.50	
For >25 To 50, Add	422.01	
For >50 To 100, Add	211.01	
For >500 To 1,000, Deduct	-81.51	
For >1,000 To 2,000, Deduct	-123.27	
For >2,000 To 5,000, Deduct	-201.23	
For >5,000, Deduct	-334.04	
33 01 30 72-0209 LF 30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,794.12	
For Vinylster Resin, Add	1,192.68	
For Epoxy Resin, Add	140.57	
For Up To >10, Add	1,122.79	
For >10 To 25, Add	651.68	
For >25 To 50, Add	476.20	
For >50 To 100, Add	238.10	
For >500 To 1,000, Deduct	-91.96	
For >1,000 To 2,000, Deduct	-139.07	
For >2,000 To 5,000, Deduct	-227.03	
For >5,000, Deduct	-376.88	
33 01 30 72-0210 LF 30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,997.87	
For Vinylster Resin, Add	1,328.17	
For Epoxy Resin, Add	156.53	
For Up To >10, Add	1,250.16	
For >10 To 25, Add	725.57	
For >25 To 50, Add	530.21	
For >50 To 100, Add	265.11	
For >500 To 1,000, Deduct	-102.41	
For >1,000 To 2,000, Deduct	-154.86	
For >2,000 To 5,000, Deduct	-252.81	
For >5,000, Deduct	-419.67	
33 01 30 72-0211 LF 30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,207.26	
For Vinylster Resin, Add	1,463.65	
For Epoxy Resin, Add	172.50	
For Up To >10, Add	1,394.46	
For >10 To 25, Add	813.56	
For >25 To 50, Add	592.68	
For >50 To 100, Add	296.34	
For >500 To 1,000, Deduct	-113.27	
For >1,000 To 2,000, Deduct	-171.36	
For >2,000 To 5,000, Deduct	-279.99	
For >5,000, Deduct	-464.72	

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33 01 30 72-0212	LF	30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,411.50	
		For Vinlyester Resin, Add	1,599.14	
		For Epoxy Resin, Add	188.47	
		For Up To >10, Add	1,523.30	
		For >10 To 25, Add	888.67	
		For >25 To 50, Add	647.43	
		For >50 To 100, Add	323.71	
		For >500 To 1,000, Deduct	-123.75	
		For >1,000 To 2,000, Deduct	-187.21	
		For >2,000 To 5,000, Deduct	-305.89	
		For >5,000, Deduct	-507.70	
33 01 30 72-0213	LF	30mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,615.87	
		For Vinlyester Resin, Add	1,734.62	
		For Epoxy Resin, Add	204.44	
		For Up To >10, Add	1,652.54	
		For >10 To 25, Add	964.11	
		For >25 To 50, Add	702.37	
		For >50 To 100, Add	351.18	
		For >500 To 1,000, Deduct	-134.24	
		For >1,000 To 2,000, Deduct	-203.08	
		For >2,000 To 5,000, Deduct	-331.82	
		For >5,000, Deduct	-550.74	
33 01 30 72-0214	LF	30mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,820.21	
		For Vinlyester Resin, Add	1,870.10	
		For Epoxy Resin, Add	220.40	
		For Up To >10, Add	1,781.71	
		For >10 To 25, Add	1,039.49	
		For >25 To 50, Add	757.27	
		For >50 To 100, Add	378.64	
		For >500 To 1,000, Deduct	-144.73	
		For >1,000 To 2,000, Deduct	-218.95	
		For >2,000 To 5,000, Deduct	-357.75	
		For >5,000, Deduct	-593.77	
33 01 30 72-0215	LF	30mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,024.45	
		For Vinlyester Resin, Add	2,005.58	
		For Epoxy Resin, Add	236.37	
		For Up To >10, Add	1,910.55	
		For >10 To 25, Add	1,114.61	
		For >25 To 50, Add	812.02	
		For >50 To 100, Add	406.01	
		For >500 To 1,000, Deduct	-155.21	
		For >1,000 To 2,000, Deduct	-234.80	
		For >2,000 To 5,000, Deduct	-383.65	
		For >5,000, Deduct	-636.76	
33 01 30 72-0216	LF	30mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,228.81	
		For Vinlyester Resin, Add	2,141.07	
		For Epoxy Resin, Add	252.34	
		For Up To >10, Add	2,039.76	
		For >10 To 25, Add	1,190.02	
		For >25 To 50, Add	866.94	
		For >50 To 100, Add	433.47	
		For >500 To 1,000, Deduct	-165.69	
		For >1,000 To 2,000, Deduct	-250.67	
		For >2,000 To 5,000, Deduct	-409.58	
		For >5,000, Deduct	-679.79	

**33 01 30 72-0217 31.5mm Thick Lining Cured In-Place Pipe** (33 01 30 72-0015)

33 01 30 72-0218	LF	31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	811.20	
		For Vinlyester Resin, Add	539.63	
		For Epoxy Resin, Add	63.60	
		For Up To >10, Add	506.35	
		For >10 To 25, Add	293.48	
		For >25 To 50, Add	214.63	
		For >50 To 100, Add	107.32	
		For >500 To 1,000, Deduct	-41.57	
		For >1,000 To 2,000, Deduct	-62.86	
		For >2,000 To 5,000, Deduct	-102.58	
		For >5,000, Deduct	-170.30	
33 01 30 72-0219	LF	31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	918.08	
		For Vinlyester Resin, Add	610.76	
		For Epoxy Resin, Add	71.98	
		For Up To >10, Add	572.97	
		For >10 To 25, Add	332.05	
		For >25 To 50, Add	242.86	
		For >50 To 100, Add	121.43	
		For >500 To 1,000, Deduct	-47.04	
		For >1,000 To 2,000, Deduct	-71.13	
		For >2,000 To 5,000, Deduct	-116.09	
		For >5,000, Deduct	-192.73	



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33 01 30 72-0220 LF 31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,024.97	
For Vinlyester Resin, Add	681.88	
For Epoxy Resin, Add	80.36	
For Up To >10, Add	639.61	
For >10 To 25, Add	370.66	
For >25 To 50, Add	271.10	
For >50 To 100, Add	135.55	
For >500 To 1,000, Deduct	-52.52	
For >1,000 To 2,000, Deduct	-79.42	
For >2,000 To 5,000, Deduct	-129.61	
For >5,000, Deduct	-215.16	
33 01 30 72-0221 LF 31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,238.90	
For Vinlyester Resin, Add	824.15	
For Epoxy Resin, Add	97.13	
For Up To >10, Add	773.33	
For >10 To 25, Add	448.21	
For >25 To 50, Add	327.80	
For >50 To 100, Add	163.90	
For >500 To 1,000, Deduct	-63.48	
For >1,000 To 2,000, Deduct	-96.00	
For >2,000 To 5,000, Deduct	-156.67	
For >5,000, Deduct	-260.09	
33 01 30 72-0222 LF 31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,452.68	
For Vinlyester Resin, Add	966.40	
For Epoxy Resin, Add	113.90	
For Up To >10, Add	906.62	
For >10 To 25, Add	525.42	
For >25 To 50, Add	384.28	
For >50 To 100, Add	192.14	
For >500 To 1,000, Deduct	-74.44	
For >1,000 To 2,000, Deduct	-112.56	
For >2,000 To 5,000, Deduct	-183.70	
For >5,000, Deduct	-304.96	
33 01 30 72-0223 LF 31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,666.60	
For Vinlyester Resin, Add	1,108.66	
For Epoxy Resin, Add	130.66	
For Up To >10, Add	1,040.30	
For >10 To 25, Add	602.95	
For >25 To 50, Add	440.96	
For >50 To 100, Add	220.48	
For >500 To 1,000, Deduct	-85.40	
For >1,000 To 2,000, Deduct	-129.14	
For >2,000 To 5,000, Deduct	-210.76	
For >5,000, Deduct	-349.88	
33 01 30 72-0224 LF 31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,880.38	
For Vinlyester Resin, Add	1,250.91	
For Epoxy Resin, Add	147.43	
For Up To >10, Add	1,173.59	
For >10 To 25, Add	680.16	
For >25 To 50, Add	497.44	
For >50 To 100, Add	248.72	
For >500 To 1,000, Deduct	-96.35	
For >1,000 To 2,000, Deduct	-145.70	
For >2,000 To 5,000, Deduct	-237.78	
For >5,000, Deduct	-394.75	
33 01 30 72-0225 LF 31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,094.17	
For Vinlyester Resin, Add	1,393.18	
For Epoxy Resin, Add	164.20	
For Up To >10, Add	1,306.89	
For >10 To 25, Add	757.36	
For >25 To 50, Add	553.93	
For >50 To 100, Add	276.97	
For >500 To 1,000, Deduct	-107.31	
For >1,000 To 2,000, Deduct	-162.26	
For >2,000 To 5,000, Deduct	-264.81	
For >5,000, Deduct	-439.62	
33 01 30 72-0226 LF 31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,313.87	
For Vinlyester Resin, Add	1,535.44	
For Epoxy Resin, Add	180.96	
For Up To >10, Add	1,457.91	
For >10 To 25, Add	849.35	
For >25 To 50, Add	619.28	
For >50 To 100, Add	309.64	
For >500 To 1,000, Deduct	-118.70	
For >1,000 To 2,000, Deduct	-179.56	
For >2,000 To 5,000, Deduct	-293.32	
For >5,000, Deduct	-486.85	

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33 01 30 72-0227	LF	31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,544.76	
		For Vinlyester Resin, Add	1,689.15	
		For Epoxy Resin, Add	199.08	
		For Up To >10, Add	1,601.61	
		For >10 To 25, Add	932.49	
		For >25 To 50, Add	680.15	
		For >50 To 100, Add	340.07	
		For >500 To 1,000, Deduct	-130.53	
		For >1,000 To 2,000, Deduct	-197.44	
		For >2,000 To 5,000, Deduct	-322.49	
		For >5,000, Deduct	-535.29	
33 01 30 72-0228	LF	31.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,742.55	
		For Vinlyester Resin, Add	1,819.95	
		For Epoxy Resin, Add	214.49	
		For Up To >10, Add	1,727.83	
		For >10 To 25, Add	1,006.53	
		For >25 To 50, Add	733.92	
		For >50 To 100, Add	366.96	
		For >500 To 1,000, Deduct	-140.69	
		For >1,000 To 2,000, Deduct	-212.82	
		For >2,000 To 5,000, Deduct	-347.65	
		For >5,000, Deduct	-577.03	
33 01 30 72-0229	LF	31.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,956.96	
		For Vinlyester Resin, Add	1,962.21	
		For Epoxy Resin, Add	231.26	
		For Up To >10, Add	1,863.01	
		For >10 To 25, Add	1,085.31	
		For >25 To 50, Add	791.35	
		For >50 To 100, Add	395.67	
		For >500 To 1,000, Deduct	-151.69	
		For >1,000 To 2,000, Deduct	-229.46	
		For >2,000 To 5,000, Deduct	-374.83	
		For >5,000, Deduct	-622.15	
33 01 30 72-0230	LF	31.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,171.24	
		For Vinlyester Resin, Add	2,104.47	
		For Epoxy Resin, Add	248.03	
		For Up To >10, Add	1,997.77	
		For >10 To 25, Add	1,163.75	
		For >25 To 50, Add	848.57	
		For >50 To 100, Add	424.28	
		For >500 To 1,000, Deduct	-162.68	
		For >1,000 To 2,000, Deduct	-246.09	
		For >2,000 To 5,000, Deduct	-401.98	
		For >5,000, Deduct	-667.22	
33 01 30 72-0231	LF	31.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,385.64	
		For Vinlyester Resin, Add	2,246.72	
		For Epoxy Resin, Add	264.79	
		For Up To >10, Add	2,132.92	
		For >10 To 25, Add	1,242.50	
		For >25 To 50, Add	905.98	
		For >50 To 100, Add	452.99	
		For >500 To 1,000, Deduct	-173.68	
		For >1,000 To 2,000, Deduct	-262.73	
		For >2,000 To 5,000, Deduct	-429.16	
		For >5,000, Deduct	-712.34	

**33 01 30 72-0232 33mm Thick Lining Cured In-Place Pipe** (33 01 30 72-0015)

33 01 30 72-0233	LF	33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	847.03	
		For Vinlyester Resin, Add	563.86	
		For Epoxy Resin, Add	66.45	
		For Up To >10, Add	527.32	
		For >10 To 25, Add	305.18	
		For >25 To 50, Add	223.38	
		For >50 To 100, Add	111.69	
		For >500 To 1,000, Deduct	-43.39	
		For >1,000 To 2,000, Deduct	-65.60	
		For >2,000 To 5,000, Deduct	-107.04	
		For >5,000, Deduct	-177.71	
33 01 30 72-0234	LF	33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	959.01	
		For Vinlyester Resin, Add	638.37	
		For Epoxy Resin, Add	75.24	
		For Up To >10, Add	597.13	
		For >10 To 25, Add	345.62	
		For >25 To 50, Add	252.97	
		For >50 To 100, Add	126.48	
		For >500 To 1,000, Deduct	-49.13	
		For >1,000 To 2,000, Deduct	-74.28	
		For >2,000 To 5,000, Deduct	-121.20	
		For >5,000, Deduct	-201.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0235 LF 33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,070.86	
For Vinylster Resin, Add	712.89	
For Epoxy Resin, Add	84.02	
For Up To >10, Add	666.56	
For >10 To 25, Add	385.73	
For >25 To 50, Add	282.36	
For >50 To 100, Add	141.18	
For >500 To 1,000, Deduct	-54.85	
For >1,000 To 2,000, Deduct	-82.94	
For >2,000 To 5,000, Deduct	-135.32	
For >5,000, Deduct	-224.66	
33 01 30 72-0236 LF 33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,294.83	
For Vinylster Resin, Add	861.92	
For Epoxy Resin, Add	101.58	
For Up To >10, Add	806.19	
For >10 To 25, Add	466.61	
For >25 To 50, Add	341.53	
For >50 To 100, Add	170.76	
For >500 To 1,000, Deduct	-66.33	
For >1,000 To 2,000, Deduct	-100.29	
For >2,000 To 5,000, Deduct	-163.64	
For >5,000, Deduct	-271.67	
33 01 30 72-0237 LF 33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,518.66	
For Vinylster Resin, Add	1,010.95	
For Epoxy Resin, Add	119.15	
For Up To >10, Add	945.43	
For >10 To 25, Add	547.16	
For >25 To 50, Add	400.50	
For >50 To 100, Add	200.25	
For >500 To 1,000, Deduct	-77.79	
For >1,000 To 2,000, Deduct	-117.62	
For >2,000 To 5,000, Deduct	-191.92	
For >5,000, Deduct	-318.62	
33 01 30 72-0238 LF 33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,742.64	
For Vinylster Resin, Add	1,159.99	
For Epoxy Resin, Add	136.71	
For Up To >10, Add	1,085.10	
For >10 To 25, Add	628.06	
For >25 To 50, Add	459.69	
For >50 To 100, Add	229.85	
For >500 To 1,000, Deduct	-89.27	
For >1,000 To 2,000, Deduct	-134.97	
For >2,000 To 5,000, Deduct	-220.23	
For >5,000, Deduct	-365.63	
33 01 30 72-0239 LF 33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,966.46	
For Vinylster Resin, Add	1,309.02	
For Epoxy Resin, Add	154.28	
For Up To >10, Add	1,224.31	
For >10 To 25, Add	708.58	
For >25 To 50, Add	518.65	
For >50 To 100, Add	259.33	
For >500 To 1,000, Deduct	-100.73	
For >1,000 To 2,000, Deduct	-152.31	
For >2,000 To 5,000, Deduct	-248.51	
For >5,000, Deduct	-412.58	
33 01 30 72-0240 LF 33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,190.29	
For Vinylster Resin, Add	1,458.05	
For Epoxy Resin, Add	171.84	
For Up To >10, Add	1,363.55	
For >10 To 25, Add	789.13	
For >25 To 50, Add	577.63	
For >50 To 100, Add	288.81	
For >500 To 1,000, Deduct	-112.20	
For >1,000 To 2,000, Deduct	-169.64	
For >2,000 To 5,000, Deduct	-276.79	
For >5,000, Deduct	-459.53	
33 01 30 72-0241 LF 33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,420.15	
For Vinylster Resin, Add	1,607.08	
For Epoxy Resin, Add	189.41	
For Up To >10, Add	1,520.88	
For >10 To 25, Add	884.76	
For >25 To 50, Add	645.65	
For >50 To 100, Add	322.82	
For >500 To 1,000, Deduct	-124.12	
For >1,000 To 2,000, Deduct	-187.73	
For >2,000 To 5,000, Deduct	-306.58	
For >5,000, Deduct	-508.89	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0242	LF 33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,644.98
	For Vinylster Resin, Add	1,756.12
	For Epoxy Resin, Add	206.97
	For Up To >10, Add	1,663.09
	For >10 To 25, Add	967.79
	For >25 To 50, Add	706.11
	For >50 To 100, Add	353.05
	For >500 To 1,000, Deduct	-135.66
	For >1,000 To 2,000, Deduct	-205.19
	For >2,000 To 5,000, Deduct	-335.11
	For >5,000, Deduct	-556.24
33 01 30 72-0243	LF 33mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,868.93
	For Vinylster Resin, Add	1,905.15
	For Epoxy Resin, Add	224.54
	For Up To >10, Add	1,802.69
	For >10 To 25, Add	1,048.64
	For >25 To 50, Add	765.26
	For >50 To 100, Add	382.63
	For >500 To 1,000, Deduct	-147.13
	For >1,000 To 2,000, Deduct	-222.53
	For >2,000 To 5,000, Deduct	-363.42
	For >5,000, Deduct	-603.24
33 01 30 72-0244	LF 33mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,093.38
	For Vinylster Resin, Add	2,054.18
	For Epoxy Resin, Add	242.10
	For Up To >10, Add	1,943.79
	For >10 To 25, Add	1,130.74
	For >25 To 50, Add	825.17
	For >50 To 100, Add	412.58
	For >500 To 1,000, Deduct	-158.64
	For >1,000 To 2,000, Deduct	-239.95
	For >2,000 To 5,000, Deduct	-391.85
	For >5,000, Deduct	-650.44
33 01 30 72-0245	LF 33mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,317.82
	For Vinylster Resin, Add	2,203.21
	For Epoxy Resin, Add	259.66
	For Up To >10, Add	2,084.86
	For >10 To 25, Add	1,212.81
	For >25 To 50, Add	885.06
	For >50 To 100, Add	442.53
	For >500 To 1,000, Deduct	-170.15
	For >1,000 To 2,000, Deduct	-257.36
	For >2,000 To 5,000, Deduct	-420.29
	For >5,000, Deduct	-697.64
33 01 30 72-0246	LF 33mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,542.29
	For Vinylster Resin, Add	2,352.25
	For Epoxy Resin, Add	277.23
	For Up To >10, Add	2,226.00
	For >10 To 25, Add	1,294.94
	For >25 To 50, Add	944.98
	For >50 To 100, Add	472.49
	For >500 To 1,000, Deduct	-181.66
	For >1,000 To 2,000, Deduct	-274.77
	For >2,000 To 5,000, Deduct	-448.73
	For >5,000, Deduct	-744.85

**33 01 30 72-0247 34.5mm Thick Lining Cured In-Place Pipe** (33 01 30 72-0015)

33 01 30 72-0248	LF 34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	999.38
	For Vinylster Resin, Add	665.86
	For Epoxy Resin, Add	78.48
	For Up To >10, Add	620.07
	For >10 To 25, Add	358.18
	For >25 To 50, Add	262.47
	For >50 To 100, Add	131.24
	For >500 To 1,000, Deduct	-51.17
	For >1,000 To 2,000, Deduct	-77.36
	For >2,000 To 5,000, Deduct	-126.19
	For >5,000, Deduct	-209.51
33 01 30 72-0249	LF 34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,116.32
	For Vinylster Resin, Add	743.76
	For Epoxy Resin, Add	87.66
	For Up To >10, Add	692.69
	For >10 To 25, Add	400.15
	For >25 To 50, Add	293.22
	For >50 To 100, Add	146.61
	For >500 To 1,000, Deduct	-57.16
	For >1,000 To 2,000, Deduct	-86.41
	For >2,000 To 5,000, Deduct	-140.95
	For >5,000, Deduct	-234.03





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0250 LF 34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,350.21	
For Vinlyester Resin, Add	899.57	
For Epoxy Resin, Add	106.02	
For Up To >10, Add	837.88	
For >10 To 25, Add	484.05	
For >25 To 50, Add	354.69	
For >50 To 100, Add	177.34	
For >500 To 1,000, Deduct	-69.14	
For >1,000 To 2,000, Deduct	-104.52	
For >2,000 To 5,000, Deduct	-170.49	
For >5,000, Deduct	-283.06	
33 01 30 72-0251 LF 34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,583.97	
For Vinlyester Resin, Add	1,055.38	
For Epoxy Resin, Add	124.38	
For Up To >10, Add	982.71	
For >10 To 25, Add	567.65	
For >25 To 50, Add	415.97	
For >50 To 100, Add	207.99	
For >500 To 1,000, Deduct	-81.11	
For >1,000 To 2,000, Deduct	-122.61	
For >2,000 To 5,000, Deduct	-199.99	
For >5,000, Deduct	-332.05	
33 01 30 72-0252 LF 34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,817.84	
For Vinlyester Resin, Add	1,211.18	
For Epoxy Resin, Add	142.75	
For Up To >10, Add	1,127.90	
For >10 To 25, Add	651.54	
For >25 To 50, Add	477.44	
For >50 To 100, Add	238.72	
For >500 To 1,000, Deduct	-93.08	
For >1,000 To 2,000, Deduct	-140.72	
For >2,000 To 5,000, Deduct	-229.53	
For >5,000, Deduct	-381.09	
33 01 30 72-0253 LF 34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,051.61	
For Vinlyester Resin, Add	1,366.99	
For Epoxy Resin, Add	161.11	
For Up To >10, Add	1,272.73	
For >10 To 25, Add	735.14	
For >25 To 50, Add	538.72	
For >50 To 100, Add	269.36	
For >500 To 1,000, Deduct	-105.05	
For >1,000 To 2,000, Deduct	-158.81	
For >2,000 To 5,000, Deduct	-259.03	
For >5,000, Deduct	-430.08	
33 01 30 72-0254 LF 34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,285.49	
For Vinlyester Resin, Add	1,522.79	
For Epoxy Resin, Add	179.47	
For Up To >10, Add	1,417.92	
For >10 To 25, Add	819.03	
For >25 To 50, Add	600.19	
For >50 To 100, Add	300.09	
For >500 To 1,000, Deduct	-117.03	
For >1,000 To 2,000, Deduct	-176.92	
For >2,000 To 5,000, Deduct	-288.57	
For >5,000, Deduct	-479.11	
33 01 30 72-0255 LF 34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,525.39	
For Vinlyester Resin, Add	1,678.60	
For Epoxy Resin, Add	197.84	
For Up To >10, Add	1,581.17	
For >10 To 25, Add	917.98	
For >25 To 50, Add	670.69	
For >50 To 100, Add	335.34	
For >500 To 1,000, Deduct	-129.45	
For >1,000 To 2,000, Deduct	-195.77	
For >2,000 To 5,000, Deduct	-319.61	
For >5,000, Deduct	-530.56	
33 01 30 72-0256 LF 34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,760.00	
For Vinlyester Resin, Add	1,834.40	
For Epoxy Resin, Add	216.20	
For Up To >10, Add	1,728.58	
For >10 To 25, Add	1,003.72	
For >25 To 50, Add	733.26	
For >50 To 100, Add	366.63	
For >500 To 1,000, Deduct	-141.49	
For >1,000 To 2,000, Deduct	-213.97	
For >2,000 To 5,000, Deduct	-349.33	
For >5,000, Deduct	-579.89	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 01 30 72-0257	LF	34.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,992.17	
		For Vinylster Resin, Add	1,990.21	
		For Epoxy Resin, Add	234.56	
		For Up To >10, Add	1,868.61	
		For >10 To 25, Add	1,083.32	
		For >25 To 50, Add	792.15	
		For >50 To 100, Add	396.07	
		For >500 To 1,000, Deduct	-153.33	
		For >1,000 To 2,000, Deduct	-231.86	
		For >2,000 To 5,000, Deduct	-378.43	
		For >5,000, Deduct	-628.24	
33 01 30 72-0258	LF	34.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,228.63	
		For Vinylster Resin, Add	2,146.02	
		For Epoxy Resin, Add	252.92	
		For Up To >10, Add	2,021.54	
		For >10 To 25, Add	1,173.66	
		For >25 To 50, Add	857.48	
		For >50 To 100, Add	428.74	
		For >500 To 1,000, Deduct	-165.50	
		For >1,000 To 2,000, Deduct	-250.29	
		For >2,000 To 5,000, Deduct	-408.61	
		For >5,000, Deduct	-678.30	
33 01 30 72-0259	LF	34.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,463.00	
		For Vinylster Resin, Add	2,301.82	
		For Epoxy Resin, Add	271.29	
		For Up To >10, Add	2,168.20	
		For >10 To 25, Add	1,258.78	
		For >25 To 50, Add	919.68	
		For >50 To 100, Add	459.84	
		For >500 To 1,000, Deduct	-177.52	
		For >1,000 To 2,000, Deduct	-268.46	
		For >2,000 To 5,000, Deduct	-438.27	
		For >5,000, Deduct	-727.54	
33 01 30 72-0260	LF	34.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,697.38	
		For Vinylster Resin, Add	2,457.63	
		For Epoxy Resin, Add	289.65	
		For Up To >10, Add	2,314.89	
		For >10 To 25, Add	1,343.93	
		For >25 To 50, Add	981.90	
		For >50 To 100, Add	490.95	
		For >500 To 1,000, Deduct	-189.53	
		For >1,000 To 2,000, Deduct	-286.63	
		For >2,000 To 5,000, Deduct	-467.93	
		For >5,000, Deduct	-776.77	
<b>33 01 30 72-0261</b>		<b>36mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0262	LF	36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,039.56	
		For Vinylster Resin, Add	693.21	
		For Epoxy Resin, Add	81.70	
		For Up To >10, Add	642.93	
		For >10 To 25, Add	370.73	
		For >25 To 50, Add	271.95	
		For >50 To 100, Add	135.98	
		For >500 To 1,000, Deduct	-53.21	
		For >1,000 To 2,000, Deduct	-80.43	
		For >2,000 To 5,000, Deduct	-131.15	
		For >5,000, Deduct	-217.76	
33 01 30 72-0263	LF	36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,161.45	
		For Vinylster Resin, Add	774.49	
		For Epoxy Resin, Add	91.28	
		For Up To >10, Add	718.30	
		For >10 To 25, Add	414.18	
		For >25 To 50, Add	303.83	
		For >50 To 100, Add	151.91	
		For >500 To 1,000, Deduct	-59.45	
		For >1,000 To 2,000, Deduct	-89.86	
		For >2,000 To 5,000, Deduct	-146.53	
		For >5,000, Deduct	-243.30	
33 01 30 72-0264	LF	36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,405.27	
		For Vinylster Resin, Add	937.08	
		For Epoxy Resin, Add	110.44	
		For Up To >10, Add	869.09	
		For >10 To 25, Add	501.12	
		For >25 To 50, Add	367.61	
		For >50 To 100, Add	183.80	
		For >500 To 1,000, Deduct	-71.93	
		For >1,000 To 2,000, Deduct	-108.72	
		For >2,000 To 5,000, Deduct	-177.29	
		For >5,000, Deduct	-294.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0265 LF 36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,649.07	
For Vinlyester Resin, Add	1,099.66	
For Epoxy Resin, Add	129.60	
For Up To >10, Add	1,019.86	
For >10 To 25, Add	588.06	
For >25 To 50, Add	431.38	
For >50 To 100, Add	215.69	
For >500 To 1,000, Deduct	-84.41	
For >1,000 To 2,000, Deduct	-127.59	
For >2,000 To 5,000, Deduct	-208.05	
For >5,000, Deduct	-345.44	
33 01 30 72-0266 LF 36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,892.75	
For Vinlyester Resin, Add	1,262.24	
For Epoxy Resin, Add	148.76	
For Up To >10, Add	1,170.25	
For >10 To 25, Add	674.68	
For >25 To 50, Add	494.97	
For >50 To 100, Add	247.48	
For >500 To 1,000, Deduct	-96.88	
For >1,000 To 2,000, Deduct	-146.43	
For >2,000 To 5,000, Deduct	-238.77	
For >5,000, Deduct	-396.46	
33 01 30 72-0267 LF 36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,136.56	
For Vinlyester Resin, Add	1,424.82	
For Epoxy Resin, Add	167.93	
For Up To >10, Add	1,321.03	
For >10 To 25, Add	761.62	
For >25 To 50, Add	558.74	
For >50 To 100, Add	279.37	
For >500 To 1,000, Deduct	-109.36	
For >1,000 To 2,000, Deduct	-165.30	
For >2,000 To 5,000, Deduct	-269.53	
For >5,000, Deduct	-447.53	
33 01 30 72-0268 LF 36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,380.36	
For Vinlyester Resin, Add	1,587.40	
For Epoxy Resin, Add	187.09	
For Up To >10, Add	1,471.81	
For >10 To 25, Add	848.55	
For >25 To 50, Add	622.52	
For >50 To 100, Add	311.26	
For >500 To 1,000, Deduct	-121.83	
For >1,000 To 2,000, Deduct	-184.16	
For >2,000 To 5,000, Deduct	-300.29	
For >5,000, Deduct	-498.60	
33 01 30 72-0269 LF 36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,630.43	
For Vinlyester Resin, Add	1,749.98	
For Epoxy Resin, Add	206.25	
For Up To >10, Add	1,641.37	
For >10 To 25, Add	951.14	
For >25 To 50, Add	695.68	
For >50 To 100, Add	347.84	
For >500 To 1,000, Deduct	-134.78	
For >1,000 To 2,000, Deduct	-203.81	
For >2,000 To 5,000, Deduct	-332.61	
For >5,000, Deduct	-552.18	
33 01 30 72-0270 LF 36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,874.85	
For Vinlyester Resin, Add	1,912.56	
For Epoxy Resin, Add	225.41	
For Up To >10, Add	1,793.98	
For >10 To 25, Add	1,039.61	
For >25 To 50, Add	760.38	
For >50 To 100, Add	380.19	
For >500 To 1,000, Deduct	-147.31	
For >1,000 To 2,000, Deduct	-222.74	
For >2,000 To 5,000, Deduct	-363.52	
For >5,000, Deduct	-603.49	
33 01 30 72-0271 LF 36mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,115.10	
For Vinlyester Resin, Add	2,075.14	
For Epoxy Resin, Add	244.57	
For Up To >10, Add	1,934.08	
For >10 To 25, Add	1,117.65	
For >25 To 50, Add	818.81	
For >50 To 100, Add	409.41	
For >500 To 1,000, Deduct	-159.52	
For >1,000 To 2,000, Deduct	-241.16	
For >2,000 To 5,000, Deduct	-393.39	
For >5,000, Deduct	-653.14	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0272	LF 36mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,363.56
	For Vinlyester Resin, Add	2,237.72
	For Epoxy Resin, Add	263.73
	For Up To >10, Add	2,098.83
	For >10 To 25, Add	1,216.24
	For >25 To 50, Add	889.58
	For >50 To 100, Add	444.79
	For >500 To 1,000, Deduct	-172.35
	For >1,000 To 2,000, Deduct	-260.61
	For >2,000 To 5,000, Deduct	-425.31
	For >5,000, Deduct	-706.08
33 01 30 72-0273	LF 36mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,607.98
	For Vinlyester Resin, Add	2,400.30
	For Epoxy Resin, Add	282.89
	For Up To >10, Add	2,251.44
	For >10 To 25, Add	1,304.70
	For >25 To 50, Add	954.27
	For >50 To 100, Add	477.14
	For >500 To 1,000, Deduct	-184.87
	For >1,000 To 2,000, Deduct	-279.55
	For >2,000 To 5,000, Deduct	-456.23
	For >5,000, Deduct	-757.39
33 01 30 72-0274	LF 36mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,852.41
	For Vinlyester Resin, Add	2,562.88
	For Epoxy Resin, Add	302.05
	For Up To >10, Add	2,404.08
	For >10 To 25, Add	1,393.19
	For >25 To 50, Add	1,018.98
	For >50 To 100, Add	509.49
	For >500 To 1,000, Deduct	-197.40
	For >1,000 To 2,000, Deduct	-298.49
	For >2,000 To 5,000, Deduct	-487.14
	For >5,000, Deduct	-808.71
33 01 30 72-0275	LF 36mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,096.71
	For Vinlyester Resin, Add	2,725.46
	For Epoxy Resin, Add	321.22
	For Up To >10, Add	2,556.33
	For >10 To 25, Add	1,481.36
	For >25 To 50, Add	1,083.49
	For >50 To 100, Add	541.74
	For >500 To 1,000, Deduct	-209.92
	For >1,000 To 2,000, Deduct	-317.41
	For >2,000 To 5,000, Deduct	-518.02
	For >5,000, Deduct	-859.98
33 01 30 72-0276	LF 36mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,341.13
	For Vinlyester Resin, Add	2,888.05
	For Epoxy Resin, Add	340.38
	For Up To >10, Add	2,708.94
	For >10 To 25, Add	1,569.82
	For >25 To 50, Add	1,148.18
	For >50 To 100, Add	574.09
	For >500 To 1,000, Deduct	-222.44
	For >1,000 To 2,000, Deduct	-336.35
	For >2,000 To 5,000, Deduct	-548.93
	For >5,000, Deduct	-911.30

**33 01 30 72-0277 37.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)**

33 01 30 72-0278	LF 37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,206.28
	For Vinlyester Resin, Add	805.10
	For Epoxy Resin, Add	94.89
	For Up To >10, Add	743.49
	For >10 To 25, Add	427.89
	For >25 To 50, Add	314.24
	For >50 To 100, Add	157.12
	For >500 To 1,000, Deduct	-61.72
	For >1,000 To 2,000, Deduct	-93.28
	For >2,000 To 5,000, Deduct	-152.05
	For >5,000, Deduct	-252.48
33 01 30 72-0279	LF 37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,460.02
	For Vinlyester Resin, Add	974.46
	For Epoxy Resin, Add	114.85
	For Up To >10, Add	899.86
	For >10 To 25, Add	517.87
	For >25 To 50, Add	380.33
	For >50 To 100, Add	190.16
	For >500 To 1,000, Deduct	-74.70
	For >1,000 To 2,000, Deduct	-112.90
	For >2,000 To 5,000, Deduct	-184.03
	For >5,000, Deduct	-305.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0280 LF 37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,713.75	
For Vinylster Resin, Add	1,143.81	
For Epoxy Resin, Add	134.81	
For Up To >10, Add	1,056.20	
For >10 To 25, Add	607.83	
For >25 To 50, Add	446.40	
For >50 To 100, Add	223.20	
For >500 To 1,000, Deduct	-87.68	
For >1,000 To 2,000, Deduct	-132.52	
For >2,000 To 5,000, Deduct	-216.01	
For >5,000, Deduct	-358.70	
33 01 30 72-0281 LF 37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,967.47	
For Vinylster Resin, Add	1,313.17	
For Epoxy Resin, Add	154.77	
For Up To >10, Add	1,212.54	
For >10 To 25, Add	697.79	
For >25 To 50, Add	512.47	
For >50 To 100, Add	256.24	
For >500 To 1,000, Deduct	-100.66	
For >1,000 To 2,000, Deduct	-152.14	
For >2,000 To 5,000, Deduct	-247.99	
For >5,000, Deduct	-411.80	
33 01 30 72-0282 LF 37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,221.21	
For Vinylster Resin, Add	1,482.52	
For Epoxy Resin, Add	174.73	
For Up To >10, Add	1,368.91	
For >10 To 25, Add	787.77	
For >25 To 50, Add	578.56	
For >50 To 100, Add	289.28	
For >500 To 1,000, Deduct	-113.64	
For >1,000 To 2,000, Deduct	-171.76	
For >2,000 To 5,000, Deduct	-279.98	
For >5,000, Deduct	-464.91	
33 01 30 72-0283 LF 37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,474.93	
For Vinylster Resin, Add	1,651.87	
For Epoxy Resin, Add	194.69	
For Up To >10, Add	1,525.24	
For >10 To 25, Add	877.73	
For >25 To 50, Add	644.63	
For >50 To 100, Add	322.31	
For >500 To 1,000, Deduct	-126.62	
For >1,000 To 2,000, Deduct	-191.38	
For >2,000 To 5,000, Deduct	-311.96	
For >5,000, Deduct	-518.01	
33 01 30 72-0284 LF 37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,735.04	
For Vinylster Resin, Add	1,821.23	
For Epoxy Resin, Add	214.64	
For Up To >10, Add	1,700.75	
For >10 To 25, Add	983.66	
For >25 To 50, Add	720.29	
For >50 To 100, Add	360.14	
For >500 To 1,000, Deduct	-140.08	
For >1,000 To 2,000, Deduct	-211.79	
For >2,000 To 5,000, Deduct	-345.53	
For >5,000, Deduct	-573.67	
33 01 30 72-0285 LF 37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,989.39	
For Vinylster Resin, Add	1,990.58	
For Epoxy Resin, Add	234.60	
For Up To >10, Add	1,858.95	
For >10 To 25, Add	1,075.17	
For >25 To 50, Add	787.29	
For >50 To 100, Add	393.64	
For >500 To 1,000, Deduct	-153.11	
For >1,000 To 2,000, Deduct	-231.49	
For >2,000 To 5,000, Deduct	-377.67	
For >5,000, Deduct	-627.02	
33 01 30 72-0286 LF 37.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,241.64	
For Vinylster Resin, Add	2,159.94	
For Epoxy Resin, Add	254.56	
For Up To >10, Add	2,010.85	
For >10 To 25, Add	1,161.43	
For >25 To 50, Add	851.14	
For >50 To 100, Add	425.57	
For >500 To 1,000, Deduct	-165.98	
For >1,000 To 2,000, Deduct	-250.92	
For >2,000 To 5,000, Deduct	-409.28	
For >5,000, Deduct	-679.53	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 01 30 72-0287	LF	37.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,498.07	
		For Vinylster Resin, Add	2,329.29	
		For Epoxy Resin, Add	274.52	
		For Up To >10, Add	2,175.31	
		For >10 To 25, Add	1,258.17	
		For >25 To 50, Add	921.28	
		For >50 To 100, Add	460.64	
		For >500 To 1,000, Deduct	-179.17	
		For >1,000 To 2,000, Deduct	-270.88	
		For >2,000 To 5,000, Deduct	-441.93	
		For >5,000, Deduct	-733.72	
33 01 30 72-0288	LF	37.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,752.42	
		For Vinylster Resin, Add	2,498.65	
		For Epoxy Resin, Add	294.48	
		For Up To >10, Add	2,333.51	
		For >10 To 25, Add	1,349.68	
		For >25 To 50, Add	988.28	
		For >50 To 100, Add	494.14	
		For >500 To 1,000, Deduct	-192.19	
		For >1,000 To 2,000, Deduct	-290.58	
		For >2,000 To 5,000, Deduct	-474.07	
		For >5,000, Deduct	-787.07	
33 01 30 72-0289	LF	37.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,006.64	
		For Vinylster Resin, Add	2,668.00	
		For Epoxy Resin, Add	314.44	
		For Up To >10, Add	2,491.35	
		For >10 To 25, Add	1,440.88	
		For >25 To 50, Add	1,055.10	
		For >50 To 100, Add	527.55	
		For >500 To 1,000, Deduct	-205.21	
		For >1,000 To 2,000, Deduct	-310.26	
		For >2,000 To 5,000, Deduct	-506.17	
		For >5,000, Deduct	-840.37	
33 01 30 72-0290	LF	37.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,260.98	
		For Vinylster Resin, Add	2,837.36	
		For Epoxy Resin, Add	334.40	
		For Up To >10, Add	2,649.52	
		For >10 To 25, Add	1,532.37	
		For >25 To 50, Add	1,122.09	
		For >50 To 100, Add	561.04	
		For >500 To 1,000, Deduct	-218.24	
		For >1,000 To 2,000, Deduct	-329.95	
		For >2,000 To 5,000, Deduct	-538.31	
		For >5,000, Deduct	-893.72	
33 01 30 72-0291	LF	37.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,515.32	
		For Vinylster Resin, Add	3,006.71	
		For Epoxy Resin, Add	354.36	
		For Up To >10, Add	2,807.71	
		For >10 To 25, Add	1,623.88	
		For >25 To 50, Add	1,189.09	
		For >50 To 100, Add	594.55	
		For >500 To 1,000, Deduct	-231.27	
		For >1,000 To 2,000, Deduct	-349.65	
		For >2,000 To 5,000, Deduct	-570.44	
		For >5,000, Deduct	-947.07	

**33 01 30 72-0292 39mm Thick Lining Cured In-Place Pipe** (33 01 30 72-0015)

33 01 30 72-0293	LF	39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,514.56	
		For Vinylster Resin, Add	1,011.70	
		For Epoxy Resin, Add	119.24	
		For Up To >10, Add	930.48	
		For >10 To 25, Add	534.52	
		For >25 To 50, Add	392.98	
		For >50 To 100, Add	196.49	
		For >500 To 1,000, Deduct	-77.46	
		For >1,000 To 2,000, Deduct	-117.06	
		For >2,000 To 5,000, Deduct	-190.75	
		For >5,000, Deduct	-316.77	
33 01 30 72-0294	LF	39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,778.23	
		For Vinylster Resin, Add	1,187.83	
		For Epoxy Resin, Add	139.99	
		For Up To >10, Add	1,092.44	
		For >10 To 25, Add	627.55	
		For >25 To 50, Add	461.38	
		For >50 To 100, Add	230.69	
		For >500 To 1,000, Deduct	-90.94	
		For >1,000 To 2,000, Deduct	-137.43	
		For >2,000 To 5,000, Deduct	-223.96	
		For >5,000, Deduct	-371.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0295 LF 39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,041.87	
For Vinylster Resin, Add	1,363.96	
For Epoxy Resin, Add	160.75	
For Up To >10, Add	1,254.34	
For >10 To 25, Add	720.53	
For >25 To 50, Add	529.74	
For >50 To 100, Add	264.87	
For >500 To 1,000, Deduct	-104.43	
For >1,000 To 2,000, Deduct	-157.81	
For >2,000 To 5,000, Deduct	-257.16	
For >5,000, Deduct	-427.05	
33 01 30 72-0296 LF 39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,305.52	
For Vinylster Resin, Add	1,540.08	
For Epoxy Resin, Add	181.51	
For Up To >10, Add	1,416.26	
For >10 To 25, Add	813.53	
For >25 To 50, Add	598.12	
For >50 To 100, Add	299.06	
For >500 To 1,000, Deduct	-117.91	
For >1,000 To 2,000, Deduct	-178.18	
For >2,000 To 5,000, Deduct	-290.36	
For >5,000, Deduct	-482.18	
33 01 30 72-0297 LF 39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,569.31	
For Vinylster Resin, Add	1,716.22	
For Epoxy Resin, Add	202.27	
For Up To >10, Add	1,578.58	
For >10 To 25, Add	906.86	
For >25 To 50, Add	666.70	
For >50 To 100, Add	333.35	
For >500 To 1,000, Deduct	-131.40	
For >1,000 To 2,000, Deduct	-198.58	
For >2,000 To 5,000, Deduct	-323.60	
For >5,000, Deduct	-537.38	
33 01 30 72-0298 LF 39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,839.34	
For Vinylster Resin, Add	1,892.35	
For Epoxy Resin, Add	223.03	
For Up To >10, Add	1,759.65	
For >10 To 25, Add	1,015.81	
For >25 To 50, Add	744.66	
For >50 To 100, Add	372.33	
For >500 To 1,000, Deduct	-145.37	
For >1,000 To 2,000, Deduct	-219.75	
For >2,000 To 5,000, Deduct	-358.40	
For >5,000, Deduct	-595.07	
33 01 30 72-0299 LF 39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,103.60	
For Vinylster Resin, Add	2,068.47	
For Epoxy Resin, Add	243.78	
For Up To >10, Add	1,923.40	
For >10 To 25, Add	1,110.34	
For >25 To 50, Add	813.95	
For >50 To 100, Add	406.98	
For >500 To 1,000, Deduct	-158.90	
For >1,000 To 2,000, Deduct	-240.20	
For >2,000 To 5,000, Deduct	-391.76	
For >5,000, Deduct	-650.45	
33 01 30 72-0300 LF 39mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,367.86	
For Vinylster Resin, Add	2,244.60	
For Epoxy Resin, Add	264.54	
For Up To >10, Add	2,087.16	
For >10 To 25, Add	1,204.87	
For >25 To 50, Add	883.25	
For >50 To 100, Add	441.62	
For >500 To 1,000, Deduct	-172.43	
For >1,000 To 2,000, Deduct	-260.65	
For >2,000 To 5,000, Deduct	-425.11	
For >5,000, Deduct	-705.83	
33 01 30 72-0301 LF 39mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,632.27	
For Vinylster Resin, Add	2,420.73	
For Epoxy Resin, Add	285.30	
For Up To >10, Add	2,251.34	
For >10 To 25, Add	1,299.75	
For >25 To 50, Add	952.76	
For >50 To 100, Add	476.38	
For >500 To 1,000, Deduct	-185.97	
For >1,000 To 2,000, Deduct	-281.12	
For >2,000 To 5,000, Deduct	-458.50	
For >5,000, Deduct	-761.27	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0302	LF		39mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,896.53	
			For Vinlyester Resin, Add	2,596.86	
			For Epoxy Resin, Add	306.06	
			For Up To >10, Add	2,415.09	
			For >10 To 25, Add	1,394.28	
			For >25 To 50, Add	1,022.06	
			For >50 To 100, Add	511.03	
			For >500 To 1,000, Deduct	-199.49	
			For >1,000 To 2,000, Deduct	-301.58	
			For >2,000 To 5,000, Deduct	-491.86	
			For >5,000, Deduct	-816.65	
33 01 30 72-0303	LF		39mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,160.79	
			For Vinlyester Resin, Add	2,772.99	
			For Epoxy Resin, Add	326.82	
			For Up To >10, Add	2,578.85	
			For >10 To 25, Add	1,488.80	
			For >25 To 50, Add	1,091.35	
			For >50 To 100, Add	545.68	
			For >500 To 1,000, Deduct	-213.02	
			For >1,000 To 2,000, Deduct	-322.03	
			For >2,000 To 5,000, Deduct	-525.21	
			For >5,000, Deduct	-872.03	
33 01 30 72-0304	LF		39mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,425.06	
			For Vinlyester Resin, Add	2,949.11	
			For Epoxy Resin, Add	347.57	
			For Up To >10, Add	2,742.63	
			For >10 To 25, Add	1,583.36	
			For >25 To 50, Add	1,160.66	
			For >50 To 100, Add	580.33	
			For >500 To 1,000, Deduct	-226.55	
			For >1,000 To 2,000, Deduct	-342.48	
			For >2,000 To 5,000, Deduct	-558.57	
			For >5,000, Deduct	-927.42	
33 01 30 72-0305	LF		39mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,689.33	
			For Vinlyester Resin, Add	3,125.25	
			For Epoxy Resin, Add	368.33	
			For Up To >10, Add	2,906.39	
			For >10 To 25, Add	1,677.89	
			For >25 To 50, Add	1,229.96	
			For >50 To 100, Add	614.98	
			For >500 To 1,000, Deduct	-240.08	
			For >1,000 To 2,000, Deduct	-362.93	
			For >2,000 To 5,000, Deduct	-591.93	
			For >5,000, Deduct	-982.80	
33 01 30 72-0306	LF		39mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,953.59	
			For Vinlyester Resin, Add	3,301.38	
			For Epoxy Resin, Add	389.09	
			For Up To >10, Add	3,070.15	
			For >10 To 25, Add	1,772.41	
			For >25 To 50, Add	1,299.26	
			For >50 To 100, Add	649.63	
			For >500 To 1,000, Deduct	-253.61	
			For >1,000 To 2,000, Deduct	-383.39	
			For >2,000 To 5,000, Deduct	-625.29	
			For >5,000, Deduct	-1,038.19	
33 01 30 72-0307	LF		39mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,217.85	
			For Vinlyester Resin, Add	3,477.50	
			For Epoxy Resin, Add	409.85	
			For Up To >10, Add	3,233.90	
			For >10 To 25, Add	1,866.94	
			For >25 To 50, Add	1,368.56	
			For >50 To 100, Add	684.28	
			For >500 To 1,000, Deduct	-267.14	
			For >1,000 To 2,000, Deduct	-403.84	
			For >2,000 To 5,000, Deduct	-658.64	
			For >5,000, Deduct	-1,093.57	
33 01 30 72-0308			<b>40.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small> .....	1,842.39	
33 01 30 72-0309	LF		40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,842.39	
			For Vinlyester Resin, Add	1,231.71	
			For Epoxy Resin, Add	145.17	
			For Up To >10, Add	1,128.20	
			For >10 To 25, Add	646.90	
			For >25 To 50, Add	476.12	
			For >50 To 100, Add	238.06	
			For >500 To 1,000, Deduct	-94.19	
			For >1,000 To 2,000, Deduct	-142.32	
			For >2,000 To 5,000, Deduct	-231.85	
			For >5,000, Deduct	-385.04	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0310 LF 40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,115.96	
For Vinlyester Resin, Add	1,414.62	
For Epoxy Resin, Add	166.72	
For Up To >10, Add	1,295.68	
For >10 To 25, Add	742.92	
For >25 To 50, Add	546.80	
For >50 To 100, Add	273.40	
For >500 To 1,000, Deduct	-108.18	
For >1,000 To 2,000, Deduct	-163.45	
For >2,000 To 5,000, Deduct	-266.28	
For >5,000, Deduct	-442.21	
33 01 30 72-0311 LF 40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,389.53	
For Vinlyester Resin, Add	1,597.52	
For Epoxy Resin, Add	188.28	
For Up To >10, Add	1,463.17	
For >10 To 25, Add	838.94	
For >25 To 50, Add	617.47	
For >50 To 100, Add	308.74	
For >500 To 1,000, Deduct	-122.16	
For >1,000 To 2,000, Deduct	-184.58	
For >2,000 To 5,000, Deduct	-300.70	
For >5,000, Deduct	-499.38	
33 01 30 72-0312 LF 40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,663.11	
For Vinlyester Resin, Add	1,780.42	
For Epoxy Resin, Add	209.84	
For Up To >10, Add	1,630.68	
For >10 To 25, Add	934.99	
For >25 To 50, Add	688.17	
For >50 To 100, Add	344.08	
For >500 To 1,000, Deduct	-136.15	
For >1,000 To 2,000, Deduct	-205.72	
For >2,000 To 5,000, Deduct	-335.13	
For >5,000, Deduct	-556.55	
33 01 30 72-0313 LF 40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,943.33	
For Vinlyester Resin, Add	1,963.33	
For Epoxy Resin, Add	231.39	
For Up To >10, Add	1,818.09	
For >10 To 25, Add	1,047.62	
For >25 To 50, Add	768.81	
For >50 To 100, Add	384.40	
For >500 To 1,000, Deduct	-150.63	
For >1,000 To 2,000, Deduct	-227.68	
For >2,000 To 5,000, Deduct	-371.21	
For >5,000, Deduct	-616.38	
33 01 30 72-0314 LF 40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,217.51	
For Vinlyester Resin, Add	2,146.23	
For Epoxy Resin, Add	252.95	
For Up To >10, Add	1,987.43	
For >10 To 25, Add	1,145.19	
For >25 To 50, Add	840.41	
For >50 To 100, Add	420.21	
For >500 To 1,000, Deduct	-164.66	
For >1,000 To 2,000, Deduct	-248.89	
For >2,000 To 5,000, Deduct	-405.79	
For >5,000, Deduct	-673.80	
33 01 30 72-0315 LF 40.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,491.70	
For Vinlyester Resin, Add	2,329.13	
For Epoxy Resin, Add	274.50	
For Up To >10, Add	2,156.78	
For >10 To 25, Add	1,242.76	
For >25 To 50, Add	912.02	
For >50 To 100, Add	456.01	
For >500 To 1,000, Deduct	-178.69	
For >1,000 To 2,000, Deduct	-270.10	
For >2,000 To 5,000, Deduct	-440.37	
For >5,000, Deduct	-731.21	
33 01 30 72-0316 LF 40.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,765.88	
For Vinlyester Resin, Add	2,512.03	
For Epoxy Resin, Add	296.06	
For Up To >10, Add	2,326.09	
For >10 To 25, Add	1,340.31	
For >25 To 50, Add	983.61	
For >50 To 100, Add	491.81	
For >500 To 1,000, Deduct	-192.73	
For >1,000 To 2,000, Deduct	-291.30	
For >2,000 To 5,000, Deduct	-474.95	
For >5,000, Deduct	-788.63	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 01 30 72-0317	LF	40.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,040.08
		For Vinlyester Resin, Add	2,694.94
		For Epoxy Resin, Add	317.62
		For Up To >10, Add	2,495.47
		For >10 To 25, Add	1,437.90
		For >25 To 50, Add	1,055.24
		For >50 To 100, Add	527.62
		For >500 To 1,000, Deduct	-206.76
		For >1,000 To 2,000, Deduct	-312.51
		For >2,000 To 5,000, Deduct	-509.53
		For >5,000, Deduct	-846.05
33 01 30 72-0318	LF	40.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,314.26
		For Vinlyester Resin, Add	2,877.84
		For Epoxy Resin, Add	339.17
		For Up To >10, Add	2,664.78
		For >10 To 25, Add	1,535.45
		For >25 To 50, Add	1,126.83
		For >50 To 100, Add	563.42
		For >500 To 1,000, Deduct	-220.79
		For >1,000 To 2,000, Deduct	-333.72
		For >2,000 To 5,000, Deduct	-544.11
		For >5,000, Deduct	-903.46
33 01 30 72-0319	LF	40.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,588.45
		For Vinlyester Resin, Add	3,060.74
		For Epoxy Resin, Add	360.73
		For Up To >10, Add	2,834.13
		For >10 To 25, Add	1,633.02
		For >25 To 50, Add	1,198.44
		For >50 To 100, Add	599.22
		For >500 To 1,000, Deduct	-234.82
		For >1,000 To 2,000, Deduct	-354.93
		For >2,000 To 5,000, Deduct	-578.69
		For >5,000, Deduct	-960.88
33 01 30 72-0320	LF	40.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,862.65
		For Vinlyester Resin, Add	3,243.65
		For Epoxy Resin, Add	382.29
		For Up To >10, Add	3,003.50
		For >10 To 25, Add	1,730.62
		For >25 To 50, Add	1,270.06
		For >50 To 100, Add	635.03
		For >500 To 1,000, Deduct	-248.85
		For >1,000 To 2,000, Deduct	-376.14
		For >2,000 To 5,000, Deduct	-613.27
		For >5,000, Deduct	-1,018.30
33 01 30 72-0321	LF	40.5mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,136.83
		For Vinlyester Resin, Add	3,426.55
		For Epoxy Resin, Add	403.84
		For Up To >10, Add	3,172.82
		For >10 To 25, Add	1,828.17
		For >25 To 50, Add	1,341.65
		For >50 To 100, Add	670.83
		For >500 To 1,000, Deduct	-262.89
		For >1,000 To 2,000, Deduct	-397.35
		For >2,000 To 5,000, Deduct	-647.85
		For >5,000, Deduct	-1,075.72
33 01 30 72-0322	LF	40.5mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,411.02
		For Vinlyester Resin, Add	3,609.45
		For Epoxy Resin, Add	425.40
		For Up To >10, Add	3,342.16
		For >10 To 25, Add	1,925.74
		For >25 To 50, Add	1,413.26
		For >50 To 100, Add	706.63
		For >500 To 1,000, Deduct	-276.92
		For >1,000 To 2,000, Deduct	-418.56
		For >2,000 To 5,000, Deduct	-682.43
		For >5,000, Deduct	-1,133.14
33 01 30 72-0323		42mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>	2,189.74
33 01 30 72-0324	LF	42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,189.74
		For Vinlyester Resin, Add	1,465.14
		For Epoxy Resin, Add	172.68
		For Up To >10, Add	1,336.57
		For >10 To 25, Add	764.97
		For >25 To 50, Add	563.63
		For >50 To 100, Add	281.82
		For >500 To 1,000, Deduct	-111.90
		For >1,000 To 2,000, Deduct	-169.06
		For >2,000 To 5,000, Deduct	-275.34
		For >5,000, Deduct	-457.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0325 LF 42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,473.24	
For Vinlyester Resin, Add	1,654.82	
For Epoxy Resin, Add	195.03	
For Up To >10, Add	1,509.65	
For >10 To 25, Add	864.03	
For >25 To 50, Add	636.62	
For >50 To 100, Add	318.31	
For >500 To 1,000, Deduct	-126.39	
For >1,000 To 2,000, Deduct	-190.95	
For >2,000 To 5,000, Deduct	-310.99	
For >5,000, Deduct	-516.49	
33 01 30 72-0326 LF 42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,756.75	
For Vinlyester Resin, Add	1,844.50	
For Epoxy Resin, Add	217.39	
For Up To >10, Add	1,682.75	
For >10 To 25, Add	963.13	
For >25 To 50, Add	709.63	
For >50 To 100, Add	354.81	
For >500 To 1,000, Deduct	-140.88	
For >1,000 To 2,000, Deduct	-212.84	
For >2,000 To 5,000, Deduct	-346.64	
For >5,000, Deduct	-575.70	
33 01 30 72-0327 LF 42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,046.98	
For Vinlyester Resin, Add	2,034.17	
For Epoxy Resin, Add	239.74	
For Up To >10, Add	1,876.04	
For >10 To 25, Add	1,079.04	
For >25 To 50, Add	792.72	
For >50 To 100, Add	396.36	
For >500 To 1,000, Deduct	-155.87	
For >1,000 To 2,000, Deduct	-235.57	
For >2,000 To 5,000, Deduct	-383.97	
For >5,000, Deduct	-637.60	
33 01 30 72-0328 LF 42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,331.11	
For Vinlyester Resin, Add	2,223.86	
For Epoxy Resin, Add	262.10	
For Up To >10, Add	2,050.98	
For >10 To 25, Add	1,179.66	
For >25 To 50, Add	866.64	
For >50 To 100, Add	433.32	
For >500 To 1,000, Deduct	-170.41	
For >1,000 To 2,000, Deduct	-257.54	
For >2,000 To 5,000, Deduct	-419.78	
For >5,000, Deduct	-697.06	
33 01 30 72-0329 LF 42mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,615.22	
For Vinlyester Resin, Add	2,413.53	
For Epoxy Resin, Add	284.45	
For Up To >10, Add	2,225.91	
For >10 To 25, Add	1,280.28	
For >25 To 50, Add	940.56	
For >50 To 100, Add	470.28	
For >500 To 1,000, Deduct	-184.94	
For >1,000 To 2,000, Deduct	-279.51	
For >2,000 To 5,000, Deduct	-455.58	
For >5,000, Deduct	-756.51	
33 01 30 72-0330 LF 42mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,899.33	
For Vinlyester Resin, Add	2,603.21	
For Epoxy Resin, Add	306.81	
For Up To >10, Add	2,400.82	
For >10 To 25, Add	1,380.87	
For >25 To 50, Add	1,014.46	
For >50 To 100, Add	507.23	
For >500 To 1,000, Deduct	-199.48	
For >1,000 To 2,000, Deduct	-301.47	
For >2,000 To 5,000, Deduct	-491.38	
For >5,000, Deduct	-815.96	
33 01 30 72-0331 LF 42mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,183.44	
For Vinlyester Resin, Add	2,792.88	
For Epoxy Resin, Add	329.16	
For Up To >10, Add	2,575.75	
For >10 To 25, Add	1,481.48	
For >25 To 50, Add	1,088.38	
For >50 To 100, Add	544.19	
For >500 To 1,000, Deduct	-214.01	
For >1,000 To 2,000, Deduct	-323.44	
For >2,000 To 5,000, Deduct	-527.18	
For >5,000, Deduct	-875.41	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0332	LF	42mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,467.55	
		For Vinlyester Resin, Add	2,982.56	
		For Epoxy Resin, Add	351.52	
		For Up To >10, Add	2,750.65	
		For >10 To 25, Add	1,582.08	
		For >25 To 50, Add	1,162.29	
		For >50 To 100, Add	581.14	
		For >500 To 1,000, Deduct	-228.55	
		For >1,000 To 2,000, Deduct	-345.40	
		For >2,000 To 5,000, Deduct	-562.98	
		For >5,000, Deduct	-934.86	
33 01 30 72-0333	LF	42mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,751.66	
		For Vinlyester Resin, Add	3,172.24	
		For Epoxy Resin, Add	373.87	
		For Up To >10, Add	2,925.56	
		For >10 To 25, Add	1,682.67	
		For >25 To 50, Add	1,236.19	
		For >50 To 100, Add	618.09	
		For >500 To 1,000, Deduct	-243.08	
		For >1,000 To 2,000, Deduct	-367.37	
		For >2,000 To 5,000, Deduct	-598.78	
		For >5,000, Deduct	-994.31	
33 01 30 72-0334	LF	42mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,035.78	
		For Vinlyester Resin, Add	3,361.92	
		For Epoxy Resin, Add	396.23	
		For Up To >10, Add	3,100.49	
		For >10 To 25, Add	1,783.29	
		For >25 To 50, Add	1,310.11	
		For >50 To 100, Add	655.05	
		For >500 To 1,000, Deduct	-257.62	
		For >1,000 To 2,000, Deduct	-389.34	
		For >2,000 To 5,000, Deduct	-634.59	
		For >5,000, Deduct	-1,053.76	
33 01 30 72-0335	LF	42mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,319.88	
		For Vinlyester Resin, Add	3,551.59	
		For Epoxy Resin, Add	418.58	
		For Up To >10, Add	3,275.39	
		For >10 To 25, Add	1,883.88	
		For >25 To 50, Add	1,384.01	
		For >50 To 100, Add	692.01	
		For >500 To 1,000, Deduct	-272.15	
		For >1,000 To 2,000, Deduct	-411.30	
		For >2,000 To 5,000, Deduct	-670.39	
		For >5,000, Deduct	-1,113.21	
33 01 30 72-0336	LF	42mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,604.00	
		For Vinlyester Resin, Add	3,741.27	
		For Epoxy Resin, Add	440.94	
		For Up To >10, Add	3,450.33	
		For >10 To 25, Add	1,984.49	
		For >25 To 50, Add	1,457.93	
		For >50 To 100, Add	728.96	
		For >500 To 1,000, Deduct	-286.68	
		For >1,000 To 2,000, Deduct	-433.27	
		For >2,000 To 5,000, Deduct	-706.19	
		For >5,000, Deduct	-1,172.67	

**33 01 30 74 Cured-in-Place Lateral Lining (33 01 30)****33 01 30 74-0001 Laterals; Cutting, Grouting And Reinstatement (33 01 30 74)****33 01 30 74-0002 Lateral Reinstatement/Reconnection (33 01 30 74-0001)**

33 01 30 74-0003	EA	Cut Liner For Laterals, Up To 4" (Robotic)	504.77
33 01 30 74-0004	EA	Cut Liner For Laterals, 6" (Robotic)	545.69
33 01 30 74-0005	EA	Cut Liner For Laterals, 8" (Robotic)	579.80
33 01 30 74-0006	EA	Cut Liner For Laterals, 10" (Robotic)	613.91
33 01 30 74-0007	EA	Cut Liner For Laterals, 12" (Robotic)	648.02

**33 01 30 74-0008 Grout Lateral Service (33 01 30 74-0001)****33 01 30 74-0009 Grout Lateral Service - Bladder (33 01 30 74-0008)**

33 01 30 74-0010	EA	Grout Up To 4" Lateral Service - Bladder	537.40
33 01 30 74-0011	EA	Grout 6" Lateral Service - Bladder	617.61
33 01 30 74-0012	EA	Grout 8" Lateral Service - Bladder	697.81

**33 01 30 74-0013 Grout Lateral Service - Robotic Trowel Application (33 01 30 74-0008)**

33 01 30 74-0014	EA	Grout 3" To 6" Lateral Service - Robotic Trowel Application	586.20
33 01 30 74-0015	EA	Grout 8" To 12" Lateral Service - Robotic Trowel Application	634.98

**33 01 30 74-0016 Lateral T-Liner (33 01 30 74-0001)**

Note: As manufactured by LMK.

33 01 30 74-0017	EA	Up To 4" Lateral T-Liner	726.88
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 74-0018 EA 6" Lateral T-Liner .....	816.79	
33 01 30 74-0019 EA 8" Lateral T-Liner .....	951.09	
<b>33 01 30 74-0020 Lining Lateral Pipe (33 01 30 74-0001)</b>		
<b>33 01 30 74-0021 Lining Lateral Pipe (33 01 30 74-0020)</b>		
33 01 30 74-0022 LF 6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP) .....	37.17	
<i>For 7.5mm, Add</i>	4.23	
<i>For 9 mm, Add</i>	8.37	
33 01 30 74-0023 LF 6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP) .....	44.55	
<i>For 7.5mm, Add</i>	5.76	
<i>For 9 mm, Add</i>	11.39	
33 01 30 74-0024 LF 6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP) .....	58.38	
<i>For 7.5mm, Add</i>	8.82	
<i>For 9 mm, Add</i>	17.45	
<b>33 01 30 74-0025 Lining Manhole Drop (33 01 30 74-0020)</b>		
33 01 30 74-0026 EA Manhole Drop Section Lining.....	799.76	
<b>33 01 30 79 Fold-and-Form Pipe Lining (33 01 30)</b>		
<b>33 01 30 79-0001 Form and Fold Relining Underground Pipelines (33 01 30 79)</b>		
Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
<b>33 01 30 79-0002 Fold-And-Form Relining Underground Pipelines Set-Up And Reinsertion (33 01 30 79-0001)</b>		
33 01 30 79-0003 EA Initial Set Up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines.....	4,913.84	
33 01 30 79-0004 EA Move And Reset Up At Different Access/Location For Fold-And-Form Relining Underground Pipelines.....	1,965.53	
<b>33 01 30 79-0005 Form And Fold Polyethylene (PE) Pipeliner (33 01 30 79-0001)</b>		
33 01 30 79-0006 LF 4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	32.22	
<i>For DR 26 Pipe Liner, Add</i>	5.42	
<i>For Up To 75, Add</i>	20.13	
<i>For &gt;75 To 150, Add</i>	10.07	
<i>For &gt;500 To 1,000, Deduct</i>	-0.79	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.58	
<i>For &gt;2,000, Deduct</i>	-3.16	
33 01 30 79-0007 LF 6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	40.81	
<i>For DR 26 Pipe Liner, Add</i>	7.37	
<i>For DR 35 Pipe Liner, Deduct</i>	-3.68	
<i>For Up To 75, Add</i>	22.90	
<i>For &gt;75 To 150, Add</i>	11.45	
<i>For &gt;500 To 1,000, Deduct</i>	-0.85	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.70	
<i>For &gt;2,000, Deduct</i>	-3.40	
33 01 30 79-0008 LF 8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	42.31	
<i>For DR 26 Pipe Liner, Add</i>	7.51	
<i>For DR 35 Pipe Liner, Deduct</i>	-3.75	
<i>For Up To 75, Add</i>	24.44	
<i>For &gt;75 To 150, Add</i>	12.22	
<i>For &gt;500 To 1,000, Deduct</i>	-0.92	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.84	
<i>For &gt;2,000, Deduct</i>	-3.69	
33 01 30 79-0009 LF 10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	58.42	
<i>For DR 26 Pipe Liner, Add</i>	11.26	
<i>For DR 35 Pipe Liner, Deduct</i>	-5.63	
<i>For DR 41 Pipe Liner, Deduct</i>	-11.26	
<i>For Up To 75, Add</i>	29.10	
<i>For &gt;75 To 150, Add</i>	14.55	
<i>For &gt;500 To 1,000, Deduct</i>	-1.01	
<i>For &gt;1,000 To 2,000, Deduct</i>	-2.01	
<i>For &gt;2,000, Deduct</i>	-4.02	
33 01 30 79-0010 LF 12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	80.65	
<i>For DR 26 Pipe Liner, Add</i>	16.48	
<i>For DR 35 Pipe Liner, Deduct</i>	-8.24	
<i>For DR 41 Pipe Liner, Deduct</i>	-16.48	
<i>For Up To 75, Add</i>	35.31	
<i>For &gt;75 To 150, Add</i>	17.65	
<i>For &gt;500 To 1,000, Deduct</i>	-1.11	
<i>For &gt;1,000 To 2,000, Deduct</i>	-2.21	
<i>For &gt;2,000, Deduct</i>	-4.43	
33 01 30 79-0011 LF 15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	109.52	
<i>For DR 35 Pipe Liner, Deduct</i>	-11.60	
<i>For DR 41 Pipe Liner, Deduct</i>	-23.19	
<i>For Up To 75, Add</i>	43.68	
<i>For &gt;75 To 150, Add</i>	21.84	
<i>For &gt;500 To 1,000, Deduct</i>	-1.26	
<i>For &gt;1,000 To 2,000, Deduct</i>	-2.51	
<i>For &gt;2,000, Deduct</i>	-5.03	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0012 LF 18" Diameter Form and Fold Polyethylene Pipeliner, DR 35 .....	153.42	
For DR 41 Pipe Liner, Deduct	-13.45	
For DR 50 Pipe Liner, Deduct	-26.90	
For Up To 75, Add	55.25	
For >75 To 150, Add	27.63	
For >500 To 1,000, Deduct	-1.42	
For >1,000 To 2,000, Deduct	-2.84	
For >2,000, Deduct	-5.67	
33 01 30 79-0013 LF 21" Diameter Form and Fold Polyethylene Pipeliner, DR 47 .....	173.27	
For DR 50 Pipe Liner, Deduct	-22.92	
For DR 55 Pipe Liner, Deduct	-38.20	
For Up To 75, Add	61.27	
For >75 To 150, Add	30.63	
For >500 To 1,000, Deduct	-1.54	
For >1,000 To 2,000, Deduct	-3.07	
For >2,000, Deduct	-6.14	
33 01 30 79-0014 LF 24" Diameter Form and Fold Polyethylene Pipeliner, DR 55 .....	210.62	
For DR 60 Pipe Liner, Deduct	-28.24	
For Up To 75, Add	71.17	
For >75 To 150, Add	35.58	
For >500 To 1,000, Deduct	-1.68	
For >1,000 To 2,000, Deduct	-3.35	
For >2,000, Deduct	-6.70	
<b>33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner (33 01 30 79-0001)</b>		
33 01 30 79-0016 LF 4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	34.27	
For Up To 75, Add	20.54	
For >75 To 150, Add	10.27	
For >500 To 1,000, Deduct	-0.79	
For >1,000 To 2,000, Deduct	-1.58	
For >2,000, Deduct	-3.16	
For DR 26 Pipe Liner, Add	5.94	
33 01 30 79-0017 LF 6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	40.81	
For Up To 75, Add	22.90	
For >75 To 150, Add	11.45	
For >500 To 1,000, Deduct	-0.85	
For >1,000 To 2,000, Deduct	-1.70	
For >2,000, Deduct	-3.40	
For DR 26 Pipe Liner, Add	7.37	
For DR 35 Pipe Liner, Deduct	-3.68	
33 01 30 79-0018 LF 8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	45.03	
For Up To 75, Add	24.98	
For >75 To 150, Add	12.49	
For >500 To 1,000, Deduct	-0.92	
For >1,000 To 2,000, Deduct	-1.84	
For >2,000, Deduct	-3.69	
For DR 26 Pipe Liner, Add	8.19	
For DR 35 Pipe Liner, Deduct	-4.09	
33 01 30 79-0019 LF 10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	62.52	
For Up To 75, Add	29.92	
For >75 To 150, Add	14.96	
For >500 To 1,000, Deduct	-1.01	
For >1,000 To 2,000, Deduct	-2.01	
For >2,000, Deduct	-4.02	
For DR 26 Pipe Liner, Add	12.28	
For DR 35 Pipe Liner, Deduct	-6.14	
For DR 41 Pipe Liner, Deduct	-12.28	
33 01 30 79-0020 LF 12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	86.79	
For Up To 75, Add	36.53	
For >75 To 150, Add	18.27	
For >500 To 1,000, Deduct	-1.11	
For >1,000 To 2,000, Deduct	-2.21	
For >2,000, Deduct	-4.43	
For DR 26 Pipe Liner, Add	18.01	
For DR 35 Pipe Liner, Deduct	-9.01	
For DR 41 Pipe Liner, Deduct	-18.01	
33 01 30 79-0021 LF 15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	118.26	
For Up To 75, Add	45.43	
For >75 To 150, Add	22.71	
For >500 To 1,000, Deduct	-1.26	
For >1,000 To 2,000, Deduct	-2.51	
For >2,000, Deduct	-5.03	
For DR 35 Pipe Liner, Deduct	-12.69	
For DR 41 Pipe Liner, Deduct	-25.38	
33 01 30 79-0022 LF 18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35.....	166.25	
For Up To 75, Add	57.82	
For >75 To 150, Add	28.91	
For >500 To 1,000, Deduct	-1.42	
For >1,000 To 2,000, Deduct	-2.84	
For >2,000, Deduct	-5.67	
For DR 41 Pipe Liner, Deduct	-14.74	
For DR 50 Pipe Liner, Deduct	-29.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0023 LF 21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47.....	187.46	
<i>For Up To 75, Add</i>	64.10	
<i>For &gt;75 To 150, Add</i>	32.05	
<i>For &gt;500 To 1,000, Deduct</i>	-1.54	
<i>For &gt;1,000 To 2,000, Deduct</i>	-3.07	
<i>For &gt;2,000, Deduct</i>	-6.14	
<i>For DR 50 Pipe Liner, Deduct</i>	-25.05	
<i>For DR 55 Pipe Liner, Deduct</i>	-41.75	
33 01 30 79-0024 LF 24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55.....	228.63	
<i>For Up To 75, Add</i>	74.77	
<i>For &gt;75 To 150, Add</i>	37.38	
<i>For &gt;500 To 1,000, Deduct</i>	-1.68	
<i>For &gt;1,000 To 2,000, Deduct</i>	-3.35	
<i>For &gt;2,000, Deduct</i>	-6.70	
<i>For DR 60 Pipe Liner, Deduct</i>	-30.94	
<b>33 01 30 81 Manhole Rehabilitation (33 01 30)</b>		
33 01 30 81-0001 Restoration And Rehabilitation Of Manholes (33 01 30 81)		
Note: Work is in confined spaces.		
33 01 30 81-0002 Inspection And Ventilation System Set-up (33 01 30 81-0001)		
33 01 30 81-0003 EA Inspect Manhole .....	172.48	
33 01 30 81-0004 EA 36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System .....	14,107.88	
Note: For internal inspection and repair of water mains.		
33 01 30 81-0005 EA >60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System .....	20,018.63	
Note: For internal inspection and repair of water mains		
33 01 30 81-0006 Manhole Seals (33 01 30 81-0001)		
33 01 30 81-0007 Internal Manhole Chimney Seals (33 01 30 81-0006)		
Note: Cretex.		
33 01 30 81-0008 EA 20" Internal Manhole Chimney Seal.....	520.45	
33 01 30 81-0009 EA 22" Internal Manhole Chimney Seal.....	548.57	
33 01 30 81-0010 EA 24" Internal Manhole Chimney Seal.....	562.65	
33 01 30 81-0011 EA 26" Internal Manhole Chimney Seal.....	647.03	
33 01 30 81-0012 EA 28" Internal Manhole Chimney Seal.....	731.43	
33 01 30 81-0013 EA 30" Internal Manhole Chimney Seal.....	815.82	
33 01 30 81-0014 EA 36" Internal Manhole Chimney Seal.....	984.63	
33 01 30 81-0015 External Manhole Encapsulation (33 01 30 81-0006)		
Note: Wrapidseal.		
33 01 30 81-0016 EA 24" External Manhole Encapsulation .....	759.57	
33 01 30 81-0017 EA 30" External Manhole Encapsulation .....	801.76	
33 01 30 81-0018 EA 36" External Manhole Encapsulation .....	858.03	
33 01 30 81-0019 EA 42" External Manhole Encapsulation .....	928.35	
33 01 30 81-0020 EA 48" External Manhole Encapsulation .....	1,026.82	
33 01 30 81-0021 EA 54" External Manhole Encapsulation .....	1,139.35	
33 01 30 81-0022 EA 60" External Manhole Encapsulation .....	1,280.01	
33 01 30 81-0023 Manhole Crack Repair (33 01 30 81-0001)		
Note: Includes removing loose materials and cleaning.		
33 01 30 81-0024 LF Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair .....	50.89	
33 01 30 81-0025 LF >1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair .....	68.61	
33 01 30 81-0026 LF Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair .....	48.06	
33 01 30 81-0027 LF >1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair .....	65.27	
33 01 30 81-0028 Manhole Patching (33 01 30 81-0001)		
Note: Includes removing loose materials and cleaning.		
33 01 30 81-0029 SF Up To 1/4" Thick, Cementitious Grout, Manhole Patching.....	16.62	
33 01 30 81-0030 SF Up To 1/4" Thick, Epoxy Grout, Manhole Patching.....	39.16	
33 01 30 81-0031 Manhole Joint Restoration (33 01 30 81-0001)		
Note: Includes drilling holes at joints, fill joints with grout.		
33 01 30 81-0032 EA 3' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,263.16	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
<i>For Grouting Each Additional Manhole Joint Section, Add</i>	217.73	
33 01 30 81-0033 EA 3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,642.00	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
<i>For Grouting Each Additional Manhole Joint Section, Add</i>	241.52	
33 01 30 81-0034 EA 4' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	3,017.54	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
<i>For Grouting Each Additional Manhole Joint Section, Add</i>	265.31	
33 01 30 81-0035 EA 5' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	3,595.17	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
<i>For Grouting Each Additional Manhole Joint Section, Add</i>	277.21	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0036 EA 6' Diameter Joint Restoration, Grout Fill Per Each Manhole ..... Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. <i>For Grouting Each Additional Manhole Joint Section, Add</i>	4,171.14 289.10	
<b>33 01 30 81-0037 Step Installation In Existing Manholes</b> <small>(33 01 30 81-0001)</small> Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0038 EA Drill And Grout 8" x 9" Cast Iron Manhole Steps.....	156.10	20.33
33 01 30 81-0039 EA Drill And Grout Galvanized Steel Manhole Step.....	113.63	20.33
33 01 30 81-0040 EA Bolt On Galvanized Steel Manhole Step.....	125.00	20.33
33 01 30 81-0041 EA Drill And Grout Aluminum Manhole Step.....	140.86	20.33
33 01 30 81-0042 EA Drill And Insert Polypropylene Manhole Step.....	64.93	16.26
<b>33 01 30 81-0043 Invert Restoration</b> <small>(33 01 30 81-0001)</small> Note: Includes removal of existing defective material and installation of new material.		
<b>33 01 30 81-0044 Concrete Invert Restoration</b> <small>(33 01 30 81-0043)</small>		
33 01 30 81-0045 EA 2' Diameter, Concrete Invert Restoration.....	344.29	
33 01 30 81-0046 EA 3' Diameter, Concrete Invert Restoration.....	387.41	
33 01 30 81-0047 EA 4' Diameter, Concrete Invert Restoration.....	430.53	
33 01 30 81-0048 EA 5' Diameter, Concrete Invert Restoration.....	473.65	
33 01 30 81-0049 EA 6' Diameter, Concrete Invert Restoration.....	603.01	
33 01 30 81-0050 SF Square Or Rectangular, Concrete Invert Restoration.....	34.23	
<b>33 01 30 81-0051 Brick Invert Restoration</b> <small>(33 01 30 81-0043)</small>		
33 01 30 81-0052 EA 2' Diameter, Brick Invert Restoration.....	563.64	
33 01 30 81-0053 EA 3' Diameter, Brick Invert Restoration.....	606.76	
33 01 30 81-0054 EA 4' Diameter, Brick Invert Restoration.....	649.88	
33 01 30 81-0055 EA 5' Diameter, Brick Invert Restoration.....	693.00	
33 01 30 81-0056 EA 6' Diameter, Brick Invert Restoration.....	736.11	
33 01 30 81-0057 SF Square Or Rectangular, Brick Invert Restoration.....	47.98	
<b>33 01 30 81-0058 Repair In-Kind Of Drainage Structures</b> <small>(33 01 30 81)</small> Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.		
33 01 30 81-0059 VLF 2' Diameter, Repair In-Kind Drainage Structure.....	797.30	
33 01 30 81-0060 VLF 3' Diameter, Repair In-Kind Drainage Structure.....	1,195.96	
33 01 30 81-0061 VLF 4' Diameter, Repair In-Kind Drainage Structure.....	1,594.72	
33 01 30 81-0062 VLF 5' Diameter, Repair In-Kind Drainage Structure.....	1,993.26	
33 01 30 81-0063 VLF 6' Diameter, Repair In-Kind Drainage Structure.....	2,391.92	
33 01 30 81-0064 VLF 2' x 2', Repair In-Kind Drainage Structure.....	1,015.68	
33 01 30 81-0065 VLF 2' x 3', Repair In-Kind Drainage Structure.....	1,269.60	
33 01 30 81-0066 VLF 2' x 4', Repair In-Kind Drainage Structure.....	1,523.52	
33 01 30 81-0067 VLF 3' x 4', Repair In-Kind Drainage Structure.....	1,777.44	
33 01 30 81-0068 VLF 4' x 4', Repair In-Kind Drainage Structure.....	2,031.35	
33 01 30 81-0069 VLF 4' x 5', Repair In-Kind Drainage Structure.....	2,285.27	
33 01 30 81-0070 VLF 4' x 6', Repair In-Kind Drainage Structure.....	2,539.19	
33 01 30 81-0071 VLF 4' x 8', Repair In-Kind Drainage Structure.....	3,047.03	
33 01 30 81-0072 VLF >32 GSF, Repair In-Kind Drainage Structure.....	3,554.87	
<b>33 01 30 82 Epoxy Lining for Concrete Manholes</b> <small>(33 01 30)</small>		
<b>33 01 30 82-0001 Epoxy Manhole Restoration, Interior</b> <small>(33 01 30 82)</small>		
33 01 30 82-0002 VLF 60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior..... <i>For 80 Mil Material, Add</i> <i>For 100 Mil Material, Add</i> <i>For 125 Mil Material, Add</i> <i>For 150 Mil Material, Add</i> <i>For 200 Mil Material, Add</i> <i>For 2 To 5 Manholes, Deduct</i> <i>For 6 To 10 Manholes, Deduct</i> <i>For &gt;10 Manholes, Deduct</i>	326.72 39.77 79.54 124.23 168.92 244.93 -23.03 -37.89 -75.77	
33 01 30 82-0003 VLF 60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior..... <i>For 80 Mil Material, Add</i> <i>For 100 Mil Material, Add</i> <i>For 125 Mil Material, Add</i> <i>For 150 Mil Material, Add</i> <i>For 200 Mil Material, Add</i> <i>For 2 To 5 Manholes, Deduct</i> <i>For 6 To 10 Manholes, Deduct</i> <i>For &gt;10 Manholes, Deduct</i>	396.11 47.54 95.07 148.36 201.65 291.86 -27.98 -46.06 -92.13	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 82-0004 VLF 60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior .....	435.63	
<i>For 80 Mil Material, Add</i>	53.03	
<i>For 100 Mil Material, Add</i>	106.05	
<i>For 125 Mil Material, Add</i>	165.64	
<i>For 150 Mil Material, Add</i>	225.24	
<i>For 200 Mil Material, Add</i>	326.58	
<i>For 2 To 5 Manholes, Deduct</i>	-30.70	
<i>For 6 To 10 Manholes, Deduct</i>	-50.51	
<i>For &gt;10 Manholes, Deduct</i>	-101.03	
33 01 30 82-0005 VLF 60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior .....	544.59	
<i>For 80 Mil Material, Add</i>	66.30	
<i>For 100 Mil Material, Add</i>	132.61	
<i>For 125 Mil Material, Add</i>	207.12	
<i>For 150 Mil Material, Add</i>	281.64	
<i>For 200 Mil Material, Add</i>	408.37	
<i>For 2 To 5 Manholes, Deduct</i>	-38.38	
<i>For 6 To 10 Manholes, Deduct</i>	-63.15	
<i>For &gt;10 Manholes, Deduct</i>	-126.29	
33 01 30 82-0006 VLF 60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior .....	653.49	
<i>For 80 Mil Material, Add</i>	79.56	
<i>For 100 Mil Material, Add</i>	159.12	
<i>For 125 Mil Material, Add</i>	248.53	
<i>For 150 Mil Material, Add</i>	337.95	
<i>For 200 Mil Material, Add</i>	490.01	
<i>For 2 To 5 Manholes, Deduct</i>	-46.06	
<i>For 6 To 10 Manholes, Deduct</i>	-75.77	
<i>For &gt;10 Manholes, Deduct</i>	-151.55	
<b>33 01 30 83 Lining for Concrete Manholes <small>(33 01 30)</small></b>		
33 01 30 83-0001 Manhole Lining <small>(33 01 30 83)</small>		
Note: Includes power washing and cleaning of manhole interiors.		
33 01 30 83-0002 Cementitious Manhole Restoration, Interior <small>(33 01 30 83-0001)</small>		
33 01 30 83-0003 VLF 1/2" Cementitious Restoration On 3' Diameter Manhole Interior.....	139.03	
<i>For Each Additional 1/2" Thick Material, Add</i>	34.73	
<i>For 2 To 5 Manholes, Deduct</i>	-9.78	
<i>For 6 To 10 Manholes, Deduct</i>	-16.08	
<i>For &gt;10 Manholes, Deduct</i>	-32.15	
33 01 30 83-0004 VLF 1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior .....	161.20	
<i>For Each Additional 1/2" Thick Material, Add</i>	40.42	
<i>For 2 To 5 Manholes, Deduct</i>	-11.33	
<i>For 6 To 10 Manholes, Deduct</i>	-18.63	
<i>For &gt;10 Manholes, Deduct</i>	-37.26	
33 01 30 83-0005 VLF 1/2" Cementitious Restoration On 4' Diameter Manhole Interior.....	183.39	
<i>For Each Additional 1/2" Thick Material, Add</i>	46.11	
<i>For 2 To 5 Manholes, Deduct</i>	-12.89	
<i>For 6 To 10 Manholes, Deduct</i>	-21.19	
<i>For &gt;10 Manholes, Deduct</i>	-42.38	
33 01 30 83-0006 VLF 1/2" Cementitious Restoration On 5' Diameter Manhole Interior.....	216.07	
<i>For Each Additional 1/2" Thick Material, Add</i>	56.49	
<i>For 2 To 5 Manholes, Deduct</i>	-15.12	
<i>For 6 To 10 Manholes, Deduct</i>	-24.83	
<i>For &gt;10 Manholes, Deduct</i>	-49.66	
33 01 30 83-0007 VLF 1/2" Cementitious Restoration On 6' Diameter Manhole Interior.....	236.44	
<i>For Each Additional 1/2" Thick Material, Add</i>	65.30	
<i>For 2 To 5 Manholes, Deduct</i>	-16.43	
<i>For 6 To 10 Manholes, Deduct</i>	-26.95	
<i>For &gt;10 Manholes, Deduct</i>	-53.90	
33 01 30 83-0008 Polyurethane Manhole Restoration, Interior <small>(33 01 30 83-0001)</small>		
33 01 30 83-0009 VLF 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior .....	288.26	
<i>For 80 Mil Material, Add</i>	26.95	
<i>For 100 Mil Material, Add</i>	53.90	
<i>For 125 Mil Material, Add</i>	82.57	
<i>For 150 Mil Material, Add</i>	111.23	
<i>For 200 Mil Material, Add</i>	155.19	
<i>For 2 To 5 Manholes, Deduct</i>	-21.10	
<i>For 6 To 10 Manholes, Deduct</i>	-35.00	
<i>For &gt;10 Manholes, Deduct</i>	-70.00	
33 01 30 83-0010 VLF 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior.....	351.17	
<i>For 80 Mil Material, Add</i>	32.56	
<i>For 100 Mil Material, Add</i>	65.11	
<i>For 125 Mil Material, Add</i>	99.67	
<i>For 150 Mil Material, Add</i>	134.24	
<i>For 200 Mil Material, Add</i>	187.00	
<i>For 2 To 5 Manholes, Deduct</i>	-25.74	
<i>For 6 To 10 Manholes, Deduct</i>	-42.69	
<i>For &gt;10 Manholes, Deduct</i>	-85.39	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0011 VLF 60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior .....	384.35	
For 80 Mil Material, Add	35.93	
For 100 Mil Material, Add	71.87	
For 125 Mil Material, Add	110.09	
For 150 Mil Material, Add	148.32	
For 200 Mil Material, Add	206.93	
For 2 To 5 Manholes, Deduct	-28.14	
For 6 To 10 Manholes, Deduct	-46.67	
For >10 Manholes, Deduct	-93.34	
33 01 30 83-0012 VLF 60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior .....	480.43	
For 80 Mil Material, Add	44.92	
For 100 Mil Material, Add	89.83	
For 125 Mil Material, Add	137.61	
For 150 Mil Material, Add	185.40	
For 200 Mil Material, Add	258.66	
For 2 To 5 Manholes, Deduct	-35.17	
For 6 To 10 Manholes, Deduct	-58.33	
For >10 Manholes, Deduct	-116.67	
33 01 30 83-0013 VLF 60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior .....	576.50	
For 80 Mil Material, Add	53.90	
For 100 Mil Material, Add	107.79	
For 125 Mil Material, Add	165.13	
For 150 Mil Material, Add	222.46	
For 200 Mil Material, Add	310.37	
For 2 To 5 Manholes, Deduct	-42.21	
For 6 To 10 Manholes, Deduct	-70.00	
For >10 Manholes, Deduct	-140.00	
<b>33 01 30 83-0014 Multiplexx™ PVC Cured-In-Place (CIP) Lining Manhole Restoration, Interior (33 01 30 83-0001)</b>		
33 01 30 83-0015 VLF 3' Diameter, Multiplexx™ PVC Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	536.31	
For 2 To 5 Manholes, Deduct	-30.96	
For 6 To 10 Manholes, Deduct	-48.52	
For >10 Manholes, Deduct	-97.03	
33 01 30 83-0016 VLF 3-1/2' Diameter, Multiplexx™ PVC Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	656.82	
For 2 To 5 Manholes, Deduct	-37.91	
For 6 To 10 Manholes, Deduct	-59.40	
For >10 Manholes, Deduct	-118.79	
33 01 30 83-0017 VLF 4' Diameter, Multiplexx™ PVC Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	775.30	
For 2 To 5 Manholes, Deduct	-44.29	
For 6 To 10 Manholes, Deduct	-69.20	
For >10 Manholes, Deduct	-138.41	
33 01 30 83-0018 VLF 5' Diameter, Multiplexx™ PVC Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	972.35	
For 2 To 5 Manholes, Deduct	-55.53	
For 6 To 10 Manholes, Deduct	-86.75	
For >10 Manholes, Deduct	-173.49	
33 01 30 83-0019 VLF 6' Diameter, Multiplexx™ PVC Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	1,169.41	
For 2 To 5 Manholes, Deduct	-66.76	
For 6 To 10 Manholes, Deduct	-104.29	
For >10 Manholes, Deduct	-208.58	
<b>33 01 30 86 Manhole Rim Adjustment (33 01 30)</b>		
33 01 30 86-0001 Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers (33 01 30 86)		
33 01 30 86-0002 Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers (33 01 30 86-0001)		
33 01 30 86-0003 EA Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	335.35	
33 01 30 86-0004 EA >2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	376.85	
33 01 30 86-0005 EA >3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	414.65	
33 01 30 86-0006 EA >4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	457.43	
33 01 30 86-0007 EA >5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	492.33	
33 01 30 86-0008 Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser (33 01 30 86-0001)		
33 01 30 86-0009 EA Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	393.16	
33 01 30 86-0010 EA >2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	428.41	
33 01 30 86-0011 EA >3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	472.65	
33 01 30 86-0012 EA >4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	515.43	
33 01 30 86-0013 EA >5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	556.75	
33 01 30 86-0014 >6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers (33 01 30 86-0001)		
33 01 30 86-0015 EA >6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	549.49	
33 01 30 86-0016 EA 7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	597.43	
33 01 30 86-0017 EA 7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	646.17	
33 01 30 86-0018 EA 8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	685.16	
33 01 30 86-0019 EA 9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	744.33	
33 01 30 86-0020 EA 10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	798.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 86-0021 EA 11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	851.07	
33 01 30 86-0022 EA 12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	905.10	
<b>33 01 30 86-0023 &gt;12" Rise, Solid Manhole Risers (33 01 30 86)</b>		
<b>33 01 30 86-0024 Precast Concrete Manhole Riser (33 01 30 86-0023)</b>		
33 01 30 86-0025 VLF Up To 26" Diameter Precast Concrete Manhole Riser.....	104.62	
33 01 30 86-0026 VLF >26" To 36" Diameter Precast Concrete Manhole Riser.....	124.95	
33 01 30 86-0027 VLF >36" To 48" Diameter Precast Concrete Manhole Riser.....	173.57	
33 01 30 86-0028 VLF >48" To 60" Diameter Precast Concrete Manhole Riser.....	356.04	
33 01 30 86-0029 VLF >60" To 72" Diameter Precast Concrete Manhole Riser.....	521.16	
<b>33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems (33 01)</b>		
<b>33 01 34 13 Septic Tank Solids Removal (33 01 34)</b>		
<b>33 01 34 13-0001 Pump Out Septic Tanks (33 01 34 13)</b>		
33 01 34 13-0002 GAL Pump Out Septic Tank And Dispose .....	0.67	
<b>33 05 Common Work Results for Utilities (33)</b>		
<b>33 05 07 Trenchless Installation of Utility Piping (33 05)</b>		
<b>33 05 07 13 Utility Directional Drilling (33 05 07)</b>		
<b>33 05 07 13-0001 Horizontal Augering (33 05 07 13)</b>		
Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal.		
33 05 07 13-0002 LF Up To 2" Diameter Horizontal Hand Augering .....	23.58	
33 05 07 13-0003 LF 3" Diameter Horizontal Hand Augering.....	28.45	
33 05 07 13-0004 LF 4" Diameter Horizontal Hand Augering.....	39.03	
33 05 07 13-0005 LF 6" Diameter Horizontal Hand Augering.....	50.40	
33 05 07 13-0006 LF 8" Diameter Horizontal Augering.....	92.13	
33 05 07 13-0007 LF 10" Diameter Horizontal Augering.....	134.41	
33 05 07 13-0008 LF 12" Diameter Horizontal Augering.....	161.50	
33 05 07 13-0009 LF 16" Diameter Horizontal Augering.....	192.94	
33 05 07 13-0010 LF 20" Diameter Horizontal Augering.....	333.85	
33 05 07 13-0011 LF 24" Diameter Horizontal Augering.....	421.94	
33 05 07 13-0012 LF 30" Diameter Horizontal Augering.....	520.45	
33 05 07 13-0013 LF 36" Diameter Horizontal Augering.....	594.61	
33 05 07 13-0014 LF 42" Diameter Horizontal Augering.....	781.76	
33 05 07 13-0015 LF 48" Diameter Horizontal Augering.....	842.37	
33 05 07 13-0016 LF 54" Diameter Horizontal Augering.....	916.11	
33 05 07 13-0017 LF 60" Diameter Horizontal Augering.....	960.45	
33 05 07 13-0018 EA 8" To 20" Horizontal Augering Minimum Set-up Charge.....	3,902.17	
Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0019 EA >20" To 36" Horizontal Augering Minimum Set-up Charge.....	5,350.34	
Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0020 EA >36" Horizontal Augering Minimum Set-up Charge .....	7,980.67	
Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
<b>33 05 07 13-0021 Horizontal Directional Boring (33 05 07 13)</b>		
Note: Excludes receiving pits or dewatering or cost of casing pipe.		
33 05 07 13-0022 LF Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground .....	12.76	
<i>For Horizontal Boring Through Rock, Add</i>		
	8.93	
33 05 07 13-0023 LF 2" Diameter Directional Boring For Horizontal Pipe, Underground .....	19.13	
<i>For Horizontal Boring Through Rock, Add</i>		
	13.39	
33 05 07 13-0024 LF 2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground .....	26.57	
<i>For Horizontal Boring Through Rock, Add</i>		
	18.60	
33 05 07 13-0025 LF 3" Diameter Directional Boring For Horizontal Pipe, Underground .....	32.96	
<i>For Horizontal Boring Through Rock, Add</i>		
	23.07	
33 05 07 13-0026 LF 4" Diameter Directional Boring For Horizontal Pipe, Underground .....	39.33	
<i>For Horizontal Boring Through Rock, Add</i>		
	27.53	
33 05 07 13-0027 LF 5" Diameter Directional Boring For Horizontal Pipe, Underground .....	45.71	
<i>For Horizontal Boring Through Rock, Add</i>		
	32.00	
33 05 07 13-0028 LF 6" Diameter Directional Boring For Horizontal Pipe, Underground .....	53.15	
<i>For Horizontal Boring Through Rock, Add</i>		
	37.21	
33 05 07 13-0029 LF 8" Diameter Directional Boring For Horizontal Pipe, Underground .....	65.04	
<i>For Horizontal Boring Through Rock, Add</i>		
	45.53	
33 05 07 13-0030 LF 10" Diameter Directional Boring For Horizontal Pipe, Underground .....	70.45	
<i>For Horizontal Boring Through Rock, Add</i>		
	49.32	
33 05 07 13-0031 LF 12" Diameter Directional Boring For Horizontal Pipe, Underground .....	75.88	
<i>For Horizontal Boring Through Rock, Add</i>		
	53.12	
33 05 07 13-0032 LF 18" Diameter Directional Boring For Horizontal Pipe, Underground .....	157.17	
<i>For Horizontal Boring Through Rock, Add</i>		
	110.02	

**33 Utilities****33 05 Common Work Results for Utilities****33 05 07 Trenchless Installation of Utility Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 13-0033 LF 24" Diameter Directional Boring For Horizontal Pipe, Underground .....	249.27	
For Horizontal Boring Through Rock, Add .....	174.49	
33 05 07 13-0034 LF 30" Diameter Directional Boring For Horizontal Pipe, Underground .....	379.99	
For Horizontal Boring Through Rock, Add .....	265.99	
33 05 07 13-0035 LF 36" Diameter Directional Boring For Horizontal Pipe, Underground .....	607.99	
For Horizontal Boring Through Rock, Add .....	425.59	
33 05 07 13-0036 EA Up To 6" Horizontal Directional Boring Minimum Set-up Charge .....	3,401.65	
Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0037 EA >6" To 18" Horizontal Directional Boring Minimum Set-up Charge .....	3,902.17	
Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0038 EA >18" To 36" Horizontal Directional Boring Minimum Set-up Charge .....	5,350.34	
Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
<b>33 05 07 23 Utility Boring and Jacking (33 05 07)</b>		
<b>33 05 07 23-0001 Horizontal Jacking (33 05 07 23)</b>		
Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit.		
33 05 07 23-0002 LF Up To 2" Diameter Horizontal Jacking .....	61.00	
For Horizontal Jacking Through Rock, Add .....	30.00	
33 05 07 23-0003 LF 3" Diameter Horizontal Jacking .....	73.16	
For Horizontal Jacking Through Rock, Add .....	36.20	
33 05 07 23-0004 LF 4" Diameter Horizontal Jacking .....	98.97	
For Horizontal Jacking Through Rock, Add .....	49.66	
33 05 07 23-0005 LF 6" Diameter Horizontal Jacking .....	127.91	
For Horizontal Jacking Through Rock, Add .....	64.14	
33 05 07 23-0006 LF 8" Diameter Horizontal Jacking .....	173.43	
For Horizontal Jacking Through Rock, Add .....	87.93	
33 05 07 23-0007 LF 10" Diameter Horizontal Jacking .....	254.16	
For Horizontal Jacking Through Rock, Add .....	128.28	
33 05 07 23-0008 LF 12" Diameter Horizontal Jacking .....	305.95	
For Horizontal Jacking Through Rock, Add .....	154.15	
33 05 07 23-0009 LF 16" Diameter Horizontal Jacking .....	365.30	
For Horizontal Jacking Through Rock, Add .....	184.15	
33 05 07 23-0010 LF 20" Diameter Horizontal Jacking .....	573.73	
For Horizontal Jacking Through Rock, Add .....	319.66	
33 05 07 23-0011 LF 24" Diameter Horizontal Jacking .....	924.73	
For Horizontal Jacking Through Rock, Add .....	358.76	
33 05 07 23-0012 LF 30" Diameter Horizontal Jacking .....	1,078.02	
For Horizontal Jacking Through Rock, Add .....	442.98	
33 05 07 23-0013 LF 36" Diameter Horizontal Jacking .....	1,218.25	
For Horizontal Jacking Through Rock, Add .....	506.51	
33 05 07 23-0014 LF 42" Diameter Horizontal Jacking .....	1,309.02	
For Horizontal Jacking Through Rock, Add .....	546.97	
33 05 07 23-0015 LF 48" Diameter Horizontal Jacking .....	1,419.02	
For Horizontal Jacking Through Rock, Add .....	589.34	
33 05 07 23-0016 LF 54" Diameter Horizontal Jacking .....	1,517.97	
For Horizontal Jacking Through Rock, Add .....	641.40	
33 05 07 23-0017 EA Up To 6" Horizontal Jacking Minimum Set-up Charge .....	3,401.65	
Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 23-0018 EA >6" To 20" Horizontal Jacking Minimum Set-up Charge .....	3,902.17	
Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 23-0019 EA >20" To 36" Horizontal Jacking Minimum Set-up Charge .....	5,350.34	
Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 23-0020 EA >36" Horizontal Jacking Minimum Set-up Charge .....	7,980.67	
Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

**33 05 07 24 Casing Piping for Utility Jacking (33 05 07)****33 05 07 24-0001****Casing Pipe (33 05 07 24)**

Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

**33 05 07 24-0002****Steel Pipe (33 05 07 24-0001)**

33 05 07 24-0003 LF 1-1/2" Steel Pipe Pull In Place By Boring Machine .....	17.29	
Note: Includes pipe welding.		
33 05 07 24-0004 LF 2" Steel Pipe Pull In Place By Boring Machine .....	18.31	
Note: Includes pipe welding.		
33 05 07 24-0005 LF 2-1/2" Steel Pipe Pull In Place By Boring Machine .....	19.78	
Note: Includes pipe welding.		
33 05 07 24-0006 LF 3" Steel Pipe Pull In Place By Boring Machine .....	21.27	
Note: Includes pipe welding.		
33 05 07 24-0007 LF 4" Steel Pipe Pull In Place By Boring Machine .....	26.93	
Note: Includes pipe welding.		
33 05 07 24-0008 LF 5" Steel Pipe Pull In Place By Boring Machine .....	30.44	
Note: Includes pipe welding.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 24-0009 LF 6" Steel Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	33.96	
<b>33 05 07 24-0010 Polyethylene Pipe</b> <small>(33 05 07 24-0001)</small>		
33 05 07 24-0011 LF 3/4" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	5.13	
33 05 07 24-0012 LF 1" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	5.65	
33 05 07 24-0013 LF 1-1/4" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	6.13	
33 05 07 24-0014 LF 1-1/2" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	6.55	
33 05 07 24-0015 LF 2" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	7.01	
33 05 07 24-0016 LF 2-1/2" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	7.48	
33 05 07 24-0017 LF 3" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	7.97	
33 05 07 24-0018 LF 4" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	9.59	
33 05 07 24-0019 LF 5" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	10.59	
33 05 07 24-0020 LF 6" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	11.58	
33 05 07 24-0021 LF 8" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	14.98	
33 05 07 24-0022 LF 10" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	20.22	
<b>33 05 09 Piping Specials for Utilities</b> <small>(33 05)</small>		
<b>33 05 09 23 Adapters for Utility Piping</b> <small>(33 05 09)</small> See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.		
<b>33 05 09 33 Thrust Restraint for Utility Piping</b> <small>(33 05 09)</small> See CSI section 33 14 13 13-0525 for mechanical restraints, 33 14 13 13-0560 for flanged restraints, 33 14 13 13-1132 for slip-on restraints, 33 14 13 13-1148 for slip-on restraint harnesses.		
<b>33 05 16 Cast-Iron Utility Pipe</b> <small>(33 05)</small> See CSI section 22 13 16 00-0019 for cast iron utility piping.		
<b>33 05 17 Copper Utility Pipe and Tubing</b> <small>(33 05)</small> See CSI section 33 14 13 39-0000 for copper utility piping.		
<b>33 05 19 Ductile-Iron Utility Pipe</b> <small>(33 05)</small> See CSI section 33 14 13 13-0000 for ductile iron utility piping.		
<b>33 05 24 Steel Utility Pipe</b> <small>(33 05)</small>		
<b>33 05 24 23 Steel Pipe for Water Service</b> <small>(33 05 24)</small> See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.		
<b>33 05 27 Corrugated Metal Utility Pipe</b> <small>(33 05)</small>		
<b>33 05 27 13 Corrugated Metal Culvert Pipe</b> <small>(33 05 27)</small> See CSI section 33 42 11 00-0448 for corrugated metal culvert pipe.		
<b>33 05 27 23 Corrugated Metal Slotted Pipe</b> <small>(33 05 27)</small> See CSI section 33 41 16 13-0085 for corrugated metal slotted pipe.		
<b>33 05 27 33 Corrugated Metal Culvert Arch Pipe</b> <small>(33 05 27)</small> See CSI section 33 42 11 00-0792 for corrugated metal culvert arch pipe.		
<b>33 05 31 Thermoplastic Utility Pipe</b> <small>(33 05)</small>		
<b>33 05 31 11 Polyvinyl Chloride Gravity Sewer Pipe</b> <small>(33 05 31)</small> See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.		
<b>33 05 31 13 Polyvinyl Chloride Pressure Pipe</b> <small>(33 05 31)</small> See CSI section 33 14 13 23-0001 for polyvinyl chloride pressure pipe.		
<b>33 05 31 16 Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905)</b> <small>(33 05 31)</small> See CSI section 33 14 13 23-0171 for AWWA C900 and 905 polyvinyl chloride pressure pipe.		
<b>33 05 33 Polyethylene Utility Pipe</b> <small>(33 05)</small>		
<b>33 05 33 13 Corrugated-Wall, Smooth Interior HDPE Gravity Pipe</b> <small>(33 05 33)</small> See CSI section 33 42 11 00-0189 for corrugated-wall smooth interior HDPE gravity pipe.		
<b>33 05 33 23 Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906)</b> <small>(33 05 33)</small> See CSI section 33 14 13 23-0426 for AWWA C906 high density polyethylene pipe.		
<b>33 05 33 33 Corrugated, Perforated HDPE Drainage Pipe</b> <small>(33 05 33)</small> See CSI section 33 42 11 00-0211 for corrugated perforated HDPE drainage pipe.		

**33 Utilities****33 05 Common Work Results for Utilities****33 05 33 Polyethylene Utility Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>33 05 33 36</b>	<b>Corrugated, Non-Perforated HDPE Drainage Pipe</b> <small>(33 05 33)</small>		
	See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.		
<b>33 05 33 53</b>	<b>HDPE Gas Utility Pipe</b> <small>(33 05 33)</small>		
	See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.		
<b>33 05 33 56</b>	<b>Medium-Density Polyethylene Gas Utility Pipe</b> <small>(33 05 33)</small>		
	See CSI section 33 52 16 23-0000 for Medium-Density Polyethylene Gas Utility Pipe.		
<b>33 05 33 63</b>	<b>HDPE Communication Duct</b> <small>(33 05 33)</small>		
<b>33 05 33 63-0001</b>	<b>ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine</b> <small>(33 05 33 63)</small>		
	Note: Excludes boring.		
33 05 33 63-0002	LF 1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	3.53	
	For Up To 250, Add	0.12	
	For >250 To 500, Add	0.08	
33 05 33 63-0003	LF 1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	3.96	
	For Up To 250, Add	0.14	
	For >250 To 500, Add	0.10	
33 05 33 63-0004	LF 1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.29	
	For Up To 250, Add	0.16	
	For >250 To 500, Add	0.11	
33 05 33 63-0005	LF 2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.73	
	For Up To 250, Add	0.20	
	For >250 To 500, Add	0.13	
33 05 33 63-0006	LF 3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	6.43	
	For Up To 250, Add	0.41	
	For >250 To 500, Add	0.27	
33 05 33 63-0007	LF 4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	8.18	
	For Up To 250, Add	0.63	
	For >250 To 500, Add	0.42	
33 05 33 63-0008	LF 1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	3.62	
	For Up To 250, Add	0.13	
	For >250 To 500, Add	0.09	
33 05 33 63-0009	LF 1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.11	
	For Up To 250, Add	0.17	
	For >250 To 500, Add	0.11	
33 05 33 63-0010	LF 1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.42	
	For Up To 250, Add	0.18	
	For >250 To 500, Add	0.12	
33 05 33 63-0011	LF 2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	5.05	
	For Up To 250, Add	0.24	
	For >250 To 500, Add	0.16	
33 05 33 63-0012	LF 3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	7.13	
	For Up To 250, Add	0.51	
	For >250 To 500, Add	0.34	
33 05 33 63-0013	LF 4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	9.06	
	For Up To 250, Add	0.76	
	For >250 To 500, Add	0.51	
<b>33 05 39</b>	<b>Concrete Pipe</b> <small>(33 05)</small>		
<b>33 05 39 13</b>	<b>Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301)</b> <small>(33 05 39)</small>		
	See CSI section 33 42 11 00-0080 for prestressed concrete pressure pipe.		
<b>33 05 39 41</b>	<b>Reinforced Concrete Pipe for Sewers and Culverts</b> <small>(33 05 39)</small>		
	See CSI section 33 42 11 00-0001 for reinforced concrete pipe.		
<b>33 05 39 46</b>	<b>Reinforced Concrete Elliptical Pipe for Sewers and Culverts</b> <small>(33 05 39)</small>		
	See CSI section 33 42 11 00-0019 for reinforced concrete elliptical pipe.		
<b>33 05 41</b>	<b>Vitrified Clay Utility Pipe</b> <small>(33 05)</small>		
	See CSI section 33 42 11 00-0315 for vitrified clay piping.		
<b>33 05 61</b>	<b>Concrete Manholes</b> <small>(33 05)</small>		
<b>33 05 61 00-0001</b>	<b>Manholes</b> <small>(33 05 61)</small>		
<b>33 05 61 00-0002</b>	<b>Precast Concrete Manholes</b> <small>(33 05 61 00-0001)</small>		
	Note: Includes base, riser(s), reducer and openings. Excludes excavation, aggregate, backfill and frame/cover. See CSI section 33 05 84 00-0002 for top slabs.		
<b>33 05 61 00-0003</b>	<b>3' Diameter, Precast Concrete Manholes</b> <small>(33 05 61 00-0002)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0004 EA 4' Deep, 3' Diameter, Precast Concrete Manhole.....	1,603.38	268.96
<i>For Bitumastic Coating, Add</i>	76.62	
<i>For Epoxy Coating, Add</i>	146.41	
33 05 61 00-0005 EA 6' Deep, 3' Diameter, Precast Concrete Manhole.....	2,180.87	386.32
<i>For Bitumastic Coating, Add</i>	114.93	
<i>For Epoxy Coating, Add</i>	219.61	
33 05 61 00-0006 EA 8' Deep, 3' Diameter, Precast Concrete Manhole.....	2,924.61	586.82
<i>For Bitumastic Coating, Add</i>	153.23	
<i>For Epoxy Coating, Add</i>	292.82	
33 05 61 00-0007 VLF Riser For 3' Diameter, Precast Concrete Manhole .....	308.31	68.46
Note: For depths greater than 8'.		
<i>For Bitumastic Coating, Add</i>	19.15	
<i>For Epoxy Coating, Add</i>	36.60	
33 05 61 00-0008 VLF Drop Collar For 3' Diameter, Precast Concrete Manhole.....	333.45	68.46
33 05 61 00-0009 EA Drop Base For 3' Diameter, Precast Concrete Manhole.....	542.66	68.46
33 05 61 00-0010 EA Extended Base Slab For 3' Diameter, Precast Concrete Manhole .....	430.31	68.46
33 05 61 00-0011 EA Precast Channel For 3' Diameter, Precast Concrete Manhole .....	621.67	68.46
 <b>33 05 61 00-0012 4' Diameter, Precast Concrete Manholes</b> <small>(33 05 61 00-0002)</small>		
33 05 61 00-0013 EA 4' Deep, 4' Diameter, Precast Concrete Manhole.....	2,307.58	308.09
<i>For Bitumastic Coating, Add</i>	76.62	
<i>For Epoxy Coating, Add</i>	146.41	
33 05 61 00-0014 EA 6' Deep, 4' Diameter, Precast Concrete Manhole.....	3,077.82	420.56
<i>For Bitumastic Coating, Add</i>	114.93	
<i>For Epoxy Coating, Add</i>	219.61	
33 05 61 00-0015 EA 8' Deep, 4' Diameter, Precast Concrete Manhole.....	4,044.47	635.73
<i>For Bitumastic Coating, Add</i>	153.23	
<i>For Epoxy Coating, Add</i>	292.82	
33 05 61 00-0016 VLF Riser For 4' Diameter, Precast Concrete Manhole .....	430.35	80.69
Note: For depths greater than 8'.		
<i>For Bitumastic Coating, Add</i>	19.15	
<i>For Epoxy Coating, Add</i>	36.60	
33 05 61 00-0017 VLF Drop Collar For 4' Diameter, Precast Concrete Manhole.....	470.17	80.69
33 05 61 00-0018 EA Drop Base For 4' Diameter, Precast Concrete Manhole.....	801.49	80.69
33 05 61 00-0019 EA Extended Base Slab For 4' Diameter, Precast Concrete Manhole .....	623.57	80.69
33 05 61 00-0020 EA Precast Channel For 4' Diameter, Precast Concrete Manhole .....	926.64	80.69
 <b>33 05 61 00-0021 5' Diameter, Precast Concrete Manholes</b> <small>(33 05 61 00-0002)</small>		
33 05 61 00-0022 EA 4' Deep, 5' Diameter, Precast Concrete Manhole.....	4,391.80	342.32
<i>For Bitumastic Coating, Add</i>	98.72	
<i>For Epoxy Coating, Add</i>	236.03	
33 05 61 00-0023 EA 6' Deep, 5' Diameter, Precast Concrete Manhole.....	5,846.17	469.46
<i>For Bitumastic Coating, Add</i>	148.07	
<i>For Epoxy Coating, Add</i>	354.04	
33 05 61 00-0024 EA 8' Deep, 5' Diameter, Precast Concrete Manhole.....	7,518.24	704.19
<i>For Bitumastic Coating, Add</i>	197.43	
<i>For Epoxy Coating, Add</i>	472.05	
33 05 61 00-0025 VLF Riser For 5' Diameter, Precast Concrete Manhole .....	777.62	88.02
Note: For depths greater than 8'.		
<i>For Bitumastic Coating, Add</i>	24.68	
<i>For Epoxy Coating, Add</i>	59.01	
 <b>33 05 61 00-0026 6' Diameter, Precast Concrete Manholes</b> <small>(33 05 61 00-0002)</small>		
33 05 61 00-0027 EA 4' Deep, 6' Diameter, Precast Concrete Manhole.....	5,911.97	381.43
<i>For Bitumastic Coating, Add</i>	113.02	
<i>For Epoxy Coating, Add</i>	276.32	
33 05 61 00-0028 EA 6' Deep, 6' Diameter, Precast Concrete Manhole.....	7,694.19	518.36
<i>For Bitumastic Coating, Add</i>	169.52	
<i>For Epoxy Coating, Add</i>	414.49	
33 05 61 00-0029 EA 8' Deep, 6' Diameter, Precast Concrete Manhole.....	9,720.16	782.43
<i>For Bitumastic Coating, Add</i>	226.03	
<i>For Epoxy Coating, Add</i>	552.65	
33 05 61 00-0030 VLF Riser For 6' Diameter, Precast Concrete Manhole .....	946.77	97.80
Note: For depths greater than 8'.		
<i>For Bitumastic Coating, Add</i>	28.25	
<i>For Epoxy Coating, Add</i>	69.08	
 <b>33 05 61 00-0031 7' Diameter, Precast Concrete Manholes</b> <small>(33 05 61 00-0002)</small>		
33 05 61 00-0032 EA 4' Deep, 7' Diameter, Precast Concrete Manhole.....	9,364.09	420.56
<i>For Bitumastic Coating, Add</i>	240.33	
<i>For Epoxy Coating, Add</i>	482.86	
33 05 61 00-0033 EA 6' Deep, 7' Diameter, Precast Concrete Manhole.....	12,101.93	573.63
<i>For Bitumastic Coating, Add</i>	360.50	
<i>For Epoxy Coating, Add</i>	724.29	
33 05 61 00-0034 EA 8' Deep, 7' Diameter, Precast Concrete Manhole.....	15,107.75	860.68
<i>For Bitumastic Coating, Add</i>	480.66	
<i>For Epoxy Coating, Add</i>	965.71	

**33 Utilities****33 05 Common Work Results for Utilities****33 05 61 Concrete Manholes**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0035 VLF Riser For 7' Diameter, Precast Concrete Manhole..... Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	1,431.01 60.08 120.71	107.59
<b>33 05 61 00-0036 8' Diameter, Precast Concrete Manholes (33 05 61 00-0002)</b>		
33 05 61 00-0037 EA 4' Deep, 8' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	13,581.96 284.12 588.56	484.13
33 05 61 00-0038 EA 6' Deep, 8' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	17,603.07 426.19 882.84	660.18
33 05 61 00-0039 EA 8' Deep, 8' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	21,932.26 568.25 1,177.12	990.26
33 05 61 00-0040 VLF Riser For 8' Diameter, Precast Concrete Manhole..... Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	2,079.02 71.03 147.14	122.25
<b>33 05 63 Concrete Vaults and Chambers (33 05)</b>		
<b>33 05 63 00-0001 Underground Utility Vaults And Structures (33 05 63)</b> See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.		
<b>33 05 63 00-0002 Precast Concrete Underground Utility Vault (33 05 63 00-0001)</b> Note: Sizes given are for inside dimensions.		
<b>33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)</b>		
33 05 63 00-0004 EA 4' x 4' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,112.90	
33 05 63 00-0005 EA 4' x 6' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,057.70	
33 05 63 00-0006 EA 5' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,694.25	
33 05 63 00-0007 EA 5' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,729.61	
33 05 63 00-0008 EA 6' x 6' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,185.54	
33 05 63 00-0009 EA 6' x 8' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,312.38	
33 05 63 00-0010 EA 6' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,440.23	
33 05 63 00-0011 EA 6' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,749.70	
33 05 63 00-0012 EA 6' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,749.70	
33 05 63 00-0013 EA 6' x 16' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,535.56	
33 05 63 00-0014 EA 8' x 8' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,623.30	
33 05 63 00-0015 EA 8' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,933.22	
33 05 63 00-0016 EA 8' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,769.28	
33 05 63 00-0017 EA 8' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,371.77	
<b>33 05 63 00-0018 7' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)</b>		
33 05 63 00-0019 EA 4' x 4' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,689.85	
33 05 63 00-0020 EA 4' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,791.16	
33 05 63 00-0021 EA 4' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,472.61	
33 05 63 00-0022 EA 5' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,281.94	
33 05 63 00-0023 EA 5' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,396.29	
33 05 63 00-0024 EA 6' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,089.52	
33 05 63 00-0025 EA 6' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,861.57	
33 05 63 00-0026 EA 6' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,686.27	
33 05 63 00-0027 EA 6' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,689.96	
33 05 63 00-0028 EA 6' x 16' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,684.90	
33 05 63 00-0029 EA 8' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,250.47	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0030 EA 8' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,638.43	
33 05 63 00-0031 EA 8' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,814.66	
33 05 63 00-0032 EA 8' x 14' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,520.12	
33 05 63 00-0033 EA 10' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,022.97	
<b>33 05 63 00-0034 8' High Precast Concrete Underground Utility Vault</b> (33 05 63 00-0002)		
33 05 63 00-0035 EA 4' x 4' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,740.08	
33 05 63 00-0036 EA 4' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,841.92	
33 05 63 00-0037 EA 5' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,869.61	
33 05 63 00-0038 EA 5' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,061.99	
33 05 63 00-0039 EA 6' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,125.82	
33 05 63 00-0040 EA 6' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,409.73	
33 05 63 00-0041 EA 6' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,693.67	
33 05 63 00-0042 EA 6' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,630.23	
33 05 63 00-0043 EA 6' x 16' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,834.30	
33 05 63 00-0044 EA 8' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,876.68	
33 05 63 00-0045 EA 8' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,343.63	
33 05 63 00-0046 EA 8' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,858.97	
33 05 63 00-0047 EA 8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,669.50	
33 05 63 00-0048 EA 10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,068.04	
<b>33 05 63 00-0049 10' High Precast Concrete Underground Utility Vault</b> (33 05 63 00-0002)		
33 05 63 00-0050 EA 6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,595.98	
33 05 63 00-0051 EA 6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,957.89	
33 05 63 00-0052 EA 10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,112.30	
<b>33 05 63 00-0053 12' High Precast Concrete Underground Utility Vault</b> (33 05 63 00-0002)		
33 05 63 00-0054 EA 6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,066.12	
33 05 63 00-0055 EA 6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,507.07	
<b>33 05 63 00-0056 Meter Pit</b> (33 05 63 00-0001)		
<b>33 05 63 00-0057 Precast Concrete Meter Pit</b> (33 05 63 00-0056)		
33 05 63 00-0058 EA 4' x 4' x 4' Deep Precast Concrete Meter Pit.....	3,066.25	
33 05 63 00-0059 EA 4' x 4' x 6' Deep Precast Concrete Meter Pit.....	4,158.63	
33 05 63 00-0060 EA 4' x 4' x 8' Deep Precast Concrete Meter Pit.....	5,222.54	
33 05 63 00-0061 EA 4' x 4' x 10' Deep Precast Concrete Meter Pit.....	6,471.41	
33 05 63 00-0062 EA 4' x 4' x 15' Deep Precast Concrete Meter Pit.....	8,946.89	
33 05 63 00-0063 EA 6' x 6' x 4' Deep Precast Concrete Meter Pit.....	4,650.47	
33 05 63 00-0064 EA 6' x 6' x 6' Deep Precast Concrete Meter Pit.....	6,471.41	
33 05 63 00-0065 EA 6' x 6' x 8' Deep Precast Concrete Meter Pit.....	8,339.22	
33 05 63 00-0066 EA 6' x 6' x 10' Deep Precast Concrete Meter Pit.....	10,403.41	
33 05 63 00-0067 EA 6' x 6' x 15' Deep Precast Concrete Meter Pit.....	14,801.08	
<b>33 05 63 00-0068 Handhole Or Pull Box Enclosures</b> (33 05 63 00-0001)		
<b>33 05 63 00-0069 Polymer Concrete Handhole Enclosures</b> (33 05 63 00-0068)		
<b>33 05 63 00-0070 Polymer Concrete Handhole Enclosures</b> (33 05 63 00-0069)		
<b>33 05 63 00-0071 Flared Sides, Polymer Concrete Handhole Enclosures</b> (33 05 63 00-0070)		
<b>33 05 63 00-0072 Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures</b> (33 05 63 00-0071)		
33 05 63 00-0073 EA 12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	400.58	21.42

**33 Utilities****33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0074 EA 10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	325.28	47.57
33 05 63 00-0075 EA 13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	497.53	71.35
33 05 63 00-0076 EA 17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	586.52	71.35
33 05 63 00-0077 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	557.12	71.35
33 05 63 00-0078 EA 13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	685.47	71.35
33 05 63 00-0079 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	666.09	71.35
33 05 63 00-0080 EA 17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	925.99	71.35
33 05 63 00-0081 EA 27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,319.61	95.14
33 05 63 00-0082 EA 27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,878.93	95.14
33 05 63 00-0083 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,166.56	130.81
33 05 63 00-0084 EA 24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,341.72	130.81
33 05 63 00-0085 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,252.91	130.81
33 05 63 00-0086 EA 39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,243.61	142.71
33 05 63 00-0087 EA 39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,817.36	142.71
33 05 63 00-0088 EA 39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,286.54	142.71
33 05 63 00-0089 EA 39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	3,396.26	142.71
33 05 63 00-0090 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,802.09	228.50
33 05 63 00-0091 EA 30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,665.61	228.50
<b>33 05 63 00-0092 Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0071)</small>		
33 05 63 00-0093 EA 12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	516.84	21.42
33 05 63 00-0094 EA 13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	635.99	71.35
33 05 63 00-0095 EA 17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	779.24	71.35
33 05 63 00-0096 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	715.12	71.35
33 05 63 00-0097 EA 13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	824.82	71.35
33 05 63 00-0098 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	853.59	71.35
33 05 63 00-0099 EA 17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,115.10	71.35
33 05 63 00-0100 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,461.01	130.81
33 05 63 00-0101 EA 24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,636.17	130.81
33 05 63 00-0102 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,547.38	130.81
33 05 63 00-0103 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,146.17	228.50
33 05 63 00-0104 EA 30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	3,016.26	228.50
<b>33 05 63 00-0105 Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0070)</small>		
<b>33 05 63 00-0106 Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0105)</small>		
33 05 63 00-0107 EA 5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	666.45	21.42
33 05 63 00-0108 EA 10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	561.22	21.42
33 05 63 00-0109 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	419.87	71.35
33 05 63 00-0110 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	481.96	71.35
33 05 63 00-0111 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	145.57	21.42
33 05 63 00-0112 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	233.56	21.42
33 05 63 00-0113 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	386.29	21.42
33 05 63 00-0114 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	404.77	21.42
33 05 63 00-0115 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	318.83	47.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0116 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	347.18	47.57
33 05 63 00-0117 EA 8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	229.78	21.42
33 05 63 00-0118 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	264.41	21.42
33 05 63 00-0119 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	344.24	47.57
33 05 63 00-0120 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	391.90	47.57
33 05 63 00-0121 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	361.05	47.57
33 05 63 00-0122 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	422.76	71.35
33 05 63 00-0123 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	469.51	71.35
33 05 63 00-0124 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	504.28	71.35
33 05 63 00-0125 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	556.64	71.35
33 05 63 00-0126 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	661.06	71.35
33 05 63 00-0127 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	724.41	71.35
33 05 63 00-0128 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	793.72	71.35
33 05 63 00-0129 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	837.30	71.35
33 05 63 00-0130 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	991.06	95.14
33 05 63 00-0131 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	976.82	130.81
33 05 63 00-0132 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,280.38	130.81
33 05 63 00-0133 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,560.68	130.81
33 05 63 00-0134 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,737.70	130.81
33 05 63 00-0135 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,913.77	130.81
33 05 63 00-0136 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,138.98	228.50
33 05 63 00-0137 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,518.43	228.50
33 05 63 00-0138 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,743.25	228.50
33 05 63 00-0139 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,173.16	228.50
33 05 63 00-0140 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,168.74	228.50
33 05 63 00-0141 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,329.22	228.50
33 05 63 00-0142 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,637.85	228.50
33 05 63 00-0143 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,404.63	244.82
33 05 63 00-0144 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,622.53	244.82
33 05 63 00-0145 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,900.72	244.82
33 05 63 00-0146 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,012.03	244.82
33 05 63 00-0147 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,050.72	244.82
33 05 63 00-0148 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,474.60	244.82
33 05 63 00-0149 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,651.41	244.82
33 05 63 00-0150 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,544.56	244.82
33 05 63 00-0151 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,998.70	261.14
33 05 63 00-0152 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,970.48	261.14
33 05 63 00-0153 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	6,418.72	261.14
<b>33 05 63 00-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0105)</small>		
33 05 63 00-0155 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	581.07	71.35
33 05 63 00-0156 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	673.18	71.35
33 05 63 00-0157 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	255.97	21.42

**33 Utilities****33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0158	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	376.23	21.42
33 05 63 00-0159	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	509.17	21.42
33 05 63 00-0160	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	527.68	21.42
33 05 63 00-0161	EA	10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	439.88	47.57
33 05 63 00-0162	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	459.61	47.57
33 05 63 00-0163	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	485.99	47.57
33 05 63 00-0164	EA	8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	350.16	21.42
33 05 63 00-0165	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	416.36	21.42
33 05 63 00-0166	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	485.35	47.57
33 05 63 00-0167	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	533.01	47.57
33 05 63 00-0168	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	503.66	47.57
33 05 63 00-0169	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	580.18	71.35
33 05 63 00-0170	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	627.52	71.35
33 05 63 00-0171	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	692.14	71.35
33 05 63 00-0172	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	744.17	71.35
33 05 63 00-0173	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	848.28	71.35
33 05 63 00-0174	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	911.90	71.35
33 05 63 00-0175	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	980.91	71.35
33 05 63 00-0176	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,024.80	71.35
33 05 63 00-0177	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,250.07	95.14
33 05 63 00-0178	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,271.29	130.81
33 05 63 00-0179	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,574.49	130.81
33 05 63 00-0180	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,854.49	130.81
33 05 63 00-0181	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,031.23	130.81
33 05 63 00-0182	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,207.88	130.81
33 05 63 00-0183	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,859.26	228.50
33 05 63 00-0184	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,084.42	228.50
33 05 63 00-0185	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,514.00	228.50
<b>33 05 63 00-0186</b>		<b>Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small></b>		
33 05 63 00-0187	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	529.60	71.35
33 05 63 00-0188	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	624.27	71.35
33 05 63 00-0189	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	185.59	21.42
33 05 63 00-0190	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	314.44	21.42
33 05 63 00-0191	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	457.75	21.42
33 05 63 00-0192	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	476.59	21.42
33 05 63 00-0193	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	406.02	47.57
33 05 63 00-0194	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	460.89	47.57
33 05 63 00-0195	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	273.42	21.42
33 05 63 00-0196	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	432.98	47.57
33 05 63 00-0197	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	501.33	47.57
33 05 63 00-0198	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	450.74	47.57
33 05 63 00-0199	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	572.93	71.35
33 05 63 00-0200	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	666.37	71.35
33 05 63 00-0201	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	697.45	71.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0202 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	771.43	71.35
33 05 63 00-0203 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	839.50	71.35
33 05 63 00-0204 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	903.76	71.35
33 05 63 00-0205 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,018.82	71.35
33 05 63 00-0206 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,034.86	71.35
33 05 63 00-0207 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,270.14	95.14
33 05 63 00-0208 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,297.30	130.81
33 05 63 00-0209 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,632.16	130.81
33 05 63 00-0210 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,963.33	130.81
33 05 63 00-0211 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,183.28	130.81
33 05 63 00-0212 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,403.24	130.81
33 05 63 00-0213 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,548.79	228.50
33 05 63 00-0214 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,928.27	228.50
33 05 63 00-0215 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,170.63	228.50
33 05 63 00-0216 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,600.24	228.50
33 05 63 00-0217 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,789.74	228.50
33 05 63 00-0218 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,849.08	228.50
33 05 63 00-0219 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,424.74	228.50
33 05 63 00-0220 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,157.95	244.82
33 05 63 00-0221 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,270.54	244.82
33 05 63 00-0222 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,589.92	244.82
33 05 63 00-0223 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,831.64	244.82
33 05 63 00-0224 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,508.54	244.82
33 05 63 00-0225 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,373.03	244.82
33 05 63 00-0226 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,777.69	244.82
33 05 63 00-0227 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,165.58	244.82
33 05 63 00-0228 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	5,065.64	261.14
33 05 63 00-0229 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	6,037.81	261.14
33 05 63 00-0230 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	8,195.21	261.14
<b>33 05 63 00-0231 Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures</b>		
33 05 63 00-0232 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	690.78	71.35
33 05 63 00-0233 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	815.85	71.35
33 05 63 00-0234 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	295.10	21.42
33 05 63 00-0235 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	456.83	21.42
33 05 63 00-0236 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	580.37	21.42
33 05 63 00-0237 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	599.47	21.42
33 05 63 00-0238 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	547.13	47.57
33 05 63 00-0239 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	601.66	47.57
33 05 63 00-0240 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	429.90	21.42
33 05 63 00-0241 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	573.45	47.57
33 05 63 00-0242 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	641.80	47.57

**33 Utilities****33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0243 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	553.08	47.57
33 05 63 00-0244 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	730.99	71.35
33 05 63 00-0245 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	824.44	71.35
33 05 63 00-0246 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	884.94	71.35
33 05 63 00-0247 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	958.96	71.35
33 05 63 00-0248 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,027.00	71.35
33 05 63 00-0249 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,091.28	71.35
33 05 63 00-0250 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,206.38	71.35
33 05 63 00-0251 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,222.36	71.35
33 05 63 00-0252 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,528.82	95.14
33 05 63 00-0253 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,591.75	130.81
33 05 63 00-0254 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,926.30	130.81
33 05 63 00-0255 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,257.10	130.81
33 05 63 00-0256 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,477.23	130.81
33 05 63 00-0257 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,697.36	130.81
33 05 63 00-0258 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,269.41	228.50
33 05 63 00-0259 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,512.11	228.50
33 05 63 00-0260 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,941.41	228.50
<b>33 05 63 00-0261 Footed, Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0105)</small>		
33 05 63 00-0262 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	568.90	71.35
33 05 63 00-0263 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	384.68	47.57
33 05 63 00-0264 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	437.37	47.57
33 05 63 00-0265 EA 13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	500.50	71.35
33 05 63 00-0266 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	401.94	47.57
33 05 63 00-0267 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	452.41	47.57
<b>33 05 63 00-0268 Polymer Concrete Handhole Enclosure Extensions</b> <small>(33 05 63 00-0069)</small>		
33 05 63 00-0269 EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	402.39	71.35
33 05 63 00-0270 EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	457.31	71.35
33 05 63 00-0271 EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	515.74	95.14
33 05 63 00-0272 EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	569.66	95.14
33 05 63 00-0273 EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	662.39	130.81
33 05 63 00-0274 EA 36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	1,198.58	228.50
33 05 63 00-0275 EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	1,139.63	228.50
33 05 63 00-0276 EA 30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	1,152.49	228.50
33 05 63 00-0277 EA 36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	1,590.16	244.82
33 05 63 00-0278 EA 48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	2,595.31	261.14
33 05 63 00-0279 EA 48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	3,451.63	261.14
33 05 63 00-0280 EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	690.55	71.35
33 05 63 00-0281 EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	724.10	71.35
33 05 63 00-0282 EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	761.54	95.14
33 05 63 00-0283 EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	816.05	95.14
33 05 63 00-0284 EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	931.98	130.81
33 05 63 00-0285 EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	1,520.62	228.50
33 05 63 00-0286 EA 13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension .....	526.54	71.35



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0287	EA			17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension .....	592.72	71.35
33 05 63 00-0288	EA			24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension .....	757.33	130.81
33 05 63 00-0289	EA			36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension .....	1,527.04	244.82
<b>33 05 63 00-0290</b>		<b>Polymer Concrete Handhole Enclosure Covers</b> <small>(33 05 63 00-0069)</small>				
<b>33 05 63 00-0291</b>		<b>Polymer Concrete Handhole Enclosure Covers</b> <small>(33 05 63 00-0290)</small>				
33 05 63 00-0292	EA			5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	154.39	9.52
33 05 63 00-0293	EA			10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	156.51	9.52
33 05 63 00-0294	EA			12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	144.42	9.52
33 05 63 00-0295	EA			8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	156.92	9.52
33 05 63 00-0296	EA			11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	158.53	9.51
33 05 63 00-0297	EA			13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	183.15	9.51
33 05 63 00-0298	EA			17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	213.61	9.51
33 05 63 00-0299	EA			30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	1,435.34	29.38
33 05 63 00-0300	EA			30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	1,253.71	29.38
33 05 63 00-0301	EA			36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	1,886.35	29.38
33 05 63 00-0302	EA			48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	1,907.91	29.38
33 05 63 00-0303	EA			36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	2,163.89	29.38
33 05 63 00-0304	EA			48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	2,359.42	29.38
33 05 63 00-0305	EA			48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	3,803.03	29.38
33 05 63 00-0306	EA			10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	130.98	9.51
33 05 63 00-0307	EA			11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	191.43	9.51
33 05 63 00-0308	EA			11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	194.24	9.51
33 05 63 00-0309	EA			13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	246.63	9.51
33 05 63 00-0310	EA			13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover .....	183.93	9.51
33 05 63 00-0311	EA			17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	293.35	9.51
33 05 63 00-0312	EA			17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover .....	228.45	9.51
33 05 63 00-0313	EA			27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	477.99	9.51
33 05 63 00-0314	EA			24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	413.39	14.27
33 05 63 00-0315	EA			24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	521.40	14.27
33 05 63 00-0316	EA			39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	673.62	16.65
33 05 63 00-0317	EA			36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	949.60	22.85
33 05 63 00-0318	EA			30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	985.14	43.52
33 05 63 00-0319	EA			11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	249.77	9.51
33 05 63 00-0320	EA			13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	359.83	9.51
33 05 63 00-0321	EA			17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	410.64	9.51
33 05 63 00-0322	EA			27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	688.58	9.51
33 05 63 00-0323	EA			24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	561.87	14.27
33 05 63 00-0324	EA			39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	956.42	16.65
33 05 63 00-0325	EA			36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	1,255.94	22.85
33 05 63 00-0326	EA			30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	1,695.74	29.38
33 05 63 00-0327	EA			30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	1,505.43	29.38
33 05 63 00-0328	EA			36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	2,110.59	29.38
33 05 63 00-0329	EA			48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	2,754.18	29.38
33 05 63 00-0330	EA			36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	2,636.78	29.38
33 05 63 00-0331	EA			48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	4,012.62	29.38
33 05 63 00-0332	EA			48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	6,208.60	29.38
33 05 63 00-0333	EA			11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	331.32	9.51
33 05 63 00-0334	EA			11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	363.11	9.51
33 05 63 00-0335	EA			13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	480.88	9.51
33 05 63 00-0336	EA			17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	549.22	9.51
33 05 63 00-0337	EA			27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	955.65	9.51
33 05 63 00-0338	EA			24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	687.72	14.27
33 05 63 00-0339	EA			24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	945.03	14.27
33 05 63 00-0340	EA			39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	1,470.24	16.65
33 05 63 00-0341	EA			36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	1,682.38	22.85
33 05 63 00-0342	EA			30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	1,748.66	43.52
33 05 63 00-0343	EA			30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	2,023.37	29.38
33 05 63 00-0344	EA			36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	2,832.47	29.38
33 05 63 00-0345	EA			48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	3,970.51	29.38
33 05 63 00-0346	EA			36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	3,541.02	29.38
33 05 63 00-0347	EA			48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	5,881.00	29.38
33 05 63 00-0348	EA			48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	9,087.97	29.38
<b>33 05 63 00-0349</b>		<b>Polymer Concrete Handhole Enclosure Covers With Gaskets</b> <small>(33 05 63 00-0290)</small>				
33 05 63 00-0350	EA			12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	178.60	9.52
33 05 63 00-0351	EA			8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	189.25	9.52
33 05 63 00-0352	EA			11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	192.71	9.51
33 05 63 00-0353	EA			13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	194.02	9.51
33 05 63 00-0354	EA			17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	225.23	9.51
33 05 63 00-0355	EA			10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	140.79	9.51
33 05 63 00-0356	EA			11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	201.49	9.51
33 05 63 00-0357	EA			11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	203.44	9.51
33 05 63 00-0358	EA			13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	257.00	9.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0359 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket .....	195.21	9.51
33 05 63 00-0360 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket .....	240.38	9.51
33 05 63 00-0361 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	304.33	9.51
33 05 63 00-0362 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	420.76	14.27
33 05 63 00-0363 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	532.71	14.27
33 05 63 00-0364 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	996.76	43.52
33 05 63 00-0365 EA 6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	115.84	9.52
33 05 63 00-0366 EA 8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	185.91	9.52
33 05 63 00-0367 EA 8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	207.76	9.52
33 05 63 00-0368 EA 12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	198.06	9.52
33 05 63 00-0369 EA 10" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	161.67	9.51
33 05 63 00-0370 EA 11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	259.81	9.51
33 05 63 00-0371 EA 11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	282.48	9.51
33 05 63 00-0372 EA 13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	370.51	9.51
33 05 63 00-0373 EA 17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	422.23	9.51
33 05 63 00-0374 EA 24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	572.23	14.27
33 05 63 00-0375 EA 24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	717.68	14.27
33 05 63 00-0376 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	1,318.14	43.52

### 33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts (33 05 63 00-0290)

33 05 63 00-0378 EA 6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	91.75	9.52
33 05 63 00-0379 EA 7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	110.59	9.52
33 05 63 00-0380 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	135.97	9.52
33 05 63 00-0381 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	147.25	9.52
33 05 63 00-0382 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	146.94	9.51
33 05 63 00-0383 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	175.84	9.51
33 05 63 00-0384 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	204.25	9.51
33 05 63 00-0385 EA 24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	502.89	14.27
33 05 63 00-0386 EA 30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	942.84	43.52
33 05 63 00-0387 EA 30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	1,419.47	29.38
33 05 63 00-0388 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	1,235.78	29.38
33 05 63 00-0389 EA 48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	1,856.86	29.38
33 05 63 00-0390 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	1,791.18	29.38
33 05 63 00-0391 EA 36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	2,146.77	29.38
33 05 63 00-0392 EA 48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	2,296.16	29.38
33 05 63 00-0393 EA 48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	3,681.46	29.38
33 05 63 00-0394 EA 10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	125.62	9.51
33 05 63 00-0395 EA 10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	122.48	9.51
33 05 63 00-0396 EA 11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	184.65	9.51
33 05 63 00-0397 EA 11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	203.69	9.51
33 05 63 00-0398 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	231.59	9.51
33 05 63 00-0399 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	174.20	9.51
33 05 63 00-0400 EA 18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	195.21	9.51
33 05 63 00-0401 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	280.18	9.51
33 05 63 00-0402 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	404.86	14.27
33 05 63 00-0403 EA 20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	508.75	14.27
33 05 63 00-0404 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	502.58	14.27
33 05 63 00-0405 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	911.02	22.85
33 05 63 00-0406 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	942.84	26.12

### 33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)

33 05 63 00-0408 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover .....	1,478.64	29.38
33 05 63 00-0409 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover .....	2,148.97	29.38
33 05 63 00-0410 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover .....	1,239.73	43.52
33 05 63 00-0411 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover .....	1,648.94	43.52
33 05 63 00-0412 EA 30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover .....	1,760.11	29.38
33 05 63 00-0413 EA 36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover .....	2,405.25	29.38

### 33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)

33 05 63 00-0415 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	572.43	14.27
33 05 63 00-0416 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	1,070.34	22.85
33 05 63 00-0417 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	1,117.80	43.52
33 05 63 00-0418 EA 6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	86.49	9.52
33 05 63 00-0419 EA 8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	148.25	9.52
33 05 63 00-0420 EA 12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	163.87	9.52
33 05 63 00-0421 EA 8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	174.21	9.52
33 05 63 00-0422 EA 10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	151.94	9.51
33 05 63 00-0423 EA 11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	273.29	9.51
33 05 63 00-0424 EA 24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	770.82	14.27
33 05 63 00-0425 EA 36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	1,428.13	22.85
33 05 63 00-0426 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	1,495.32	43.52

### 33 05 63 00-0427 Precast Concrete Handholes With Steel Cover (33 05 63 00-0068)

Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0428 EA 12" x 12" x 12" Precast Concrete Handholes With Steel Cover.....	817.95	230.65
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	18.00	
33 05 63 00-0429 EA 12" x 24" x 21" Precast Concrete Handholes With Steel Cover.....	1,372.23	345.96
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	103.53	
33 05 63 00-0430 EA 18" x 30" x 18" Precast Concrete Handholes With Steel Cover.....	1,666.15	461.28
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	180.42	
33 05 63 00-0431 EA 24" x 24" x 24" Precast Concrete Handholes With Steel Cover.....	1,729.61	461.28
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	227.43	
33 05 63 00-0432 EA 24" x 24" x 30" Precast Concrete Handholes With Steel Cover.....	2,035.60	576.60
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	273.37	
33 05 63 00-0433 EA 30" x 36" x 30" Precast Concrete Handholes With Steel Cover.....	2,141.16	576.60
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	301.80	
33 05 63 00-0434 EA 36" x 36" x 48" Precast Concrete Handholes With Steel Cover.....	2,475.45	691.93
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	352.18	
33 05 63 00-0435 EA 48" x 48" x 48" Precast Concrete Handholes With Steel Cover.....	2,843.14	807.25
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	495.92	
33 05 63 00-0436 EA 48" x 72" x 36" Precast Concrete Handholes With Steel Cover.....	2,788.38	691.93
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	541.50	
33 05 63 00-0437 EA 54" x 38" x 24" Precast Concrete Handholes With Steel Cover.....	2,815.30	691.93
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	371.30	
33 05 63 00-0438 EA 6" Diameter Precast Concrete Handholes With Steel Cover.....	645.66	230.65
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	
33 05 63 00-0439 EA 9" Diameter Precast Concrete Handholes With Steel Cover.....	760.02	259.47
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	
33 05 63 00-0440 EA 12" Diameter Precast Concrete Handholes With Steel Cover.....	931.03	288.30
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	

### 33 05 81 Metallic Castings for Utility Structures (33 05)

#### 33 05 81 00-0001 Manhole Accessories (33 05 81)

#### 33 05 81 00-0002 Steps For Cast-In-Place Manholes (33 05 81 00-0001)

See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 81 00-0003 EA Cast Iron Manhole Step For New Manholes.....	106.18
33 05 81 00-0004 EA Galvanized Steel Manhole Step For New Manholes.....	63.71
33 05 81 00-0005 EA Aluminum Manhole Step For New Manholes.....	90.94

#### 33 05 81 00-0006 Manhole Covers And Frames (33 05 81)

Note: Includes moisture-tight masonry joints and waterproof grouting.

#### 33 05 81 00-0007 Regular Manhole Covers And Frames (33 05 81 00-0006)

33 05 81 00-0008 EA 18" Square, Gray Iron, Manhole Cover With Frame.....	1,822.42	84.11
For Ductile Iron Castings, Add	1,097.69	
33 05 81 00-0009 EA 18" Diameter, Gray Iron, Manhole Cover With Frame.....	1,015.46	84.11
For Ductile Iron Castings, Add	532.82	
33 05 81 00-0010 EA 24" Diameter, Gray Iron, Manhole Cover With Frame.....	1,173.48	97.80
For Ductile Iron Castings, Add	616.04	
33 05 81 00-0011 EA 24" Square, Gray Iron, Manhole Cover With Frame.....	1,855.13	108.56
For Ductile Iron Castings, Add	1,070.38	
33 05 81 00-0012 EA 26" Diameter, Gray Iron, Manhole Cover With Frame.....	1,566.58	117.36
For Ductile Iron Castings, Add	849.16	
33 05 81 00-0013 EA 30" Diameter, Gray Iron, Manhole Cover With Frame.....	1,634.52	122.25
For Ductile Iron Castings, Add	887.44	

#### 33 05 81 00-0014 Watertight Type Manhole Covers And Frames (33 05 81 00-0006)

33 05 81 00-0015 EA 20" Diameter, Gray Iron, Watertight Manhole Cover With Frame.....	2,008.01	69.44
For Ductile Iron Castings, Add	1,212.13	
33 05 81 00-0016 EA 22" Diameter, Gray Iron, Watertight Manhole Cover With Frame.....	2,036.45	69.44
For Ductile Iron Castings, Add	1,216.10	
33 05 81 00-0017 EA 24" Diameter, Gray Iron, Watertight Manhole Cover With Frame.....	2,074.75	81.18
For Ductile Iron Castings, Add	1,224.12	
33 05 81 00-0018 EA 26" Diameter, Gray Iron, Watertight Manhole Cover With Frame.....	2,474.13	90.95
For Ductile Iron Castings, Add	1,484.44	
33 05 81 00-0019 EA 30" Diameter, Gray Iron, Watertight Manhole Cover With Frame.....	2,870.19	92.91
For Ductile Iron Castings, Add	1,752.41	
33 05 81 00-0020 EA 32" Diameter, Gray Iron, Watertight Manhole Cover With Frame.....	3,022.34	94.87
For Ductile Iron Castings, Add	1,855.55	
33 05 81 00-0021 EA 36" Diameter, Gray Iron, Watertight Manhole Cover With Frame.....	3,158.61	97.80
For Ductile Iron Castings, Add	1,947.44	

**33 Utilities****33 05 Common Work Results for Utilities****33 05 81 Metallic Castings for Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 05 81 00-0022 Aluminum Manhole Covers And Frames</b> (33 05 81 00-0006)		
33 05 81 00-0023 EA 12" Square Aluminum Manhole Cover With Frame .....	1,148.36	28.98
33 05 81 00-0024 EA 18" Square Aluminum Manhole Cover With Frame .....	2,114.52	32.08
33 05 81 00-0025 EA 24" Square Aluminum Manhole Cover With Frame .....	3,039.45	37.25
<b>33 05 81 00-0026 Removal And Reinstallation Of Manhole Cover And Frame</b> (33 05 81 00-0006)		
Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.		
33 05 81 00-0027 EA Removal And Reinstallation Of Manhole Cover And Frame .....	392.14	
<b>33 05 83 Non-Metallic Accessories for Utility Structures</b> (33 05)		
<b>33 05 83 00-0001 Manhole Accessories</b> (33 05 83)		
<b>33 05 83 00-0002 Steps For Cast-In-Place Manholes</b> (33 05 83 00-0001)		
See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.		
33 05 83 00-0003 EA Polypropylene Manhole Step For New Manholes .....	48.16	
<b>33 05 83 00-0004 Rainguard Inflow Protectors</b> (33 05 83)		
33 05 83 00-0005 EA 18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	127.43	20.33
33 05 83 00-0006 EA 22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	150.05	20.33
33 05 83 00-0007 EA 24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	179.33	24.39
33 05 83 00-0008 EA 26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	193.63	24.39
33 05 83 00-0009 EA 30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	241.74	28.45
33 05 83 00-0010 EA 32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	259.30	28.45
<b>33 05 84 Accessories for Utility Structures</b> (33 05)		
See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
<b>33 05 84 00-0001 Manhole Accessories</b> (33 05 84)		
<b>33 05 84 00-0002 Precast Concrete Manhole Tops</b> (33 05 84 00-0001)		
<b>33 05 84 00-0003 Precast Concrete Manhole Slab Tops</b> (33 05 84 00-0002)		
33 05 84 00-0004 EA 3' Diameter x 8" Thick Precast Manhole Top Slab .....	569.20	73.36
33 05 84 00-0005 EA 4' Diameter x 8" Thick Precast Manhole Top Slab .....	807.95	79.22
33 05 84 00-0006 EA 5' Diameter x 8" Thick Precast Manhole Top Slab.....	1,104.94	85.09
33 05 84 00-0007 EA 6' Diameter x 8" Thick Precast Manhole Top Slab .....	1,328.54	90.95
<b>33 05 84 00-0008 Precast Concrete Manhole Cone Tops</b> (33 05 84 00-0002)		
33 05 84 00-0009 EA 3' Diameter x 8" Thick Precast Manhole Top Cone.....	918.35	91.69
33 05 84 00-0010 EA 3'-6" Diameter x 8" Thick Precast Manhole Top Cone .....	1,024.93	95.36
33 05 84 00-0011 EA 4' Diameter x 8" Thick Precast Manhole Top Cone.....	1,131.56	99.02
33 05 84 00-0012 EA 5' Diameter x 8" Thick Precast Manhole Top Cone.....	1,339.85	105.14
33 05 84 00-0013 EA 6' Diameter x 8" Thick Precast Manhole Top Cone.....	1,553.06	112.48
33 05 84 00-0014 EA 7' Diameter x 8" Thick Precast Manhole Top Cone.....	2,491.14	119.81
33 05 84 00-0015 EA 8' Diameter x 10" Thick Precast Manhole Top Cone.....	3,138.15	132.04
<b>33 05 84 00-0016 Precast Concrete Manhole Reducer Slabs</b> (33 05 84 00-0002)		
33 05 84 00-0017 EA 5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab .....	1,224.04	85.09
33 05 84 00-0018 EA 6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab .....	1,585.77	90.95
33 05 84 00-0019 EA 7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab .....	2,108.70	90.95
33 05 84 00-0020 EA 8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab .....	3,365.14	90.95
33 05 84 00-0021 EA 10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab .....	4,342.61	90.95
33 05 84 00-0022 EA 12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab .....	6,310.97	90.95
<b>33 05 84 00-0023 Pipe To Manhole Connector</b> (33 05 84 00-0001)		
<b>33 05 84 00-0024 Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors</b> (33 05 84 00-0023)		
33 05 84 00-0025 EA 4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	76.61	
33 05 84 00-0026 EA 6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	112.41	
33 05 84 00-0027 EA 8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	126.74	
33 05 84 00-0028 EA 10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	191.08	
33 05 84 00-0029 EA 12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	266.77	
33 05 84 00-0030 EA 15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	353.33	
33 05 84 00-0031 EA 18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	634.88	
33 05 84 00-0032 EA 21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	881.33	
33 05 84 00-0033 EA 24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,388.31	
33 05 84 00-0034 EA 27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,635.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 05 84 00-0035</b> <b>Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout</b> <small>(33 05 84 00-0023)</small> Note: Fernco CMA.		
33 05 84 00-0036    EA    4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	104.74	
33 05 84 00-0037    EA    6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	145.94	
33 05 84 00-0038    EA    8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	184.54	
33 05 84 00-0039    EA    10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	222.94	
33 05 84 00-0040    EA    12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	258.53	
<b>33 05 84 00-0041</b> <b>Brick And Grout Pipe To Manhole Connector</b> <small>(33 05 84 00-0023)</small>		
33 05 84 00-0042    EA    Seal Gap Between Pipe And Structure With Brick And Grout .....	259.37	
<b>33 05 84 00-0043</b> <b>Inverts For Manholes</b> <small>(33 05 84 00-0001)</small>		
33 05 84 00-0044    EA    Single Channel Concrete Invert For Manholes.....	407.08	
33 05 84 00-0045    EA    Double Channel Concrete Invert For Manholes.....	587.50	
33 05 84 00-0046    EA    Triple Channel Concrete Invert For Manholes.....	791.10	
33 05 84 00-0047    EA    Quad Channel Concrete Invert For Manholes.....	994.65	
33 05 84 00-0048    EA    Single Channel Brick Invert For Manholes.....	605.76	
33 05 84 00-0049    EA    Double Channel Brick Invert For Manholes.....	906.80	
33 05 84 00-0050    EA    Triple Channel Brick Invert For Manholes.....	1,212.98	
33 05 84 00-0051    EA    Quad Channel Brick Invert For Manholes.....	1,515.80	
<b>33 05 84 00-0052</b> <b>Protective Coating For New Manholes</b> <small>(33 05 84 00-0001)</small>		
<b>33 05 84 00-0053</b> <b>Polyurethane Protective Coating For New Manholes</b> <small>(33 05 84 00-0052)</small>		
33 05 84 00-0054    VLF    60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior.....	192.90	
For 80 Mil Material, Add	29.73	
For 100 Mil Material, Add	59.46	
For 125 Mil Material, Add	94.12	
For 150 Mil Material, Add	128.78	
For 200 Mil Material, Add	191.40	
For 2 To 5 Manholes, Deduct	-12.99	
For 6 To 10 Manholes, Deduct	-21.16	
For >10 Manholes, Deduct	-42.32	
33 05 84 00-0055    VLF    60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior.....	232.56	
For 80 Mil Material, Add	35.27	
For 100 Mil Material, Add	70.54	
For 125 Mil Material, Add	111.56	
For 150 Mil Material, Add	152.58	
For 200 Mil Material, Add	226.44	
For 2 To 5 Manholes, Deduct	-15.72	
For 6 To 10 Manholes, Deduct	-25.62	
For >10 Manholes, Deduct	-51.24	
33 05 84 00-0056    VLF    60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior.....	257.21	
For 80 Mil Material, Add	39.64	
For 100 Mil Material, Add	79.29	
For 125 Mil Material, Add	125.50	
For 150 Mil Material, Add	171.71	
For 200 Mil Material, Add	255.21	
For 2 To 5 Manholes, Deduct	-17.32	
For 6 To 10 Manholes, Deduct	-28.21	
For >10 Manholes, Deduct	-56.42	
33 05 84 00-0057    VLF    60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior.....	321.57	
For 80 Mil Material, Add	49.58	
For 100 Mil Material, Add	99.15	
For 125 Mil Material, Add	156.94	
For 150 Mil Material, Add	214.73	
For 200 Mil Material, Add	319.16	
For 2 To 5 Manholes, Deduct	-21.65	
For 6 To 10 Manholes, Deduct	-35.27	
For >10 Manholes, Deduct	-70.54	
33 05 84 00-0058    VLF    60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior.....	373.98	
For 80 Mil Material, Add	58.60	
For 100 Mil Material, Add	117.19	
For 125 Mil Material, Add	185.64	
For 150 Mil Material, Add	254.09	
For 200 Mil Material, Add	378.21	
For 2 To 5 Manholes, Deduct	-25.09	
For 6 To 10 Manholes, Deduct	-40.84	
For >10 Manholes, Deduct	-81.67	
<b>33 05 84 00-0059</b> <b>Polyvinyl Chloride (PVC) Liner</b> <small>(33 05 84 00-0052)</small> Note: For new manholes and shop applied.		
33 05 84 00-0060    VLF    3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	277.85	
33 05 84 00-0061    VLF    3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	340.59	
33 05 84 00-0062    VLF    4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	415.64	
33 05 84 00-0063    VLF    5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	521.96	
33 05 84 00-0064    VLF    6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	628.29	
33 05 84 00-0065    SF    Polyvinyl Chloride (PVC) Liner At Structures.....	36.99	

**33 Utilities****33 05 Common Work Results for Utilities****33 05 84 Accessories for Utility Structures**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>33 05 84 00-0066</b>	<b>Concrete Grade Extensions/Grade Rings</b> <small>(33 05 84 00-0001)</small>		
<b>33 05 84 00-0067</b>	<b>18" Diameter, Concrete Grade Extensions/Grade Rings</b> <small>(33 05 84 00-0066)</small>		
33 05 84 00-0068	EA 4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings.....		87.50
33 05 84 00-0069	EA 6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....		96.19
33 05 84 00-0070	EA 8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....		104.89
33 05 84 00-0071	EA 10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....		113.58
<b>33 05 84 00-0072</b>	<b>24" Diameter, Concrete Grade Extensions/Grade Rings</b> <small>(33 05 84 00-0066)</small>		
33 05 84 00-0073	EA 4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....		98.32
33 05 84 00-0074	EA 6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....		108.20
33 05 84 00-0075	EA 8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....		118.08
33 05 84 00-0076	EA 10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....		127.96
<b>33 05 84 00-0077</b>	<b>30" Diameter, Concrete Grade Extensions/Grade Rings</b> <small>(33 05 84 00-0066)</small>		
33 05 84 00-0078	EA 4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....		108.88
33 05 84 00-0079	EA 6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....		119.90
33 05 84 00-0080	EA 8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....		130.92
33 05 84 00-0081	EA 10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....		141.93
<b>33 05 84 00-0082</b>	<b>Bentonite Collar</b> <small>(33 05 84 00-0001)</small>		
<b>33 05 84 00-0083</b>	<b>Bentonite Collar At Manhole Connections</b> <small>(33 05 84 00-0082)</small>		
33 05 84 00-0084	EA Up To 12" Pipe, Bentonite Collar At Manhole Connection.....		137.45
33 05 84 00-0085	EA >12" To 21", Bentonite Collar At Manhole Connection.....		217.61
33 05 84 00-0086	EA >21" To 30" Pipe, Bentonite Collar At Manhole Connection.....		343.44
33 05 84 00-0087	EA >30" To 36" Pipe, Bentonite Collar At Manhole Connection.....		801.17
33 05 84 00-0088	EA >36" To 48" Pipe, Bentonite Collar At Manhole Connection.....		1,260.14
33 05 84 00-0089	EA >48" To 60" Pipe, Bentonite Collar At Manhole Connection.....		2,291.51
<b>33 05 84 00-0090</b>	<b>Waste Water Collection System Taps</b> <small>(33 05 84)</small>		
	Note: For tapping existing structures only. Includes grout.		
<b>33 05 84 00-0091</b>	<b>Brick Manhole Taps</b> <small>(33 05 84 00-0090)</small>		
33 05 84 00-0092	EA 4" Tap In 6" Brick Manhole.....		502.10
33 05 84 00-0093	EA 6" Tap In 6" Brick Manhole.....		560.74
33 05 84 00-0094	EA 8" Tap In 6" Brick Manhole.....		618.33
33 05 84 00-0095	EA 10" Tap In 6" Brick Manhole.....		675.80
33 05 84 00-0096	EA 12" Tap In 6" Brick Manhole.....		746.00
33 05 84 00-0097	EA 15" Tap In 6" Brick Manhole.....		803.35
<b>33 05 84 00-0098</b>	<b>Precast Concrete Manhole Tap</b> <small>(33 05 84 00-0090)</small>		
33 05 84 00-0099	EA 4" Tap In Existing Precast Concrete Manhole.....		736.43
33 05 84 00-0100	EA 6" Tap In Existing Precast Concrete Manhole.....		824.38
33 05 84 00-0101	EA 8" Tap In Existing Precast Concrete Manhole.....		922.79
33 05 84 00-0102	EA 10" Tap In Existing Precast Concrete Manhole.....		1,009.00
33 05 84 00-0103	EA 12" Tap In Existing Precast Concrete Manhole.....		1,095.04
33 05 84 00-0104	EA 15" Tap In Existing Precast Concrete Manhole.....		1,183.16
33 05 84 00-0105	EA 18" Tap In Existing Precast Concrete Manhole.....		1,365.35
33 05 84 00-0106	EA 24" Tap In Existing Precast Concrete Manhole.....		1,757.45
<b>33 05 97 Identification and Signage for Utilities</b> <small>(33 05)</small>			
<b>33 05 97 23 Utility Identification Warning Tape</b> <small>(33 05 97)</small>			
<b>33 05 97 23-0001</b>	<b>Non-Detectable Utility Warning Tape</b> <small>(33 05 97 23)</small>		
	Note: Labor installation is included with pipe and excavation..		
33 05 97 23-0002	CLF 3" Non-Detectable Utility Warning Tape.....		7.42
33 05 97 23-0003	CLF 6" Non-Detectable Utility Warning Tape.....		10.60
<b>33 05 97 23-0004</b>	<b>Detectable Utility Warning Tape</b> <small>(33 05 97 23)</small>		
	Note: Labor installation is included with pipe and excavation..		
33 05 97 23-0005	CLF 2" Detectable Utility Warning Tape.....		7.58
33 05 97 23-0006	CLF 3" Detectable Utility Warning Tape.....		10.47
33 05 97 23-0007	CLF 6" Detectable Utility Warning Tape.....		17.01

**33 10 Water Utilities** (33)**33 11 Groundwater Sources** (33 10)**33 11 13 Potable Water Supply Wells** (33 11)



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0001 Drill And Test Water Well <small>(33 11 13)</small>		
33 11 13 00-0002 Drill Hole <small>(33 11 13 00-0001)</small> Note: Excludes loading and hauling of spoils.		
33 11 13 00-0003 Mobilization And Demobilization <small>(33 11 13 00-0002)</small>		
33 11 13 00-0004 EA Up To 12" Diameter, Well Drilling Mobilization And Demobilization.....	996.82	
33 11 13 00-0005 EA >12" To 24" Diameter, Well Drilling Mobilization And Demobilization.....	1,214.55	
33 11 13 00-0006 EA >24" To 36" Diameter, Well Drilling Mobilization And Demobilization.....	1,821.82	
33 11 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B. <small>(33 11 13 00-0002)</small> Note: Excludes well casing, gravel or materials.		
33 11 13 00-0008 LF Up To 6" Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	23.53	
For >100 To 250, Add	0.59	
For >250 To 400, Add	1.18	
For >400 To 600, Add	1.76	
For >600 To 750, Add	2.35	
For >750, Add	2.94	
33 11 13 00-0009 LF 8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	27.93	
For >100 To 250, Add	0.70	
For >250 To 400, Add	1.40	
For >400 To 600, Add	2.09	
For >600 To 750, Add	2.79	
For >750, Add	3.49	
33 11 13 00-0010 LF 10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	37.34	
For >100 To 250, Add	0.93	
For >250 To 400, Add	1.87	
For >400 To 600, Add	2.80	
For >600 To 750, Add	3.73	
For >750, Add	4.67	
33 11 13 00-0011 LF 12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	58.45	
For >100 To 250, Add	1.46	
For >250 To 400, Add	2.92	
For >400 To 600, Add	4.38	
For >600 To 750, Add	5.85	
For >750, Add	7.31	
33 11 13 00-0012 LF 14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	84.11	
For >100 To 250, Add	2.10	
For >250 To 400, Add	4.21	
For >400 To 600, Add	6.31	
For >600 To 750, Add	8.41	
For >750, Add	10.51	
33 11 13 00-0013 LF 16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	109.91	
For >100 To 250, Add	2.75	
For >250 To 400, Add	5.50	
For >400 To 600, Add	8.24	
For >600 To 750, Add	10.99	
For >750, Add	13.74	
33 11 13 00-0014 LF 18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	130.57	
For >100 To 250, Add	3.26	
For >250 To 400, Add	6.53	
For >400 To 600, Add	9.79	
For >600 To 750, Add	13.06	
For >750, Add	16.32	
33 11 13 00-0015 LF 20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	151.82	
For >100 To 250, Add	3.80	
For >250 To 400, Add	7.59	
For >400 To 600, Add	11.39	
For >600 To 750, Add	15.18	
For >750, Add	18.98	
33 11 13 00-0016 LF 22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	178.38	
For >100 To 250, Add	4.46	
For >250 To 400, Add	8.92	
For >400 To 600, Add	13.38	
For >600 To 750, Add	17.84	
For >750, Add	22.30	
33 11 13 00-0017 LF 24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	210.27	
For >100 To 250, Add	5.26	
For >250 To 400, Add	10.51	
For >400 To 600, Add	15.77	
For >600 To 750, Add	21.03	
For >750, Add	26.28	
33 11 13 00-0018 LF 26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	227.27	
For >100 To 250, Add	5.68	
For >250 To 400, Add	11.36	
For >400 To 600, Add	17.05	
For >600 To 750, Add	22.73	
For >750, Add	28.41	
33 11 13 00-0019 LF 28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	250.04	
For >100 To 250, Add	6.25	
For >250 To 400, Add	12.50	
For >400 To 600, Add	18.75	
For >600 To 750, Add	25.00	
For >750, Add	31.26	

<b>33</b>	<b>Utilities</b>
<b>33 10</b>	<b>Water Utilities</b>
<b>33 11</b>	<b>Groundwater Sources</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0020 LF 30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	273.88	
For >100 To 250, Add	6.85	
For >250 To 400, Add	13.69	
For >400 To 600, Add	20.54	
For >600 To 750, Add	27.39	
For >750, Add	34.24	
33 11 13 00-0021 LF 36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	340.68	
For >100 To 250, Add	8.52	
For >250 To 400, Add	17.03	
For >400 To 600, Add	25.55	
For >600 To 750, Add	34.07	
For >750, Add	42.59	
<b>33 11 13 00-0022 Drill Hole In Sedimentary Rock</b> <small>(33 11 13 00-0002)</small>		
33 11 13 00-0023 LF 6" Water Well Hole Drilled In Sedimentary Rock .....	47.97	
For >100 To 250, Add	1.20	
For >250 To 400, Add	2.40	
For >400 To 600, Add	3.60	
For >600 To 750, Add	4.80	
For >750, Add	6.00	
33 11 13 00-0024 LF 8" Water Well Hole Drilled In Sedimentary Rock .....	55.87	
For >100 To 250, Add	1.40	
For >250 To 400, Add	2.79	
For >400 To 600, Add	4.19	
For >600 To 750, Add	5.59	
For >750, Add	6.98	
33 11 13 00-0025 LF 10" Water Well Hole Drilled In Sedimentary Rock .....	89.46	
For >100 To 250, Add	2.24	
For >250 To 400, Add	4.47	
For >400 To 600, Add	6.71	
For >600 To 750, Add	8.95	
For >750, Add	11.18	
33 11 13 00-0026 LF 12" Water Well Hole Drilled In Sedimentary Rock .....	116.96	
For >100 To 250, Add	2.92	
For >250 To 400, Add	5.85	
For >400 To 600, Add	8.77	
For >600 To 750, Add	11.70	
For >750, Add	14.62	
33 11 13 00-0027 LF 14" Water Well Hole Drilled In Sedimentary Rock .....	168.34	
For >100 To 250, Add	4.21	
For >250 To 400, Add	8.42	
For >400 To 600, Add	12.63	
For >600 To 750, Add	16.83	
For >750, Add	21.04	
33 11 13 00-0028 LF 16" Water Well Hole Drilled In Sedimentary Rock .....	219.71	
For >100 To 250, Add	5.49	
For >250 To 400, Add	10.99	
For >400 To 600, Add	16.48	
For >600 To 750, Add	21.97	
For >750, Add	27.46	
33 11 13 00-0029 LF 18" Water Well Hole Drilled In Sedimentary Rock .....	261.25	
For >100 To 250, Add	6.53	
For >250 To 400, Add	13.06	
For >400 To 600, Add	19.59	
For >600 To 750, Add	26.13	
For >750, Add	32.66	
33 11 13 00-0030 LF 20" Water Well Hole Drilled In Sedimentary Rock .....	303.15	
For >100 To 250, Add	7.58	
For >250 To 400, Add	15.16	
For >400 To 600, Add	22.74	
For >600 To 750, Add	30.32	
For >750, Add	37.89	
33 11 13 00-0031 LF 22" Water Well Hole Drilled In Sedimentary Rock .....	357.07	
For >100 To 250, Add	8.93	
For >250 To 400, Add	17.85	
For >400 To 600, Add	26.78	
For >600 To 750, Add	35.71	
For >750, Add	44.63	
33 11 13 00-0032 LF 24" Water Well Hole Drilled In Sedimentary Rock .....	412.46	
For >100 To 250, Add	10.31	
For >250 To 400, Add	20.62	
For >400 To 600, Add	30.93	
For >600 To 750, Add	41.25	
For >750, Add	51.56	
33 11 13 00-0033 LF 26" Water Well Hole Drilled In Sedimentary Rock .....	454.55	
For >100 To 250, Add	11.36	
For >250 To 400, Add	22.73	
For >400 To 600, Add	34.09	
For >600 To 750, Add	45.46	
For >750, Add	56.82	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0034 LF 28" Water Well Hole Drilled In Sedimentary Rock .....	500.09	
For >100 To 250, Add	12.50	
For >250 To 400, Add	25.00	
For >400 To 600, Add	37.51	
For >600 To 750, Add	50.01	
For >750, Add	62.51	
33 11 13 00-0035 LF 30" Water Well Hole Drilled In Sedimentary Rock .....	547.76	
For >100 To 250, Add	13.69	
For >250 To 400, Add	27.39	
For >400 To 600, Add	41.08	
For >600 To 750, Add	54.78	
For >750, Add	68.47	
33 11 13 00-0036 LF 36" Water Well Hole Drilled In Sedimentary Rock .....	681.36	
For >100 To 250, Add	17.03	
For >250 To 400, Add	34.07	
For >400 To 600, Add	51.10	
For >600 To 750, Add	68.14	
For >750, Add	85.17	
<b>33 11 13 00-0037 Drill Hole In Crystalline Rock (33 11 13 00-0002)</b> .....		
33 11 13 00-0038 LF 6" Water Well Hole Drilled In Crystalline Rock.....	98.68	
For >100 To 250, Add	2.47	
For >250 To 400, Add	4.93	
For >400 To 600, Add	7.40	
For >600 To 750, Add	9.87	
For >750, Add	12.34	
33 11 13 00-0039 LF 8" Water Well Hole Drilled In Crystalline Rock.....	113.87	
For >100 To 250, Add	2.85	
For >250 To 400, Add	5.69	
For >400 To 600, Add	8.54	
For >600 To 750, Add	11.39	
For >750, Add	14.23	
33 11 13 00-0040 LF 10" Water Well Hole Drilled In Crystalline Rock.....	130.57	
For >100 To 250, Add	3.26	
For >250 To 400, Add	6.53	
For >400 To 600, Add	9.79	
For >600 To 750, Add	13.06	
For >750, Add	16.32	
33 11 13 00-0041 LF 12" Water Well Hole Drilled In Crystalline Rock.....	165.48	
For >100 To 250, Add	4.14	
For >250 To 400, Add	8.27	
For >400 To 600, Add	12.41	
For >600 To 750, Add	16.55	
For >750, Add	20.69	
33 11 13 00-0042 LF 14" Water Well Hole Drilled In Crystalline Rock.....	214.07	
For >100 To 250, Add	5.35	
For >250 To 400, Add	10.70	
For >400 To 600, Add	16.06	
For >600 To 750, Add	21.41	
For >750, Add	26.76	
33 11 13 00-0043 LF 16" Water Well Hole Drilled In Crystalline Rock.....	311.22	
For >100 To 250, Add	7.78	
For >250 To 400, Add	15.56	
For >400 To 600, Add	23.34	
For >600 To 750, Add	31.12	
For >750, Add	38.90	
33 11 13 00-0044 LF 18" Water Well Hole Drilled In Crystalline Rock.....	370.44	
For >100 To 250, Add	9.26	
For >250 To 400, Add	18.52	
For >400 To 600, Add	27.78	
For >600 To 750, Add	37.04	
For >750, Add	46.31	
33 11 13 00-0045 LF 20" Water Well Hole Drilled In Crystalline Rock.....	429.65	
For >100 To 250, Add	10.74	
For >250 To 400, Add	21.48	
For >400 To 600, Add	32.22	
For >600 To 750, Add	42.97	
For >750, Add	53.71	
33 11 13 00-0046 LF 22" Water Well Hole Drilled In Crystalline Rock.....	505.55	
For >100 To 250, Add	12.64	
For >250 To 400, Add	25.28	
For >400 To 600, Add	37.92	
For >600 To 750, Add	50.56	
For >750, Add	63.19	
33 11 13 00-0047 LF 24" Water Well Hole Drilled In Crystalline Rock.....	584.50	
For >100 To 250, Add	14.61	
For >250 To 400, Add	29.23	
For >400 To 600, Add	43.84	
For >600 To 750, Add	58.45	
For >750, Add	73.06	

**33 11 13 00-0048 Furnish And Install Casing (33 11 13 00-0001)**  
 Note: Excludes drilling of hole.

<b>33</b>	<b>Utilities</b>
<b>33 10</b>	<b>Water Utilities</b>
<b>33 11</b>	<b>Groundwater Sources</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0049			<b>Steel Well Casing</b> <small>(33 11 13 00-0048)</small>		
33 11 13 00-0050	LF		6" Diameter, Steel Well Casing, Flush.....	41.97	
			<i>For &gt;100 To 250, Deduct</i>	-1.25	
			<i>For &gt;250 To 400, Deduct</i>	-2.30	
			<i>For &gt;400 To 600, Deduct</i>	-3.44	
			<i>For &gt;600 To 750, Deduct</i>	-4.59	
			<i>For &gt;750, Deduct</i>	-6.00	
33 11 13 00-0051	LF		8" Diameter, Steel Well Casing, Flush.....	52.18	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 400, Deduct</i>	-2.86	
			<i>For &gt;400 To 600, Deduct</i>	-4.29	
			<i>For &gt;600 To 750, Deduct</i>	-5.71	
			<i>For &gt;750, Deduct</i>	-7.46	
33 11 13 00-0052	LF		10" Diameter, Steel Well Casing, Flush.....	77.51	
			<i>For &gt;100 To 250, Deduct</i>	-2.24	
			<i>For &gt;250 To 400, Deduct</i>	-4.17	
			<i>For &gt;400 To 600, Deduct</i>	-6.26	
			<i>For &gt;600 To 750, Deduct</i>	-8.35	
			<i>For &gt;750, Deduct</i>	-10.82	
33 11 13 00-0053	LF		12" Diameter, Steel Well Casing, Flush.....	130.53	
			<i>For &gt;100 To 250, Deduct</i>	-3.62	
			<i>For &gt;250 To 400, Deduct</i>	-6.88	
			<i>For &gt;400 To 600, Deduct</i>	-10.32	
			<i>For &gt;600 To 750, Deduct</i>	-13.77	
			<i>For &gt;750, Deduct</i>	-17.67	
33 11 13 00-0054	LF		14" Diameter, Steel Well Casing, Flush.....	146.08	
			<i>For &gt;100 To 250, Deduct</i>	-4.15	
			<i>For &gt;250 To 400, Deduct</i>	-7.80	
			<i>For &gt;400 To 600, Deduct</i>	-11.70	
			<i>For &gt;600 To 750, Deduct</i>	-15.60	
			<i>For &gt;750, Deduct</i>	-20.14	
33 11 13 00-0055	LF		16" Diameter, Steel Well Casing, Flush.....	171.38	
			<i>For &gt;100 To 250, Deduct</i>	-4.90	
			<i>For &gt;250 To 400, Deduct</i>	-9.18	
			<i>For &gt;400 To 600, Deduct</i>	-13.77	
			<i>For &gt;600 To 750, Deduct</i>	-18.37	
			<i>For &gt;750, Deduct</i>	-23.76	
33 11 13 00-0056	LF		18" Diameter, Steel Well Casing, Flush.....	195.30	
			<i>For &gt;100 To 250, Deduct</i>	-5.66	
			<i>For &gt;250 To 400, Deduct</i>	-10.54	
			<i>For &gt;400 To 600, Deduct</i>	-15.81	
			<i>For &gt;600 To 750, Deduct</i>	-21.08	
			<i>For &gt;750, Deduct</i>	-27.35	
33 11 13 00-0057	LF		20" Diameter, Steel Well Casing, Flush.....	222.42	
			<i>For &gt;100 To 250, Deduct</i>	-6.51	
			<i>For &gt;250 To 400, Deduct</i>	-12.07	
			<i>For &gt;400 To 600, Deduct</i>	-18.11	
			<i>For &gt;600 To 750, Deduct</i>	-24.14	
			<i>For &gt;750, Deduct</i>	-31.42	
33 11 13 00-0058	LF		24" Diameter, Steel Well Casing, Flush.....	260.10	
			<i>For &gt;100 To 250, Deduct</i>	-7.57	
			<i>For &gt;250 To 400, Deduct</i>	-14.08	
			<i>For &gt;400 To 600, Deduct</i>	-21.11	
			<i>For &gt;600 To 750, Deduct</i>	-28.15	
			<i>For &gt;750, Deduct</i>	-36.58	
33 11 13 00-0059	LB		Steel Well Casing, Furnish And Install.....	1.34	
			<i>For &gt;100 To 250, Deduct</i>	-0.05	
			<i>For &gt;250 To 400, Deduct</i>	-0.08	
			<i>For &gt;400 To 600, Deduct</i>	-0.12	
			<i>For &gt;600 To 750, Deduct</i>	-0.16	
			<i>For &gt;750, Deduct</i>	-0.22	
33 11 13 00-0060			<b>Stainless Steel Well Casing, Flush Threaded</b> <small>(33 11 13 00-0048)</small>		
33 11 13 00-0061	LF		6" Diameter, Stainless Steel Well Casing, Flush.....	89.23	
			<i>For &gt;100 To 250, Deduct</i>	-2.43	
			<i>For &gt;250 To 400, Deduct</i>	-4.66	
			<i>For &gt;400 To 600, Deduct</i>	-6.99	
			<i>For &gt;600 To 750, Deduct</i>	-9.32	
			<i>For &gt;750, Deduct</i>	-11.91	
33 11 13 00-0062	LF		8" Diameter, Stainless Steel Well Casing, Flush.....	134.39	
			<i>For &gt;100 To 250, Deduct</i>	-3.61	
			<i>For &gt;250 To 400, Deduct</i>	-6.97	
			<i>For &gt;400 To 600, Deduct</i>	-10.45	
			<i>For &gt;600 To 750, Deduct</i>	-13.93	
			<i>For &gt;750, Deduct</i>	-17.74	
33 11 13 00-0063	LF		10" Diameter, Stainless Steel Well Casing, Flush.....	187.99	
			<i>For &gt;100 To 250, Deduct</i>	-5.02	
			<i>For &gt;250 To 400, Deduct</i>	-9.72	
			<i>For &gt;400 To 600, Deduct</i>	-14.57	
			<i>For &gt;600 To 750, Deduct</i>	-19.43	
			<i>For &gt;750, Deduct</i>	-24.70	





<b>Utilities</b>	<b>33</b>	<b>CS</b>
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0064 LF 12" Diameter, Stainless Steel Well Casing, Flush .....	218.57	
<i>For &gt;100 To 250, Deduct</i>	-5.84	
<i>For &gt;250 To 400, Deduct</i>	-11.31	
<i>For &gt;400 To 600, Deduct</i>	-16.96	
<i>For &gt;600 To 750, Deduct</i>	-22.61	
<i>For &gt;750, Deduct</i>	-28.75	
<b>33 11 13 00-0065 Stainless Steel Well Casing, Welded Ring</b> <small>(33 11 13 00-0048)</small>		
33 11 13 00-0066 LF 10" Diameter, Stainless Steel Well Casing, Welded .....	197.51	
<i>For &gt;100 To 250, Deduct</i>	-5.49	
<i>For &gt;250 To 400, Deduct</i>	-10.43	
<i>For &gt;400 To 600, Deduct</i>	-15.65	
<i>For &gt;600 To 750, Deduct</i>	-20.86	
<i>For &gt;750, Deduct</i>	-26.80	
33 11 13 00-0067 LF 12" Diameter, Stainless Steel Well Casing, Welded .....	228.88	
<i>For &gt;100 To 250, Deduct</i>	-6.36	
<i>For &gt;250 To 400, Deduct</i>	-12.08	
<i>For &gt;400 To 600, Deduct</i>	-18.12	
<i>For &gt;600 To 750, Deduct</i>	-24.16	
<i>For &gt;750, Deduct</i>	-31.02	
33 11 13 00-0068 LF 14" Diameter, Stainless Steel Well Casing, Welded .....	275.43	
<i>For &gt;100 To 250, Deduct</i>	-7.60	
<i>For &gt;250 To 400, Deduct</i>	-14.49	
<i>For &gt;400 To 600, Deduct</i>	-21.73	
<i>For &gt;600 To 750, Deduct</i>	-28.97	
<i>For &gt;750, Deduct</i>	-37.14	
33 11 13 00-0069 LF 16" Diameter, Stainless Steel Well Casing, Welded .....	315.42	
<i>For &gt;100 To 250, Deduct</i>	-8.70	
<i>For &gt;250 To 400, Deduct</i>	-16.58	
<i>For &gt;400 To 600, Deduct</i>	-24.88	
<i>For &gt;600 To 750, Deduct</i>	-33.17	
<i>For &gt;750, Deduct</i>	-42.52	
33 11 13 00-0070 LF 18" Diameter, Stainless Steel Well Casing, Welded .....	348.03	
<i>For &gt;100 To 250, Deduct</i>	-9.63	
<i>For &gt;250 To 400, Deduct</i>	-18.33	
<i>For &gt;400 To 600, Deduct</i>	-27.50	
<i>For &gt;600 To 750, Deduct</i>	-36.67	
<i>For &gt;750, Deduct</i>	-47.04	
33 11 13 00-0071 LF 20" Diameter, Stainless Steel Well Casing, Welded .....	456.91	
<i>For &gt;100 To 250, Deduct</i>	-12.53	
<i>For &gt;250 To 400, Deduct</i>	-23.96	
<i>For &gt;400 To 600, Deduct</i>	-35.93	
<i>For &gt;600 To 750, Deduct</i>	-47.91	
<i>For &gt;750, Deduct</i>	-61.33	
33 11 13 00-0072 LF 24" Diameter, Stainless Steel Well Casing, Welded .....	602.59	
<i>For &gt;100 To 250, Deduct</i>	-16.45	
<i>For &gt;250 To 400, Deduct</i>	-31.52	
<i>For &gt;400 To 600, Deduct</i>	-47.28	
<i>For &gt;600 To 750, Deduct</i>	-63.03	
<i>For &gt;750, Deduct</i>	-80.60	
<b>33 11 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80</b> <small>(33 11 13 00-0048)</small>		
33 11 13 00-0074 LF 6" Polyvinyl Chloride (PVC) Well Casing .....	38.70	
<i>For &gt;100 To 250, Deduct</i>	-1.13	
<i>For &gt;250 To 400, Deduct</i>	-2.09	
<i>For &gt;400 To 600, Deduct</i>	-3.14	
<i>For &gt;600 To 750, Deduct</i>	-4.19	
<i>For &gt;750, Deduct</i>	-5.44	
33 11 13 00-0075 LF 8" Polyvinyl Chloride (PVC) Well Casing .....	61.43	
<i>For &gt;100 To 250, Deduct</i>	-1.78	
<i>For &gt;250 To 400, Deduct</i>	-3.32	
<i>For &gt;400 To 600, Deduct</i>	-4.98	
<i>For &gt;600 To 750, Deduct</i>	-6.64	
<i>For &gt;750, Deduct</i>	-8.62	
33 11 13 00-0076 LF 10" Polyvinyl Chloride (PVC) Well Casing .....	92.85	
<i>For &gt;100 To 250, Deduct</i>	-2.70	
<i>For &gt;250 To 400, Deduct</i>	-5.02	
<i>For &gt;400 To 600, Deduct</i>	-7.53	
<i>For &gt;600 To 750, Deduct</i>	-10.04	
<i>For &gt;750, Deduct</i>	-13.04	
33 11 13 00-0077 LF 12" Polyvinyl Chloride (PVC) Well Casing .....	109.60	
<i>For &gt;100 To 250, Deduct</i>	-3.20	
<i>For &gt;250 To 400, Deduct</i>	-5.94	
<i>For &gt;400 To 600, Deduct</i>	-8.90	
<i>For &gt;600 To 750, Deduct</i>	-11.87	
<i>For &gt;750, Deduct</i>	-15.43	
<b>33 11 13 00-0078 Furnish And Install Well Screen Assembly</b> <small>(33 11 13 00-0001)</small>		
<b>33 11 13 00-0079 Stainless Steel Well Screen</b> <small>(33 11 13 00-0078)</small>		

<b>33</b>	<b>Utilities</b>
<b>33 10</b>	<b>Water Utilities</b>
<b>33 11</b>	<b>Groundwater Sources</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0080	LF		2" Stainless Steel Well Screen.....	26.54	1.59
			<i>For &gt;100 To 250, Deduct</i>	-0.87	
			<i>For &gt;250 To 400, Deduct</i>	-1.53	
			<i>For &gt;400 To 600, Deduct</i>	-2.30	
			<i>For &gt;600 To 750, Deduct</i>	-3.06	
			<i>For &gt;750, Deduct</i>	-4.09	
33 11 13 00-0081	LF		3" Stainless Steel Well Screen.....	43.03	1.59
			<i>For &gt;100 To 250, Deduct</i>	-1.30	
			<i>For &gt;250 To 400, Deduct</i>	-2.37	
			<i>For &gt;400 To 600, Deduct</i>	-3.56	
			<i>For &gt;600 To 750, Deduct</i>	-4.74	
			<i>For &gt;750, Deduct</i>	-6.21	
33 11 13 00-0082	LF		4" Stainless Steel Well Screen.....	54.04	2.38
			<i>For &gt;100 To 250, Deduct</i>	-1.63	
			<i>For &gt;250 To 400, Deduct</i>	-2.98	
			<i>For &gt;400 To 600, Deduct</i>	-4.47	
			<i>For &gt;600 To 750, Deduct</i>	-5.96	
			<i>For &gt;750, Deduct</i>	-7.81	
33 11 13 00-0083	LF		5" Stainless Steel Well Screen.....	68.51	2.38
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 400, Deduct</i>	-3.76	
			<i>For &gt;400 To 600, Deduct</i>	-5.63	
			<i>For &gt;600 To 750, Deduct</i>	-7.51	
			<i>For &gt;750, Deduct</i>	-9.82	
33 11 13 00-0084	LF		6" Stainless Steel Well Screen.....	81.75	3.17
			<i>For &gt;100 To 250, Deduct</i>	-2.48	
			<i>For &gt;250 To 400, Deduct</i>	-4.53	
			<i>For &gt;400 To 600, Deduct</i>	-6.79	
			<i>For &gt;600 To 750, Deduct</i>	-9.06	
			<i>For &gt;750, Deduct</i>	-11.89	
33 11 13 00-0085	LF		8" Stainless Steel Well Screen.....	106.81	3.97
			<i>For &gt;100 To 250, Deduct</i>	-3.23	
			<i>For &gt;250 To 400, Deduct</i>	-5.90	
			<i>For &gt;400 To 600, Deduct</i>	-8.86	
			<i>For &gt;600 To 750, Deduct</i>	-11.81	
			<i>For &gt;750, Deduct</i>	-15.49	
33 11 13 00-0086	LF		10" Stainless Steel Well Screen.....	135.14	6.35
			<i>For &gt;100 To 250, Deduct</i>	-4.14	
			<i>For &gt;250 To 400, Deduct</i>	-7.52	
			<i>For &gt;400 To 600, Deduct</i>	-11.28	
			<i>For &gt;600 To 750, Deduct</i>	-15.03	
			<i>For &gt;750, Deduct</i>	-19.78	
33 11 13 00-0087	LF		12" Stainless Steel Well Screen.....	158.59	7.92
			<i>For &gt;100 To 250, Deduct</i>	-4.85	
			<i>For &gt;250 To 400, Deduct</i>	-8.82	
			<i>For &gt;400 To 600, Deduct</i>	-13.23	
			<i>For &gt;600 To 750, Deduct</i>	-17.64	
			<i>For &gt;750, Deduct</i>	-23.20	
33 11 13 00-0088	LF		14" Stainless Steel Well Screen.....	173.67	8.72
			<i>For &gt;100 To 250, Deduct</i>	-5.36	
			<i>For &gt;250 To 400, Deduct</i>	-9.71	
			<i>For &gt;400 To 600, Deduct</i>	-14.56	
			<i>For &gt;600 To 750, Deduct</i>	-19.41	
			<i>For &gt;750, Deduct</i>	-25.59	
33 11 13 00-0089	LF		16" Stainless Steel Well Screen.....	187.60	10.30
			<i>For &gt;100 To 250, Deduct</i>	-5.84	
			<i>For &gt;250 To 400, Deduct</i>	-10.53	
			<i>For &gt;400 To 600, Deduct</i>	-15.79	
			<i>For &gt;600 To 750, Deduct</i>	-21.06	
			<i>For &gt;750, Deduct</i>	-27.82	
33 11 13 00-0090	LF		18" Stainless Steel Well Screen.....	224.85	11.89
			<i>For &gt;100 To 250, Deduct</i>	-7.04	
			<i>For &gt;250 To 400, Deduct</i>	-12.66	
			<i>For &gt;400 To 600, Deduct</i>	-18.99	
			<i>For &gt;600 To 750, Deduct</i>	-25.32	
			<i>For &gt;750, Deduct</i>	-33.49	
33 11 13 00-0091	LF		20" Stainless Steel Well Screen.....	283.65	15.06
			<i>For &gt;100 To 250, Deduct</i>	-8.87	
			<i>For &gt;250 To 400, Deduct</i>	-15.96	
			<i>For &gt;400 To 600, Deduct</i>	-23.94	
			<i>For &gt;600 To 750, Deduct</i>	-31.92	
			<i>For &gt;750, Deduct</i>	-42.22	
33 11 13 00-0092	LF		24" Stainless Steel Well Screen.....	367.74	19.82
			<i>For &gt;100 To 250, Deduct</i>	-11.53	
			<i>For &gt;250 To 400, Deduct</i>	-20.72	
			<i>For &gt;400 To 600, Deduct</i>	-31.08	
			<i>For &gt;600 To 750, Deduct</i>	-41.44	
			<i>For &gt;750, Deduct</i>	-54.83	
33 11 13 00-0093	LF		26" Stainless Steel Well Screen.....	424.45	22.99
			<i>For &gt;100 To 250, Deduct</i>	-13.25	
			<i>For &gt;250 To 400, Deduct</i>	-23.87	
			<i>For &gt;400 To 600, Deduct</i>	-35.80	
			<i>For &gt;600 To 750, Deduct</i>	-47.73	
			<i>For &gt;750, Deduct</i>	-63.10	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 11 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40</b> <small>(33 11 13 00-0078)</small>			
33 11 13 00-0095	LF 1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	12.82	
	<i>For &gt;100 To 250, Deduct</i>	-0.48	
	<i>For &gt;250 To 400, Deduct</i>	-0.80	
	<i>For &gt;400 To 600, Deduct</i>	-1.20	
	<i>For &gt;600 To 750, Deduct</i>	-1.60	
	<i>For &gt;750, Deduct</i>	-2.21	
	<i>For Schedule 80, Add</i>	2.58	
33 11 13 00-0096	LF 1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	14.53	
	<i>For &gt;100 To 250, Deduct</i>	-0.53	
	<i>For &gt;250 To 400, Deduct</i>	-0.90	
	<i>For &gt;400 To 600, Deduct</i>	-1.35	
	<i>For &gt;600 To 750, Deduct</i>	-1.79	
	<i>For &gt;750, Deduct</i>	-2.46	
	<i>For Schedule 80, Add</i>	3.09	
33 11 13 00-0097	LF 2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	21.18	
	<i>For &gt;100 To 250, Deduct</i>	-0.83	
	<i>For &gt;250 To 400, Deduct</i>	-1.36	
	<i>For &gt;400 To 600, Deduct</i>	-2.04	
	<i>For &gt;600 To 750, Deduct</i>	-2.73	
	<i>For &gt;750, Deduct</i>	-3.80	
	<i>For Schedule 80, Add</i>	3.60	
33 11 13 00-0098	LF 3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	29.88	
	<i>For &gt;100 To 250, Deduct</i>	-1.08	
	<i>For &gt;250 To 400, Deduct</i>	-1.82	
	<i>For &gt;400 To 600, Deduct</i>	-2.73	
	<i>For &gt;600 To 750, Deduct</i>	-3.65	
	<i>For &gt;750, Deduct</i>	-4.98	
	<i>For Schedule 80, Add</i>	6.70	
33 11 13 00-0099	LF 4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	37.59	
	<i>For &gt;100 To 250, Deduct</i>	-1.36	
	<i>For &gt;250 To 400, Deduct</i>	-2.29	
	<i>For &gt;400 To 600, Deduct</i>	-3.44	
	<i>For &gt;600 To 750, Deduct</i>	-4.59	
	<i>For &gt;750, Deduct</i>	-6.28	
	<i>For Schedule 80, Add</i>	8.39	
33 11 13 00-0100	LF 5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	46.81	
	<i>For &gt;100 To 250, Deduct</i>	-1.66	
	<i>For &gt;250 To 400, Deduct</i>	-2.84	
	<i>For &gt;400 To 600, Deduct</i>	-4.25	
	<i>For &gt;600 To 750, Deduct</i>	-5.67	
	<i>For &gt;750, Deduct</i>	-7.73	
	<i>For Schedule 80, Add</i>	10.81	
33 11 13 00-0101	LF 6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	52.76	
	<i>For &gt;100 To 250, Deduct</i>	-1.98	
	<i>For &gt;250 To 400, Deduct</i>	-3.30	
	<i>For &gt;400 To 600, Deduct</i>	-4.95	
	<i>For &gt;600 To 750, Deduct</i>	-6.59	
	<i>For &gt;750, Deduct</i>	-9.10	
	<i>For Schedule 80, Add</i>	10.56	
33 11 13 00-0102	LF 8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	74.93	
	<i>For &gt;100 To 250, Deduct</i>	-2.72	
	<i>For &gt;250 To 400, Deduct</i>	-4.59	
	<i>For &gt;400 To 600, Deduct</i>	-6.88	
	<i>For &gt;600 To 750, Deduct</i>	-9.18	
	<i>For &gt;750, Deduct</i>	-12.57	
	<i>For Schedule 80, Add</i>	16.48	
<b>33 11 13 00-0103 Furnish And Install Gravel Pack Material</b> <small>(33 11 13 00-0001)</small>			
Note: Quantity is based on 3" space between wall and the casing or well screen.			
<b>33 11 13 00-0104 Artificial Gravel Pack</b> <small>(33 11 13 00-0103)</small>			
Note: Excludes casing.			
33 11 13 00-0105	LF Artificial Gravel Pack, 6" Casing, 2" Screen.....	15.72	
	<i>For &gt;100 To 250, Deduct</i>	-0.62	
	<i>For &gt;250 To 400, Deduct</i>	-1.01	
	<i>For &gt;400 To 600, Deduct</i>	-1.52	
	<i>For &gt;600 To 750, Deduct</i>	-2.03	
	<i>For &gt;750, Deduct</i>	-2.83	
33 11 13 00-0106	LF Artificial Gravel Pack, 8" Casing, 2" Screen.....	23.31	
	<i>For &gt;100 To 250, Deduct</i>	-0.94	
	<i>For &gt;250 To 400, Deduct</i>	-1.52	
	<i>For &gt;400 To 600, Deduct</i>	-2.28	
	<i>For &gt;600 To 750, Deduct</i>	-3.05	
	<i>For &gt;750, Deduct</i>	-4.27	
33 11 13 00-0107	LF Artificial Gravel Pack, 10" Casing, 2" Screen.....	32.65	
	<i>For &gt;100 To 250, Deduct</i>	-1.35	
	<i>For &gt;250 To 400, Deduct</i>	-2.17	
	<i>For &gt;400 To 600, Deduct</i>	-3.25	
	<i>For &gt;600 To 750, Deduct</i>	-4.33	
	<i>For &gt;750, Deduct</i>	-6.10	

<b>33</b>	<b>Utilities</b>
<b>33 10</b>	<b>Water Utilities</b>
<b>33 11</b>	<b>Groundwater Sources</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0108 LF Artificial Gravel Pack, 12" Casing, 2" Screen.....	41.73	
For >100 To 250, Deduct	-1.70	
For >250 To 400, Deduct	-2.75	
For >400 To 600, Deduct	-4.12	
For >600 To 750, Deduct	-5.50	
For >750, Deduct	-7.73	
33 11 13 00-0109 LF Artificial Gravel Pack, 14" Casing, 2" Screen.....	51.35	
For >100 To 250, Deduct	-2.07	
For >250 To 400, Deduct	-3.36	
For >400 To 600, Deduct	-5.04	
For >600 To 750, Deduct	-6.72	
For >750, Deduct	-9.42	
33 11 13 00-0110 LF Artificial Gravel Pack, 16" Casing, 2" Screen.....	66.22	
For >100 To 250, Deduct	-2.63	
For >250 To 400, Deduct	-4.29	
For >400 To 600, Deduct	-6.43	
For >600 To 750, Deduct	-8.57	
For >750, Deduct	-11.98	
33 11 13 00-0111 LF Artificial Gravel Pack, 18" Casing, 2" Screen.....	75.85	
For >100 To 250, Deduct	-3.00	
For >250 To 400, Deduct	-4.89	
For >400 To 600, Deduct	-7.34	
For >600 To 750, Deduct	-9.79	
For >750, Deduct	-13.67	
33 11 13 00-0112 LF Artificial Gravel Pack, 20" Casing, 2" Screen.....	90.28	
For >100 To 250, Deduct	-3.60	
For >250 To 400, Deduct	-5.86	
For >400 To 600, Deduct	-8.79	
For >600 To 750, Deduct	-11.72	
For >750, Deduct	-16.40	
33 11 13 00-0113 LF Artificial Gravel Pack, 24" Casing, 2" Screen.....	102.24	
For >100 To 250, Deduct	-4.10	
For >250 To 400, Deduct	-6.66	
For >400 To 600, Deduct	-9.98	
For >600 To 750, Deduct	-13.31	
For >750, Deduct	-18.65	
33 11 13 00-0114 LF Artificial Gravel Pack, 26" Casing, 2" Screen.....	109.90	
For >100 To 250, Deduct	-4.36	
For >250 To 400, Deduct	-7.11	
For >400 To 600, Deduct	-10.66	
For >600 To 750, Deduct	-14.22	
For >750, Deduct	-19.87	
33 11 13 00-0115 LF Artificial Gravel Pack, 30" Casing, 2" Screen.....	131.36	
For >100 To 250, Deduct	-5.27	
For >250 To 400, Deduct	-8.55	
For >400 To 600, Deduct	-12.83	
For >600 To 750, Deduct	-17.10	
For >750, Deduct	-23.96	
33 11 13 00-0116 LF Artificial Gravel Pack, 36" Casing, 2" Screen.....	152.62	
For >100 To 250, Deduct	-6.23	
For >250 To 400, Deduct	-10.05	
For >400 To 600, Deduct	-15.08	
For >600 To 750, Deduct	-20.10	
For >750, Deduct	-28.27	
<b>33 11 13 00-0117 Develop Well</b> <small>(33 11 13 00-0001)</small>		
Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.		
33 11 13 00-0118 HR Develop Well.....	426.88	
<b>33 11 13 00-0119 Pump Test</b> <small>(33 11 13 00-0001)</small>		
Note: To determine water level and GPM flow rate.		
33 11 13 00-0120 HR Pump Test Well.....	377.37	
<b>33 11 13 00-0121 Test Well</b> <small>(33 11 13 00-0001)</small>		
33 11 13 00-0122 VLF 2-1/2" Diameter Test Well .....	99.38	
<b>33 11 13 00-0123 Surface Seal, Concrete Filled</b> <small>(33 11 13)</small>		
33 11 13 00-0124 SF Surface Seal Well, Concrete Filled .....	32.34	
<b>33 11 13 00-0125 Other Water Well</b> <small>(33 11 13)</small>		
33 11 13 00-0126 SF Patch Hole In Well Casing .....	87.13	
33 11 13 00-0127 SF 1/2" Pressure Grout Well .....	2.32	
33 11 13 00-0128 SF 1" Pressure Grout Well .....	3.79	
33 11 13 00-0129 CF Sediment Removal In Well Casing For Existing Well.....	4.96	
<b>33 11 13 00-0130 Sterilization Of Well</b> <small>(33 11 13)</small>		
33 11 13 00-0131 EA Well Sterilization, Chlorine.....	1,441.37	



<b>Utilities</b>	<b>33</b>	<b>CSU</b>
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 11 13 00-0132	<b>Submersible Well Pumps</b> <small>(33 11 13)</small>		
	Note: Includes pump end, motor and control box.		
33 11 13 00-0133	<b>4" Submersible Well Pumps</b> <small>(33 11 13 00-0132)</small>		
33 11 13 00-0134	<b>Powder Coated Case And Cast Iron Ends</b> <small>(33 11 13 00-0133)</small>		
33 11 13 00-0135	EA 1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,310.52	440.34
33 11 13 00-0136	EA 3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,494.73	488.06
33 11 13 00-0137	EA 1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,658.87	542.30
33 11 13 00-0138	<b>Stainless Steel Case And Ends</b> <small>(33 11 13 00-0133)</small>		
33 11 13 00-0139	EA 1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,483.40	433.83
33 11 13 00-0140	EA 3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,692.51	488.06
33 11 13 00-0141	EA 1 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,898.06	542.30
33 11 13 00-0142	EA 1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,177.04	596.52
33 11 13 00-0143	EA 2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,466.65	650.75
33 11 13 00-0144	EA 3 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,038.80	759.21
33 11 13 00-0145	EA 5 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,832.37	867.67
33 11 13 00-0146	<b>6" Submersible Well Pumps</b> <small>(33 11 13 00-0132)</small>		
33 11 13 00-0147	EA 5 HP Submersible Well Pump, 6" Diameter Stainless Steel	3,699.04	1,084.58
33 11 13 00-0148	EA 7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,272.36	1,193.05
33 11 13 00-0149	EA 10 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,868.19	1,301.50
33 11 13 00-0150	EA 15 HP Submersible Well Pump, 6" Diameter Stainless Steel	5,934.11	1,518.42

**33 14 Water Utility Transmission and Distribution** (33 10)

**33 14 11 Water Utility Transmission Piping** (33 14)

See CSI section 33 14 13 00-0000 for water utility transmission piping.

**33 14 13 Public Water Utility Distribution Piping** (33 14)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

**33 14 13 13 Ductile Iron Public Water Utility Distribution Piping** (33 14 13)

**33 14 13 13-0001 Ductile Iron Piping** (33 14 13 13)

**33 14 13 13-0002 Mechanical Joint Ductile Iron Piping** (33 14 13 13-0001)

Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 13-0480 for bolts and gaskets.

**33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe** (33 14 13 13-0002)

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-0004	LF 3", Class 51, Mechanical Joint Ductile Iron Pipe	39.62	11.88
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	15.16	
	For Cement Mortar Lining (CML), Add	2.17	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	11.69	
	For Fusion Bonded Epoxy Lining (206N), Add	3.90	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.62	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-1.98	
	For Class 52, Add	6.84	
	For Class 53, Add	12.28	
	For Class 54, Add	17.49	
	For Class 55, Add	20.14	
	For Class 56, Add	22.75	
33 14 13 13-0005	LF 4", Class 50, Mechanical Joint Ductile Iron Pipe	42.94	12.64
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.65	
	For Cement Mortar Lining (CML), Add	2.38	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	12.84	
	For Fusion Bonded Epoxy Lining (206N), Add	4.28	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.78	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-2.15	
	For Class 51, Add	3.48	
	For Class 52, Add	7.50	
	For Class 53, Add	13.46	
	For Class 54, Add	19.18	
	For Class 55, Add	22.09	
	For Class 56, Add	24.94	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0006	LF		6", Class 50, Mechanical Joint Ductile Iron Pipe.....	45.89	13.27
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	18.07	
			For Cement Mortar Lining (CML), Add	2.58	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	13.94	
			For Fusion Bonded Epoxy Lining (206N), Add	4.65	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.94	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-2.29	
			For Class 51, Add	3.77	
			For Class 52, Add	8.12	
			For Class 53, Add	14.59	
			For Class 54, Add	20.79	
			For Class 55, Add	23.94	
			For Class 56, Add	27.03	
33 14 13 13-0007	LF		8", Class 50, Mechanical Joint Ductile Iron Pipe.....	53.92	13.79
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	23.11	
			For Cement Mortar Lining (CML), Add	3.30	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	17.83	
			For Fusion Bonded Epoxy Lining (206N), Add	5.94	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.48	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-2.70	
			For Class 51, Add	4.76	
			For Class 52, Add	10.27	
			For Class 53, Add	18.48	
			For Class 54, Add	26.35	
			For Class 55, Add	30.31	
			For Class 56, Add	34.21	
33 14 13 13-0008	LF		10", Class 50, Mechanical Joint Ductile Iron Pipe.....	72.53	19.52
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	25.78	
			For Cement Mortar Lining (CML), Add	4.30	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	21.48	
			For Fusion Bonded Epoxy Lining (206N), Add	7.73	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.22	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-3.63	
			For Class 51, Add	6.23	
			For Class 52, Add	13.42	
			For Class 53, Add	24.13	
			For Class 54, Add	34.40	
			For Class 55, Add	39.59	
			For Class 56, Add	44.68	
33 14 13 13-0009	LF		12", Class 50, Mechanical Joint Ductile Iron Pipe.....	87.72	21.68
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	27.44	
			For Cement Mortar Lining (CML), Add	5.49	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	21.95	
			For Fusion Bonded Epoxy Lining (206N), Add	9.88	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.12	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-4.39	
			For Class 51, Add	7.89	
			For Class 52, Add	17.01	
			For Class 53, Add	30.64	
			For Class 54, Add	43.69	
			For Class 55, Add	50.26	
			For Class 56, Add	56.70	
33 14 13 13-0010	LF		14", Class 50, Mechanical Joint Ductile Iron Pipe.....	104.99	24.34
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	29.94	
			For Cement Mortar Lining (CML), Add	6.80	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	23.13	
			For Fusion Bonded Epoxy Lining (206N), Add	12.25	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.10	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-5.25	
			For Class 51, Add	9.74	
			For Class 52, Add	21.00	
			For Class 53, Add	37.85	
			For Class 54, Add	53.99	
			For Class 55, Add	62.08	
			For Class 56, Add	70.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0011 LF 16", Class 50, Mechanical Joint Ductile Iron Pipe.....	118.52	27.89
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	31.27	
For Cement Mortar Lining (CML), Add	7.63	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	23.65	
For Fusion Bonded Epoxy Lining (206N), Add	13.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.72	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.93	
For Class 51, Add	10.92	
For Class 52, Add	23.57	
For Class 53, Add	42.46	
For Class 54, Add	60.57	
For Class 55, Add	69.65	
For Class 56, Add	78.57	
33 14 13 13-0012 LF 18", Class 50, Mechanical Joint Ductile Iron Pipe.....	147.11	32.52
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	40.11	
For Cement Mortar Lining (CML), Add	9.78	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	30.33	
For Fusion Bonded Epoxy Lining (206N), Add	17.61	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.34	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-7.36	
For Class 51, Add	13.95	
For Class 52, Add	30.10	
For Class 53, Add	54.28	
For Class 54, Add	77.44	
For Class 55, Add	89.02	
For Class 56, Add	100.40	
33 14 13 13-0013 LF 20", Class 50, Mechanical Joint Ductile Iron Pipe.....	166.87	39.02
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	40.94	
For Cement Mortar Lining (CML), Add	10.77	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	30.17	
For Fusion Bonded Epoxy Lining (206N), Add	19.39	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.08	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-8.34	
For Class 51, Add	15.42	
For Class 52, Add	33.27	
For Class 53, Add	59.96	
For Class 54, Add	85.53	
For Class 55, Add	98.35	
For Class 56, Add	110.94	
33 14 13 13-0014 LF 24", Class 50, Mechanical Joint Ductile Iron Pipe.....	218.50	48.78
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	44.82	
For Cement Mortar Lining (CML), Add	14.46	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	30.36	
For Fusion Bonded Epoxy Lining (206N), Add	26.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.84	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-10.93	
For Class 51, Add	20.63	
For Class 52, Add	44.52	
For Class 53, Add	80.26	
For Class 54, Add	114.51	
For Class 55, Add	131.64	
For Class 56, Add	148.47	
33 14 13 13-0015 LF 30", Class 50, Mechanical Joint Ductile Iron Pipe.....	282.73	52.53
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	63.21	
For Cement Mortar Lining (CML), Add	20.39	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	36.70	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.29	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-14.14	
For Class 51, Add	28.78	
For Class 52, Add	62.14	
For Class 53, Add	112.23	
For Class 54, Add	160.21	
For Class 55, Add	184.05	
For Class 56, Add	207.47	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0016 LF 36", Class 50, Mechanical Joint Ductile Iron Pipe.....	338.74	55.78
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	79.04	
For Cement Mortar Lining (CML), Add	25.50	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	45.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.12	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-16.94	
For Class 51, Add	35.80	
For Class 52, Add	77.34	
For Class 53, Add	139.78	
For Class 54, Add	199.60	
For Class 55, Add	229.23	
For Class 56, Add	258.32	
33 14 13 13-0017 LF 42", Class 50, Mechanical Joint Ductile Iron Pipe.....	417.14	59.04
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	101.82	
For Cement Mortar Lining (CML), Add	32.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	59.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.63	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-20.86	
For Class 51, Add	45.88	
For Class 52, Add	99.14	
For Class 53, Add	179.34	
For Class 54, Add	256.16	
For Class 55, Add	294.09	
For Class 56, Add	331.32	
33 14 13 13-0018 LF 48", Class 50, Mechanical Joint Ductile Iron Pipe.....	512.26	62.39
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	129.78	
For Cement Mortar Lining (CML), Add	41.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	75.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.40	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-25.61	
For Class 51, Add	58.23	
For Class 52, Add	125.88	
For Class 53, Add	227.86	
For Class 54, Add	325.53	
For Class 55, Add	373.63	
For Class 56, Add	420.85	
<b>33 14 13 13-0019 Mechanical Joint Ductile Iron 90 Degree Elbow (33 14 13 13-0002)</b>		
33 14 13 13-0020 EA 3" Mechanical Joint Ductile Iron 90 Degree Elbow .....	160.03	37.52
For Cement Mortar Lining (CML), Add	10.32	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	18.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0021 EA 4" Mechanical Joint Ductile Iron 90 Degree Elbow .....	180.21	44.84
For Cement Mortar Lining (CML), Add	11.23	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	20.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022 EA 6" Mechanical Joint Ductile Iron 90 Degree Elbow .....	283.92	66.26
For Cement Mortar Lining (CML), Add	18.36	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	33.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.77	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023 EA 8" Mechanical Joint Ductile Iron 90 Degree Elbow .....	386.18	78.59
For Cement Mortar Lining (CML), Add	26.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	48.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.03	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024 EA 10" Mechanical Joint Ductile Iron 90 Degree Elbow .....	555.91	86.52
For Cement Mortar Lining (CML), Add	42.48	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	76.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.86	
Note: ANSI/AWWA C151/A21.51		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0025 EA 12" Mechanical Joint Ductile Iron 90 Degree Elbow .....	725.73	101.51
For Cement Mortar Lining (CML), Add	57.20	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	102.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.90	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026 EA 14" Mechanical Joint Ductile Iron 90 Degree Elbow .....	1,129.85	113.82
For Cement Mortar Lining (CML), Add	95.74	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	172.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	71.81	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0027 EA 16" Mechanical Joint Ductile Iron 90 Degree Elbow .....	1,497.41	130.09
For Cement Mortar Lining (CML), Add	130.03	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	234.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	97.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028 EA 18" Mechanical Joint Ductile Iron 90 Degree Elbow .....	1,841.73	182.12
For Cement Mortar Lining (CML), Add	156.58	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	281.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	117.44	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0029 EA 20" Mechanical Joint Ductile Iron 90 Degree Elbow .....	2,528.27	227.65
For Cement Mortar Lining (CML), Add	218.34	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	393.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	163.75	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030 EA 24" Mechanical Joint Ductile Iron 90 Degree Elbow .....	3,718.49	303.14
For Cement Mortar Lining (CML), Add	325.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	586.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	244.43	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031 EA 30" Mechanical Joint Ductile Iron 90 Degree Elbow .....	5,722.81	325.21
For Cement Mortar Lining (CML), Add	523.01	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	941.41	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	392.25	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0032 EA 36" Mechanical Joint Ductile Iron 90 Degree Elbow .....	8,688.12	337.63
For Cement Mortar Lining (CML), Add	817.66	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,471.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	613.25	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0033 EA 42" Mechanical Joint Ductile Iron 90 Degree Elbow .....	14,612.48	390.26
For Cement Mortar Lining (CML), Add	1,402.12	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,523.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,051.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0034 EA 48" Mechanical Joint Ductile Iron 90 Degree Elbow .....	19,324.96	415.18
For Cement Mortar Lining (CML), Add	1,869.59	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,365.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,402.19	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-0035 Mechanical Joint Ductile Iron 45 Degree Elbow</b> (33 14 13 13-0002)		
33 14 13 13-0036 EA 3" Mechanical Joint Ductile Iron 45 Degree Elbow .....	149.40	37.52
For Cement Mortar Lining (CML), Add	9.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	16.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0037 EA 4" Mechanical Joint Ductile Iron 45 Degree Elbow .....	160.48	44.84
For Cement Mortar Lining (CML), Add	9.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	16.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.94	
Note: ANSI/AWWA C151/A21.51		

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0038 EA 6" Mechanical Joint Ductile Iron 45 Degree Elbow .....	249.02	66.26
For Cement Mortar Lining (CML), Add	14.87	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	26.76	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.15	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0039 EA 8" Mechanical Joint Ductile Iron 45 Degree Elbow .....	336.11	78.59
For Cement Mortar Lining (CML), Add	21.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	39.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0040 EA 10" Mechanical Joint Ductile Iron 45 Degree Elbow .....	448.18	86.52
For Cement Mortar Lining (CML), Add	31.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	57.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0041 EA 12" Mechanical Joint Ductile Iron 45 Degree Elbow .....	627.11	101.51
For Cement Mortar Lining (CML), Add	47.34	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	85.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0042 EA 14" Mechanical Joint Ductile Iron 45 Degree Elbow .....	917.43	113.82
For Cement Mortar Lining (CML), Add	74.50	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	134.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	55.87	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043 EA 16" Mechanical Joint Ductile Iron 45 Degree Elbow .....	1,125.68	130.09
For Cement Mortar Lining (CML), Add	92.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	167.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	69.64	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044 EA 18" Mechanical Joint Ductile Iron 45 Degree Elbow .....	1,608.07	182.12
For Cement Mortar Lining (CML), Add	133.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	239.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	99.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0045 EA 20" Mechanical Joint Ductile Iron 45 Degree Elbow .....	1,768.11	227.65
For Cement Mortar Lining (CML), Add	142.32	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	256.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	106.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0046 EA 24" Mechanical Joint Ductile Iron 45 Degree Elbow .....	2,621.49	303.14
For Cement Mortar Lining (CML), Add	216.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	389.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	162.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0047 EA 30" Mechanical Joint Ductile Iron 45 Degree Elbow .....	4,885.28	325.21
For Cement Mortar Lining (CML), Add	439.25	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	790.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	329.44	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0048 EA 36" Mechanical Joint Ductile Iron 45 Degree Elbow .....	6,934.15	337.63
For Cement Mortar Lining (CML), Add	642.27	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,156.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	481.70	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0049 EA 42" Mechanical Joint Ductile Iron 45 Degree Elbow .....	10,459.69	390.26
For Cement Mortar Lining (CML), Add	986.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,776.31	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	740.13	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0050 EA 48" Mechanical Joint Ductile Iron 45 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,560.82 1,293.18  2,327.72  969.88	415.18
<b>33 14 13 13-0051 Mechanical Joint Ductile Iron 22-1/2 Degree Elbow</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0052 EA 3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	129.68 7.28  13.11  5.46	37.52
33 14 13 13-0053 EA 4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	155.93 8.80  15.84  6.60	44.84
33 14 13 13-0054 EA 6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	236.89 13.66  24.58  10.24	66.26
33 14 13 13-0055 EA 8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	331.56 21.24  38.24  15.93	78.59
33 14 13 13-0056 EA 10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	446.66 31.56  56.81  23.67	86.52
33 14 13 13-0057 EA 12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	567.94 41.42  74.56  31.07	101.51
33 14 13 13-0058 EA 14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	926.54 75.41  135.74  56.56	113.82
33 14 13 13-0059 EA 16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,087.74 89.06  160.32  66.80	130.09
33 14 13 13-0060 EA 18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,369.86 109.40  196.91  82.05	182.12
33 14 13 13-0061 EA 20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,831.83 148.69  267.65  111.52	227.65
33 14 13 13-0062 EA 24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,454.59 199.52  359.14  149.64	303.14

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0063 EA 30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,173.67 368.09 662.57 276.07	325.21
33 14 13 13-0064 EA 36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,906.95 539.55 971.18 404.66	337.63
33 14 13 13-0065 EA 42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,737.58 814.63 1,466.33 610.97	390.26
33 14 13 13-0066 EA 48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,236.34 1,060.73 1,909.31 795.55	415.18
<b>33 14 13 13-0067 Mechanical Joint Ductile Iron 11-1/4 Degree Elbow</b> (33 14 13 13-0002)		
33 14 13 13-0068 EA 3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	129.68 7.28 13.11 5.46	37.52
33 14 13 13-0069 EA 4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	151.38 8.35 15.02 6.26	44.84
33 14 13 13-0070 EA 6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	241.44 14.11 25.40 10.58	66.26
33 14 13 13-0071 EA 8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	311.83 19.27 34.68 14.45	78.59
33 14 13 13-0072 EA 10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	443.63 31.26 56.26 23.44	86.52
33 14 13 13-0073 EA 12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	542.14 38.84 69.92 29.13	101.51
33 14 13 13-0074 EA 14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,032.75 86.03 154.85 64.52	113.82
33 14 13 13-0075 EA 16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,139.33 94.22 169.60 70.67	130.09



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0076 EA 18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,658.14 138.22 248.80 103.67	182.12
33 14 13 13-0077 EA 20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,745.35 140.05 252.08 105.03	227.65
33 14 13 13-0078 EA 24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,327.14 186.78 336.20 140.08	303.14
33 14 13 13-0079 EA 30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,240.43 374.77 674.58 281.08	325.21
33 14 13 13-0080 EA 36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,633.84 512.23 922.02 384.18	337.63
33 14 13 13-0081 EA 42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,365.84 777.45 1,399.42 583.09	390.26
33 14 13 13-0082 EA 48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,163.52 1,053.45 1,896.21 790.09	415.18
<b>33 14 13 13-0083 Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0084 EA 3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	164.58 10.77 19.39 8.08	37.52
33 14 13 13-0085 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	201.45 13.35 24.03 10.01	44.84
33 14 13 13-0086 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	321.85 22.15 39.87 16.61	66.26
33 14 13 13-0087 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	436.25 31.71 57.08 23.78	78.59

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0088 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	628.74	86.52
For Cement Mortar Lining (CML), Add	49.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	89.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.33	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0089 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	804.63	101.51
For Cement Mortar Lining (CML), Add	65.09	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	117.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.82	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0090 EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	1,383.24	113.82
For Cement Mortar Lining (CML), Add	121.08	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	217.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	90.81	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0091 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	2,114.94	130.09
For Cement Mortar Lining (CML), Add	191.78	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	345.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	143.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0092 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	2,454.71	182.12
For Cement Mortar Lining (CML), Add	217.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	392.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	163.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0093 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	3,335.46	227.65
For Cement Mortar Lining (CML), Add	299.06	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	538.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	224.29	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0094 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	4,052.29	303.14
For Cement Mortar Lining (CML), Add	359.29	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	646.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	269.47	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0095 EA 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	7,567.83	325.21
For Cement Mortar Lining (CML), Add	707.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,273.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	530.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0096 EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	13,549.49	337.63
For Cement Mortar Lining (CML), Add	1,303.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,346.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	977.85	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-0097 Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0098 EA 3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	150.92	37.52
For Cement Mortar Lining (CML), Add	9.41	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	16.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0099 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	165.04	44.84
For Cement Mortar Lining (CML), Add	9.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	17.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.28	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0100 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	265.71 16.54 29.77 12.40	66.26
33 14 13 13-0101 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	384.66 26.55 47.79 19.91	78.59
33 14 13 13-0102 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	525.56 39.45 71.01 29.59	86.52
33 14 13 13-0103 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	715.11 56.14 101.05 42.10	101.51
33 14 13 13-0104 EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,223.93 105.15 189.27 78.86	113.82
33 14 13 13-0105 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,864.59 166.75 300.15 125.06	130.09
33 14 13 13-0106 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,201.33 192.54 346.58 144.41	182.12
33 14 13 13-0107 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,859.03 251.41 452.54 188.56	227.65
33 14 13 13-0108 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,592.55 313.32 563.97 234.99	303.14
33 14 13 13-0109 EA 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,646.84 615.41 1,107.74 461.56	325.21
33 14 13 13-0110 EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,854.69 1,134.32 2,041.77 850.74	337.63
<b>33 14 13 13-0111 Mechanical Joint Ductile Iron Tee (33 14 13 13-0002)</b>		
33 14 13 13-0112 EA 3" x 3" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	261.28 17.60 31.68 13.20	56.30

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0113 EA 4" x 3" Mechanical Joint Ductile Iron Tee.....	271.31	62.91
For Cement Mortar Lining (CML), Add	17.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	31.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.20	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0114 EA 4" x 4" Mechanical Joint Ductile Iron Tee.....	247.51	66.26
For Cement Mortar Lining (CML), Add	14.72	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	26.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.04	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0115 EA 6" x 3" Mechanical Joint Ductile Iron Tee.....	329.78	83.47
For Cement Mortar Lining (CML), Add	20.33	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	36.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.25	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0116 EA 6" x 4" Mechanical Joint Ductile Iron Tee.....	379.00	86.91
For Cement Mortar Lining (CML), Add	24.73	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	44.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0117 EA 6" x 6" Mechanical Joint Ductile Iron Tee.....	412.88	97.31
For Cement Mortar Lining (CML), Add	26.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	47.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0118 EA 8" x 4" Mechanical Joint Ductile Iron Tee.....	439.38	100.72
For Cement Mortar Lining (CML), Add	28.68	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	51.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.51	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0119 EA 8" x 6" Mechanical Joint Ductile Iron Tee.....	499.04	111.06
For Cement Mortar Lining (CML), Add	33.08	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	59.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.81	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0120 EA 8" x 8" Mechanical Joint Ductile Iron Tee.....	577.78	117.99
For Cement Mortar Lining (CML), Add	39.90	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	71.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0121 EA 10" x 4" Mechanical Joint Ductile Iron Tee.....	602.94	107.54
For Cement Mortar Lining (CML), Add	44.00	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	79.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.00	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0122 EA 10" x 6" Mechanical Joint Ductile Iron Tee.....	604.07	117.30
For Cement Mortar Lining (CML), Add	42.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	76.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.98	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0123 EA 10" x 8" Mechanical Joint Ductile Iron Tee.....	686.76	123.79
For Cement Mortar Lining (CML), Add	49.92	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	89.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.44	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0124 EA 10" x 10" Mechanical Joint Ductile Iron Tee.....	767.60	130.09
For Cement Mortar Lining (CML), Add	57.05	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	102.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.79	
Note: ANSI/AWWA C151/A21.51		





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0125	EA			12" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	721.27 53.86 96.95 40.40	120.54
33 14 13 13-0126	EA			12" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	819.49 62.21 111.97 46.66	130.29
33 14 13 13-0127	EA			12" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,006.89 79.96 143.93 59.97	136.80
33 14 13 13-0128	EA			12" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,078.61 86.18 155.13 64.64	143.10
33 14 13 13-0129	EA			12" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,023.22 79.66 143.38 59.74	149.60
33 14 13 13-0130	EA			14" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,091.86 86.18 155.13 64.64	151.82
33 14 13 13-0131	EA			14" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,215.51 97.56 175.61 73.17	158.34
33 14 13 13-0132	EA			14" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,552.76 130.33 234.60 97.75	164.62
33 14 13 13-0133	EA			14" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,659.72 140.05 252.08 105.03	171.13
33 14 13 13-0134	EA			14" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,601.68 132.61 238.70 99.46	181.92
33 14 13 13-0135	EA			16" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,388.01 111.22 200.19 83.41	182.11
33 14 13 13-0136	EA			16" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,493.54 120.78 217.40 90.58	188.62

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0137 EA 16" x 10" Mechanical Joint Ductile Iron Tee.....	1,739.76	194.90
For Cement Mortar Lining (CML), Add	144.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	260.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	108.33	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0138 EA 16" x 12" Mechanical Joint Ductile Iron Tee.....	1,904.38	201.40
For Cement Mortar Lining (CML), Add	159.92	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	287.86	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	119.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0139 EA 16" x 14" Mechanical Joint Ductile Iron Tee.....	2,292.43	212.17
For Cement Mortar Lining (CML), Add	197.10	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	354.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	147.82	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0140 EA 16" x 16" Mechanical Joint Ductile Iron Tee.....	2,166.67	227.35
For Cement Mortar Lining (CML), Add	182.23	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	328.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	136.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0141 EA 18" x 6" Mechanical Joint Ductile Iron Tee.....	1,928.07	233.07
For Cement Mortar Lining (CML), Add	157.49	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	283.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	118.12	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0142 EA 18" x 8" Mechanical Joint Ductile Iron Tee.....	2,068.41	239.57
For Cement Mortar Lining (CML), Add	170.54	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	306.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	127.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0143 EA 18" x 10" Mechanical Joint Ductile Iron Tee.....	2,238.77	245.86
For Cement Mortar Lining (CML), Add	186.63	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	335.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	139.97	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0144 EA 18" x 12" Mechanical Joint Ductile Iron Tee.....	2,407.95	252.37
For Cement Mortar Lining (CML), Add	202.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	364.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	151.92	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0145 EA 18" x 14" Mechanical Joint Ductile Iron Tee.....	2,477.35	263.13
For Cement Mortar Lining (CML), Add	207.87	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	374.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	155.90	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0146 EA 18" x 16" Mechanical Joint Ductile Iron Tee.....	2,644.44	278.27
For Cement Mortar Lining (CML), Add	222.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	400.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	166.71	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0147 EA 18" x 18" Mechanical Joint Ductile Iron Tee.....	3,097.25	303.73
For Cement Mortar Lining (CML), Add	263.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	474.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	197.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0148 EA 20" x 6" Mechanical Joint Ductile Iron Tee.....	2,278.58	334.22
For Cement Mortar Lining (CML), Add	177.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	318.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	132.91	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0149 EA 20" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,327.89 181.16 326.09 135.87	340.73
33 14 13 13-0150 EA 20" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,536.18 201.04 361.87 150.78	347.01
33 14 13 13-0151 EA 20" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,743.28 220.76 397.38 165.57	353.52
33 14 13 13-0152 EA 20" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,776.28 222.43 400.38 166.82	364.28
33 14 13 13-0153 EA 20" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,817.43 224.25 403.66 168.19	379.42
33 14 13 13-0154 EA 20" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,541.84 292.84 527.10 219.63	404.90
33 14 13 13-0155 EA 20" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,120.80 243.07 437.52 182.30	455.50
33 14 13 13-0156 EA 24" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,790.96 213.18 383.72 159.88	435.07
33 14 13 13-0157 EA 24" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,828.14 215.91 388.64 161.93	442.19
33 14 13 13-0158 EA 24" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,116.84 243.83 438.89 182.87	447.85
33 14 13 13-0159 EA 24" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,194.97 250.66 451.18 187.99	454.36
33 14 13 13-0160 EA 24" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,596.67 289.19 520.55 216.90	465.12

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0161 EA 24" x 16" Mechanical Joint Ductile Iron Tee.....	3,885.13	480.26
For Cement Mortar Lining (CML), Add	315.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	568.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	236.81	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0162 EA 24" x 18" Mechanical Joint Ductile Iron Tee.....	4,415.34	505.74
For Cement Mortar Lining (CML), Add	364.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	656.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	273.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0163 EA 24" x 20" Mechanical Joint Ductile Iron Tee.....	4,894.05	556.32
For Cement Mortar Lining (CML), Add	405.11	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	729.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	303.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0164 EA 24" x 24" Mechanical Joint Ductile Iron Tee.....	4,527.40	606.77
For Cement Mortar Lining (CML), Add	360.81	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	649.46	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	270.61	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0165 EA 30" x 8" Mechanical Joint Ductile Iron Tee.....	4,848.49	513.23
For Cement Mortar Lining (CML), Add	407.09	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	732.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	305.31	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0166 EA 30" x 10" Mechanical Joint Ductile Iron Tee.....	5,108.36	519.51
For Cement Mortar Lining (CML), Add	432.12	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	777.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	324.09	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0167 EA 30" x 12" Mechanical Joint Ductile Iron Tee.....	5,368.56	526.01
For Cement Mortar Lining (CML), Add	457.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	822.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	342.87	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0168 EA 30" x 14" Mechanical Joint Ductile Iron Tee.....	5,739.92	536.78
For Cement Mortar Lining (CML), Add	492.66	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	886.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	369.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0169 EA 30" x 16" Mechanical Joint Ductile Iron Tee.....	6,142.18	714.18
For Cement Mortar Lining (CML), Add	530.59	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	955.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	397.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0170 EA 30" x 18" Mechanical Joint Ductile Iron Tee.....	6,308.23	577.40
For Cement Mortar Lining (CML), Add	543.34	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	978.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	407.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0171 EA 30" x 20" Mechanical Joint Ductile Iron Tee.....	6,562.38	627.99
For Cement Mortar Lining (CML), Add	561.09	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,009.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	420.82	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0172 EA 30" x 24" Mechanical Joint Ductile Iron Tee.....	6,895.20	678.41
For Cement Mortar Lining (CML), Add	586.73	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,056.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	440.05	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0173	EA			30" x 30" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,645.81 756.36 1,361.46 567.27	714.18
33 14 13 13-0174	EA			30" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,069.25 430.15 774.27 322.61	506.72
33 14 13 13-0175	EA			36" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,927.32 506.47 911.64 379.85	569.34
33 14 13 13-0176	EA			36" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,595.35 572.32 1,030.17 429.24	575.63
33 14 13 13-0177	EA			36" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,957.20 607.52 1,093.53 455.64	582.13
33 14 13 13-0178	EA			36" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,217.80 631.95 1,137.50 473.96	592.90
33 14 13 13-0179	EA			36" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,481.98 656.07 1,180.93 492.05	608.04
33 14 13 13-0180	EA			36" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,987.91 702.80 1,265.05 527.10	633.52
33 14 13 13-0181	EA			36" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,533.38 749.69 1,349.44 562.27	684.09
33 14 13 13-0182	EA			36" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,441.25 832.84 1,499.10 624.63	734.51
33 14 13 13-0183	EA			36" x 30" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,437.77 927.06 1,668.70 695.29	798.45
33 14 13 13-0184	EA			36" x 36" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,187.20 1,097.75 1,975.95 823.31	798.45

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0185 EA 42" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,698.97 1,276.94 2,298.50 957.71	613.49
33 14 13 13-0186 EA 42" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,973.22 1,302.74 2,344.93 977.05	624.26
33 14 13 13-0187 EA 42" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,530.13 1,456.13 2,621.04 1,092.10	639.40
33 14 13 13-0188 EA 42" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,521.80 1,351.44 2,432.59 1,013.58	664.87
33 14 13 13-0189 EA 42" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,598.43 1,351.44 2,432.59 1,013.58	715.45
33 14 13 13-0190 EA 42" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,922.15 1,376.17 2,477.11 1,032.13	765.88
33 14 13 13-0191 EA 42" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,095.97 1,688.13 3,038.63 1,266.09	801.71
33 14 13 13-0192 EA 42" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,847.05 1,758.98 3,166.17 1,319.24	829.77
33 14 13 13-0193 EA 42" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,937.44 1,865.65 3,358.16 1,399.24	845.45
33 14 13 13-0194 EA 48" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,140.13 1,513.49 2,724.28 1,135.12	663.48
33 14 13 13-0195 EA 48" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,429.55 1,540.80 2,773.44 1,155.60	674.24
33 14 13 13-0196 EA 48" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,839.40 1,579.49 2,843.08 1,184.62	689.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0197 EA 48" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,263.38 1,618.03 2,912.45 1,213.52	714.86
33 14 13 13-0198 EA 48" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,726.92 1,656.72 2,982.09 1,242.54	765.43
33 14 13 13-0199 EA 48" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,854.91 1,661.88 2,991.38 1,246.41	815.85
33 14 13 13-0200 EA 48" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,731.23 2,044.08 3,679.34 1,533.06	851.68
33 14 13 13-0201 EA 48" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,777.95 2,344.50 4,220.10 1,758.38	879.74
33 14 13 13-0202 EA 48" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	25,991.25 2,463.46 4,434.22 1,847.59	895.42
33 14 13 13-0203 EA 48" x 48" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	26,425.14 2,503.06 4,505.50 1,877.29	920.45
<b>33 14 13 13-0204 Mechanical Joint Ductile Iron Wye (Laterals) (33 14 13 13-0002)</b>		
33 14 13 13-0205 EA 4" x 3" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	224.28 12.90 23.21 9.67	62.91
33 14 13 13-0206 EA 4" x 4" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	341.58 24.13 43.43 18.09	66.22
33 14 13 13-0207 EA 6" x 3" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	329.78 20.33 36.60 15.25	83.47
33 14 13 13-0208 EA 6" x 4" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	380.51 24.88 44.79 18.66	86.91
33 14 13 13-0209 EA 6" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	511.51 36.42 65.55 27.31	97.25

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0210 EA 8" x 4" Mechanical Joint Ductile Iron Wye (Lateral) .....	654.83	100.72
For Cement Mortar Lining (CML), Add	50.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	90.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0211 EA 8" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	588.56	111.06
For Cement Mortar Lining (CML), Add	42.03	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	75.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0212 EA 8" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	709.79	117.97
For Cement Mortar Lining (CML), Add	53.11	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	95.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.83	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0213 EA 10" x 4" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,008.05	107.54
For Cement Mortar Lining (CML), Add	84.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	152.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	63.38	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0214 EA 10" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,066.84	117.30
For Cement Mortar Lining (CML), Add	88.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	160.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	66.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215 EA 10" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,225.39	123.79
For Cement Mortar Lining (CML), Add	103.78	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	186.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	77.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216 EA 10" x 10" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,379.06	130.09
For Cement Mortar Lining (CML), Add	118.20	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	212.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	88.65	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217 EA 12" x 4" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,285.70	120.54
For Cement Mortar Lining (CML), Add	110.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	198.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	82.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0218 EA 12" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,453.72	130.29
For Cement Mortar Lining (CML), Add	125.63	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	226.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	94.22	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0219 EA 12" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,750.35	136.80
For Cement Mortar Lining (CML), Add	154.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	277.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	115.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0220 EA 12" x 10" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,800.83	143.10
For Cement Mortar Lining (CML), Add	158.40	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	285.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	118.80	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0221 EA 12" x 12" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,633.17	149.58
For Cement Mortar Lining (CML), Add	140.65	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	253.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	105.49	
Note: ANSI/AWWA C151/A21.51		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0222 EA 14" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,923.32 169.33 304.79 127.00	151.82
33 14 13 13-0223 EA 14" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,200.23 196.03 352.86 147.02	158.34
33 14 13 13-0224 EA 14" x 10" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,869.76 262.03 471.66 196.53	164.62
33 14 13 13-0225 EA 14" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,073.82 281.46 506.62 211.09	171.13
33 14 13 13-0226 EA 14" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,005.17 272.96 491.33 204.72	181.88
33 14 13 13-0227 EA 16" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,978.32 170.24 306.43 127.68	182.11
33 14 13 13-0228 EA 16" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,176.32 189.05 340.30 141.79	188.62
33 14 13 13-0229 EA 16" x 10" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,563.64 226.83 408.30 170.12	194.90
33 14 13 13-0230 EA 16" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,866.34 256.12 461.01 192.09	201.40
33 14 13 13-0231 EA 16" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,583.63 326.22 587.19 244.66	212.17
33 14 13 13-0232 EA 16" x 16" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,457.88 311.35 560.42 233.51	227.32
33 14 13 13-0233 EA 18" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,110.03 275.69 496.24 206.77	233.07

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0234 EA 18" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,347.48	239.57
For Cement Mortar Lining (CML), Add	298.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	537.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	223.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0235 EA 18" x 10" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,577.02	245.86
For Cement Mortar Lining (CML), Add	320.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	576.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	240.34	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0236 EA 18" x 12" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,826.61	252.37
For Cement Mortar Lining (CML), Add	344.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	619.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	258.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0237 EA 18" x 14" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,870.22	263.13
For Cement Mortar Lining (CML), Add	347.15	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	624.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	260.37	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0238 EA 18" x 16" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,911.36	278.27
For Cement Mortar Lining (CML), Add	348.97	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	628.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	261.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239 EA 18" x 18" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,582.78	303.75
For Cement Mortar Lining (CML), Add	312.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	562.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	234.19	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0240 EA 20" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,695.72	334.22
For Cement Mortar Lining (CML), Add	318.93	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	574.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	239.20	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241 EA 20" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,776.89	340.73
For Cement Mortar Lining (CML), Add	326.06	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	586.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	244.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0242 EA 20" x 10" Mechanical Joint Ductile Iron Wye (Lateral) .....	4,144.49	347.01
For Cement Mortar Lining (CML), Add	361.87	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	651.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	271.40	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243 EA 20" x 12" Mechanical Joint Ductile Iron Wye (Lateral) .....	4,509.40	353.52
For Cement Mortar Lining (CML), Add	397.38	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	715.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	298.03	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0244 EA 20" x 14" Mechanical Joint Ductile Iron Wye (Lateral) .....	4,556.05	364.28
For Cement Mortar Lining (CML), Add	400.41	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	720.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	300.31	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245 EA 20" x 16" Mechanical Joint Ductile Iron Wye (Lateral) .....	4,610.85	379.42
For Cement Mortar Lining (CML), Add	403.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	726.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	302.70	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0246	EA			20" x 18" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,338.30 472.48 850.47 354.36	404.90
33 14 13 13-0247	EA			20" x 20" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,065.96 437.58 787.65 328.19	455.48
33 14 13 13-0248	EA			24" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,496.38 383.72 690.70 287.79	435.07
33 14 13 13-0249	EA			24" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,554.80 388.58 699.44 291.43	441.57
33 14 13 13-0250	EA			24" x 10" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,066.54 438.80 789.83 329.10	447.85
33 14 13 13-0251	EA			24" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,300.95 461.25 830.26 345.94	454.36
33 14 13 13-0252	EA			24" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,112.32 540.76 973.37 405.57	465.12
33 14 13 13-0253	EA			24" x 16" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,786.17 605.85 1,090.53 454.39	480.26
33 14 13 13-0254	EA			24" x 18" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,589.49 682.32 1,228.18 511.74	505.74
33 14 13 13-0255	EA			24" x 20" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,338.27 749.54 1,349.16 562.15	556.32
33 14 13 13-0256	EA			24" x 24" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,413.27 649.40 1,168.91 487.05	606.74
33 14 13 13-0257	EA			30" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,232.67 846.49 1,523.68 634.87	506.72

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0258 EA 30" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	10,344.08	513.23
For Cement Mortar Lining (CML), Add	956.65	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,721.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	717.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0259 EA 30" x 10" Mechanical Joint Ductile Iron Wye (Lateral) .....	10,942.31	519.51
For Cement Mortar Lining (CML), Add	1,015.52	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,827.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	761.64	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0260 EA 30" x 12" Mechanical Joint Ductile Iron Wye (Lateral) .....	11,540.86	526.01
For Cement Mortar Lining (CML), Add	1,074.39	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,933.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	805.79	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0261 EA 30" x 14" Mechanical Joint Ductile Iron Wye (Lateral) .....	12,390.16	536.78
For Cement Mortar Lining (CML), Add	1,157.69	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,083.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	868.26	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0262 EA 30" x 16" Mechanical Joint Ductile Iron Wye (Lateral) .....	13,305.26	551.93
For Cement Mortar Lining (CML), Add	1,246.90	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,244.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	935.18	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0263 EA 30" x 18" Mechanical Joint Ductile Iron Wye (Lateral) .....	13,642.76	577.40
For Cement Mortar Lining (CML), Add	1,276.79	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,298.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	957.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0264 EA 30" x 20" Mechanical Joint Ductile Iron Wye (Lateral) .....	14,136.64	627.99
For Cement Mortar Lining (CML), Add	1,318.52	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,373.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	988.89	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0265 EA 30" x 24" Mechanical Joint Ductile Iron Wye (Lateral) .....	14,815.40	678.41
For Cement Mortar Lining (CML), Add	1,378.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,481.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,034.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0266 EA 30" x 30" Mechanical Joint Ductile Iron Wye (Lateral) .....	16,054.69	714.24
For Cement Mortar Lining (CML), Add	1,497.25	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,695.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,122.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0267 EA 36" x 12" Mechanical Joint Ductile Iron Wye (Lateral) .....	17,588.78	582.13
For Cement Mortar Lining (CML), Add	1,670.68	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,007.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,253.01	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0268 EA 36" x 14" Mechanical Joint Ductile Iron Wye (Lateral) .....	18,277.26	592.90
For Cement Mortar Lining (CML), Add	1,737.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,128.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,303.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0269 EA 36" x 16" Mechanical Joint Ductile Iron Wye (Lateral) .....	18,963.24	608.04
For Cement Mortar Lining (CML), Add	1,804.20	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,247.56	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,353.15	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0270 EA 36" x 18" Mechanical Joint Ductile Iron Wye (Lateral) .....	20,286.98	633.52
For Cement Mortar Lining (CML), Add	1,932.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,478.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,449.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0271 EA 36" x 20" Mechanical Joint Ductile Iron Wye (Lateral) .....	21,653.30	684.09
For Cement Mortar Lining (CML), Add	2,061.68	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,711.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,546.26	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0272 EA 36" x 24" Mechanical Joint Ductile Iron Wye (Lateral) .....	24,016.24	734.51
For Cement Mortar Lining (CML), Add	2,290.33	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	4,122.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,717.75	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0273 EA 36" x 30" Mechanical Joint Ductile Iron Wye (Lateral) .....	26,897.22	770.34
For Cement Mortar Lining (CML), Add	2,573.00	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	4,631.41	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,929.75	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0274 EA 36" x 36" Mechanical Joint Ductile Iron Wye (Lateral) .....	32,084.83	798.40
For Cement Mortar Lining (CML), Add	3,087.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	5,557.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,315.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0275 EA 42" x 20" Mechanical Joint Ductile Iron Wye (Lateral) .....	28,234.23	715.45
For Cement Mortar Lining (CML), Add	2,715.02	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	4,887.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,036.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0276 EA 42" x 24" Mechanical Joint Ductile Iron Wye (Lateral) .....	28,943.33	765.88
For Cement Mortar Lining (CML), Add	2,778.29	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	5,000.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,083.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0277 EA 42" x 30" Mechanical Joint Ductile Iron Wye (Lateral) .....	30,915.47	801.71
For Cement Mortar Lining (CML), Add	2,970.08	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	5,346.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,227.56	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0278 EA 42" x 36" Mechanical Joint Ductile Iron Wye (Lateral) .....	35,342.92	829.77
For Cement Mortar Lining (CML), Add	3,408.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	6,135.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,556.43	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0279 EA 42" x 42" Mechanical Joint Ductile Iron Wye (Lateral) .....	41,669.45	845.44
For Cement Mortar Lining (CML), Add	4,038.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	7,269.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3,029.14	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0280 EA 48" x 20" Mechanical Joint Ductile Iron Wye (Lateral) .....	27,860.83	765.43
For Cement Mortar Lining (CML), Add	2,670.11	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	4,806.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,002.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0281 EA 48" x 24" Mechanical Joint Ductile Iron Wye (Lateral) .....	31,548.36	815.85
For Cement Mortar Lining (CML), Add	3,031.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	5,456.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,273.42	
Note: ANSI/AWWA C151/A21.51		

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0282 EA 48" x 30" Mechanical Joint Ductile Iron Wye (Lateral) .....	33,622.15	851.68
For Cement Mortar Lining (CML), Add	3,233.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	5,819.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,424.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0283 EA 48" x 36" Mechanical Joint Ductile Iron Wye (Lateral) .....	38,315.12	879.74
For Cement Mortar Lining (CML), Add	3,698.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	6,656.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,773.66	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0284 EA 48" x 42" Mechanical Joint Ductile Iron Wye (Lateral) .....	50,067.45	895.42
For Cement Mortar Lining (CML), Add	4,871.08	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	8,767.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3,653.31	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0285 EA 48" x 48" Mechanical Joint Ductile Iron Wye (Lateral) .....	54,960.61	920.41
For Cement Mortar Lining (CML), Add	5,356.61	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	9,641.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4,017.45	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-0286 Mechanical Joint Ductile Iron Cross (33 14 13 13-0002)</b> .....		
33 14 13 13-0287 EA 3" x 3" Mechanical Joint Ductile Iron Cross .....	309.45	75.06
For Cement Mortar Lining (CML), Add	19.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	35.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0288 EA 4" x 3" Mechanical Joint Ductile Iron Cross .....	374.09	81.66
For Cement Mortar Lining (CML), Add	25.04	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	45.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0289 EA 4" x 4" Mechanical Joint Ductile Iron Cross .....	442.54	82.78
For Cement Mortar Lining (CML), Add	31.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	57.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0290 EA 6" x 3" Mechanical Joint Ductile Iron Cross .....	528.35	102.32
For Cement Mortar Lining (CML), Add	37.33	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	67.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.99	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0291 EA 6" x 4" Mechanical Joint Ductile Iron Cross .....	513.16	110.37
For Cement Mortar Lining (CML), Add	34.59	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	62.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.95	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0292 EA 6" x 6" Mechanical Joint Ductile Iron Cross .....	597.45	137.96
For Cement Mortar Lining (CML), Add	38.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	69.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0293 EA 8" x 4" Mechanical Joint Ductile Iron Cross .....	527.34	120.73
For Cement Mortar Lining (CML), Add	34.44	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	62.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.83	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0294 EA 8" x 6" Mechanical Joint Ductile Iron Cross .....	626.80	148.32
For Cement Mortar Lining (CML), Add	40.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	72.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.16	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0295 EA 8" x 8" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	663.73 42.33 76.20 31.75	158.66
33 14 13 13-0296 EA 10" x 4" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	639.66 44.91 80.84 33.68	125.77
33 14 13 13-0297 EA 10" x 6" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	733.71 50.37 90.67 37.78	151.79
33 14 13 13-0298 EA 10" x 8" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	869.89 62.51 112.52 46.88	161.55
33 14 13 13-0299 EA 10" x 10" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	941.06 67.82 122.08 50.87	173.44
33 14 13 13-0300 EA 12 x 4" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	774.42 56.75 102.14 42.56	136.59
33 14 13 13-0301 EA 12" x 6" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	900.32 65.40 117.71 49.05	162.60
33 14 13 13-0302 EA 12" x 8" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,292.92 103.18 185.72 77.38	172.37
33 14 13 13-0303 EA 12" x 10" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,311.00 103.18 185.72 77.38	184.30
33 14 13 13-0304 EA 12" x 12" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,486.71 119.11 214.39 89.33	195.13
33 14 13 13-0305 EA 14" x 6" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,521.25 125.02 225.04 93.77	178.86
33 14 13 13-0306 EA 14" x 8" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,787.90 150.21 270.38 112.66	188.62

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0307	EA	14" x 10" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,836.33 153.25 275.84 114.93	200.56
33 14 13 13-0308	EA	14" x 12" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,937.69 161.74 291.14 121.31	211.37
33 14 13 13-0309	EA	14" x 14" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,142.88 179.80 323.64 134.85	227.65
33 14 13 13-0310	EA	16" x 6" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,739.31 143.38 258.09 107.54	201.62
33 14 13 13-0311	EA	16" x 8" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,977.13 165.69 298.24 124.27	211.37
33 14 13 13-0312	EA	16" x 10" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,363.28 202.49 364.49 151.87	223.30
33 14 13 13-0313	EA	16" x 12" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,632.19 227.74 409.94 170.81	234.13
33 14 13 13-0314	EA	16" x 14" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,175.72 279.64 503.34 209.73	250.39
33 14 13 13-0315	EA	16" x 16" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,715.44 330.16 594.29 247.62	273.18
33 14 13 13-0316	EA	18" x 6" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,866.24 250.50 450.91 187.88	238.40
33 14 13 13-0317	EA	18" x 8" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,029.72 265.37 477.67 199.03	248.17
33 14 13 13-0318	EA	18" x 10" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,172.22 277.81 500.07 208.36	260.09





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0319 EA 18" x 12" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,437.44 302.70 544.85 227.02	270.93
33 14 13 13-0320 EA 18" x 14" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,006.78 357.17 642.90 267.88	287.17
33 14 13 13-0321 EA 18" x 16" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,265.81 379.62 683.32 284.72	309.92
33 14 13 13-0322 EA 18" x 18" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,470.25 394.49 710.09 295.87	346.69
33 14 13 13-0323 EA 20" x 6" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,603.09 314.99 566.98 236.24	299.11
33 14 13 13-0324 EA 20" x 8" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,768.09 330.01 594.01 247.51	308.88
33 14 13 13-0325 EA 20" x 10" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,884.79 339.87 611.77 254.90	320.82
33 14 13 13-0326 EA 20" x 12" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,148.51 364.60 656.28 273.45	331.64
33 14 13 13-0327 EA 20" x 14" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,223.20 369.61 665.30 277.21	347.90
33 14 13 13-0328 EA 20" x 16" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,101.29 453.97 817.15 340.48	370.64
33 14 13 13-0329 EA 20" x 18" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,305.73 468.84 843.91 351.63	407.44
33 14 13 13-0330 EA 20" x 20" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,745.18 503.59 906.45 377.69	468.11

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0331 EA 24" x 6" Mechanical Joint Ductile Iron Cross.....	4,907.89	374.18
For Cement Mortar Lining (CML), Add	434.09	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	781.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	325.57	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0332 EA 24" x 8" Mechanical Joint Ductile Iron Cross.....	5,023.12	383.95
For Cement Mortar Lining (CML), Add	444.11	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	799.39	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	333.08	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0333 EA 24" x 10" Mechanical Joint Ductile Iron Cross.....	5,213.86	395.87
For Cement Mortar Lining (CML), Add	461.41	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	830.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	346.05	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0334 EA 24" x 12" Mechanical Joint Ductile Iron Cross.....	5,378.95	406.71
For Cement Mortar Lining (CML), Add	476.27	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	857.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	357.21	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0335 EA 24" x 14" Mechanical Joint Ductile Iron Cross.....	5,477.93	422.95
For Cement Mortar Lining (CML), Add	483.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	870.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	362.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0336 EA 24" x 16" Mechanical Joint Ductile Iron Cross.....	5,686.89	445.71
For Cement Mortar Lining (CML), Add	501.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	902.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	375.87	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0337 EA 24" x 18" Mechanical Joint Ductile Iron Cross.....	7,504.19	482.49
For Cement Mortar Lining (CML), Add	677.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,219.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	507.99	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0338 EA 24" x 20" Mechanical Joint Ductile Iron Cross.....	7,917.86	543.21
For Cement Mortar Lining (CML), Add	709.48	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,277.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	532.11	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0339 EA 24" x 24" Mechanical Joint Ductile Iron Cross.....	8,726.50	618.29
For Cement Mortar Lining (CML), Add	778.97	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,402.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	584.23	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0340 EA 30" x 8" Mechanical Joint Ductile Iron Cross.....	9,358.33	497.52
For Cement Mortar Lining (CML), Add	860.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,548.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	645.34	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0341 EA 30" x 10" Mechanical Joint Ductile Iron Cross.....	9,544.81	509.46
For Cement Mortar Lining (CML), Add	877.29	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,579.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	657.97	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0342 EA 30" x 12" Mechanical Joint Ductile Iron Cross.....	9,728.13	520.28
For Cement Mortar Lining (CML), Add	893.98	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,609.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	670.49	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0343 EA 30" x 14" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,945.44 913.25 1,643.85 684.94	536.54
33 14 13 13-0344 EA 30" x 16" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,195.37 934.80 1,682.63 701.10	559.29
33 14 13 13-0345 EA 30" x 18" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,490.83 958.77 1,725.78 719.08	596.08
33 14 13 13-0346 EA 30" x 20" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,869.61 987.45 1,777.40 740.58	656.80
33 14 13 13-0347 EA 30" x 24" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,958.72 1,284.98 2,312.97 963.74	731.86
33 14 13 13-0348 EA 30" x 30" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,051.69 1,477.07 2,658.73 1,107.80	845.45
33 14 13 13-0349 EA 36" x 8" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,041.99 1,222.47 2,200.45 916.85	539.40
33 14 13 13-0350 EA 36" x 10" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,226.98 1,239.16 2,230.49 929.37	551.32
33 14 13 13-0351 EA 36" x 12" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,386.00 1,253.43 2,256.17 940.07	562.16
33 14 13 13-0352 EA 36" x 14" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,577.52 1,270.12 2,286.21 952.59	578.40
33 14 13 13-0353 EA 36" x 16" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,803.17 1,289.23 2,320.62 966.92	601.16
33 14 13 13-0354 EA 36" x 18" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,072.84 1,310.63 2,359.13 982.97	637.94

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0355 EA 36" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,427.33 1,336.88 2,406.38 1,002.66	698.67
33 14 13 13-0356 EA 36" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,041.77 1,386.95 2,496.50 1,040.21	773.73
33 14 13 13-0357 EA 36" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,242.13 1,889.77 3,401.59 1,417.33	887.31
33 14 13 13-0358 EA 36" x 36" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,235.55 2,082.77 3,748.99 1,562.08	929.22
33 14 13 13-0359 EA 42" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,488.99 1,660.06 2,988.10 1,245.04	586.35
33 14 13 13-0360 EA 42" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,767.91 1,885.49 3,393.87 1,414.11	602.62
33 14 13 13-0361 EA 42" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,889.48 1,694.20 3,049.55 1,270.65	625.37
33 14 13 13-0362 EA 42" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,128.80 1,712.55 3,082.60 1,284.42	662.15
33 14 13 13-0363 EA 42" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,471.16 1,737.59 3,127.66 1,303.19	722.87
33 14 13 13-0364 EA 42" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,041.59 1,783.26 3,209.87 1,337.44	797.93
33 14 13 13-0365 EA 42" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,366.36 2,298.53 4,137.35 1,723.90	911.53
33 14 13 13-0366 EA 42" x 36" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	31,796.19 3,035.17 5,463.30 2,276.38	953.38



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0367 EA 42" x 42" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	34,066.32 3,258.51 5,865.32 2,443.88	977.61
33 14 13 13-0368 EA 48" x 12" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,632.43 2,259.84 4,067.71 1,694.88	682.48
33 14 13 13-0369 EA 48" x 14" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,793.60 2,273.49 4,092.29 1,705.12	698.74
33 14 13 13-0370 EA 48" x 16" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,010.15 2,291.70 4,125.06 1,718.78	721.48
33 14 13 13-0371 EA 48" x 18" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,247.95 2,309.91 4,157.83 1,732.43	758.27
33 14 13 13-0372 EA 48" x 20" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,569.08 2,332.82 4,199.07 1,749.61	819.00
33 14 13 13-0373 EA 48" x 24" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	25,115.23 2,376.06 4,276.91 1,782.05	894.04
33 14 13 13-0374 EA 48" x 30" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	26,587.64 2,506.09 4,510.96 1,879.57	1,007.64
33 14 13 13-0375 EA 48" x 36" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	32,556.33 3,096.62 5,573.91 2,322.46	1,049.50
33 14 13 13-0376 EA 48" x 42" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	41,828.70 4,020.19 7,236.33 3,015.14	1,073.71
33 14 13 13-0377 EA 48" x 48" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	44,550.66 4,277.82 7,700.07 3,208.36	1,169.78
<b>33 14 13 13-0378 Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0002)</b>		
33 14 13 13-0379 EA 4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	149.87 8.80 15.84 6.60	40.84

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0380	EA	6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	174.66	51.18
		<i>For Cement Mortar Lining (CML), Add</i>	9.71	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	17.48	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	7.28	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0381	EA	6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	188.78	54.49
		<i>For Cement Mortar Lining (CML), Add</i>	10.62	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	19.12	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	7.97	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0382	EA	8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	238.78	61.41
		<i>For Cement Mortar Lining (CML), Add</i>	14.57	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	26.22	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	10.92	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0383	EA	8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	263.46	71.74
		<i>For Cement Mortar Lining (CML), Add</i>	15.48	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	27.86	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	11.61	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0384	EA	10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	286.90	64.17
		<i>For Cement Mortar Lining (CML), Add</i>	18.97	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	34.14	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	14.22	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0385	EA	10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	312.29	73.93
		<i>For Cement Mortar Lining (CML), Add</i>	20.03	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	36.05	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	15.02	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0386	EA	10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	341.88	80.43
		<i>For Cement Mortar Lining (CML), Add</i>	22.00	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	39.60	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	16.50	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0387	EA	12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	346.82	70.68
		<i>For Cement Mortar Lining (CML), Add</i>	23.97	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	43.15	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	17.98	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0388	EA	12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	385.88	80.43
		<i>For Cement Mortar Lining (CML), Add</i>	26.40	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	47.52	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	19.80	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0389	EA	12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	403.32	86.94
		<i>For Cement Mortar Lining (CML), Add</i>	27.16	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	48.89	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	20.37	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0390	EA	12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	441.67	93.22
		<i>For Cement Mortar Lining (CML), Add</i>	30.04	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	54.08	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	22.53	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0391	EA	14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	723.84	91.20
		<i>For Cement Mortar Lining (CML), Add</i>	58.57	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	105.42	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	43.93	
		<i>Note: ANSI/AWWA C151/A21.51</i>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0392 EA 14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	703.36	97.71
For Cement Mortar Lining (CML), Add	55.53	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	99.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.65	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0393 EA 14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	630.95	103.98
For Cement Mortar Lining (CML), Add	47.34	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	85.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0394 EA 14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	663.57	110.49
For Cement Mortar Lining (CML), Add	49.62	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	89.31	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.21	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0395 EA 16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	849.97	106.33
For Cement Mortar Lining (CML), Add	68.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	123.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	51.66	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0396 EA 16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	834.03	112.84
For Cement Mortar Lining (CML), Add	66.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	119.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	49.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0397 EA 16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	819.27	119.14
For Cement Mortar Lining (CML), Add	63.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	114.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	47.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0398 EA 16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	888.31	125.64
For Cement Mortar Lining (CML), Add	69.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	125.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	52.35	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0399 EA 16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	988.06	136.40
For Cement Mortar Lining (CML), Add	78.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	140.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	58.61	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0400 EA 18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,060.78	138.32
For Cement Mortar Lining (CML), Add	85.12	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	153.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	63.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0401 EA 18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,188.65	144.61
For Cement Mortar Lining (CML), Add	96.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	174.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	72.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0402 EA 18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,146.91	151.11
For Cement Mortar Lining (CML), Add	91.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	165.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	68.85	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0403 EA 18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,216.33	161.87
For Cement Mortar Lining (CML), Add	97.11	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	174.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	72.83	
Note: ANSI/AWWA C151/A21.51		

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0404 EA 18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,281.75	177.03
For Cement Mortar Lining (CML), Add	101.35	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	182.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	76.02	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0405 EA 20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,497.01	188.91
For Cement Mortar Lining (CML), Add	121.08	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	217.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	90.81	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0406 EA 20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,436.73	195.19
For Cement Mortar Lining (CML), Add	114.10	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	205.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	85.57	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0407 EA 20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,326.72	201.69
For Cement Mortar Lining (CML), Add	102.11	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	183.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	76.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0408 EA 20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,335.44	212.45
For Cement Mortar Lining (CML), Add	101.35	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	182.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	76.02	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0409 EA 20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,379.63	227.60
For Cement Mortar Lining (CML), Add	103.48	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	186.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	77.61	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410 EA 20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,653.40	253.07
For Cement Mortar Lining (CML), Add	127.00	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	228.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	95.25	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411 EA 24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,946.30	252.11
For Cement Mortar Lining (CML), Add	156.43	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	281.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	117.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0412 EA 24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,002.06	262.88
For Cement Mortar Lining (CML), Add	160.38	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	288.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	120.28	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413 EA 24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,046.25	278.02
For Cement Mortar Lining (CML), Add	162.50	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	292.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	121.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0414 EA 24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,013.53	303.50
For Cement Mortar Lining (CML), Add	155.37	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	279.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	116.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415 EA 24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,460.38	354.08
For Cement Mortar Lining (CML), Add	192.39	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	346.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	144.29	
Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0416 Mechanical Joint Ductile Iron Caps (33 14 13 13-0002)





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0417 EA 3" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	170.10 3.95 7.10 2.96	86.23
33 14 13 13-0418 EA 4" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	194.26 4.10 7.37 3.07	101.17
33 14 13 13-0419 EA 6" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	264.44 7.28 13.11 5.46	126.46
33 14 13 13-0420 EA 8" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	340.36 12.14 21.85 9.10	144.54
33 14 13 13-0421 EA 10" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	481.75 15.33 27.59 11.49	216.81
33 14 13 13-0422 EA 12" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	587.47 22.91 41.24 17.18	236.51
33 14 13 13-0423 EA 14" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	741.65 34.75 62.54 26.06	260.17
33 14 13 13-0424 EA 16" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	903.79 46.58 83.84 34.94	289.05
33 14 13 13-0425 EA 18" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,061.73 56.90 102.42 42.67	325.21
33 14 13 13-0426 EA 20" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,299.02 73.59 132.46 55.19	371.63
33 14 13 13-0427 EA 24" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,667.50 101.05 181.89 75.79	433.62
33 14 13 13-0428 EA 30" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,099.22 231.08 415.95 173.31	520.34

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0429 EA 36" Mechanical Joint Ductile Iron Caps.....	5,188.36	650.43
For Cement Mortar Lining (CML), Add	420.29	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	756.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	315.22	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0430 EA 42" Mechanical Joint Ductile Iron Caps.....	7,556.68	780.51
For Cement Mortar Lining (CML), Add	637.41	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,147.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	478.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0431 EA 48" Mechanical Joint Ductile Iron Caps.....	8,994.46	867.23
For Cement Mortar Lining (CML), Add	768.05	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,382.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	576.04	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-0432 Mechanical Joint Ductile Iron Plug (33 14 13 13-0002)</b>		
33 14 13 13-0433 EA 3" Mechanical Joint Ductile Iron Plug.....	176.17	86.23
For Cement Mortar Lining (CML), Add	4.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	8.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0434 EA 4" Mechanical Joint Ductile Iron Plug.....	203.36	101.17
For Cement Mortar Lining (CML), Add	5.01	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	9.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.76	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0435 EA 6" Mechanical Joint Ductile Iron Plug.....	288.72	126.46
For Cement Mortar Lining (CML), Add	9.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	17.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.28	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0436 EA 8" Mechanical Joint Ductile Iron Plug.....	364.64	144.54
For Cement Mortar Lining (CML), Add	14.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	26.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.92	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0437 EA 10" Mechanical Joint Ductile Iron Plug.....	580.37	216.81
For Cement Mortar Lining (CML), Add	25.19	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	45.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.89	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0438 EA 12" Mechanical Joint Ductile Iron Plug.....	614.78	236.51
For Cement Mortar Lining (CML), Add	25.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	46.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.23	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0439 EA 14" Mechanical Joint Ductile Iron Plug.....	916.13	260.17
For Cement Mortar Lining (CML), Add	52.19	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	93.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.15	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0440 EA 16" Mechanical Joint Ductile Iron Plug.....	504.75	289.05
For Cement Mortar Lining (CML), Add	6.68	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	12.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.01	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0441 EA 18" Mechanical Joint Ductile Iron Plug.....	1,321.18	325.21
For Cement Mortar Lining (CML), Add	82.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	149.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	62.13	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0442 EA 20" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,652.55 108.94 196.09 81.71	371.63
33 14 13 13-0443 EA 24" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,168.20 151.12 272.02 113.34	433.62
33 14 13 13-0444 EA 30" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,788.06 299.97 539.94 224.97	520.34
33 14 13 13-0445 EA 36" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,619.26 463.38 834.08 347.53	650.43
33 14 13 13-0446 EA 42" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,611.31 642.87 1,157.17 482.15	780.51
33 14 13 13-0447 EA 48" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,883.58 856.96 1,542.53 642.72	867.23
<b>33 14 13 13-0448 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0449 EA 3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	297.20 9.86 17.75 7.40	131.06
33 14 13 13-0450 EA 4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	336.14 10.62 19.12 7.97	151.76
33 14 13 13-0451 EA 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	434.59 14.72 26.49 11.04	189.69
33 14 13 13-0452 EA 8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	551.51 22.30 40.15 16.73	216.76
33 14 13 13-0453 EA 10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	881.17 38.84 69.92 29.13	325.21
33 14 13 13-0454 EA 12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,035.21 49.77 89.58 37.33	354.78

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0455 EA 14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,381.80	390.26
For Cement Mortar Lining (CML), Add	79.05	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	142.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	59.29	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0456 EA 16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,559.77	433.62
For Cement Mortar Lining (CML), Add	90.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	162.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	67.71	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0457 EA 18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,119.84	487.82
For Cement Mortar Lining (CML), Add	138.07	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	248.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	103.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0458 EA 20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,489.44	557.49
For Cement Mortar Lining (CML), Add	164.47	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	296.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	123.35	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0459 EA 24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,011.06	650.43
For Cement Mortar Lining (CML), Add	202.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	364.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	151.92	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0460 EA 30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	4,910.55	780.51
For Cement Mortar Lining (CML), Add	372.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	671.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	279.60	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0461 EA 36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	6,820.58	975.63
For Cement Mortar Lining (CML), Add	534.23	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	961.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	400.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0462 EA 42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	9,137.74	1,114.99
For Cement Mortar Lining (CML), Add	744.83	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,340.70	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	558.62	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0463 EA 48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	11,299.23	1,300.85
For Cement Mortar Lining (CML), Add	932.82	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,679.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	699.62	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-0464 Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0002)</b>		
33 14 13 13-0465 EA 3" Mechanical Joint Ductile Iron Long Sleeves.....	282.03	131.06
For Cement Mortar Lining (CML), Add	8.35	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	15.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.26	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0466 EA 4" Mechanical Joint Ductile Iron Long Sleeves.....	328.55	151.76
For Cement Mortar Lining (CML), Add	9.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	17.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.40	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0467 EA 6" Mechanical Joint Ductile Iron Long Sleeves.....	452.79	189.69
For Cement Mortar Lining (CML), Add	16.54	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	29.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.40	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0468 EA 8" Mechanical Joint Ductile Iron Long Sleeves.....	600.06	216.76
For Cement Mortar Lining (CML), Add	27.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	48.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.37	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0469 EA 10" Mechanical Joint Ductile Iron Long Sleeves.....	815.93	325.21
For Cement Mortar Lining (CML), Add	32.32	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	58.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.24	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0470 EA 12" Mechanical Joint Ductile Iron Long Sleeves.....	974.52	354.78
For Cement Mortar Lining (CML), Add	43.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	78.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.77	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0471 EA 14" Mechanical Joint Ductile Iron Long Sleeves.....	1,251.32	390.26
For Cement Mortar Lining (CML), Add	66.00	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	118.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	49.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0472 EA 16" Mechanical Joint Ductile Iron Long Sleeves.....	1,493.01	433.62
For Cement Mortar Lining (CML), Add	83.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	150.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	62.70	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0473 EA 18" Mechanical Joint Ductile Iron Long Sleeves.....	1,808.80	487.82
For Cement Mortar Lining (CML), Add	106.97	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	192.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	80.23	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0474 EA 20" Mechanical Joint Ductile Iron Long Sleeves.....	2,135.92	557.49
For Cement Mortar Lining (CML), Add	129.12	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	232.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	96.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0475 EA 24" Mechanical Joint Ductile Iron Long Sleeves.....	2,686.36	650.43
For Cement Mortar Lining (CML), Add	170.09	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	306.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	127.57	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0476 EA 30" Mechanical Joint Ductile Iron Long Sleeves.....	4,745.16	780.51
For Cement Mortar Lining (CML), Add	356.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	641.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	267.19	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0477 EA 36" Mechanical Joint Ductile Iron Long Sleeves.....	6,480.71	975.63
For Cement Mortar Lining (CML), Add	500.25	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	900.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	375.19	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0478 EA 42" Mechanical Joint Ductile Iron Long Sleeves.....	8,378.69	1,113.70
For Cement Mortar Lining (CML), Add	669.12	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,204.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	501.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0479 EA 48" Mechanical Joint Ductile Iron Long Sleeves.....	11,370.54	1,300.85
For Cement Mortar Lining (CML), Add	939.96	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,691.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	704.97	
Note: ANSI/AWWA C151/A21.51		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 13-0480	<b>Mechanical Joint Ductile Iron Gland Packs</b> <small>(33 14 13 13-0002)</small>		
	Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
33 14 13 13-0481	<b>Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts</b> <small>(33 14 13 13-0480)</small>		
	Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0482	EA 3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	30.35	
33 14 13 13-0483	EA 4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	64.06	
	Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0484	EA 6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	77.40	
	Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0485	EA 8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	90.75	
	Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0486	EA 10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	125.45	
	Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0487	EA 12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	133.46	
	Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0488	EA 14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	218.87	
	Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0489	EA 16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	232.21	
	Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0490	EA 18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	309.62	
	Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0491	EA 20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	400.37	
	Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0492	EA 24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	557.85	
	Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0493	EA 30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	1,331.89	
	Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0494	EA 36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	2,871.97	
	Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0495	EA 42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	4,193.19	
	Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.		
33 14 13 13-0496	EA 48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	5,146.06	
	Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.		
33 14 13 13-0497	<b>Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts</b> <small>(33 14 13 13-0480)</small>		
	Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0498	EA 3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	51.59	
33 14 13 13-0499	EA 4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	90.75	
	Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0500	EA 6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	114.77	
	Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0501	EA 8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	125.45	
	Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0502	EA 10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	173.49	
	Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0503	EA 12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	181.50	
	Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0504	EA 14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	274.92	
	Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0505	EA 16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	301.61	
	Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0506	EA 18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	400.37	
	Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0507	EA 20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	517.81	
	Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0508	EA 24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	723.33	
	Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0509	<b>Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts</b> <small>(33 14 13 13-0480)</small>		
	Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0510	EA 3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	33.38	
33 14 13 13-0511	EA 4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	69.40	
	Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0512	EA 6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	82.74	
	Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0513	EA 8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	98.76	
	Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0514	EA 10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	136.13	
	Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0515	EA 12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	144.13	
	Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0516	EA 14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	237.55	
	Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0517	EA 16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	250.90	
	Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0518	EA 18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	338.98	
	Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0519	EA 20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	435.07	
	Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0520 EA 24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	608.56	
Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0521 EA 30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	1,457.34	
Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0522 EA 36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	3,229.64	
Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0523 EA 42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	4,676.30	
Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.		
33 14 13 13-0524 EA 48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	5,754.62	
Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.		
<b>33 14 13 13-0525 Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series) (33 14 13 13-0002)</b>		
Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-0526 EA 3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC).....	183.26	65.74
33 14 13 13-0527 EA 4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC).....	208.84	77.86
33 14 13 13-0528 EA 6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC).....	259.09	96.36
33 14 13 13-0529 EA 8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC).....	323.83	112.45
33 14 13 13-0530 EA 10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC).....	465.71	162.60
33 14 13 13-0531 EA 12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC).....	575.60	185.86
33 14 13 13-0532 EA 14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC).....	671.87	200.05
33 14 13 13-0533 EA 16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC).....	830.92	216.81
33 14 13 13-0534 EA 18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC).....	1,067.97	260.17
33 14 13 13-0535 EA 20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC).....	1,262.33	288.95
33 14 13 13-0536 EA 24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC).....	1,643.42	333.39
33 14 13 13-0537 EA 30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC).....	3,214.94	399.81
33 14 13 13-0538 EA 36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC).....	3,969.47	500.34
33 14 13 13-0539 EA 42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC).....	5,874.24	577.30
33 14 13 13-0540 EA 48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC).....	7,522.30	742.47
<b>33 14 13 13-0541 Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®) (33 14 13 13-0002)</b>		
33 14 13 13-0542 EA 3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	4,022.88	53.80
33 14 13 13-0543 EA 4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	4,187.79	67.26
33 14 13 13-0544 EA 6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	6,076.69	99.39
33 14 13 13-0545 EA 8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	8,259.60	117.89
33 14 13 13-0546 EA 10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	10,411.63	129.79
33 14 13 13-0547 EA 12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	13,889.18	152.26
33 14 13 13-0548 EA 14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	17,111.61	170.73
33 14 13 13-0549 EA 16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	20,244.60	195.13
33 14 13 13-0550 EA 18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	22,818.20	273.18
33 14 13 13-0551 EA 20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	30,700.45	341.48
33 14 13 13-0552 EA 24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	42,541.02	455.30
<b>33 14 13 13-0553 Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series) (33 14 13 13-0002)</b>		
Note: Includes machined bolts and gasket.		
33 14 13 13-0554 EA 3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM).....	181.91	65.74
33 14 13 13-0555 EA 4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM).....	233.88	77.86
33 14 13 13-0556 EA 6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM).....	302.52	96.36
33 14 13 13-0557 EA 8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM).....	345.12	112.45
33 14 13 13-0558 EA 10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM).....	607.63	172.45
33 14 13 13-0559 EA 12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM).....	687.58	197.12
<b>33 14 13 13-0560 Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series) (33 14 13 13-0002)</b>		
Note: Includes nuts, bolts and gasket.		
33 14 13 13-0561 EA 3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300).....	266.99	65.74
33 14 13 13-0562 EA 4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400).....	332.32	77.86
33 14 13 13-0563 EA 6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600).....	460.79	96.36
33 14 13 13-0564 EA 8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800).....	667.85	112.45
33 14 13 13-0565 EA 10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000).....	966.96	172.45
33 14 13 13-0566 EA 12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200).....	1,203.32	197.12
33 14 13 13-0567 EA 14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400).....	1,859.64	212.16
33 14 13 13-0568 EA 16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600).....	2,610.31	229.93
33 14 13 13-0569 EA 18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800).....	2,951.48	275.92
33 14 13 13-0570 EA 20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000).....	3,260.19	306.44
33 14 13 13-0571 EA 24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400).....	3,945.10	353.57
33 14 13 13-0572 EA 30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000).....	5,077.46	424.02
33 14 13 13-0573 EA 36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600).....	7,590.07	530.62
33 14 13 13-0574 EA 42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200).....	19,844.81	612.25
33 14 13 13-0575 EA 48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800).....	25,418.17	787.41



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 13-0576		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping</b> <small>(33 14 13 13-0001)</small>		
		Note: . See CSI section 33 14 13 13-0480 for bolts and gaskets.		
33 14 13 13-0577		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow</b> <small>(33 14 13 13-0576)</small>		
33 14 13 13-0578	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	380.03	37.52
33 14 13 13-0579	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	454.84	44.94
33 14 13 13-0580	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	705.72	65.84
33 14 13 13-0581	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	964.26	78.38
33 14 13 13-0582	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	1,320.62	86.73
33 14 13 13-0583	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	1,674.03	101.51
33 14 13 13-0584	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	2,378.58	114.32
33 14 13 13-0585	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	2,885.72	130.09
33 14 13 13-0586	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	3,487.98	182.31
33 14 13 13-0587	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	4,347.48	227.65
33 14 13 13-0588	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	6,146.14	303.53
33 14 13 13-0589	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	9,834.64	325.21
33 14 13 13-0590	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	14,479.58	338.02
33 14 13 13-0591	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	23,849.69	390.26
33 14 13 13-0592	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	31,194.65	414.89
33 14 13 13-0593		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow</b> <small>(33 14 13 13-0576)</small>		
33 14 13 13-0594	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	363.34	37.52
33 14 13 13-0595	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	426.01	44.94
33 14 13 13-0596	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	655.65	65.84
33 14 13 13-0597	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	886.88	78.38
33 14 13 13-0598	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	1,156.75	86.73
33 14 13 13-0599	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	1,526.86	101.51
33 14 13 13-0600	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	2,062.98	114.32
33 14 13 13-0601	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	2,469.99	130.09
33 14 13 13-0602	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	2,922.04	182.31
33 14 13 13-0603	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	3,547.88	227.65
33 14 13 13-0604	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	4,675.89	303.53
33 14 13 13-0605	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	8,595.03	325.21
33 14 13 13-0606	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	11,880.48	338.02
33 14 13 13-0607	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	17,650.08	390.26
33 14 13 13-0608	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	22,591.67	414.89
33 14 13 13-0609		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow</b> <small>(33 14 13 13-0576)</small>		
33 14 13 13-0610	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	282.92	37.52
33 14 13 13-0611	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	421.46	44.94
33 14 13 13-0612	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	637.45	65.84
33 14 13 13-0613	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	880.81	78.38
33 14 13 13-0614	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	1,155.23	86.73
33 14 13 13-0615	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	1,438.86	101.51
33 14 13 13-0616	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	2,075.12	114.32
33 14 13 13-0617	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	2,415.36	130.09
33 14 13 13-0618	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	2,908.38	182.31
33 14 13 13-0619	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	3,673.81	227.65
33 14 13 13-0620	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	4,575.75	303.53
33 14 13 13-0621	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	7,649.76	325.21
33 14 13 13-0622	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	10,439.06	338.02
33 14 13 13-0623	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	14,935.67	390.26
33 14 13 13-0624	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	19,121.65	414.89
33 14 13 13-0625		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow</b> <small>(33 14 13 13-0576)</small>		
33 14 13 13-0626	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	282.92	37.52
33 14 13 13-0627	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	504.91	44.94
33 14 13 13-0628	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	643.52	65.84
33 14 13 13-0629	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	853.50	78.38
33 14 13 13-0630	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	1,152.20	86.73
33 14 13 13-0631	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	1,397.89	101.51
33 14 13 13-0632	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	2,234.43	114.32
33 14 13 13-0633	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	2,489.71	130.09
33 14 13 13-0634	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	3,339.29	182.31
33 14 13 13-0635	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	3,543.33	227.65
33 14 13 13-0636	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	4,577.27	303.53
33 14 13 13-0637	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	7,749.90	325.21
33 14 13 13-0638	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	10,152.30	338.02
33 14 13 13-0639	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	14,526.00	390.26
33 14 13 13-0640	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	19,012.40	414.89





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 14 13 13-0641</b> Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <small>(33 14 13 13-0576)</small>		
33 14 13 13-0642 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	332.99	37.52
33 14 13 13-0643 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	489.73	44.94
33 14 13 13-0644 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	763.38	65.84
33 14 13 13-0645 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	1,037.09	78.38
33 14 13 13-0646 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	1,426.83	86.73
33 14 13 13-0647 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	1,790.87	101.51
33 14 13 13-0648 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	3,217.63	114.32
33 14 13 13-0649 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	5,020.53	130.09
33 14 13 13-0650 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	5,738.11	182.31
33 14 13 13-0651 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	6,614.30	227.65
33 14 13 13-0652 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	7,153.61	303.53
<b>33 14 13 13-0653</b> Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0576)</small>		
33 14 13 13-0654 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	332.99	37.52
33 14 13 13-0655 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	432.08	44.94
33 14 13 13-0656 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	679.93	65.84
33 14 13 13-0657 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	961.23	78.38
33 14 13 13-0658 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	1,273.58	86.73
33 14 13 13-0659 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	1,657.34	101.51
33 14 13 13-0660 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	2,208.64	114.32
33 14 13 13-0661 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	2,653.58	130.09
33 14 13 13-0662 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	4,964.30	182.31
33 14 13 13-0663 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	5,209.30	227.65
33 14 13 13-0664 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	5,426.94	303.53
<b>33 14 13 13-0665</b> Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee <small>(33 14 13 13-0576)</small>		
33 14 13 13-0666 EA 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	469.15	56.30
33 14 13 13-0667 EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	511.88	63.46
33 14 13 13-0668 EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	540.34	65.84
33 14 13 13-0669 EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	769.79	83.47
33 14 13 13-0670 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	834.18	86.75
33 14 13 13-0671 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	880.21	97.20
33 14 13 13-0672 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,023.53	100.33
33 14 13 13-0673 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,107.47	110.78
33 14 13 13-0674 EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,218.08	118.10
33 14 13 13-0675 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,372.20	107.42
33 14 13 13-0676 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,370.29	117.27
33 14 13 13-0677 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,484.84	124.18
33 14 13 13-0678 EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,602.10	130.09
33 14 13 13-0679 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,651.37	120.23
33 14 13 13-0680 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,666.14	130.09
33 14 13 13-0681 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,801.94	136.98
33 14 13 13-0682 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,076.98	142.90
33 14 13 13-0683 EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,082.28	149.80
33 14 13 13-0684 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,358.78	151.77
33 14 13 13-0685 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,552.23	158.67
33 14 13 13-0686 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,097.35	164.58
33 14 13 13-0687 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,269.55	171.47
33 14 13 13-0688 EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,029.44	182.31
33 14 13 13-0689 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,821.84	182.31
33 14 13 13-0690 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,974.41	188.23
33 14 13 13-0691 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,568.08	195.13
33 14 13 13-0692 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,347.32	201.04

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 13-0693	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,366.55	211.88
33 14 13 13-0694	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,950.99	227.65
33 14 13 13-0695	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,704.80	233.56
33 14 13 13-0696	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,907.36	239.47
33 14 13 13-0697	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,164.20	245.38
33 14 13 13-0698	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,401.65	252.29
33 14 13 13-0699	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,522.65	263.13
33 14 13 13-0700	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,832.35	277.91
33 14 13 13-0701	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,394.41	303.53
33 14 13 13-0702	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,260.15	334.08
33 14 13 13-0703	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,332.22	340.98
33 14 13 13-0704	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,760.51	346.89
33 14 13 13-0705	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,994.93	353.80
33 14 13 13-0706	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,044.62	364.64
33 14 13 13-0707	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,981.07	379.42
33 14 13 13-0708	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,367.02	405.04
33 14 13 13-0709	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,430.10	455.30
33 14 13 13-0710	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,171.57	434.60
33 14 13 13-0711	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,220.89	442.49
33 14 13 13-0712	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,315.38	447.42
33 14 13 13-0713	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,455.71	454.31
33 14 13 13-0714	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,204.87	465.16
33 14 13 13-0715	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,472.09	479.93
33 14 13 13-0716	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,964.26	505.56
33 14 13 13-0717	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,222.96	556.81
33 14 13 13-0718	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,715.21	607.06
33 14 13 13-0719	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,049.07	506.54
33 14 13 13-0720	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,615.90	513.44
33 14 13 13-0721	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,106.40	519.36
33 14 13 13-0722	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,598.74	526.25
33 14 13 13-0723	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,297.83	537.10
33 14 13 13-0724	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,052.10	714.49
33 14 13 13-0725	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,002.69	577.49
33 14 13 13-0726	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,989.80	627.76
33 14 13 13-0727	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,450.08	678.02
33 14 13 13-0728	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,668.01	714.49
33 14 13 13-0729	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,339.68	569.61
33 14 13 13-0730	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,450.76	575.53
33 14 13 13-0731	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,050.82	582.43
33 14 13 13-0732	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,475.29	593.27
33 14 13 13-0733	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,901.82	608.05
33 14 13 13-0734	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,723.34	633.67
33 14 13 13-0735	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,584.41	683.93
33 14 13 13-0736	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	15,052.15	734.19
33 14 13 13-0737	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	17,000.01	798.25
33 14 13 13-0738	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	19,588.51	798.25
33 14 13 13-0739	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	22,308.02	613.97
33 14 13 13-0740	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	22,756.75	623.81
33 14 13 13-0741	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	25,028.30	639.59
33 14 13 13-0742	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	28,529.33	665.21
33 14 13 13-0743	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	28,605.96	715.47
33 14 13 13-0744	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	23,660.17	765.73
33 14 13 13-0745	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	24,083.15	802.19
33 14 13 13-0746	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	29,839.74	829.78
33 14 13 13-0747	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	31,453.60	845.55
33 14 13 13-0748	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	26,016.10	663.24
33 14 13 13-0749	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	26,483.05	674.08
33 14 13 13-0750	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	27,146.29	689.84
33 14 13 13-0751	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	27,820.62	714.49
33 14 13 13-0752	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	28,537.54	765.73
33 14 13 13-0753	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	28,698.91	815.99
33 14 13 13-0754	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	30,815.18	851.47
33 14 13 13-0755	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	24,777.95	880.05
33 14 13 13-0756	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	31,077.17	895.81
33 14 13 13-0757	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	41,409.79	920.45

**33 14 13 13-0758 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals)** (33 14 13 13-0576)

33 14 13 13-0759	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	526.22	62.91
33 14 13 13-0760	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	579.32	62.91
33 14 13 13-0761	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	679.93	65.84
33 14 13 13-0762	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	750.06	83.47
33 14 13 13-0763	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	837.22	86.75
33 14 13 13-0764	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	1,024.35	97.20
33 14 13 13-0765	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	1,346.71	100.33
33 14 13 13-0766	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	1,240.99	110.78
33 14 13 13-0767	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	1,395.60	118.10
33 14 13 13-0768	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	1,977.60	107.42
33 14 13 13-0769	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	2,059.14	117.27
33 14 13 13-0770	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	2,304.18	124.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0771 EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	2,515.50	130.09
33 14 13 13-0772 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	2,414.56	120.23
33 14 13 13-0773 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	2,738.85	130.09
33 14 13 13-0774 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	3,243.36	136.98
33 14 13 13-0775 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	3,245.28	142.90
33 14 13 13-0776 EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	2,992.65	149.80
33 14 13 13-0777 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	3,560.47	151.77
33 14 13 13-0778 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	4,095.31	158.67
33 14 13 13-0779 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	5,402.10	164.58
33 14 13 13-0780 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	5,794.31	171.47
33 14 13 13-0781 EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	5,643.72	182.31
33 14 13 13-0782 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	3,703.47	182.31
33 14 13 13-0783 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	4,092.65	188.23
33 14 13 13-0784 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	4,862.32	195.13
33 14 13 13-0785 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	5,016.32	201.04
33 14 13 13-0786 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	6,219.15	211.88
33 14 13 13-0787 EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	5,877.94	227.65
33 14 13 13-0788 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	5,252.43	233.56
33 14 13 13-0789 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	5,667.40	239.47
33 14 13 13-0790 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	6,068.39	245.38
33 14 13 13-0791 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	6,503.09	252.29
33 14 13 13-0792 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	6,567.94	263.13
33 14 13 13-0793 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	6,640.95	277.91
33 14 13 13-0794 EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	6,010.43	303.53
33 14 13 13-0795 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	6,174.96	334.08
33 14 13 13-0796 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	6,310.75	340.98
33 14 13 13-0797 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	6,957.53	346.89
33 14 13 13-0798 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	7,588.58	353.80
33 14 13 13-0799 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	7,667.99	364.64
33 14 13 13-0800 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	7,748.59	379.42
33 14 13 13-0801 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	9,010.12	405.04
33 14 13 13-0802 EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	8,467.70	455.30
33 14 13 13-0803 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	7,479.35	434.60
33 14 13 13-0804 EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	7,575.71	441.50
33 14 13 13-0805 EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	8,477.39	447.42
33 14 13 13-0806 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	8,886.28	454.31
33 14 13 13-0807 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	10,315.18	465.16
33 14 13 13-0808 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	11,495.81	479.93
33 14 13 13-0809 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	12,892.38	505.56
33 14 13 13-0810 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	14,164.63	556.81
33 14 13 13-0811 EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	12,461.26	607.06
33 14 13 13-0812 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	15,813.11	506.54
33 14 13 13-0813 EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	17,780.27	513.44
33 14 13 13-0814 EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	18,835.20	519.36
33 14 13 13-0815 EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	19,891.97	526.25
33 14 13 13-0816 EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	21,389.14	537.10
33 14 13 13-0817 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	22,997.64	551.87
33 14 13 13-0818 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	23,567.29	577.49
33 14 13 13-0819 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	24,385.87	627.76
33 14 13 13-0820 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	25,531.95	678.02
33 14 13 13-0821 EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	27,692.23	714.49
33 14 13 13-0822 EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	30,575.18	582.43
33 14 13 13-0823 EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	31,785.60	593.27
33 14 13 13-0824 EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	32,987.46	608.05
33 14 13 13-0825 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	35,309.57	633.67
33 14 13 13-0826 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	37,678.81	683.93
33 14 13 13-0827 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	41,818.49	734.19
33 14 13 13-0828 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	46,896.49	770.66
33 14 13 13-0829 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	56,083.65	798.25
33 14 13 13-0830 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	49,338.08	715.47
33 14 13 13-0831 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	50,538.78	765.73
33 14 13 13-0832 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	54,000.88	802.19
33 14 13 13-0833 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	61,837.66	829.78
33 14 13 13-0834 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	73,063.49	845.55
33 14 13 13-0835 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	48,615.71	765.73
33 14 13 13-0836 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	55,110.20	815.99
33 14 13 13-0837 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	58,752.86	851.47
33 14 13 13-0838 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	67,061.51	880.05
33 14 13 13-0839 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	87,929.65	895.81
33 14 13 13-0840 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	96,596.29	920.45

**33 14 13 13-0841**

**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee** (33 14 13 13-0576)

33 14 13 13-0842 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	936.35	97.20
33 14 13 13-0843 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,165.12	110.78
33 14 13 13-0844 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,673.75	117.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0845 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,927.11	130.09
33 14 13 13-0846 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,551.48	151.77
33 14 13 13-0847 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	3,108.69	182.31
33 14 13 13-0848 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	3,666.87	233.56
33 14 13 13-0849 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	4,926.24	334.08
33 14 13 13-0850 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	5,745.44	434.60
33 14 13 13-0851 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	10,473.80	506.54

### 33 14 13 13-0852 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross (33 14 13 13-0576)

33 14 13 13-0853 EA 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	521.87	75.06
33 14 13 13-0854 EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	653.27	81.66
33 14 13 13-0855 EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	818.83	82.57
33 14 13 13-0856 EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	866.70	102.36
33 14 13 13-0857 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,015.38	110.78
33 14 13 13-0858 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,119.40	137.96
33 14 13 13-0859 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,078.12	121.24
33 14 13 13-0860 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,270.13	148.41
33 14 13 13-0861 EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,255.47	158.86
33 14 13 13-0862 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,267.82	126.14
33 14 13 13-0863 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,419.52	151.77
33 14 13 13-0864 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,689.22	161.62
33 14 13 13-0865 EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,830.19	173.44
33 14 13 13-0866 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,633.20	136.98
33 14 13 13-0867 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,889.58	162.60
33 14 13 13-0868 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,051.56	172.46
33 14 13 13-0869 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,395.86	184.29
33 14 13 13-0870 EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,738.47	195.13
33 14 13 13-0871 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,835.21	178.38
33 14 13 13-0872 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,365.87	188.23
33 14 13 13-0873 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,446.17	201.04
33 14 13 13-0874 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,637.04	210.89
33 14 13 13-0875 EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,031.89	227.65
33 14 13 13-0876 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,173.14	202.02
33 14 13 13-0877 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,634.00	210.89
33 14 13 13-0878 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,387.96	223.71
33 14 13 13-0879 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,909.62	234.55
33 14 13 13-0880 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,970.55	250.32
33 14 13 13-0881 EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,229.57	272.98
33 14 13 13-0882 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,498.72	238.49
33 14 13 13-0883 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,818.48	248.34
33 14 13 13-0884 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,091.47	260.17
33 14 13 13-0885 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,619.18	271.01
33 14 13 13-0886 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,760.53	286.78
33 14 13 13-0887 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,254.74	309.44
33 14 13 13-0888 EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,615.46	346.89
33 14 13 13-0889 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,913.80	299.59
33 14 13 13-0890 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,236.60	308.46
33 14 13 13-0891 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,456.46	321.27
33 14 13 13-0892 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,979.65	332.11
33 14 13 13-0893 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,107.44	347.88
33 14 13 13-0894 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,871.62	370.55
33 14 13 13-0895 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	10,232.33	407.01
33 14 13 13-0896 EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	11,037.45	468.11
33 14 13 13-0897 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,470.35	374.48
33 14 13 13-0898 EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,690.27	384.34
33 14 13 13-0899 EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	10,063.09	396.17
33 14 13 13-0900 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	10,384.46	407.01
33 14 13 13-0901 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	10,560.82	422.77
33 14 13 13-0902 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	10,953.36	445.45
33 14 13 13-0903 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	14,621.75	482.89
33 14 13 13-0904 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,373.78	543.00
33 14 13 13-0905 EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	16,913.74	617.90
33 14 13 13-0906 EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	14,709.78	497.67
33 14 13 13-0907 EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,000.95	509.50
33 14 13 13-0908 EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,287.45	520.34
33 14 13 13-0909 EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,624.62	536.11
33 14 13 13-0910 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	16,009.59	559.76
33 14 13 13-0911 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	16,453.74	596.22
33 14 13 13-0912 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	17,010.04	656.34
33 14 13 13-0913 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	21,950.24	732.22
33 14 13 13-0914 EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	25,237.30	845.55
33 14 13 13-0915 EA 36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	20,645.09	539.07



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0916	EA		36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	20,933.24	550.89
33 14 13 13-0917	EA		36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	21,181.78	561.73
33 14 13 13-0918	EA		36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	21,476.48	578.48
33 14 13 13-0919	EA		36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	21,820.48	601.15
33 14 13 13-0920	EA		36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	22,223.67	637.61
33 14 13 13-0921	EA		36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	22,742.03	698.71
33 14 13 13-0922	EA		36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	23,667.50	773.61
33 14 13 13-0923	EA		36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	31,994.98	886.94
33 14 13 13-0924	EA		36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	35,188.57	929.32
33 14 13 13-0925	EA		42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	27,812.56	586.37
33 14 13 13-0926	EA		42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	28,390.99	602.14
33 14 13 13-0927	EA		42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	28,724.37	625.79
33 14 13 13-0928	EA		42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	29,185.22	662.25
33 14 13 13-0929	EA		42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	30,017.66	723.36
33 14 13 13-0930	EA		42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	31,789.78	798.25
33 14 13 13-0931	EA		42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	38,660.66	911.58
33 14 13 13-0932	EA		42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	50,672.67	952.97
33 14 13 13-0933	EA		42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	54,331.11	977.61
33 14 13 13-0934	EA		48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	37,686.99	682.95
33 14 13 13-0935	EA		48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	37,933.14	698.71
33 14 13 13-0936	EA		48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	38,261.96	721.38
33 14 13 13-0937	EA		48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	38,613.56	757.84
33 14 13 13-0938	EA		48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	39,077.31	818.94
33 14 13 13-0939	EA		48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	39,892.02	893.84
33 14 13 13-0940	EA		48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	42,173.14	1,007.17
33 14 13 13-0941	EA		48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	51,815.16	1,049.55
33 14 13 13-0942	EA		48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	66,830.44	1,074.19
33 14 13 13-0943	EA		48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	71,154.65	1,169.78

**33 14 13 13-0944 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0576)**

33 14 13 13-0945	EA		4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	372.91	40.84
33 14 13 13-0946	EA		6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	522.11	51.18
33 14 13 13-0947	EA		6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	574.17	54.35
33 14 13 13-0948	EA		8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	754.65	61.66
33 14 13 13-0949	EA		8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	783.89	72.11
33 14 13 13-0950	EA		10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	924.16	64.06
33 14 13 13-0951	EA		10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	966.24	73.91
33 14 13 13-0952	EA		10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,004.93	80.81
33 14 13 13-0953	EA		12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,069.05	70.95
33 14 13 13-0954	EA		12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,182.45	80.81
33 14 13 13-0955	EA		12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,201.41	86.73
33 14 13 13-0956	EA		12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,254.93	93.62
33 14 13 13-0957	EA		14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,854.21	91.65
33 14 13 13-0958	EA		14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,864.08	97.56
33 14 13 13-0959	EA		14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,620.22	104.47
33 14 13 13-0960	EA		14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,652.84	110.37
33 14 13 13-0961	EA		16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,223.10	106.43
33 14 13 13-0962	EA		16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,155.58	113.33
33 14 13 13-0963	EA		16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,022.48	119.24
33 14 13 13-0964	EA		16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,997.44	125.15
33 14 13 13-0965	EA		16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,259.54	136.00
33 14 13 13-0966	EA		18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,414.20	137.97
33 14 13 13-0967	EA		18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,724.14	144.86
33 14 13 13-0968	EA		18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,600.47	150.78
33 14 13 13-0969	EA		18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,111.41	161.62

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0970 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,720.13	177.39
33 14 13 13-0971 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,214.57	189.22
33 14 13 13-0972 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,239.26	195.13
33 14 13 13-0973 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,939.59	202.02
33 14 13 13-0974 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,936.17	212.87
33 14 13 13-0975 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,862.02	227.65
33 14 13 13-0976 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,387.65	253.28
33 14 13 13-0977 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,047.73	252.29
33 14 13 13-0978 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,106.53	263.13
33 14 13 13-0979 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,178.03	277.91
33 14 13 13-0980 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,110.42	303.53
33 14 13 13-0981 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,740.85	353.80
33 14 13 13-0982 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,403.43	313.39
33 14 13 13-0983 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,716.66	339.01
33 14 13 13-0984 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,426.11	390.26
33 14 13 13-0985 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,279.58	440.51
33 14 13 13-0986 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,764.26	417.85
33 14 13 13-0987 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,065.32	468.11
33 14 13 13-0988 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,677.97	504.57
33 14 13 13-0989 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	14,481.05	357.73
33 14 13 13-0990 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	14,392.19	383.35
33 14 13 13-0991 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	14,421.79	433.62
33 14 13 13-0992 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	14,982.20	483.88
33 14 13 13-0993 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,226.48	520.34
33 14 13 13-0994 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,793.97	547.94
33 14 13 13-0995 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	18,259.00	382.38
33 14 13 13-0996 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	17,663.38	408.00
33 14 13 13-0997 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	16,765.92	458.25
33 14 13 13-0998 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	17,250.47	509.50
33 14 13 13-0999 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	20,680.71	544.98
33 14 13 13-1000 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	17,870.72	572.57
33 14 13 13-1001 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	19,660.59	588.34

**33 14 13 13-1002 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps**

(33 14 13 13-0576)

33 14 13 13-1003 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	338.52	86.23
33 14 13 13-1004 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	408.19	101.38
33 14 13 13-1005 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	598.24	126.46
33 14 13 13-1006 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	803.13	144.23
33 14 13 13-1007 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,064.38	216.81
33 14 13 13-1008 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,344.59	236.51
33 14 13 13-1009 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,529.12	260.17
33 14 13 13-1010 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,862.72	288.75
33 14 13 13-1011 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	2,183.00	325.21
33 14 13 13-1012 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	2,634.23	371.53
33 14 13 13-1013 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	3,380.51	433.62
33 14 13 13-1014 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	6,151.98	520.34
33 14 13 13-1015 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	10,098.27	650.43
33 14 13 13-1016 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	14,565.00	780.51
33 14 13 13-1017 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	17,347.08	867.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**33 14 13 13-1018 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug** (33 14 13 13-0576)

33 14 13 13-1019	EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	340.03	86.23
33 14 13 13-1020	EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	423.37	101.38
33 14 13 13-1021	EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	637.69	126.46
33 14 13 13-1022	EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	842.58	144.23
33 14 13 13-1023	EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,290.46	216.81
33 14 13 13-1024	EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,396.18	236.51
33 14 13 13-1025	EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,858.37	260.17
33 14 13 13-1026	EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,243.55	288.75
33 14 13 13-1027	EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,670.05	325.21
33 14 13 13-1028	EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	3,292.73	371.53
33 14 13 13-1029	EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	4,318.19	433.62
33 14 13 13-1030	EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	7,447.74	520.34
33 14 13 13-1031	EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	10,903.95	650.43
33 14 13 13-1032	EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	14,666.66	780.51
33 14 13 13-1033	EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	19,503.13	867.23

**33 14 13 13-1034 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters** (33 14 13 13-0576)

33 14 13 13-1035	EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	461.07	131.06
33 14 13 13-1036	EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	610.77	151.55
33 14 13 13-1037	EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	841.22	190.22
33 14 13 13-1038	EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,106.83	216.34
33 14 13 13-1039	EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,627.68	325.21
33 14 13 13-1040	EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,945.58	354.78
33 14 13 13-1041	EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,548.59	390.26
33 14 13 13-1042	EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,893.46	433.62
33 14 13 13-1043	EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,800.99	487.82
33 14 13 13-1044	EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	4,408.80	557.79
33 14 13 13-1045	EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	5,338.57	650.43
33 14 13 13-1046	EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	8,412.43	780.51
33 14 13 13-1047	EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	11,448.29	975.63
33 14 13 13-1048	EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	15,589.22	1,114.59
33 14 13 13-1049	EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	19,380.26	1,300.85

**33 14 13 13-1050 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves** (33 14 13 13-0576)

33 14 13 13-1051	EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	479.28	131.06
33 14 13 13-1052	EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	588.01	151.55
33 14 13 13-1053	EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	867.01	190.22
33 14 13 13-1054	EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,176.63	216.34
33 14 13 13-1055	EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,530.57	325.21
33 14 13 13-1056	EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,854.54	354.78
33 14 13 13-1057	EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	2,354.38	390.26
33 14 13 13-1058	EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	2,790.29	433.62
33 14 13 13-1059	EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	3,333.67	487.82
33 14 13 13-1060	EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	3,882.30	557.79
33 14 13 13-1061	EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	4,856.07	650.43
33 14 13 13-1062	EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	8,162.08	780.51
33 14 13 13-1063	EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	10,612.27	975.63
33 14 13 13-1064	EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	13,824.21	1,113.60
33 14 13 13-1065	EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	20,556.15	1,300.85

**33 14 13 13-1066 Push-On Joint Ductile Iron Piping** (33 14 13 13-0001)

**33 14 13 13-1067 Push-On Joint Ductile Iron Pipe** (33 14 13 13-1066)

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-1068	LF	4", Class 50, Push-On Joint Ductile Iron Pipe.....	32.20	8.62
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.40	
			For Cement Mortar Lining (CML), Add	1.91	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	10.34	
			For Fusion Bonded Epoxy Lining (206N), Add	3.45	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.44	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.61	
			For Class 51, Add	2.77	
			For Class 52, Add	5.97	
			For Class 53, Add	10.75	
			For Class 54, Add	15.32	
			For Class 55, Add	17.63	
			For Class 56, Add	19.90	
33 14 13	13-1069	LF	6", Class 50, Push-On Joint Ductile Iron Pipe.....	35.32	9.51
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	14.70	
			For Cement Mortar Lining (CML), Add	2.10	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	11.34	
			For Fusion Bonded Epoxy Lining (206N), Add	3.78	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.58	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.77	
			For Class 51, Add	3.04	
			For Class 52, Add	6.56	
			For Class 53, Add	11.79	
			For Class 54, Add	16.81	
			For Class 55, Add	19.34	
			For Class 56, Add	21.83	
33 14 13	13-1070	LF	8", Class 50, Push-On Joint Ductile Iron Pipe.....	44.39	10.45
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	20.10	
			For Cement Mortar Lining (CML), Add	2.87	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	15.50	
			For Fusion Bonded Epoxy Lining (206N), Add	5.17	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.15	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-2.22	
			For Class 51, Add	4.11	
			For Class 52, Add	8.86	
			For Class 53, Add	15.97	
			For Class 54, Add	22.79	
			For Class 55, Add	26.20	
			For Class 56, Add	29.56	
33 14 13	13-1071	LF	10", Class 50, Push-On Joint Ductile Iron Pipe.....	62.66	14.68
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.29	
			For Cement Mortar Lining (CML), Add	4.05	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	20.25	
			For Fusion Bonded Epoxy Lining (206N), Add	7.29	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.04	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-3.13	
			For Class 51, Add	5.80	
			For Class 52, Add	12.50	
			For Class 53, Add	22.53	
			For Class 54, Add	32.14	
			For Class 55, Add	36.96	
			For Class 56, Add	41.69	
33 14 13	13-1072	LF	12", Class 50, Push-On Joint Ductile Iron Pipe.....	72.91	16.26
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.14	
			For Cement Mortar Lining (CML), Add	4.83	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	19.31	
			For Fusion Bonded Epoxy Lining (206N), Add	8.69	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.62	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-3.65	
			For Class 51, Add	6.89	
			For Class 52, Add	14.86	
			For Class 53, Add	26.80	
			For Class 54, Add	38.23	
			For Class 55, Add	43.95	
			For Class 56, Add	49.57	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1073 LF 14", Class 50, Push-On Joint Ductile Iron Pipe.....	89.23	18.33
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	27.08	
For Cement Mortar Lining (CML), Add	6.15	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	20.92	
For Fusion Bonded Epoxy Lining (206N), Add	11.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.62	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.46	
For Class 51, Add	8.73	
For Class 52, Add	18.85	
For Class 53, Add	34.02	
For Class 54, Add	48.55	
For Class 55, Add	55.79	
For Class 56, Add	62.91	
33 14 13 13-1074 LF 16", Class 50, Push-On Joint Ductile Iron Pipe.....	105.94	20.89
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	30.46	
For Cement Mortar Lining (CML), Add	7.43	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	23.03	
For Fusion Bonded Epoxy Lining (206N), Add	13.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.57	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.30	
For Class 51, Add	10.52	
For Class 52, Add	22.72	
For Class 53, Add	41.00	
For Class 54, Add	58.53	
For Class 55, Add	67.25	
For Class 56, Add	75.82	
33 14 13 13-1075 LF 18", Class 50, Push-On Joint Ductile Iron Pipe.....	123.24	24.44
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	35.38	
For Cement Mortar Lining (CML), Add	8.63	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	26.75	
For Fusion Bonded Epoxy Lining (206N), Add	15.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.47	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.16	
For Class 51, Add	12.22	
For Class 52, Add	26.39	
For Class 53, Add	47.63	
For Class 54, Add	67.98	
For Class 55, Add	78.12	
For Class 56, Add	88.07	
33 14 13 13-1076 LF 20", Class 50, Push-On Joint Ductile Iron Pipe.....	141.96	29.27
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	37.09	
For Cement Mortar Lining (CML), Add	9.76	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	27.33	
For Fusion Bonded Epoxy Lining (206N), Add	17.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.32	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-7.10	
For Class 51, Add	13.86	
For Class 52, Add	29.91	
For Class 53, Add	53.97	
For Class 54, Add	77.03	
For Class 55, Add	88.52	
For Class 56, Add	99.81	
33 14 13 13-1077 LF 24", Class 50, Push-On Joint Ductile Iron Pipe.....	179.68	36.56
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	38.50	
For Cement Mortar Lining (CML), Add	12.42	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	26.08	
For Fusion Bonded Epoxy Lining (206N), Add	22.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.32	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-8.98	
For Class 51, Add	17.62	
For Class 52, Add	38.04	
For Class 53, Add	68.64	
For Class 54, Add	97.96	
For Class 55, Add	112.58	
For Class 56, Add	126.93	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1078 LF 30", Class 50, Push-On Joint Ductile Iron Pipe.....	213.71	39.02
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	47.92	
For Cement Mortar Lining (CML), Add	15.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	27.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.59	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-10.69	
For Class 51, Add	21.81	
For Class 52, Add	47.09	
For Class 53, Add	85.06	
For Class 54, Add	121.43	
For Class 55, Add	139.49	
For Class 56, Add	157.24	
33 14 13 13-1079 LF 36", Class 50, Push-On Joint Ductile Iron Pipe.....	266.36	41.49
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	63.08	
For Cement Mortar Lining (CML), Add	20.35	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	36.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.26	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-13.32	
For Class 51, Add	28.52	
For Class 52, Add	61.62	
For Class 53, Add	111.41	
For Class 54, Add	159.10	
For Class 55, Add	182.70	
For Class 56, Add	205.87	
33 14 13 13-1080 LF 42", Class 50, Push-On Joint Ductile Iron Pipe.....	326.00	43.95
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	80.44	
For Cement Mortar Lining (CML), Add	25.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	46.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.46	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-16.30	
For Class 51, Add	36.20	
For Class 52, Add	78.24	
For Class 53, Add	141.55	
For Class 54, Add	202.19	
For Class 55, Add	232.11	
For Class 56, Add	261.48	
33 14 13 13-1081 LF 48", Class 50, Push-On Joint Ductile Iron Pipe.....	393.76	46.32
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	100.28	
For Cement Mortar Lining (CML), Add	32.35	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	58.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.26	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-19.69	
For Class 51, Add	44.97	
For Class 52, Add	97.22	
For Class 53, Add	175.99	
For Class 54, Add	251.44	
For Class 55, Add	288.58	
For Class 56, Add	325.04	
33 14 13 13-1082 LF 54", Class 50, Push-On Joint Ductile Iron Pipe.....	501.21	48.78
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	132.46	
For Cement Mortar Lining (CML), Add	42.73	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	76.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.05	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-25.06	
For Class 51, Add	59.16	
For Class 52, Add	127.94	
For Class 53, Add	231.76	
For Class 54, Add	331.18	
For Class 55, Add	380.00	
For Class 56, Add	427.93	
<b>33 14 13 13-1083 Push-On Joint Ductile Iron 90 Degree Elbow (33 14 13 13-1066)</b>		
33 14 13 13-1084 EA 4" 90 Degree Elbow, Push-On Joint Ductile Iron .....	159.82	33.65
For Cement Mortar Lining (CML), Add	10.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	19.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.16	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1085 EA 6" 90 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	232.11 15.69 28.23 11.76	49.64
33 14 13 13-1086 EA 8" 90 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	306.95 21.76 39.17 16.32	58.95
33 14 13 13-1087 EA 10" 90 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	463.05 32.89 59.21 24.67	64.85
33 14 13 13-1088 EA 12" 90 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	592.43 43.52 78.34 32.64	76.08
33 14 13 13-1089 EA 14" 90 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,130.89 95.45 171.80 71.58	85.34
33 14 13 13-1090 EA 16" 90 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,279.10 107.75 193.95 80.81	97.56
33 14 13 13-1091 EA 18" 90 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,982.62 170.04 306.08 127.53	136.59
33 14 13 13-1092 EA 20" 90 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,238.40 189.41 340.94 142.06	172.17
33 14 13 13-1093 EA 24" 90 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,795.11 236.48 425.66 177.36	215.23
<b>33 14 13 13-1094 Push-On Joint Ductile Iron 45 Degree Elbow</b> <small>(33 14 13 13-1066)</small>		
33 14 13 13-1095 EA 4" 45 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	135.07 8.41 15.13 6.31	33.65
33 14 13 13-1096 EA 6" 45 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	198.84 12.36 22.25 9.27	49.64
33 14 13 13-1097 EA 8" 45 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	271.15 18.18 32.72 13.63	58.95

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1098 EA 10" 45 Degree Elbow, Push-On Joint Ductile Iron .....	413.63	64.85
For Cement Mortar Lining (CML), Add	27.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	50.31	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.96	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1099 EA 12" 45 Degree Elbow, Push-On Joint Ductile Iron .....	529.46	76.08
For Cement Mortar Lining (CML), Add	37.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	67.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.92	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1100 EA 14" 45 Degree Elbow, Push-On Joint Ductile Iron .....	737.64	85.34
For Cement Mortar Lining (CML), Add	56.12	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	101.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.09	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1101 EA 16" 45 Degree Elbow, Push-On Joint Ductile Iron .....	1,073.18	97.56
For Cement Mortar Lining (CML), Add	87.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	156.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	65.37	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1102 EA 18" 45 Degree Elbow, Push-On Joint Ductile Iron .....	1,250.08	136.59
For Cement Mortar Lining (CML), Add	96.79	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	174.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	72.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1103 EA 20" 45 Degree Elbow, Push-On Joint Ductile Iron .....	1,736.86	172.17
For Cement Mortar Lining (CML), Add	139.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	250.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	104.44	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1104 EA 24" 45 Degree Elbow, Push-On Joint Ductile Iron .....	2,156.32	215.23
For Cement Mortar Lining (CML), Add	172.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	310.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	129.45	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-1105 Push-On Joint Ductile Iron Tee (33 14 13 13-1066)</b>		
33 14 13 13-1106 EA 4" Tee, Push-On Joint Ductile Iron .....	243.51	49.64
For Cement Mortar Lining (CML), Add	16.83	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	30.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.62	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1107 EA 6" Tee, Push-On Joint Ductile Iron .....	340.82	72.95
For Cement Mortar Lining (CML), Add	23.02	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	41.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1108 EA 8" Tee, Push-On Joint Ductile Iron .....	460.50	88.42
For Cement Mortar Lining (CML), Add	32.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	58.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1109 EA 10" Tee, Push-On Joint Ductile Iron .....	661.44	98.55
For Cement Mortar Lining (CML), Add	51.36	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	92.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1110 EA 12" Tee, Push-On Joint Ductile Iron .....	820.18	113.63
For Cement Mortar Lining (CML), Add	64.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	116.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.58	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1111 EA 14" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,299.55 109.26 196.67 81.94	136.59
33 14 13 13-1112 EA 16" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,866.18 160.75 289.35 120.56	170.79
33 14 13 13-1113 EA 18" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,351.66 200.64 361.16 150.48	227.85
33 14 13 13-1114 EA 20" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,775.57 235.44 423.79 176.58	278.01
33 14 13 13-1115 EA 24" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,627.71 310.13 558.23 232.59	347.49
<b>33 14 13 13-1116 Flanged End x Push-On Joint Ductile Iron Adapters (33 14 13 13-1066)</b>		
33 14 13 13-1117 EA 4" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	371.15 19.43 34.97 14.57	116.74
33 14 13 13-1118 EA 6" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	454.47 23.55 42.39 17.66	144.54
33 14 13 13-1119 EA 8" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	594.00 33.85 60.93 25.39	168.59
33 14 13 13-1120 EA 10" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	811.11 44.16 79.48 33.12	243.91
33 14 13 13-1121 EA 12" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	981.65 55.93 100.67 41.95	278.80
33 14 13 13-1122 EA 14" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,131.89 67.70 121.87 50.78	300.18
33 14 13 13-1123 EA 16" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,346.41 85.37 153.66 64.02	325.21

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1124 EA 18" Flanged End x Push-On Joint Adapter, Ductile Iron .....	1,592.14	390.26
For Cement Mortar Lining (CML), Add	100.08	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	180.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	75.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1125 EA 20" Flanged End x Push-On Joint Adapter, Ductile Iron .....	1,849.17	433.62
For Cement Mortar Lining (CML), Add	119.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	214.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	89.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1126 EA 24" Flanged End x Push-On Joint Adapter, Ductile Iron .....	2,318.20	500.34
For Cement Mortar Lining (CML), Add	156.01	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	280.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	117.01	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1127 EA 30" Flanged End x Push-On Joint Adapter, Ductile Iron .....	3,709.68	600.36
For Cement Mortar Lining (CML), Add	280.00	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	504.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	210.00	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1128 EA 36" Flanged End x Push-On Joint Adapter, Ductile Iron .....	5,132.23	750.45
For Cement Mortar Lining (CML), Add	399.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	719.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	299.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1129 EA 42" Flanged End x Push-On Joint Adapter, Ductile Iron .....	6,487.16	867.23
For Cement Mortar Lining (CML), Add	517.32	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	931.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	387.99	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1130 EA 48" Flanged End x Push-On Joint Adapter, Ductile Iron .....	8,279.65	1,114.99
For Cement Mortar Lining (CML), Add	659.02	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,186.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	494.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1131 EA 54" Flanged End x Push-On Joint Adapter, Ductile Iron .....	10,059.48	1,301.14
For Cement Mortar Lining (CML), Add	808.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,455.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	606.60	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-1132 Push-On Joint Ductile Iron Pipe And Fitting Restraints</b> <small>(33 14 13 13-1066)</small>		
Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-1133 EA 4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	35.63	18.17
33 14 13 13-1134 EA 6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	47.58	23.71
33 14 13 13-1135 EA 8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	62.11	24.12
33 14 13 13-1136 EA 10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	71.83	25.61
33 14 13 13-1137 EA 12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	84.31	28.45
33 14 13 13-1138 EA 14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	104.22	32.01
33 14 13 13-1139 EA 16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	122.30	36.58
33 14 13 13-1140 EA 18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	136.95	39.64
33 14 13 13-1141 EA 20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	160.44	47.56
33 14 13 13-1142 EA 24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	188.47	49.39
33 14 13 13-1143 EA 30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	237.04	54.89
33 14 13 13-1144 EA 36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	302.63	59.44
33 14 13 13-1145 EA 42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	369.07	65.04
33 14 13 13-1146 EA 48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	433.50	73.17
33 14 13 13-1147 EA 54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	587.10	79.35
<b>33 14 13 13-1148 Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series)</b> <small>(33 14 13 13-1066)</small>		
33 14 13 13-1149 EA 4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400) .....	215.19	66.52
33 14 13 13-1150 EA 6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600) .....	284.25	81.21
33 14 13 13-1151 EA 8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800) .....	366.25	99.04
33 14 13 13-1152 EA 10" Bell Restraint Harness, Ductile Iron (MEGALUG® 17100) .....	553.22	120.83
33 14 13 13-1153 EA 12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200) .....	686.27	147.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1154 EA 14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400).....	1,186.48	179.75
33 14 13 13-1155 EA 16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600).....	1,353.90	219.37
33 14 13 13-1156 EA 18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800).....	1,536.12	267.57
33 14 13 13-1157 EA 20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000).....	2,089.84	326.49
33 14 13 13-1158 EA 24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400).....	2,666.28	398.24
33 14 13 13-1159 EA 30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000).....	4,611.17	485.94
33 14 13 13-1160 EA 36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600).....	6,547.03	592.77
33 14 13 13-1161 EA 42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200).....	11,908.97	723.26
33 14 13 13-1162 EA 48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800).....	15,408.98	882.31
<b>33 14 13 13-1163 Ductile Iron Pipe Repair (33 14 13 13-0001)</b> See CSI section 33 14 13 13-0002 for mechanical joint fittings.		
<b>33 14 13 13-1164 WEKO Seals (33 14 13 13-1163)</b> Note: Internal joint seal.		
33 14 13 13-1165 EA 16" WEKO Internal Joint Seal.....	1,335.80	187.08
For Extra Wide Seals, Add	84.17	
33 14 13 13-1166 EA 18" WEKO Internal Joint Seal.....	1,422.38	197.54
For Extra Wide Seals, Add	84.97	
33 14 13 13-1167 EA 20" WEKO Internal Joint Seal.....	1,508.81	208.01
For Extra Wide Seals, Add	85.76	
33 14 13 13-1168 EA 24" WEKO Internal Joint Seal.....	1,600.34	224.64
For Extra Wide Seals, Add	87.02	
33 14 13 13-1169 EA 30" WEKO Internal Joint Seal.....	1,656.02	241.28
For Extra Wide Seals, Add	88.28	
33 14 13 13-1170 EA 36" WEKO Internal Joint Seal.....	1,741.29	262.08
For Extra Wide Seals, Add	89.85	
33 14 13 13-1171 EA 42" WEKO Internal Joint Seal.....	1,859.76	287.04
For Extra Wide Seals, Add	91.75	
33 14 13 13-1172 EA 48" WEKO Internal Joint Seal.....	2,007.78	307.84
For Extra Wide Seals, Add	93.32	
33 14 13 13-1173 EA 54" WEKO Internal Joint Seal.....	2,084.97	324.49
For Extra Wide Seals, Add	94.58	
<b>33 14 13 23 Plastic Public Water Utility Distribution Piping (33 14 13)</b>		
<b>33 14 13 23-0001 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping (33 14 13 23)</b>		
<b>33 14 13 23-0002 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe (33 14 13 23-0001)</b>		
33 14 13 23-0003 LF 3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	2.12	0.75
For >1,000, Deduct	-0.11	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.04	
33 14 13 23-0004 LF 1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	2.34	0.80
For >1,000, Deduct	-0.12	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.05	
33 14 13 23-0005 LF 1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	2.72	0.88
For >1,000, Deduct	-0.14	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.08	
33 14 13 23-0006 LF 1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	3.14	0.97
For >1,000, Deduct	-0.16	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.11	
33 14 13 23-0007 LF 2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	4.02	1.09
For >1,000, Deduct	-0.20	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.20	
33 14 13 23-0008 LF 2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	5.16	1.24
For >1,000, Deduct	-0.26	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.31	
33 14 13 23-0009 LF 3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	6.31	1.38
For >1,000, Deduct	-0.32	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.43	
33 14 13 23-0010 LF 4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	8.91	1.71
For >1,000, Deduct	-0.45	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.70	
33 14 13 23-0011 LF 6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	15.55	2.17
For >1,000, Deduct	-0.78	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.52	
33 14 13 23-0012 LF 8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	24.67	3.00
For >1,000, Deduct	-1.23	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	2.57	
33 14 13 23-0013 LF 10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	36.71	4.02
For >1,000, Deduct	-1.84	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	4.00	
33 14 13 23-0014 LF 12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	51.09	5.40
For >1,000, Deduct	-2.55	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	5.64	
<b>33 14 13 23-0015 90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)</b>		
33 14 13 23-0016 EA 3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	22.73	8.98
33 14 13 23-0017 EA 1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	28.73	11.23
33 14 13 23-0018 EA 1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	36.16	14.03
33 14 13 23-0019 EA 1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	53.60	15.53

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0020 EA 2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	58.09	17.40
33 14 13 23-0021 EA 2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	68.64	19.74
33 14 13 23-0022 EA 3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	77.13	22.22
33 14 13 23-0023 EA 4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	106.54	27.28
33 14 13 23-0024 EA 6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	152.73	34.67
33 14 13 23-0025 EA 8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	245.74	45.51
33 14 13 23-0026 EA 10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	302.91	60.88
33 14 13 23-0027 EA 12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	400.64	81.95
<b>33 14 13 23-0028 45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)</b>		
33 14 13 23-0029 EA 3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	23.13	8.98
33 14 13 23-0030 EA 1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	29.01	11.23
33 14 13 23-0031 EA 1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	36.33	14.03
33 14 13 23-0032 EA 1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	48.41	15.53
33 14 13 23-0033 EA 2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	58.57	17.40
33 14 13 23-0034 EA 2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	70.59	19.74
33 14 13 23-0035 EA 3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	76.31	22.22
33 14 13 23-0036 EA 4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	104.76	27.28
33 14 13 23-0037 EA 6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	149.13	34.67
33 14 13 23-0038 EA 8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	238.88	45.51
33 14 13 23-0039 EA 10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	274.49	60.88
33 14 13 23-0040 EA 12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	361.32	81.95
<b>33 14 13 23-0041 Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)</b>		
33 14 13 23-0042 EA 3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	34.08	13.47
33 14 13 23-0043 EA 1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	43.00	16.93
33 14 13 23-0044 EA 1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	53.90	21.14
33 14 13 23-0045 EA 1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	74.02	23.39
33 14 13 23-0046 EA 2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	84.18	26.01
33 14 13 23-0047 EA 2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	97.90	29.66
33 14 13 23-0048 EA 3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	117.90	33.24
33 14 13 23-0049 EA 4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	154.52	40.97
33 14 13 23-0050 EA 6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	253.93	52.09
33 14 13 23-0051 EA 8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	379.16	68.27
33 14 13 23-0052 EA 10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	451.17	96.33
33 14 13 23-0053 EA 12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	565.56	129.62
<b>33 14 13 23-0054 Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)</b>		
33 14 13 23-0055 EA 3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	15.21	5.99
33 14 13 23-0056 EA 1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	20.55	8.05
33 14 13 23-0057 EA 1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	27.41	10.57
33 14 13 23-0058 EA 1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	37.83	11.70
33 14 13 23-0059 EA 2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	41.74	13.01
33 14 13 23-0060 EA 2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	47.48	14.78
33 14 13 23-0061 EA 3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	54.63	16.62
33 14 13 23-0062 EA 4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	74.66	20.44
33 14 13 23-0063 EA 6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	106.28	26.04
33 14 13 23-0064 EA 8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	179.24	34.13
33 14 13 23-0065 EA 10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	214.43	48.21
33 14 13 23-0066 EA 12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	273.78	64.82
<b>33 14 13 23-0067 Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)</b>		
<b>33 14 13 23-0068 Schedule 40 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0067)</b>		
33 14 13 23-0069 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	2.32	0.75
For >1,000, Deduct	-0.12	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.07	
33 14 13 23-0070 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	2.72	0.80
For >1,000, Deduct	-0.14	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.11	
33 14 13 23-0071 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	3.49	0.97
For >1,000, Deduct	-0.17	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.16	
33 14 13 23-0072 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	4.16	1.09
For >1,000, Deduct	-0.21	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.22	
33 14 13 23-0073 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	5.37	1.24
For >1,000, Deduct	-0.27	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.34	
33 14 13 23-0074 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	6.44	1.38
For >1,000, Deduct	-0.32	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.45	
33 14 13 23-0075 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	8.54	1.71
For >1,000, Deduct	-0.43	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.64	
33 14 13 23-0076 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	12.91	2.17
For >1,000, Deduct	-0.65	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.12	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 14 13 23-0077</b> Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows (33 14 13 23-0067)		
33 14 13 23-0078 EA 3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	22.88	8.98
33 14 13 23-0079 EA 1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	28.81	11.23
33 14 13 23-0080 EA 1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	40.05	15.53
33 14 13 23-0081 EA 2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	45.22	17.40
33 14 13 23-0082 EA 2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	54.19	19.74
33 14 13 23-0083 EA 3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	61.32	22.22
33 14 13 23-0084 EA 4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	80.08	27.28
33 14 13 23-0085 EA 6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	124.40	34.67
<b>33 14 13 23-0086</b> Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows (33 14 13 23-0067)		
33 14 13 23-0087 EA 3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	22.84	8.98
33 14 13 23-0088 EA 1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	28.78	11.23
33 14 13 23-0089 EA 1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	40.07	15.53
33 14 13 23-0090 EA 2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	45.09	17.40
33 14 13 23-0091 EA 2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	53.82	19.74
33 14 13 23-0092 EA 3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	60.89	22.22
33 14 13 23-0093 EA 4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	79.21	27.28
33 14 13 23-0094 EA 6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	121.61	34.67
<b>33 14 13 23-0095</b> Schedule 40 Polyvinyl Chloride (PVC) Tees Or Wyes (33 14 13 23-0067)		
33 14 13 23-0096 EA 3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	34.23	13.47
33 14 13 23-0097 EA 1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	43.11	16.93
33 14 13 23-0098 EA 1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	59.91	23.39
33 14 13 23-0099 EA 2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	67.35	26.01
33 14 13 23-0100 EA 2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	81.49	29.66
33 14 13 23-0101 EA 3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	93.76	33.24
33 14 13 23-0102 EA 4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	116.55	40.97
33 14 13 23-0103 EA 6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	189.27	52.09
<b>33 14 13 23-0104</b> Schedule 40 Polyvinyl Chloride (PVC) Couplings (33 14 13 23-0067)		
33 14 13 23-0105 EA 3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	15.28	5.99
33 14 13 23-0106 EA 1" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	20.60	8.05
33 14 13 23-0107 EA 1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	29.87	11.70
33 14 13 23-0108 EA 2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	33.66	13.01
33 14 13 23-0109 EA 2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	39.46	14.78
33 14 13 23-0110 EA 3" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	45.34	16.62
33 14 13 23-0111 EA 4" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	56.16	20.44
33 14 13 23-0112 EA 6" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	82.23	26.04
<b>33 14 13 23-0113</b> Crosses, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0067)		
33 14 13 23-0114 EA 3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	45.76	17.97
33 14 13 23-0115 EA 1" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	57.41	22.54
33 14 13 23-0116 EA 1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	79.87	31.16
33 14 13 23-0117 EA 2" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	89.80	34.71
33 14 13 23-0118 EA 2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	108.61	39.49
33 14 13 23-0119 EA 3" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	124.96	44.35
33 14 13 23-0120 EA 4" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	155.32	54.57
33 14 13 23-0121 EA 6" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	252.01	69.42
<b>33 14 13 23-0122</b> Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)		
<b>33 14 13 23-0123</b> Schedule 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0122)		
33 14 13 23-0124 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	2.94	0.80
For >1,000, Deduct	-0.15	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.14	
33 14 13 23-0125 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	3.93	0.97
For >1,000, Deduct	-0.20	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.23	
33 14 13 23-0126 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	4.89	1.09
For >1,000, Deduct	-0.24	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.33	
33 14 13 23-0127 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	6.33	1.24
For >1,000, Deduct	-0.32	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.49	
33 14 13 23-0128 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	7.78	1.38
For >1,000, Deduct	-0.39	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.65	
33 14 13 23-0129 LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	10.59	1.71
For >1,000, Deduct	-0.53	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.95	
33 14 13 23-0130 LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	17.46	2.17
For >1,000, Deduct	-0.87	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.80	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0131			<b>Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows</b> <small>(33 14 13 23-0122)</small>		
33 14 13 23-0132	EA		1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC) .....	29.94	11.23
33 14 13 23-0133	EA		1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC) .....	40.05	15.53
33 14 13 23-0134	EA		2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC) .....	46.36	17.40
33 14 13 23-0135	EA		2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC) .....	56.60	19.74
33 14 13 23-0136	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	63.56	22.22
33 14 13 23-0137	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	80.62	27.28
33 14 13 23-0138	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	121.85	34.67
33 14 13 23-0139			<b>Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows</b> <small>(33 14 13 23-0122)</small>		
33 14 13 23-0140	EA		1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	34.59	11.23
33 14 13 23-0141	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	44.53	15.53
33 14 13 23-0142	EA		2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	50.66	17.40
33 14 13 23-0143	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	64.67	19.74
33 14 13 23-0144	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	74.07	22.22
33 14 13 23-0145	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	101.75	27.28
33 14 13 23-0146	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	120.43	34.67
33 14 13 23-0147			<b>Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes</b> <small>(33 14 13 23-0122)</small>		
33 14 13 23-0148	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	45.49	16.93
33 14 13 23-0149	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	67.13	23.39
33 14 13 23-0150	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	75.96	26.01
33 14 13 23-0151	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	86.05	29.66
33 14 13 23-0152	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	98.12	33.24
33 14 13 23-0153	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	119.70	40.97
33 14 13 23-0154	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	189.15	52.09
33 14 13 23-0155			<b>Schedule 80 Polyvinyl Chloride (PVC) Couplings</b> <small>(33 14 13 23-0122)</small>		
33 14 13 23-0156	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	22.30	8.05
33 14 13 23-0157	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	32.79	11.70
33 14 13 23-0158	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	36.41	13.01
33 14 13 23-0159	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	46.51	14.78
33 14 13 23-0160	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	52.45	16.62
33 14 13 23-0161	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	64.80	20.44
33 14 13 23-0162	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	94.29	26.04
33 14 13 23-0163			<b>Crosses, Schedule 80 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0122)</small>		
33 14 13 23-0164	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	60.57	22.54
33 14 13 23-0165	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	89.46	31.16
33 14 13 23-0166	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	101.23	34.71
33 14 13 23-0167	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	114.67	39.49
33 14 13 23-0168	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	130.75	44.35
33 14 13 23-0169	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	159.50	54.57
33 14 13 23-0170	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	251.86	69.42
33 14 13 23-0171			<b>AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23)</small>		
Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.					
33 14 13 23-0172			<b>AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0171)</small>		
33 14 13 23-0173	LF		4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	9.72	3.47
33 14 13 23-0174	LF		6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	14.08	4.21
33 14 13 23-0175	LF		8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	19.24	4.73
33 14 13 23-0176	LF		10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	25.26	5.26
33 14 13 23-0177	LF		12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	32.65	5.89
33 14 13 23-0178			<b>AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0171)</small>		
33 14 13 23-0179	LF		4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	10.72	3.47
33 14 13 23-0180	LF		6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	16.15	4.21
33 14 13 23-0181	LF		8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	22.73	4.73
33 14 13 23-0182	LF		10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	30.68	5.26
33 14 13 23-0183	LF		12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	40.21	5.89
33 14 13 23-0184			<b>AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0171)</small>		
33 14 13 23-0185	LF		4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	11.70	3.47
33 14 13 23-0186	LF		6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	18.20	4.21
33 14 13 23-0187	LF		8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	26.21	4.73
33 14 13 23-0188	LF		10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	35.98	5.26
33 14 13 23-0189	LF		12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	47.76	5.89
33 14 13 23-0190			<b>AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0171)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0191 LF 18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	51.25	8.83
33 14 13 23-0192 LF 20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	62.48	10.52
33 14 13 23-0193 LF 24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	83.76	12.62
33 14 13 23-0194 LF 30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	120.92	14.71
33 14 13 23-0195 LF 36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	166.81	16.82
33 14 13 23-0196 LF 42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	211.26	17.87
33 14 13 23-0197 LF 48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	267.47	19.25
<b>33 14 13 23-0198 AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0171)</b>		
33 14 13 23-0199 LF 14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	37.84	6.62
33 14 13 23-0200 LF 16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	47.43	7.36
33 14 13 23-0201 LF 18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	58.82	8.83
33 14 13 23-0202 LF 20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	72.31	10.52
33 14 13 23-0203 LF 24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	98.92	12.62
33 14 13 23-0204 LF 30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	142.66	14.71
33 14 13 23-0205 LF 36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	195.94	16.82
33 14 13 23-0206 LF 42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	259.70	17.87
33 14 13 23-0207 LF 48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	330.31	19.25
<b>33 14 13 23-0208 AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0171)</b>		
33 14 13 23-0209 LF 14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	43.67	6.62
33 14 13 23-0210 LF 16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	55.51	7.36
33 14 13 23-0211 LF 18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	68.87	8.83
33 14 13 23-0212 LF 20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	85.34	10.52
33 14 13 23-0213 LF 24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	117.63	12.62
33 14 13 23-0214 LF 30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	170.78	14.71
33 14 13 23-0215 LF 36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	236.97	16.82
33 14 13 23-0216 LF 42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	308.31	17.87
33 14 13 23-0217 LF 48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	393.75	19.25
<b>33 14 13 23-0218 AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0171)</b>		
33 14 13 23-0219 LF 14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	53.63	6.62
33 14 13 23-0220 LF 16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	67.34	7.36
33 14 13 23-0221 LF 18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	84.10	8.83
33 14 13 23-0222 LF 20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	103.73	10.52
33 14 13 23-0223 LF 24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	144.15	12.62
33 14 13 23-0224 LF 30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	212.40	14.71
33 14 13 23-0225 LF 36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	300.96	16.82
33 14 13 23-0226 LF 42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	402.16	17.87
33 14 13 23-0227 LF 48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	519.69	19.25
<b>33 14 13 23-0228 AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0171)</b>		
33 14 13 23-0229 LF 14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	61.12	6.62
33 14 13 23-0230 LF 16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	77.08	7.36
33 14 13 23-0231 LF 18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	96.38	8.83
33 14 13 23-0232 LF 20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	119.03	10.52
33 14 13 23-0233 LF 24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	166.16	12.62
33 14 13 23-0234 LF 30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	246.25	14.71
33 14 13 23-0235 LF 36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	350.41	16.82
33 14 13 23-0236 LF 42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	469.93	17.87
<b>33 14 13 23-0237 AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0171)</b>		
33 14 13 23-0238 LF 14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	68.41	6.62
33 14 13 23-0239 LF 16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	86.55	7.36
33 14 13 23-0240 LF 18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	108.32	8.83
33 14 13 23-0241 LF 20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	133.91	10.52
33 14 13 23-0242 LF 24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	187.56	12.62
33 14 13 23-0243 LF 30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	279.18	14.71
33 14 13 23-0244 LF 36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	398.53	16.82
<b>33 14 13 23-0245 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings (33 14 13 23)</b>		
Note: Includes rubber gaskets.		
<b>33 14 13 23-0246 90 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0245)</b>		
33 14 13 23-0247 EA 4" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	183.94	11.23
For DR 25, Deduct	-9.69	
33 14 13 23-0248 EA 6" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	377.75	12.63
For DR 25, Deduct	-21.15	
33 14 13 23-0249 EA 8" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	567.98	14.03
For DR 25, Deduct	-32.39	
33 14 13 23-0250 EA 10" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	867.71	22.51
For DR 25, Deduct	-49.36	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0251	EA	12"	90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,128.45	37.52
			<i>For DR 25, Deduct</i>	-63.21	
33 14 13 23-0252	EA	14"	90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,695.55	46.90
			<i>For DR 25, Deduct</i>	-96.11	
33 14 13 23-0253	EA	16"	90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,023.40	56.28
			<i>For DR 25, Deduct</i>	-114.65	
33 14 13 23-0254	EA	18"	90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,474.13	75.04
			<i>For DR 25, Deduct</i>	-199.44	
33 14 13 23-0255	EA	20"	90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,276.62	93.80
			<i>For DR 25, Deduct</i>	-245.34	
33 14 13 23-0256	EA	24"	90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,101.89	126.63
			<i>For DR 25, Deduct</i>	-410.92	
<b>33 14 13 23-0257</b>			<b>45 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0258	EA	4"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	162.85	11.23
			<i>For DR 25, Deduct</i>	-8.42	
33 14 13 23-0259	EA	6"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	282.13	12.63
			<i>For DR 25, Deduct</i>	-15.41	
33 14 13 23-0260	EA	8"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	357.74	14.03
			<i>For DR 25, Deduct</i>	-19.78	
33 14 13 23-0261	EA	10"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	506.16	22.51
			<i>For DR 25, Deduct</i>	-27.67	
33 14 13 23-0262	EA	12"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	676.03	37.52
			<i>For DR 25, Deduct</i>	-36.06	
33 14 13 23-0263	EA	14"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,302.01	46.90
			<i>For DR 25, Deduct</i>	-72.49	
33 14 13 23-0264	EA	16"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,650.58	56.28
			<i>For DR 25, Deduct</i>	-92.28	
33 14 13 23-0265	EA	18"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,850.79	75.04
			<i>For DR 25, Deduct</i>	-162.04	
33 14 13 23-0266	EA	20"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,540.74	93.80
			<i>For DR 25, Deduct</i>	-201.19	
33 14 13 23-0267	EA	24"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,997.23	126.63
			<i>For DR 25, Deduct</i>	-284.64	
<b>33 14 13 23-0268</b>			<b>22-1/2 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0269	EA	4"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	160.29	11.23
			<i>For DR 25, Deduct</i>	-8.27	
33 14 13 23-0270	EA	6"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	282.13	12.63
			<i>For DR 25, Deduct</i>	-15.41	
33 14 13 23-0271	EA	8"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	357.74	14.03
			<i>For DR 25, Deduct</i>	-19.78	
33 14 13 23-0272	EA	10"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	506.17	22.51
			<i>For DR 25, Deduct</i>	-27.67	
33 14 13 23-0273	EA	12"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	676.04	37.52
			<i>For DR 25, Deduct</i>	-36.06	
33 14 13 23-0274	EA	14"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,298.24	45.02
			<i>For DR 25, Deduct</i>	-72.49	
33 14 13 23-0275	EA	16"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,650.56	56.28
			<i>For DR 25, Deduct</i>	-92.28	
33 14 13 23-0276	EA	18"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,850.79	75.04
			<i>For DR 25, Deduct</i>	-162.04	
33 14 13 23-0277	EA	20"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,540.74	93.80
			<i>For DR 25, Deduct</i>	-201.19	
33 14 13 23-0278	EA	24"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,997.23	126.63
			<i>For DR 25, Deduct</i>	-284.64	
<b>33 14 13 23-0279</b>			<b>11-1/4 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0280	EA	4"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	141.41	11.23
			<i>For DR 25, Deduct</i>	-7.14	
33 14 13 23-0281	EA	6"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	282.13	12.63
			<i>For DR 25, Deduct</i>	-15.41	
33 14 13 23-0282	EA	8"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	357.74	14.03
			<i>For DR 25, Deduct</i>	-19.78	
33 14 13 23-0283	EA	10"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	506.17	22.51
			<i>For DR 25, Deduct</i>	-27.67	
33 14 13 23-0284	EA	12"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	676.04	37.52
			<i>For DR 25, Deduct</i>	-36.06	
33 14 13 23-0285	EA	14"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,298.24	45.02
			<i>For DR 25, Deduct</i>	-72.49	
33 14 13 23-0286	EA	16"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,650.56	56.28
			<i>For DR 25, Deduct</i>	-92.28	
33 14 13 23-0287	EA	18"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,850.79	75.04
			<i>For DR 25, Deduct</i>	-162.04	
33 14 13 23-0288	EA	20"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,540.74	93.80
			<i>For DR 25, Deduct</i>	-201.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0289 EA 24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,997.23 -284.64	126.63
<b>33 14 13 23-0290 Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0291 EA 4" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	218.69 -11.61	12.63
33 14 13 23-0292 EA 6" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	423.50 -23.73	14.03
33 14 13 23-0293 EA 8" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	591.38 -33.57	15.91
33 14 13 23-0294 EA 10" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	1,220.42 -69.85	28.14
33 14 13 23-0295 EA 12" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	1,487.60 -82.51	56.28
33 14 13 23-0296 EA 14" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,689.48 -152.93	70.35
33 14 13 23-0297 EA 16" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,331.43 -189.75	84.42
33 14 13 23-0298 EA 18" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	4,202.93 -238.67	112.56
33 14 13 23-0299 EA 20" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	5,046.70 -285.92	140.70
33 14 13 23-0300 EA 24" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	6,932.67 -404.48	95.67
<b>33 14 13 23-0301 Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0302 EA 6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	421.21 -23.08	18.24
33 14 13 23-0303 EA 8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	573.51 -32.05	19.65
33 14 13 23-0304 EA 8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	587.85 -32.83	20.35
33 14 13 23-0305 EA 10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	763.22 -42.42	28.14
33 14 13 23-0306 EA 10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	1,034.49 -58.61	28.84
33 14 13 23-0307 EA 10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	1,106.78 -62.86	29.55
33 14 13 23-0308 EA 12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	1,172.32 -65.16	43.14
33 14 13 23-0309 EA 12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	1,346.23 -75.51	43.85
33 14 13 23-0310 EA 12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	1,428.38 -80.36	44.55
33 14 13 23-0311 EA 12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	1,454.98 -81.45	48.77
33 14 13 23-0312 EA 14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,211.76 -126.63	50.65
33 14 13 23-0313 EA 14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,300.85 -131.89	51.36
33 14 13 23-0314 EA 14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,390.16 -137.16	52.05
33 14 13 23-0315 EA 14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,486.00 -142.41	56.28
33 14 13 23-0316 EA 14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,588.72 -147.67	63.78
33 14 13 23-0317 EA 16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,760.33 -158.19	61.90
33 14 13 23-0318 EA 16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,847.98 -163.45	61.90
33 14 13 23-0319 EA 16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,937.08 -168.71	62.61
33 14 13 23-0320 EA 16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,026.18 -173.97	63.31
33 14 13 23-0321 EA 16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,137.28 -179.23	75.04
33 14 13 23-0322 EA 16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,232.44 -184.49	78.79
33 14 13 23-0323 EA 18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,410.94 -194.98	80.66
33 14 13 23-0324 EA 18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,500.65 -200.27	81.37
33 14 13 23-0325 EA 18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,589.71 -205.53	82.07
33 14 13 23-0326 EA 18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,685.84 -210.80	86.29
33 14 13 23-0327 EA 18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,788.48 -216.05	93.80
33 14 13 23-0328 EA 18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,883.06 -221.28	97.54

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0329	EA		18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,003.18	103.18
			<i>For DR 25, Deduct</i>	-227.81	
33 14 13 23-0330	EA		20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,326.39	99.42
			<i>For DR 25, Deduct</i>	-247.65	
33 14 13 23-0331	EA		20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,477.50	100.13
			<i>For DR 25, Deduct</i>	-256.64	
33 14 13 23-0332	EA		20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,536.94	100.83
			<i>For DR 25, Deduct</i>	-260.12	
33 14 13 23-0333	EA		20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,603.51	105.05
			<i>For DR 25, Deduct</i>	-263.60	
33 14 13 23-0334	EA		20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,676.57	112.56
			<i>For DR 25, Deduct</i>	-267.09	
33 14 13 23-0335	EA		20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,778.21	116.30
			<i>For DR 25, Deduct</i>	-272.74	
33 14 13 23-0336	EA		20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,883.61	121.94
			<i>For DR 25, Deduct</i>	-278.39	
33 14 13 23-0337	EA		20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,965.15	131.32
			<i>For DR 25, Deduct</i>	-282.15	
33 14 13 23-0338	EA		24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,092.60	132.25
			<i>For DR 25, Deduct</i>	-289.69	
33 14 13 23-0339	EA		24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,156.82	132.96
			<i>For DR 25, Deduct</i>	-293.46	
33 14 13 23-0340	EA		24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,221.02	133.66
			<i>For DR 25, Deduct</i>	-297.22	
33 14 13 23-0341	EA		24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,484.84	137.88
			<i>For DR 25, Deduct</i>	-312.54	
33 14 13 23-0342	EA		24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,755.19	145.39
			<i>For DR 25, Deduct</i>	-327.87	
33 14 13 23-0343	EA		24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,018.08	149.13
			<i>For DR 25, Deduct</i>	-343.19	
33 14 13 23-0344	EA		24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,284.71	154.77
			<i>For DR 25, Deduct</i>	-358.51	
33 14 13 23-0345	EA		24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,558.85	164.13
			<i>For DR 25, Deduct</i>	-373.83	
33 14 13 23-0346	EA		24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,832.98	173.51
			<i>For DR 25, Deduct</i>	-389.16	
<b>33 14 13 23-0347</b>			<b>Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0348	EA		4" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	302.81	22.45
			<i>For DR 25, Deduct</i>	-15.47	
33 14 13 23-0349	EA		6" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	545.49	25.26
			<i>For DR 25, Deduct</i>	-29.70	
33 14 13 23-0350	EA		8" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	755.94	28.06
			<i>For DR 25, Deduct</i>	-41.99	
33 14 13 23-0351	EA		10" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,544.60	45.02
			<i>For DR 25, Deduct</i>	-87.27	
33 14 13 23-0352	EA		12" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,831.73	56.28
			<i>For DR 25, Deduct</i>	-103.15	
33 14 13 23-0353	EA		14" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,336.24	75.04
			<i>For DR 25, Deduct</i>	-191.17	
33 14 13 23-0354	EA		16" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,140.20	93.80
			<i>For DR 25, Deduct</i>	-237.17	
33 14 13 23-0355	EA		18" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,273.18	150.08
			<i>For DR 25, Deduct</i>	-298.38	
33 14 13 23-0356	EA		20" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,331.93	187.58
			<i>For DR 25, Deduct</i>	-357.41	
33 14 13 23-0357	EA		24" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	8,932.63	253.24
			<i>For DR 25, Deduct</i>	-505.57	
<b>33 14 13 23-0358</b>			<b>Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0359	EA		6" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	529.01	23.86
			<i>For DR 25, Deduct</i>	-28.88	
33 14 13 23-0360	EA		8" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	719.12	25.26
			<i>For DR 25, Deduct</i>	-40.12	
33 14 13 23-0361	EA		8" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	737.41	26.66
			<i>For DR 25, Deduct</i>	-41.05	
33 14 13 23-0362	EA		10" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,107.28	33.77
			<i>For DR 25, Deduct</i>	-62.39	
33 14 13 23-0363	EA		10" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,291.51	35.17
			<i>For DR 25, Deduct</i>	-73.27	
33 14 13 23-0364	EA		10" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,418.95	36.58
			<i>For DR 25, Deduct</i>	-80.75	
33 14 13 23-0365	EA		12" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,455.52	48.77
			<i>For DR 25, Deduct</i>	-81.48	
33 14 13 23-0366	EA		12" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,673.45	50.18
			<i>For DR 25, Deduct</i>	-94.39	
33 14 13 23-0367	EA		12" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,777.22	51.59
			<i>For DR 25, Deduct</i>	-100.44	
33 14 13 23-0368	EA		12" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,816.70	60.03
			<i>For DR 25, Deduct</i>	-101.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0369 EA 14" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,750.64	56.28
For DR 25, Deduct	-158.28	
33 14 13 23-0370 EA 14" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,862.71	57.69
For DR 25, Deduct	-164.84	
33 14 13 23-0371 EA 14" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,976.00	59.09
For DR 25, Deduct	-171.47	
33 14 13 23-0372 EA 14" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,102.89	67.53
For DR 25, Deduct	-178.07	
33 14 13 23-0373 EA 14" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,242.09	82.54
For DR 25, Deduct	-184.62	
33 14 13 23-0374 EA 16" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,430.18	67.53
For DR 25, Deduct	-197.71	
33 14 13 23-0375 EA 16" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,543.75	68.94
For DR 25, Deduct	-204.35	
33 14 13 23-0376 EA 16" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,656.10	70.35
For DR 25, Deduct	-210.92	
33 14 13 23-0377 EA 16" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,782.88	78.79
For DR 25, Deduct	-217.52	
33 14 13 23-0378 EA 16" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,844.02	93.80
For DR 25, Deduct	-219.39	
33 14 13 23-0379 EA 16" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,046.52	101.29
For DR 25, Deduct	-230.64	
33 14 13 23-0380 EA 18" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,235.15	86.29
For DR 25, Deduct	-243.75	
33 14 13 23-0381 EA 18" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,348.44	87.70
For DR 25, Deduct	-250.38	
33 14 13 23-0382 EA 18" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,460.95	89.11
For DR 25, Deduct	-256.97	
33 14 13 23-0383 EA 18" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,586.11	97.54
For DR 25, Deduct	-263.46	
33 14 13 23-0384 EA 18" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,726.60	112.56
For DR 25, Deduct	-270.09	
33 14 13 23-0385 EA 18" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,850.81	120.05
For DR 25, Deduct	-276.64	
33 14 13 23-0386 EA 18" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,009.19	131.32
For DR 25, Deduct	-284.79	
33 14 13 23-0387 EA 20" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,370.06	105.05
For DR 25, Deduct	-309.60	
33 14 13 23-0388 EA 20" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,559.69	106.46
For DR 25, Deduct	-320.81	
33 14 13 23-0389 EA 20" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,635.59	107.87
For DR 25, Deduct	-325.19	
33 14 13 23-0390 EA 20" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,724.79	116.30
For DR 25, Deduct	-329.53	
33 14 13 23-0391 EA 20" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,827.12	131.32
For DR 25, Deduct	-333.87	
33 14 13 23-0392 EA 20" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,958.98	138.81
For DR 25, Deduct	-340.88	
33 14 13 23-0393 EA 20" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,100.68	150.08
For DR 25, Deduct	-348.03	
33 14 13 23-0394 EA 20" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,216.46	168.82
For DR 25, Deduct	-352.73	
33 14 13 23-0395 EA 24" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,276.03	137.88
For DR 25, Deduct	-360.02	
33 14 13 23-0396 EA 24" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,392.59	139.29
For DR 25, Deduct	-366.84	
33 14 13 23-0397 EA 24" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,474.22	140.70
For DR 25, Deduct	-371.57	
33 14 13 23-0398 EA 24" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,809.96	149.13
For DR 25, Deduct	-390.70	
33 14 13 23-0399 EA 24" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,158.93	164.13
For DR 25, Deduct	-409.84	
33 14 13 23-0400 EA 24" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,492.83	171.64
For DR 25, Deduct	-428.97	
33 14 13 23-0401 EA 24" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,835.61	182.89
For DR 25, Deduct	-448.19	
33 14 13 23-0402 EA 24" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	8,191.34	201.65
For DR 25, Deduct	-467.28	
33 14 13 23-0403 EA 24" x 20" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	8,548.44	220.41
For DR 25, Deduct	-486.46	
<b>33 14 13 23-0404 Couplings, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0405 EA 4" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	109.42	11.23
For DR 25, Deduct	-5.22	
33 14 13 23-0406 EA 6" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	204.77	12.63
For DR 25, Deduct	-10.77	
33 14 13 23-0407 EA 8" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	246.59	14.03
For DR 25, Deduct	-13.11	
33 14 13 23-0408 EA 10" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	350.70	22.51
For DR 25, Deduct	-18.34	
33 14 13 23-0409 EA 12" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	558.54	28.14
For DR 25, Deduct	-30.13	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0410	EA		14" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	970.05	37.52
			<i>For DR 25, Deduct</i>	-53.70	
33 14 13 23-0411	EA		16" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,148.91	46.90
			<i>For DR 25, Deduct</i>	-63.31	
33 14 13 23-0412	EA		18" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,753.79	75.04
			<i>For DR 25, Deduct</i>	-156.22	
33 14 13 23-0413	EA		20" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,086.32	93.80
			<i>For DR 25, Deduct</i>	-173.92	
33 14 13 23-0414	EA		24" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,346.09	126.63
			<i>For DR 25, Deduct</i>	-245.57	
<b>33 14 13 23-0415</b>			<b>Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0416	EA		4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	135.90	11.23
			<i>For DR 25, Deduct</i>	-6.81	
33 14 13 23-0417	EA		6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	184.90	12.63
			<i>For DR 25, Deduct</i>	-9.58	
33 14 13 23-0418	EA		8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	269.22	14.03
			<i>For DR 25, Deduct</i>	-14.47	
33 14 13 23-0419	EA		10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	368.35	22.51
			<i>For DR 25, Deduct</i>	-19.40	
33 14 13 23-0420	EA		12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	590.17	37.52
			<i>For DR 25, Deduct</i>	-30.91	
33 14 13 23-0421	EA		14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,571.35	45.02
			<i>For DR 25, Deduct</i>	-88.88	
33 14 13 23-0422	EA		16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,127.49	56.28
			<i>For DR 25, Deduct</i>	-120.90	
33 14 13 23-0423	EA		18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,620.87	75.04
			<i>For DR 25, Deduct</i>	-148.25	
33 14 13 23-0424	EA		20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,130.83	93.80
			<i>For DR 25, Deduct</i>	-176.60	
33 14 13 23-0425	EA		24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,253.21	126.63
			<i>For DR 25, Deduct</i>	-240.00	
<b>33 14 13 23-0426</b>			<b>AWWA C906, High Density Polyethylene (HDPE) Pressure Piping</b> <small>(33 14 13 23)</small>		
			Note: ASTM D3350 pipe, ASTM D2657 heat fusion.		
<b>33 14 13 23-0427</b>			<b>High Density Polyethylene (HDPE) Pressure Pipe</b> <small>(33 14 13 23-0426)</small>		
33 14 13 23-0428	LF		3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	6.96	2.73
			<i>For SDR 19, Add</i>	0.13	
			<i>For SDR 17, Add</i>	0.32	
			<i>For SDR 15.5, Add</i>	0.47	
			<i>For SDR 13.5, Add</i>	0.73	
			<i>For SDR 11, Add</i>	1.18	
33 14 13 23-0429	LF		4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	8.94	3.47
			<i>For SDR 26, Deduct</i>	-0.37	
			<i>For SDR 19, Add</i>	0.18	
			<i>For SDR 17, Add</i>	0.44	
			<i>For SDR 15.5, Add</i>	0.65	
			<i>For SDR 13.5, Add</i>	1.02	
			<i>For SDR 11, Add</i>	1.64	
33 14 13 23-0430	LF		6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	12.73	4.21
			<i>For SDR 26, Deduct</i>	-0.79	
			<i>For SDR 19, Add</i>	0.39	
			<i>For SDR 17, Add</i>	0.96	
			<i>For SDR 15.5, Add</i>	1.41	
			<i>For SDR 13.5, Add</i>	2.19	
			<i>For SDR 11, Add</i>	3.53	
33 14 13 23-0431	LF		8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	16.81	4.73
			<i>For SDR 26, Deduct</i>	-1.35	
			<i>For SDR 19, Add</i>	0.66	
			<i>For SDR 17, Add</i>	1.63	
			<i>For SDR 15.5, Add</i>	2.39	
			<i>For SDR 13.5, Add</i>	3.73	
			<i>For SDR 11, Add</i>	6.00	
33 14 13 23-0432	LF		10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	21.93	5.26
			<i>For SDR 26, Deduct</i>	-2.09	
			<i>For SDR 19, Add</i>	1.03	
			<i>For SDR 17, Add</i>	2.54	
			<i>For SDR 15.5, Add</i>	3.71	
			<i>For SDR 13.5, Add</i>	5.80	
			<i>For SDR 11, Add</i>	9.33	
33 14 13 23-0433	LF		12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	28.12	58.88
			<i>For SDR 26, Deduct</i>	-3.02	
			<i>For SDR 19, Add</i>	1.48	
			<i>For SDR 17, Add</i>	3.66	
			<i>For SDR 15.5, Add</i>	5.35	
			<i>For SDR 13.5, Add</i>	8.35	
			<i>For SDR 11, Add</i>	13.45	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0434 LF 14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	32.49	6.62
<i>For SDR 26, Deduct</i>	-3.55	
<i>For SDR 19, Add</i>	1.74	
<i>For SDR 17, Add</i>	4.30	
<i>For SDR 15.5, Add</i>	6.29	
<i>For SDR 13.5, Add</i>	9.82	
<i>For SDR 11, Add</i>	15.81	
33 14 13 23-0435 LF 16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	39.97	7.36
<i>For SDR 26, Deduct</i>	-4.63	
<i>For SDR 19, Add</i>	2.27	
<i>For SDR 17, Add</i>	5.61	
<i>For SDR 15.5, Add</i>	8.22	
<i>For SDR 13.5, Add</i>	12.83	
<i>For SDR 11, Add</i>	20.65	
33 14 13 23-0436 LF 18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	49.65	8.83
<i>For SDR 26, Deduct</i>	-5.85	
<i>For SDR 19, Add</i>	2.87	
<i>For SDR 17, Add</i>	7.09	
<i>For SDR 15.5, Add</i>	10.39	
<i>For SDR 13.5, Add</i>	16.22	
<i>For SDR 11, Add</i>	26.10	
33 14 13 23-0437 LF 20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	67.42	10.52
<i>For SDR 26, Deduct</i>	-8.50	
<i>For SDR 19, Add</i>	4.18	
<i>For SDR 17, Add</i>	10.31	
<i>For SDR 15.5, Add</i>	15.10	
<i>For SDR 13.5, Add</i>	23.56	
<i>For SDR 11, Add</i>	37.92	
33 14 13 23-0438 LF 24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	82.04	12.62
<i>For SDR 26, Deduct</i>	-10.41	
<i>For SDR 19, Add</i>	5.11	
<i>For SDR 17, Add</i>	12.62	
<i>For SDR 15.5, Add</i>	18.49	
<i>For SDR 13.5, Add</i>	28.85	
<i>For SDR 11, Add</i>	46.44	
<b>33 14 13 23-0439 90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping <small>(33 14 13 23-0426)</small></b>		
33 14 13 23-0440 EA 3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	54.72	14.03
<i>For SDR 26, Deduct</i>	-2.31	
<i>For SDR 19, Add</i>	1.14	
<i>For SDR 17, Add</i>	2.80	
<i>For SDR 15.5, Add</i>	4.11	
<i>For SDR 13.5, Add</i>	6.41	
<i>For SDR 11, Add</i>	10.32	
33 14 13 23-0441 EA 4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	61.82	15.60
<i>For SDR 26, Deduct</i>	-2.76	
<i>For SDR 19, Add</i>	1.35	
<i>For SDR 17, Add</i>	3.34	
<i>For SDR 15.5, Add</i>	4.89	
<i>For SDR 13.5, Add</i>	7.64	
<i>For SDR 11, Add</i>	12.30	
33 14 13 23-0442 EA 6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	93.42	17.83
<i>For SDR 26, Deduct</i>	-7.33	
<i>For SDR 19, Add</i>	3.60	
<i>For SDR 17, Add</i>	8.89	
<i>For SDR 15.5, Add</i>	13.01	
<i>For SDR 13.5, Add</i>	20.31	
<i>For SDR 11, Add</i>	32.69	
33 14 13 23-0443 EA 8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	146.00	20.81
<i>For SDR 26, Deduct</i>	-15.32	
<i>For SDR 19, Add</i>	7.52	
<i>For SDR 17, Add</i>	18.58	
<i>For SDR 15.5, Add</i>	27.20	
<i>For SDR 13.5, Add</i>	42.46	
<i>For SDR 11, Add</i>	68.34	
33 14 13 23-0444 EA 10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	222.70	27.79
<i>For SDR 26, Deduct</i>	-25.58	
<i>For SDR 19, Add</i>	12.56	
<i>For SDR 17, Add</i>	31.00	
<i>For SDR 15.5, Add</i>	45.40	
<i>For SDR 13.5, Add</i>	70.87	
<i>For SDR 11, Add</i>	114.07	
33 14 13 23-0445 EA 12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	329.03	41.59
<i>For SDR 26, Deduct</i>	-37.45	
<i>For SDR 19, Add</i>	18.39	
<i>For SDR 17, Add</i>	45.40	
<i>For SDR 15.5, Add</i>	66.49	
<i>For SDR 13.5, Add</i>	103.77	
<i>For SDR 11, Add</i>	167.03	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0446	EA		14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	409.99	55.50
			<i>For SDR 26, Deduct</i>	-44.65	
			<i>For SDR 19, Add</i>	21.92	
			<i>For SDR 17, Add</i>	54.12	
			<i>For SDR 15.5, Add</i>	79.26	
			<i>For SDR 13.5, Add</i>	123.71	
			<i>For SDR 11, Add</i>	199.13	
33 14 13 23-0447	EA		16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	541.11	83.17
			<i>For SDR 26, Deduct</i>	-53.47	
			<i>For SDR 19, Add</i>	26.25	
			<i>For SDR 17, Add</i>	64.81	
			<i>For SDR 15.5, Add</i>	94.92	
			<i>For SDR 13.5, Add</i>	148.15	
			<i>For SDR 11, Add</i>	238.46	
33 14 13 23-0448	EA		18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	677.63	93.56
			<i>For SDR 26, Deduct</i>	-72.76	
			<i>For SDR 19, Add</i>	35.72	
			<i>For SDR 17, Add</i>	88.20	
			<i>For SDR 15.5, Add</i>	129.16	
			<i>For SDR 13.5, Add</i>	201.61	
			<i>For SDR 11, Add</i>	324.50	
33 14 13 23-0449	EA		20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	918.74	106.19
			<i>For SDR 26, Deduct</i>	-109.41	
			<i>For SDR 19, Add</i>	53.72	
			<i>For SDR 17, Add</i>	132.63	
			<i>For SDR 15.5, Add</i>	194.23	
			<i>For SDR 13.5, Add</i>	303.17	
			<i>For SDR 11, Add</i>	487.97	
33 14 13 23-0450	EA		24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,171.13	124.81
			<i>For SDR 26, Deduct</i>	-146.07	
			<i>For SDR 19, Add</i>	71.72	
			<i>For SDR 17, Add</i>	177.07	
			<i>For SDR 15.5, Add</i>	259.31	
			<i>For SDR 13.5, Add</i>	404.74	
			<i>For SDR 11, Add</i>	651.46	
<b>33 14 13 23-0451</b>			<b>Tees, High Density Polyethylene (HDPE) Pressure Piping</b> <small>(33 14 13 23-0426)</small>		
33 14 13 23-0452	EA		3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	60.47	14.69
			<i>For SDR 26, Deduct</i>	-3.02	
			<i>For SDR 19, Add</i>	1.49	
			<i>For SDR 17, Add</i>	3.67	
			<i>For SDR 15.5, Add</i>	5.37	
			<i>For SDR 13.5, Add</i>	8.38	
			<i>For SDR 11, Add</i>	13.49	
33 14 13 23-0453	EA		4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	69.31	16.64
			<i>For SDR 26, Deduct</i>	-3.56	
			<i>For SDR 19, Add</i>	1.75	
			<i>For SDR 17, Add</i>	4.32	
			<i>For SDR 15.5, Add</i>	6.32	
			<i>For SDR 13.5, Add</i>	9.87	
			<i>For SDR 11, Add</i>	15.88	
33 14 13 23-0454	EA		6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	108.33	19.20
			<i>For SDR 26, Deduct</i>	-9.31	
			<i>For SDR 19, Add</i>	4.57	
			<i>For SDR 17, Add</i>	11.28	
			<i>For SDR 15.5, Add</i>	16.52	
			<i>For SDR 13.5, Add</i>	25.79	
			<i>For SDR 11, Add</i>	41.51	
33 14 13 23-0455	EA		8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	196.85	22.69
			<i>For SDR 26, Deduct</i>	-23.61	
			<i>For SDR 19, Add</i>	11.59	
			<i>For SDR 17, Add</i>	28.63	
			<i>For SDR 15.5, Add</i>	41.92	
			<i>For SDR 13.5, Add</i>	65.43	
			<i>For SDR 11, Add</i>	105.32	
33 14 13 23-0456	EA		10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	269.53	33.31
			<i>For SDR 26, Deduct</i>	-31.11	
			<i>For SDR 19, Add</i>	15.27	
			<i>For SDR 17, Add</i>	37.71	
			<i>For SDR 15.5, Add</i>	55.23	
			<i>For SDR 13.5, Add</i>	86.20	
			<i>For SDR 11, Add</i>	138.75	
33 14 13 23-0457	EA		12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	381.47	49.96
			<i>For SDR 26, Deduct</i>	-42.48	
			<i>For SDR 19, Add</i>	20.86	
			<i>For SDR 17, Add</i>	51.49	
			<i>For SDR 15.5, Add</i>	75.41	
			<i>For SDR 13.5, Add</i>	117.71	
			<i>For SDR 11, Add</i>	189.46	
33 14 13 23-0458	EA		14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	459.76	62.41
			<i>For SDR 26, Deduct</i>	-49.98	
			<i>For SDR 19, Add</i>	24.54	
			<i>For SDR 17, Add</i>	60.58	
			<i>For SDR 15.5, Add</i>	88.72	
			<i>For SDR 13.5, Add</i>	138.48	
			<i>For SDR 11, Add</i>	222.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0459 EA 16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	604.58	93.56
For SDR 26, Deduct	-59.35	
For SDR 19, Add	29.14	
For SDR 17, Add	71.94	
For SDR 15.5, Add	105.35	
For SDR 13.5, Add	164.44	
For SDR 11, Add	264.68	
33 14 13 23-0460 EA 18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	776.80	108.99
For SDR 26, Deduct	-82.46	
For SDR 19, Add	40.49	
For SDR 17, Add	99.96	
For SDR 15.5, Add	146.39	
For SDR 13.5, Add	228.49	
For SDR 11, Add	367.77	
33 14 13 23-0461 EA 20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,084.08	128.74
For SDR 26, Deduct	-127.13	
For SDR 19, Add	62.42	
For SDR 17, Add	154.10	
For SDR 15.5, Add	225.68	
For SDR 13.5, Add	352.25	
For SDR 11, Add	566.97	
33 14 13 23-0462 EA 24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,405.01	156.06
For SDR 26, Deduct	-171.79	
For SDR 19, Add	84.35	
For SDR 17, Add	208.25	
For SDR 15.5, Add	304.97	
For SDR 13.5, Add	476.01	
For SDR 11, Add	766.18	
<b>33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping (33 14 13)</b>		
See CSI section 22 11 16 00-0013 for galvanized steel pipe.		
<b>33 14 13 36 Steel Public Water Utility Distribution Piping (33 14 13)</b>		
<b>33 14 13 36-0001 Steel Piping (33 14 13 36)</b>		
<b>33 14 13 36-0002 Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0001)</b>		
Note: ASTM A252 steel pipe.		
<b>33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)</b>		
33 14 13 36-0004 LF 8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	107.54	25.38
For <100, Add	11.14	
For >1,000, Deduct	-5.38	
33 14 13 36-0005 LF 8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	129.54	25.38
For <100, Add	12.24	
For >1,000, Deduct	-6.48	
33 14 13 36-0006 LF 10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	128.46	27.68
For <100, Add	12.71	
For >1,000, Deduct	-6.42	
33 14 13 36-0007 LF 10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	156.27	27.68
For <100, Add	14.10	
For >1,000, Deduct	-7.81	
33 14 13 36-0008 LF 12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	156.40	29.00
For <100, Add	14.41	
For >1,000, Deduct	-7.82	
33 14 13 36-0009 LF 12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	178.03	29.00
For <100, Add	15.49	
For >1,000, Deduct	-8.90	
33 14 13 36-0010 LF 14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	190.11	32.06
For <100, Add	16.79	
For >1,000, Deduct	-9.51	
33 14 13 36-0011 LF 14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	207.39	32.06
For <100, Add	17.66	
For >1,000, Deduct	-10.37	
33 14 13 36-0012 LF 16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	201.81	33.84
For <100, Add	17.78	
For >1,000, Deduct	-10.09	
33 14 13 36-0013 LF 16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	215.16	33.84
For <100, Add	18.45	
For >1,000, Deduct	-10.76	
33 14 13 36-0014 LF 18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	250.85	38.06
For <100, Add	21.19	
For >1,000, Deduct	-12.54	
33 14 13 36-0015 LF 20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	272.73	38.06
For <100, Add	22.29	
For >1,000, Deduct	-13.64	
<b>33 14 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)</b>		
33 14 13 36-0017 LF 12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	217.46	50.42
For <100, Add	18.80	
For >1,000, Deduct	-10.87	
33 14 13 36-0018 LF 14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	258.62	55.47
For <100, Add	21.69	
For >1,000, Deduct	-12.93	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0019	LF		16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	287.69	57.99
			<i>For &lt;100, Add</i>	23.63	
			<i>For &gt;1,000, Deduct</i>	-14.38	
33 14 13 36-0020	LF		18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	324.57	65.55
			<i>For &lt;100, Add</i>	26.63	
			<i>For &gt;1,000, Deduct</i>	-16.23	
33 14 13 36-0021	LF		18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	339.40	65.55
			<i>For &lt;100, Add</i>	27.37	
			<i>For &gt;1,000, Deduct</i>	-16.97	
33 14 13 36-0022	LF		20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	353.12	65.55
			<i>For &lt;100, Add</i>	28.06	
			<i>For &gt;1,000, Deduct</i>	-17.66	
33 14 13 36-0023	LF		20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	368.94	65.55
			<i>For &lt;100, Add</i>	28.85	
			<i>For &gt;1,000, Deduct</i>	-18.45	
33 14 13 36-0024	LF		24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	427.79	75.63
			<i>For &lt;100, Add</i>	33.28	
			<i>For &gt;1,000, Deduct</i>	-21.39	
33 14 13 36-0025	LF		24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	476.73	75.63
			<i>For &lt;100, Add</i>	35.72	
			<i>For &gt;1,000, Deduct</i>	-23.84	
33 14 13 36-0026	LF		24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	596.87	75.63
			<i>For &lt;100, Add</i>	41.73	
			<i>For &gt;1,000, Deduct</i>	-29.84	
33 14 13 36-0027	LF		30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	532.45	88.25
			<i>For &lt;100, Add</i>	40.49	
			<i>For &gt;1,000, Deduct</i>	-26.62	
33 14 13 36-0028	LF		30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	552.47	88.25
			<i>For &lt;100, Add</i>	41.49	
			<i>For &gt;1,000, Deduct</i>	-27.62	
33 14 13 36-0029	LF		30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	741.33	88.25
			<i>For &lt;100, Add</i>	50.93	
			<i>For &gt;1,000, Deduct</i>	-37.07	
33 14 13 36-0030	LF		36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	636.27	88.25
			<i>For &lt;100, Add</i>	45.68	
			<i>For &gt;1,000, Deduct</i>	-31.81	
33 14 13 36-0031	LF		36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	745.73	105.89
			<i>For &lt;100, Add</i>	53.93	
			<i>For &gt;1,000, Deduct</i>	-37.29	
33 14 13 36-0032	LF		36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	892.19	105.89
			<i>For &lt;100, Add</i>	61.25	
			<i>For &gt;1,000, Deduct</i>	-44.61	
33 14 13 36-0033	LF		36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	855.61	105.89
			<i>For &lt;100, Add</i>	59.42	
			<i>For &gt;1,000, Deduct</i>	-42.78	
33 14 13 36-0034	LF		42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,315.97	118.49
			<i>For &lt;100, Add</i>	84.29	
			<i>For &gt;1,000, Deduct</i>	-65.80	
33 14 13 36-0035	LF		42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	793.65	118.49
			<i>For &lt;100, Add</i>	58.17	
			<i>For &gt;1,000, Deduct</i>	-39.68	
33 14 13 36-0036	LF		48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,509.37	133.63
			<i>For &lt;100, Add</i>	96.27	
			<i>For &gt;1,000, Deduct</i>	-75.47	
33 14 13 36-0037	LF		48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	870.37	133.63
			<i>For &lt;100, Add</i>	64.32	
			<i>For &gt;1,000, Deduct</i>	-43.52	
33 14 13 36-0038	LF		54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,579.85	151.27
			<i>For &lt;100, Add</i>	102.76	
			<i>For &gt;1,000, Deduct</i>	-78.99	
33 14 13 36-0039	LF		54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,746.71	151.27
			<i>For &lt;100, Add</i>	111.11	
			<i>For &gt;1,000, Deduct</i>	-87.34	
33 14 13 36-0040	LF		60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,952.33	176.48
			<i>For &lt;100, Add</i>	125.35	
			<i>For &gt;1,000, Deduct</i>	-97.62	
33 14 13 36-0041	LF		66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,359.07	176.48
			<i>For &lt;100, Add</i>	95.69	
			<i>For &gt;1,000, Deduct</i>	-67.95	
33 14 13 36-0042	LF		72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,496.74	145.22
			<i>For &lt;100, Add</i>	118.40	
			<i>For &gt;1,000, Deduct</i>	-74.84	
33 14 13 36-0043	LF		78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	2,836.54	145.22
			<i>For &lt;100, Add</i>	185.39	
			<i>For &gt;1,000, Deduct</i>	-141.83	
<b>33 14 13 36-0044</b>			<b>Flexible Couplings (Dresser Style 38)</b> <small>(33 14 13 36-0001)</small>		
33 14 13 36-0045	EA		2" Dresser Coupling For Plain End Welded Steel Pipe.....	109.37	25.07
33 14 13 36-0046	EA		3" Dresser Coupling For Plain End Welded Steel Pipe.....	160.28	48.21
33 14 13 36-0047	EA		4" Dresser Coupling For Plain End Welded Steel Pipe.....	213.29	63.64
33 14 13 36-0048	EA		6" Dresser Coupling For Plain End Welded Steel Pipe.....	340.53	96.42
33 14 13 36-0049	EA		8" Dresser Coupling For Plain End Welded Steel Pipe.....	446.12	121.49
33 14 13 36-0050	EA		10" Dresser Coupling For Plain End Welded Steel Pipe.....	615.13	147.82
33 14 13 36-0051	EA		12" Dresser Coupling For Plain End Welded Steel Pipe.....	730.23	185.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0052 EA 14" Dresser Coupling For Plain End Welded Steel Pipe.....	786.16	185.27
33 14 13 36-0053 EA 16" Dresser Coupling For Plain End Welded Steel Pipe.....	830.70	211.88
33 14 13 36-0054 EA 18" Dresser Coupling For Plain End Welded Steel Pipe.....	910.24	226.66
33 14 13 36-0055 EA 20" Dresser Coupling For Plain End Welded Steel Pipe.....	992.84	256.23
33 14 13 36-0056 EA 24" Dresser Coupling For Plain End Welded Steel Pipe.....	1,252.57	271.01
33 14 13 36-0057 EA 30" Dresser Coupling For Plain End Welded Steel Pipe.....	1,501.53	295.65
33 14 13 36-0058 EA 36" Dresser Coupling For Plain End Welded Steel Pipe.....	1,760.72	332.60
33 14 13 36-0059 EA 42" Dresser Coupling For Plain End Welded Steel Pipe.....	2,032.51	374.48
33 14 13 36-0060 EA 48" Dresser Coupling For Plain End Welded Steel Pipe.....	2,364.37	431.16
33 14 13 36-0061 EA 54" Dresser Coupling For Plain End Welded Steel Pipe.....	2,622.46	492.75
33 14 13 36-0062 EA 60" Dresser Coupling For Plain End Welded Steel Pipe.....	3,019.95	615.93
33 14 13 36-0063 EA 66" Dresser Coupling For Plain End Welded Steel Pipe.....	3,480.38	748.98
33 14 13 36-0064 EA 72" Dresser Coupling For Plain End Welded Steel Pipe.....	4,148.40	886.94

**33 14 13 39 Copper Public Water Utility Distribution Piping (33 14 13)**

**33 14 13 39-0001 Type L Copper Water Distribution Piping (33 14 13 39)**

33 14 13 39-0002 LF 1/2" Type L Copper Water Distribution Pipe.....	7.85	1.80
33 14 13 39-0003 LF 3/4" Type L Copper Water Distribution Pipe.....	10.29	2.03
33 14 13 39-0004 LF 1" Type L Copper Water Distribution Pipe.....	13.77	2.25
33 14 13 39-0005 LF 1-1/4" Type L Copper Water Distribution Pipe.....	17.47	2.70
33 14 13 39-0006 LF 1-1/2" Type L Copper Water Distribution Pipe.....	21.72	3.60
33 14 13 39-0007 LF 2" Type L Copper Water Distribution Pipe.....	32.55	4.50
33 14 13 39-0008 LF 2-1/2" Type L Copper Water Distribution Pipe.....	40.59	5.41
33 14 13 39-0009 LF 3" Type L Copper Water Distribution Pipe.....	51.66	5.94
33 14 13 39-0010 LF 3-1/2" Type L Copper Water Distribution Pipe.....	69.20	7.48
33 14 13 39-0011 LF 4" Type L Copper Water Distribution Pipe.....	91.77	9.45
33 14 13 39-0012 LF 5" Type L Copper Water Distribution Pipe.....	151.24	11.80
33 14 13 39-0013 LF 6" Type L Copper Water Distribution Pipe.....	196.30	14.23
33 14 13 39-0014 LF 8" Type L Copper Water Distribution Pipe.....	346.45	15.93

**33 14 13 39-0015 Type K Copper Water Distribution Piping (33 14 13 39)**

33 14 13 39-0016 LF 1/2" Type K Copper Water Distribution Pipe.....	8.47	1.80
33 14 13 39-0017 LF 3/4" Type K Copper Water Distribution Pipe.....	12.48	2.03
33 14 13 39-0018 LF 1" Type K Copper Water Distribution Pipe.....	15.96	2.25
33 14 13 39-0019 LF 1-1/4" Type K Copper Water Distribution Pipe.....	18.82	2.70
33 14 13 39-0020 LF 1-1/2" Type K Copper Water Distribution Pipe.....	23.72	3.60
33 14 13 39-0021 LF 2" Type K Copper Water Distribution Pipe.....	35.24	4.50
33 14 13 39-0022 LF 2-1/2" Type K Copper Water Distribution Pipe.....	48.05	5.41
33 14 13 39-0023 LF 3" Type K Copper Water Distribution Pipe.....	62.83	5.94
33 14 13 39-0024 LF 3-1/2" Type K Copper Water Distribution Pipe.....	82.34	7.48
33 14 13 39-0025 LF 4" Type K Copper Water Distribution Pipe.....	111.70	9.45
33 14 13 39-0026 LF 5" Type K Copper Water Distribution Pipe.....	192.49	11.80
33 14 13 39-0027 LF 6" Type K Copper Water Distribution Pipe.....	270.47	14.23
33 14 13 39-0028 LF 8" Type K Copper Water Distribution Pipe.....	483.34	15.93

**33 14 13 43 Public Water Utility Distribution Piping Coatings and Wraps (33 14 13)**

**33 14 13 43-0001 Pipe Coatings (33 14 13 43)**

**33 14 13 43-0002 Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating (33 14 13 43-0001)**  
Note: Applied at fabrication shop.

33 14 13 43-0003 LF 8" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	2.68	
33 14 13 43-0004 LF 10" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	3.19	
33 14 13 43-0005 LF 12" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	3.77	
33 14 13 43-0006 LF 14" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	5.01	
33 14 13 43-0007 LF 16" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	5.71	
33 14 13 43-0008 LF 18" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	6.01	
33 14 13 43-0009 LF 20" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	6.47	
33 14 13 43-0010 LF 24" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	7.54	
33 14 13 43-0011 LF 30" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	9.90	
33 14 13 43-0012 LF 36" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	15.64	

**33 14 13 43-0013 Cement Coating With Fiberglass Or Wire Mesh Reinforcing (33 14 13 43-0001)**

Note: Applied at fabrication shop. Thickness ranging between 1" and 2".

33 14 13 43-0014 LF 4" Diameter Cement Coated Pipe 1" To 2" Mesh.....	8.57	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0015 LF 6" Diameter Cement Coated Pipe 1" To 2" Mesh.....	10.55	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0016 LF 8" Diameter Cement Coated Pipe 1" To 2" Mesh.....	13.19	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0017 LF 10" Diameter Cement Coated Pipe 1" To 2" Mesh.....	14.69	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0018 LF 12" Diameter Cement Coated Pipe 1" To 2" Mesh.....	16.59	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0019 LF 14" Diameter Cement Coated Pipe 1" To 2" Mesh.....	19.42	
Note: Reinforcing applied at fabrication shop.		

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 43-0020	LF	16" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.		22.06	
33 14 13 43-0021	LF	18" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.		24.89	
33 14 13 43-0022	LF	20" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.		27.67	
33 14 13 43-0023	LF	24" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.		33.19	
33 14 13 43-0024	LF	30" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.		41.48	
33 14 13 43-0025	LF	36" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.		49.78	
33 14 13 43-0026	LF	42" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.		25.10	
33 14 13 43-0027	LF	48" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.		28.68	
33 14 13 43-0028	LF	54" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.		32.27	
33 14 13 43-0029	LF	60" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.		35.85	
33 14 13 43-0030	LF	66" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.		39.44	
33 14 13 43-0031	LF	72" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.		43.02	
33 14 13 43-0032	LF	78" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.		46.61	
<b>33 14 13 43-0033</b>		<b>Pipe Lining</b> <small>(33 14 13 43)</small>			
<b>33 14 13 43-0034</b>		<b>Cement Pipe Lining</b> <small>(33 14 13 43-0033)</small> Note: Shop applied.			
33 14 13 43-0035	LF	4" Outside Diameter, 1/4" Thick Cement Pipe Lining		12.80	
		<i>For 1/2" Thick, Add</i>		1.14	
33 14 13 43-0036	LF	6" Outside Diameter, 1/4" Thick Cement Pipe Lining		15.87	
		<i>For 1/2" Thick, Add</i>		1.41	
33 14 13 43-0037	LF	8" Outside Diameter, 1/4" Thick Cement Pipe Lining		19.40	
		<i>For 1/2" Thick, Add</i>		1.76	
33 14 13 43-0038	LF	10" Outside Diameter, 1/4" Thick Cement Pipe Lining		25.14	
		<i>For 1/2" Thick, Add</i>		2.20	
33 14 13 43-0039	LF	12" Outside Diameter, 1/4" Thick Cement Pipe Lining		30.91	
		<i>For 1/2" Thick, Add</i>		2.64	
33 14 13 43-0040	LF	14" Outside Diameter, 1/4" Thick Cement Pipe Lining		39.35	
		<i>For 1/2" Thick, Add</i>		3.09	
33 14 13 43-0041	LF	16" Outside Diameter, 1/4" Thick Cement Pipe Lining		50.74	
		<i>For 1/2" Thick, Add</i>		3.52	
33 14 13 43-0042	LF	18" Outside Diameter, 5/16" Thick Cement Pipe Lining		60.51	
		<i>For 1/2" Thick, Add</i>		3.37	
33 14 13 43-0043	LF	20" Outside Diameter, 5/16" Thick Cement Pipe Lining		72.89	
		<i>For 1/2" Thick, Add</i>		3.75	
33 14 13 43-0044	LF	24" Outside Diameter, 5/16" Thick Cement Pipe Lining		88.35	
		<i>For 1/2" Thick, Add</i>		4.49	
33 14 13 43-0045	LF	30" Outside Diameter, 5/16" Thick Cement Pipe Lining		106.45	
		<i>For 1/2" Thick, Add</i>		5.62	
33 14 13 43-0046	LF	36" Outside Diameter, 5/16" Thick Cement Pipe Lining		128.10	
		<i>For 1/2" Thick, Add</i>		6.74	
33 14 13 43-0047	LF	42" Outside Diameter, 3/8" Thick Cement Pipe Lining		149.48	
		<i>For 1/2" Thick, Add</i>		5.78	
33 14 13 43-0048	LF	48" Outside Diameter, 3/8" Thick Cement Pipe Lining		170.77	
		<i>For 1/2" Thick, Add</i>		6.61	
33 14 13 43-0049	LF	54" Outside Diameter, 3/8" Thick Cement Pipe Lining		192.15	
		<i>For 1/2" Thick, Add</i>		7.44	
33 14 13 43-0050	LF	60" Outside Diameter, 3/8" Thick Cement Pipe Lining		213.54	
		<i>For 1/2" Thick, Add</i>		8.26	
33 14 13 43-0051	LF	66" Outside Diameter, 7/16" Thick Cement Pipe Lining		234.82	
		<i>For 1/2" Thick, Add</i>		4.85	
33 14 13 43-0052	LF	72" Outside Diameter, 7/16" Thick Cement Pipe Lining		256.21	
		<i>For 1/2" Thick, Add</i>		5.29	
33 14 13 43-0053	LF	78" Outside Diameter, 7/16" Thick Cement Pipe Lining		277.59	
		<i>For 1/2" Thick, Add</i>		5.73	
<b>33 14 13 43-0054</b>		<b>Cement Fitting Lining</b> <small>(33 14 13 43-0033)</small> Note: Shop applied.			
33 14 13 43-0055	EA	4" Outside Diameter, 1/4" Thick Cement Fitting Lining		12.80	
		<i>For 1/2" Thick, Add</i>		1.14	
33 14 13 43-0056	EA	6" Outside Diameter, 1/4" Thick Cement Fitting Lining		15.87	
		<i>For 1/2" Thick, Add</i>		1.41	
33 14 13 43-0057	EA	8" Outside Diameter, 1/4" Thick Cement Fitting Lining		24.70	
		<i>For 1/2" Thick, Add</i>		2.29	
33 14 13 43-0058	EA	10" Outside Diameter, 1/4" Thick Cement Fitting Lining		40.58	
		<i>For 1/2" Thick, Add</i>		3.52	
33 14 13 43-0059	EA	12" Outside Diameter, 1/4" Thick Cement Fitting Lining		61.82	
		<i>For 1/2" Thick, Add</i>		5.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0060 EA 14" Outside Diameter, 1/4" Thick Cement Fitting Lining ..... <i>For 1/2" Thick, Add</i>	91.31 7.12	
33 14 13 43-0061 EA 16" Outside Diameter, 1/4" Thick Cement Fitting Lining ..... <i>For 1/2" Thick, Add</i>	134.14 9.14	
33 14 13 43-0062 EA 18" Outside Diameter, 5/16" Thick Cement Fittings Lining ..... <i>For 1/2" Thick, Add</i>	181.54 10.11	
33 14 13 43-0063 EA 20" Outside Diameter, 5/16" Thick Cement Fitting Lining ..... <i>For 1/2" Thick, Add</i>	242.86 12.48	
33 14 13 43-0064 EA 24" Outside Diameter, 5/16" Thick Cement Fitting Lining ..... <i>For 1/2" Thick, Add</i>	353.41 17.98	
<b>33 14 13 43-0065 8 Mil Polyethylene Encasement Tubing (33 14 13 43)</b> Note: ANSI/AWWA C105/A21.5-99 section 4.2.		
33 14 13 43-0066 LF 3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing.....	0.87	
33 14 13 43-0067 LF 10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.46	
33 14 13 43-0068 LF 14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.83	
33 14 13 43-0069 LF 18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.32	
33 14 13 43-0070 LF 24" Diameter, 8 Mil Polyethylene Encasement Tubing.....	3.22	
33 14 13 43-0071 LF 30" Diameter, 8 Mil Polyethylene Encasement Tubing.....	4.15	
33 14 13 43-0072 LF 36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing.....	5.28	
33 14 13 43-0073 LF 48" Diameter, 8 Mil Polyethylene Encasement Tubing.....	6.30	
33 14 13 43-0074 LF 54" Diameter, 8 Mil Polyethylene Encasement Tubing.....	7.51	
33 14 13 43-0075 LF 60" Diameter, 8 Mil Polyethylene Encasement Tubing.....	8.35	
<b>33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters (33 14 13)</b>		
<b>33 14 13 53-0001 Double Stud Stainless Steel Service Saddles (33 14 13 53)</b> Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.		
33 14 13 53-0002 EA 4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) .....	245.76	
33 14 13 53-0003 EA 4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) .....	349.68	
33 14 13 53-0004 EA 4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	360.74	
33 14 13 53-0005 EA 6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) .....	295.96	
33 14 13 53-0006 EA 6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	373.83	
33 14 13 53-0007 EA 8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) .....	308.95	
33 14 13 53-0008 EA 8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	391.27	
33 14 13 53-0009 EA 10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) .....	348.87	
33 14 13 53-0010 EA 10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) .....	412.16	
33 14 13 53-0011 EA 12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) .....	363.55	
33 14 13 53-0012 EA 12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	423.51	
<b>33 14 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles (33 14 13 53)</b> Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.		
33 14 13 53-0014 EA 1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	202.58	
33 14 13 53-0015 EA 2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	202.73	
33 14 13 53-0016 EA 2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	215.65	
33 14 13 53-0017 EA 2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	206.34	
33 14 13 53-0018 EA 3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	220.81	
33 14 13 53-0019 EA 3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	244.86	
33 14 13 53-0020 EA 3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	260.48	
33 14 13 53-0021 EA 4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	237.76	
33 14 13 53-0022 EA 4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	262.01	
33 14 13 53-0023 EA 4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	275.25	
33 14 13 53-0024 EA 5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	250.80	
33 14 13 53-0025 EA 5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	275.87	
33 14 13 53-0026 EA 5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	289.02	
33 14 13 53-0027 EA 6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	264.34	
33 14 13 53-0028 EA 6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	288.64	
33 14 13 53-0029 EA 6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	301.62	
33 14 13 53-0030 EA 6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	448.82	
33 14 13 53-0031 EA 6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	459.88	
33 14 13 53-0032 EA 8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	286.72	
33 14 13 53-0033 EA 8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	316.27	
33 14 13 53-0034 EA 8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	328.25	
33 14 13 53-0035 EA 8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	533.04	
33 14 13 53-0036 EA 10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	322.15	
33 14 13 53-0037 EA 10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	357.76	
33 14 13 53-0038 EA 10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	596.69	
33 14 13 53-0039 EA 12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	351.15	
33 14 13 53-0040 EA 12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	388.86	
33 14 13 53-0041 EA 12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	402.63	
33 14 13 53-0042 EA 12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	667.48	
33 14 13 53-0043 EA 14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	411.99	
33 14 13 53-0044 EA 14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	441.35	
33 14 13 53-0045 EA 14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	475.91	

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UNIT COST UNIT COST

33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	824.32
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	423.04
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	483.53
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	503.68
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	886.77
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	442.10
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	504.82
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	525.53
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	922.91
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	490.67
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	568.97
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	561.28
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	622.03
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	586.35
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	663.21

### 33 14 13 53-0061 Double Bale Bronze Service Saddles (33 14 13 53)

33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	283.31
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	310.21
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	322.36
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	349.52
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	360.13
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	378.51
33 14 13 53-0068	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	347.78
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	370.17
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	444.83
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	481.66
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	676.99
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	766.30
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	788.68
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	881.79

### 33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle (33 14 13 53)

Note: Taps are compression or NPT.

33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	298.38
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	329.23
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	340.16
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	369.85
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	382.13
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	401.69
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	431.65
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	462.32
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	464.99
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	504.42
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	726.95
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	836.95
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	847.96
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	924.81
33 14 13 53-0091	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	1,786.03
33 14 13 53-0092	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	1,786.03
33 14 13 53-0093	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	1,852.79
33 14 13 53-0094	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	1,852.79
33 14 13 53-0095	EA	24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	1,988.99
33 14 13 53-0096	EA	24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	1,988.99

### 33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve (33 14 13 53)

33 14 13 53-0098	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	1,351.81
33 14 13 53-0099	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	1,631.22
33 14 13 53-0100	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	1,952.59
33 14 13 53-0101	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	2,068.24
33 14 13 53-0102	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	3,172.28
33 14 13 53-0103	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	3,334.76
33 14 13 53-0104	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	3,403.55
33 14 13 53-0105	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	3,338.16
33 14 13 53-0106	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	3,499.98
33 14 13 53-0107	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	3,896.53
33 14 13 53-0108	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	3,996.01
33 14 13 53-0109	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	6,742.27
33 14 13 53-0110	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	6,925.32
33 14 13 53-0111	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	7,006.77
33 14 13 53-0112	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	7,040.89
33 14 13 53-0113	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	7,299.58
33 14 13 53-0114	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	7,285.54





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33 14 13 53-0115 EA 16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,307.67	
33 14 13 53-0116 EA 16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,512.40	
33 14 13 53-0117 EA 16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,559.49	
33 14 13 53-0118 EA 16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,611.47	
33 14 13 53-0119 EA 16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	11,734.74	
33 14 13 53-0120 EA 16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,982.26	
33 14 13 53-0121 EA 18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	10,165.97	
33 14 13 53-0122 EA 18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	10,630.23	
33 14 13 53-0123 EA 18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	10,756.81	
33 14 13 53-0124 EA 18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	11,144.52	
33 14 13 53-0125 EA 20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	9,487.12	
33 14 13 53-0126 EA 20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	9,131.67	
33 14 13 53-0127 EA 20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	9,307.79	
33 14 13 53-0128 EA 20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	9,375.61	
33 14 13 53-0129 EA 20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	9,719.68	
33 14 13 53-0130 EA 20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	13,197.51	
33 14 13 53-0131 EA 20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	13,450.79	
33 14 13 53-0132 EA 24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	11,475.53	
33 14 13 53-0133 EA 24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	11,633.09	
33 14 13 53-0134 EA 24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	11,677.58	
33 14 13 53-0135 EA 24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	16,239.89	
33 14 13 53-0136 EA 24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	16,448.08	
33 14 13 53-0137 EA 24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	16,492.31	
33 14 13 53-0138 EA 24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	16,946.41	
33 14 13 53-0139 EA 24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	17,160.49	
<b>33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve <small>(33 14 13 53)</small></b>		
33 14 13 53-0141 EA 4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,115.07	
33 14 13 53-0142 EA 6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,179.36	
33 14 13 53-0143 EA 6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,292.29	
33 14 13 53-0144 EA 8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,325.71	
33 14 13 53-0145 EA 8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,381.10	
33 14 13 53-0146 EA 8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,593.58	
33 14 13 53-0147 EA 10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,444.71	
33 14 13 53-0148 EA 10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,498.60	
33 14 13 53-0149 EA 10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,685.16	
33 14 13 53-0150 EA 10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,352.98	
33 14 13 53-0151 EA 12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,621.14	
33 14 13 53-0152 EA 12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,701.02	
33 14 13 53-0153 EA 12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,884.57	
33 14 13 53-0154 EA 12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,482.65	
33 14 13 53-0155 EA 12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,713.26	
33 14 13 53-0156 EA 14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,144.46	
33 14 13 53-0157 EA 14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,210.23	
33 14 13 53-0158 EA 14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,606.19	
33 14 13 53-0159 EA 14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,097.55	
33 14 13 53-0160 EA 14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,416.43	
33 14 13 53-0161 EA 16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,552.16	
33 14 13 53-0162 EA 16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,620.11	
33 14 13 53-0163 EA 16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,881.62	
33 14 13 53-0164 EA 16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,585.18	
33 14 13 53-0165 EA 16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,750.06	
33 14 13 53-0166 EA 18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,696.59	
33 14 13 53-0167 EA 18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,821.17	
33 14 13 53-0168 EA 18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,994.97	
33 14 13 53-0169 EA 18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,823.18	
33 14 13 53-0170 EA 18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,987.88	
33 14 13 53-0171 EA 20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,263.73	
33 14 13 53-0172 EA 20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,331.54	
33 14 13 53-0173 EA 20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,723.81	
33 14 13 53-0174 EA 20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	4,388.40	
33 14 13 53-0175 EA 20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	4,669.35	
33 14 13 53-0176 EA 24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,517.24	
33 14 13 53-0177 EA 24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,668.01	
33 14 13 53-0178 EA 24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,872.23	
33 14 13 53-0179 EA 24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	4,816.26	
33 14 13 53-0180 EA 24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	4,988.07	
<b>33 14 13 53-0181 Stainless Steel Flange, Stainless Steel Tapping Sleeve <small>(33 14 13 53)</small></b>		
33 14 13 53-0182 EA 4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,296.12	
33 14 13 53-0183 EA 6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,408.03	
33 14 13 53-0184 EA 6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,491.55	
33 14 13 53-0185 EA 8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,516.99	
33 14 13 53-0186 EA 8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,613.46	
33 14 13 53-0187 EA 8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,905.30	
33 14 13 53-0188 EA 10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,740.84	
33 14 13 53-0189 EA 10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,848.02	
33 14 13 53-0190 EA 10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	2,109.41	
33 14 13 53-0191 EA 10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	2,867.15	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 53-0192	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,984.68	
33 14 13 53-0193	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,131.44	
33 14 13 53-0194	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,477.33	
33 14 13 53-0195	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,928.54	
33 14 13 53-0196	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,273.07	
33 14 13 53-0197	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,264.24	
33 14 13 53-0198	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,444.69	
33 14 13 53-0199	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,834.39	
33 14 13 53-0200	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,286.04	
33 14 13 53-0201	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,524.05	
33 14 13 53-0202	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,769.74	
33 14 13 53-0203	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,017.09	
33 14 13 53-0204	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,205.14	
33 14 13 53-0205	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,690.90	
33 14 13 53-0206	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,019.83	
33 14 13 53-0207	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,047.78	
33 14 13 53-0208	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,418.38	
33 14 13 53-0209	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,614.73	
33 14 13 53-0210	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,041.36	
33 14 13 53-0211	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,606.40	
33 14 13 53-0212	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,284.47	
33 14 13 53-0213	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,654.12	
33 14 13 53-0214	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,813.29	
33 14 13 53-0215	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,608.79	
33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,050.76	
33 14 13 53-0217	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,900.25	
33 14 13 53-0218	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,951.28	
33 14 13 53-0219	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,142.53	
33 14 13 53-0220	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,092.42	
33 14 13 53-0221	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,598.57	

**33 14 13 53-0222 Ductile Iron Body, Flanged Coupling Adapter** (33 14 13 53)

33 14 13 53-0223	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	321.83	56.27
33 14 13 53-0224	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	403.16	70.95
33 14 13 53-0225	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	529.39	97.87
33 14 13 53-0226	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	687.96	115.00
33 14 13 53-0227	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,088.42	129.67
33 14 13 53-0228	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,215.62	146.80

**33 14 13 53-0229 Steel Body, Flanged Coupling Adapter** (33 14 13 53)

33 14 13 53-0230	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	473.69	56.27
33 14 13 53-0231	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	559.42	70.95
33 14 13 53-0232	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	746.45	97.87
33 14 13 53-0233	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	913.87	115.00
33 14 13 53-0234	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,117.40	129.67
33 14 13 53-0235	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,302.77	146.80
33 14 13 53-0236	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,549.83	161.49
33 14 13 53-0237	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,837.93	176.16
33 14 13 53-0238	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,172.79	193.78
33 14 13 53-0239	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,570.12	213.16

**33 14 13 53-0240 Steel Body, Flanged-Lock Restrained Coupling Adapters** (33 14 13 53)

33 14 13 53-0241	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	413.32	70.95
33 14 13 53-0242	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	554.46	97.87
33 14 13 53-0243	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	612.94	115.00
33 14 13 53-0244	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	900.86	129.67
33 14 13 53-0245	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,150.23	146.80
33 14 13 53-0246	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,290.60	161.49
33 14 13 53-0247	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,519.21	176.16
33 14 13 53-0248	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,705.51	193.78
33 14 13 53-0249	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,052.72	213.16
33 14 13 53-0250	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,476.23	234.50
33 14 13 53-0251	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	5,193.09	257.88
33 14 13 53-0252	EA	36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	7,018.45	283.72

**33 14 13 53-0253 Ductile Iron Body, Omni Coupling System** (33 14 13 53)

33 14 13 53-0254	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	143.38	39.15
33 14 13 53-0255	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	177.15	46.49
33 14 13 53-0256	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	219.50	56.27
33 14 13 53-0257	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	275.60	70.95
33 14 13 53-0258	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	367.20	97.87
33 14 13 53-0259	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	446.74	115.00
33 14 13 53-0260	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	560.28	129.67
33 14 13 53-0261	EA	12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	655.96	146.80
33 14 13 53-0262	EA	14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	929.15	161.49
33 14 13 53-0263	EA	16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,163.00	176.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**33 14 19 Valves and Hydrants for Water Utility Service (33 14)**

Note: Flanged valves excludes bolt and gasket set. See CSI section 23 21 13 23-0669 for bolt and gasket sets.

33 14 19 00-0001	Water Utility Distribution Valves (33 14 19)		
33 14 19 00-0002	Angle Valves (33 14 19 00-0001)		
	Note: For connecting meters to water service.		
33 14 19 00-0003	Threaded, Class 150, Bronze Angle Valve (33 14 19 00-0002)		
	Note: Nibco T-335Y		
33 14 19 00-0004	EA 1/2" Threaded, Class 150, Bronze Angle Valve.....	95.13	16.75
33 14 19 00-0005	EA 3/4" Threaded, Class 150, Bronze Angle Valve.....	128.29	22.51
33 14 19 00-0006	EA 1" Threaded, Class 150, Bronze Angle Valve.....	172.93	27.74
33 14 19 00-0007	EA 1-1/4" Threaded, Class 150, Bronze Angle Valve.....	222.68	34.86
33 14 19 00-0008	EA 1-1/2" Threaded, Class 150, Bronze Angle Valve.....	278.21	40.30
33 14 19 00-0009	EA 2" Threaded, Class 150, Bronze Angle Valve.....	415.55	47.12
33 14 19 00-0010	EA 2-1/2" Threaded, Class 150, Bronze Angle Valve.....	666.07	64.31
33 14 19 00-0011	EA 3" Threaded, Class 150, Bronze Angle Valve.....	1,012.06	74.24

**33 14 19 00-0012 Butterfly Valves (33 14 19 00-0001)**

**33 14 19 00-0013 Lug Type Flanged, Cast Iron Disc, Butterfly Valves (33 14 19 00-0012)**

Note: ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin

33 14 19 00-0014	EA 3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	2,094.21	177.99
33 14 19 00-0015	EA 3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	2,332.61	177.99
33 14 19 00-0016	EA 4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	2,238.45	275.49
33 14 19 00-0017	EA 4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	2,476.85	275.49
33 14 19 00-0018	EA 6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	2,572.62	329.95
33 14 19 00-0019	EA 6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	2,811.02	329.95
33 14 19 00-0020	EA 8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	2,900.57	421.60
33 14 19 00-0021	EA 8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	3,137.78	421.60
33 14 19 00-0022	EA 10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	3,639.43	513.25
33 14 19 00-0023	EA 10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	4,637.27	513.25
33 14 19 00-0024	EA 12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	4,160.54	622.10
33 14 19 00-0025	EA 12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	4,398.94	622.10
33 14 19 00-0026	EA 14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12).....	5,596.78	896.65
33 14 19 00-0027	EA 14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12).....	6,220.20	896.65
33 14 19 00-0028	EA 16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16).....	6,526.57	986.32
33 14 19 00-0029	EA 16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20).....	7,291.84	986.32
33 14 19 00-0030	EA 18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24).....	8,202.33	1,093.92
33 14 19 00-0031	EA 18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24).....	9,012.89	1,093.92
33 14 19 00-0032	EA 20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24).....	9,402.36	1,232.90

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0033 EA 20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24) .....	10,211.73	1,232.90
<b>33 14 19 00-0034 Lug Type Flanged, Ductile Iron Disc, Butterfly Valves</b> (33 14 19 00-0012) Note: ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin		
33 14 19 00-0035 EA 24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-CW20) .....	15,464.68	1,513.10
33 14 19 00-0036 EA 24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12-PC10) .....	24,099.53	1,513.10
33 14 19 00-0037 EA 24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20) .....	15,415.81	1,513.10
33 14 19 00-0038 EA 30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24) .....	32,147.27	2,386.09
33 14 19 00-0039 EA 36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24) .....	37,872.53	3,181.45
33 14 19 00-0040 EA 42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32) .....	47,567.21	4,772.18
33 14 19 00-0041 EA 48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24) .....	64,899.01	5,965.22
33 14 19 00-0042 EA 54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,54,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD24) .....	103,810.77	7,158.27
33 14 19 00-0043 EA 60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,60,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36) .....	130,242.55	8,589.92
33 14 19 00-0044 EA 72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,72,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR8L-HD36) .....	187,427.05	10,307.90
33 14 19 00-0045 LF 3/16" Link, 316 Stainless Steel Chain For Use With Dezurik Chainwheel.....	26.91	
33 14 19 00-0046 EA 316 Stainless Steel Closing Link For Use With Dezurik Chainwheel .....	11.77	
Note: One required per valve.		
<b>33 14 19 00-0047 Check Valves</b> (33 14 19 00-0001)		
<b>33 14 19 00-0048 Flanged, Swing Type Gravity Operated Check Valves</b> (33 14 19 00-0047) Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0049 EA 2-1/2" Flanged, Swing Type Gravity Operated Check Valve.....	843.79	139.81
33 14 19 00-0050 EA 3" Flanged, Swing Type Gravity Operated Check Valve.....	873.63	163.92
33 14 19 00-0051 EA 4" Flanged, Swing Type Gravity Operated Check Valve.....	1,236.53	207.31
33 14 19 00-0052 EA 4" x 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,680.99	311.92
33 14 19 00-0053 EA 4" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,752.83	348.36
33 14 19 00-0054 EA 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,675.69	347.12
33 14 19 00-0055 EA 6" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	2,172.85	394.57
33 14 19 00-0056 EA 6" x 10" Flanged, Swing Type Gravity Operated Check Valve.....	2,275.78	443.54
33 14 19 00-0057 EA 8" Flanged, Swing Type Gravity Operated Check Valve.....	2,366.31	443.54
33 14 19 00-0058 EA 10" Flanged, Swing Type Gravity Operated Check Valve.....	3,932.18	539.96
33 14 19 00-0059 EA 12" Flanged, Swing Type Gravity Operated Check Valve.....	5,908.65	404.97
33 14 19 00-0060 EA 14" Flanged, Swing Type Gravity Operated Check Valve.....	8,332.42	896.65
33 14 19 00-0061 EA 16" Flanged, Swing Type Gravity Operated Check Valve.....	11,006.95	986.32
33 14 19 00-0062 EA 18" Flanged, Swing Type Gravity Operated Check Valve.....	15,843.85	1,093.92
33 14 19 00-0063 EA 20" Flanged, Swing Type Gravity Operated Check Valve.....	18,431.39	1,232.90
<b>33 14 19 00-0064 Threaded, Bronze, Swing Type Check Valves</b> (33 14 19 00-0047) Note: Class 125. Watts WCV-2, Nibco T-413.		
33 14 19 00-0065 EA 1/4" Threaded, Bronze, Swing Type Check Valve .....	47.09	16.86
33 14 19 00-0066 EA 3/8" Threaded, Bronze, Swing Type Check Valve .....	48.69	16.86
33 14 19 00-0067 EA 1/2" Threaded, Bronze, Swing Type Check Valve .....	45.91	16.86
33 14 19 00-0068 EA 3/4" Threaded, Bronze, Swing Type Check Valve .....	61.01	22.77
33 14 19 00-0069 EA 1" Threaded, Bronze, Swing Type Check Valve .....	71.33	27.54
33 14 19 00-0070 EA 1-1/4" Threaded, Bronze, Swing Type Check Valve .....	100.41	34.86
33 14 19 00-0071 EA 1-1/2" Threaded, Bronze, Swing Type Check Valve .....	122.35	40.30
33 14 19 00-0072 EA 2" Threaded, Bronze, Swing Type Check Valve .....	159.76	47.12
33 14 19 00-0073 EA 2-1/2" Threaded, Bronze, Swing Type Check Valve .....	239.40	64.31
<b>33 14 19 00-0074 Combination Air Release Valves</b> (33 14 19 00-0001)		
33 14 19 00-0075 EA 1" Combination Air Release Valve .....	456.76	20.24
33 14 19 00-0076 EA 2" Combination Air Release Valve .....	738.06	34.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 14 19 00-0077</b> Corporation Stop And Curb Valve <small>(33 14 19 00-0001)</small> Note: AWWA C800		
<b>33 14 19 00-0078</b> Ball Corporation Valves <small>(33 14 19 00-0077)</small> Note: Mueller B-25000.		
33 14 19 00-0079 EA 3/4" Ball Corporation Valve (Mueller B-25000)	77.03	20.24
33 14 19 00-0080 EA 1" Ball Corporation Valve (Mueller B-25000)	96.75	25.07
33 14 19 00-0081 EA 1-1/2" Ball Corporation Valve (Mueller B-25000)	173.03	36.64
33 14 19 00-0082 EA 2" Ball Corporation Valve (Mueller B-25000)	260.30	43.39
<b>33 14 19 00-0083</b> Gate Valve, AWWA C500 And C509 <small>(33 14 19 00-0001)</small>		
<b>33 14 19 00-0084</b> Gate Valve, Flanged <small>(33 14 19 00-0083)</small> Note: Mueller A-2380-6.		
33 14 19 00-0085 EA 2" Gate Valve, Flanged	537.85	128.53
33 14 19 00-0086 EA 2-1/2" Gate Valve, Flanged	625.65	139.81
33 14 19 00-0087 EA 3" Gate Valve, Flanged	739.58	163.92
33 14 19 00-0088 EA 4" Gate Valve, Flanged	1,007.96	205.38
33 14 19 00-0089 EA 6" Gate Valve, Flanged	1,233.80	347.12
33 14 19 00-0090 EA 8" Gate Valve, Flanged	1,798.54	443.54
33 14 19 00-0091 EA 10" Gate Valve, Flanged	2,657.46	539.96
33 14 19 00-0092 EA 12" Gate Valve, Flanged	3,203.54	404.97
33 14 19 00-0093 EA 14" Gate Valve, Flanged	6,837.35	896.65
33 14 19 00-0094 EA 16" Gate Valve, Flanged	8,871.87	986.32
33 14 19 00-0095 EA 18" Gate Valve, Flanged	13,871.07	1,093.92
33 14 19 00-0096 EA 20" Gate Valve, Flanged	16,558.27	1,232.90
<b>33 14 19 00-0097</b> Resilient Wedge Gate Valve, Flanged Watts 406-NRS-RW <small>(33 14 19 00-0083)</small>		
33 14 19 00-0098 EA 2" Resilient Wedge Gate Valve, Flanged	516.52	128.53
33 14 19 00-0099 EA 2-1/2" Resilient Wedge Gate Valve, Flanged	600.16	139.81
33 14 19 00-0100 EA 3" Resilient Wedge Gate Valve, Flanged	709.33	163.92
33 14 19 00-0101 EA 4" Resilient Wedge Gate Valve, Flanged	974.15	205.38
33 14 19 00-0102 EA 6" Resilient Wedge Gate Valve, Flanged	1,188.60	347.12
33 14 19 00-0103 EA 8" Resilient Wedge Gate Valve, Flanged	1,727.93	443.54
33 14 19 00-0104 EA 10" Resilient Wedge Gate Valve, Flanged	2,545.25	539.96
33 14 19 00-0105 EA 12" Resilient Wedge Gate Valve, Flanged	3,068.06	404.97
<b>33 14 19 00-0106</b> Gate Valve, Mechanical Joint <small>(33 14 19 00-0083)</small> Note: Mueller A-2380-20.		
33 14 19 00-0107 EA 2" Gate Valve, Mechanical Joint	635.67	102.69
33 14 19 00-0108 EA 2-1/2" Gate Valve, Mechanical Joint	699.10	128.72
33 14 19 00-0109 EA 3" Gate Valve, Mechanical Joint	874.82	155.72
33 14 19 00-0110 EA 4" Gate Valve, Mechanical Joint	1,055.17	205.38
33 14 19 00-0111 EA 6" Gate Valve, Mechanical Joint	1,316.27	241.05
33 14 19 00-0112 EA 8" Gate Valve, Mechanical Joint	1,876.25	289.26
33 14 19 00-0113 EA 10" Gate Valve, Mechanical Joint	2,691.70	337.47
33 14 19 00-0114 EA 12" Gate Valve, Mechanical Joint	3,359.03	404.97
33 14 19 00-0115 EA 14" Gate Valve, Mechanical Joint	7,239.02	549.20
33 14 19 00-0116 EA 16" Gate Valve, Mechanical Joint	9,306.32	616.45
33 14 19 00-0117 EA 18" Gate Valve, Mechanical Joint	14,649.17	683.70
33 14 19 00-0118 EA 20" Gate Valve, Mechanical Joint	17,397.90	770.56
<b>33 14 19 00-0119</b> Resilient Wedge Gate Valve, Mechanical Joint <small>(33 14 19 00-0083)</small> Note: Mueller A-2360-20.		
33 14 19 00-0120 EA 2" Resilient Wedge Gate Valve, Mechanical Joint	611.31	102.69
33 14 19 00-0121 EA 3" Resilient Wedge Gate Valve, Mechanical Joint	842.93	155.72
33 14 19 00-0122 EA 4" Resilient Wedge Gate Valve, Mechanical Joint	1,018.69	205.38
33 14 19 00-0123 EA 6" Resilient Wedge Gate Valve, Mechanical Joint	1,269.06	241.05
33 14 19 00-0124 EA 8" Resilient Wedge Gate Valve, Mechanical Joint	1,802.81	289.26
33 14 19 00-0125 EA 10" Resilient Wedge Gate Valve, Mechanical Joint	2,577.55	337.47
33 14 19 00-0126 EA 12" Resilient Wedge Gate Valve, Mechanical Joint	3,214.72	404.97
<b>33 14 19 00-0127</b> Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint <small>(33 14 19 00-0083)</small> Note: Mueller A-2361.		
33 14 19 00-0128 EA 14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	7,827.74	896.65
33 14 19 00-0129 EA 16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	8,509.46	986.32
33 14 19 00-0130 EA 18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	13,275.91	1,093.92
33 14 19 00-0131 EA 20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	15,846.80	1,232.90
33 14 19 00-0132 EA 24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	22,512.18	1,513.10
<b>33 14 19 00-0133</b> Gate Valve, Threaded, WW-V-51 Class A, Type 1 <small>(33 14 19 00-0083)</small> Note: NIBCO T-113.		
33 14 19 00-0134 EA 1/4" Gate Valve, Bronze, Threaded	55.23	16.86
33 14 19 00-0135 EA 3/8" Gate Valve, Bronze, Threaded	56.83	16.86
33 14 19 00-0136 EA 1/2" Gate Valve, Bronze, Threaded	56.18	16.86



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0137	EA		3/4" Gate Valve, Bronze, Threaded .....	72.20	22.77
33 14 19 00-0138	EA		1" Gate Valve, Bronze, Threaded .....	89.10	27.54
33 14 19 00-0139	EA		1-1/4" Gate Valve, Bronze, Threaded .....	121.41	34.86
33 14 19 00-0140	EA		1-1/2" Gate Valve, Bronze, Threaded .....	140.91	40.30
33 14 19 00-0141	EA		2" Gate Valve, Bronze, Threaded .....	171.13	47.12
33 14 19 00-0142	EA		2-1/2" Gate Valve, Bronze, Threaded .....	333.05	64.31
33 14 19 00-0143	EA		3" Gate Valve, Bronze, Threaded .....	399.57	73.77
<b>33 14 19 00-0144</b>			<b>Globe Valve, AWWA <small>(33 14 19 00-0001)</small></b>		
<b>33 14 19 00-0145</b>			<b>Globe Valve, Threaded, WW-V-51 Class B, Type 1 <small>(33 14 19 00-0144)</small></b> Note: NIBCO T-235.		
33 14 19 00-0146	EA		1/8" Globe Valve, Threaded .....	78.70	16.86
33 14 19 00-0147	EA		1/4" Globe Valve, Threaded .....	75.47	16.86
33 14 19 00-0148	EA		3/8" Globe Valve, Threaded .....	77.07	16.86
33 14 19 00-0149	EA		1/2" Globe Valve, Threaded .....	78.70	16.86
33 14 19 00-0150	EA		3/4" Globe Valve, Threaded .....	106.89	22.77
33 14 19 00-0151	EA		1" Globe Valve, Threaded .....	150.50	27.54
33 14 19 00-0152	EA		1-1/4" Globe Valve, Threaded .....	220.66	34.86
33 14 19 00-0153	EA		1-1/2" Globe Valve, Threaded .....	263.58	40.30
33 14 19 00-0154	EA		2" Globe Valve, Threaded .....	368.82	47.12
33 14 19 00-0155	EA		2-1/2" Globe Valve, Threaded .....	679.68	64.31
33 14 19 00-0156	EA		3" Globe Valve, Threaded .....	932.17	74.15
<b>33 14 19 00-0157</b>			<b>Tapping Valve, AWWA C500 And C509 <small>(33 14 19 00-0001)</small></b>		
<b>33 14 19 00-0158</b>			<b>Tapping Valve, AWWA C500 And C509 <small>(33 14 19 00-0157)</small></b> Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0159	EA		2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	741.19	128.53
33 14 19 00-0160	EA		3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	954.44	163.92
33 14 19 00-0161	EA		4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	1,215.50	205.38
33 14 19 00-0162	EA		6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	1,550.94	347.12
33 14 19 00-0163	EA		8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	2,205.28	443.54
33 14 19 00-0164	EA		10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	3,151.74	539.96
33 14 19 00-0165	EA		12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	4,595.35	404.97
33 14 19 00-0166	EA		14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	8,268.96	896.65
33 14 19 00-0167	EA		16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	10,387.83	986.32
33 14 19 00-0168	EA		18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	16,559.11	1,093.92
<b>33 14 19 00-0169</b>			<b>Accessories For Valves <small>(33 14 19)</small></b>		
33 14 19 00-0170	EA		1" Valve Extension Stem .....	109.20	
			<i>For Each Additional LF, Add</i> .....	8.06	
33 14 19 00-0171	EA		Up to 80" Long Indicator Post Telescoping Barrel Assembly .....	1,571.62	96.42
			Note: Excludes valve.		
33 14 19 00-0172	EA		>80" To 114" Long Indicator Post Telescoping Barrel Assembly .....	1,783.45	106.06
			Note: Excludes valve.		
33 14 19 00-0173	EA		Adjust Water Valve Box To Grade .....	96.42	
<b>33 14 19 00-0174</b>			<b>Fire Hydrants <small>(33 14 19)</small></b>		
			Note: Breakaway type.		
<b>33 14 19 00-0175</b>			<b>Three Way, Standard (Traditional) Model Fire Hydrant <small>(33 14 19 00-0174)</small></b> Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0176	EA		1-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,537.53	256.62
33 14 19 00-0177	EA		2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,604.04	256.62
33 14 19 00-0178	EA		2-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,670.72	256.62
33 14 19 00-0179	EA		3" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,755.41	274.95
33 14 19 00-0180	EA		3-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,821.99	274.95
33 14 19 00-0181	EA		4" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,911.54	297.86
33 14 19 00-0182	EA		4-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,978.01	297.86
33 14 19 00-0183	EA		5" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,067.59	320.78
33 14 19 00-0184	EA		5-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,134.16	320.78
33 14 19 00-0185	EA		6" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,223.54	343.69
33 14 19 00-0186	EA		6-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,313.00	366.60
33 14 19 00-0187	EA		7" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,425.28	412.43
33 14 19 00-0188	EA		1-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,598.23	256.62
33 14 19 00-0189	EA		2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,684.54	256.62
33 14 19 00-0190	EA		2-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,770.64	256.62
33 14 19 00-0191	EA		3" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,875.07	274.95
33 14 19 00-0192	EA		3-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,961.17	274.95
33 14 19 00-0193	EA		4" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,070.50	297.86
33 14 19 00-0194	EA		4-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,156.49	297.86
33 14 19 00-0195	EA		5" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,265.60	320.78
33 14 19 00-0196	EA		5-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,351.68	320.78
33 14 19 00-0197	EA		6" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,460.54	343.69
33 14 19 00-0198	EA		6-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,569.76	366.60
33 14 19 00-0199	EA		7" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,701.54	412.43



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 14 19 00-0200</b>		<b>Two Way, Standard (Traditional) Model Fire Hydrant</b> <small>(33 14 19 00-0174)</small>		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
	EA	1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,172.45	256.62
	EA	2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,238.73	256.62
	EA	2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,305.39	256.62
	EA	3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,390.36	274.95
	EA	3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,456.72	274.95
	EA	4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,546.12	297.86
	EA	4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,612.69	297.86
	EA	5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,702.33	320.78
	EA	5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,768.76	320.78
	EA	6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,858.50	343.69
	EA	6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,947.54	366.60
	EA	7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,059.96	412.43
	EA	1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,266.21	256.62
	EA	2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,352.33	256.62
	EA	2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,438.32	256.62
	EA	3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,542.97	274.95
	EA	3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,628.85	274.95
	EA	4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,738.03	297.86
	EA	4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,823.96	297.86
	EA	5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,933.35	320.78
	EA	5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	4,019.23	320.78
	EA	6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,128.39	343.69
	EA	6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	4,237.19	366.60
	EA	7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,369.44	412.43
<b>33 14 19 00-0225</b>		<b>Three Way, Modern Model Fire Hydrant</b> <small>(33 14 19 00-0174)</small>		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
	EA	1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,692.75	256.62
	EA	2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,778.74	256.62
	EA	2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,864.99	256.62
	EA	3' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,969.47	274.95
	EA	3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,055.52	274.95
	EA	4' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,164.53	297.86
	EA	4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,250.70	297.86
	EA	5' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,359.74	320.78
	EA	5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,445.82	320.78
	EA	6' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,554.83	320.78
	EA	6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,664.10	366.60
	EA	7' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,794.98	366.60
<b>33 14 19 00-0238</b>		<b>Two Way, Modern Model Fire Hydrant</b> <small>(33 14 19 00-0174)</small>		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
	EA	1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant .....	2,614.49	256.62
	EA	2' Burial Section, Two Way, Modern Type Fire Hydrant .....	2,679.93	256.62
	EA	2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant .....	2,746.10	256.62
	EA	3' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,829.10	274.95
	EA	3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant .....	2,894.52	274.95
	EA	4' Burial Section, Two Way, Modern Type Fire Hydrant .....	2,982.85	297.86
	EA	4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant .....	3,048.25	297.86
	EA	5' Burial Section, Two Way, Modern Type Fire Hydrant .....	3,136.67	320.78
	EA	5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant .....	3,201.90	320.78
	EA	6' Burial Section, Two Way, Modern Type Fire Hydrant .....	3,290.25	343.69
	EA	6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant .....	3,378.67	366.60
	EA	7' Burial Section, Two Way, Modern Type Fire Hydrant .....	3,489.11	412.43
<b>33 14 19 00-0251</b>		<b>Fire Hydrant Extension Kits</b> <small>(33 14 19 00-0174)</small>		
	EA	6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	538.85	22.91
	EA	12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	639.31	28.64
	EA	18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	695.25	34.37
	EA	24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	788.05	42.39
	EA	30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,203.15	44.11
	EA	36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,285.88	45.82
	EA	42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,304.38	48.12
	EA	48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,377.22	51.55
	EA	54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,515.03	61.87
	EA	60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,592.72	74.46
	EA	6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	599.62	25.67
	EA	12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	708.88	31.17
	EA	18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	812.44	37.57
	EA	24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	905.27	46.74
	EA	30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,249.74	48.58
	EA	36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,333.46	50.41
	EA	42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,390.27	53.16
	EA	48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,629.51	56.82
	EA	54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,782.04	67.82
	EA	60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,865.53	81.57

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>33 14 19 00-0272</b>	<b>Removal And Reinstallation Of Standard Fire Hydrant</b> <small>(33 14 19 00-0174)</small>		
	Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0273	EA Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	733.20	
33 14 19 00-0274	EA >5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	1,069.25	
33 14 19 00-0275	EA Reset Fire Hydrant Upper Barrel.....	954.82	
	Note: Includes Safety Repair Kit		
<b>33 14 19 00-0276</b>	<b>Yard Hydrants</b> <small>(33 14 19)</small>		
	Note: With 3/4" hose thread outlet.		
33 14 19 00-0277	EA 2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	346.11	31.41
33 14 19 00-0278	EA 4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	372.62	31.41
33 14 19 00-0279	EA 6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	399.13	31.41
33 14 19 00-0280	EA 2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	302.73	39.78
33 14 19 00-0281	EA 4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	317.38	39.78
33 14 19 00-0282	EA 6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	332.03	39.78
<b>33 14 19 00-0283</b>	<b>Sanitary Yard Hydrants</b> <small>(33 14 19)</small>		
	Note: With 3/4" hose thread outlet.		
33 14 19 00-0284	EA 2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,595.87	65.44
33 14 19 00-0285	EA 4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,678.71	65.44
33 14 19 00-0286	EA 6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,761.55	65.44
<b>33 14 19 00-0287</b>	<b>Flushing Hydrants</b> <small>(33 14 19)</small>		
33 14 19 00-0288	EA 2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth.....	821.22	40.37
<b>33 14 23</b>	<b>Enclosures for Water Utility Piping and Valves</b> <small>(33 14)</small>		
	See CSI section 22 11 19 00-0464 for Enclosures.		
<b>33 14 23 00-0001</b>	<b>Roadway Utility Box</b> <small>(33 14 23)</small>		
<b>33 14 23 00-0002</b>	<b>Utility Box</b> <small>(33 14 23 00-0001)</small>		
	Note: Christy Concrete Products.		
<b>33 14 23 00-0003</b>	<b>B3 Utility Box, 9-3/8" x 15-1/2"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0004	EA 9-3/8" x 15-1/2" Precast Concrete Utility Box.....	108.33	47.80
33 14 23 00-0005	EA Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box.....	110.94	5.32
33 14 23 00-0006	EA Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box.....	45.91	5.32
33 14 23 00-0007	EA Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box.....	243.16	5.32
33 14 23 00-0008	EA 12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box.....	64.82	10.62
33 14 23 00-0009	EA 3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box.....	93.55	10.62
<b>33 14 23 00-0010</b>	<b>B9 Utility Box, 10-1/4" x 17-1/4"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0011	EA 10-1/4" x 17-1/4" Precast Concrete Utility Box.....	131.16	63.73
33 14 23 00-0012	EA Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box.....	129.96	6.37
33 14 23 00-0013	EA Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box.....	50.92	6.37
33 14 23 00-0014	EA Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box.....	255.12	5.32
33 14 23 00-0015	EA 13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box.....	72.72	10.62
33 14 23 00-0016	EA 5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box.....	97.24	15.94
33 14 23 00-0017	EA 12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box.....	114.34	29.21
<b>33 14 23 00-0018</b>	<b>B12 Utility Box, 12" x 20"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0019	EA 12" x 20" Precast Concrete Utility Box.....	144.23	69.04
33 14 23 00-0020	EA Cast Iron Lid For 12" x 20" Utility Box.....	234.30	7.97
33 14 23 00-0021	EA Reinforced Concrete Lid For 12" x 20" Utility Box.....	68.11	10.62
33 14 23 00-0022	EA Steel Checkered Plate Cover For 12" x 20" Utility Box.....	342.84	10.62
33 14 23 00-0023	EA 12" High Reinforced Concrete Extension For 12" x 20" Utility Box.....	149.16	37.18
<b>33 14 23 00-0024</b>	<b>B16 Utility Box, 12" x 22-1/4"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0025	EA 12" x 22-1/4" Precast Concrete Utility Box.....	165.96	80.72
33 14 23 00-0026	EA Cast Iron Lid For 12" x 22-1/4" Utility Box.....	264.60	10.62
33 14 23 00-0027	EA Reinforced Concrete Lid For 12" x 22-1/4" Utility Box.....	84.40	10.62
33 14 23 00-0028	EA Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box.....	344.78	10.62
33 14 23 00-0029	EA 16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box.....	118.23	18.06
33 14 23 00-0030	EA 12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box.....	151.86	37.18
<b>33 14 23 00-0031</b>	<b>B30 Utility Box, 13-1/4" x 24"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0032	EA 13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX).....	200.00	95.59
33 14 23 00-0033	EA Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D).....	113.44	17.00
33 14 23 00-0034	EA Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G).....	426.18	13.81
33 14 23 00-0035	EA 16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL).....	118.23	18.06





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 23 00-0036 EA 5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA).....	180.95	29.75
33 14 23 00-0037 EA 6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6).....	141.59	20.18
33 14 23 00-0038 EA 12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12).....	196.81	47.80
<b>33 14 23 00-0039 B36 Utility Box, 17-1/4" x 30"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0040 EA 17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX) .....	261.56	121.09
33 14 23 00-0041 EA Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D) .....	184.71	29.21
33 14 23 00-0042 EA Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D) .....	533.98	20.18
33 14 23 00-0043 EA 20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL).....	165.36	38.24
33 14 23 00-0044 EA 6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA).....	281.84	42.48
33 14 23 00-0045 EA 12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12).....	262.98	61.61
<b>33 14 23 00-0046 B40 Utility Box, 24-1/2" x 36"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0047 EA 24-1/2" x 36" Precast Concrete Utility Box.....	544.04	186.95
33 14 23 00-0048 EA Reinforced Concrete Lid For 24-1/2" x 36" Utility Box .....	506.34	70.10
33 14 23 00-0049 EA Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box.....	758.26	30.80
33 14 23 00-0050 EA 30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box.....	413.23	65.86
33 14 23 00-0051 EA 10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box.....	438.51	69.04
<b>33 14 23 00-0052 B48 Utility Box, 30-1/4" x 48-1/4"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0053 EA 30-1/4" x 48-1/4" Precast Concrete Utility Box.....	686.08	212.43
33 14 23 00-0054 EA 1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box .....	696.22	115.77
33 14 23 00-0055 EA 2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box .....	880.58	115.77
33 14 23 00-0056 EA 2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box.....	1,200.04	53.11
33 14 23 00-0057 EA 36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box.....	596.21	143.39
33 14 23 00-0058 EA 10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box.....	540.95	96.66
<b>33 14 23 00-0059 Roadway Or Curb Valve Boxes</b> <small>(33 14 23)</small>		
<b>33 14 23 00-0060 Round Head, Cast Iron Service, Roadway Or Valve Boxes</b> <small>(33 14 23 00-0059)</small>		
33 14 23 00-0061 EA 36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	285.99	12.72
Note: Includes cover, top section and bottom section.		
33 14 23 00-0062 EA 36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	335.35	12.72
Note: Includes cover, top section and bottom section.		
33 14 23 00-0063 EA 42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	337.63	12.72
Note: Includes cover, top section and bottom section.		
33 14 23 00-0064 EA 9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box .....	82.14	6.36
33 14 23 00-0065 EA 16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box .....	95.21	6.36
33 14 23 00-0066 EA 24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box .....	114.87	6.36
33 14 23 00-0067 EA 36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box.....	436.20	15.91
Note: Includes cover, top section and bottom section.		
33 14 23 00-0068 EA 45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box .....	763.48	22.27
Note: Includes cover, top section, bottom section and #6 round base.		
33 14 23 00-0069 EA 45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box .....	855.56	22.27
Note: Includes cover, top section, bottom section and #6 round base.		
33 14 23 00-0070 EA 24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	454.46	15.91
Note: Includes cover, top section and bottom section.		
33 14 23 00-0071 EA 36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	476.46	15.91
Note: Includes cover, top section and bottom section.		
33 14 23 00-0072 EA 24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	459.66	15.91
Note: Includes cover, top section and bottom section.		
33 14 23 00-0073 EA 12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box .....	165.70	6.36
33 14 23 00-0074 EA 18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	268.90	26.18
33 14 23 00-0075 EA 22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	278.90	27.23
33 14 23 00-0076 EA 30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	310.78	28.26
33 14 23 00-0077 EA 36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box .....	437.38	29.84
33 14 23 00-0078 EA 48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	530.58	31.41
33 14 23 00-0079 EA 18" Cast Iron Service Box Extension Section .....	126.41	
<b>33 14 23 00-0080 Plastic Roadway Grade Water Meter Box And Cover</b> <small>(33 14 23 00-0059)</small>		
33 14 23 00-0081 EA 12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover .....	262.82	36.65
33 14 23 00-0082 EA 9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover .....	197.52	26.18
33 14 23 00-0083 EA Cast Iron Lid For Plastic Meter Box .....	58.62	
<b>33 14 23 00-0084 Traffic Valve Box And Lid</b> <small>(33 14 23 00-0059)</small>		
33 14 23 00-0085 EA 10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5) .....	204.28	
33 14 23 00-0086 EA 14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12) .....	680.58	
<b>33 16 Water Utility Storage Tanks</b> <small>(33 10)</small>		
<b>33 16 23 Ground-Level Steel Water Storage Tanks</b> <small>(33 16)</small>		
See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.		
<b>33 19 Water Utility Metering Equipment</b> <small>(33 10)</small>		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

### 33 19 13 Positive Displacement Water Meters <sup>(33 19)</sup>

#### 33 19 13 23 Nutating Disc Water Meters <sup>(33 19 13)</sup>

##### 33 19 13 23-0001 Bronze Disk Type Water Service Meters <sup>(33 19 13 23)</sup>

33 19 13 23-0002	EA	5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	301.59	54.44
33 19 13 23-0003	EA	3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	379.54	64.91
33 19 13 23-0004	EA	1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	511.29	74.33
33 19 13 23-0005	EA	1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	998.92	110.98
33 19 13 23-0006	EA	2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	1,354.15	144.48

##### 33 19 13 23-0007 Magnetic Driven, Positive Displacement Type Water Service Meters <sup>(33 19 13 23)</sup>

33 19 13 23-0008	EA	5/8" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i) .....	554.16	54.44
		<i>For Owner Furnished Material, Deduct</i>	-499.05	
33 19 13 23-0009	EA	3/4" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i) .....	631.54	64.91
		<i>For Owner Furnished Material, Deduct</i>	-566.10	
33 19 13 23-0010	EA	1" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i) .....	943.41	74.33
		<i>For Owner Furnished Material, Deduct</i>	-868.62	
33 19 13 23-0011	EA	1-1/2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i) .....	1,598.64	110.98
		<i>For Owner Furnished Material, Deduct</i>	-1,487.26	
33 19 13 23-0012	EA	2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i) .....	1,978.14	144.48
		<i>For Owner Furnished Material, Deduct</i>	-1,832.73	
33 19 13 23-0013	EA	Electronic Transmitter .....	451.48	26.18
		Note: For use with transmitting meter valve.		
		<i>For Owner Furnished Material, Deduct</i>	-425.30	

### 33 19 16 Velocity-Type Water Meters <sup>(33 19)</sup>

#### 33 19 16 23 Turbine Water Meters <sup>(33 19 16)</sup>

##### 33 19 16 23-0001 Flanged Turbine Water Service Meter <sup>(33 19 16 23)</sup>

##### 33 19 16 23-0002 Vertical Turbine Meters <sup>(33 19 16 23-0001)</sup>

33 19 16 23-0003	EA	1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged.....	613.24	101.24
33 19 16 23-0004	EA	2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged.....	853.99	128.53
33 19 16 23-0005	EA	3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged.....	1,636.86	163.92
33 19 16 23-0006	EA	4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged.....	2,453.85	256.48
33 19 16 23-0007	EA	6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged.....	4,497.32	347.12

##### 33 19 16 23-0008 Horizontal Turbine Meters <sup>(33 19 16 23-0001)</sup>

33 19 16 23-0009	EA	1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged .....	937.49	101.24
33 19 16 23-0010	EA	2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged.....	1,316.89	128.53
33 19 16 23-0011	EA	3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged.....	1,822.45	163.92
33 19 16 23-0012	EA	4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged.....	2,699.17	256.48
33 19 16 23-0013	EA	6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged.....	5,391.13	347.12
33 19 16 23-0014	EA	8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged.....	7,183.75	443.54
33 19 16 23-0015	EA	10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged.....	9,955.23	539.96
33 19 16 23-0016	EA	12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged.....	12,211.66	851.40

### 33 19 19 Compound Water Meters <sup>(33 19)</sup>

#### 33 19 19 00-0001 Flanged Compound Type Water Service Meter <sup>(33 19 19)</sup>

33 19 19 00-0002	EA	2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	2,428.29	128.53
33 19 19 00-0003	EA	3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	3,040.51	163.92
33 19 19 00-0004	EA	4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	5,011.56	256.48
33 19 19 00-0005	EA	6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	6,999.56	347.12
33 19 19 00-0006	EA	8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	14,114.52	443.54
33 19 19 00-0007	EA	10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	23,961.82	539.96

### 33 19 23 Magnetic Water Meters <sup>(33 19)</sup>

#### 33 19 23 00-0001 Flanged Electromagnetic Flow (EMF) Water Meter <sup>(33 19 23)</sup>

33 19 23 00-0002	EA	2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG) .....	8,389.90	128.53
33 19 23 00-0003	EA	3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG) .....	11,808.27	163.92
33 19 23 00-0004	EA	4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG) .....	13,537.10	256.48

### 33 19 26 Ultrasonic Water Meters <sup>(33 19)</sup>

#### 33 19 26 00-0001 Ultrasonic Water Service Meters (Mastermeter Oactive) <sup>(33 19 26)</sup>

33 19 26 00-0002	EA	3" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Oactive).....	4,203.74	163.92
33 19 26 00-0003	EA	4" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Oactive).....	4,826.53	256.48
33 19 26 00-0004	EA	6" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Oactive).....	7,110.48	347.12
33 19 26 00-0005	EA	8" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Oactive).....	10,258.65	443.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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### 33 30 Sanitary Sewerage Utilities <sup>(33)</sup>

#### 33 31 Sanitary Sewerage Piping <sup>(33 30)</sup>

#### 33 31 11 Public Sanitary Sewerage Gravity Piping <sup>(33 31)</sup>

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

<b>33 31 11 00-0001</b>		<b>Plastic Sewer And Drain Piping <sup>(33 31 11)</sup></b>		
<b>33 31 11 00-0002</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe <sup>(33 31 11 00-0001)</sup></b>		
33 31 11 00-0003	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	9.19	3.79
33 31 11 00-0004	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	11.12	4.48
33 31 11 00-0005	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	15.33	5.42
33 31 11 00-0006	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	19.09	6.34
33 31 11 00-0007	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	25.96	7.36
33 31 11 00-0008	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	34.62	8.56
33 31 11 00-0009	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	46.92	8.87
33 31 11 00-0010	LF	12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	61.30	9.18
<b>33 31 11 00-0011</b>		<b>Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe <sup>(33 31 11 00-0001)</sup></b>		
Note: D-2729 PVC pipe.				
33 31 11 00-0012	LF	3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	11.91	5.42
33 31 11 00-0013	LF	4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	13.97	6.34
33 31 11 00-0014	LF	6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	17.31	7.36
<b>33 31 11 00-0015</b>		<b>Polyvinyl Chloride (PVC) Sewer And Drain Fittings <sup>(33 31 11 00-0001)</sup></b>		
<b>33 31 11 00-0016</b>		<b>1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <sup>(33 31 11 00-0015)</sup></b>		
33 31 11 00-0017	EA	1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	24.30	12.44
33 31 11 00-0018	EA	2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	31.24	16.09
33 31 11 00-0019	EA	3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	54.68	21.61
33 31 11 00-0020	EA	4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	84.56	24.98
33 31 11 00-0021	EA	6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	335.54	32.47
33 31 11 00-0022	EA	8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	556.76	43.70
33 31 11 00-0023	EA	10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	735.02	58.19
<b>33 31 11 00-0024</b>		<b>1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <sup>(33 31 11 00-0015)</sup></b>		
33 31 11 00-0025	EA	1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	25.60	12.44
33 31 11 00-0026	EA	2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	31.13	16.09
33 31 11 00-0027	EA	3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	52.73	21.61
33 31 11 00-0028	EA	4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	75.03	24.98
33 31 11 00-0029	EA	6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	311.27	32.47
33 31 11 00-0030	EA	8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	500.35	43.70
33 31 11 00-0031	EA	10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	569.08	58.19
33 31 11 00-0032	EA	12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	845.64	77.50
<b>33 31 11 00-0033</b>		<b>Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <sup>(33 31 11 00-0015)</sup></b>		
33 31 11 00-0034	EA	1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	39.88	12.26
33 31 11 00-0035	EA	2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	40.34	16.09
33 31 11 00-0036	EA	3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	78.81	22.08
33 31 11 00-0037	EA	4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	130.40	26.95
33 31 11 00-0038	EA	6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	250.59	31.16
33 31 11 00-0039	EA	8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	435.69	35.55
33 31 11 00-0040	EA	10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	707.97	41.44
33 31 11 00-0041	EA	12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	1,067.21	48.31
<b>33 31 11 00-0042</b>		<b>1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <sup>(33 31 11 00-0015)</sup></b>		
33 31 11 00-0043	EA	1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	28.38	12.44
33 31 11 00-0044	EA	2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	33.96	16.09
33 31 11 00-0045	EA	3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	60.84	21.61
33 31 11 00-0046	EA	4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	90.07	24.98
33 31 11 00-0047	EA	6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	416.28	32.47
33 31 11 00-0048	EA	8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	674.29	43.70
33 31 11 00-0049	EA	10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	761.78	58.19
33 31 11 00-0050	EA	12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	781.41	77.50
<b>33 31 11 00-0051</b>		<b>Reducers, Polyvinyl Chloride (PVC) Sewer And Drain <sup>(33 31 11 00-0015)</sup></b>		
33 31 11 00-0052	EA	2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	32.61	14.20
33 31 11 00-0053	EA	3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	61.41	16.95
33 31 11 00-0054	EA	3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	58.18	18.69
33 31 11 00-0055	EA	4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	90.28	20.43
33 31 11 00-0056	EA	4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	97.10	23.18
33 31 11 00-0057	EA	6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	295.87	28.69

**33 Utilities****33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0058	EA		8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	627.80	38.05
33 31 11 00-0059	EA		10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	159.08	41.54
33 31 11 00-0060	EA		10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	218.90	45.31
33 31 11 00-0061	EA		10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	205.84	50.89
33 31 11 00-0062	EA		12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	653.38	55.00
33 31 11 00-0063	EA		12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	690.24	60.58
33 31 11 00-0064	EA		12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	731.13	67.85
<b>33 31 11 00-0065</b>			<b>Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0066	EA		1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	38.26	18.81
33 31 11 00-0067	EA		2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	50.83	24.33
33 31 11 00-0068	EA		3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	86.52	32.09
33 31 11 00-0069	EA		4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	132.88	39.85
33 31 11 00-0070	EA		6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	490.89	43.70
33 31 11 00-0071	EA		8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	637.26	58.19
<b>33 31 11 00-0072</b>			<b>Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0073	EA		1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	48.32	18.81
33 31 11 00-0074	EA		2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	56.68	24.33
33 31 11 00-0075	EA		3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	94.01	32.09
33 31 11 00-0076	EA		4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	145.12	39.85
33 31 11 00-0077	EA		6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	444.95	43.70
33 31 11 00-0078	EA		8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	549.99	58.19
33 31 11 00-0079	EA		10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	723.54	77.65
33 31 11 00-0080	EA		12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	1,141.50	103.63
<b>33 31 11 00-0081</b>			<b>Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0082	EA		2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	64.14	18.81
33 31 11 00-0083	EA		2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	72.07	24.33
33 31 11 00-0084	EA		3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	83.61	32.09
33 31 11 00-0085	EA		4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	128.32	39.85
33 31 11 00-0086	EA		4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	139.81	39.85
<b>33 31 11 00-0087</b>			<b>Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0088	EA		1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	79.33	24.33
33 31 11 00-0089	EA		2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	103.33	32.09
33 31 11 00-0090	EA		3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	207.41	43.32
33 31 11 00-0091	EA		4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	367.47	52.39
33 31 11 00-0092	EA		2" x 2" x 1-1/2" x 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	98.56	32.09
33 31 11 00-0093	EA		3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	171.00	43.32
33 31 11 00-0094	EA		4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	307.33	52.39
<b>33 31 11 00-0095</b>			<b>Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0096	EA		1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	60.89	18.81
33 31 11 00-0097	EA		2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	76.29	24.33
33 31 11 00-0098	EA		3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	152.95	32.09
33 31 11 00-0099	EA		4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	277.30	39.85
33 31 11 00-0100	EA		2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	118.98	24.33
33 31 11 00-0101	EA		3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	191.62	32.09
33 31 11 00-0102	EA		3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	137.83	32.09
33 31 11 00-0103	EA		4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	259.18	39.85
33 31 11 00-0104	EA		4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	275.76	39.85
<b>33 31 11 00-0105</b>			<b>Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0106	EA		1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	89.08	24.33
33 31 11 00-0107	EA		2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	104.41	32.09
33 31 11 00-0108	EA		3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	162.66	43.32
33 31 11 00-0109	EA		4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	593.48	52.39
33 31 11 00-0110	EA		6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	1,956.26	58.00
<b>33 31 11 00-0111</b>			<b>Cleanout Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0112	EA		4" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain.....	468.98	100.17
33 31 11 00-0113	EA		6" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain.....	1,119.88	129.24
33 31 11 00-0114	EA		8" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain.....	1,426.23	182.12
33 31 11 00-0115	EA		10" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain.....	1,968.74	292.96
<b>33 31 11 00-0116</b>			<b>Couplings, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0117	EA		1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	23.62	12.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0118 EA 2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	29.48	16.00
33 31 11 00-0119 EA 3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	46.30	21.43
33 31 11 00-0120 EA 4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	60.64	24.98
33 31 11 00-0121 EA 6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	176.83	32.47
33 31 11 00-0122 EA 8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	435.50	43.70
33 31 11 00-0123 EA 10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	660.70	58.19
33 31 11 00-0124 EA 12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	1,093.10	77.50
<b>33 31 11 00-0125 Adapters, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0126 EA 4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting .....	117.83	67.69
33 31 11 00-0127 EA 2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting .....	82.70	51.49
33 31 11 00-0128 EA 2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting .....	85.08	51.49
33 31 11 00-0129 EA 3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting .....	91.41	51.49
33 31 11 00-0130 EA 4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	119.57	67.69
33 31 11 00-0131 EA 4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	114.51	67.69
33 31 11 00-0132 EA 4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting .....	106.19	67.69
33 31 11 00-0133 EA 4" Drain Grate, Drain And Sewer Fitting .....	58.37	34.81
<b>33 31 11 00-0134 Caps, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0135 EA 3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting .....	34.59	13.38
33 31 11 00-0136 EA 4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting .....	57.85	16.65
33 31 11 00-0137 EA 6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting .....	110.93	21.52
<b>33 31 11 00-0138 Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0139 EA 1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	21.56	12.44
33 31 11 00-0140 EA 2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	28.08	16.09
33 31 11 00-0141 EA 3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	41.87	21.61
33 31 11 00-0142 EA 4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	55.51	24.98
33 31 11 00-0143 EA 6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	96.46	32.47
33 31 11 00-0144 EA 8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	372.79	43.70
<b>33 31 11 00-0145 Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0001)</b>		
Note: ASTM 3034.		
33 31 11 00-0146 LF 4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	15.63	6.34
33 31 11 00-0147 LF 6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	20.39	7.36
33 31 11 00-0148 LF 8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	26.75	8.56
33 31 11 00-0149 LF 10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	32.17	8.87
33 31 11 00-0150 LF 12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	38.69	9.18
33 31 11 00-0151 LF 15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	49.50	9.50
33 31 11 00-0152 LF 18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	61.87	9.84
33 31 11 00-0153 LF 21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	79.54	10.69
33 31 11 00-0154 LF 24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	95.90	11.53
33 31 11 00-0155 LF 27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	118.93	13.54
<b>33 31 11 00-0156 Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0001)</b>		
Note: ASTM 3034.		
33 31 11 00-0157 LF 4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	15.12	6.34
33 31 11 00-0158 LF 6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	19.66	7.36
33 31 11 00-0159 LF 8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	25.73	8.56
<b>33 31 11 00-0160 Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings (33 31 11 00-0001)</b>		
Note: ASTM 3034.		
<b>33 31 11 00-0161 1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)</b>		
33 31 11 00-0162 EA 4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	80.78	22.93
33 31 11 00-0163 EA 6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	122.71	26.67
33 31 11 00-0164 EA 8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	267.13	30.22
33 31 11 00-0165 EA 10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	787.34	35.56
33 31 11 00-0166 EA 12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,017.68	45.33
<b>33 31 11 00-0167 1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)</b>		
33 31 11 00-0168 EA 4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	72.03	22.93
33 31 11 00-0169 EA 6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	113.06	26.67
33 31 11 00-0170 EA 8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	242.74	30.22
33 31 11 00-0171 EA 10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	557.76	35.56
33 31 11 00-0172 EA 12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	799.39	45.33
33 31 11 00-0173 EA 15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,727.49	63.99
33 31 11 00-0174 EA 18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	2,745.33	90.66
33 31 11 00-0175 EA 21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	4,593.55	119.99
33 31 11 00-0176 EA 24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	6,264.88	159.98
<b>33 31 11 00-0177 Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)</b>		

**33 Utilities****33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0178	EA		4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	122.40	34.40
33 31 11 00-0179	EA		6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	204.39	38.13
33 31 11 00-0180	EA		6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	230.89	39.99
33 31 11 00-0181	EA		8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	255.86	41.86
33 31 11 00-0182	EA		8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	294.80	43.73
33 31 11 00-0183	EA		8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	580.95	45.60
33 31 11 00-0184	EA		10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	749.09	46.66
33 31 11 00-0185	EA		10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	850.74	48.89
33 31 11 00-0186	EA		10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,265.38	50.75
33 31 11 00-0187	EA		10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,654.74	53.33
33 31 11 00-0188	EA		12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	921.98	56.80
33 31 11 00-0189	EA		12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	979.47	58.67
33 31 11 00-0190	EA		12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,407.54	60.53
33 31 11 00-0191	EA		12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,040.62	63.10
33 31 11 00-0192	EA		12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,300.96	67.99
<b>33 31 11 00-0193</b>			<b>Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> (33 31 11 00-0160)		
33 31 11 00-0194	EA		4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	115.62	34.40
33 31 11 00-0195	EA		6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	181.77	38.13
33 31 11 00-0196	EA		6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	200.52	39.99
33 31 11 00-0197	EA		8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	246.16	41.86
33 31 11 00-0198	EA		8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	283.24	43.73
33 31 11 00-0199	EA		8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	442.75	45.60
33 31 11 00-0200	EA		10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	683.35	47.02
33 31 11 00-0201	EA		10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	696.67	48.89
33 31 11 00-0202	EA		10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,057.94	50.75
33 31 11 00-0203	EA		10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,171.85	53.33
33 31 11 00-0204	EA		12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	867.22	56.80
33 31 11 00-0205	EA		12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	894.42	58.67
33 31 11 00-0206	EA		12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,290.96	60.53
33 31 11 00-0207	EA		12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,559.79	63.10
33 31 11 00-0208	EA		12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,627.70	67.99
33 31 11 00-0209	EA		15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,006.85	81.78
33 31 11 00-0210	EA		15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,228.22	86.66
33 31 11 00-0211	EA		15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,791.15	95.99
<b>33 31 11 00-0212</b>			<b>Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> (33 31 11 00-0160)		
33 31 11 00-0213	EA		4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	80.00	22.93
33 31 11 00-0214	EA		6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	127.86	26.67
33 31 11 00-0215	EA		8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	192.35	30.39
33 31 11 00-0216	EA		10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	373.73	35.56
33 31 11 00-0217	EA		12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	532.47	45.33
33 31 11 00-0218	EA		15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,052.00	63.99
33 31 11 00-0219	EA		18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,991.34	90.66
33 31 11 00-0220	EA		21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	3,336.19	119.99
33 31 11 00-0221	EA		24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	4,835.41	159.98
<b>33 31 11 00-0222</b>			<b>Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> (33 31 11 00-0160)		
33 31 11 00-0223	EA		6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	161.24	24.80
33 31 11 00-0224	EA		8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	234.82	26.67
33 31 11 00-0225	EA		8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	247.45	28.53
33 31 11 00-0226	EA		10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	571.55	31.11
33 31 11 00-0227	EA		10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	658.07	32.97
33 31 11 00-0228	EA		12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	735.65	36.00
33 31 11 00-0229	EA		12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	845.78	37.86
33 31 11 00-0230	EA		12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	971.06	40.44
33 31 11 00-0231	EA		15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,464.64	54.66
<b>33 31 11 00-0232</b>			<b>Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)</b> (33 31 11 00-0160)		
33 31 11 00-0233	EA		6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	130.80	
33 31 11 00-0234	EA		8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	174.15	
33 31 11 00-0235	EA		8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	178.34	
33 31 11 00-0236	EA		10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	301.81	
33 31 11 00-0237	EA		10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	319.35	
33 31 11 00-0238	EA		10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	621.02	
33 31 11 00-0239	EA		12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	342.59	
33 31 11 00-0240	EA		12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	375.46	
33 31 11 00-0241	EA		12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	862.52	
33 31 11 00-0242	EA		12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	1,020.80	
33 31 11 00-0243	EA		15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	388.06	
33 31 11 00-0244	EA		15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	416.75	
<b>33 31 11 00-0245</b>			<b>Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)</b> (33 31 11 00-0160)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0246 EA 6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	140.62	
33 31 11 00-0247 EA 8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	174.15	
33 31 11 00-0248 EA 8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	191.71	
33 31 11 00-0249 EA 10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	275.80	
33 31 11 00-0250 EA 10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	317.24	
33 31 11 00-0251 EA 10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	490.09	
33 31 11 00-0252 EA 12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	340.50	
33 31 11 00-0253 EA 12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	373.48	
33 31 11 00-0254 EA 12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	569.33	
33 31 11 00-0255 EA 12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	697.16	
33 31 11 00-0256 EA 15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	386.77	
33 31 11 00-0257 EA 15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	407.03	
33 31 11 00-0258 EA 15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	696.62	
33 31 11 00-0259 EA 15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	773.76	
33 31 11 00-0260 EA 15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	1,105.29	

**33 31 11 00-0261 Couplings And Plug Fittings (33 31 11)**

**33 31 11 00-0262 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings (33 31 11 00-0261)**

Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.

33 31 11 00-0263 EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150) .....	17.96	6.37
33 31 11 00-0264 EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22) .....	19.65	7.43
33 31 11 00-0265 EA 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33) .....	22.74	8.49
33 31 11 00-0266 EA 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44) .....	25.78	9.03
33 31 11 00-0267 EA 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55) .....	31.59	9.56
33 31 11 00-0268 EA 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66) .....	37.43	10.62
33 31 11 00-0269 EA 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88) .....	47.66	11.68
33 31 11 00-0270 EA 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010) .....	58.89	12.21
33 31 11 00-0271 EA 12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212) .....	97.46	12.75
33 31 11 00-0272 EA 15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515) .....	132.82	13.81
33 31 11 00-0273 EA 18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818) .....	256.49	14.34
33 31 11 00-0274 EA 21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121) .....	298.06	15.14
33 31 11 00-0275 EA 24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424) .....	330.23	15.94
33 31 11 00-0276 EA 27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727) .....	395.66	17.00

**33 31 11 00-0277 Cast Iron Service Saddles With U Bolt (33 31 11)**

33 31 11 00-0278 EA 2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt .....	109.57	
33 31 11 00-0279 EA 3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt .....	110.17	
33 31 11 00-0280 EA 3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt .....	121.22	
33 31 11 00-0281 EA 4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt .....	117.35	
33 31 11 00-0282 EA 4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt .....	132.50	
33 31 11 00-0283 EA 4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt .....	149.13	
33 31 11 00-0284 EA 4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt .....	176.70	
33 31 11 00-0285 EA 6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt .....	149.68	
33 31 11 00-0286 EA 6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt .....	163.61	
33 31 11 00-0287 EA 6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt .....	188.69	
33 31 11 00-0288 EA 4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt .....	120.71	
33 31 11 00-0289 EA 4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt .....	131.78	
33 31 11 00-0290 EA 4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt .....	157.00	
33 31 11 00-0291 EA 4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt .....	186.36	
33 31 11 00-0292 EA 6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt .....	200.73	

**33 32 Sanitary Sewerage Equipment (33 30)**

**33 32 16 Packaged Wastewater Grinder Pump Assemblies (33 32)**

**33 32 16 00-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller (33 32 16)**

33 32 16 00-0002 EA 2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	2,113.71	314.34
Note: Zoeller 840 series.		
33 32 16 00-0003 EA 2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	2,083.01	314.34
Note: Zoeller 840 series.		
33 32 16 00-0004 EA Simplex Control Panel With Auto Reversing Switch .....	1,006.61	104.75
Note: For Zoeller 840 series grinder pump.		
33 32 16 00-0005 EA Duplex Control Panel With Auto Reversing Switch.....	1,577.10	104.75
Note: For Zoeller 840 series grinder pump.		
33 32 16 00-0006 EA Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74).....	12,899.20	

**33 32 16 00-0007 Submersible Grinder Pumps (33 32 16)**

Note: Includes 50' of cord with pumps unless otherwise noted.

33 32 16 00-0008 EA 2 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof .....	3,711.74	650.75
33 32 16 00-0009 EA 3 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof .....	5,580.46	759.21
33 32 16 00-0010 EA 5 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof .....	6,826.64	976.13

**33 34 Onsite Wastewater Disposal (33 30)**

Note: Excludes distribution field piping, trenching or excavation.

**33 Utilities****33 30 Sanitary Sewerage Utilities****33 34 Onsite Wastewater Disposal**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**33 34 13 Septic Tanks** (33 34)**33 34 13 13 Concrete Septic Tanks** (33 34 13)**33 34 13 13-0001 Precast Concrete Septic Tank** (33 34 13 13)

Note: Includes external coating.

33 34 13 13-0002	EA	1,000 Gallon Precast Septic Tank.....	3,925.98	650.75
		<i>For Non-Traffic Rated, Deduct</i>	-781.70	
33 34 13 13-0003	EA	1,250 Gallon Precast Septic Tank.....	4,732.55	718.32
		<i>For Non-Traffic Rated, Deduct</i>	-962.66	
33 34 13 13-0004	EA	1,500 Gallon Precast Septic Tank.....	5,507.41	785.79
		<i>For Non-Traffic Rated, Deduct</i>	-1,135.67	
33 34 13 13-0005	EA	2,000 Gallon Precast Septic Tank.....	7,104.41	854.11
		<i>For Non-Traffic Rated, Deduct</i>	-1,514.70	
33 34 13 13-0006	EA	2,500 Gallon Precast Septic Tank.....	8,429.23	1,179.48
		<i>For Non-Traffic Rated, Deduct</i>	-1,746.52	
33 34 13 13-0007	EA	4,000 Gallon Precast Septic Tank.....	22,751.01	1,626.88
		<i>For Non-Traffic Rated, Deduct</i>	-5,188.84	
33 34 13 13-0008	EA	5,000 Gallon Precast Septic Tank.....	41,487.80	2,440.32
		<i>For Non-Traffic Rated, Deduct</i>	-9,625.72	
33 34 13 13-0009	EA	7,500 Gallon Precast Septic Tank.....	46,370.04	3,416.45
		<i>For Non-Traffic Rated, Deduct</i>	-10,553.12	
33 34 13 13-0010	EA	10,000 Gallon Precast Septic Tank.....	56,878.72	4,087.58
		<i>For Non-Traffic Rated, Deduct</i>	-12,972.41	
33 34 13 13-0011	EA	12,500 Gallon Precast Septic Tank.....	67,152.02	5,063.71
		<i>For Non-Traffic Rated, Deduct</i>	-15,228.91	

**33 34 13 23 Fiberglass Septic Tank** (33 34 13)**33 34 13 23-0001 Fiberglass Septic Tank** (33 34 13 23)

33 34 13 23-0002	EA	1,000 Gallon Fiberglass Septic Tank.....	4,017.17	488.06
33 34 13 23-0003	EA	1,250 Gallon Fiberglass Septic Tank.....	4,727.62	650.75
33 34 13 23-0004	EA	1,500 Gallon Fiberglass Septic Tank.....	5,448.05	589.80
33 34 13 23-0005	EA	2,000 Gallon Fiberglass Septic Tank.....	9,122.31	638.49
33 34 13 23-0006	EA	2,500 Gallon Fiberglass Septic Tank.....	11,449.68	885.02
33 34 13 23-0007	EA	4,000 Gallon Fiberglass Septic Tank.....	18,162.85	1,220.15
33 34 13 23-0008	EA	5,000 Gallon Fiberglass Septic Tank.....	26,956.39	1,830.24
33 34 13 23-0009	EA	7,500 Gallon Fiberglass Septic Tank.....	37,007.76	2,562.34
33 34 13 23-0010	EA	10,000 Gallon Fiberglass Septic Tank.....	45,415.91	3,062.55

**33 34 13 33 Polyethylene Septic Tank** (33 34 13)**33 34 13 33-0001 High Density Polyethylene (HDPE) Septic Tank** (33 34 13 33)

33 34 13 33-0002	EA	300 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,214.82	192.84
33 34 13 33-0003	EA	500 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,898.95	216.95
33 34 13 33-0004	EA	900 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,653.32	265.16
33 34 13 33-0005	EA	1,000 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,718.64	289.26
33 34 13 33-0006	EA	1,250 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	3,158.19	313.37
33 34 13 33-0007	EA	1,500 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	3,803.19	337.47
33 34 13 33-0008	EA	750 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,680.92	241.05
33 34 13 33-0009	EA	1,000 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,914.31	289.26
33 34 13 33-0010	EA	1,250 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	3,437.02	313.37
33 34 13 33-0011	EA	1,500 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	4,047.78	337.47

**33 34 51 Drainage Field System** (33 34)**33 34 51 00-0001 Leaching Pit - Precast Concrete** (33 34 51)

Note: Includes external coating.

33 34 51 00-0002	EA	3' Diameter, 3' High, Precast Concrete Leaching Pit.....	909.59	95.44
33 34 51 00-0003	EA	4' Diameter, 3' High, Precast Concrete Leaching Pit.....	1,286.42	135.57
33 34 51 00-0004	EA	6' Diameter, 3' High, Precast Concrete Leaching Pit.....	1,713.48	162.69
33 34 51 00-0005	EA	8' Diameter, 4' High, Precast Concrete Leaching Pit.....	2,785.44	271.14
33 34 51 00-0006	EA	10' Diameter, 4' High, Precast Concrete Leaching Pit.....	4,075.50	379.61

**33 34 53 Distribution Chambers** (33 34)**33 34 53 13 Drainage Field Concrete Distribution Chambers** (33 34 53)**33 34 53 13-0001 Concrete Distribution Boxes** (33 34 53 13)

Note: Includes internal and external coating.

33 34 53 13-0002	EA	3 Outlet Concrete Distribution Box.....	335.62	68.75
33 34 53 13-0003	EA	5 Outlet Concrete Distribution Box.....	390.03	82.50
33 34 53 13-0004	EA	8 Outlet Concrete Distribution Box.....	693.91	96.25
33 34 53 13-0005	EA	12 Outlet Concrete Distribution Box.....	1,376.82	165.01

**33 34 53 13-0006 Leaching Field Chambers - Precast Concrete** (33 34 53 13)

33 34 53 13-0007	EA	Standard Leaching Field Chamber 13' x 3'-7" x 1'-4".....	1,085.80	84.39
33 34 53 13-0008	EA	Heavy Duty Leaching Field Chamber 13' x 3'-9" x 1'-6".....	1,322.72	115.08





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**33 34 56 Drainage Field Dosing Chambers (33 34)**

<b>33 34 56 00-0001</b>	<b>Dosing Siphon (33 34 56)</b>	
33 34 56 00-0002	EA Dosing Siphon With Electrical Connection And Solenoid Valve.....	5,731.59
33 34 56 00-0003	EA Solar Power Control For Dosing Siphon .....	3,935.27
33 34 56 00-0004	EA Electrical Power Control For Dosing Siphon.....	3,780.75

**33 40 Stormwater Utilities (33)**

**33 41 Subdrainage (33 40)**

**33 41 16 Subdrainage Piping (33 41)**

**33 41 16 13 Subdrainage Piping (33 41 16)**

See CSI section 33 42 11 00-0189 for polyethylene drain pipe.

<b>33 41 16 13-0001</b>	<b>Corrugated High Density Polyethylene (HDPE) Drainage Piping (33 41 16 13)</b>	
<b>33 41 16 13-0002</b>	<b>Single Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 41 16 13-0001)</b> Note: Excludes couplings and gaskets.	
<b>33 41 16 13-0003</b>	<b>Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 41 16 13-0002)</b>	
33 41 16 13-0004	LF 4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	5.36
	For <100, Add	0.94
	For >1,000, Deduct	-0.49
33 41 16 13-0005	LF 6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	6.79
	For <100, Add	1.05
	For >1,000, Deduct	-0.58
33 41 16 13-0006	LF 8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	8.59
	For <100, Add	1.18
	For >1,000, Deduct	-0.68
33 41 16 13-0007	LF 10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	11.78
	For <100, Add	1.36
	For >1,000, Deduct	-0.85
33 41 16 13-0008	LF 12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	13.89
	For <100, Add	1.54
	For >1,000, Deduct	-0.98
33 41 16 13-0009	LF 15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	18.38
	For <100, Add	1.87
	For >1,000, Deduct	-1.24
33 41 16 13-0010	LF 18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	29.55
	For <100, Add	3.09
	For >1,000, Deduct	-2.01
33 41 16 13-0011	LF 24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	41.18
	For <100, Add	3.82
	For >1,000, Deduct	-2.65
<b>33 41 16 13-0012</b>	<b>Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 41 16 13-0002)</b>	
33 41 16 13-0013	LF 4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	5.23
	For <100, Add	0.93
	For >1,000, Deduct	-0.48
33 41 16 13-0014	LF 6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	6.73
	For <100, Add	1.05
	For >1,000, Deduct	-0.57
33 41 16 13-0015	LF 8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	11.05
	For <100, Add	1.30
	For >1,000, Deduct	-0.80
33 41 16 13-0016	LF 10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	13.08
	For <100, Add	1.43
	For >1,000, Deduct	-0.91
33 41 16 13-0017	LF 12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	15.31
	For <100, Add	1.61
	For >1,000, Deduct	-1.05
33 41 16 13-0018	LF 15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	18.23
	For <100, Add	1.86
	For >1,000, Deduct	-1.23
33 41 16 13-0019	LF 18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	28.62
	For <100, Add	3.04
	For >1,000, Deduct	-1.97
33 41 16 13-0020	LF 24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	39.69
	For <100, Add	3.75
	For >1,000, Deduct	-2.57
<b>33 41 16 13-0021</b>	<b>Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings (33 41 16 13-0001)</b> Note: Excludes couplings and gaskets.	
<b>33 41 16 13-0022</b>	<b>Tees, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 41 16 13-0021)</b>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0023 EA 4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	39.30	21.34
33 41 16 13-0024 EA 6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	46.72	24.90
33 41 16 13-0025 EA 8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	75.43	30.24
33 41 16 13-0026 EA 10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	96.78	37.35
33 41 16 13-0027 EA 12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	143.24	44.47
33 41 16 13-0028 EA 15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	309.52	58.10
33 41 16 13-0029 EA 18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	370.47	78.25
33 41 16 13-0030 EA 24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	698.60	88.93
<b>33 41 16 13-0031 Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 41 16 13-0021)</b>		
33 41 16 13-0032 EA 4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	40.39	21.34
33 41 16 13-0033 EA 6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	50.28	24.90
33 41 16 13-0034 EA 8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	112.67	30.24
<b>33 41 16 13-0035 45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 41 16 13-0021)</b>		
33 41 16 13-0036 EA 4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	26.57	14.23
<b>33 41 16 13-0037 90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 41 16 13-0021)</b>		
33 41 16 13-0038 EA 4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	27.71	14.23
33 41 16 13-0039 EA 6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	35.75	16.60
33 41 16 13-0040 EA 8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	52.94	20.16
33 41 16 13-0041 EA 10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	69.70	24.90
<b>33 41 16 13-0042 Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 (33 41 16 13)</b>		
Note: Includes fittings, couplings, elbows, etc.		
33 41 16 13-0043 LF 3" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	5.76	3.61
For <100, Add	0.83	
For >1,000, Deduct	-0.47	
33 41 16 13-0044 LF 4" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	6.29	3.90
For <100, Add	0.90	
For >1,000, Deduct	-0.51	
33 41 16 13-0045 LF 6" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	8.80	4.68
For <100, Add	1.14	
For >1,000, Deduct	-0.67	
33 41 16 13-0046 LF 8" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	13.55	5.85
For <100, Add	1.56	
For >1,000, Deduct	-0.97	
33 41 16 13-0047 LF 10" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	21.48	6.09
For <100, Add	1.99	
For >1,000, Deduct	-1.38	
33 41 16 13-0048 LF 12" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	27.25	6.64
For <100, Add	2.36	
For >1,000, Deduct	-1.69	
33 41 16 13-0049 LF 15" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	37.38	7.49
For <100, Add	2.99	
For >1,000, Deduct	-2.24	
<b>33 41 16 13-0050 Perforated Non Reinforced Concrete Drainage Piping, C444 (33 41 16 13)</b>		
33 41 16 13-0051 LF 6" Perforated Non Reinforced Concrete Drainage Pipe.....	33.13	11.27
For Extra Strength, Add	2.00	
For >1,000, Deduct	-1.66	
33 41 16 13-0052 LF 8" Perforated Non Reinforced Concrete Drainage Pipe.....	38.89	12.52
For Extra Strength, Add	2.47	
For >1,000, Deduct	-1.94	
33 41 16 13-0053 LF 10" Perforated Non Reinforced Concrete Drainage Pipe.....	44.10	13.77
For Extra Strength, Add	2.87	
For >1,000, Deduct	-2.21	
33 41 16 13-0054 LF 12" Perforated Non Reinforced Concrete Drainage Pipe.....	52.08	15.02
For Extra Strength, Add	3.60	
For >1,000, Deduct	-2.60	
<b>33 41 16 13-0055 Extra Strength Porous Non Reinforced Concrete Drainage Piping, C654 (33 41 16 13)</b>		
Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 13-0056 LF 6" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	26.93	11.27
For >1,000, Deduct	-1.35	
33 41 16 13-0057 LF 8" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	29.79	12.52
For >1,000, Deduct	-1.49	
33 41 16 13-0058 LF 10" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	32.87	13.77
For >1,000, Deduct	-1.64	
33 41 16 13-0059 LF 12" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	37.70	14.30
For >1,000, Deduct	-1.89	
33 41 16 13-0060 LF 15" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	44.01	16.10
For >1,000, Deduct	-2.20	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Stormwater Utilities</b>	<b>33 40</b>	
<b>Subdrainage</b>	<b>33 41</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0061	LF		18" Extra Strength Porous Non Reinforced Concrete Drainage Pipe ..... <i>For &gt;1,000, Deduct</i>	54.42 -2.72	20.57
33 41 16 13-0062	LF		21" Extra Strength Porous Non Reinforced Concrete Drainage Pipe ..... <i>For &gt;1,000, Deduct</i>	67.91 -3.40	26.38
33 41 16 13-0063	LF		24" Extra Strength Porous Non Reinforced Concrete Drainage Pipe ..... <i>For &gt;1,000, Deduct</i>	82.83 -4.14	32.19
<b>33 41 16 13-0064</b>			<b>Standard Strength Porous Non Reinforced Concrete Drainage Piping, C654 <small>(33 41 16 13)</small></b>		
33 41 16 13-0065	LF		6" Standard Strength Porous Non Reinforced Concrete Drainage Pipe ..... <i>For &gt;1,000, Deduct</i>	24.88 -1.24	11.27
33 41 16 13-0066	LF		8" Standard Strength Porous Non Reinforced Concrete Drainage Pipe ..... <i>For &gt;1,000, Deduct</i>	32.06 -1.60	12.52
33 41 16 13-0067	LF		10" Standard Strength Porous Non Reinforced Concrete Drainage Pipe ..... <i>For &gt;1,000, Deduct</i>	41.07 -2.05	13.77
33 41 16 13-0068	LF		12" Standard Strength Porous Non Reinforced Concrete Drainage Pipe ..... <i>For &gt;1,000, Deduct</i>	50.27 -2.51	15.02
33 41 16 13-0069	LF		15" Standard Strength Porous Non Reinforced Concrete Drainage Pipe ..... <i>For &gt;1,000, Deduct</i>	57.70 -2.89	16.71
33 41 16 13-0070	LF		18" Standard Strength Porous Non Reinforced Concrete Drainage Pipe ..... <i>For &gt;1,000, Deduct</i>	74.98 -3.75	20.85
<b>33 41 16 13-0071</b>			<b>Perforated Vitrified Clay Drainage Piping, C700 <small>(33 41 16 13)</small></b>		
33 41 16 13-0072	LF		4" Perforated Vitrified Clay Drainage Pipe.....	23.43	12.52
33 41 16 13-0073	LF		6" Perforated Vitrified Clay Drainage Pipe.....	27.97	14.09
33 41 16 13-0074	LF		8" Perforated Vitrified Clay Drainage Pipe.....	31.90	14.09
33 41 16 13-0075	LF		10" Perforated Vitrified Clay Drainage Pipe.....	42.75	17.22
33 41 16 13-0076	LF		12" Perforated Vitrified Clay Drainage Pipe.....	50.81	18.78
<b>33 41 16 13-0077</b>			<b>Geotextile Filter Fabric Sock <small>(33 41 16 13)</small></b>		
33 41 16 13-0078	LF		3" Geotextile Filter Fabric Sock.....	0.78	
33 41 16 13-0079	LF		4" Geotextile Filter Fabric Sock.....	1.01	
33 41 16 13-0080	LF		6" Geotextile Filter Fabric Sock.....	1.54	
33 41 16 13-0081	LF		8" Geotextile Filter Fabric Sock.....	2.07	
33 41 16 13-0082	LF		10" Geotextile Filter Fabric Sock.....	3.12	
33 41 16 13-0083	LF		12" Geotextile Filter Fabric Sock.....	4.34	
33 41 16 13-0084	LF		15" Geotextile Filter Fabric Sock.....	5.26	
<b>33 41 16 13-0085</b>			<b>Strip-Perforated, Galvanized, Corrugated Steel Pipe <small>(33 41 16 13)</small></b> Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0086	LF		6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	23.13 1.24	5.37
33 41 16 13-0087	LF		8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	29.35 1.63	6.50
33 41 16 13-0088	LF		10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	37.00 2.05	8.25
33 41 16 13-0089	LF		12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	40.94 2.14	9.76
33 41 16 13-0090	LF		15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	47.14 2.69	10.09
33 41 16 13-0091	LF		18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	53.47 3.25	10.47
33 41 16 13-0092	LF		21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	61.31 3.87	11.29
<b>33 41 16 13-0093</b>			<b>Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe <small>(33 41 16 13)</small></b> Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0094	LF		6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	25.13 1.44	5.37
33 41 16 13-0095	LF		8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	32.06 1.91	6.50
33 41 16 13-0096	LF		10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	40.31 2.38	8.25
33 41 16 13-0097	LF		12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	44.15 2.46	9.76
33 41 16 13-0098	LF		15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	51.10 3.09	10.09
33 41 16 13-0099	LF		18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	58.18 3.72	10.47
33 41 16 13-0100	LF		21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	66.79 4.42	11.29
<b>33 41 16 13-0101</b>			<b>Strip-Perforated, Corrugated Aluminum Pipe <small>(33 41 16 13)</small></b> Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0102	LF		6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe ..... <i>For Full Perforated, Add</i>	25.77 1.50	5.37



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0103	LF	8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	.....	32.89	6.50
		<i>For Full Perforated, Add</i>		1.99	
33 41 16 13-0104	LF	10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	.....	41.36	8.25
		<i>For Full Perforated, Add</i>		2.49	
33 41 16 13-0105	LF	12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	.....	52.07	9.76
		<i>For Full Perforated, Add</i>		3.26	
33 41 16 13-0106	LF	15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	.....	60.95	10.09
		<i>For Full Perforated, Add</i>		4.08	
33 41 16 13-0107	LF	18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	.....	70.12	10.47
		<i>For Full Perforated, Add</i>		4.92	
33 41 16 13-0108	LF	21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	.....	80.72	11.29
		<i>For Full Perforated, Add</i>		5.81	
<b>33 41 16 13-0109</b>		<b>Prefabricated Composite Drains</b> <small>(33 41 16 13)</small>			
<b>33 41 16 13-0110</b>		<b>Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)</b> <small>(33 41 16 13-0109)</small>			
		Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.			
33 41 16 13-0111	LF	12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	.....	10.67	2.10
		<i>For External Typar Geotextile Wrap, Add</i>		2.03	
33 41 16 13-0112	EA	Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	.....	48.76	
33 41 16 13-0113	EA	End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	.....	48.76	
33 41 16 13-0114	EA	Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	.....	95.76	
33 41 16 13-0115	EA	End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	.....	95.76	
33 41 16 13-0116	LF	18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	.....	17.20	2.63
		<i>For External Typar Geotextile Wrap, Add</i>		3.04	
33 41 16 13-0117	EA	Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	.....	72.89	
33 41 16 13-0118	EA	End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	.....	72.89	
33 41 16 13-0119	EA	Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	.....	126.26	
33 41 16 13-0120	EA	End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	.....	126.26	
<b>33 41 19</b>		<b>Underslab Drainage</b> <small>(33 41)</small>			
<b>33 41 19 13</b>		<b>Underslab Drainage Piping</b> <small>(33 41 19)</small>			
<b>33 41 19 13-0001</b>		<b>Capillary Water Barrier Underslab Drainage</b> <small>(33 41 19 13)</small>			
		Note: Consists of a layer of fine granular material overlying a coarse layer.			
33 41 19 13-0002	CY	2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	.....	49.64	
33 41 19 13-0003	CY	4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	.....	47.26	
33 41 19 13-0004	CY	6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	.....	46.31	
33 41 19 13-0005	CY	8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	.....	44.88	
<b>33 42</b>		<b>Stormwater Conveyance</b> <small>(33 42)</small>			
		Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.			
<b>33 42 11</b>		<b>Stormwater Gravity Piping</b> <small>(33 42)</small>			
<b>33 42 11 00-0001</b>		<b>Reinforced Concrete Piping</b> <small>(33 42 11)</small>			
<b>33 42 11 00-0002</b>		<b>Class 3 Reinforced Concrete Pipe Without Gaskets</b> <small>(33 42 11 00-0001)</small>			
33 42 11 00-0003	LF	12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	.....	50.06	15.02
		<i>For &gt;1,000, Deduct</i>		-2.50	
		<i>For Class 4, Add</i>		2.72	
		<i>For Class 5, Add</i>		5.72	
33 42 11 00-0004	LF	15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	.....	60.50	16.71
		<i>For &gt;1,000, Deduct</i>		-3.03	
		<i>For Class 4, Add</i>		3.48	
		<i>For Class 5, Add</i>		7.32	
33 42 11 00-0005	LF	18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	.....	68.30	20.85
		<i>For &gt;1,000, Deduct</i>		-3.42	
		<i>For Class 4, Add</i>		3.66	
		<i>For Class 5, Add</i>		7.70	
33 42 11 00-0006	LF	21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	.....	87.62	26.29
		<i>For &gt;1,000, Deduct</i>		-4.38	
		<i>For Class 4, Add</i>		4.76	
		<i>For Class 5, Add</i>		10.01	
33 42 11 00-0007	LF	24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	.....	102.25	31.92
		<i>For &gt;1,000, Deduct</i>		-5.11	
		<i>For Class 4, Add</i>		5.38	
		<i>For Class 5, Add</i>		11.33	
33 42 11 00-0008	LF	27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	.....	129.86	40.86
		<i>For &gt;1,000, Deduct</i>		-6.49	
		<i>For Class 4, Add</i>		6.79	
		<i>For Class 5, Add</i>		14.30	
33 42 11 00-0009	LF	30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	.....	138.31	42.20
		<i>For &gt;1,000, Deduct</i>		-6.92	
		<i>For Class 4, Add</i>		7.35	
		<i>For Class 5, Add</i>		15.46	



<b>Utilities</b>	<b>33</b>	<b>CSU</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0010 LF 36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	172.67	47.94
For >1,000, Deduct	-8.63	
For Class 4, Add	9.96	
For Class 5, Add	20.97	
33 42 11 00-0011 LF 42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	226.34	52.75
For >1,000, Deduct	-11.32	
For Class 4, Add	14.41	
For Class 5, Add	30.35	
33 42 11 00-0012 LF 48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	272.11	58.74
For >1,000, Deduct	-13.61	
For Class 4, Add	17.88	
For Class 5, Add	37.64	
33 42 11 00-0013 LF 54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	340.27	67.13
For >1,000, Deduct	-17.01	
For Class 4, Add	23.22	
For Class 5, Add	48.87	
33 42 11 00-0014 LF 60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	411.78	77.87
For >1,000, Deduct	-20.59	
For Class 4, Add	28.55	
For Class 5, Add	60.11	
33 42 11 00-0015 LF 66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	644.14	86.31
For >1,000, Deduct	-32.21	
For Class 4, Add	49.53	
For Class 5, Add	104.28	
33 42 11 00-0016 LF 72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	753.23	93.98
For >1,000, Deduct	-37.66	
For Class 4, Add	58.80	
For Class 5, Add	123.80	
33 42 11 00-0017 LF 78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	907.81	105.49
For >1,000, Deduct	-45.39	
For Class 4, Add	71.89	
For Class 5, Add	151.35	
33 42 11 00-0018 LF 84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	1,174.57	117.47
For >1,000, Deduct	-58.73	
For Class 4, Add	95.64	
For Class 5, Add	201.35	
<b>33 42 11 00-0019 HE-I Elliptical Reinforced Concrete Piping Without Gaskets (33 42 11 00-0001)</b>		
33 42 11 00-0020 LF 12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size).....	80.15	23.84
For >1,000, Deduct	-4.01	
For Horizontal Elliptical - II (HE- II), Add	4.61	
For Horizontal Elliptical - III (HE- III), Add	10.14	
For Horizontal Elliptical - IV (HE- IV), Add	22.12	
33 42 11 00-0021 LF 14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size).....	122.93	27.72
For >1,000, Deduct	-6.15	
For Horizontal Elliptical - II (HE- II), Add	8.33	
For Horizontal Elliptical - III (HE- III), Add	18.33	
For Horizontal Elliptical - IV (HE- IV), Add	40.00	
33 42 11 00-0022 LF 19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size).....	169.68	42.45
For >1,000, Deduct	-8.48	
For Horizontal Elliptical - II (HE- II), Add	10.90	
For Horizontal Elliptical - III (HE- III), Add	23.99	
For Horizontal Elliptical - IV (HE- IV), Add	52.33	
33 42 11 00-0023 LF 22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size).....	199.53	54.34
For >1,000, Deduct	-9.98	
For Horizontal Elliptical - II (HE- II), Add	12.19	
For Horizontal Elliptical - III (HE- III), Add	26.82	
For Horizontal Elliptical - IV (HE- IV), Add	58.51	
33 42 11 00-0024 LF 24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size).....	212.04	56.79
For >1,000, Deduct	-10.60	
For Horizontal Elliptical - II (HE- II), Add	13.09	
For Horizontal Elliptical - III (HE- III), Add	28.80	
For Horizontal Elliptical - IV (HE- IV), Add	62.84	
33 42 11 00-0025 LF 27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size).....	244.84	59.95
For >1,000, Deduct	-12.24	
For Horizontal Elliptical - II (HE- II), Add	15.92	
For Horizontal Elliptical - III (HE- III), Add	35.02	
For Horizontal Elliptical - IV (HE- IV), Add	76.42	
33 42 11 00-0026 LF 29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size).....	277.66	63.12
For >1,000, Deduct	-13.88	
For Horizontal Elliptical - II (HE- II), Add	18.75	
For Horizontal Elliptical - III (HE- III), Add	41.25	
For Horizontal Elliptical - IV (HE- IV), Add	89.99	
33 42 11 00-0027 LF 34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size).....	340.41	69.46
For >1,000, Deduct	-17.02	
For Horizontal Elliptical - II (HE- II), Add	24.12	
For Horizontal Elliptical - III (HE- III), Add	53.06	
For Horizontal Elliptical - IV (HE- IV), Add	115.77	
33 42 11 00-0028 LF 38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size).....	411.68	78.12
For >1,000, Deduct	-20.58	
For Horizontal Elliptical - II (HE- II), Add	30.01	
For Horizontal Elliptical - III (HE- III), Add	66.02	
For Horizontal Elliptical - IV (HE- IV), Add	144.03	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0029 LF 43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size) .....	468.54	89.28
For >1,000, Deduct	-23.43	
For Horizontal Elliptical - II (HE- II), Add	34.10	
For Horizontal Elliptical - III (HE- III), Add	75.02	
For Horizontal Elliptical - IV (HE- IV), Add	163.68	
33 42 11 00-0030 LF 48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size) .....	582.15	103.57
For >1,000, Deduct	-29.11	
For Horizontal Elliptical - II (HE- II), Add	43.42	
For Horizontal Elliptical - III (HE- III), Add	95.52	
For Horizontal Elliptical - IV (HE- IV), Add	208.42	
33 42 11 00-0031 LF 53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size) .....	665.56	114.12
33 42 11 00-0032 LF 58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size) .....	810.78	124.67
33 42 11 00-0033 LF 63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size) .....	970.89	140.97
33 42 11 00-0034 LF 68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size) .....	1,049.94	156.31
33 42 11 00-0035 LF 72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size) .....	1,354.52	163.98
33 42 11 00-0036 LF 77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size) .....	1,574.79	171.66
<b>33 42 11 00-0037 Concrete Reducing Wye Without Gaskets (33 42 11 00-0001)</b>		
33 42 11 00-0038 EA 12" Concrete Reducing Wye Without Gaskets .....	646.14	57.23
33 42 11 00-0039 EA 15" Concrete Reducing Wye Without Gaskets .....	774.49	69.75
33 42 11 00-0040 EA 18" Concrete Reducing Wye Without Gaskets .....	959.82	76.90
33 42 11 00-0041 EA 21" Concrete Reducing Wye Without Gaskets .....	1,099.50	94.79
33 42 11 00-0042 EA 24" Concrete Reducing Wye Without Gaskets .....	1,240.52	114.46
<b>33 42 11 00-0043 Concrete Pipe Joint Gaskets (33 42 11 00-0001)</b>		
33 42 11 00-0044 EA 12" Diameter Concrete Pipe Joint Gasket .....	6.34	
33 42 11 00-0045 EA 15" Diameter Concrete Pipe Joint Gasket .....	7.50	
33 42 11 00-0046 EA 18" Diameter Concrete Pipe Joint Gasket .....	8.69	
33 42 11 00-0047 EA 21" Diameter Concrete Pipe Joint Gasket .....	10.50	
33 42 11 00-0048 EA 24" Diameter Concrete Pipe Joint Gasket .....	12.31	
33 42 11 00-0049 EA 27" Diameter Concrete Pipe Joint Gasket .....	13.71	
33 42 11 00-0050 EA 30" Diameter Concrete Pipe Joint Gasket .....	15.07	
33 42 11 00-0051 EA 36" Diameter Concrete Pipe Joint Gasket .....	18.41	
33 42 11 00-0052 EA 42" Diameter Concrete Pipe Joint Gasket .....	21.34	
33 42 11 00-0053 EA 48" Diameter Concrete Pipe Joint Gasket .....	24.62	
33 42 11 00-0054 EA 54" Diameter Concrete Pipe Joint Gasket .....	30.17	
33 42 11 00-0055 EA 60" Diameter Concrete Pipe Joint Gasket .....	44.66	
33 42 11 00-0056 EA 66" Diameter Concrete Pipe Joint Gasket .....	46.43	
33 42 11 00-0057 EA 72" Diameter Concrete Pipe Joint Gasket .....	48.14	
33 42 11 00-0058 EA 78" Diameter Concrete Pipe Joint Gasket .....	55.44	
33 42 11 00-0059 EA 84" Diameter Concrete Pipe Joint Gasket .....	66.46	
<b>33 42 11 00-0060 Precast Concrete Cut Off Wall (33 42 11 00-0001)</b>		
33 42 11 00-0061 EA 12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	252.10	168.79
33 42 11 00-0062 EA 15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	310.86	209.06
33 42 11 00-0063 EA 18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	384.97	264.68
33 42 11 00-0064 EA 21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	455.25	316.46
33 42 11 00-0065 EA 24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	523.52	366.24
33 42 11 00-0066 EA 27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	643.76	467.98
33 42 11 00-0067 EA 30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	838.88	644.44
33 42 11 00-0068 EA 36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	1,044.81	813.22
33 42 11 00-0069 EA 42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	1,288.58	1,020.17
33 42 11 00-0070 EA 48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	1,441.40	1,149.83
33 42 11 00-0071 EA 54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	1,608.78	1,288.88
33 42 11 00-0072 EA 60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	1,778.33	1,431.77
33 42 11 00-0073 EA 66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	1,847.98	1,486.43
33 42 11 00-0074 EA 72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	1,909.26	1,534.38
33 42 11 00-0075 EA 78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	1,970.54	1,582.33
33 42 11 00-0076 EA 84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	2,033.47	1,630.27
<b>33 42 11 00-0077 Strap Assembly (33 42 11 00-0001)</b>		
Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.		
33 42 11 00-0078 EA Up To 24" Diameter Pipe, 12' Strap Assembly .....	227.39	
33 42 11 00-0079 EA >24" Diameter Pipe, 12' Strap Assembly .....	321.48	
<b>33 42 11 00-0080 Prestressed Concrete Cylinder Piping (33 42 11)</b>		
<b>33 42 11 00-0081 150 PSI Prestressed Concrete Cylinder Pipe And Fittings (33 42 11 00-0080)</b>		
<b>33 42 11 00-0082 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets (33 42 11 00-0081)</b>		
Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0083 LF 12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets .....	144.66	15.02
For >1,000, Deduct	-7.23	
For 100 PSI, Deduct	-30.80	
33 42 11 00-0084 LF 15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets .....	154.21	16.71
For >1,000, Deduct	-7.71	
For 100 PSI, Deduct	-32.58	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0085 LF 18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	167.24 -8.36 -34.37	20.85
33 42 11 00-0086 LF 21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	182.16 -9.11 -36.15	26.29
33 42 11 00-0087 LF 24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	197.34 -9.87 -37.93	31.92
33 42 11 00-0088 LF 30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	230.88 -11.54 -42.47	42.20
33 42 11 00-0089 LF 36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	255.84 -12.79 -47.01	47.94
33 42 11 00-0090 LF 42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	297.67 -14.88 -55.77	52.75
33 42 11 00-0091 LF 48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	341.98 -17.10 -64.52	58.74
33 42 11 00-0092 LF 54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	455.44 -22.77 -86.24	77.33
33 42 11 00-0093 LF 60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	549.62 -27.48 -105.37	89.71
33 42 11 00-0094 LF 66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	617.99 -30.90 -119.15	99.43
33 42 11 00-0095 LF 72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	689.62 -34.48 -133.74	108.26
33 42 11 00-0096 LF 78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	783.51 -39.18 -152.38	121.53
33 42 11 00-0097 LF 84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	877.41 -43.87 -171.02	135.33
<b>33 42 11 00-0098 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets <sup>(33)</sup></b> <small><sup>42 11 00-0081)</sup></small>		
33 42 11 00-0099 EA 12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	447.03	140.84
33 42 11 00-0100 EA 15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	616.37	201.20
33 42 11 00-0101 EA 18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	789.40	268.27
33 42 11 00-0102 EA 21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	962.45	335.32
33 42 11 00-0103 EA 24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,164.97	416.70
33 42 11 00-0104 EA 30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,496.53	558.88
33 42 11 00-0105 EA 36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,861.05	671.29
33 42 11 00-0106 EA 42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,166.77	783.50
33 42 11 00-0107 EA 48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,435.28	894.73
33 42 11 00-0108 EA 54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,990.66	1,117.22
33 42 11 00-0109 EA 60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,960.46	1,546.64
<b>33 42 11 00-0110 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets <sup>(33)</sup></b> <small><sup>42 11 00-0081)</sup></small>		
33 42 11 00-0111 EA 12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	413.96	140.84
33 42 11 00-0112 EA 15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	573.57	201.20
33 42 11 00-0113 EA 18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	738.83	268.27
33 42 11 00-0114 EA 21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	904.09	335.32
33 42 11 00-0115 EA 24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,098.84	416.70
33 42 11 00-0116 EA 30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,405.76	521.33
33 42 11 00-0117 EA 36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,757.30	671.29
33 42 11 00-0118 EA 42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,046.81	783.50
33 42 11 00-0119 EA 48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,306.24	894.73
33 42 11 00-0120 EA 54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,810.64	1,117.22
33 42 11 00-0121 EA 60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,785.81	1,546.64
<b>33 42 11 00-0122 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints <sup>(33 42 11 00-0080)</sup></b>		
<b>33 42 11 00-0123 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints <sup>(33 42 11 00-0122)</sup></b> <small>Note: AWWA C301</small>		
33 42 11 00-0124 LF 30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For &gt;1,000, Deduct</i>	273.52 -13.68	42.20
33 42 11 00-0125 LF 36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For &gt;1,000, Deduct</i>	334.59 -16.73	47.94
33 42 11 00-0126 LF 42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For &gt;1,000, Deduct</i>	391.15 -19.56	52.75

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0127			<b>400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints</b> <small>(33 42 11 00-0122)</small>		
			Note: AWWA C301		
33 42 11 00-0128	LF		48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	529.76	58.69
			For >1,000, Deduct	-26.49	
33 42 11 00-0129	LF		54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	635.67	77.33
			For >1,000, Deduct	-31.78	
33 42 11 00-0130	LF		60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	732.69	89.71
			For >1,000, Deduct	-36.63	
33 42 11 00-0131	LF		66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	825.28	99.43
			For >1,000, Deduct	-41.26	
33 42 11 00-0132	LF		72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	1,002.03	108.26
			For >1,000, Deduct	-50.10	
33 42 11 00-0133			<b>Welded Joints For Prestressed Concrete Cylinder Pipe</b> <small>(33 42 11 00-0122)</small>		
			Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
33 42 11 00-0134	EA		30" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,130.83	
33 42 11 00-0135	EA		36" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,288.67	
33 42 11 00-0136	EA		42" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,367.59	
33 42 11 00-0137	EA		48" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,683.27	
33 42 11 00-0138	EA		54" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,762.19	
33 42 11 00-0139	EA		60" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,920.03	
33 42 11 00-0140	EA		66" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,998.95	
33 42 11 00-0141	EA		72" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,077.87	
33 42 11 00-0142	EA		30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,945.98	
33 42 11 00-0143	EA		36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,945.98	
33 42 11 00-0144	EA		42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,498.42	
33 42 11 00-0145	EA		48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,498.42	
33 42 11 00-0146	EA		54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,814.10	
33 42 11 00-0147	EA		60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,814.10	
33 42 11 00-0148	EA		66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,208.70	
33 42 11 00-0149	EA		72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,208.70	
33 42 11 00-0150			<b>Quick Test Joints</b> <small>(33 42 11 00-0122)</small>		
33 42 11 00-0151	EA		30" Quick Test Joint.....	587.83	
33 42 11 00-0152	EA		36" Quick Test Joint.....	592.63	
33 42 11 00-0153	EA		42" Quick Test Joint.....	597.42	
33 42 11 00-0154	EA		48" Quick Test Joint.....	609.26	
33 42 11 00-0155	EA		54" Quick Test Joint.....	638.00	
33 42 11 00-0156	EA		60" Quick Test Joint.....	660.78	
33 42 11 00-0157	EA		66" Quick Test Joint.....	695.26	
33 42 11 00-0158	EA		72" Quick Test Joint.....	729.76	
33 42 11 00-0159			<b>Harnessed Joints</b> <small>(33 42 11 00-0122)</small>		
33 42 11 00-0160			<b>Harness Clamp Restrained Joints</b> <small>(33 42 11 00-0159)</small>		
33 42 11 00-0161	EA		30" Harness Clamp Restrained Joint.....	3,706.51	
33 42 11 00-0162	EA		36" Harness Clamp Restrained Joint.....	3,850.92	
33 42 11 00-0163	EA		42" Harness Clamp Restrained Joint.....	3,995.32	
33 42 11 00-0164	EA		48" Harness Clamp Restrained Joint.....	4,139.71	
33 42 11 00-0165	EA		54" Harness Clamp Restrained Joint.....	4,298.70	
33 42 11 00-0166	EA		60" Harness Clamp Restrained Joint.....	4,519.16	
33 42 11 00-0167	EA		66" Harness Clamp Restrained Joint.....	4,669.81	
33 42 11 00-0168	EA		72" Harness Clamp Restrained Joint.....	5,001.96	
33 42 11 00-0169			<b>Snap Ring Restrained Joints</b> <small>(33 42 11 00-0159)</small>		
33 42 11 00-0170	EA		30" Snap Ring Restrained Joint.....	635.15	
33 42 11 00-0171	EA		36" Snap Ring Restrained Joint.....	723.71	
33 42 11 00-0172	EA		42" Snap Ring Restrained Joint.....	965.84	
33 42 11 00-0173	EA		48" Snap Ring Restrained Joint.....	1,096.27	
33 42 11 00-0174	EA		54" Snap Ring Restrained Joint.....	1,241.30	
33 42 11 00-0175	EA		60" Snap Ring Restrained Joint.....	1,405.92	
33 42 11 00-0176	EA		66" Snap Ring Restrained Joint.....	1,556.57	
33 42 11 00-0177	EA		72" Snap Ring Restrained Joint.....	1,735.14	
33 42 11 00-0178			<b>Pipe Repairs</b> <small>(33 42 11 00-0122)</small>		
			Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJD sleeve, 20' pipe.		
33 42 11 00-0179			<b>Lined Cylinder Pipe Repair</b> <small>(33 42 11 00-0178)</small>		
33 42 11 00-0180	EA		30" Lined Cylinder Pipe Repair.....	5,787.97	
33 42 11 00-0181	EA		36" Lined Cylinder Pipe Repair.....	7,172.26	
33 42 11 00-0182	EA		42" Lined Cylinder Pipe Repair.....	10,345.43	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 11 00-0183</b> <b>Embedded Cylinder Pipe Repair</b> <small>(33 42 11 00-0178)</small>		
Note: Field welded concrete enclosure assembly with concrete pipe.		
33 42 11 00-0184    EA    48" Embedded Cylinder Pipe Repair .....	15,678.77	
33 42 11 00-0185    EA    54" Embedded Cylinder Pipe Repair .....	18,245.90	
33 42 11 00-0186    EA    60" Embedded Cylinder Pipe Repair .....	20,828.94	
33 42 11 00-0187    EA    66" Embedded Cylinder Pipe Repair .....	23,537.13	
33 42 11 00-0188    EA    72" Embedded Cylinder Pipe Repair .....	28,434.25	
<b>33 42 11 00-0189</b> <b>High Density Polyethylene (HDPE) Drainage Piping</b> <small>(33 42 11)</small>		
<b>33 42 11 00-0190</b> <b>Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0189)</small>		
Note: Excludes couplings and gaskets.		
<b>33 42 11 00-0191</b> <b>Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0190)</small>		
33 42 11 00-0192    LF    4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	14.14	6.34
For <100, Add	2.53	
For >1,000, Deduct	-1.34	
33 42 11 00-0193    LF    6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	18.50	7.36
For <100, Add	2.95	
For >1,000, Deduct	-1.66	
33 42 11 00-0194    LF    8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	22.76	8.56
For <100, Add	3.42	
For >1,000, Deduct	-1.99	
33 42 11 00-0195    LF    10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	25.86	8.87
For <100, Add	3.55	
For >1,000, Deduct	-2.18	
33 42 11 00-0196    LF    12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	27.19	9.18
For <100, Add	3.67	
For >1,000, Deduct	-2.28	
33 42 11 00-0197    LF    15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	30.85	9.50
For <100, Add	3.80	
For >1,000, Deduct	-2.49	
33 42 11 00-0198    LF    18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	37.37	9.84
For <100, Add	3.94	
For >1,000, Deduct	-2.85	
33 42 11 00-0199    LF    24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	51.21	11.53
For <100, Add	4.61	
For >1,000, Deduct	-3.71	
33 42 11 00-0200    LF    30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	72.63	15.53
For <100, Add	6.21	
For >1,000, Deduct	-5.18	
33 42 11 00-0201    LF    36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	95.45	19.62
For <100, Add	7.85	
For >1,000, Deduct	-6.74	
<b>33 42 11 00-0202</b> <b>Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0190)</small>		
33 42 11 00-0203    LF    12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	27.04	9.18
For <100, Add	3.67	
For >1,000, Deduct	-2.27	
33 42 11 00-0204    LF    15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	31.47	9.50
For <100, Add	3.80	
For >1,000, Deduct	-2.52	
33 42 11 00-0205    LF    18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	38.30	9.84
For <100, Add	3.94	
For >1,000, Deduct	-2.90	
33 42 11 00-0206    LF    24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	52.69	11.53
For <100, Add	4.61	
For >1,000, Deduct	-3.79	
33 42 11 00-0207    LF    30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	76.68	15.53
For <100, Add	6.21	
For >1,000, Deduct	-5.39	
33 42 11 00-0208    LF    36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	98.47	19.62
For <100, Add	7.85	
For >1,000, Deduct	-6.89	
33 42 11 00-0209    LF    42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	128.30	21.41
For <100, Add	8.57	
For >1,000, Deduct	-8.56	
33 42 11 00-0210    LF    48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	139.91	24.16
For <100, Add	9.66	
For >1,000, Deduct	-9.41	
<b>33 42 11 00-0211</b> <b>Perforated, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0189)</small>		
Note: Excludes couplings and gaskets.		
<b>33 42 11 00-0212</b> <b>Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0211)</small>		

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0213	LF	4"	Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	14.92	6.34
			<i>For &lt;100, Add</i>	2.53	
			<i>For &gt;1,000, Deduct</i>	-1.38	
33 42 11 00-0214	LF	6"	Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	18.52	7.36
			<i>For &lt;100, Add</i>	2.95	
			<i>For &gt;1,000, Deduct</i>	-1.66	
33 42 11 00-0215	LF	8"	Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.76	8.56
			<i>For &lt;100, Add</i>	3.42	
			<i>For &gt;1,000, Deduct</i>	-1.99	
33 42 11 00-0216	LF	10"	Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	25.89	8.87
			<i>For &lt;100, Add</i>	3.55	
			<i>For &gt;1,000, Deduct</i>	-2.18	
33 42 11 00-0217	LF	12"	Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	27.19	9.18
			<i>For &lt;100, Add</i>	3.67	
			<i>For &gt;1,000, Deduct</i>	-2.28	
33 42 11 00-0218	LF	15"	Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	30.87	9.50
			<i>For &lt;100, Add</i>	3.80	
			<i>For &gt;1,000, Deduct</i>	-2.49	
33 42 11 00-0219	LF	18"	Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	37.39	9.84
			<i>For &lt;100, Add</i>	3.94	
			<i>For &gt;1,000, Deduct</i>	-2.85	
33 42 11 00-0220	LF	24"	Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	51.21	11.53
			<i>For &lt;100, Add</i>	4.61	
			<i>For &gt;1,000, Deduct</i>	-3.71	
33 42 11 00-0221	LF	30"	Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	72.89	15.53
			<i>For &lt;100, Add</i>	6.21	
			<i>For &gt;1,000, Deduct</i>	-5.20	
33 42 11 00-0222	LF	36"	Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	95.45	19.62
			<i>For &lt;100, Add</i>	7.85	
			<i>For &gt;1,000, Deduct</i>	-6.74	
<b>33 42 11 00-0223</b>			<b>Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0211)</small>		
33 42 11 00-0224	LF	12"	Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	27.06	9.18
			<i>For &lt;100, Add</i>	3.67	
			<i>For &gt;1,000, Deduct</i>	-2.27	
33 42 11 00-0225	LF	15"	Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	31.50	9.50
			<i>For &lt;100, Add</i>	3.80	
			<i>For &gt;1,000, Deduct</i>	-2.53	
33 42 11 00-0226	LF	18"	Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	38.33	9.84
			<i>For &lt;100, Add</i>	3.94	
			<i>For &gt;1,000, Deduct</i>	-2.90	
33 42 11 00-0227	LF	24"	Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	52.69	11.53
			<i>For &lt;100, Add</i>	4.61	
			<i>For &gt;1,000, Deduct</i>	-3.79	
33 42 11 00-0228	LF	30"	Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	76.68	15.53
			<i>For &lt;100, Add</i>	6.21	
			<i>For &gt;1,000, Deduct</i>	-5.39	
33 42 11 00-0229	LF	36"	Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	98.47	19.62
			<i>For &lt;100, Add</i>	7.85	
			<i>For &gt;1,000, Deduct</i>	-6.89	
33 42 11 00-0230	LF	42"	Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	128.30	21.41
			<i>For &lt;100, Add</i>	8.57	
			<i>For &gt;1,000, Deduct</i>	-8.56	
33 42 11 00-0231	LF	48"	Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	139.91	24.16
			<i>For &lt;100, Add</i>	9.66	
			<i>For &gt;1,000, Deduct</i>	-9.41	
<b>33 42 11 00-0232</b>			<b>Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings</b> <small>(33 42 11 00-0189)</small>		
			Note: Excludes couplings and gaskets.		
<b>33 42 11 00-0233</b>			<b>Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)</b> <small>(33 42 11 00-0232)</small>		
33 42 11 00-0234	EA	4"	Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	57.01	21.34
33 42 11 00-0235	EA	6"	Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	71.58	24.90
33 42 11 00-0236	EA	8"	Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	115.34	30.24
33 42 11 00-0237	EA	10"	Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	175.73	37.35
33 42 11 00-0238	EA	12"	Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	276.93	44.47
33 42 11 00-0239	EA	15"	Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	390.75	58.10
33 42 11 00-0240	EA	18"	Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	561.81	78.25
33 42 11 00-0241	EA	24"	Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	719.77	89.32
33 42 11 00-0242	EA	30"	Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	1,256.43	103.16
33 42 11 00-0243	EA	36"	Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	1,613.34	119.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0244 EA 42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	2,684.49	142.28
33 42 11 00-0245 EA 48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	3,369.25	168.97
<b>33 42 11 00-0246 Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0232)</b>		
33 42 11 00-0247 EA 4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	83.31	21.34
33 42 11 00-0248 EA 6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	100.44	24.90
33 42 11 00-0249 EA 8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	133.56	30.24
33 42 11 00-0250 EA 10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	195.82	37.35
33 42 11 00-0251 EA 12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	341.55	44.47
33 42 11 00-0252 EA 15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	370.92	58.10
33 42 11 00-0253 EA 18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	523.25	78.25
<b>33 42 11 00-0254 22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0232)</b>		
33 42 11 00-0255 EA 4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	34.70	14.23
33 42 11 00-0256 EA 6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	42.80	16.60
33 42 11 00-0257 EA 8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	62.31	20.16
33 42 11 00-0258 EA 10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	78.40	24.90
33 42 11 00-0259 EA 12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	113.55	29.65
33 42 11 00-0260 EA 15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	179.11	37.94
33 42 11 00-0261 EA 18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	237.44	52.17
33 42 11 00-0262 EA 24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	449.35	59.28
33 42 11 00-0263 EA 30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	623.94	68.77
33 42 11 00-0264 EA 36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	731.13	79.44
33 42 11 00-0265 EA 42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	934.15	94.85
33 42 11 00-0266 EA 48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,262.37	112.64
<b>33 42 11 00-0267 45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0232)</b>		
33 42 11 00-0268 EA 4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	37.58	14.23
33 42 11 00-0269 EA 6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	48.79	16.60
33 42 11 00-0270 EA 8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	65.37	20.16
33 42 11 00-0271 EA 10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	103.30	24.90
33 42 11 00-0272 EA 12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	113.55	29.65
33 42 11 00-0273 EA 15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	178.61	37.94
33 42 11 00-0274 EA 18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	277.59	52.17
33 42 11 00-0275 EA 24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	480.37	59.28
33 42 11 00-0276 EA 30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	625.42	68.77
33 42 11 00-0277 EA 36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	797.99	79.44
33 42 11 00-0278 EA 42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,192.19	94.85
33 42 11 00-0279 EA 48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,493.64	112.64
<b>33 42 11 00-0280 Couplings And End Caps, Corrugated High Density Polyethylene (HDPE) Pipe Fittings (33 42 11 00-0189)</b>		
Note: For single and double wall high density polyethylene (HDPE) piping.		
<b>33 42 11 00-0281 Couplings, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0280)</b>		
33 42 11 00-0282 EA 4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	1.72	
33 42 11 00-0283 EA 6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	3.08	
33 42 11 00-0284 EA 8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	4.74	
33 42 11 00-0285 EA 10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	5.83	
33 42 11 00-0286 EA 12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	6.27	
33 42 11 00-0287 EA 15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	8.93	
33 42 11 00-0288 EA 18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	13.21	
33 42 11 00-0289 EA 24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	21.02	
33 42 11 00-0290 EA 30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	32.28	
33 42 11 00-0291 EA 36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	42.23	
33 42 11 00-0292 EA 42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	66.39	
33 42 11 00-0293 EA 48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	89.80	
<b>33 42 11 00-0294 Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0280)</b>		
33 42 11 00-0295 EA 4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	90.92	
33 42 11 00-0296 EA 6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	95.20	
33 42 11 00-0297 EA 8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	99.68	
33 42 11 00-0298 EA 10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	104.37	
33 42 11 00-0299 EA 12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	123.79	
33 42 11 00-0300 EA 15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	127.81	
33 42 11 00-0301 EA 18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	133.31	
33 42 11 00-0302 EA 24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	151.84	
33 42 11 00-0303 EA 30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	243.41	
33 42 11 00-0304 EA 36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	266.61	
33 42 11 00-0305 EA 42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	290.50	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 42 11 00-0306	EA	48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	352.81	
<b>33 42 11 00-0307</b>		<b>End Caps, Corrugated High Density Polyethylene (HDPE) Pipe</b> (33 42 11 00-0280)		
33 42 11 00-0308	EA	6" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	31.68	
33 42 11 00-0309	EA	8" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	37.26	
33 42 11 00-0310	EA	10" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	60.73	
33 42 11 00-0311	EA	12" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	103.74	
33 42 11 00-0312	EA	15" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	120.78	
33 42 11 00-0313	EA	18" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	163.47	
33 42 11 00-0314	EA	24" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	169.32	
<b>33 42 11 00-0315</b>		<b>Vitrified Clay Piping</b> (33 42 11)		
<b>33 42 11 00-0316</b>		<b>Extra Strength Vitrified Clay Piping</b> (33 42 11 00-0315)		
<b>33 42 11 00-0317</b>		<b>Plain Joint, Extra Strength, Vitrified Clay Piping</b> (33 42 11 00-0316)		
		Note: ASTM C700.		
33 42 11 00-0318	LF	4" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	19.38	
		For 3' Lengths, Add	1.68	
		For 2' Lengths, Add	2.24	
		For Standard Strength, Deduct	-0.56	
		For >1,000, Deduct	-0.97	
33 42 11 00-0319	LF	6" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	32.19	
		For 3' Lengths, Add	2.60	
		For 2' Lengths, Add	3.47	
		For Standard Strength, Deduct	-0.87	
		For >1,000, Deduct	-1.61	
33 42 11 00-0320	LF	8" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	38.53	
		For 3' Lengths, Add	3.72	
		For 2' Lengths, Add	4.96	
		For Standard Strength, Deduct	-1.24	
		For >1,000, Deduct	-1.93	
33 42 11 00-0321	LF	10" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	46.10	
		For 3' Lengths, Add	5.70	
		For 2' Lengths, Add	7.60	
		For Standard Strength, Deduct	-1.90	
		For >1,000, Deduct	-2.31	
33 42 11 00-0322	LF	12" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	56.38	
		For 3' Lengths, Add	8.04	
		For 2' Lengths, Add	10.72	
		For Standard Strength, Deduct	-2.68	
		For >1,000, Deduct	-2.82	
33 42 11 00-0323	LF	15" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	83.17	
		For 3' Lengths, Add	15.08	
		For 2' Lengths, Add	20.11	
		For Standard Strength, Deduct	-5.03	
		For >1,000, Deduct	-4.16	
33 42 11 00-0324	LF	18" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	113.08	
		For 3' Lengths, Add	21.62	
		For 2' Lengths, Add	28.82	
		For Standard Strength, Deduct	-7.21	
		For >1,000, Deduct	-5.65	
33 42 11 00-0325	LF	21" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	167.18	
		For 3' Lengths, Add	34.63	
		For 2' Lengths, Add	46.18	
		For Standard Strength, Deduct	-11.54	
		For >1,000, Deduct	-8.36	
33 42 11 00-0326	LF	24" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	213.63	
		For 3' Lengths, Add	45.24	
		For 2' Lengths, Add	60.32	
		For Standard Strength, Deduct	-15.08	
		For >1,000, Deduct	-10.68	
33 42 11 00-0327	LF	30" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	264.33	
		For 3' Lengths, Add	56.42	
		For 2' Lengths, Add	75.22	
		For Standard Strength, Deduct	-18.81	
		For >1,000, Deduct	-13.22	
33 42 11 00-0328	LF	36" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	319.79	
		For 3' Lengths, Add	68.15	
		For 2' Lengths, Add	90.86	
		For Standard Strength, Deduct	-22.72	
		For >1,000, Deduct	-15.99	
<b>33 42 11 00-0329</b>		<b>Compression Joint, Extra Strength, Vitrified Clay Piping</b> (33 42 11 00-0316)		
		Note: ASTM C425.		
33 42 11 00-0330	LF	4" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	27.49	
		For 3' Lengths, Add	1.98	
		For 2' Lengths, Add	2.64	
		For Standard Strength, Deduct	-0.66	
		For >1,000, Deduct	-1.37	



	<b>Utilities</b>	<b>33</b>
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0331	LF		6" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	34.27	
			For 3' Lengths, Add	3.23	
			For 2' Lengths, Add	4.30	
			For Standard Strength, Deduct	-1.08	
			For >1,000, Deduct	-1.71	
33 42 11 00-0332	LF		8" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	41.32	
			For 3' Lengths, Add	4.56	
			For 2' Lengths, Add	6.08	
			For Standard Strength, Deduct	-1.52	
			For >1,000, Deduct	-2.07	
33 42 11 00-0333	LF		10" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	52.06	
			For 3' Lengths, Add	7.49	
			For 2' Lengths, Add	9.98	
			For Standard Strength, Deduct	-2.50	
			For >1,000, Deduct	-2.60	
33 42 11 00-0334	LF		12" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	62.34	
			For 3' Lengths, Add	9.83	
			For 2' Lengths, Add	13.11	
			For Standard Strength, Deduct	-3.28	
			For >1,000, Deduct	-3.12	
33 42 11 00-0335	LF		15" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	92.67	
			For 3' Lengths, Add	17.93	
			For 2' Lengths, Add	23.91	
			For Standard Strength, Deduct	-5.98	
			For >1,000, Deduct	-4.63	
33 42 11 00-0336	LF		18" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	128.53	
			For 3' Lengths, Add	26.25	
			For 2' Lengths, Add	35.00	
			For Standard Strength, Deduct	-8.75	
			For >1,000, Deduct	-6.43	
33 42 11 00-0337	LF		21" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	184.87	
			For 3' Lengths, Add	39.94	
			For 2' Lengths, Add	53.25	
			For Standard Strength, Deduct	-13.31	
			For >1,000, Deduct	-9.24	
33 42 11 00-0338	LF		24" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	241.56	
			For 3' Lengths, Add	53.62	
			For 2' Lengths, Add	71.50	
			For Standard Strength, Deduct	-17.87	
			For >1,000, Deduct	-12.08	
33 42 11 00-0339	LF		30" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	387.22	
			For 3' Lengths, Add	93.28	
			For 2' Lengths, Add	124.38	
			For Standard Strength, Deduct	-31.09	
			For >1,000, Deduct	-19.36	
33 42 11 00-0340	LF		36" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	550.67	
			For 3' Lengths, Add	137.41	
			For 2' Lengths, Add	183.21	
			For Standard Strength, Deduct	-45.80	
			For >1,000, Deduct	-27.53	
33 42 11 00-0341			Extra Strength, Vitrified Clay Pipe Fittings (33 42 11 00-0315)		
33 42 11 00-0342			1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0341)		
33 42 11 00-0343			Plain End 1/8 Bend, Extra Strength, Vitrified Clay (33 42 11 00-0342)		
33 42 11 00-0344	EA		4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	81.26	
33 42 11 00-0345	EA		6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	109.78	
33 42 11 00-0346	EA		8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	157.02	
33 42 11 00-0347	EA		10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	215.65	
33 42 11 00-0348	EA		12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	285.09	
33 42 11 00-0349	EA		15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	682.19	
33 42 11 00-0350	EA		18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	962.37	
33 42 11 00-0351	EA		21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,501.98	
33 42 11 00-0352	EA		24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,733.39	
33 42 11 00-0353	EA		30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	2,012.69	
33 42 11 00-0354	EA		36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	3,020.48	
33 42 11 00-0355			Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0342)		
33 42 11 00-0356	EA		4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	91.83	
33 42 11 00-0357	EA		6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	130.67	
33 42 11 00-0358	EA		8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	177.12	
33 42 11 00-0359	EA		10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	237.13	
33 42 11 00-0360	EA		12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	301.14	
33 42 11 00-0361	EA		15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	765.20	
33 42 11 00-0362	EA		18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,113.47	
33 42 11 00-0363	EA		21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,144.34	
33 42 11 00-0364	EA		24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,219.99	
33 42 11 00-0365	EA		30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,472.06	
33 42 11 00-0366	EA		36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	3,672.29	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 11 00-0367		1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0341)	
33 42 11 00-0368		Plain End 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0367)	
33 42 11 00-0369	EA	4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	95.05
33 42 11 00-0370	EA	6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	126.40
33 42 11 00-0371	EA	8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	176.46
33 42 11 00-0372	EA	10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	236.64
33 42 11 00-0373	EA	12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	308.75
33 42 11 00-0374	EA	15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	708.50
33 42 11 00-0375	EA	18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	995.19
33 42 11 00-0376	EA	21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	1,543.36
33 42 11 00-0377	EA	24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	1,783.65
33 42 11 00-0378	EA	30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	2,075.37
33 42 11 00-0379	EA	36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	3,090.16
33 42 11 00-0380		Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0367)	
33 42 11 00-0381	EA	4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	108.38
33 42 11 00-0382	EA	6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	150.61
33 42 11 00-0383	EA	8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	200.45
33 42 11 00-0384	EA	10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	262.33
33 42 11 00-0385	EA	12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	329.53
33 42 11 00-0386	EA	15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	796.77
33 42 11 00-0387	EA	18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	1,152.85
33 42 11 00-0388	EA	21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	2,237.72
33 42 11 00-0389	EA	24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	2,280.30
33 42 11 00-0390	EA	30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	2,547.28
33 42 11 00-0391	EA	36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	3,755.90
33 42 11 00-0392		Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0341)	
33 42 11 00-0393		Plain End Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0392)	
33 42 11 00-0394	EA	4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	104.42
33 42 11 00-0395	EA	6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	136.33
33 42 11 00-0396	EA	8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	185.33
33 42 11 00-0397	EA	10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	244.49
33 42 11 00-0398	EA	12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	309.21
33 42 11 00-0399	EA	15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	715.41
33 42 11 00-0400	EA	18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	1,001.31
33 42 11 00-0401	EA	21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	1,446.98
33 42 11 00-0402	EA	24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	2,013.87
33 42 11 00-0403	EA	30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	2,131.04
33 42 11 00-0404	EA	36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	3,065.67
33 42 11 00-0405		Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0392)	
33 42 11 00-0406	EA	4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	127.58
33 42 11 00-0407	EA	6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	174.99
33 42 11 00-0408	EA	8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	230.47
33 42 11 00-0409	EA	10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	297.61
33 42 11 00-0410	EA	12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	371.41
33 42 11 00-0411	EA	15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	870.24
33 42 11 00-0412	EA	18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	1,254.44
33 42 11 00-0413	EA	21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	1,862.71
33 42 11 00-0414	EA	24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	2,468.06
33 42 11 00-0415	EA	30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	2,854.69
33 42 11 00-0416	EA	36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee .....	4,053.36
33 42 11 00-0417		Vitrified Clay Couplings (33 42 11 00-0315)	
33 42 11 00-0418		Vitrified Clay To Cast Iron Or Plastic Pipe Couplings (33 42 11 00-0417)	
		Note: Stainless steel tightening band at each end (Fernco #1002)	
33 42 11 00-0419	EA	4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	43.66
33 42 11 00-0420	EA	4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	43.11
33 42 11 00-0421	EA	5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	63.29
33 42 11 00-0422	EA	5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	58.86
33 42 11 00-0423	EA	6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	79.44
33 42 11 00-0424	EA	6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	83.29
33 42 11 00-0425	EA	6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	74.78
33 42 11 00-0426	EA	8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	114.35
33 42 11 00-0427	EA	8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	104.62
33 42 11 00-0428	EA	10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	153.39
33 42 11 00-0429	EA	10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	138.36
33 42 11 00-0430	EA	12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	193.58
33 42 11 00-0431	EA	12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	159.06
33 42 11 00-0432	EA	15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	338.41
33 42 11 00-0433	EA	15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	256.15



<b>Utilities</b>	<b>33</b>	<b>CSU</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 11 00-0434</b> <b>Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings</b> <small>(33 42 11 00-0417)</small>		
Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-0435    EA    4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	69.12	
33 42 11 00-0436    EA    6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	92.41	
33 42 11 00-0437    EA    6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	97.87	
33 42 11 00-0438    EA    8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	102.59	
33 42 11 00-0439    EA    10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	127.13	
33 42 11 00-0440    EA    12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	147.80	
<b>33 42 11 00-0441</b> <b>Vitrified Clay To Plastic Pipe Non-Shear Couplings</b> <small>(33 42 11 00-0417)</small>		
Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-0442    EA    4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	70.95	
33 42 11 00-0443    EA    6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	94.24	
33 42 11 00-0444    EA    6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	86.09	
33 42 11 00-0445    EA    8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	113.55	
33 42 11 00-0446    EA    10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	165.49	
33 42 11 00-0447    EA    12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	187.18	
<b>33 42 11 00-0448</b> <b>Corrugated Metal Piping</b> <small>(33 42 11)</small>		
<b>33 42 11 00-0449</b> <b>Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0448)</small>		
<b>33 42 11 00-0450</b> <b>2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0449)</small>		
<b>33 42 11 00-0451</b> <b>16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0450)</small>		
33 42 11 00-0452    LF    12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	32.91	9.38
For Bituminous Coated Pipe, Add		
	3.24	
For Bituminous Coated And 25% Paved, Add		
	6.63	
For Smooth-Flo, Add		
	11.85	
33 42 11 00-0453    LF    15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	37.07	9.84
For Bituminous Coated Pipe, Add		
	4.08	
For Bituminous Coated And 25% Paved, Add		
	8.35	
For Smooth-Flo, Add		
	14.91	
33 42 11 00-0454    LF    18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	41.37	10.73
For Bituminous Coated Pipe, Add		
	4.94	
For Bituminous Coated And 25% Paved, Add		
	10.11	
For Smooth-Flo, Add		
	18.06	
33 42 11 00-0455    LF    21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	47.03	11.62
For Bituminous Coated Pipe, Add		
	5.91	
For Bituminous Coated And 25% Paved, Add		
	12.10	
For Smooth-Flo, Add		
	21.60	
33 42 11 00-0456    LF    24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	52.03	12.52
For Bituminous Coated Pipe, Add		
	6.66	
For Bituminous Coated And 25% Paved, Add		
	13.61	
For Smooth-Flo, Add		
	24.31	
33 42 11 00-0457    LF    30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	68.70	16.10
For Bituminous Coated Pipe, Add		
	8.63	
For Bituminous Coated And 25% Paved, Add		
	17.66	
For Smooth-Flo, Add		
	31.54	
33 42 11 00-0458    LF    36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	89.76	21.10
For Bituminous Coated Pipe, Add		
	10.89	
For Bituminous Coated And 25% Paved, Add		
	22.28	
For Smooth-Flo, Add		
	39.79	
33 42 11 00-0459    LF    42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	102.08	24.93
For Bituminous Coated Pipe, Add		
	12.89	
For Bituminous Coated And 25% Paved, Add		
	26.36	
For Smooth-Flo, Add		
	47.07	
33 42 11 00-0460    LF    48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	114.73	28.77
For Bituminous Coated Pipe, Add		
	14.44	
For Bituminous Coated And 25% Paved, Add		
	29.53	
For Smooth-Flo, Add		
	52.73	
<b>33 42 11 00-0461</b> <b>14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0450)</small>		
33 42 11 00-0462    LF    12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	35.80	9.38
For Bituminous Coated Pipe, Add		
	3.29	
For Bituminous Coated And 25% Paved, Add		
	7.62	
For Smooth-Flo, Add		
	15.41	
33 42 11 00-0463    LF    15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	40.63	9.84
For Bituminous Coated Pipe, Add		
	4.13	
For Bituminous Coated And 25% Paved, Add		
	9.56	
For Smooth-Flo, Add		
	19.33	
33 42 11 00-0464    LF    18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	45.68	10.73
For Bituminous Coated Pipe, Add		
	5.00	
For Bituminous Coated And 25% Paved, Add		
	11.58	
For Smooth-Flo, Add		
	23.40	
33 42 11 00-0465    LF    21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	52.01	11.62
For Bituminous Coated Pipe, Add		
	5.94	
For Bituminous Coated And 25% Paved, Add		
	13.77	
For Smooth-Flo, Add		
	27.83	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0466	LF	24'	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	57.82	12.52
			<i>For Bituminous Coated Pipe, Add</i>	6.72	
			<i>For Bituminous Coated And 25% Paved, Add</i>	15.58	
			<i>For Smooth-Flo, Add</i>	31.49	
33 42 11 00-0467	LF	30'	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	75.77	16.10
			<i>For Bituminous Coated Pipe, Add</i>	8.64	
			<i>For Bituminous Coated And 25% Paved, Add</i>	20.01	
			<i>For Smooth-Flo, Add</i>	40.44	
33 42 11 00-0468	LF	36'	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	98.34	21.10
			<i>For Bituminous Coated Pipe, Add</i>	10.83	
			<i>For Bituminous Coated And 25% Paved, Add</i>	25.08	
			<i>For Smooth-Flo, Add</i>	50.70	
33 42 11 00-0469	LF	42'	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	111.91	24.93
			<i>For Bituminous Coated Pipe, Add</i>	12.74	
			<i>For Bituminous Coated And 25% Paved, Add</i>	29.52	
			<i>For Smooth-Flo, Add</i>	59.67	
33 42 11 00-0470	LF	48'	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	125.97	28.77
			<i>For Bituminous Coated Pipe, Add</i>	14.32	
			<i>For Bituminous Coated And 25% Paved, Add</i>	33.18	
			<i>For Smooth-Flo, Add</i>	67.06	
33 42 11 00-0471	LF	54'	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	150.37	32.61
			<i>For Bituminous Coated Pipe, Add</i>	17.61	
			<i>For Bituminous Coated And 25% Paved, Add</i>	40.80	
			<i>For Smooth-Flo, Add</i>	82.48	
<b>33 42 11 00-0472</b>			<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping <sup>(33)</sup></b>		
			<small><sup>42 11 00-0460)</sup></small>		
33 42 11 00-0473	LF	18'	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	54.60	10.73
			<i>For Bituminous Coated Pipe, Add</i>	5.72	
			<i>For Bituminous Coated And 25% Paved, Add</i>	10.33	
			<i>For Smooth-Flo, Add</i>	19.86	
33 42 11 00-0474	LF	21'	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	62.38	11.62
			<i>For Bituminous Coated Pipe, Add</i>	6.76	
			<i>For Bituminous Coated And 25% Paved, Add</i>	12.22	
			<i>For Smooth-Flo, Add</i>	23.48	
33 42 11 00-0475	LF	24'	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	69.64	11.62
			<i>For Bituminous Coated Pipe, Add</i>	7.67	
			<i>For Bituminous Coated And 25% Paved, Add</i>	13.85	
			<i>For Smooth-Flo, Add</i>	26.61	
33 42 11 00-0476	LF	30'	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	90.38	16.10
			<i>For Bituminous Coated Pipe, Add</i>	9.75	
			<i>For Bituminous Coated And 25% Paved, Add</i>	17.61	
			<i>For Smooth-Flo, Add</i>	33.84	
33 42 11 00-0477	LF	36'	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	115.68	21.10
			<i>For Bituminous Coated Pipe, Add</i>	12.06	
			<i>For Bituminous Coated And 25% Paved, Add</i>	21.78	
			<i>For Smooth-Flo, Add</i>	41.85	
33 42 11 00-0478	LF	42'	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	131.94	24.93
			<i>For Bituminous Coated Pipe, Add</i>	14.13	
			<i>For Bituminous Coated And 25% Paved, Add</i>	25.51	
			<i>For Smooth-Flo, Add</i>	49.03	
33 42 11 00-0479	LF	48'	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	148.93	28.77
			<i>For Bituminous Coated Pipe, Add</i>	15.95	
			<i>For Bituminous Coated And 25% Paved, Add</i>	28.81	
			<i>For Smooth-Flo, Add</i>	55.37	
33 42 11 00-0480	LF	54'	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	175.72	32.61
			<i>For Bituminous Coated Pipe, Add</i>	19.13	
			<i>For Bituminous Coated And 25% Paved, Add</i>	34.55	
			<i>For Smooth-Flo, Add</i>	66.40	
33 42 11 00-0481	LF	60'	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	192.09	34.52
			<i>For Bituminous Coated Pipe, Add</i>	20.95	
			<i>For Bituminous Coated And 25% Paved, Add</i>	37.83	
			<i>For Smooth-Flo, Add</i>	72.71	
33 42 11 00-0482	LF	66'	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	232.66	42.20
			<i>For Bituminous Coated Pipe, Add</i>	25.51	
			<i>For Bituminous Coated And 25% Paved, Add</i>	46.06	
			<i>For Smooth-Flo, Add</i>	88.52	
<b>33 42 11 00-0483</b>			<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping <sup>(33)</sup></b>		
			<small><sup>42 11 00-0460)</sup></small>		
33 42 11 00-0484	LF	36'	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	131.90	21.10
			<i>For Bituminous Coated Pipe, Add</i>	15.34	
			<i>For Bituminous Coated And 25% Paved, Add</i>	25.62	
			<i>For Smooth-Flo, Add</i>	36.56	
33 42 11 00-0485	LF	42'	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	150.93	24.93
			<i>For Bituminous Coated Pipe, Add</i>	17.97	
			<i>For Bituminous Coated And 25% Paved, Add</i>	30.02	
			<i>For Smooth-Flo, Add</i>	42.83	
33 42 11 00-0486	LF	48'	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	170.48	28.77
			<i>For Bituminous Coated Pipe, Add</i>	20.31	
			<i>For Bituminous Coated And 25% Paved, Add</i>	33.93	
			<i>For Smooth-Flo, Add</i>	48.41	





	<b>Utilities</b>	<b>33</b>
	<b>Stormwater Utilities</b>	<b>33 40</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0487	LF	54"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	199.85 24.05 40.18 57.33	32.61
33 42 11 00-0488	LF	60"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	218.95 26.42 44.13 62.97	34.52
33 42 11 00-0489	LF	66"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	262.18 31.60 52.79 75.33	42.20
33 42 11 00-0490	LF	72"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	314.84 33.93 56.68 80.88	61.38
33 42 11 00-0491			<b>3" x 1" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0489)</small>		
33 42 11 00-0492			<b>16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0491)</small>		
33 42 11 00-0493	LF	36"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	104.64 11.98 27.19 54.14	21.10
33 42 11 00-0494	LF	42"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	119.15 14.06 31.93 63.57	24.93
33 42 11 00-0495	LF	48"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	133.95 15.77 35.81 71.30	28.77
33 42 11 00-0496	LF	54"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	159.52 19.27 43.74 87.09	32.61
33 42 11 00-0497	LF	60"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	173.81 20.99 47.65 94.88	34.52
33 42 11 00-0498	LF	66"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	217.44 26.96 61.21 121.88	42.20
33 42 11 00-0499	LF	72"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	265.76 28.74 65.24 129.91	61.38
33 42 11 00-0500	LF	78"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	286.88 30.53 69.29 137.98	67.13
33 42 11 00-0501	LF	84"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	305.39 32.31 73.34 146.04	71.93
33 42 11 00-0502	LF	90"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	323.94 34.10 77.41 154.13	76.72
33 42 11 00-0503	LF	96"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	343.12 35.88 81.44 162.17	81.52
33 42 11 00-0504	LF	102"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	365.04 37.68 85.52 170.30	86.31
33 42 11 00-0505			<b>14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0491)</small>		
33 42 11 00-0506	LF	54"	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	174.71 22.31 43.72 88.33	32.61
33 42 11 00-0507	LF	60"	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	190.61 24.35 47.73 96.43	34.52
33 42 11 00-0508	LF	66"	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	235.92 30.66 60.09 121.41	42.20

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0509	LF	72"	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	285.89	61.38
			<i>For Bituminous Coated Pipe, Add</i>	32.77	
			<i>For Bituminous Coated And 25% Paved, Add</i>	64.23	
			<i>For Smooth-Flo, Add</i>	129.76	
33 42 11 00-0510	LF	78"	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	308.62	67.13
			<i>For Bituminous Coated Pipe, Add</i>	34.87	
			<i>For Bituminous Coated And 25% Paved, Add</i>	68.35	
			<i>For Smooth-Flo, Add</i>	138.10	
33 42 11 00-0511	LF	84"	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	328.85	71.93
			<i>For Bituminous Coated Pipe, Add</i>	37.00	
			<i>For Bituminous Coated And 25% Paved, Add</i>	72.52	
			<i>For Smooth-Flo, Add</i>	146.53	
33 42 11 00-0512	LF	90"	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	348.99	76.72
			<i>For Bituminous Coated Pipe, Add</i>	39.11	
			<i>For Bituminous Coated And 25% Paved, Add</i>	76.66	
			<i>For Smooth-Flo, Add</i>	154.88	
33 42 11 00-0513	LF	96"	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	369.81	81.52
			<i>For Bituminous Coated Pipe, Add</i>	41.22	
			<i>For Bituminous Coated And 25% Paved, Add</i>	80.78	
			<i>For Smooth-Flo, Add</i>	163.22	
33 42 11 00-0514	LF	102"	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	393.35	86.31
			<i>For Bituminous Coated Pipe, Add</i>	43.34	
			<i>For Bituminous Coated And 25% Paved, Add</i>	84.94	
			<i>For Smooth-Flo, Add</i>	171.62	
33 42 11 00-0515	LF	108"	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	419.09	95.90
			<i>For Bituminous Coated Pipe, Add</i>	45.46	
			<i>For Bituminous Coated And 25% Paved, Add</i>	89.10	
			<i>For Smooth-Flo, Add</i>	180.01	
33 42 11 00-0516	LF	114"	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	444.24	105.49
			<i>For Bituminous Coated Pipe, Add</i>	47.54	
			<i>For Bituminous Coated And 25% Paved, Add</i>	93.17	
			<i>For Smooth-Flo, Add</i>	188.25	
<b>33 42 11 00-0517</b>			<b>12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping</b> (33 42 11 00-0491)		
33 42 11 00-0518	LF	60"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	227.87	34.52
			<i>For Bituminous Coated Pipe, Add</i>	31.80	
			<i>For Bituminous Coated And 25% Paved, Add</i>	60.59	
			<i>For Smooth-Flo, Add</i>	98.75	
33 42 11 00-0519	LF	66"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	277.19	42.20
			<i>For Bituminous Coated Pipe, Add</i>	38.91	
			<i>For Bituminous Coated And 25% Paved, Add</i>	74.13	
			<i>For Smooth-Flo, Add</i>	120.83	
33 42 11 00-0520	LF	72"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	330.76	61.38
			<i>For Bituminous Coated Pipe, Add</i>	41.74	
			<i>For Bituminous Coated And 25% Paved, Add</i>	79.52	
			<i>For Smooth-Flo, Add</i>	129.61	
33 42 11 00-0521	LF	78"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	357.13	67.13
			<i>For Bituminous Coated Pipe, Add</i>	44.58	
			<i>For Bituminous Coated And 25% Paved, Add</i>	84.92	
			<i>For Smooth-Flo, Add</i>	138.41	
33 42 11 00-0522	LF	84"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	380.96	71.93
			<i>For Bituminous Coated Pipe, Add</i>	47.42	
			<i>For Bituminous Coated And 25% Paved, Add</i>	90.34	
			<i>For Smooth-Flo, Add</i>	147.25	
33 42 11 00-0523	LF	90"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	404.73	76.72
			<i>For Bituminous Coated Pipe, Add</i>	50.26	
			<i>For Bituminous Coated And 25% Paved, Add</i>	95.74	
			<i>For Smooth-Flo, Add</i>	156.05	
33 42 11 00-0524	LF	96"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	429.23	81.52
			<i>For Bituminous Coated Pipe, Add</i>	53.10	
			<i>For Bituminous Coated And 25% Paved, Add</i>	101.16	
			<i>For Smooth-Flo, Add</i>	164.88	
33 42 11 00-0525	LF	102"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	456.40	86.31
			<i>For Bituminous Coated Pipe, Add</i>	55.95	
			<i>For Bituminous Coated And 25% Paved, Add</i>	106.58	
			<i>For Smooth-Flo, Add</i>	173.72	
33 42 11 00-0526	LF	108"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	485.71	95.90
			<i>For Bituminous Coated Pipe, Add</i>	58.78	
			<i>For Bituminous Coated And 25% Paved, Add</i>	111.98	
			<i>For Smooth-Flo, Add</i>	182.52	
33 42 11 00-0527	LF	114"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	514.53	105.49
			<i>For Bituminous Coated Pipe, Add</i>	61.60	
			<i>For Bituminous Coated And 25% Paved, Add</i>	117.34	
			<i>For Smooth-Flo, Add</i>	191.26	
33 42 11 00-0528	LF	120"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	542.32	115.08
			<i>For Bituminous Coated Pipe, Add</i>	64.44	
			<i>For Bituminous Coated And 25% Paved, Add</i>	122.77	
			<i>For Smooth-Flo, Add</i>	200.10	
<b>33 42 11 00-0529</b>			<b>10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping</b> (33 42 11 00-0491)		



<b>Utilities</b>	<b>33</b>	<b>CSU</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0530 LF 72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	372.60	61.38
For Bituminous Coated Pipe, Add	50.11	
For Bituminous Coated And 25% Paved, Add	95.21	
For Smooth-Flo, Add	127.28	
33 42 11 00-0531 LF 78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	402.41	67.13
For Bituminous Coated Pipe, Add	53.63	
For Bituminous Coated And 25% Paved, Add	101.90	
For Smooth-Flo, Add	136.23	
33 42 11 00-0532 LF 84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	429.67	71.93
For Bituminous Coated Pipe, Add	57.17	
For Bituminous Coated And 25% Paved, Add	108.62	
For Smooth-Flo, Add	145.20	
33 42 11 00-0533 LF 90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	456.88	76.72
For Bituminous Coated Pipe, Add	60.69	
For Bituminous Coated And 25% Paved, Add	115.31	
For Smooth-Flo, Add	154.15	
33 42 11 00-0534 LF 96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	484.81	81.52
For Bituminous Coated Pipe, Add	64.22	
For Bituminous Coated And 25% Paved, Add	122.01	
For Smooth-Flo, Add	163.11	
33 42 11 00-0535 LF 102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	515.41	86.31
For Bituminous Coated Pipe, Add	67.75	
For Bituminous Coated And 25% Paved, Add	128.73	
For Smooth-Flo, Add	172.09	
33 42 11 00-0536 LF 108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	548.16	95.90
For Bituminous Coated Pipe, Add	71.27	
For Bituminous Coated And 25% Paved, Add	135.42	
For Smooth-Flo, Add	181.03	
33 42 11 00-0537 LF 114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	580.38	105.49
For Bituminous Coated Pipe, Add	74.77	
For Bituminous Coated And 25% Paved, Add	142.06	
For Smooth-Flo, Add	189.91	
33 42 11 00-0538 LF 120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	611.63	115.08
For Bituminous Coated Pipe, Add	78.31	
For Bituminous Coated And 25% Paved, Add	148.78	
For Smooth-Flo, Add	198.90	
33 42 11 00-0539 LF 126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	644.61	124.67
For Bituminous Coated Pipe, Add	81.81	
For Bituminous Coated And 25% Paved, Add	155.45	
For Smooth-Flo, Add	207.81	
33 42 11 00-0540 LF 132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	680.07	134.25
For Bituminous Coated Pipe, Add	85.35	
For Bituminous Coated And 25% Paved, Add	162.17	
For Smooth-Flo, Add	216.79	
33 42 11 00-0541 LF 138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	718.44	143.84
For Bituminous Coated Pipe, Add	88.89	
For Bituminous Coated And 25% Paved, Add	168.89	
For Smooth-Flo, Add	225.78	
<b>33 42 11 00-0542 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0449)</b>		
<b>33 42 11 00-0543 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0542)</b>		
33 42 11 00-0544 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	134.39	28.77
For Bituminous Coated Pipe, Add	19.83	
For Bituminous Coated And 25% Paved, Add	45.21	
For Smooth-Flo, Add	71.78	
33 42 11 00-0545 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	160.37	32.61
For Bituminous Coated Pipe, Add	24.30	
For Bituminous Coated And 25% Paved, Add	55.40	
For Smooth-Flo, Add	87.96	
33 42 11 00-0546 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	174.55	34.52
For Bituminous Coated Pipe, Add	26.43	
For Bituminous Coated And 25% Paved, Add	60.25	
For Smooth-Flo, Add	95.66	
33 42 11 00-0547 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	215.69	42.20
For Bituminous Coated Pipe, Add	33.27	
For Bituminous Coated And 25% Paved, Add	75.85	
For Smooth-Flo, Add	120.43	
33 42 11 00-0548 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	263.80	61.38
For Bituminous Coated Pipe, Add	35.44	
For Bituminous Coated And 25% Paved, Add	80.80	
For Smooth-Flo, Add	128.28	
33 42 11 00-0549 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	284.66	67.13
For Bituminous Coated Pipe, Add	37.60	
For Bituminous Coated And 25% Paved, Add	85.73	
For Smooth-Flo, Add	136.12	
33 42 11 00-0550 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	302.86	71.93
For Bituminous Coated Pipe, Add	39.76	
For Bituminous Coated And 25% Paved, Add	90.64	
For Smooth-Flo, Add	143.91	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0551	LF		90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	321.05	76.72
			<i>For Bituminous Coated Pipe, Add</i>	41.90	
			<i>For Bituminous Coated And 25% Paved, Add</i>	95.54	
			<i>For Smooth-Flo, Add</i>	151.69	
33 42 11 00-0552	LF		96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	340.06	81.52
			<i>For Bituminous Coated Pipe, Add</i>	44.08	
			<i>For Bituminous Coated And 25% Paved, Add</i>	100.51	
			<i>For Smooth-Flo, Add</i>	159.58	
33 42 11 00-0553	LF		102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	361.91	86.31
			<i>For Bituminous Coated Pipe, Add</i>	46.31	
			<i>For Bituminous Coated And 25% Paved, Add</i>	105.59	
			<i>For Smooth-Flo, Add</i>	167.65	
<b>33 42 11 00-0554</b>			<b>14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel</b>		
			<b>Piping</b> <small>(33 42 11 00-0542)</small>		
33 42 11 00-0555	LF		54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	179.35	32.61
			<i>For Bituminous Coated Pipe, Add</i>	23.23	
			<i>For Bituminous Coated And 25% Paved, Add</i>	54.60	
			<i>For Smooth-Flo, Add</i>	98.86	
33 42 11 00-0556	LF		60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	195.66	34.52
			<i>For Bituminous Coated Pipe, Add</i>	25.36	
			<i>For Bituminous Coated And 25% Paved, Add</i>	59.60	
			<i>For Smooth-Flo, Add</i>	107.92	
33 42 11 00-0557	LF		66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	238.72	42.20
			<i>For Bituminous Coated Pipe, Add</i>	31.22	
			<i>For Bituminous Coated And 25% Paved, Add</i>	73.37	
			<i>For Smooth-Flo, Add</i>	132.84	
33 42 11 00-0558	LF		72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	288.68	61.38
			<i>For Bituminous Coated Pipe, Add</i>	33.33	
			<i>For Bituminous Coated And 25% Paved, Add</i>	78.32	
			<i>For Smooth-Flo, Add</i>	141.80	
33 42 11 00-0559	LF		78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	311.79	67.13
			<i>For Bituminous Coated Pipe, Add</i>	35.51	
			<i>For Bituminous Coated And 25% Paved, Add</i>	83.44	
			<i>For Smooth-Flo, Add</i>	151.09	
33 42 11 00-0560	LF		84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	332.12	71.93
			<i>For Bituminous Coated Pipe, Add</i>	37.66	
			<i>For Bituminous Coated And 25% Paved, Add</i>	88.49	
			<i>For Smooth-Flo, Add</i>	160.23	
33 42 11 00-0561	LF		90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	351.34	76.72
			<i>For Bituminous Coated Pipe, Add</i>	39.58	
			<i>For Bituminous Coated And 25% Paved, Add</i>	93.01	
			<i>For Smooth-Flo, Add</i>	168.41	
33 42 11 00-0562	LF		96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	373.42	81.52
			<i>For Bituminous Coated Pipe, Add</i>	41.94	
			<i>For Bituminous Coated And 25% Paved, Add</i>	98.55	
			<i>For Smooth-Flo, Add</i>	178.45	
33 42 11 00-0563	LF		102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	397.05	86.31
			<i>For Bituminous Coated Pipe, Add</i>	44.08	
			<i>For Bituminous Coated And 25% Paved, Add</i>	103.58	
			<i>For Smooth-Flo, Add</i>	187.55	
33 42 11 00-0564	LF		108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	422.80	95.90
			<i>For Bituminous Coated Pipe, Add</i>	46.20	
			<i>For Bituminous Coated And 25% Paved, Add</i>	108.57	
			<i>For Smooth-Flo, Add</i>	196.58	
33 42 11 00-0565	LF		114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	448.42	105.49
			<i>For Bituminous Coated Pipe, Add</i>	48.37	
			<i>For Bituminous Coated And 25% Paved, Add</i>	113.68	
			<i>For Smooth-Flo, Add</i>	205.83	
<b>33 42 11 00-0566</b>			<b>12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel</b>		
			<b>Piping</b> <small>(33 42 11 00-0542)</small>		
33 42 11 00-0567	LF		60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	235.18	34.52
			<i>For Bituminous Coated Pipe, Add</i>	33.27	
			<i>For Bituminous Coated And 25% Paved, Add</i>	63.21	
			<i>For Smooth-Flo, Add</i>	114.10	
33 42 11 00-0568	LF		66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	282.24	42.20
			<i>For Bituminous Coated Pipe, Add</i>	39.92	
			<i>For Bituminous Coated And 25% Paved, Add</i>	75.86	
			<i>For Smooth-Flo, Add</i>	136.94	
33 42 11 00-0569	LF		72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	336.35	61.38
			<i>For Bituminous Coated Pipe, Add</i>	42.86	
			<i>For Bituminous Coated And 25% Paved, Add</i>	81.43	
			<i>For Smooth-Flo, Add</i>	147.01	
33 42 11 00-0570	LF		78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	363.12	67.13
			<i>For Bituminous Coated Pipe, Add</i>	45.77	
			<i>For Bituminous Coated And 25% Paved, Add</i>	86.97	
			<i>For Smooth-Flo, Add</i>	157.00	
33 42 11 00-0571	LF		84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	387.16	71.93
			<i>For Bituminous Coated Pipe, Add</i>	48.66	
			<i>For Bituminous Coated And 25% Paved, Add</i>	92.46	
			<i>For Smooth-Flo, Add</i>	166.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0572 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	411.40	76.72
<i>For Bituminous Coated Pipe, Add</i>	51.59	
<i>For Bituminous Coated And 25% Paved, Add</i>	98.02	
<i>For Smooth-Flo, Add</i>	176.96	
33 42 11 00-0573 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	436.23	81.52
<i>For Bituminous Coated Pipe, Add</i>	54.50	
<i>For Bituminous Coated And 25% Paved, Add</i>	103.55	
<i>For Smooth-Flo, Add</i>	186.94	
33 42 11 00-0574 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	463.67	86.31
<i>For Bituminous Coated Pipe, Add</i>	57.40	
<i>For Bituminous Coated And 25% Paved, Add</i>	109.06	
<i>For Smooth-Flo, Add</i>	196.89	
33 42 11 00-0575 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	493.45	95.90
<i>For Bituminous Coated Pipe, Add</i>	60.33	
<i>For Bituminous Coated And 25% Paved, Add</i>	114.63	
<i>For Smooth-Flo, Add</i>	206.93	
33 42 11 00-0576 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	522.75	105.49
<i>For Bituminous Coated Pipe, Add</i>	63.24	
<i>For Bituminous Coated And 25% Paved, Add</i>	120.16	
<i>For Smooth-Flo, Add</i>	216.91	
33 42 11 00-0577 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	550.84	115.08
<i>For Bituminous Coated Pipe, Add</i>	66.15	
<i>For Bituminous Coated And 25% Paved, Add</i>	125.68	
<i>For Smooth-Flo, Add</i>	226.89	
<b>33 42 11 00-0578 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel</b>		
<b>Piping</b> <small>(33 42 11 00-0542)</small>		
33 42 11 00-0579 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	382.00	61.38
<i>For Bituminous Coated Pipe, Add</i>	51.99	
<i>For Bituminous Coated And 25% Paved, Add</i>	98.78	
<i>For Smooth-Flo, Add</i>	155.19	
33 42 11 00-0580 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	413.01	67.13
<i>For Bituminous Coated Pipe, Add</i>	55.75	
<i>For Bituminous Coated And 25% Paved, Add</i>	105.93	
<i>For Smooth-Flo, Add</i>	166.42	
33 42 11 00-0581 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	441.02	71.93
<i>For Bituminous Coated Pipe, Add</i>	59.44	
<i>For Bituminous Coated And 25% Paved, Add</i>	112.93	
<i>For Smooth-Flo, Add</i>	177.42	
33 42 11 00-0582 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	468.86	76.72
<i>For Bituminous Coated Pipe, Add</i>	63.08	
<i>For Bituminous Coated And 25% Paved, Add</i>	119.86	
<i>For Smooth-Flo, Add</i>	188.31	
33 42 11 00-0583 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	497.60	81.52
<i>For Bituminous Coated Pipe, Add</i>	66.77	
<i>For Bituminous Coated And 25% Paved, Add</i>	126.87	
<i>For Smooth-Flo, Add</i>	199.32	
33 42 11 00-0584 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	528.81	86.31
<i>For Bituminous Coated Pipe, Add</i>	70.43	
<i>For Bituminous Coated And 25% Paved, Add</i>	133.82	
<i>For Smooth-Flo, Add</i>	210.23	
33 42 11 00-0585 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	562.36	95.90
<i>For Bituminous Coated Pipe, Add</i>	74.11	
<i>For Bituminous Coated And 25% Paved, Add</i>	140.81	
<i>For Smooth-Flo, Add</i>	221.22	
33 42 11 00-0586 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	595.49	105.49
<i>For Bituminous Coated Pipe, Add</i>	77.79	
<i>For Bituminous Coated And 25% Paved, Add</i>	147.80	
<i>For Smooth-Flo, Add</i>	232.20	
33 42 11 00-0587 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	627.32	115.08
<i>For Bituminous Coated Pipe, Add</i>	81.44	
<i>For Bituminous Coated And 25% Paved, Add</i>	154.74	
<i>For Smooth-Flo, Add</i>	243.11	
33 42 11 00-0588 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	666.90	124.67
<i>For Bituminous Coated Pipe, Add</i>	86.27	
<i>For Bituminous Coated And 25% Paved, Add</i>	163.92	
<i>For Smooth-Flo, Add</i>	257.52	
33 42 11 00-0589 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	704.57	134.25
<i>For Bituminous Coated Pipe, Add</i>	90.25	
<i>For Bituminous Coated And 25% Paved, Add</i>	171.48	
<i>For Smooth-Flo, Add</i>	269.40	
33 42 11 00-0590 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	745.91	143.84
<i>For Bituminous Coated Pipe, Add</i>	94.38	
<i>For Bituminous Coated And 25% Paved, Add</i>	179.33	
<i>For Smooth-Flo, Add</i>	281.74	
<b>33 42 11 00-0591 Helical Ribbed, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0449)</small>		
<b>33 42 11 00-0592 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0591)</small>		
33 42 11 00-0593 LF 18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	47.16	10.73
<i>For Bituminous Coated Pipe, Add</i>	6.11	
33 42 11 00-0594 LF 21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	53.83	11.62
<i>For Bituminous Coated Pipe, Add</i>	7.28	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0595 LF 24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	60.01	12.52
For Bituminous Coated Pipe, Add	8.27	
33 42 11 00-0596 LF 30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	78.73	16.10
For Bituminous Coated Pipe, Add	10.65	
33 42 11 00-0597 LF 36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	102.04	21.10
For Bituminous Coated Pipe, Add	13.35	
33 42 11 00-0598 LF 42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	116.39	24.93
For Bituminous Coated Pipe, Add	15.74	
33 42 11 00-0599 LF 48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	131.12	28.77
For Bituminous Coated Pipe, Add	17.72	
33 42 11 00-0600 LF 54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	156.33	32.61
For Bituminous Coated Pipe, Add	21.70	
33 42 11 00-0601 LF 60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	170.55	34.52
For Bituminous Coated Pipe, Add	23.70	
<b>33 42 11 00-0602 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0591)</b>		
33 42 11 00-0603 LF 18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	51.54	10.73
For Bituminous Coated Pipe, Add	7.07	
33 42 11 00-0604 LF 21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	58.95	11.62
For Bituminous Coated Pipe, Add	8.40	
33 42 11 00-0605 LF 24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	65.83	12.52
For Bituminous Coated Pipe, Add	9.54	
33 42 11 00-0606 LF 30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	85.97	16.10
For Bituminous Coated Pipe, Add	12.23	
33 42 11 00-0607 LF 36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	110.76	21.10
For Bituminous Coated Pipe, Add	15.25	
33 42 11 00-0608 LF 42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	126.59	24.93
For Bituminous Coated Pipe, Add	17.96	
33 42 11 00-0609 LF 48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	142.77	28.77
For Bituminous Coated Pipe, Add	20.26	
33 42 11 00-0610 LF 54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	169.42	32.61
For Bituminous Coated Pipe, Add	24.54	
33 42 11 00-0611 LF 60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	185.12	34.52
For Bituminous Coated Pipe, Add	26.86	
33 42 11 00-0612 LF 66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	227.07	42.20
For Bituminous Coated Pipe, Add	33.37	
33 42 11 00-0613 LF 72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	276.39	61.38
For Bituminous Coated Pipe, Add	35.65	
33 42 11 00-0614 LF 78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	298.66	67.13
For Bituminous Coated Pipe, Add	37.98	
<b>33 42 11 00-0615 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0591)</b>		
33 42 11 00-0616 LF 30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	100.65	16.10
For Bituminous Coated Pipe, Add	12.78	
33 42 11 00-0617 LF 36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	128.30	21.10
For Bituminous Coated Pipe, Add	15.79	
33 42 11 00-0618 LF 42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	147.13	24.93
For Bituminous Coated Pipe, Add	18.58	
33 42 11 00-0619 LF 48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	166.20	28.77
For Bituminous Coated Pipe, Add	21.00	
33 42 11 00-0620 LF 54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	195.81	32.61
For Bituminous Coated Pipe, Add	25.07	
33 42 11 00-0621 LF 60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	214.48	34.52
For Bituminous Coated Pipe, Add	27.52	
33 42 11 00-0622 LF 66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	259.28	42.20
For Bituminous Coated Pipe, Add	33.39	
33 42 11 00-0623 LF 72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	311.51	61.38
For Bituminous Coated Pipe, Add	35.81	
33 42 11 00-0624 LF 78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	336.67	67.13
For Bituminous Coated Pipe, Add	38.26	
33 42 11 00-0625 LF 84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	359.15	71.93
For Bituminous Coated Pipe, Add	40.69	
33 42 11 00-0626 LF 90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	381.61	76.72
For Bituminous Coated Pipe, Add	43.12	
33 42 11 00-0627 LF 96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	404.76	81.52
For Bituminous Coated Pipe, Add	45.55	
33 42 11 00-0628 LF 102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	429.13	86.31
For Bituminous Coated Pipe, Add	47.72	
<b>33 42 11 00-0629 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0449)</b>		
<b>33 42 11 00-0630 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0629)</b>		
33 42 11 00-0631 LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	17.10	5.37
For Bituminous Coated Pipe, Add	1.56	
33 42 11 00-0632 LF 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	18.41	5.37
For Bituminous Coated Pipe, Add	1.88	
33 42 11 00-0633 LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	21.44	6.70
For Bituminous Coated Pipe, Add	2.07	
33 42 11 00-0634 LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	23.10	6.70
For Bituminous Coated Pipe, Add	2.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0635 LF 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	27.10 2.59	8.05
33 42 11 00-0636 LF 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	29.20 3.11	8.05
<b>33 42 11 00-0637 Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping<sup>(33)</sup></b> <small><sup>42 11 00-0629)</sup></small>		
33 42 11 00-0638 LF 6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	17.28 1.54	5.37
33 42 11 00-0639 LF 6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	18.55 1.84	5.37
33 42 11 00-0640 LF 8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	21.62 2.02	6.70
33 42 11 00-0641 LF 8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	23.38 2.44	6.70
33 42 11 00-0642 LF 10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	27.42 2.56	8.05
33 42 11 00-0643 LF 10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	29.57 3.07	8.05
<b>33 42 11 00-0644 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings<sup>(33 42 11 00-0629)</sup></b>		
33 42 11 00-0645 EA 6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	9.64 2.17	
33 42 11 00-0646 EA 8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	12.76 2.87	
33 42 11 00-0647 EA 10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	15.65 3.52	
33 42 11 00-0648 EA 6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	34.78 4.80	
33 42 11 00-0649 EA 6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	8.11 1.09	
33 42 11 00-0650 EA 8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	10.22 1.64	
<b>33 42 11 00-0651 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping<sup>(33 42 11 00-0449)</sup></b>		
<b>33 42 11 00-0652 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping<sup>(33 42 11 00-0651)</sup></b>		
33 42 11 00-0653 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	52.05	9.38
33 42 11 00-0654 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	61.19	9.84
33 42 11 00-0655 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	70.63	10.73
33 42 11 00-0656 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	81.99	11.62
33 42 11 00-0657 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	91.43	12.52
33 42 11 00-0658 LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	119.73	16.10
33 42 11 00-0659 LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	154.20	21.10
33 42 11 00-0660 LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	178.30	24.93
33 42 11 00-0661 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	200.13	28.77
<b>33 42 11 00-0662 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping<sup>(33 42 11 00-0651)</sup></b>		
33 42 11 00-0663 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	59.09	9.38
33 42 11 00-0664 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	69.92	9.84
33 42 11 00-0665 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	81.08	10.73
33 42 11 00-0666 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	94.09	11.62
33 42 11 00-0667 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	105.48	12.52
33 42 11 00-0668 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	136.98	16.10
33 42 11 00-0669 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	175.03	21.10
33 42 11 00-0670 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	202.21	24.93
33 42 11 00-0671 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	227.41	28.77
33 42 11 00-0672 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	275.14	32.61
<b>33 42 11 00-0673 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping<sup>(33 42 11 00-0651)</sup></b>		
33 42 11 00-0674 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	102.86	10.73
33 42 11 00-0675 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	119.52	11.62
33 42 11 00-0676 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	134.40	12.52
33 42 11 00-0677 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	173.11	16.10
33 42 11 00-0678 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	209.52	21.10
33 42 11 00-0679 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	252.74	24.93
33 42 11 00-0680 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	285.08	28.77
33 42 11 00-0681 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	340.94	32.61
33 42 11 00-0682 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	372.54	34.52
33 42 11 00-0683 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	456.16	42.20
<b>33 42 11 00-0684 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping<sup>(33 42 11 00-0651)</sup></b>		
33 42 11 00-0685 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	257.98	21.10

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 11 00-0686	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	298.78	24.93
33 42 11 00-0687	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	337.37	28.77
33 42 11 00-0688	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	399.52	32.61
33 42 11 00-0689	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	437.76	34.52
33 42 11 00-0690	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	527.78	42.20
33 42 11 00-0691	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	599.33	61.38
<b>33 42 11 00-0692</b>		<b>3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0449)</b>		
<b>33 42 11 00-0693</b>		<b>16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0692)</b>		
33 42 11 00-0694	LF	36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	194.19	21.10
33 42 11 00-0695	LF	42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	224.41	24.93
33 42 11 00-0696	LF	48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	251.83	28.77
33 42 11 00-0697	LF	54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	304.54	32.61
33 42 11 00-0698	LF	60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	331.60	34.52
33 42 11 00-0699	LF	66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	421.88	42.20
33 42 11 00-0700	LF	72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	483.40	61.38
33 42 11 00-0701	LF	78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	517.67	67.13
33 42 11 00-0702	LF	84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	549.41	71.93
33 42 11 00-0703	LF	90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	581.18	76.72
33 42 11 00-0704	LF	96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	613.55	81.52
33 42 11 00-0705	LF	102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	648.74	86.31
<b>33 42 11 00-0706</b>		<b>14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0692)</b>		
33 42 11 00-0707	LF	54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	342.20	32.61
33 42 11 00-0708	LF	60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	373.23	34.52
33 42 11 00-0709	LF	66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	467.74	42.20
33 42 11 00-0710	LF	72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	533.27	61.38
33 42 11 00-0711	LF	78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	571.61	67.13
33 42 11 00-0712	LF	84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	607.58	71.93
33 42 11 00-0713	LF	90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	643.31	76.72
33 42 11 00-0714	LF	96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	679.71	81.52
33 42 11 00-0715	LF	102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	719.02	86.31
33 42 11 00-0716	LF	108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	760.42	95.90
33 42 11 00-0717	LF	114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	800.96	105.49
<b>33 42 11 00-0718</b>		<b>12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0692)</b>		
33 42 11 00-0719	LF	60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	467.93	34.52
33 42 11 00-0720	LF	66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	573.09	42.20
33 42 11 00-0721	LF	72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	647.76	61.38
33 42 11 00-0722	LF	78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	695.28	67.13
33 42 11 00-0723	LF	84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	740.38	71.93
33 42 11 00-0724	LF	90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	785.31	76.72
33 42 11 00-0725	LF	96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	830.97	81.52
33 42 11 00-0726	LF	102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	879.39	86.31
33 42 11 00-0727	LF	108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	929.86	95.90
33 42 11 00-0728	LF	114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	979.71	105.49
33 42 11 00-0729	LF	120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,028.76	115.08
<b>33 42 11 00-0730</b>		<b>10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0692)</b>		
33 42 11 00-0731	LF	72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	752.09	61.38
33 42 11 00-0732	LF	78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	808.11	67.13
33 42 11 00-0733	LF	84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	861.78	71.93
33 42 11 00-0734	LF	90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	915.24	76.72
33 42 11 00-0735	LF	96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	969.49	81.52
33 42 11 00-0736	LF	102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,026.47	86.31
33 42 11 00-0737	LF	108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,085.51	95.90
33 42 11 00-0738	LF	114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,143.87	105.49
33 42 11 00-0739	LF	120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,201.49	115.08
33 42 11 00-0740	LF	126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,260.67	124.67
33 42 11 00-0741	LF	132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,322.51	134.25
33 42 11 00-0742	LF	138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,387.27	143.84
<b>33 42 11 00-0743</b>		<b>125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0449)</b>		
<b>33 42 11 00-0744</b>		<b>16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0743)</b>		
33 42 11 00-0745	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	243.71	28.77
33 42 11 00-0746	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	295.60	32.61
33 42 11 00-0747	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	321.36	34.52
33 42 11 00-0748	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	402.86	42.20
33 42 11 00-0749	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	462.81	61.38
33 42 11 00-0750	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	495.46	67.13
33 42 11 00-0751	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	525.37	71.93
33 42 11 00-0752	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	555.20	76.72





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0753 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	586.04	81.52
33 42 11 00-0754 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	620.10	86.31
<b>33 42 11 00-0755 14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0743)</b>		
33 42 11 00-0756 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	340.33	32.61
33 42 11 00-0757 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	371.18	34.52
33 42 11 00-0758 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	457.19	42.20
33 42 11 00-0759 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	521.53	61.38
33 42 11 00-0760 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	559.48	67.13
33 42 11 00-0761 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	594.37	71.93
33 42 11 00-0762 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	626.70	76.72
33 42 11 00-0763 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	664.79	81.52
33 42 11 00-0764 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	703.02	86.31
33 42 11 00-0765 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	743.15	95.90
33 42 11 00-0766 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	783.57	105.49
<b>33 42 11 00-0767 12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0743)</b>		
33 42 11 00-0768 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	471.04	34.52
33 42 11 00-0769 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	567.67	42.20
33 42 11 00-0770 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	642.44	61.38
33 42 11 00-0771 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	689.57	67.13
33 42 11 00-0772 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	733.82	71.93
33 42 11 00-0773 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	778.63	76.72
33 42 11 00-0774 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	823.85	81.52
33 42 11 00-0775 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	871.58	86.31
33 42 11 00-0776 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	921.90	95.90
33 42 11 00-0777 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	971.59	105.49
33 42 11 00-0778 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,020.04	115.08
<b>33 42 11 00-0779 10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0743)</b>		
33 42 11 00-0780 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	752.04	61.38
33 42 11 00-0781 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	809.37	67.13
33 42 11 00-0782 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	863.22	71.93
33 42 11 00-0783 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	916.64	76.72
33 42 11 00-0784 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	971.15	81.52
33 42 11 00-0785 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,028.04	86.31
33 42 11 00-0786 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,087.34	95.90
33 42 11 00-0787 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,146.22	105.49
33 42 11 00-0788 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,203.71	115.08
33 42 11 00-0789 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,277.08	124.67
33 42 11 00-0790 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,342.67	134.25
33 42 11 00-0791 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,412.95	143.84
<b>33 42 11 00-0792 Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0446)</b>		
<b>33 42 11 00-0793 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0792)</b>		
<b>33 42 11 00-0794 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0793)</b>		
33 42 11 00-0795 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	38.04	9.84
For Bituminous Coated Pipe, Add	4.44	
For Bituminous Coated And 25% Paved, Add	10.74	
For Smooth-Flo, Add	17.72	
33 42 11 00-0796 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	42.25	10.73
For Bituminous Coated Pipe, Add	5.31	
For Bituminous Coated And 25% Paved, Add	12.83	
For Smooth-Flo, Add	21.16	
33 42 11 00-0797 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	48.24	11.62
For Bituminous Coated Pipe, Add	6.39	
For Bituminous Coated And 25% Paved, Add	15.44	
For Smooth-Flo, Add	25.47	
33 42 11 00-0798 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	54.09	12.52
For Bituminous Coated Pipe, Add	7.36	
For Bituminous Coated And 25% Paved, Add	17.80	
For Smooth-Flo, Add	29.35	
33 42 11 00-0799 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	70.55	16.10
For Bituminous Coated Pipe, Add	9.34	
For Bituminous Coated And 25% Paved, Add	22.59	
For Smooth-Flo, Add	37.27	
33 42 11 00-0800 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	93.16	21.10
For Bituminous Coated Pipe, Add	12.05	
For Bituminous Coated And 25% Paved, Add	29.14	
For Smooth-Flo, Add	48.07	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 11 00-0801 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0793)</small>		
33 42 11 00-0802 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	41.64	9.84
For Bituminous Coated Pipe, Add	4.61	
For Bituminous Coated And 25% Paved, Add	10.78	
For Smooth-Flo, Add	17.69	
33 42 11 00-0803 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	46.66	10.73
For Bituminous Coated Pipe, Add	5.53	
For Bituminous Coated And 25% Paved, Add	12.94	
For Smooth-Flo, Add	21.22	
33 42 11 00-0804 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	53.16	11.62
For Bituminous Coated Pipe, Add	6.57	
For Bituminous Coated And 25% Paved, Add	15.38	
For Smooth-Flo, Add	25.22	
33 42 11 00-0805 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	59.78	12.52
For Bituminous Coated Pipe, Add	7.58	
For Bituminous Coated And 25% Paved, Add	17.73	
For Smooth-Flo, Add	29.08	
33 42 11 00-0806 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	77.66	16.10
For Bituminous Coated Pipe, Add	9.60	
For Bituminous Coated And 25% Paved, Add	22.45	
For Smooth-Flo, Add	36.83	
33 42 11 00-0807 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	101.61	21.10
For Bituminous Coated Pipe, Add	12.22	
For Bituminous Coated And 25% Paved, Add	28.60	
For Smooth-Flo, Add	46.91	
33 42 11 00-0808 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	116.56	24.93
For Bituminous Coated Pipe, Add	14.56	
For Bituminous Coated And 25% Paved, Add	34.07	
For Smooth-Flo, Add	55.88	
<b>33 42 11 00-0809 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0793)</small>		
33 42 11 00-0810 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	60.77	11.51
For Bituminous Coated Pipe, Add	5.98	
For Bituminous Coated And 25% Paved, Add	13.31	
For Smooth-Flo, Add	20.47	
33 42 11 00-0811 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	69.27	12.47
For Bituminous Coated Pipe, Add	7.09	
For Bituminous Coated And 25% Paved, Add	15.79	
For Smooth-Flo, Add	24.27	
33 42 11 00-0812 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	77.72	13.42
For Bituminous Coated Pipe, Add	8.14	
For Bituminous Coated And 25% Paved, Add	18.11	
For Smooth-Flo, Add	27.84	
33 42 11 00-0813 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	100.52	17.27
For Bituminous Coated Pipe, Add	10.24	
For Bituminous Coated And 25% Paved, Add	22.80	
For Smooth-Flo, Add	35.05	
33 42 11 00-0814 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	118.84	21.10
For Bituminous Coated Pipe, Add	12.82	
For Bituminous Coated And 25% Paved, Add	28.52	
For Smooth-Flo, Add	43.86	
33 42 11 00-0815 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	136.45	24.93
For Bituminous Coated Pipe, Add	15.16	
For Bituminous Coated And 25% Paved, Add	33.73	
For Smooth-Flo, Add	51.87	
33 42 11 00-0816 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	159.00	28.77
For Bituminous Coated Pipe, Add	17.98	
For Bituminous Coated And 25% Paved, Add	40.01	
For Smooth-Flo, Add	61.52	
33 42 11 00-0817 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	177.94	32.61
For Bituminous Coated Pipe, Add	19.85	
For Bituminous Coated And 25% Paved, Add	44.18	
For Smooth-Flo, Add	67.94	
<b>33 42 11 00-0818 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0793)</small>		
33 42 11 00-0819 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	135.07	21.10
For Bituminous Coated Pipe, Add	15.44	
For Bituminous Coated And 25% Paved, Add	32.52	
For Smooth-Flo, Add	41.01	
33 42 11 00-0820 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	155.37	24.93
For Bituminous Coated Pipe, Add	18.22	
For Bituminous Coated And 25% Paved, Add	38.35	
For Smooth-Flo, Add	48.37	
33 42 11 00-0821 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	180.44	28.77
For Bituminous Coated Pipe, Add	21.44	
For Bituminous Coated And 25% Paved, Add	45.13	
For Smooth-Flo, Add	56.91	



<b>Utilities</b>	<b>33</b>	<b>CSU</b>
<b>Stormwater Utilities</b>	<b>33 40</b>	
<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0822 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	202.17 23.77 50.04 63.10	32.61
33 42 11 00-0823 LF 71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	221.44 26.09 54.93 69.28	34.52
<b>33 42 11 00-0824 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0792)</small>		
<b>33 42 11 00-0825 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0824)</small>		
33 42 11 00-0826 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	177.70 22.90 69.63 77.87	32.61
33 42 11 00-0827 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	194.18 25.07 76.20 85.22	34.52
33 42 11 00-0828 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	240.03 31.48 95.71 107.04	42.20
33 42 11 00-0829 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	290.80 33.75 102.60 114.75	61.38
33 42 11 00-0830 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	314.92 36.13 109.85 122.86	67.13
33 42 11 00-0831 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	336.49 38.53 117.13 131.00	71.93
33 42 11 00-0832 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	358.01 40.91 124.38 139.11	76.72
33 42 11 00-0833 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	380.18 43.29 131.60 147.19	81.52
<b>33 42 11 00-0834 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0824)</small>		
33 42 11 00-0835 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	231.48 32.53 85.22 100.83	34.52
33 42 11 00-0836 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	281.40 39.76 104.16 123.24	42.20
33 42 11 00-0837 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	335.84 42.76 112.03 132.55	61.38
33 42 11 00-0838 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	363.60 45.87 120.18 142.20	67.13
33 42 11 00-0839 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	388.81 48.99 128.36 151.88	71.93
33 42 11 00-0840 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	413.99 52.11 136.53 161.54	76.72
33 42 11 00-0841 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	439.80 55.21 144.66 171.16	81.52
33 42 11 00-0842 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	468.42 58.35 152.88 180.89	86.31
33 42 11 00-0843 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	499.14 61.47 161.05 190.55	95.90

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0844	LF		137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	531.03 64.90 170.03 201.18	105.49
<b>33 42 11 00-0845</b>			<b>10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <sup>(33 42 11 00-0845)</sup></b>		
33 42 11 00-0846	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	377.69 51.13 121.68 132.17	61.38
33 42 11 00-0847	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	408.91 54.93 130.74 142.00	67.13
33 42 11 00-0848	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	437.55 58.74 139.81 151.85	71.93
33 42 11 00-0849	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	466.10 62.53 148.83 161.65	76.72
33 42 11 00-0850	LF		112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	495.38 66.33 157.87 171.46	81.52
33 42 11 00-0851	LF		117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	527.39 70.15 166.95 181.33	86.31
33 42 11 00-0852	LF		128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	561.55 73.95 176.00 191.16	95.90
33 42 11 00-0853	LF		137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	596.60 78.01 185.66 201.66	105.49
33 42 11 00-0854	LF		142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	634.53 82.89 197.27 214.26	115.08
<b>33 42 11 00-0855</b>			<b>125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <sup>(33 42 11 00-0855)</sup></b>		
<b>33 42 11 00-0856</b>			<b>12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <sup>(33 42 11 00-0856)</sup></b>		
33 42 11 00-0857	LF		81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	339.95 43.58 106.34 135.32	61.38
33 42 11 00-0858	LF		87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	367.30 46.61 113.73 144.72	67.13
33 42 11 00-0859	LF		95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	391.87 49.61 121.04 154.03	71.93
33 42 11 00-0860	LF		103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	416.45 52.60 128.35 163.33	76.72
33 42 11 00-0861	LF		112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	441.82 55.62 135.71 172.69	81.52
33 42 11 00-0862	LF		117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	470.10 58.69 143.20 182.23	86.31
33 42 11 00-0863	LF		128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	500.49 61.74 150.64 191.70	95.90
33 42 11 00-0864	LF		137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	534.36 65.56 159.97 203.57	105.49



	<b>Utilities</b>	<b>33</b>	
	<b>Stormwater Utilities</b>	<b>33 40</b>	<b>CS</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 11 00-0865 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0865)</small>		
33 42 11 00-0866 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	386.27	61.38
For Bituminous Coated Pipe, Add	52.84	
For Bituminous Coated And 25% Paved, Add	119.43	
For Smooth-Flo, Add	129.73	
33 42 11 00-0867 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	417.32	67.13
For Bituminous Coated Pipe, Add	56.61	
For Bituminous Coated And 25% Paved, Add	127.95	
For Smooth-Flo, Add	138.99	
33 42 11 00-0868 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	445.66	71.93
For Bituminous Coated Pipe, Add	60.36	
For Bituminous Coated And 25% Paved, Add	136.42	
For Smooth-Flo, Add	148.19	
33 42 11 00-0869 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	474.11	76.72
For Bituminous Coated Pipe, Add	64.13	
For Bituminous Coated And 25% Paved, Add	144.94	
For Smooth-Flo, Add	157.45	
33 42 11 00-0870 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	502.62	81.52
For Bituminous Coated Pipe, Add	67.78	
For Bituminous Coated And 25% Paved, Add	153.18	
For Smooth-Flo, Add	166.39	
33 42 11 00-0871 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	535.17	86.31
For Bituminous Coated Pipe, Add	71.70	
For Bituminous Coated And 25% Paved, Add	162.05	
For Smooth-Flo, Add	176.03	
33 42 11 00-0872 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	569.40	95.90
For Bituminous Coated Pipe, Add	75.52	
For Bituminous Coated And 25% Paved, Add	170.68	
For Smooth-Flo, Add	185.40	
33 42 11 00-0873 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	607.07	105.49
For Bituminous Coated Pipe, Add	80.10	
For Bituminous Coated And 25% Paved, Add	181.04	
For Smooth-Flo, Add	196.66	
33 42 11 00-0874 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	642.27	115.08
For Bituminous Coated Pipe, Add	84.43	
For Bituminous Coated And 25% Paved, Add	190.82	
For Smooth-Flo, Add	207.29	
<b>33 42 11 00-0875 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0792)</small>		
<b>33 42 11 00-0876 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0875)</small>		
33 42 11 00-0877 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	61.25	9.84
33 42 11 00-0878 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	69.99	10.73
33 42 11 00-0879 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	81.71	11.62
33 42 11 00-0880 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	92.71	12.52
33 42 11 00-0881 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	119.76	16.10
33 42 11 00-0882 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	157.07	21.10
<b>33 42 11 00-0883 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0875)</small>		
33 42 11 00-0884 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	69.54	9.84
33 42 11 00-0885 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	80.11	10.73
33 42 11 00-0886 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	93.01	11.62
33 42 11 00-0887 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	105.85	12.52
33 42 11 00-0888 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	136.09	16.10
33 42 11 00-0889 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	176.50	21.10
33 42 11 00-0890 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	205.96	24.93
<b>33 42 11 00-0891 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0875)</small>		
33 42 11 00-0892 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	104.92	10.73
33 42 11 00-0893 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	122.40	11.62
33 42 11 00-0894 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	139.13	12.52
33 42 11 00-0895 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	177.63	16.10
33 42 11 00-0896 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	226.67	21.10
33 42 11 00-0897 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	264.39	24.93
33 42 11 00-0898 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	311.75	28.77
33 42 11 00-0899 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	346.17	32.61
<b>33 42 11 00-0900 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0875)</small>		
33 42 11 00-0901 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	266.02	21.10
33 42 11 00-0902 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	310.31	24.93
33 42 11 00-0903 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	363.80	28.77
33 42 11 00-0904 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	405.02	32.61
33 42 11 00-0905 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	443.68	34.52

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0906			3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0792)</small>		
33 42 11 00-0907			14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0906)</small>		
33 42 11 00-0908	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	349.59	32.61
33 42 11 00-0909	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	381.92	34.52
33 42 11 00-0910	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	477.83	42.20
33 42 11 00-0911	LF		81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	545.39	61.38
33 42 11 00-0912	LF		87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	587.17	67.13
33 42 11 00-0913	LF		95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	626.47	71.93
33 42 11 00-0914	LF		103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	665.61	76.72
33 42 11 00-0915	LF		112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	705.51	81.52
33 42 11 00-0916			12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0906)</small>		
33 42 11 00-0917	LF		66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	476.81	34.52
33 42 11 00-0918	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	583.45	42.20
33 42 11 00-0919	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	660.35	61.38
33 42 11 00-0920	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	711.29	67.13
33 42 11 00-0921	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	759.80	71.93
33 42 11 00-0922	LF		103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	808.26	76.72
33 42 11 00-0923	LF		112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	857.28	81.52
33 42 11 00-0924	LF		117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	909.26	86.31
33 42 11 00-0925	LF		128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	963.26	95.90
33 42 11 00-0926	LF		137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,020.74	105.49
33 42 11 00-0927			10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0906)</small>		
33 42 11 00-0928	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	764.64	61.38
33 42 11 00-0929	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	824.21	67.13
33 42 11 00-0930	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	881.34	71.93
33 42 11 00-0931	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	938.17	76.72
33 42 11 00-0932	LF		112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	995.78	81.52
33 42 11 00-0933	LF		117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,056.29	86.31
33 42 11 00-0934	LF		128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,118.88	95.90
33 42 11 00-0935	LF		137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,184.19	105.49
33 42 11 00-0936	LF		142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,258.47	115.08
33 42 11 00-0937			125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0792)</small>		
33 42 11 00-0938			12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0937)</small>		
33 42 11 00-0939	LF		81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	650.97	61.38
33 42 11 00-0940	LF		87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	699.57	67.13
33 42 11 00-0941	LF		95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	745.15	71.93
33 42 11 00-0942	LF		103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	790.69	76.72
33 42 11 00-0943	LF		112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	837.18	81.52
33 42 11 00-0944	LF		117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	886.98	86.31
33 42 11 00-0945	LF		128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	938.72	95.90
33 42 11 00-0946	LF		137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	999.37	105.49
33 42 11 00-0947			10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0937)</small>		
33 42 11 00-0948	LF		81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	762.20	61.38
33 42 11 00-0949	LF		87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	819.64	67.13
33 42 11 00-0950	LF		95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	874.25	71.93
33 42 11 00-0951	LF		103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	929.11	76.72
33 42 11 00-0952	LF		112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	983.20	81.52
33 42 11 00-0953	LF		117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,043.19	86.31
33 42 11 00-0954	LF		128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,104.19	95.90
33 42 11 00-0955	LF		137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,174.09	105.49
33 42 11 00-0956	LF		142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,239.45	115.08
33 42 11 00-0957			Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0448)</small>		
33 42 11 00-0958			2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0957)</small>		
33 42 11 00-0959			16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0958)</small>		
33 42 11 00-0960	LF		12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	35.87	9.38
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	6.61	
33 42 11 00-0961	LF		15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	40.80	9.84
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	8.32	
33 42 11 00-0962	LF		18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	45.92	10.73
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	10.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0963 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	52.45 12.06	11.62
33 42 11 00-0964 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	58.16 13.59	12.52
33 42 11 00-0965 LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	76.65 17.63	16.10
33 42 11 00-0966 LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	99.79 22.24	21.10
33 42 11 00-0967 LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	113.93 26.30	24.93
33 42 11 00-0968 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	128.03 29.47	28.77
<b>33 42 11 00-0969 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0958)</small>		
33 42 11 00-0970 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	39.44 6.28	9.38
33 42 11 00-0971 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	45.21 7.88	9.84
33 42 11 00-0972 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	51.17 9.52	10.73
33 42 11 00-0973 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	58.54 11.32	11.62
33 42 11 00-0974 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	65.23 12.82	12.52
33 42 11 00-0975 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	85.30 16.47	16.10
33 42 11 00-0976 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	110.26 20.64	21.10
33 42 11 00-0977 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	125.99 24.31	24.93
33 42 11 00-0978 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	141.76 27.30	28.77
33 42 11 00-0979 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	169.76 33.57	32.61
<b>33 42 11 00-0980 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0958)</small>		
33 42 11 00-0981 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	62.21 8.87	10.73
33 42 11 00-0982 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	71.43 10.50	11.62
33 42 11 00-0983 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	79.87 11.90	12.52
33 42 11 00-0984 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	103.58 15.17	16.10
33 42 11 00-0985 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	132.31 18.83	21.10
33 42 11 00-0986 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	151.54 22.08	24.93
33 42 11 00-0987 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	170.91 24.90	28.77
33 42 11 00-0988 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	203.05 30.07	32.61
33 42 11 00-0989 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	221.78 32.88	34.52
33 42 11 00-0990 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	270.70 40.44	42.20
<b>33 42 11 00-0991 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0958)</small>		
33 42 11 00-0992 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	152.13 20.62	21.10
33 42 11 00-0993 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	174.73 24.17	24.93
33 42 11 00-0994 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	197.24 27.29	28.77
33 42 11 00-0995 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	232.57 32.52	32.61
33 42 11 00-0996 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	254.64 35.67	34.52
33 42 11 00-0997 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	306.78 43.04	42.20
33 42 11 00-0998 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	362.37 46.14	61.38
<b>33 42 11 00-0999 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0957)</small>		

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1000			<b>16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0999)</small>		
33 42 11 00-1001	LF		36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 115.37 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 24.72	115.37	21.10
33 42 11 00-1002	LF		42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 131.78 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 29.03	131.78	24.93
33 42 11 00-1003	LF		48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 148.09 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 32.55	148.09	28.77
33 42 11 00-1004	LF		54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 176.79 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 39.76	176.79	32.61
33 42 11 00-1005	LF		60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 192.63 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 43.32	192.63	34.52
33 42 11 00-1006	LF		66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 241.61 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 55.65	241.61	42.20
33 42 11 00-1007	LF		72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 291.51 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 59.31	291.51	61.38
33 42 11 00-1008	LF		78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 314.21 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 62.99	314.21	67.13
33 42 11 00-1009	LF		84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 334.34 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 66.68	334.34	71.93
33 42 11 00-1010	LF		90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 354.48 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 70.36	354.48	76.72
33 42 11 00-1011	LF		96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 375.27 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 74.04	375.27	81.52
33 42 11 00-1012	LF		102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 398.80 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 77.75	398.80	86.31
33 42 11 00-1013			<b>14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0999)</small>		
33 42 11 00-1014	LF		54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 194.70 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 34.46	194.70	32.61
33 42 11 00-1015	LF		60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 212.42 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 37.62	212.42	34.52
33 42 11 00-1016	LF		66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 263.39 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 47.36	263.39	42.20
33 42 11 00-1017	LF		72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 315.24 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 50.62	315.24	61.38
33 42 11 00-1018	LF		78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 339.86 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 53.87	339.86	67.13
33 42 11 00-1019	LF		84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 362.01 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 57.16	362.01	71.93
33 42 11 00-1020	LF		90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 384.03 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 60.41	384.03	76.72
33 42 11 00-1021	LF		96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 406.74 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 63.67	406.74	81.52
33 42 11 00-1022	LF		102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 432.20 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 66.95	432.20	86.31
33 42 11 00-1023	LF		108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 459.82 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 70.22	459.82	95.90
33 42 11 00-1024	LF		114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 486.86 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 73.44	486.86	105.49
33 42 11 00-1025			<b>12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0999)</small>		
33 42 11 00-1026	LF		60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 256.42 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 50.46	256.42	34.52
33 42 11 00-1027	LF		66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 312.10 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 61.73	312.10	42.20
33 42 11 00-1028	LF		72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 368.19 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 66.21	368.19	61.38
33 42 11 00-1029	LF		78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 397.12 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 70.71	397.12	67.13
33 42 11 00-1030	LF		84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 423.51 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 75.23	423.51	71.93
33 42 11 00-1031	LF		90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 449.84 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 79.73	449.84	76.72
33 42 11 00-1032	LF		96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 476.83 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 84.22	476.83	81.52
33 42 11 00-1033	LF		102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 506.56 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 88.74	506.56	86.31
33 42 11 00-1034	LF		108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 538.43 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 93.24	538.43	95.90
33 42 11 00-1035	LF		114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 569.77 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 97.71	569.77	105.49
33 42 11 00-1036	LF		120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 600.12 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 102.23	600.12	115.08
33 42 11 00-1037			<b>10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0999)</small>		
33 42 11 00-1038	LF		72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... 417.58 <i>For 1/2 Bituminous Coated And 25% Paved, Add</i> 81.27	417.58	61.38





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1039 LF 78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	450.48	67.13
For 1/2 Bituminous Coated And 25% Paved, Add	86.96	
33 42 11 00-1040 LF 84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	480.94	71.93
For 1/2 Bituminous Coated And 25% Paved, Add	92.70	
33 42 11 00-1041 LF 90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	511.28	76.72
For 1/2 Bituminous Coated And 25% Paved, Add	98.41	
33 42 11 00-1042 LF 96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	542.37	81.52
For 1/2 Bituminous Coated And 25% Paved, Add	104.13	
33 42 11 00-1043 LF 102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	576.17	86.31
For 1/2 Bituminous Coated And 25% Paved, Add	109.87	
33 42 11 00-1044 LF 108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	612.05	95.90
For 1/2 Bituminous Coated And 25% Paved, Add	115.57	
33 42 11 00-1045 LF 114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	647.43	105.49
For 1/2 Bituminous Coated And 25% Paved, Add	121.24	
33 42 11 00-1046 LF 120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	681.86	115.08
For 1/2 Bituminous Coated And 25% Paved, Add	126.98	
33 42 11 00-1047 LF 126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	718.00	124.67
For 1/2 Bituminous Coated And 25% Paved, Add	132.68	
33 42 11 00-1048 LF 132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	756.62	134.25
For 1/2 Bituminous Coated And 25% Paved, Add	138.41	
33 42 11 00-1049 LF 138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	798.16	143.84
For 1/2 Bituminous Coated And 25% Paved, Add	144.15	
<b>33 42 11 00-1050 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b>		
<small>(33 42 11 00-0957)</small>		
<b>33 42 11 00-1051 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b>		
<small>(33 42 11 00-1050)</small>		
33 42 11 00-1052 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	148.66	28.77
For 1/2 Bituminous Coated And 25% Paved, Add	40.33	
33 42 11 00-1053 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	177.84	32.61
For 1/2 Bituminous Coated And 25% Paved, Add	49.42	
33 42 11 00-1054 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	193.54	34.52
For 1/2 Bituminous Coated And 25% Paved, Add	53.74	
33 42 11 00-1055 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	239.59	42.20
For 1/2 Bituminous Coated And 25% Paved, Add	67.65	
33 42 11 00-1056 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	289.25	61.38
For 1/2 Bituminous Coated And 25% Paved, Add	72.06	
33 42 11 00-1057 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	311.69	67.13
For 1/2 Bituminous Coated And 25% Paved, Add	76.48	
33 42 11 00-1058 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	331.44	71.93
For 1/2 Bituminous Coated And 25% Paved, Add	80.86	
33 42 11 00-1059 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	351.14	76.72
For 1/2 Bituminous Coated And 25% Paved, Add	85.21	
33 42 11 00-1060 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	371.73	81.52
For 1/2 Bituminous Coated And 25% Paved, Add	89.65	
33 42 11 00-1061 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	395.20	86.31
For 1/2 Bituminous Coated And 25% Paved, Add	94.19	
<b>33 42 11 00-1062 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b>		
<small>(33 42 11 00-1050)</small>		
33 42 11 00-1063 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	200.22	32.61
For 1/2 Bituminous Coated And 25% Paved, Add	46.59	
33 42 11 00-1064 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	218.48	34.52
For 1/2 Bituminous Coated And 25% Paved, Add	50.87	
33 42 11 00-1065 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	266.76	42.20
For 1/2 Bituminous Coated And 25% Paved, Add	62.61	
33 42 11 00-1066 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	318.64	61.38
For 1/2 Bituminous Coated And 25% Paved, Add	66.84	
33 42 11 00-1067 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	343.70	67.13
For 1/2 Bituminous Coated And 25% Paved, Add	71.21	
33 42 11 00-1068 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	365.95	71.93
For 1/2 Bituminous Coated And 25% Paved, Add	75.52	
33 42 11 00-1069 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	386.93	76.72
For 1/2 Bituminous Coated And 25% Paved, Add	79.39	
33 42 11 00-1070 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	411.09	81.52
For 1/2 Bituminous Coated And 25% Paved, Add	84.10	
33 42 11 00-1071 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	436.67	86.31
For 1/2 Bituminous Coated And 25% Paved, Add	88.40	
33 42 11 00-1072 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	464.34	95.90
For 1/2 Bituminous Coated And 25% Paved, Add	92.66	
33 42 11 00-1073 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	491.91	105.49
For 1/2 Bituminous Coated And 25% Paved, Add	97.02	
<b>33 42 11 00-1074 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b>		
<small>(33 42 11 00-1050)</small>		
33 42 11 00-1075 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	265.11	34.52
For 1/2 Bituminous Coated And 25% Paved, Add	56.13	
33 42 11 00-1076 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	318.16	42.20
For 1/2 Bituminous Coated And 25% Paved, Add	67.36	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1077 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	374.93	61.38
For 1/2 Bituminous Coated And 25% Paved, Add	72.32	
33 42 11 00-1078 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	404.29	67.13
For 1/2 Bituminous Coated And 25% Paved, Add	77.23	
33 42 11 00-1079 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	430.95	71.93
For 1/2 Bituminous Coated And 25% Paved, Add	82.11	
33 42 11 00-1080 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	457.85	76.72
For 1/2 Bituminous Coated And 25% Paved, Add	87.06	
33 42 11 00-1081 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	485.28	81.52
For 1/2 Bituminous Coated And 25% Paved, Add	91.96	
33 42 11 00-1082 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	515.34	86.31
For 1/2 Bituminous Coated And 25% Paved, Add	96.86	
33 42 11 00-1083 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	547.75	95.90
For 1/2 Bituminous Coated And 25% Paved, Add	101.80	
33 42 11 00-1084 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	579.67	105.49
For 1/2 Bituminous Coated And 25% Paved, Add	106.71	
33 42 11 00-1085 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	610.39	115.08
For 1/2 Bituminous Coated And 25% Paved, Add	111.62	
<b>33 42 11 00-1086 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1050)</b>		
33 42 11 00-1087 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	428.82	61.38
For 1/2 Bituminous Coated And 25% Paved, Add	87.74	
33 42 11 00-1088 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	463.20	67.13
For 1/2 Bituminous Coated And 25% Paved, Add	94.08	
33 42 11 00-1089 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	494.54	71.93
For 1/2 Bituminous Coated And 25% Paved, Add	100.30	
33 42 11 00-1090 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	525.69	76.72
For 1/2 Bituminous Coated And 25% Paved, Add	106.46	
33 42 11 00-1091 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	557.69	81.52
For 1/2 Bituminous Coated And 25% Paved, Add	112.67	
33 42 11 00-1092 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	592.23	86.31
For 1/2 Bituminous Coated And 25% Paved, Add	118.85	
33 42 11 00-1093 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	629.08	95.90
For 1/2 Bituminous Coated And 25% Paved, Add	125.06	
33 42 11 00-1094 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	665.51	105.49
For 1/2 Bituminous Coated And 25% Paved, Add	131.26	
33 42 11 00-1095 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	700.64	115.08
For 1/2 Bituminous Coated And 25% Paved, Add	137.43	
33 42 11 00-1096 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	744.59	124.67
For 1/2 Bituminous Coated And 25% Paved, Add	145.59	
33 42 11 00-1097 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	785.84	134.25
For 1/2 Bituminous Coated And 25% Paved, Add	152.30	
33 42 11 00-1098 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	830.88	143.84
For 1/2 Bituminous Coated And 25% Paved, Add	159.27	
<b>33 42 11 00-1099 Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0957)</b>		
<b>33 42 11 00-1100 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1099)</b>		
33 42 11 00-1101 LF 18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	51.94	10.73
33 42 11 00-1102 LF 21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	59.42	11.62
33 42 11 00-1103 LF 24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	66.41	12.52
33 42 11 00-1104 LF 30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	86.71	16.10
33 42 11 00-1105 LF 36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	111.60	21.10
33 42 11 00-1106 LF 42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	127.57	24.93
33 42 11 00-1107 LF 48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	143.88	28.77
33 42 11 00-1108 LF 54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	170.70	32.61
33 42 11 00-1109 LF 60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	186.50	34.52
<b>33 42 11 00-1110 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1099)</b>		
33 42 11 00-1111 LF 18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	57.13	10.73
33 42 11 00-1112 LF 21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	65.48	11.62
33 42 11 00-1113 LF 24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	73.27	12.52
33 42 11 00-1114 LF 30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	95.30	16.10
33 42 11 00-1115 LF 36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	121.94	21.10
33 42 11 00-1116 LF 42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	139.65	24.93
33 42 11 00-1117 LF 48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	157.68	28.77
33 42 11 00-1118 LF 54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	186.22	32.61
33 42 11 00-1119 LF 60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	203.81	34.52
33 42 11 00-1120 LF 66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	247.80	42.20
33 42 11 00-1121 LF 72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	298.98	61.38
33 42 11 00-1122 LF 78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	323.10	67.13
<b>33 42 11 00-1123 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1099)</b>		
33 42 11 00-1124 LF 30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	112.70	16.10
33 42 11 00-1125 LF 36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	142.78	21.10
33 42 11 00-1126 LF 42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	164.06	24.93



	<b>Utilities</b>	<b>33</b>	
	<b>Stormwater Utilities</b>	<b>33 40</b>	<b>CS</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1127 LF 48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	185.52	28.77
33 42 11 00-1128 LF 54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	217.52	32.61
33 42 11 00-1129 LF 60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	238.65	34.52
33 42 11 00-1130 LF 66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	286.05	42.20
33 42 11 00-1131 LF 72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	340.66	61.38
33 42 11 00-1132 LF 78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	368.24	67.13
33 42 11 00-1133 LF 84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	393.11	71.93
33 42 11 00-1134 LF 90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	418.03	76.72
33 42 11 00-1135 LF 96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	443.54	81.52
33 42 11 00-1136 LF 102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	470.07	86.31
<b>33 42 11 00-1137 Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-0448)</b>		
<b>33 42 11 00-1138 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1137)</b>		
<b>33 42 11 00-1139 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1138)</b>		
33 42 11 00-1140 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	42.01	9.84
For 1/2 Bituminous Coated And 40% Paved, Add	10.75	
33 42 11 00-1141 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	47.00	10.73
For 1/2 Bituminous Coated And 40% Paved, Add	12.85	
33 42 11 00-1142 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	53.93	11.62
For 1/2 Bituminous Coated And 40% Paved, Add	15.45	
33 42 11 00-1143 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	60.65	12.52
For 1/2 Bituminous Coated And 40% Paved, Add	17.81	
33 42 11 00-1144 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	78.90	16.10
For 1/2 Bituminous Coated And 40% Paved, Add	22.62	
33 42 11 00-1145 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	103.93	21.10
For 1/2 Bituminous Coated And 40% Paved, Add	29.18	
<b>33 42 11 00-1146 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1138)</b>		
33 42 11 00-1147 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	46.42	9.84
For 1/2 Bituminous Coated And 40% Paved, Add	11.14	
33 42 11 00-1148 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	52.35	10.73
For 1/2 Bituminous Coated And 40% Paved, Add	13.35	
33 42 11 00-1149 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	59.96	11.62
For 1/2 Bituminous Coated And 40% Paved, Add	15.88	
33 42 11 00-1150 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	67.62	12.52
For 1/2 Bituminous Coated And 40% Paved, Add	18.31	
33 42 11 00-1151 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	87.59	16.10
For 1/2 Bituminous Coated And 40% Paved, Add	23.19	
33 42 11 00-1152 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	114.26	21.10
For 1/2 Bituminous Coated And 40% Paved, Add	29.54	
33 42 11 00-1153 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	131.64	24.93
For 1/2 Bituminous Coated And 40% Paved, Add	35.19	
<b>33 42 11 00-1154 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1138)</b>		
33 42 11 00-1155 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	63.25	10.73
For 1/2 Bituminous Coated And 40% Paved, Add	12.23	
33 42 11 00-1156 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	72.88	11.62
For 1/2 Bituminous Coated And 40% Paved, Add	14.53	
33 42 11 00-1157 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	82.26	12.52
For 1/2 Bituminous Coated And 40% Paved, Add	16.68	
33 42 11 00-1158 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	105.87	16.10
For 1/2 Bituminous Coated And 40% Paved, Add	21.05	
33 42 11 00-1159 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	136.35	21.10
For 1/2 Bituminous Coated And 40% Paved, Add	26.47	
33 42 11 00-1160 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	157.39	24.93
For 1/2 Bituminous Coated And 40% Paved, Add	31.37	
33 42 11 00-1161 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	184.35	28.77
For 1/2 Bituminous Coated And 40% Paved, Add	37.36	
33 42 11 00-1162 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	205.68	32.61
For 1/2 Bituminous Coated And 40% Paved, Add	41.18	
<b>33 42 11 00-1163 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1138)</b>		
33 42 11 00-1164 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	156.17	21.10
For 1/2 Bituminous Coated And 40% Paved, Add	27.86	
33 42 11 00-1165 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	180.52	24.93
For 1/2 Bituminous Coated And 40% Paved, Add	32.92	
33 42 11 00-1166 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	210.57	28.77
For 1/2 Bituminous Coated And 40% Paved, Add	38.87	
33 42 11 00-1167 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	235.33	32.61
For 1/2 Bituminous Coated And 40% Paved, Add	43.04	
33 42 11 00-1168 LF 71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	257.63	34.52
For 1/2 Bituminous Coated And 40% Paved, Add	47.20	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1169			3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1137)</small>		
33 42 11 00-1170			14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1169)</small>		
33 42 11 00-1171	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	198.24	32.61
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	61.86	
33 42 11 00-1172	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	216.63	34.52
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	67.68	
33 42 11 00-1173	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	268.24	42.20
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	85.01	
33 42 11 00-1174	LF		81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	321.03	61.38
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	91.13	
33 42 11 00-1175	LF		87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	347.30	67.13
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	97.58	
33 42 11 00-1176	LF		95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	371.00	71.93
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	104.04	
33 42 11 00-1177	LF		103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	394.64	76.72
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	110.47	
33 42 11 00-1178	LF		112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	419.00	81.52
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	116.91	
33 42 11 00-1179			12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1169)</small>		
33 42 11 00-1180	LF		66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	260.66	34.52
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	76.92	
33 42 11 00-1181	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	317.05	42.20
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	94.01	
33 42 11 00-1182	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	374.19	61.38
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	101.11	
33 42 11 00-1183	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	404.70	67.13
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	108.45	
33 42 11 00-1184	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	432.74	71.93
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	115.85	
33 42 11 00-1185	LF		103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	460.72	76.72
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	123.22	
33 42 11 00-1186	LF		112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	489.32	81.52
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	130.56	
33 42 11 00-1187	LF		117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	520.73	86.31
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	137.97	
33 42 11 00-1188	LF		128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	554.25	95.90
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	145.34	
33 42 11 00-1189	LF		137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	589.23	105.49
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	153.45	
33 42 11 00-1190			10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1169)</small>		
33 42 11 00-1191	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	423.54	61.38
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	109.44	
33 42 11 00-1192	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	458.16	67.13
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	117.58	
33 42 11 00-1193	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	490.23	71.93
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	125.74	
33 42 11 00-1194	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	522.18	76.72
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	133.85	
33 42 11 00-1195	LF		112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	557.59	81.52
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	142.97	
33 42 11 00-1196	LF		117" x 79" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	590.31	86.31
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	150.15	
33 42 11 00-1197	LF		128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	627.90	95.90
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	158.30	
33 42 11 00-1198	LF		137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	666.55	105.49
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	166.98	
33 42 11 00-1199	LF		142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	708.85	115.08
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	177.42	
33 42 11 00-1200			125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1137)</small>		
33 42 11 00-1201			12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1200)</small>		
33 42 11 00-1202	LF		81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	379.17	61.38
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	99.51	
33 42 11 00-1203	LF		87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	409.24	67.13
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	106.42	
33 42 11 00-1204	LF		95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	436.54	71.93
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	113.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1205 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	463.81 120.11	76.72
33 42 11 00-1206 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	491.88 126.99	81.52
33 42 11 00-1207 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	522.92 134.00	86.31
33 42 11 00-1208 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	556.07 140.97	95.90
33 42 11 00-1209 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	593.37 149.70	105.49
<b>33 42 11 00-1210 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1200)</small>		
33 42 11 00-1211 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	433.84 110.37	61.38
33 42 11 00-1212 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	468.29 118.25	67.13
33 42 11 00-1213 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	499.99 126.08	71.93
33 42 11 00-1214 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	531.85 133.96	76.72
33 42 11 00-1215 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	563.65 141.57	81.52
33 42 11 00-1216 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	599.70 149.76	86.31
33 42 11 00-1217 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	637.40 157.74	95.90
33 42 11 00-1218 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	679.18 167.31	105.49
33 42 11 00-1219 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	718.28 176.36	115.08
<b>33 42 11 00-1220 Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-0448)</small>		
<b>33 42 11 00-1221 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1220)</small>		
<b>33 42 11 00-1222 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1221)</small>		
33 42 11 00-1223 LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	21.38 2.04	5.37
33 42 11 00-1224 LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	27.48 2.78	6.70
33 42 11 00-1225 LF 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	35.57 3.66	8.05
<b>33 42 11 00-1226 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1221)</small>		
33 42 11 00-1227 LF 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	23.73 2.03	5.37
33 42 11 00-1228 LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	30.79 2.77	6.70
33 42 11 00-1229 LF 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	39.99 3.66	8.05
<b>33 42 11 00-1230 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1230)</small>		
<b>33 42 11 00-1231 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1230)</small>		
33 42 11 00-1232 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	41.26 4.02	9.38
33 42 11 00-1233 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	47.50 5.05	9.84
33 42 11 00-1234 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	54.11 6.14	10.73
33 42 11 00-1235 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	62.19 7.33	11.62
33 42 11 00-1236 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	69.43 8.31	12.52
<b>33 42 11 00-1237 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1230)</small>		
33 42 11 00-1238 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	46.29 3.94	9.38
33 42 11 00-1239 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	53.91 4.96	9.84

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1240 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	61.80	10.73
For Bituminous Coated Pipe, Add	6.01	
33 42 11 00-1241 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	71.09	11.62
For Bituminous Coated Pipe, Add	7.13	
33 42 11 00-1242 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	79.65	12.52
For Bituminous Coated Pipe, Add	8.10	
33 42 11 00-1243 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	103.67	16.10
For Bituminous Coated Pipe, Add	10.39	
33 42 11 00-1244 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	132.60	21.10
For Bituminous Coated Pipe, Add	12.91	
<b>33 42 11 00-1245 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1230)</small>		
33 42 11 00-1246 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	99.20	12.52
For Bituminous Coated Pipe, Add	7.69	
33 42 11 00-1247 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	128.00	16.10
For Bituminous Coated Pipe, Add	9.78	
33 42 11 00-1248 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	161.82	21.10
For Bituminous Coated Pipe, Add	12.06	
33 42 11 00-1249 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	186.51	24.93
For Bituminous Coated Pipe, Add	14.18	
33 42 11 00-1250 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	210.93	28.77
For Bituminous Coated Pipe, Add	16.05	
33 42 11 00-1251 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	248.07	32.61
For Bituminous Coated Pipe, Add	19.04	
<b>33 42 11 00-1252 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1230)</small>		
33 42 11 00-1253 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	192.96	21.10
For Bituminous Coated Pipe, Add	11.86	
33 42 11 00-1254 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	222.79	24.93
For Bituminous Coated Pipe, Add	13.92	
33 42 11 00-1255 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	252.51	28.77
For Bituminous Coated Pipe, Add	15.79	
33 42 11 00-1256 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	294.84	32.61
For Bituminous Coated Pipe, Add	18.53	
33 42 11 00-1257 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	324.13	34.52
For Bituminous Coated Pipe, Add	20.42	
<b>33 42 11 00-1258 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1220)</small>		
<b>33 42 11 00-1259 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1258)</small>		
33 42 11 00-1260 LF 30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	102.08	16.10
33 42 11 00-1261 LF 36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	130.61	21.10
33 42 11 00-1262 LF 42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	149.46	24.93
33 42 11 00-1263 LF 48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	169.24	28.77
33 42 11 00-1264 LF 54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	199.77	32.61
<b>33 42 11 00-1265 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1258)</small>		
33 42 11 00-1266 LF 30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	114.90	16.10
33 42 11 00-1267 LF 36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	148.89	21.10
33 42 11 00-1268 LF 42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	170.68	24.93
33 42 11 00-1269 LF 48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	192.40	28.77
33 42 11 00-1270 LF 54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	226.90	32.61
33 42 11 00-1271 LF 60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	248.09	34.52
33 42 11 00-1272 LF 66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	301.73	42.20
33 42 11 00-1273 LF 72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	356.83	61.38
33 42 11 00-1274 LF 78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	384.76	67.13
<b>33 42 11 00-1275 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1258)</small>		
33 42 11 00-1276 LF 30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	144.81	16.10
33 42 11 00-1277 LF 36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	182.54	21.10
33 42 11 00-1278 LF 42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	210.89	24.93
33 42 11 00-1279 LF 48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	238.51	28.77
33 42 11 00-1280 LF 54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	278.67	32.61
33 42 11 00-1281 LF 60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	305.41	34.52
33 42 11 00-1282 LF 66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	364.59	42.20
33 42 11 00-1283 LF 72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	425.40	61.38
33 42 11 00-1284 LF 78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	458.92	67.13
33 42 11 00-1285 LF 84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	489.93	71.93
33 42 11 00-1286 LF 90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	520.86	76.72
33 42 11 00-1287 LF 96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	552.48	81.52



	<b>Utilities</b>	<b>33</b>	
	<b>Stormwater Utilities</b>	<b>33 40</b>	<b>CS</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 11 00-1288</b> <b>10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1258)</small>		
33 42 11 00-1289    LF    60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	365.70	34.52
33 42 11 00-1290    LF    66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	428.37	42.20
33 42 11 00-1291    LF    72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	494.90	61.38
33 42 11 00-1292    LF    78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	534.15	67.13
33 42 11 00-1293    LF    84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	570.80	71.93
33 42 11 00-1294    LF    90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	607.44	76.72
33 42 11 00-1295    LF    96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	644.74	81.52
33 42 11 00-1296    LF    102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	684.81	86.31
33 42 11 00-1297    LF    108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	727.01	95.90
<b>33 42 11 00-1298</b> <b>Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1220)</small>		
Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
<b>33 42 11 00-1299</b> <b>16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1298)</small>		
33 42 11 00-1300    LF    18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	71.37	10.73
33 42 11 00-1301    LF    21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	76.75	11.62
33 42 11 00-1302    LF    24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	92.36	12.52
33 42 11 00-1303    LF    27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	106.64	14.30
33 42 11 00-1304    LF    30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	119.63	16.10
33 42 11 00-1305    LF    33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	133.34	17.89
<b>33 42 11 00-1306</b> <b>14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1298)</small>		
33 42 11 00-1307    LF    18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	82.21	10.73
33 42 11 00-1308    LF    21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	94.93	11.62
33 42 11 00-1309    LF    24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	106.94	12.52
33 42 11 00-1310    LF    27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	123.00	14.30
33 42 11 00-1311    LF    30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	137.78	16.10
33 42 11 00-1312    LF    33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	153.34	17.89
33 42 11 00-1313    LF    36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	173.78	21.10
33 42 11 00-1314    LF    42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	200.45	24.93
33 42 11 00-1315    LF    48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	226.80	28.77
<b>33 42 11 00-1316</b> <b>12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1298)</small>		
33 42 11 00-1317    LF    30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	173.26	16.10
33 42 11 00-1318    LF    33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	192.29	17.89
33 42 11 00-1319    LF    36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	216.33	21.10
33 42 11 00-1320    LF    42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	250.13	24.93
33 42 11 00-1321    LF    48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	283.58	28.77
33 42 11 00-1322    LF    54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	391.46	32.61
33 42 11 00-1323    LF    60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	430.79	34.52
<b>33 42 11 00-1324</b> <b>10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1298)</small>		
33 42 11 00-1325    LF    48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	399.28	28.77
33 42 11 00-1326    LF    54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	462.79	32.61
33 42 11 00-1327    LF    60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	510.14	34.52
33 42 11 00-1328    LF    66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	592.85	42.20
33 42 11 00-1329    LF    72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	673.05	61.38
33 42 11 00-1330    LF    78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	726.62	67.13
33 42 11 00-1331    LF    84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	777.14	71.93
<b>33 42 11 00-1332</b> <b>Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-0448)</small>		
<b>33 42 11 00-1333</b> <b>2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1332)</small>		
<b>33 42 11 00-1334</b> <b>16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1333)</small>		
33 42 11 00-1335    LF    17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	49.78	9.84
For Bituminous Coated Pipe, Add	5.06	
33 42 11 00-1336    LF    21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	56.28	10.73
For Bituminous Coated Pipe, Add	6.04	
33 42 11 00-1337    LF    24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	64.66	11.62
For Bituminous Coated Pipe, Add	7.19	
<b>33 42 11 00-1338</b> <b>14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1333)</small>		

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1339	LF		17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	56.21	9.84
			<i>For Bituminous Coated Pipe, Add</i>	5.04	
33 42 11 00-1340	LF		21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	62.45	10.73
			<i>For Bituminous Coated Pipe, Add</i>	5.81	
33 42 11 00-1341	LF		24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	73.56	11.62
			<i>For Bituminous Coated Pipe, Add</i>	7.14	
33 42 11 00-1342	LF		28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	83.00	12.52
			<i>For Bituminous Coated Pipe, Add</i>	8.19	
33 42 11 00-1343	LF		35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	107.00	16.10
			<i>For Bituminous Coated Pipe, Add</i>	10.36	
<b>33 42 11 00-1344</b>			<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b>		
			<small>(33 42 11 00-1333)</small>		
33 42 11 00-1345	LF		28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	102.56	12.52
			<i>For Bituminous Coated Pipe, Add</i>	7.80	
33 42 11 00-1346	LF		35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	131.39	16.10
			<i>For Bituminous Coated Pipe, Add</i>	9.84	
33 42 11 00-1347	LF		42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	167.56	21.10
			<i>For Bituminous Coated Pipe, Add</i>	12.28	
33 42 11 00-1348	LF		49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	194.07	24.93
			<i>For Bituminous Coated Pipe, Add</i>	14.52	
<b>33 42 11 00-1349</b>			<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b>		
			<small>(33 42 11 00-1333)</small>		
33 42 11 00-1350	LF		42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	198.66	21.10
			<i>For Bituminous Coated Pipe, Add</i>	11.85	
33 42 11 00-1351	LF		49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	230.41	24.93
			<i>For Bituminous Coated Pipe, Add</i>	13.98	
33 42 11 00-1352	LF		57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	267.81	28.77
			<i>For Bituminous Coated Pipe, Add</i>	16.38	
33 42 11 00-1353	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	299.87	32.61
			<i>For Bituminous Coated Pipe, Add</i>	18.23	
33 42 11 00-1354			<b>3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1332)</small>		
<b>33 42 11 00-1355</b>			<b>14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1354)</small>		
33 42 11 00-1356	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	231.93	32.61
33 42 11 00-1357	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	253.93	34.52
33 42 11 00-1358	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	308.95	42.20
<b>33 42 11 00-1359</b>			<b>12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1354)</small>		
33 42 11 00-1360	LF		60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	283.69	32.61
33 42 11 00-1361	LF		66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	311.25	34.52
33 42 11 00-1362	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	371.56	42.20
33 42 11 00-1363	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	432.89	61.38
33 42 11 00-1364	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	466.95	67.13
33 42 11 00-1365	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	498.49	71.93
<b>33 42 11 00-1366</b>			<b>10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1354)</small>		
33 42 11 00-1367	LF		66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	371.45	34.52
33 42 11 00-1368	LF		73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	435.08	42.20
33 42 11 00-1369	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	502.12	61.38
33 42 11 00-1370	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	541.91	67.13
33 42 11 00-1371	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	579.08	71.93
33 42 11 00-1372	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	616.24	76.72
<b>33 42 11 00-1373</b>			<b>Corrugated Steel Pipe Fittings</b> <small>(33 42 11 00-0448)</small>		
			Note: Equivalent pipe-arch sizes are approximate.		
<b>33 42 11 00-1374</b>			<b>Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings</b> <small>(33 42 11 00-1373)</small>		
			Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1375	EA		Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe) .....	82.72	
33 42 11 00-1376	EA		Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe) .....	103.73	
33 42 11 00-1377	EA		Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe) .....	124.75	
33 42 11 00-1378	EA		Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe) .....	147.09	
33 42 11 00-1379	EA		Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	178.59	
33 42 11 00-1380	EA		Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	210.09	
33 42 11 00-1381	EA		Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	241.62	
33 42 11 00-1382	EA		Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	273.12	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1383	EA			Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	355.85	
33 42 11 00-1384	EA			Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	424.13	
33 42 11 00-1385	EA			Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	492.42	
33 42 11 00-1386	EA			Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	636.86	
33 42 11 00-1387	EA			Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	718.28	
33 42 11 00-1388	EA			Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	802.32	
33 42 11 00-1389	EA			Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	888.99	
33 42 11 00-1390	EA			Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,083.32	
33 42 11 00-1391	EA			Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,181.79	
33 42 11 00-1392	EA			Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,282.91	
33 42 11 00-1393	EA			Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,574.41	
33 42 11 00-1394	EA			Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,689.99	
33 42 11 00-1395	EA			Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,806.85	
33 42 11 00-1396	EA			Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,923.71	
33 42 11 00-1397	EA			Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,039.26	
33 42 11 00-1398	EA			Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,156.14	
33 42 11 00-1399	EA			Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,279.36	
33 42 11 00-1400	EA			Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,409.61	
33 42 11 00-1401	EA			Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,547.29	

**33 42 11 00-1402**

**Fabricate Corrugated Steel Pipe Tees Or Laterals** (33 42 11 00-1373)

Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.

33 42 11 00-1403	EA			Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	107.68	
33 42 11 00-1404	EA			Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	137.88	
33 42 11 00-1405	EA			Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	168.06	
33 42 11 00-1406	EA			Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	198.28	
33 42 11 00-1407	EA			Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	241.62	
33 42 11 00-1408	EA			Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	286.25	
33 42 11 00-1409	EA			Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	330.92	
33 42 11 00-1410	EA			Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	375.53	
33 42 11 00-1411	EA			Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	492.42	
33 42 11 00-1412	EA			Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	586.96	
33 42 11 00-1413	EA			Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	682.81	
33 42 11 00-1414	EA			Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	886.34	
33 42 11 00-1415	EA			Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	997.97	
33 42 11 00-1416	EA			Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,113.51	
33 42 11 00-1417	EA			Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,231.70	
33 42 11 00-1418	EA			Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,502.18	
33 42 11 00-1419	EA			Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,636.15	
33 42 11 00-1420	EA			Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,772.70	
33 42 11 00-1421	EA			Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,181.05	
33 42 11 00-1422	EA			Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,337.33	
33 42 11 00-1423	EA			Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,493.59	
33 42 11 00-1424	EA			Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,651.15	
33 42 11 00-1425	EA			Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,808.73	
33 42 11 00-1426	EA			Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,964.97	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 11 00-1427	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe)	3,129.93
33 42 11 00-1428	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	3,304.04
33 42 11 00-1429	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	3,487.83

### 33 42 11 00-1430 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting (33 42 11 00-1373)

Note: Applied to pipe tasks.

33 42 11 00-1431	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting	41.32
33 42 11 00-1432	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting	51.98
33 42 11 00-1433	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting	65.38
33 42 11 00-1434	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting	80.07
33 42 11 00-1435	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	101.32
33 42 11 00-1436	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	124.06
33 42 11 00-1437	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	145.32
33 42 11 00-1438	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	168.83
33 42 11 00-1439	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	207.36
33 42 11 00-1440	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	247.24
33 42 11 00-1441	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	295.00
33 42 11 00-1442	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	362.89
33 42 11 00-1443	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	410.74
33 42 11 00-1444	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	462.57
33 42 11 00-1445	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	560.95
33 42 11 00-1446	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	622.07
33 42 11 00-1447	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	758.99
33 42 11 00-1448	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	826.81
33 42 11 00-1449	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	898.62
33 42 11 00-1450	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	969.01
33 42 11 00-1451	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,040.80
33 42 11 00-1452	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,113.89
33 42 11 00-1453	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,185.70
33 42 11 00-1454	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,257.46
33 42 11 00-1455	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,333.57
33 42 11 00-1456	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,414.27
33 42 11 00-1457	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,499.87

### 33 42 11 00-1458 Saddles, Corrugated Steel Pipe Fitting (33 42 11 00-1373)

Note: For Field Tap

33 42 11 00-1459	EA	6" Saddle, Corrugated Steel Pipe Fitting	195.69
33 42 11 00-1460	EA	8" Saddle, Corrugated Steel Pipe Fitting	221.01
33 42 11 00-1461	EA	10" Saddle, Corrugated Steel Pipe Fitting	254.54
33 42 11 00-1462	EA	12" Saddle, Corrugated Steel Pipe Fitting	311.37
33 42 11 00-1463	EA	15" Saddle, Corrugated Steel Pipe Fitting	383.49
33 42 11 00-1464	EA	18" Saddle, Corrugated Steel Pipe Fitting	457.13
33 42 11 00-1465	EA	21" Saddle, Corrugated Steel Pipe Fitting	575.66
33 42 11 00-1466	EA	24" Saddle, Corrugated Steel Pipe Fitting	683.80
33 42 11 00-1467	EA	30" Saddle, Corrugated Steel Pipe Fitting	859.97
33 42 11 00-1468	EA	36" Saddle, Corrugated Steel Pipe Fitting	1,107.92
33 42 11 00-1469	EA	42" Saddle, Corrugated Steel Pipe Fitting	1,307.68
33 42 11 00-1470	EA	48" Saddle, Corrugated Steel Pipe Fitting	1,537.81
33 42 11 00-1471	EA	54" Saddle, Corrugated Steel Pipe Fitting	1,829.53
33 42 11 00-1472	EA	60" Saddle, Corrugated Steel Pipe Fitting	2,167.64
33 42 11 00-1473	EA	66" Saddle, Corrugated Steel Pipe Fitting	2,469.86
33 42 11 00-1474	EA	72" Saddle, Corrugated Steel Pipe Fitting	2,755.86
33 42 11 00-1475	EA	78" Saddle, Corrugated Steel Pipe Fitting	3,236.59
33 42 11 00-1476	EA	84" Saddle, Corrugated Steel Pipe Fitting	3,574.53
33 42 11 00-1477	EA	90" Saddle, Corrugated Steel Pipe Fitting	4,229.08
33 42 11 00-1478	EA	96" Saddle, Corrugated Steel Pipe Fitting	4,673.95
33 42 11 00-1479	EA	102" Saddle, Corrugated Steel Pipe Fitting	5,301.90
33 42 11 00-1480	EA	108" Saddle, Corrugated Steel Pipe Fitting	6,015.61
33 42 11 00-1481	EA	114" Saddle, Corrugated Steel Pipe Fitting	6,824.33
33 42 11 00-1482	EA	120" Saddle, Corrugated Steel Pipe Fitting	7,740.41

### 33 42 11 00-1483 Coupling Bands, Corrugated Metal Pipe Fitting (33 42 11 00-1373)

33 42 11 00-1484	EA	6" Coupling Band, Corrugated Metal Pipe Fitting	11.71
		<i>For Bituminous Coated, Add</i>	3.40
33 42 11 00-1485	EA	8" Coupling Band, Corrugated Metal Pipe Fitting	15.55
		<i>For Bituminous Coated, Add</i>	4.51
33 42 11 00-1486	EA	10" Coupling Band, Corrugated Metal Pipe Fitting	19.59
		<i>For Bituminous Coated, Add</i>	5.68
33 42 11 00-1487	EA	12" Coupling Band, Corrugated Metal Pipe Fitting	32.52
		<i>For Bituminous Coated, Add</i>	9.43
33 42 11 00-1488	EA	15" Coupling Band, Corrugated Metal Pipe Fitting	41.00
		<i>For Bituminous Coated, Add</i>	11.89
33 42 11 00-1489	EA	18" Coupling Band, Corrugated Metal Pipe Fitting	60.16
		<i>For Bituminous Coated, Add</i>	17.45
33 42 11 00-1490	EA	21" Coupling Band, Corrugated Metal Pipe Fitting	71.40
		<i>For Bituminous Coated, Add</i>	20.71
33 42 11 00-1491	EA	24" Coupling Band, Corrugated Metal Pipe Fitting	80.96
		<i>For Bituminous Coated, Add</i>	23.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1492 EA 30" Coupling Band, Corrugated Metal Pipe Fitting .....	140.11	
For Bituminous Coated, Add	40.63	
33 42 11 00-1493 EA 36" Coupling Band, Corrugated Metal Pipe Fitting .....	224.16	
For Bituminous Coated, Add	53.80	
33 42 11 00-1494 EA 42" Coupling Band, Corrugated Metal Pipe Fitting .....	263.38	
For Bituminous Coated, Add	63.21	
33 42 11 00-1495 EA 48" Coupling Band, Corrugated Metal Pipe Fitting .....	295.12	
For Bituminous Coated, Add	70.83	
33 42 11 00-1496 EA 54" Coupling Band, Corrugated Metal Pipe Fitting .....	418.53	
For Bituminous Coated, Add	100.45	
33 42 11 00-1497 EA 60" Coupling Band, Corrugated Metal Pipe Fitting .....	598.63	
For Bituminous Coated, Add	107.75	
33 42 11 00-1498 EA 66" Coupling Band, Corrugated Metal Pipe Fitting .....	735.70	
For Bituminous Coated, Add	132.43	
33 42 11 00-1499 EA 72" Coupling Band, Corrugated Metal Pipe Fitting .....	945.06	
For Bituminous Coated, Add	132.31	
33 42 11 00-1500 EA 78" Coupling Band, Corrugated Metal Pipe Fitting .....	1,010.80	
For Bituminous Coated, Add	141.51	
33 42 11 00-1501 EA 84" Coupling Band, Corrugated Metal Pipe Fitting .....	1,076.91	
For Bituminous Coated, Add	150.77	
33 42 11 00-1502 EA 90" Coupling Band, Corrugated Metal Pipe Fitting .....	1,142.69	
For Bituminous Coated, Add	159.98	
33 42 11 00-1503 EA 96" Coupling Band, Corrugated Metal Pipe Fitting .....	1,208.64	
For Bituminous Coated, Add	169.21	
33 42 11 00-1504 EA 102" Coupling Band, Corrugated Metal Pipe Fitting .....	1,274.75	
For Bituminous Coated, Add	178.47	
33 42 11 00-1505 EA 108" Coupling Band, Corrugated Metal Pipe Fitting .....	1,340.56	
For Bituminous Coated, Add	187.68	
33 42 11 00-1506 EA 114" Coupling Band, Corrugated Metal Pipe Fitting .....	1,587.75	
For Bituminous Coated, Add	190.53	
33 42 11 00-1507 EA 120" Coupling Band, Corrugated Metal Pipe Fitting .....	1,472.08	
For Bituminous Coated, Add	176.65	
33 42 11 00-1508 EA 126" Coupling Band, Corrugated Metal Pipe Fitting .....	1,537.69	
For Bituminous Coated, Add	184.52	
33 42 11 00-1509 EA 132" Coupling Band, Corrugated Metal Pipe Fitting .....	1,603.77	
For Bituminous Coated, Add	192.45	
33 42 11 00-1510 EA 138" Coupling Band, Corrugated Metal Pipe Fitting .....	1,669.92	
For Bituminous Coated, Add	200.39	
<b>33 42 11 00-1511 90 Degree Bends, Galvanized Corrugated Metal Pipe Fitting (33 42 11 00-1373)</b>		
33 42 11 00-1512 EA 12" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	341.96	107.30
33 42 11 00-1513 EA 15" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	416.35	134.13
33 42 11 00-1514 EA 18" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	490.75	178.84
33 42 11 00-1515 EA 24" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	668.86	250.38
33 42 11 00-1516 EA 30" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	861.29	286.14
33 42 11 00-1517 EA 36" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	1,196.59	326.05
33 42 11 00-1518 EA 42" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	1,412.19	383.60
33 42 11 00-1519 EA 48" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	1,615.54	383.60
33 42 11 00-1520 EA 54" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	1,961.82	537.03
33 42 11 00-1521 EA 60" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	2,212.17	537.03
33 42 11 00-1522 EA 66" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	2,690.74	671.29
33 42 11 00-1523 EA 72" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	2,862.42	714.44
33 42 11 00-1524 EA 78" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	3,372.66	895.02
33 42 11 00-1525 EA 84" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	3,740.95	958.99
<b>33 42 11 00-1526 Wyes Or Tees, Galvanized Corrugated Metal Pipe Fitting (33 42 11 00-1373)</b>		
33 42 11 00-1527 EA 12" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting .....	495.04	143.08
33 42 11 00-1528 EA 15" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting .....	572.14	178.84
33 42 11 00-1529 EA 18" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting .....	669.56	232.49
33 42 11 00-1530 EA 24" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting .....	952.85	321.91
33 42 11 00-1531 EA 30" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting .....	1,255.20	375.57
33 42 11 00-1532 EA 36" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting .....	1,731.83	441.13
33 42 11 00-1533 EA 42" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting .....	2,047.41	517.85
33 42 11 00-1534 EA 48" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting .....	2,382.96	517.85
33 42 11 00-1535 EA 54" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting .....	2,854.11	709.65
33 42 11 00-1536 EA 60" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting .....	3,197.47	709.65
33 42 11 00-1537 EA 66" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting .....	3,806.86	901.45
33 42 11 00-1538 EA 72" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting .....	4,007.16	958.99
33 42 11 00-1539 EA 78" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting .....	4,878.04	1,193.94
33 42 11 00-1540 EA 84" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting .....	5,627.46	1,285.04

**33 42 13 Stormwater Culverts (33 42)**

**33 42 13 13 Precast Concrete Stormwater Culverts (33 42 13)**

**33 42 13 13-0001 Precast Reinforced Concrete Box Culvert (33 42 13 13)**

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0883 for crane lifting equipment.

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0002 LF 3' x 3' Precast Reinforced Concrete Box Culvert .....	393.51	47.94
For Each LF Of Cut-Off Section, Add .....	15.74	
33 42 13 13-0003 LF 4' x 2' Precast Reinforced Concrete Box Culvert .....	443.85	47.94
For Each LF Of Cut-Off Section, Add .....	17.75	
33 42 13 13-0004 LF 4' x 3' Precast Reinforced Concrete Box Culvert .....	525.16	47.94
For Each LF Of Cut-Off Section, Add .....	21.01	
33 42 13 13-0005 LF 5' x 3' Precast Reinforced Concrete Box Culvert .....	630.31	59.94
For Each LF Of Cut-Off Section, Add .....	25.21	
33 42 13 13-0006 LF 5' x 4' Precast Reinforced Concrete Box Culvert .....	645.80	59.94
For Each LF Of Cut-Off Section, Add .....	25.83	
33 42 13 13-0007 LF 5' x 5' Precast Reinforced Concrete Box Culvert .....	653.55	59.94
For Each LF Of Cut-Off Section, Add .....	26.14	
33 42 13 13-0008 LF 6' x 3' Precast Reinforced Concrete Box Culvert .....	673.80	62.34
For Each LF Of Cut-Off Section, Add .....	26.95	
33 42 13 13-0009 LF 6' x 4' Precast Reinforced Concrete Box Culvert .....	677.68	62.34
For Each LF Of Cut-Off Section, Add .....	27.11	
33 42 13 13-0010 LF 6' x 6' Precast Reinforced Concrete Box Culvert .....	747.37	62.34
For Each LF Of Cut-Off Section, Add .....	29.89	
33 42 13 13-0011 LF 7' x 4' Precast Reinforced Concrete Box Culvert .....	766.45	71.93
For Each LF Of Cut-Off Section, Add .....	30.66	
33 42 13 13-0012 LF 7' x 6' Precast Reinforced Concrete Box Culvert .....	817.94	97.82
For Each LF Of Cut-Off Section, Add .....	32.72	
33 42 13 13-0013 LF 8' x 2' Precast Reinforced Concrete Box Culvert .....	751.24	62.34
For Each LF Of Cut-Off Section, Add .....	30.05	
33 42 13 13-0014 LF 8' x 3' Precast Reinforced Concrete Box Culvert .....	770.32	71.93
For Each LF Of Cut-Off Section, Add .....	30.81	
33 42 13 13-0015 LF 8' x 4' Precast Reinforced Concrete Box Culvert .....	781.94	71.93
For Each LF Of Cut-Off Section, Add .....	31.28	
33 42 13 13-0016 LF 8' x 5' Precast Reinforced Concrete Box Culvert .....	942.68	95.90
For Each LF Of Cut-Off Section, Add .....	37.71	
33 42 13 13-0017 LF 8' x 6' Precast Reinforced Concrete Box Culvert .....	945.78	95.90
For Each LF Of Cut-Off Section, Add .....	37.83	
33 42 13 13-0018 LF 8' x 8' Precast Reinforced Concrete Box Culvert .....	1,045.35	119.87
For Each LF Of Cut-Off Section, Add .....	41.81	
33 42 13 13-0019 LF 9' x 4' Precast Reinforced Concrete Box Culvert .....	1,042.58	95.90
For Each LF Of Cut-Off Section, Add .....	41.70	
33 42 13 13-0020 LF 9' x 6' Precast Reinforced Concrete Box Culvert .....	1,101.89	119.87
For Each LF Of Cut-Off Section, Add .....	44.08	
33 42 13 13-0021 LF 10' x 3' Precast Reinforced Concrete Box Culvert .....	1,105.76	119.87
For Each LF Of Cut-Off Section, Add .....	44.23	
33 42 13 13-0022 LF 10' x 4' Precast Reinforced Concrete Box Culvert .....	1,345.82	119.87
For Each LF Of Cut-Off Section, Add .....	53.83	
33 42 13 13-0023 LF 10' x 5' Precast Reinforced Concrete Box Culvert .....	1,408.99	143.84
For Each LF Of Cut-Off Section, Add .....	56.36	
33 42 13 13-0024 LF 10' x 6' Precast Reinforced Concrete Box Culvert .....	1,424.48	143.84
For Each LF Of Cut-Off Section, Add .....	56.98	
33 42 13 13-0025 LF 10' x 7' Precast Reinforced Concrete Box Culvert .....	1,428.35	143.84
For Each LF Of Cut-Off Section, Add .....	57.13	
33 42 13 13-0026 LF 10' x 8' Precast Reinforced Concrete Box Culvert .....	1,433.77	143.84
For Each LF Of Cut-Off Section, Add .....	57.35	
33 42 13 13-0027 LF 12' x 3' Precast Reinforced Concrete Box Culvert .....	1,487.66	167.83
For Each LF Of Cut-Off Section, Add .....	59.51	
33 42 13 13-0028 LF 12' x 4' Precast Reinforced Concrete Box Culvert .....	1,487.66	167.83
For Each LF Of Cut-Off Section, Add .....	59.51	
33 42 13 13-0029 LF 12' x 6' Precast Reinforced Concrete Box Culvert .....	1,487.66	167.83
For Each LF Of Cut-Off Section, Add .....	59.51	
33 42 13 13-0030 LF 12' x 8' Precast Reinforced Concrete Box Culvert .....	1,487.66	167.83
For Each LF Of Cut-Off Section, Add .....	59.51	
33 42 13 13-0031 LF 16' x 10' Precast Reinforced Concrete Box Culvert .....	2,170.34	191.80
For Each LF Of Cut-Off Section, Add .....	86.81	
33 42 13 13-0032 LF 24' x 10' Precast Reinforced Concrete Box Culvert .....	3,022.18	191.80
For Each LF Of Cut-Off Section, Add .....	120.89	
<b>33 42 13 13-0033 Precast Reinforced Concrete Box Culvert For Roadways</b> <small>(33 42 13 13)</small>		
Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0883 for crane lifting equipment.		
33 42 13 13-0034 LF 3' x 3' Precast Reinforced Concrete Box Culvert For Roadways .....	986.32	47.94
For Each LF Of Cut-Off Section, Add .....	39.45	
33 42 13 13-0035 LF 4' x 2' Precast Reinforced Concrete Box Culvert For Roadways .....	1,060.70	47.94
For Each LF Of Cut-Off Section, Add .....	42.43	
33 42 13 13-0036 LF 4' x 3' Precast Reinforced Concrete Box Culvert For Roadways .....	1,192.34	47.94
For Each LF Of Cut-Off Section, Add .....	47.69	
33 42 13 13-0037 LF 5' x 3' Precast Reinforced Concrete Box Culvert For Roadways .....	1,347.79	59.94
For Each LF Of Cut-Off Section, Add .....	53.91	
33 42 13 13-0038 LF 5' x 4' Precast Reinforced Concrete Box Culvert For Roadways .....	1,479.43	59.94
For Each LF Of Cut-Off Section, Add .....	59.18	
33 42 13 13-0039 LF 5' x 5' Precast Reinforced Concrete Box Culvert For Roadways .....	1,611.07	59.94
For Each LF Of Cut-Off Section, Add .....	64.44	
33 42 13 13-0040 LF 6' x 3' Precast Reinforced Concrete Box Culvert For Roadways .....	1,484.20	62.34
For Each LF Of Cut-Off Section, Add .....	59.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0041 LF 6' x 4' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	1,615.84 64.63	62.34
33 42 13 13-0042 LF 6' x 6' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	1,879.12 75.16	62.34
33 42 13 13-0043 LF 7' x 4' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	1,766.56 70.66	71.93
33 42 13 13-0044 LF 7' x 6' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,081.30 83.25	97.82
33 42 13 13-0045 LF 8' x 2' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	1,615.84 64.63	62.34
33 42 13 13-0046 LF 8' x 3' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	1,766.56 70.66	71.93
33 42 13 13-0047 LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	1,898.20 75.93	71.93
33 42 13 13-0048 LF 8' x 5' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,077.49 83.10	95.90
33 42 13 13-0049 LF 8' x 6' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,209.13 88.37	95.90
33 42 13 13-0050 LF 8' x 8' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,520.10 100.80	119.87
33 42 13 13-0051 LF 9' x 4' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,230.67 89.23	95.90
33 42 13 13-0052 LF 9' x 6' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,559.72 102.39	119.87
33 42 13 13-0053 LF 10' x 3' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,531.07 101.24	119.87
33 42 13 13-0054 LF 10' x 4' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,687.38 107.50	119.87
33 42 13 13-0055 LF 10' x 5' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,891.37 115.65	143.84
33 42 13 13-0056 LF 10' x 6' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	3,047.68 121.91	143.84
33 42 13 13-0057 LF 10' x 7' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	3,204.02 128.16	143.84
33 42 13 13-0058 LF 10' x 8' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	3,360.33 134.41	143.84
33 42 13 13-0059 LF 12' x 3' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	3,354.83 134.19	167.83
33 42 13 13-0060 LF 12' x 4' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	3,532.51 141.30	167.83
33 42 13 13-0061 LF 12' x 6' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	3,887.92 155.52	167.83
33 42 13 13-0062 LF 12' x 8' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	4,243.34 169.73	167.83
33 42 13 13-0063 LF 16' x 10' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	5,080.83 203.23	191.80
33 42 13 13-0064 LF 24' x 10' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	6,423.50 256.94	191.80
<b>33 42 23 Headwalls and Endwalls for Stormwater Piping (33 42)</b>		
33 42 23 00-0001 Headwalls (33 42 23) Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.		
33 42 23 00-0002 Cast In Place Concrete Headwalls (33 42 23 00-0001) Note: Includes concrete, forms, rebar (where required), finish and curing.		
33 42 23 00-0003 Skewed Wingwall, Cast In Place Concrete Headwall (33 42 23 00-0002) Note: Sized by pipe diameter.		
33 42 23 00-0004 EA 12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	1,512.85	623.02
33 42 23 00-0005 EA 15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	1,901.35	664.55
33 42 23 00-0006 EA 18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	2,493.01	870.47
33 42 23 00-0007 EA 24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	3,932.61	1,246.04
33 42 23 00-0008 EA 30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	5,481.92	1,661.39
33 42 23 00-0009 EA 36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	6,478.06	2,189.89
33 42 23 00-0010 EA 42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	8,840.83	3,020.68
33 42 23 00-0011 EA 48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	10,518.55	3,560.08
33 42 23 00-0012 EA 54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	12,642.71	4,334.10
33 42 23 00-0013 EA 60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	15,143.61	5,246.47
33 42 23 00-0014 Precast Concrete Headwalls (33 42 23 00-0001)		
33 42 23 00-0015 EA 12" Pipe, Precast Concrete Headwall.....	901.09	160.96
33 42 23 00-0016 EA 15" Pipe, Precast Concrete Headwall.....	927.90	169.89
33 42 23 00-0017 EA 18" Pipe, Precast Concrete Headwall.....	1,019.57	193.15
33 42 23 00-0018 EA 24" Pipe, Precast Concrete Headwall.....	1,129.15	205.67
33 42 23 00-0019 EA 30" Pipe, Precast Concrete Headwall.....	1,542.82	241.44
33 42 23 00-0020 EA 36" Pipe, Precast Concrete Headwall.....	1,726.14	250.38
33 42 23 00-0021 EA 42" Pipe, Precast Concrete Headwall.....	2,290.12	295.94
33 42 23 00-0022 EA 48" Pipe, Precast Concrete Headwall.....	2,535.44	326.05
33 42 23 00-0023 EA 54" Pipe, Precast Concrete Headwall.....	2,803.84	345.23
33 42 23 00-0024 EA 60" Pipe, Precast Concrete Headwall.....	3,192.04	345.23
33 42 23 00-0025 EA 72" Pipe, Precast Concrete Headwall.....	3,891.72	431.54

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 23 00-0026 EA 84" Pipe, Precast Concrete Headwall .....	5,569.06	517.85
<b>33 42 23 00-0027 Precast Concrete Wingwalls</b> (33 42 23 00-0001)		
33 42 23 00-0028 EA 18" ID Pipe (26" Hole) Precast Concrete Wingwall .....	5,523.38	1,708.91
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0029 EA 24" ID Pipe (32" Hole) Precast Concrete Wingwall .....	5,811.08	1,898.79
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0030 EA 30" ID Pipe (42" Hole) Precast Concrete Wingwall .....	6,290.57	2,215.25
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0031 EA 33" ID Pipe (46" Hole) Precast Concrete Wingwall .....	6,770.07	2,531.73
Note: 12" Thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
33 42 23 00-0032 EA 36" ID Pipe (50" Hole) Precast Concrete Wingwall .....	6,770.07	2,531.73
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0033 EA 44" ID Pipe (58" Hole) Precast Concrete Wingwall .....	6,961.86	2,658.30
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0034 EA 48" ID Pipe (62" Hole) Precast Concrete Wingwall .....	12,864.99	2,721.60
Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0035 EA 52" ID Pipe (66" Hole) Precast Concrete Wingwall .....	13,152.69	2,911.48
Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
<b>33 42 23 00-0036 Precast Concrete Transverse Drainage Interceptor</b> (33 42 23 00-0001)		
33 42 23 00-0037 EA 34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate.....	3,332.71	671.29
<b>33 42 26 End Sections for Stormwater Piping</b> (33 42)		
<b>33 42 26 16 Corrugated Metal End Sections for Stormwater Piping</b> (33 42 26)		
33 42 26 16-0001 Corrugated Metal Pipe End Sections (33 42 26 16)		
33 42 26 16-0002 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0001)		
33 42 26 16-0003 Type 1 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)		
Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004 EA 12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	243.89	62.59
33 42 26 16-0005 EA 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	282.58	67.07
33 42 26 16-0006 EA 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	329.37	71.53
33 42 26 16-0007 EA 21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	398.19	78.25
33 42 26 16-0008 EA 24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	440.94	84.95
33 42 26 16-0009 Type 2 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)		
Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010 EA 30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	707.64	96.12
33 42 26 16-0011 EA 36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	919.70	115.08
33 42 26 16-0012 EA 42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,406.83	134.25
33 42 26 16-0013 EA 48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,717.59	153.44
33 42 26 16-0014 EA 54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	2,046.96	191.80
33 42 26 16-0015 EA 60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	2,391.11	230.15
33 42 26 16-0016 Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)		
Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017 EA 12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	254.49	62.59
33 42 26 16-0018 EA 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	293.49	67.07
33 42 26 16-0019 EA 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	346.14	71.53
33 42 26 16-0020 EA 21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	418.32	78.25
33 42 26 16-0021 EA 24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	463.77	84.95
33 42 26 16-0022 EA 30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	777.73	96.12
33 42 26 16-0023 EA 36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,005.85	115.08
33 42 26 16-0024 EA 42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,596.86	134.25
33 42 26 16-0025 EA 48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,962.82	153.44
33 42 26 16-0026 EA 54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,294.95	191.80
33 42 26 16-0027 EA 60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,176.56	230.15
33 42 26 16-0028 EA 66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,613.71	345.23
33 42 26 16-0029 EA 72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	4,234.54	460.32
33 42 26 16-0030 EA 78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	4,611.79	493.88
33 42 26 16-0031 EA 84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	4,998.10	527.44
33 42 26 16-0032 Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section (33 42 26 16-0002)		
33 42 26 16-0033 EA Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section .....	31.50	
33 42 26 16-0034 EA Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section .....	35.08	
33 42 26 16-0035 EA Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section .....	39.48	
33 42 26 16-0036 EA Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section .....	42.92	
33 42 26 16-0037 EA Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section .....	48.03	
33 42 26 16-0038 EA Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section .....	83.72	
33 42 26 16-0039 EA Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section .....	90.10	
33 42 26 16-0040 EA Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section .....	123.26	
33 42 26 16-0041 EA Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section .....	131.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0042 EA Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section .....	161.11	
33 42 26 16-0043 EA Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section .....	165.10	
33 42 26 16-0044 EA Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section .....	176.38	
33 42 26 16-0045 EA Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section .....	201.06	
33 42 26 16-0046 EA Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section .....	224.85	
33 42 26 16-0047 EA 84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension.....	230.47	
<b>33 42 26 16-0048 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0001)</b>		
<b>33 42 26 16-0049 Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)</b>		
Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0050 EA 17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section .....	282.58	67.07
33 42 26 16-0051 EA 21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section .....	329.37	71.53
33 42 26 16-0052 EA 24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section .....	398.19	78.25
33 42 26 16-0053 EA 28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section .....	440.94	84.95
<b>33 42 26 16-0054 Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)</b>		
Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0055 EA 17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	273.43	67.07
33 42 26 16-0056 EA 21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	312.44	71.53
33 42 26 16-0057 EA 24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	349.72	78.25
33 42 26 16-0058 EA 28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	394.66	84.95
33 42 26 16-0059 EA 35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	575.68	96.12
33 42 26 16-0060 EA 42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	839.52	115.08
33 42 26 16-0061 EA 49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	1,302.51	134.25
33 42 26 16-0062 EA 57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	1,648.07	153.44
<b>33 42 26 16-0063 Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)</b>		
Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0064 EA 17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	278.07	67.07
33 42 26 16-0065 EA 21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	322.54	71.53
33 42 26 16-0066 EA 24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	365.50	78.25
33 42 26 16-0067 EA 28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	413.37	84.95
33 42 26 16-0068 EA 35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	607.49	96.12
33 42 26 16-0069 EA 42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	882.91	115.08
33 42 26 16-0070 EA 49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	1,371.93	134.25
33 42 26 16-0071 EA 57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	1,727.95	153.44
33 42 26 16-0072 EA 64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	2,079.78	191.80
33 42 26 16-0073 EA 71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	2,731.90	230.15
33 42 26 16-0074 EA 77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	3,815.27	345.23
33 42 26 16-0075 EA 83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	4,231.85	460.32
<b>33 42 26 16-0076 Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section (33 42 26 16-0048)</b>		
33 42 26 16-0077 EA Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section .....	35.08	
33 42 26 16-0078 EA Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section .....	39.48	
33 42 26 16-0079 EA Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section .....	42.92	
33 42 26 16-0080 EA Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section .....	48.03	
33 42 26 16-0081 EA Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section .....	83.72	
33 42 26 16-0082 EA Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section .....	90.10	
33 42 26 16-0083 EA Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section .....	123.26	
33 42 26 16-0084 EA Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section .....	137.22	
33 42 26 16-0085 EA Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section .....	161.11	
33 42 26 16-0086 EA Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section .....	167.19	
33 42 26 16-0087 EA Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section .....	193.41	
33 42 26 16-0088 EA Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section .....	219.81	
<b>33 42 26 16-0089 Corrugated Aluminum Pipe End Sections (33 42 26 16-0001)</b>		
<b>33 42 26 16-0090 Corrugated Aluminum Pipe End Sections (33 42 26 16-0089)</b>		
33 42 26 16-0091 EA 12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	367.14	62.59
33 42 26 16-0092 EA 15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	422.92	67.07
33 42 26 16-0093 EA 18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	501.12	71.53
33 42 26 16-0094 EA 21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	620.84	78.25
33 42 26 16-0095 EA 24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section .....	810.20	84.95
33 42 26 16-0096 EA 30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section .....	1,213.82	96.12
33 42 26 16-0097 EA 36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section .....	1,651.30	115.08
33 42 26 16-0098 EA 36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	2,054.55	115.08
33 42 26 16-0099 EA 42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	2,620.03	134.25
33 42 26 16-0100 EA 48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	3,738.15	153.44
33 42 26 16-0101 EA 54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	4,141.48	191.80
33 42 26 16-0102 EA 60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	5,581.03	230.15
33 42 26 16-0103 EA 66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	6,324.44	345.23
33 42 26 16-0104 EA 72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	7,399.27	460.32
33 42 26 16-0105 EA 78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	8,080.94	493.88
33 42 26 16-0106 EA 84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	8,527.11	527.44



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 26 16-0107	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	11,660.59	575.39
33 42 26 16-0108	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	12,908.25	623.34
<b>33 42 26 16-0109</b>		<b>Toe Plate Extensions For Corrugated Aluminum Pipe End Section (33 42 26 16-0089)</b>		
33 42 26 16-0110	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	57.47	
33 42 26 16-0111	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	60.93	
33 42 26 16-0112	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	66.12	
33 42 26 16-0113	EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	74.43	
33 42 26 16-0114	EA	Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	78.96	
33 42 26 16-0115	EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	102.26	
33 42 26 16-0116	EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	122.51	
33 42 26 16-0117	EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	129.24	
33 42 26 16-0118	EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	141.77	
33 42 26 16-0119	EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	160.24	
33 42 26 16-0120	EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	189.45	
33 42 26 16-0121	EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	264.73	
33 42 26 16-0122	EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	285.36	
33 42 26 16-0123	EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	362.00	
33 42 26 16-0124	EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	391.79	
33 42 26 16-0125	EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	417.49	
33 42 26 16-0126	EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	444.49	
33 42 26 16-0127	EA	Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	471.81	
<b>33 42 26 16-0128</b>		<b>Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0001)</b>		
<b>33 42 26 16-0129</b>		<b>Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0128)</b>		
33 42 26 16-0130	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	435.96	67.07
33 42 26 16-0131	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	532.89	71.53
33 42 26 16-0132	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	578.70	78.25
33 42 26 16-0133	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	624.46	84.95
33 42 26 16-0134	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	935.22	96.12
33 42 26 16-0135	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	1,669.83	115.08
33 42 26 16-0136	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	1,772.07	115.08
33 42 26 16-0137	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	2,367.86	134.25
33 42 26 16-0138	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	3,639.95	153.44
33 42 26 16-0139	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	4,168.14	191.80
33 42 26 16-0140	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	5,039.59	230.15
33 42 26 16-0141	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	8,440.85	345.23
33 42 26 16-0142	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	8,862.96	460.32
33 42 26 16-0143	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	9,649.95	493.88
33 42 26 16-0144	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	10,072.56	527.44
33 42 26 16-0145	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	10,979.18	575.39
33 42 26 16-0146	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	11,631.63	623.34
<b>33 42 26 16-0147</b>		<b>Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section (33 42 26 16-0128)</b>		
33 42 26 16-0148	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	60.93	
33 42 26 16-0149	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	66.12	
33 42 26 16-0150	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	69.72	
33 42 26 16-0151	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	76.37	
33 42 26 16-0152	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	87.45	
33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	113.99	
33 42 26 16-0154	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	124.73	
33 42 26 16-0155	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	141.77	
33 42 26 16-0156	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	160.24	
33 42 26 16-0157	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	189.45	
33 42 26 16-0158	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	240.85	
33 42 26 16-0159	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	305.35	
33 42 26 16-0160	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	411.99	
33 42 26 16-0161	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	467.88	
33 42 26 16-0162	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	490.06	
33 42 26 16-0163	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	508.18	
33 42 26 16-0164	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	530.32	
<b>33 42 26 16-0165</b>		<b>Low Slope Corrugated Steel Pipe End Sections And Accessories (33 42 26 16-0001)</b>		
<b>33 42 26 16-0166</b>		<b>4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)</b>		
33 42 26 16-0167	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	561.13	67.07
33 42 26 16-0168	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	722.66	71.53
33 42 26 16-0169	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	884.85	78.25
33 42 26 16-0170	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,058.55	84.95
33 42 26 16-0171	EA	30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,119.94	96.12
33 42 26 16-0172	EA	36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,465.58	115.08
33 42 26 16-0173	EA	42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	2,317.49	134.25





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 26 16-0174</b>	<b>3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections</b> <small>(33 42 26 16-0165)</small>	
Note: Includes nut and bolt set.		
33 42 26 16-0175 EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section .....	399.97
33 42 26 16-0176 EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section .....	802.13
33 42 26 16-0177 EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section .....	880.26
33 42 26 16-0178 EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section .....	915.14
<b>33 42 26 16-0179</b>	<b>6:1 Corrugated Steel Pipe End Sections</b> <small>(33 42 26 16-0165)</small>	
33 42 26 16-0180 EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	587.61
33 42 26 16-0181 EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	770.28
33 42 26 16-0182 EA	21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	1,025.01
33 42 26 16-0183 EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	1,204.22
33 42 26 16-0184 EA	30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	1,429.17
33 42 26 16-0185 EA	36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	1,738.52
33 42 26 16-0186 EA	42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	2,658.98
67.07		71.53
78.25		96.12
84.95		115.08
96.12		134.25
<b>33 42 26 16-0187</b>	<b>3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections</b> <small>(33 42 26 16-0165)</small>	
Note: Includes nut and bolt set.		
33 42 26 16-0188 EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section .....	778.93
33 42 26 16-0189 EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section .....	826.72
33 42 26 16-0190 EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section .....	909.31
33 42 26 16-0191 EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section .....	955.38
<b>33 42 26 16-0192</b>	<b>Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section</b> <small>(33 42 26 16-0165)</small>	
33 42 26 16-0193 EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section .....	67.95
33 42 26 16-0194 EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section .....	76.29
33 42 26 16-0195 EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section .....	83.03
33 42 26 16-0196 EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section .....	92.73
33 42 26 16-0197 EA	Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section .....	139.63
33 42 26 16-0198 EA	Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section .....	149.87
33 42 26 16-0199 EA	Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section .....	201.39
<b>33 42 26 16-0200</b>	<b>Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories</b> <small>(33 42 26 16-0001)</small>	
<b>33 42 26 16-0201</b>	<b>4:1 Corrugated Steel Pipe-Arch End Section</b> <small>(33 42 26 16-0200)</small>	
33 42 26 16-0202 EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section .....	666.88
33 42 26 16-0203 EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section .....	836.80
33 42 26 16-0204 EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section .....	990.51
33 42 26 16-0205 EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section .....	1,867.03
71.53		84.95
78.25		96.12
84.95		
96.12		
<b>33 42 26 16-0206</b>	<b>3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections</b> <small>(33 42 26 16-0200)</small>	
Note: Includes nut and bolt set.		
33 42 26 16-0207 EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section .....	476.57
33 42 26 16-0208 EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section .....	868.60
33 42 26 16-0209 EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section .....	915.14
33 42 26 16-0210 EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section .....	1,347.13
<b>33 42 26 16-0211</b>	<b>Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section</b> <small>(33 42 26 16-0200)</small>	
33 42 26 16-0212 EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section .....	68.69
33 42 26 16-0213 EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section .....	77.94
33 42 26 16-0214 EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section .....	84.97
33 42 26 16-0215 EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section .....	101.22
<b>33 42 26 19</b>	<b>Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping</b> <small>(33 42 26)</small>	
<b>33 42 26 19-0001</b>	<b>Corrugated High Density Polyethylene (HDPE) Pipe End Sections</b> <small>(33 42 26 19)</small>	
33 42 26 19-0002 EA	4" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	53.78
33 42 26 19-0003 EA	6" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	100.71
33 42 26 19-0004 EA	8" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	136.96
33 42 26 19-0005 EA	10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	215.66
33 42 26 19-0006 EA	12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	256.38
33 42 26 19-0007 EA	15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	272.09
33 42 26 19-0008 EA	18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	324.61
33 42 26 19-0009 EA	24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	420.04
33 42 26 19-0010 EA	30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	872.75
33 42 26 19-0011 EA	36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	1,065.39
17.77		26.67
33.33		53.33
60.00		84.43
64.44		95.55
71.11		106.66
84.43		
95.55		
106.66		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

### 33 42 26 23 Concrete End Sections for Stormwater Piping (33 42 26)

#### 33 42 26 23-0001 Precast Concrete End Sections (33 42 26 23)

#### 33 42 26 23-0002 Precast Concrete End Sections (33 42 26 23-0001)

33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section	596.42	104.89
33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section	799.61	129.84
33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section	990.40	164.35
33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section	1,137.29	196.55
33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section	1,210.46	227.49
33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section	1,527.00	285.77
33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section	1,897.39	429.24
33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section	2,343.88	541.64
33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section	2,838.24	679.44
33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section	3,112.88	766.23
33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section	3,397.63	858.30
33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section	3,689.67	954.19
33 42 26 23-0015	EA	66" Diameter Pipe Precast Concrete End Section	3,652.08	762.31
33 42 26 23-0016	EA	72" Diameter Pipe Precast Concrete End Section	4,190.38	952.87
33 42 26 23-0017	EA	78" Diameter Pipe Precast Concrete End Section	4,987.64	1,191.08
33 42 26 23-0018	EA	84" Diameter Pipe Precast Concrete End Section	5,903.57	1,429.30

#### 33 42 26 23-0019 Flared Precast Concrete End Sections (33 42 26 23-0001)

33 42 26 23-0020	EA	12" Diameter Pipe, Flared Precast Concrete End Section	748.99	111.72
33 42 26 23-0021	EA	15" Diameter Pipe, Flared Precast Concrete End Section	902.36	139.24
33 42 26 23-0022	EA	18" Diameter Pipe, Flared Precast Concrete End Section	1,096.25	176.26
33 42 26 23-0023	EA	21" Diameter Pipe, Flared Precast Concrete End Section	1,253.61	210.78
33 42 26 23-0024	EA	24" Diameter Pipe, Flared Precast Concrete End Section	1,528.33	243.97
33 42 26 23-0025	EA	27" Diameter Pipe, Flared Precast Concrete End Section	1,853.00	389.63
33 42 26 23-0026	EA	30" Diameter Pipe, Flared Precast Concrete End Section	1,941.48	536.46
33 42 26 23-0027	EA	36" Diameter Pipe, Flared Precast Concrete End Section	2,618.20	677.05
33 42 26 23-0028	EA	42" Diameter Pipe, Flared Precast Concrete End Section	3,145.64	849.47
33 42 26 23-0029	EA	48" Diameter Pipe, Flared Precast Concrete End Section	3,407.76	958.03
33 42 26 23-0030	EA	54" Diameter Pipe, Flared Precast Concrete End Section	3,811.78	1,073.01
33 42 26 23-0031	EA	60" Diameter Pipe, Flared Precast Concrete End Section	4,223.61	1,191.83
33 42 26 23-0032	EA	66" Diameter Pipe, Flared Precast Concrete End Section	4,924.54	1,373.17
33 42 26 23-0033	EA	72" Diameter Pipe, Flared Precast Concrete End Section	5,736.71	1,532.65
33 42 26 23-0034	EA	78" Diameter Pipe, Flared Precast Concrete End Section	6,503.78	1,724.16
33 42 26 23-0035	EA	84" Diameter Pipe, Flared Precast Concrete End Section	7,494.85	1,915.48

#### 33 42 26 23-0036 Elliptical Precast Concrete End Sections (33 42 26 23-0001)

33 42 26 23-0037	EA	14" x 23" Elliptical Precast Concrete End Section	1,304.15	176.26
33 42 26 23-0038	EA	18" x 24" Elliptical Precast Concrete End Section	1,487.90	210.78
33 42 26 23-0039	EA	19" x 30" Elliptical Precast Concrete End Section	1,818.83	243.97
33 42 26 23-0040	EA	22" x 34" Elliptical Precast Concrete End Section	2,170.00	389.63
33 42 26 23-0041	EA	24" x 38" Elliptical Precast Concrete End Section	2,225.46	536.46
33 42 26 23-0042	EA	27" x 42" Elliptical Precast Concrete End Section	2,622.04	607.04
33 42 26 23-0043	EA	29" x 45" Elliptical Precast Concrete End Section	3,018.62	677.05
33 42 26 23-0044	EA	34" x 53" Elliptical Precast Concrete End Section	3,613.24	849.47
33 42 26 23-0045	EA	38" x 60" Elliptical Precast Concrete End Section	3,900.11	958.03
33 42 26 23-0046	EA	43" x 68" Elliptical Precast Concrete End Section	4,361.98	1,073.01
33 42 26 23-0047	EA	48" x 76" Elliptical Precast Concrete End Section	4,831.99	1,191.83

### 33 42 31 Stormwater Area Drains and Inlets (33 42)

#### 33 42 31 00-0001 Storm Drains (33 42 31)

#### 33 42 31 00-0002 Catch Basins And Inlet Basins (33 42 31 00-0001)

Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.

#### 33 42 31 00-0003 Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0002)

Note: Inside dimensions.

#### 33 42 31 00-0004 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)

33 42 31 00-0005	EA	2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,661.36	306.43
33 42 31 00-0006	EA	3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,984.82	359.05
33 42 31 00-0007	EA	4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,308.29	411.56
33 42 31 00-0008	EA	5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,631.74	464.17
33 42 31 00-0009	EA	6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,955.21	516.70

#### 33 42 31 00-0010 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)

33 42 31 00-0011	EA	2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,142.61	304.59
33 42 31 00-0012	EA	3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,649.78	406.11
33 42 31 00-0013	EA	4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,380.23	553.80
33 42 31 00-0014	EA	5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,119.45	646.09
33 42 31 00-0015	EA	6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,700.06	738.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 31 00-0016</b> <b>4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins</b> <small>(33 42 31 00-0003)</small>		
33 42 31 00-0017 EA 2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	2,303.40	332.28
33 42 31 00-0018 EA 3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	3,191.19	461.50
33 42 31 00-0019 EA 4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	3,895.62	599.95
33 42 31 00-0020 EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	4,498.53	692.25
33 42 31 00-0021 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	5,705.11	886.07
<b>33 42 31 00-0022</b> <b>Cast In Place, Catch Basin</b> <small>(33 42 31 00-0002)</small>		
Note: Inside span, overall depth. Includes concrete, forms, rebar (where required), finish and curing.		
<b>33 42 31 00-0023</b> <b>3' x 3', Cast In Place, Catch Basins</b> <small>(33 42 31 00-0022)</small>		
33 42 31 00-0024 EA 3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin .....	2,147.49	370.49
33 42 31 00-0025 EA 3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin .....	2,274.84	393.93
33 42 31 00-0026 EA 4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin .....	2,509.06	423.10
33 42 31 00-0027 EA 4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	2,812.27	468.33
33 42 31 00-0028 EA 5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,055.36	498.51
33 42 31 00-0029 EA 5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,194.76	522.78
33 42 31 00-0030 EA 6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,438.01	552.97
33 42 31 00-0031 EA 6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,574.14	577.33
33 42 31 00-0032 EA 7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,818.91	607.42
33 42 31 00-0033 EA 7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,956.80	631.78
33 42 31 00-0034 EA 8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,199.98	661.97
33 42 31 00-0035 VLF >8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	525.02	82.70
<b>33 42 31 00-0036</b> <b>3'-6" x 3'-6", Cast In Place, Catch Basins</b> <small>(33 42 31 00-0022)</small>		
33 42 31 00-0037 EA 3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	2,464.41	428.27
33 42 31 00-0038 EA 3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	2,625.37	458.36
33 42 31 00-0039 EA 4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	2,868.62	488.54
33 42 31 00-0040 EA 4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	3,222.89	541.06
33 42 31 00-0041 EA 5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	3,487.36	575.21
33 42 31 00-0042 EA 5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	3,647.97	603.54
33 42 31 00-0043 EA 6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	3,915.52	637.70
33 42 31 00-0044 EA 6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,076.12	666.03
33 42 31 00-0045 EA 7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,342.02	700.18
33 42 31 00-0046 EA 7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,502.79	728.52
33 42 31 00-0047 EA 8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,768.75	762.67
33 42 31 00-0048 VLF >8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	596.12	95.34
<b>33 42 31 00-0049</b> <b>4' x 4', Cast In Place, Catch Basins</b> <small>(33 42 31 00-0022)</small>		
33 42 31 00-0050 EA 3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin .....	2,803.68	489.92
33 42 31 00-0051 EA 3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin .....	2,973.67	521.03
33 42 31 00-0052 EA 4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin .....	3,249.03	557.86
33 42 31 00-0053 EA 4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,654.91	617.76
33 42 31 00-0054 EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,943.78	655.87
33 42 31 00-0055 EA 5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,127.15	688.28
33 42 31 00-0056 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,416.02	726.39
33 42 31 00-0057 EA 6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,599.25	758.79
33 42 31 00-0058 EA 7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,888.11	796.92
33 42 31 00-0059 EA 7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,071.49	829.31
33 42 31 00-0060 EA 8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,360.36	867.52
33 42 31 00-0061 VLF >8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	670.02	108.45
<b>33 42 31 00-0062</b> <b>4'-6" x 4'-6", Cast In Place, Catch Basins</b> <small>(33 42 31 00-0022)</small>		
33 42 31 00-0063 EA 3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	3,232.62	568.10
33 42 31 00-0064 EA 3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	3,431.01	600.22
33 42 31 00-0065 EA 4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	3,733.20	641.76
33 42 31 00-0066 EA 4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,196.05	709.87
33 42 31 00-0067 EA 5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,513.95	752.89
33 42 31 00-0068 EA 5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,726.49	790.08
33 42 31 00-0069 EA 6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,044.56	833.09
33 42 31 00-0070 EA 6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,257.09	870.38
33 42 31 00-0071 EA 7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,574.99	913.39
33 42 31 00-0072 EA 7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,786.02	950.59
33 42 31 00-0073 EA 8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	6,105.60	993.60
33 42 31 00-0074 VLF >8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	763.25	124.23
<b>33 42 31 00-0075</b> <b>5' x 5', Cast In Place, Catch Basins</b> <small>(33 42 31 00-0022)</small>		
33 42 31 00-0076 EA 4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin .....	4,171.12	720.58
33 42 31 00-0077 EA 4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,686.59	796.27
33 42 31 00-0078 EA 5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,029.25	843.43
33 42 31 00-0079 EA 5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,265.02	884.78
33 42 31 00-0080 EA 6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,604.52	931.85
33 42 31 00-0081 EA 6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,841.80	973.20

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0082	EA		7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,182.96	1,020.37
33 42 31 00-0083	EA		7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,417.07	1,061.71
33 42 31 00-0084	EA		8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,759.73	1,108.79
33 42 31 00-0085	VLF		>8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	1,349.08	138.63
<b>33 42 31 00-0086</b>			<b>5'-6" x 5'-6", Cast In Place, Catch Basins</b> (33 42 31 00-0022)		
33 42 31 00-0087	EA		4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	4,630.19	803.56
33 42 31 00-0088	EA		4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,371.31	909.61
33 42 31 00-0089	EA		5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,747.74	962.04
33 42 31 00-0090	EA		5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,017.32	1,009.02
33 42 31 00-0091	EA		6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,395.43	1,061.81
33 42 31 00-0092	EA		6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	6,666.50	1,108.79
33 42 31 00-0093	EA		7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,042.94	1,161.58
33 42 31 00-0094	EA		7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	7,312.50	1,208.57
33 42 31 00-0095	EA		8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,688.95	1,261.36
33 42 31 00-0096	VLF		>8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	961.12	157.65
<b>33 42 31 00-0097</b>			<b>6' x 6', Cast In Place, Catch Basins</b> (33 42 31 00-0022)		
33 42 31 00-0098	EA		4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin .....	5,113.67	890.41
33 42 31 00-0099	EA		4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,930.27	1,006.80
33 42 31 00-0100	EA		5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,332.02	1,063.84
33 42 31 00-0101	EA		5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,626.73	1,115.07
33 42 31 00-0102	EA		6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	7,026.98	1,172.10
33 42 31 00-0103	EA		6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	7,323.35	1,223.33
33 42 31 00-0104	EA		7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	7,723.43	1,280.38
33 42 31 00-0105	EA		7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	8,018.31	1,331.60
33 42 31 00-0106	EA		8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	8,420.06	1,388.64
33 42 31 00-0107	VLF		>8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	1,052.55	173.62
<b>33 42 31 00-0108</b>			<b>6'-6" x 6'-6", Cast In Place, Catch Basins</b> (33 42 31 00-0022)		
33 42 31 00-0109	EA		4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	5,618.32	981.42
33 42 31 00-0110	EA		4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	6,730.50	1,137.03
33 42 31 00-0111	EA		5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	7,169.30	1,200.16
33 42 31 00-0112	EA		5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	7,502.64	1,257.48
33 42 31 00-0113	EA		6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,941.42	1,320.53
33 42 31 00-0114	EA		6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	8,274.76	1,377.93
33 42 31 00-0115	EA		7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	8,713.55	1,440.97
33 42 31 00-0116	EA		7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	9,046.87	1,498.29
33 42 31 00-0117	EA		8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	9,487.34	1,561.43
33 42 31 00-0118	VLF		>8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	1,185.86	195.21
<b>33 42 31 00-0119</b>			<b>7' x 7', Cast In Place, Catch Basins</b> (33 42 31 00-0022)		
33 42 31 00-0120	EA		4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin .....	6,145.88	1,076.40
33 42 31 00-0121	EA		4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	7,363.11	1,246.22
33 42 31 00-0122	EA		5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	7,827.76	1,313.78
33 42 31 00-0123	EA		5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	8,185.37	1,375.44
33 42 31 00-0124	EA		6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	8,651.45	1,442.92
33 42 31 00-0125	EA		6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	9,009.05	1,504.66
33 42 31 00-0126	EA		7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	9,473.71	1,572.13
33 42 31 00-0127	EA		7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	9,832.83	1,633.88
33 42 31 00-0128	EA		8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	10,297.39	1,701.35
33 42 31 00-0129	VLF		>8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	1,287.22	212.66
<b>33 42 31 00-0130</b>			<b>7'-6" x 7'-6", Cast In Place, Catch Basins</b> (33 42 31 00-0022)		
33 42 31 00-0131	EA		4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	6,944.45	1,208.10
33 42 31 00-0132	EA		4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	8,021.65	1,359.85
33 42 31 00-0133	EA		5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	8,510.51	1,431.75
33 42 31 00-0134	EA		5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	8,895.49	1,497.83
33 42 31 00-0135	EA		6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	9,385.74	1,569.73
33 42 31 00-0136	EA		6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	9,770.72	1,635.82
33 42 31 00-0137	EA		7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	10,259.58	1,707.71
33 42 31 00-0138	EA		7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	10,644.55	1,773.81
33 42 31 00-0139	EA		8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	11,134.90	1,845.71
33 42 31 00-0140	VLF		>8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	1,391.83	230.75
<b>33 42 31 00-0141</b>			<b>8' x 8', Cast In Place, Catch Basins</b> (33 42 31 00-0022)		
33 42 31 00-0142	EA		4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin .....	7,541.17	1,314.43
33 42 31 00-0143	EA		4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	8,704.29	1,477.89
33 42 31 00-0144	EA		5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	9,218.93	1,554.14
33 42 31 00-0145	EA		5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	9,629.77	1,624.65
33 42 31 00-0146	EA		6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	10,144.32	1,700.89
33 42 31 00-0147	EA		6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	10,552.14	1,771.41
33 42 31 00-0148	EA		7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	11,069.70	1,847.64
33 42 31 00-0149	EA		7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	11,480.54	1,918.16



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Stormwater Utilities</b>	<b>33 40</b>	
<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0150 EA 8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	11,986.90	1,994.40
33 42 31 00-0151 VLF >8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	1,499.39	249.30
<b>33 42 31 00-0152 Precast Concrete Catch Basins (33 42 31 00-0002)</b>		
Note: Inside dimensions.		
<b>33 42 31 00-0153 1'-6" Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0154 EA 4' Deep, 1'-6" Diameter Precast Catch Basins.....	645.52	195.61
33 42 31 00-0155 EA 6' Deep, 1'-6" Diameter Precast Catch Basins.....	895.83	293.41
33 42 31 00-0156 EA 8' Deep, 1'-6" Diameter Precast Catch Basins.....	1,133.42	381.43
33 42 31 00-0157 EA 10' Deep, 1'-6" Diameter Precast Catch Basins.....	1,358.40	450.88
33 42 31 00-0158 EA 12' Deep, 1'-6" Diameter Precast Catch Basins.....	1,671.01	572.16
33 42 31 00-0159 EA 14' Deep, 1'-6" Diameter Precast Catch Basins.....	1,910.99	660.18
33 42 31 00-0160 VLF Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins.....	132.93	44.02
<b>33 42 31 00-0161 2' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0162 EA 4' Deep, 2' Diameter Precast Catch Basin.....	736.11	217.62
33 42 31 00-0163 EA 6' Deep, 2' Diameter Precast Catch Basin.....	1,015.87	322.75
33 42 31 00-0164 EA 8' Deep, 2' Diameter Precast Catch Basin.....	1,280.34	425.45
33 42 31 00-0165 EA 10' Deep, 2' Diameter Precast Catch Basin.....	1,529.71	496.35
33 42 31 00-0166 EA 12' Deep, 2' Diameter Precast Catch Basin.....	1,892.83	635.73
33 42 31 00-0167 EA 14' Deep, 2' Diameter Precast Catch Basin.....	2,161.97	733.53
33 42 31 00-0168 VLF Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin .....	150.42	52.81
<b>33 42 31 00-0169 3' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0170 EA 4' Deep, 3' Diameter Precast Catch Basin.....	975.18	256.74
33 42 31 00-0171 EA 6' Deep, 3' Diameter Precast Catch Basin.....	1,327.55	379.48
33 42 31 00-0172 EA 8' Deep, 3' Diameter Precast Catch Basin.....	1,664.92	501.24
33 42 31 00-0173 EA 10' Deep, 3' Diameter Precast Catch Basin.....	2,073.55	625.95
33 42 31 00-0174 EA 12' Deep, 3' Diameter Precast Catch Basin.....	2,448.29	746.25
33 42 31 00-0175 EA 14' Deep, 3' Diameter Precast Catch Basin.....	2,809.52	868.50
33 42 31 00-0176 VLF Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin .....	193.00	62.03
<b>33 42 31 00-0177 4' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0178 EA 4' Deep, 4' Diameter Precast Catch Basin.....	1,182.60	285.59
33 42 31 00-0179 EA 6' Deep, 4' Diameter Precast Catch Basin.....	1,535.76	391.22
33 42 31 00-0180 EA 8' Deep, 4' Diameter Precast Catch Basin.....	2,049.19	586.82
33 42 31 00-0181 EA 10' Deep, 4' Diameter Precast Catch Basin.....	2,557.05	733.53
33 42 31 00-0182 EA 12' Deep, 4' Diameter Precast Catch Basin.....	3,021.17	880.24
33 42 31 00-0183 EA 14' Deep, 4' Diameter Precast Catch Basin.....	3,470.02	1,026.95
33 42 31 00-0184 VLF Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin .....	237.79	73.36
<b>33 42 31 00-0185 5' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0186 EA 4' Deep, 5' Diameter Precast Catch Basin.....	1,591.30	391.22
33 42 31 00-0187 EA 6' Deep, 5' Diameter Precast Catch Basin.....	2,172.60	586.82
33 42 31 00-0188 EA 8' Deep, 5' Diameter Precast Catch Basin.....	2,756.80	782.43
33 42 31 00-0189 EA 10' Deep, 5' Diameter Precast Catch Basin.....	3,369.38	978.04
33 42 31 00-0190 EA 12' Deep, 5' Diameter Precast Catch Basin.....	3,972.51	1,173.65
33 42 31 00-0191 EA 14' Deep, 5' Diameter Precast Catch Basin.....	4,622.30	1,369.26
33 42 31 00-0192 VLF Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin .....	316.36	97.80
<b>33 42 31 00-0193 6' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0194 EA 4' Deep, 6' Diameter Precast Catch Basin.....	2,326.88	586.82
33 42 31 00-0195 EA 6' Deep, 6' Diameter Precast Catch Basin.....	3,144.59	880.24
33 42 31 00-0196 EA 8' Deep, 6' Diameter Precast Catch Basin.....	4,020.67	1,173.65
33 42 31 00-0197 EA 10' Deep, 6' Diameter Precast Catch Basin.....	5,010.41	1,467.06
33 42 31 00-0198 EA 12' Deep, 6' Diameter Precast Catch Basin.....	5,969.30	1,760.48
33 42 31 00-0199 EA 14' Deep, 6' Diameter Precast Catch Basin.....	6,904.98	2,053.89
33 42 31 00-0200 VLF Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin .....	471.47	146.71
<b>33 42 31 00-0201 Precast Catch Basins Accessories (33 42 31 00-0152)</b>		
33 42 31 00-0202 EA Single Or Double Wing Slab Top With Throat.....	1,370.62	635.73
33 42 31 00-0203 EA 4' x 4' Weir Box, Precast Catch Basin.....	654.81	78.25
33 42 31 00-0204 EA 4' Diameter Inlet Round To Square Adapter, Precast Catch Basin.....	363.47	83.13
33 42 31 00-0205 EA 3' Diameter, Up To 6" High, Precast Extension Ring.....	451.26	122.25
For Each Additional Inch In Height, Add	54.82	
33 42 31 00-0206 EA 4' Diameter, Up To 6" High, Precast Extension Ring.....	532.01	146.71
For Each Additional Inch In Height, Add	64.20	
33 42 31 00-0207 EA 5' Diameter, Up To 6" High, Precast Extension Ring.....	620.56	171.16
For Each Additional Inch In Height, Add	74.93	
33 42 31 00-0208 EA 6' Diameter, Up To 6" High, Precast Extension Ring.....	773.32	244.51
For Each Additional Inch In Height, Add	88.18	
33 42 31 00-0209 EA Adjust Existing Catch Basin Inlet Grate To Match Grade .....	586.79	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0210			<b>Catch Basin Risers</b> (33 42 31 00-0152)		
33 42 31 00-0211	EA		Up To 860 Square Inch, Up to 2" Rise, Catch Basin Riser .....	384.36	
33 42 31 00-0212	EA		>860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser .....	430.71	
33 42 31 00-0213	EA		>1140 Square Inch, Up To 2" Rise, Catch Basin Riser .....	485.86	
33 42 31 00-0214	EA		Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser .....	414.00	
33 42 31 00-0215	EA		>860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser .....	463.45	
33 42 31 00-0216	EA		>1140 Square Inch, >2" To 3" Rise, Catch Basin Riser .....	524.60	
33 42 31 00-0217	EA		Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser .....	458.73	
33 42 31 00-0218	EA		>860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser .....	502.58	
33 42 31 00-0219	EA		>1140 Square Inch, >3" To 4" Rise, Catch Basin Riser .....	563.92	
33 42 31 00-0220			<b>Cast In Place, Storm Drain Cleanout</b> (33 42 31 00-0002)		
			Note: Inside span.		
33 42 31 00-0221	EA		6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout .....	4,543.69	730.82
33 42 31 00-0222	EA		6' Deep, 4' x 5' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout .....	5,162.65	834.02
33 42 31 00-0223	EA		6' Deep, 4' x 6' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout .....	5,854.32	946.52
33 42 31 00-0224	EA		7' Deep, 4' x 7' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout .....	7,028.79	1,135.47
33 42 31 00-0225	EA		8' Deep, 4' x 8' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout .....	8,526.04	1,370.83
33 42 31 00-0226			<b>Precast Concrete Inlet Boxes</b> (33 42 31 00-0002)		
			Note: Inside dimensions.		
33 42 31 00-0227			<b>Precast Concrete Inlet Boxes</b> (33 42 31 00-0226)		
33 42 31 00-0228			<b>24" x 24" ID, Precast Concrete Inlet Boxes</b> (33 42 31 00-0227)		
			Note: Yard inlet.		
33 42 31 00-0229			<b>24" x 24" ID, Precast Concrete Inlet Boxes</b> (33 42 31 00-0228)		
33 42 31 00-0230	EA		24" Height, 24" x 24" ID, Precast Concrete Inlet Box .....	685.87	68.46
33 42 31 00-0231	EA		30" Height, 24" x 24" ID, Precast Concrete Inlet Box .....	806.70	83.13
33 42 31 00-0232	EA		36" Height, 24" x 24" ID, Precast Concrete Inlet Box .....	927.53	97.80
33 42 31 00-0233	EA		42" Height, 24" x 24" ID, Precast Concrete Inlet Box .....	1,049.58	113.09
33 42 31 00-0234			<b>24" x 24" ID, Precast Concrete Inlet Box Risers</b> (33 42 31 00-0228)		
33 42 31 00-0235	EA		6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	174.62	
33 42 31 00-0236	EA		12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	280.78	
33 42 31 00-0237	EA		18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	396.72	
33 42 31 00-0238	EA		24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	512.67	
33 42 31 00-0239	EA		30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	628.61	
33 42 31 00-0240	EA		36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	744.55	
33 42 31 00-0241			<b>22" x 48" ID, Precast Concrete Inlet Boxes</b> (33 42 31 00-0227)		
33 42 31 00-0242			<b>22" x 48" ID, Precast Concrete Inlet Boxes</b> (33 42 31 00-0241)		
33 42 31 00-0243	EA		36" Height, 22" x 48" ID, Precast Concrete Inlet Box .....	1,412.33	191.80
33 42 31 00-0244	EA		42" Height, 22" x 48" ID, Precast Concrete Inlet Box .....	1,589.50	221.76
33 42 31 00-0245	EA		48" Height, 22" x 48" ID, Precast Concrete Inlet Box .....	1,766.69	251.74
33 42 31 00-0246	EA		54" Height, 22" x 48" ID, Precast Concrete Inlet Box .....	1,944.00	281.77
33 42 31 00-0247	EA		60" Height, 22" x 48" ID, Precast Concrete Inlet Box .....	2,121.34	311.82
33 42 31 00-0248	EA		66" Height, 22" x 48" ID, Precast Concrete Inlet Box .....	2,298.66	341.86
33 42 31 00-0249	EA		72" Height, 22" x 48" ID, Precast Concrete Inlet Box .....	2,475.98	371.89
33 42 31 00-0250			<b>22" x 48" ID, Precast Concrete Inlet Box Risers</b> (33 42 31 00-0241)		
33 42 31 00-0251	EA		6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	342.12	
33 42 31 00-0252	EA		12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	547.31	
33 42 31 00-0253	EA		18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	596.24	
33 42 31 00-0254	EA		24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	762.39	
33 42 31 00-0255	EA		30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	928.54	
33 42 31 00-0256	EA		36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	1,087.06	
33 42 31 00-0257	EA		42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	1,264.24	
33 42 31 00-0258	EA		48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	1,441.42	
33 42 31 00-0259	EA		54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	1,618.74	
33 42 31 00-0260	EA		60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	1,796.07	
33 42 31 00-0261	EA		66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	1,973.40	
33 42 31 00-0262	EA		72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	2,150.72	
33 42 31 00-0263			<b>30" x 48" ID, Precast Concrete Inlet Boxes</b> (33 42 31 00-0227)		
33 42 31 00-0264			<b>30" x 48" ID, Precast Concrete Inlet Boxes</b> (33 42 31 00-0263)		
33 42 31 00-0265	EA		36" Height, 30" x 48" ID, Precast Concrete Inlet Box .....	1,365.02	210.98
33 42 31 00-0266	EA		42" Height, 30" x 48" ID, Precast Concrete Inlet Box .....	1,542.86	243.94
33 42 31 00-0267	EA		48" Height, 30" x 48" ID, Precast Concrete Inlet Box .....	1,720.71	276.91
33 42 31 00-0268	EA		54" Height, 30" x 48" ID, Precast Concrete Inlet Box .....	1,898.70	309.95
33 42 31 00-0269	EA		60" Height, 30" x 48" ID, Precast Concrete Inlet Box .....	2,076.70	342.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0270 EA 66" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,254.70	376.04
33 42 31 00-0271 EA 72" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,432.70	409.08
<b>33 42 31 00-0272 30" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0263)</b>		
33 42 31 00-0273 EA 6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	339.52	
33 42 31 00-0274 EA 12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	537.11	
33 42 31 00-0275 EA 18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	586.98	
33 42 31 00-0276 EA 24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	749.72	
33 42 31 00-0277 EA 30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	912.46	
33 42 31 00-0278 EA 36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	1,074.23	
33 42 31 00-0279 EA 42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	1,249.44	
33 42 31 00-0280 EA 48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	1,423.67	
33 42 31 00-0281 EA 54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	1,598.88	
33 42 31 00-0282 EA 60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	1,773.12	
33 42 31 00-0283 EA 66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	1,948.33	
33 42 31 00-0284 EA 72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	2,123.52	
<b>33 42 31 00-0285 42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>		
<b>33 42 31 00-0286 42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0285)</b>		
33 42 31 00-0287 EA 36" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,621.08	230.15
33 42 31 00-0288 EA 42" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,829.85	267.56
33 42 31 00-0289 EA 48" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,038.62	305.91
33 42 31 00-0290 EA 54" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,246.43	343.32
33 42 31 00-0291 EA 60" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,455.21	381.67
33 42 31 00-0292 EA 66" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,663.98	419.08
33 42 31 00-0293 EA 72" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,871.79	456.47
<b>33 42 31 00-0294 42" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0285)</b>		
33 42 31 00-0295 EA 6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	374.05	
33 42 31 00-0296 EA 12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	604.25	
33 42 31 00-0297 EA 18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	655.57	
33 42 31 00-0298 EA 24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	839.89	
33 42 31 00-0299 EA 30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	1,024.20	
33 42 31 00-0300 EA 36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	1,208.53	
33 42 31 00-0301 EA 42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	1,405.79	
33 42 31 00-0302 EA 48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	1,603.05	
33 42 31 00-0303 EA 54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	1,800.31	
33 42 31 00-0304 EA 60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	1,997.59	
33 42 31 00-0305 EA 66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	2,194.85	
33 42 31 00-0306 EA 72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	2,392.11	
<b>33 42 31 00-0307 42" x 48" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0285)</b>		
33 42 31 00-0308 EA 42" x 48" ID, Precast Concrete Inlet Box Top Slab.....	921.17	143.84
<b>33 42 31 00-0309 48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>		
<b>33 42 31 00-0310 48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0309)</b>		
33 42 31 00-0311 EA 36" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,291.72	255.73
33 42 31 00-0312 EA 42" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,569.74	297.76
33 42 31 00-0313 EA 48" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,847.76	339.80
33 42 31 00-0314 EA 54" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,125.49	381.67
33 42 31 00-0315 EA 60" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,403.20	423.56
33 42 31 00-0316 EA 66" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,680.92	465.44
33 42 31 00-0317 EA 72" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,958.65	507.32
<b>33 42 31 00-0318 48" x 54" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0309)</b>		
33 42 31 00-0319 EA 6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	376.17	
33 42 31 00-0320 EA 12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	595.69	
33 42 31 00-0321 EA 18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	869.57	
33 42 31 00-0322 EA 24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	1,143.44	
33 42 31 00-0323 EA 30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	1,401.33	
33 42 31 00-0324 EA 36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	1,675.20	
33 42 31 00-0325 EA 42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	1,953.23	
33 42 31 00-0326 EA 48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	2,231.25	
33 42 31 00-0327 EA 54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	2,508.98	
33 42 31 00-0328 EA 60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	2,786.69	
33 42 31 00-0329 EA 66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	3,064.41	
33 42 31 00-0330 EA 72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	3,342.14	
<b>33 42 31 00-0331 48" x 54" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0309)</b>		
33 42 31 00-0332 EA 48" x 54" ID, Precast Concrete Inlet Box Top Slab.....	1,001.10	155.84

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 31 00-0333	48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0334	48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0333)		
33 42 31 00-0335	EA 36" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,645.10	322.22
33 42 31 00-0336	EA 42" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,951.68	376.05
33 42 31 00-0337	EA 48" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,258.26	429.89
33 42 31 00-0338	EA 54" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,564.26	483.43
33 42 31 00-0339	EA 60" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,870.24	536.97
33 42 31 00-0340	EA 66" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	4,176.22	590.50
33 42 31 00-0341	EA 72" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	4,482.21	644.04
33 42 31 00-0342	48" x 66" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0333)		
33 42 31 00-0343	EA 6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	413.72	
33 42 31 00-0344	EA 12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	639.48	
33 42 31 00-0345	EA 18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	945.80	
33 42 31 00-0346	EA 24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	1,252.11	
33 42 31 00-0347	EA 30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	1,531.58	
33 42 31 00-0348	EA 36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	1,837.91	
33 42 31 00-0349	EA 42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	2,144.49	
33 42 31 00-0350	EA 48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	2,451.07	
33 42 31 00-0351	EA 54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	2,757.06	
33 42 31 00-0352	EA 60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	3,063.04	
33 42 31 00-0353	EA 66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	3,369.02	
33 42 31 00-0354	EA 72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	3,675.01	
33 42 31 00-0355	48" x 66" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0333)		
33 42 31 00-0356	EA 48" x 66" ID, Precast Concrete Inlet Box Top Slab.....	1,113.14	174.53
33 42 31 00-0357	42" x 102" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0358	42" x 102" ID, Precast Concrete Inlet Boxes (33 42 31 00-0357)		
33 42 31 00-0359	EA 36" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	3,316.43	434.42
33 42 31 00-0360	EA 42" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	3,704.74	506.35
33 42 31 00-0361	EA 48" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	4,093.06	577.31
33 42 31 00-0362	EA 54" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	4,480.41	649.23
33 42 31 00-0363	EA 60" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	4,868.73	720.20
33 42 31 00-0364	EA 66" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	5,256.08	791.16
33 42 31 00-0365	EA 72" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	5,645.34	863.09
33 42 31 00-0366	42" x 102" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0357)		
33 42 31 00-0367	EA 6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	555.18	
33 42 31 00-0368	EA 12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	843.76	
33 42 31 00-0369	EA 18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	1,225.35	
33 42 31 00-0370	EA 24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	1,606.96	
33 42 31 00-0371	EA 30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	1,960.74	
33 42 31 00-0372	EA 36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	2,342.34	
33 42 31 00-0373	EA 42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	2,730.66	
33 42 31 00-0374	EA 48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	3,118.97	
33 42 31 00-0375	EA 54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	3,506.33	
33 42 31 00-0376	EA 60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	3,894.64	
33 42 31 00-0377	EA 66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	4,281.99	
33 42 31 00-0378	EA 72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	4,670.31	
33 42 31 00-0379	42" x 102" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0357)		
33 42 31 00-0380	EA 42" x 102" ID, Precast Concrete Inlet Box Top Slab.....	1,512.77	191.80
33 42 31 00-0381	Frames And Grates For Inlets (33 42 31 00-0226)		
33 42 31 00-0382	Inlet Frames And Grates (33 42 31 00-0381)		
33 42 31 00-0383	EA 24" x 24", Heavy Duty Inlet Grate..... Note: For type A, B, D, or E inlets.	388.43	44.71
33 42 31 00-0384	EA 47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT)..... Note: For type A, B, D, or E inlets.	507.30	44.71
33 42 31 00-0385	EA 47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT)..... Note: Includes legend: Dump No Waste "Drains To Waterways".	507.30	44.71
33 42 31 00-0386	EA Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT)..... Note: Legend: Dump No Waste "Drains To Waterways"	507.30	44.71
33 42 31 00-0387	EA Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362).....	557.05	44.71
33 42 31 00-0388	EA Type B Inlet Dirt Plate (US Foundry 5217 BK).....	397.73	89.42
33 42 31 00-0389	EA Back Plate For Type B Inlets (Campbell Foundry 2548-1942).....	467.38	89.42
33 42 31 00-0390	EA Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4)..... Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains To Waterways".	581.73	111.77
33 42 31 00-0391	EA 1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	492.19	111.77
33 42 31 00-0392	EA 2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	502.14	111.77





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0393 EA 2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	522.03	111.77
33 42 31 00-0394 EA 3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	541.93	111.77
33 42 31 00-0395 EA 2" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	522.03	111.77
33 42 31 00-0396 EA 2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	541.93	111.77
33 42 31 00-0397 EA 3" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	561.83	111.77
33 42 31 00-0398 EA 2" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	820.52	111.77
33 42 31 00-0399 EA 2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	860.32	111.77
33 42 31 00-0400 EA 3" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	900.12	111.77
33 42 31 00-0401 EA 2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701).....	601.63	111.77
33 42 31 00-0402 EA 6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6).....	541.93	111.77
33 42 31 00-0403 EA 8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8).....	541.93	111.77
33 42 31 00-0404 EA 6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6).....	1,140.64	111.77
33 42 31 00-0405 EA 8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8).....	1,140.64	111.77
33 42 31 00-0406 EA Safety Bars For Type B And D Inlets (General Foundries 5218 SB).....	444.89	122.95
33 42 31 00-0407 EA 6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648).....	633.93	122.95
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0408 EA 8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848).....	633.93	122.95
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0409 EA 10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048).....	703.58	122.95
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0410 EA Type B Inlet Frame (US Foundry 5216 FRM).....	813.02	122.95
33 42 31 00-0411 EA Type D Inlet Frame (US Foundry 2999 FRM).....	693.63	122.95
33 42 31 00-0412 EA Type B Inlet Frame (Campbell Foundry 2618-0202).....	1,002.06	122.95
33 42 31 00-0413 EA Type D Inlet Frame (Campbell Foundry 2617-0002).....	882.67	122.95
33 42 31 00-0414 EA Type A Inlet, Single Frame And Grate (US Foundry 52340).....	1,133.75	178.84
33 42 31 00-0415 EA Type E Inlet, Single Frame And Grate (US Foundry 52342).....	1,850.11	178.84
33 42 31 00-0416 EA Type A Inlet, Single Frame And Grate (General Foundries 52340).....	1,103.90	178.84
33 42 31 00-0417 EA Type E Inlet, Double Frame And Grate (General Foundries 52342).....	1,756.59	178.84
33 42 31 00-0418 EA Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340).....	1,859.80	268.27
33 42 31 00-0419 EA Heavy Duty Rectangular Frame And Grate (Campbell Foundry 3084).....	1,888.38	357.69
33 42 31 00-0420 EA 6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186).....	2,078.44	357.69
33 42 31 00-0421 EA 8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198).....	2,078.44	357.69
33 42 31 00-0422 EA 6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266).....	1,829.70	357.69
33 42 31 00-0423 EA 8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268).....	1,829.70	357.69
33 42 31 00-0424 EA Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198).....	2,158.04	357.69
<b>33 42 31 00-0425 Catch Basin Frames And Covers (33 42 31 00-0001)</b>		
<b>33 42 31 00-0426 Cast Iron Frames And Covers (33 42 31 00-0425)</b>		
33 42 31 00-0427 EA 18" Diameter Cast Iron Catch Basin Frame And Cover.....	620.67	97.80
33 42 31 00-0428 EA 22" Diameter Cast Iron Catch Basin Frame And Cover.....	779.87	110.52
33 42 31 00-0429 EA 24" Diameter Cast Iron Catch Basin Frame And Cover.....	878.48	114.43
33 42 31 00-0430 EA 26" Diameter Cast Iron Catch Basin Frame And Cover.....	988.29	133.01
33 42 31 00-0431 EA 28" Diameter Cast Iron Catch Basin Frame And Cover.....	1,153.05	151.59
33 42 31 00-0432 EA 32" Diameter Cast Iron Catch Basin Frame And Cover.....	1,818.28	158.44
33 42 31 00-0433 EA 16" x 16" Cast Iron Catch Basin Frame And Cover.....	993.51	120.30
33 42 31 00-0434 EA 18" x 24" Cast Iron Catch Basin Frame And Cover.....	1,288.81	138.89
33 42 31 00-0435 EA 20" x 27" Cast Iron Catch Basin Frame And Cover.....	1,453.12	144.75
33 42 31 00-0436 EA 23" x 23" Cast Iron Catch Basin Frame And Cover.....	1,375.82	144.75
33 42 31 00-0437 EA 24" x 24" Cast Iron Catch Basin Frame And Cover.....	1,422.41	150.62
33 42 31 00-0438 EA 26" x 26" Cast Iron Catch Basin Frame And Cover.....	1,525.69	156.48
33 42 31 00-0439 EA 24" x 36" Cast Iron Catch Basin Frame And Cover.....	1,827.22	168.23
<b>33 42 31 00-0440 Area Yard Drain (33 42 31 00-0001)</b>		
<b>33 42 31 00-0441 Ductile Iron Grates (33 42 31 00-0440)</b>		
Note: Not for traffic loading.		
33 42 31 00-0442 EA 8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe.....	162.49	33.33
33 42 31 00-0443 EA 10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe.....	202.21	35.56
33 42 31 00-0444 EA 12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe.....	492.19	44.44
33 42 31 00-0445 EA 15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe.....	587.99	53.33
<b>33 42 31 00-0446 Concrete Drainage Inlet Structures (CALTRANS) (33 42 31 00-0001)</b>		
<b>33 42 31 00-0447 Type OS Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0448 EA 3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,554.02	
33 42 31 00-0449 EA 4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,968.52	
33 42 31 00-0450 EA 5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,353.89	
33 42 31 00-0451 EA 6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,710.11	
33 42 31 00-0452 EA 7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,037.20	
33 42 31 00-0453 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,335.15	
33 42 31 00-0454 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	5,898.89	
33 42 31 00-0455 EA 10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,878.63	
33 42 31 00-0456 EA 12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,783.70	
33 42 31 00-0457 EA 14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,616.09	
33 42 31 00-0458 EA 16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,419.48	
33 42 31 00-0459 EA 18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,159.44	
33 42 31 00-0460 EA 20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,835.97	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 31 00-0461</b>			<b>Type OL-7 Concrete Drainage Inlet Structure</b> <small>(33 42 31 00-0446)</small>		
	EA		3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,477.83	
	EA		4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,865.69	
	EA		5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,224.41	
	EA		6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,553.99	
	EA		7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,853.45	
	EA		8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,124.77	
	EA		8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,642.06	
	EA		10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,599.07	
	EA		12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,481.44	
	EA		14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,290.13	
	EA		16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,073.99	
	EA		18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,794.41	
	EA		20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,451.40	
<b>33 42 31 00-0475</b>			<b>Type OL-10 Concrete Drainage Inlet Structure</b> <small>(33 42 31 00-0446)</small>		
	EA		3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,329.17	
	EA		4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,692.68	
	EA		5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,026.09	
	EA		6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,331.33	
	EA		7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,606.46	
	EA		8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,852.45	
	EA		8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,385.24	
	EA		10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,318.55	
	EA		12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,179.18	
	EA		14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,965.15	
	EA		16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,728.49	
	EA		18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,429.37	
	EA		20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,065.85	
<b>33 42 31 00-0489</b>			<b>Type OL-14 Concrete Drainage Inlet Structure</b> <small>(33 42 31 00-0446)</small>		
	EA		3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,542.78	
	EA		4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,870.45	
	EA		5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,169.00	
	EA		6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,438.39	
	EA		7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,678.66	
	EA		8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,889.78	
	EA		8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,438.05	
	EA		10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,339.11	
	EA		12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,166.50	
	EA		14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,920.22	
	EA		16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,656.77	
	EA		18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,328.91	
	EA		20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,937.62	
<b>33 42 31 00-0503</b>			<b>Type OL-21 Concrete Drainage Inlet Structure</b> <small>(33 42 31 00-0446)</small>		
	EA		3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,006.23	
	EA		4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,262.55	
	EA		5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,489.72	
	EA		6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,687.75	
	EA		7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,855.67	
	EA		8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,995.43	
	EA		8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,497.25	
	EA		10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,334.78	
	EA		12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,098.64	
	EA		14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,788.82	
	EA		16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,470.64	
	EA		18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,088.05	
	EA		20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,642.02	
<b>33 42 31 00-0517</b>			<b>Type GOL-7 Concrete Drainage Inlet Structure</b> <small>(33 42 31 00-0446)</small>		
	EA		3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,220.48	
	EA		4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,648.72	
	EA		5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,043.54	
	EA		6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,404.95	
	EA		7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,733.95	
	EA		8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,030.50	
	EA		8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,679.41	
	EA		10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,745.35	
	EA		12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,728.48	
	EA		14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,627.80	
	EA		16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,501.05	
	EA		18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,302.94	
	EA		20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,032.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 31 00-0531 Type GOL-10 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0532	EA	3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....5,144.27
33 42 31 00-0533	EA	4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....5,544.89
33 42 31 00-0534	EA	5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....5,913.08
33 42 31 00-0535	EA	6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....6,248.84
33 42 31 00-0536	EA	7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....6,551.18
33 42 31 00-0537	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....6,820.12
33 42 31 00-0538	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....8,469.01
33 42 31 00-0539	EA	10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....9,510.29
33 42 31 00-0540	EA	12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....10,468.72
33 42 31 00-0541	EA	14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....11,344.35
33 42 31 00-0542	EA	16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....12,196.27
33 42 31 00-0543	EA	18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....12,976.86
33 42 31 00-0544	EA	20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....13,686.10

33 42 31 00-0545 Type G-1 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0546	EA	3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....1,720.80
33 42 31 00-0547	EA	4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....2,058.12
33 42 31 00-0548	EA	5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....2,371.12
33 42 31 00-0549	EA	6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....2,661.75
33 42 31 00-0550	EA	7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....2,930.02
33 42 31 00-0551	EA	8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....3,173.95

33 42 31 00-0552 Type G-2 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0553	EA	3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....2,372.89
33 42 31 00-0554	EA	4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....2,752.24
33 42 31 00-0555	EA	5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....3,104.95
33 42 31 00-0556	EA	6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....3,431.02
33 42 31 00-0557	EA	7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....3,730.46
33 42 31 00-0558	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....4,002.27
33 42 31 00-0559	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....5,418.94
33 42 31 00-0560	EA	10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....6,322.89
33 42 31 00-0561	EA	12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....7,159.09
33 42 31 00-0562	EA	14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....7,927.55
33 42 31 00-0563	EA	16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....8,669.30
33 42 31 00-0564	EA	18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....9,352.75
33 42 31 00-0565	EA	20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....9,976.93

33 42 31 00-0566 Type G-3 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0567	EA	3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....1,865.70
33 42 31 00-0568	EA	4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....2,198.43
33 42 31 00-0569	EA	5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....2,507.80
33 42 31 00-0570	EA	6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....2,794.82
33 42 31 00-0571	EA	7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....3,057.50
33 42 31 00-0572	EA	8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....3,297.82

33 42 31 00-0573 Type G-4_24 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0574	EA	3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....2,300.44
33 42 31 00-0575	EA	4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....2,682.09
33 42 31 00-0576	EA	5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....3,037.09
33 42 31 00-0577	EA	6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....3,364.49
33 42 31 00-0578	EA	7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....3,666.22
33 42 31 00-0579	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....3,940.34
33 42 31 00-0580	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....5,387.96
33 42 31 00-0581	EA	10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....6,293.56
33 42 31 00-0582	EA	12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....7,130.42
33 42 31 00-0583	EA	14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....7,899.54
33 42 31 00-0584	EA	16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....8,641.83
33 42 31 00-0585	EA	18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....9,325.80
33 42 31 00-0586	EA	20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....9,951.48

33 42 31 00-0587 Type G-4_18 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0588	EA	3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....2,372.89
33 42 31 00-0589	EA	4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....2,752.24
33 42 31 00-0590	EA	5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....3,104.95
33 42 31 00-0591	EA	6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....3,431.02
33 42 31 00-0592	EA	7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....3,730.46
33 42 31 00-0593	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....4,002.27
33 42 31 00-0594	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....5,418.94
33 42 31 00-0595	EA	10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....6,322.89
33 42 31 00-0596	EA	12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....7,159.09
33 42 31 00-0597	EA	14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....7,927.55
33 42 31 00-0598	EA	16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....8,669.30

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 31 00-0599	EA	18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,352.75	
	33 42 31 00-0600	EA	20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,976.93	
<b>33 42 31 00-0601</b>	<b>Type G-5 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>				
	33 42 31 00-0602	EA	3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	1,847.59	
	33 42 31 00-0603	EA	4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,180.64	
	33 42 31 00-0604	EA	5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,491.34	
	33 42 31 00-0605	EA	6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,777.70	
	33 42 31 00-0606	EA	7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,041.69	
	33 42 31 00-0607	EA	8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,282.33	
<b>33 42 31 00-0608</b>	<b>Type G-6 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>				
	33 42 31 00-0609	EA	3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	1,883.83	
	33 42 31 00-0610	EA	4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,216.22	
	33 42 31 00-0611	EA	5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,525.26	
	33 42 31 00-0612	EA	6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,810.96	
	33 42 31 00-0613	EA	7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,073.31	
	33 42 31 00-0614	EA	8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,313.29	
<b>33 42 31 00-0615</b>	<b>Type GT1 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>				
	33 42 31 00-0616	EA	3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,151.78	
	33 42 31 00-0617	EA	4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,672.03	
	33 42 31 00-0618	EA	5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,192.25	
	33 42 31 00-0619	EA	6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,603.41	
	33 42 31 00-0620	EA	7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,013.55	
	33 42 31 00-0621	EA	8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,387.96	
<b>33 42 31 00-0622</b>	<b>Type GT2 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>				
	33 42 31 00-0623	EA	3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,821.98	
	33 42 31 00-0624	EA	4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,388.46	
	33 42 31 00-0625	EA	5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,913.84	
	33 42 31 00-0626	EA	6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,399.09	
	33 42 31 00-0627	EA	7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,843.24	
	33 42 31 00-0628	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,247.26	
	33 42 31 00-0629	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,360.64	
	33 42 31 00-0630	EA	10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,693.37	
	33 42 31 00-0631	EA	12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,924.73	
	33 42 31 00-0632	EA	14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,055.68	
	33 42 31 00-0633	EA	16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	13,148.98	
	33 42 31 00-0634	EA	18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	14,154.92	
	33 42 31 00-0635	EA	20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	15,073.50	
<b>33 42 31 00-0636</b>	<b>Type GT3 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>				
	33 42 31 00-0637	EA	3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,133.65	
	33 42 31 00-0638	EA	4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,654.24	
	33 42 31 00-0639	EA	5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,139.09	
	33 42 31 00-0640	EA	6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,587.26	
	33 42 31 00-0641	EA	7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,997.73	
	33 42 31 00-0642	EA	8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,372.48	
<b>33 42 31 00-0643</b>	<b>Type GT4 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>				
	33 42 31 00-0644	EA	3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,948.78	
	33 42 31 00-0645	EA	4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,510.98	
	33 42 31 00-0646	EA	5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,033.08	
	33 42 31 00-0647	EA	6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,514.05	
	33 42 31 00-0648	EA	7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,954.90	
	33 42 31 00-0649	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,355.64	
	33 42 31 00-0650	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,376.12	
	33 42 31 00-0651	EA	10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,708.52	
	33 42 31 00-0652	EA	12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,939.55	
	33 42 31 00-0653	EA	14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,069.19	
	33 42 31 00-0654	EA	16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	13,162.24	
	33 42 31 00-0655	EA	18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	14,167.91	
	33 42 31 00-0656	EA	20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	15,086.21	
<b>33 42 31 00-0657</b>	<b>Type GO Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>				
	33 42 31 00-0658	EA	3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,246.10	
	33 42 31 00-0659	EA	4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,611.93	
	33 42 31 00-0660	EA	5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,951.79	
	33 42 31 00-0661	EA	6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,265.68	
	33 42 31 00-0662	EA	7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,553.57	
	33 42 31 00-0663	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,816.48	
	33 42 31 00-0664	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	5,248.62	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Stormwater Utilities</b>	<b>33 40</b>	
<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0665 EA 10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,125.61	
33 42 31 00-0666 EA 12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,935.33	
33 42 31 00-0667 EA 14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,679.74	
33 42 31 00-0668 EA 16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,399.55	
33 42 31 00-0669 EA 18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,061.24	
33 42 31 00-0670 EA 20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,666.77	
<b>33 42 31 00-0671 Type GDO Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0672 EA 3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,934.41	
33 42 31 00-0673 EA 4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,415.32	
33 42 31 00-0674 EA 5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,862.24	
33 42 31 00-0675 EA 6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,276.12	
33 42 31 00-0676 EA 7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,655.03	
33 42 31 00-0677 EA 8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,000.90	
33 42 31 00-0678 EA 8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,750.45	
33 42 31 00-0679 EA 10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,880.80	
33 42 31 00-0680 EA 12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,925.78	
33 42 31 00-0681 EA 14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,886.35	
33 42 31 00-0682 EA 16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,813.96	
33 42 31 00-0683 EA 18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	11,667.98	
33 42 31 00-0684 EA 20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	12,448.41	
<b>33 42 33 Stormwater Curbside Drains and Inlets (33 42)</b>		
<b>33 42 33 00-0001 Curb Inlet Frames And Covers (33 42 33)</b>		
<b>33 42 33 00-0002 Cast Iron Curb Inlet Frames And Covers (33 42 33 00-0001)</b>		
33 42 33 00-0003 EA 20" x 22" Cast Iron Curb Inlet Frame And Cover .....	1,233.24	114.43
33 42 33 00-0004 EA 22" x 24" Cast Iron Curb Inlet Frame And Cover .....	1,319.66	133.01
33 42 33 00-0005 EA 24" x 24" Cast Iron Curb Inlet Frame And Cover .....	1,370.30	133.01
33 42 33 00-0006 EA 27" x 27" Cast Iron Curb Inlet Frame And Cover .....	1,500.82	156.48
33 42 33 00-0007 EA 36" x 24" Cast Iron Curb Inlet Frame And Cover .....	1,487.39	167.24
<b>33 42 36 Stormwater Trench Drains (33 42)</b>		
<b>33 42 36 00-0001 Modular Trench Drains (33 42 36)</b>		
<b>33 42 36 00-0002 Modular Trench Drains (33 42 36 00-0001)</b>		
Note: Excludes grates. See CSI section 33 42 36 00-0118 for grates.		
<b>33 42 36 00-0003 4" Wide, Modular Trench Drains (33 42 36 00-0002)</b>		
<b>33 42 36 00-0004 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0003)</b>		
<b>33 42 36 00-0005 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0004)</b>		
33 42 36 00-0006 LF 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain (Zurn Z844-C).....	63.20	15.65
<i>For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i>		
	99.22	
<i>For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i>		
	198.45	
<i>For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i>		
	317.52	
<i>For Type 304 Stainless Steel Top Veneer Frame, Add</i>		
	79.38	
<i>For Aluminum Veneer Bronze Anodized Frame, Add</i>		
	39.69	
<b>33 42 36 00-0007 Outlet Adapters For 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0004)</b>		
33 42 36 00-0008 EA Closed End Cap For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain .....	48.50	
33 42 36 00-0009 EA No-Hub End Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain.....	58.28	
33 42 36 00-0010 EA No-Hub Bottom Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain .....	58.28	
<b>33 42 36 00-0011 6" Wide, Modular Trench Drains (33 42 36 00-0002)</b>		
<b>33 42 36 00-0012 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0011)</b>		
<b>33 42 36 00-0013 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0012)</b>		
33 42 36 00-0014 LF 6" Wide, High Density Polyethylene, Modular Trench Drain.....	200.95	15.65
<i>For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i>		
	99.22	
<i>For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i>		
	198.45	
<i>For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i>		
	317.52	
<i>For Type 304 Stainless Steel Top Veneer Frame, Add</i>		
	79.38	
<i>For Aluminum Veneer Bronze Anodized Frame, Add</i>		
	39.69	
<b>33 42 36 00-0015 Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0012)</b>		
33 42 36 00-0016 EA Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	91.00	
33 42 36 00-0017 EA No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	100.78	
33 42 36 00-0018 EA No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	100.78	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 42 36 00-0019		Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0012)</small>		
33 42 36 00-0020	EA	Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	177.41	
33 42 36 00-0021	EA	Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	177.41	
33 42 36 00-0022	EA	90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	842.71	
33 42 36 00-0023	EA	Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	1,636.51	
33 42 36 00-0024	EA	Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	198.45	
33 42 36 00-0025		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0011)</small>		
33 42 36 00-0026		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0025)</small>		
33 42 36 00-0027	LF	6" Wide, Fiber Reinforced Polyester, Modular Trench Drain.....	294.22	15.65
		<i>For Black Acid Resistant Coated Frame, Add</i>	75.41	
		<i>For Galvanized Top Frame Assembly, Add</i>	75.41	
		<i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	277.83	
33 42 36 00-0028		Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0025)</small>		
33 42 36 00-0029	EA	Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	98.94	
33 42 36 00-0030	EA	No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	108.72	
33 42 36 00-0031	EA	No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	108.72	
33 42 36 00-0032		Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0025)</small>		
33 42 36 00-0033	EA	Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	177.41	
33 42 36 00-0034	EA	Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	177.41	
33 42 36 00-0035	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	842.71	
33 42 36 00-0036	EA	Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	1,636.51	
33 42 36 00-0037	EA	Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	198.45	
33 42 36 00-0038		6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0011)</small>		
33 42 36 00-0039		6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0038)</small>		
33 42 36 00-0040	LF	6" Wide, Vinylester Fiberglass, Modular Trench Drain.....	381.54	15.65
		<i>For Black Acid Resistant Coated Frame, Add</i>	75.41	
		<i>For Galvanized Top Frame Assembly, Add</i>	75.41	
		<i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	277.83	
33 42 36 00-0041		Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0038)</small>		
33 42 36 00-0042	EA	Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	162.44	
33 42 36 00-0043	EA	No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	172.22	
33 42 36 00-0044	EA	No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	172.22	
33 42 36 00-0045		Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0038)</small>		
33 42 36 00-0046	EA	Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	177.41	
33 42 36 00-0047	EA	Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	177.41	
33 42 36 00-0048	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	842.71	
33 42 36 00-0049	EA	Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	1,636.51	
33 42 36 00-0050	EA	Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	198.45	
33 42 36 00-0051		6" Wide, Polymer Concrete, Modular Trench Drains <small>(33 42 36 00-0011)</small>		
33 42 36 00-0052		6" Wide, Polymer Concrete, Modular Trench Drains <small>(33 42 36 00-0051)</small>		
33 42 36 00-0053	LF	6" Wide, Polymer Concrete, Modular Trench Drain .....	457.86	
33 42 36 00-0054		Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains <small>(33 42 36 00-0051)</small>		
33 42 36 00-0055	EA	Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain.....	180.83	
33 42 36 00-0056	EA	No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain.....	219.71	
33 42 36 00-0057	EA	No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain.....	67.41	
33 42 36 00-0058		12" Wide, Modular Trench Drains <small>(33 42 36 00-0002)</small>		
33 42 36 00-0059		12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0058)</small>		
33 42 36 00-0060		12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0059)</small>		
33 42 36 00-0061	LF	12" Wide, High Density Polyethylene, Modular Trench Drain .....	380.39	21.52
		<i>For Acid Resistant Coated Top Frame, Add</i>	103.19	
		<i>For Galvanized Welded Frame Assembly, Add</i>	108.16	
		<i>For Type 304 Stainless Steel Top Frame, Add</i>	619.16	



	<b>Utilities</b>	<b>33</b>	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 36 00-0062</b> <b>Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains</b> <small>(33 42 36 00-0059)</small>		
33 42 36 00-0063      EA      End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	188.81	
33 42 36 00-0064      EA      No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	201.85	
33 42 36 00-0065      EA      No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	201.85	
<b>33 42 36 00-0066</b> <b>Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains</b> <small>(33 42 36 00-0059)</small>		
33 42 36 00-0067      EA      Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	317.74	
33 42 36 00-0068      EA      Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	416.96	
33 42 36 00-0069      EA      90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	1,662.84	
33 42 36 00-0070      EA      Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	3,250.44	
33 42 36 00-0071      EA      Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	396.90	
<b>33 42 36 00-0072</b> <b>12" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> <small>(33 42 36 00-0058)</small>		
<b>33 42 36 00-0073</b> <b>12" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> <small>(33 42 36 00-0072)</small>		
33 42 36 00-0074      LF      12" Wide, Fiber Reinforced Polyester, Modular Trench Drain.....	479.62	21.52
For Acid Resistant Coated Top Frame, Add	103.19	
For Galvanized Welded Frame Assembly, Add	108.16	
For Type 304 Stainless Steel Top Frame, Add	619.16	
<b>33 42 36 00-0075</b> <b>Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> <small>(33 42 36 00-0072)</small>		
33 42 36 00-0076      EA      End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	196.75	
33 42 36 00-0077      EA      No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	209.79	
33 42 36 00-0078      EA      No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	209.79	
<b>33 42 36 00-0079</b> <b>Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> <small>(33 42 36 00-0072)</small>		
33 42 36 00-0080      EA      Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	317.74	
33 42 36 00-0081      EA      Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	416.96	
33 42 36 00-0082      EA      90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	1,662.84	
33 42 36 00-0083      EA      Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	3,250.44	
33 42 36 00-0084      EA      Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	396.90	
<b>33 42 36 00-0085</b> <b>12" Wide, Vinylester Fiberglass, Modular Trench Drains</b> <small>(33 42 36 00-0058)</small>		
<b>33 42 36 00-0086</b> <b>12" Wide, Vinylester Fiberglass, Modular Trench Drains</b> <small>(33 42 36 00-0085)</small>		
33 42 36 00-0087      LF      12" Wide, Vinylester Fiberglass, Modular Trench Drain.....	678.07	21.52
For Acid Resistant Coated Top Frame, Add	103.19	
For Galvanized Welded Frame Assembly, Add	108.16	
For Type 304 Stainless Steel Top Frame, Add	619.16	
<b>33 42 36 00-0088</b> <b>Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains</b> <small>(33 42 36 00-0085)</small>		
33 42 36 00-0089      EA      End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	494.42	
33 42 36 00-0090      EA      No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	507.46	
33 42 36 00-0091      EA      No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	507.46	
<b>33 42 36 00-0092</b> <b>Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains</b> <small>(33 42 36 00-0085)</small>		
33 42 36 00-0093      EA      Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	317.74	
33 42 36 00-0094      EA      Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	416.96	
33 42 36 00-0095      EA      90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	1,662.84	
33 42 36 00-0096      EA      Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	3,250.44	
33 42 36 00-0097      EA      Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	396.90	
<b>33 42 36 00-0098</b> <b>12" Wide, Polymer Concrete, Modular Trench Drains</b> <small>(33 42 36 00-0058)</small>		
<b>33 42 36 00-0099</b> <b>12" Wide, Polymer Concrete, Modular Trench Drains</b> <small>(33 42 36 00-0098)</small>		
33 42 36 00-0100      LF      12" Wide, Polymer Concrete, Modular Trench Drain.....	614.14	
<b>33 42 36 00-0101</b> <b>Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains</b> <small>(33 42 36 00-0098)</small>		
33 42 36 00-0102      EA      Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain.....	308.35	
33 42 36 00-0103      EA      No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	531.89	
33 42 36 00-0104      EA      No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	119.65	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0105 23" Wide, Modular Trench Drains <small>(33 42 36 00-0002)</small>		
33 42 36 00-0106 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0105)</small>		
33 42 36 00-0107 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0106)</small>		
33 42 36 00-0108 LF 23" Wide, High Density Polyethylene, Modular Trench Drain .....	533.66	29.34
For Acid Resistant Coated Frame, Add	154.79	
For Galvanized Frame Assembly, Add	154.79	
For Type 304 Stainless Steel Top Frame, Add	952.56	
33 42 36 00-0109 Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0106)</small>		
33 42 36 00-0110 EA End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains .....	606.31	
33 42 36 00-0111 EA No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains .....	880.74	
33 42 36 00-0112 EA No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains .....	880.74	
33 42 36 00-0113 Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0106)</small>		
33 42 36 00-0114 EA Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains .....	723.92	
33 42 36 00-0115 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains .....	3,297.44	
33 42 36 00-0116 EA Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains .....	6,472.64	
33 42 36 00-0117 EA Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains .....	793.80	
33 42 36 00-0118 Modular Trench Drain Grates <small>(33 42 36 00-0001)</small>		
33 42 36 00-0119 4" Wide, Modular Trench Drain Grates <small>(33 42 36 00-0118)</small>		
33 42 36 00-0120 LF 4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP) .....	41.79	2.93
33 42 36 00-0121 LF 4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG) .....	43.96	2.93
33 42 36 00-0122 LF 4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG) .....	35.28	2.93
33 42 36 00-0123 LF 4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS) .....	94.98	2.93
33 42 36 00-0124 LF 4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG) .....	35.28	2.93
33 42 36 00-0125 LF 4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS) .....	94.98	2.93
33 42 36 00-0126 6" Wide, Modular Trench Drain Grates <small>(33 42 36 00-0118)</small>		
33 42 36 00-0127 LF 6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate .....	195.40	2.93
33 42 36 00-0128 LF 6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate .....	165.44	2.93
33 42 36 00-0129 LF 6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate .....	173.77	2.93
33 42 36 00-0130 LF 6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate .....	151.74	2.93
33 42 36 00-0131 LF 6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate .....	163.65	2.93
33 42 36 00-0132 LF 6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate .....	165.63	2.93
33 42 36 00-0133 LF 6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate .....	165.63	2.93
33 42 36 00-0134 LF 6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate .....	163.65	2.93
33 42 36 00-0135 LF 6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate .....	143.81	2.93
33 42 36 00-0136 LF 6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate .....	143.81	2.93
33 42 36 00-0137 LF 6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate .....	152.93	2.93
33 42 36 00-0138 LF 6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate .....	152.93	2.93
33 42 36 00-0139 LF 6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate .....	199.37	2.93
33 42 36 00-0140 LF 6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate .....	199.37	2.93
33 42 36 00-0141 LF 6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate .....	366.07	2.93
33 42 36 00-0142 LF 6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate .....	366.07	2.93
33 42 36 00-0143 LF 6" Wide, Stainless Steel Bar, Modular Trench Drain Grate .....	1,020.95	2.93
33 42 36 00-0144 LF 6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate .....	135.87	2.93
33 42 36 00-0145 LF 6" Wide, Fiberglass, Modular Trench Drain Grate .....	294.63	2.93
33 42 36 00-0146 12" Wide, Modular Trench Drain Grates <small>(33 42 36 00-0118)</small>		
33 42 36 00-0147 LF 12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate .....	541.20	3.18
33 42 36 00-0148 LF 12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate .....	517.38	3.18
33 42 36 00-0149 LF 12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate .....	449.91	3.18
33 42 36 00-0150 LF 12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate .....	472.73	3.18
33 42 36 00-0151 LF 12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate .....	408.23	3.18
33 42 36 00-0152 LF 12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate .....	800.17	3.18
33 42 36 00-0153 LF 12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate .....	800.17	3.18
33 42 36 00-0154 LF 12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate .....	1,021.44	3.18
33 42 36 00-0155 LF 12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate .....	1,021.44	3.18
33 42 36 00-0156 LF 12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate .....	1,304.24	3.18
33 42 36 00-0157 LF 12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate .....	1,304.24	3.18
33 42 36 00-0158 LF 12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate .....	1,237.75	3.18
33 42 36 00-0159 LF 12" Wide, Fiberglass, Modular Trench Drain Grate .....	583.86	3.18
33 42 36 00-0160 23" Wide, Modular Trench Drain Grates <small>(33 42 36 00-0118)</small>		
33 42 36 00-0161 LF 23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate .....	855.24	3.43
33 42 36 00-0162 LF 23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate .....	720.29	3.43
33 42 36 00-0163 LF 23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate .....	1,117.19	3.43
33 42 36 00-0164 LF 23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate .....	827.45	3.43





	<b>Utilities</b>	<b>33</b>
	<b>Stormwater Utilities</b>	<b>33 40</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**33 44 Storm Utility Water Drains** (33 40)

**33 44 36 Oil and Stormwater Separators** (33 44)

33 44 36 00-0001	EA	Oil/Water Separator <small>(33 44 36)</small> Note: Complete with internal sensors and detectors.	
33 44 36 00-0002		Coalescing Oil Water Separator <small>(33 44 36 00-0001)</small> Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.	
33 44 36 00-0003		Single Wall Steel Coalescing Oil Water Separator <small>(33 44 36 00-0002)</small>	
33 44 36 00-0004	EA	550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	18,232.70
		<i>For Interior Polyurethane Coating, Add</i>	711.00
33 44 36 00-0005	EA	1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 1000. 4' diameter x 14' long tank.	22,315.01
		<i>For Interior Polyurethane Coating, Add</i>	893.70
33 44 36 00-0006	EA	2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	26,727.52
		<i>For Interior Polyurethane Coating, Add</i>	1,340.10
33 44 36 00-0007		Double Wall Steel Coalescing Oil Water Separator <small>(33 44 36 00-0002)</small>	
33 44 36 00-0008	EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	28,336.91
		<i>For Interior Polyurethane Coating, Add</i>	711.00
33 44 36 00-0009	EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 1000. 4' diameter x 14' long tank.	32,596.56
		<i>For Interior Polyurethane Coating, Add</i>	893.70
33 44 36 00-0010	EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	39,814.84
		<i>For Interior Polyurethane Coating, Add</i>	1,340.10
33 44 36 00-0011	EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	46,347.36
		<i>For Interior Polyurethane Coating, Add</i>	1,550.70
33 44 36 00-0012	EA	5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	61,524.41
		<i>For Interior Polyurethane Coating, Add</i>	2,057.80
33 44 36 00-0013		Accessories For Coalescing Oil Water Separators <small>(33 44 36 00-0002)</small>	
33 44 36 00-0014	EA	Single Channel Alarm Panel For Coalescing Oil Water Separator..... Note: HTAP1.	1,092.61
33 44 36 00-0015	EA	Two Channel Alarm Panel For Coalescing Oil Water Separator..... Note: HTAP2.	1,490.82
33 44 36 00-0016	EA	Float Interface Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	896.50
33 44 36 00-0017	EA	1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	656.36
33 44 36 00-0018	EA	Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	206.10
33 44 36 00-0019	EA	550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator.....	3,851.11
33 44 36 00-0020	EA	3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator.....	7,702.20
33 44 36 00-0021	EA	5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator.....	11,553.38
33 44 36 00-0022	EA	550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator.....	687.33
33 44 36 00-0023	EA	2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator.....	815.40
33 44 36 00-0024	EA	3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator.....	1,630.81
33 44 36 00-0025	EA	5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator.....	3,646.92
33 44 36 00-0026	EA	30" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	987.50
33 44 36 00-0027	EA	36" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,290.53
33 44 36 00-0028	EA	48" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,793.70
33 44 36 00-0029	EA	54" x 54" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	3,290.56
33 44 36 00-0030	EA	66" x 54" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	4,239.10
33 44 36 00-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	5,327.73
33 44 36 00-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	6,724.53
33 44 36 00-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator.....	1,334.77
33 44 36 00-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator.....	1,626.94
33 44 36 00-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator.....	2,555.47
33 44 36 00-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator.....	1,272.73
33 44 36 00-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator.....	1,544.89

**33 Utilities****33 40 Stormwater Utilities****33 44 Storm Utility Water Drains**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 44 36 00-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator .....	1,833.05	
33 44 36 00-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator.....	108.06	
33 44 36 00-0040	EA	24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator.....	122.07	

**33 44 36 00-0041 Oil Skimmers** (33 44 36)**33 44 36 00-0042 Oil Skimmers, 12" And 24" Models** (33 44 36 00-0041)

33 44 36 00-0043	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase .....	5,006.36	578.62
33 44 36 00-0044	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase .....	5,242.16	578.62
33 44 36 00-0045	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase .....	5,028.20	578.62
33 44 36 00-0046	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase .....	5,330.58	578.62
33 44 36 00-0047	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....	5,276.00	578.62
33 44 36 00-0048	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....	5,475.77	578.62
33 44 36 00-0049	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase .....	5,327.30	578.62
33 44 36 00-0050	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase .....	5,628.60	578.62
33 44 36 00-0051	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase .....	5,645.61	771.66
33 44 36 00-0052	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase .....	5,897.78	771.66
33 44 36 00-0053	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase .....	5,712.20	771.66
33 44 36 00-0054	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase .....	6,074.63	771.66
33 44 36 00-0055	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....	6,283.13	771.66
33 44 36 00-0056	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....	6,535.30	771.66
33 44 36 00-0057	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase .....	6,336.62	771.66
33 44 36 00-0058	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase .....	6,700.14	771.66

**33 44 36 00-0059 Oil Skimmers, Add-Ons** (33 44 36 00-0041)

33 44 36 00-0060	LF	Add For Belt Projection, 12" Width.....	16.37	
33 44 36 00-0061	LF	Add For Belt Projection, 24" Width.....	30.57	
33 44 36 00-0062	LF	Add For Spacer Stands, 12" Models.....	257.98	
33 44 36 00-0063	LF	Add For Spacer Stands, 24" Models.....	306.01	

**33 46 Stormwater Management** (33 46)**33 46 23 Modular Buried Stormwater Storage Units** (33 46)**33 46 23 00-0001 Polypropylene Corrugated Wall Stormwater Collection Chambers**  
**(StormTech™)** (33 46 23)

Note: Includes chambers and end caps delivery to site. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, geotextile fabrics and cutting holes in chambers. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.

**33 46 23 00-0002 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)** (33 46 23 00-0001)

33 46 23 00-0003	EA	Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) .....	549.22	
33 46 23 00-0004	EA	>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) .....	508.64	
33 46 23 00-0005	EA	>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) .....	478.53	
33 46 23 00-0006	EA	>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) .....	449.46	
33 46 23 00-0007	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740).....	218.11	
33 46 23 00-0008	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740) .....	194.09	
33 46 23 00-0009	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740) .....	179.71	
33 46 23 00-0010	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740) .....	165.58	

**33 46 23 00-0011 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)** (33 46 23 00-0001)

33 46 23 00-0012	EA	Up To 10, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) .....	307.66	
33 46 23 00-0013	EA	>10 To 20, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) .....	282.94	
33 46 23 00-0014	EA	>20 To 30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) .....	265.29	
33 46 23 00-0015	EA	>30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) .....	249.07	
33 46 23 00-0016	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310).....	169.48	
33 46 23 00-0017	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310) .....	151.65	
33 46 23 00-0018	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310) .....	140.55	
33 46 23 00-0019	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310) .....	130.56	

**33 46 23 00-0020 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)** (33 46 23 00-0001)

33 46 23 00-0021	EA	Up To 10, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	945.52	
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<b>Utilities</b>	<b>33</b>	<b>CSU</b>
<b>Stormwater Utilities</b>	<b>33 40</b>	
<b>Stormwater Management</b>	<b>33 46</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 23 00-0022 EA >10 To 20, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	883.51	
33 46 23 00-0023 EA >20 To 30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	832.89	
33 46 23 00-0024 EA >30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	786.56	
33 46 23 00-0025 EA Up To 10, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	793.20	
33 46 23 00-0026 EA >10 To 20, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	738.78	
33 46 23 00-0027 EA >20 To 30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	695.41	
33 46 23 00-0028 EA >30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	655.96	
<b>33 46 23 00-0029 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) (33 46 23 00-0001)</b>		
33 46 23 00-0030 EA Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	571.06	
33 46 23 00-0031 EA >10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	529.41	
33 46 23 00-0032 EA >20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	498.25	
33 46 23 00-0033 EA >30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	468.18	
33 46 23 00-0034 EA Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	218.11	
33 46 23 00-0035 EA >10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	189.96	
33 46 23 00-0036 EA >20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	179.71	
33 46 23 00-0037 EA >30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	165.58	
<b>33 46 23 00-0038 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) (33 46 23 00-0001)</b>		
33 46 23 00-0039 EA Up To 10, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	981.38	
33 46 23 00-0040 EA >10 To 20, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	915.94	
33 46 23 00-0041 EA >20 To 30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	861.95	
33 46 23 00-0042 EA >30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	814.65	
33 46 23 00-0043 EA Up To 10, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,228.00	
33 46 23 00-0044 EA >10 To 20, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,150.21	
33 46 23 00-0045 EA >20 To 30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,084.52	
33 46 23 00-0046 EA >30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,026.09	
<b>33 46 23 00-0047 Cut Opening In Polypropylene Corrugated Wall Stormwater Collection Chambers (33 46 23 00-0001)</b>		
33 46 23 00-0048 EA Cut Up To 6" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	53.87	
33 46 23 00-0049 EA Cut >6" To 12" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	68.10	
33 46 23 00-0050 EA Cut >12" To 24" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	89.31	
33 46 23 00-0051 EA Cut >24" To 36" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	112.81	
33 46 23 00-0052 EA 12" x 6" Inspection Port Kit.....	701.80	
Note: (2712AG6IPKIT)		
<b>33 46 53 Stormwater Leaching Pits (33 46)</b>		
<b>33 46 53 00-0001 Drainage Wells (33 46 53)</b>		
Note: Includes augering hole.		
33 46 53 00-0002 LF 12" Diameter Drainage Well With Corrugated Metal Liner.....	27.74	
33 46 53 00-0003 LF 18" Diameter Drainage Well With Corrugated Metal Liner.....	33.75	
33 46 53 00-0004 LF 24" Diameter Drainage Well With Corrugated Metal Liner.....	44.93	
<b>33 50 Hydrocarbon Utilities (33)</b>		
<b>33 52 Hydrocarbon Transmission and Distribution (33 50)</b>		
<b>33 52 16 Gas Hydrocarbon Piping (33 52)</b>		
<b>33 52 16 13 Steel Natural Gas Piping (33 52 16)</b>		
See CSI section 23 05 23 00-0000 for gas valves.		
<b>33 52 16 13-0001 Gas Distribution Lines (33 52 16 13)</b>		
Note: Excludes excavation and backfill.		

**33 Utilities****33 50 Hydrocarbon Utilities****33 52 Hydrocarbon Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0002			<b>Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped</b> <small>(33 52 16 13-0001)</small>		
33 52 16 13-0003	LF		1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	16.43	2.58
33 52 16 13-0004	LF		3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	18.91	2.83
33 52 16 13-0005	LF		1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	21.62	2.91
33 52 16 13-0006	LF		1-1/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	22.17	2.98
33 52 16 13-0007	LF		1-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	23.00	3.03
33 52 16 13-0008	LF		2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	24.38	3.24
33 52 16 13-0009	LF		2-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	34.12	3.89
33 52 16 13-0010	LF		3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	42.55	4.91
33 52 16 13-0011	LF		4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	57.21	5.93
33 52 16 13-0012	LF		5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	77.08	6.87
33 52 16 13-0013	LF		6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	96.89	8.39
33 52 16 13-0014	LF		8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	140.75	10.79
33 52 16 13-0015			<b>Gas Line Taps</b> <small>(33 52 16 13-0001)</small>		
			Note: Includes material to tap into main and gas valve.		
33 52 16 13-0016			<b>Polyethylene, 60 PSI</b> <small>(33 52 16 13-0015)</small>		
33 52 16 13-0017	EA		2" Polyethylene Hot Tap, With Valve.....	2,064.03	
33 52 16 13-0018	EA		2-1/2" Polyethylene Hot Tap, With Valve.....	1,706.88	
33 52 16 13-0019	EA		3" Polyethylene Hot Tap, With Valve.....	1,802.49	
33 52 16 13-0020	EA		4" Polyethylene Hot Tap, With Valve.....	3,616.21	
33 52 16 13-0021	EA		6" Polyethylene Hot Tap, With Valve.....	5,604.11	
33 52 16 13-0022			<b>Steel, Schedule 40</b> <small>(33 52 16 13-0015)</small>		
			Note: For punch steel service tee.		
33 52 16 13-0023	EA		1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....	2,707.85	
33 52 16 13-0024	EA		3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....	2,753.79	
33 52 16 13-0025	EA		3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....	2,814.95	
33 52 16 13-0026	EA		3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....	2,874.36	
33 52 16 13-0027	EA		1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....	2,920.16	
33 52 16 13-0028	EA		1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....	3,181.32	
33 52 16 13-0029	EA		1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....	3,259.37	
33 52 16 13-0030			<b>Protective Pipe And Fitting Wrap</b> <small>(33 52 16 13-0001)</small>		
			Note: Includes cleaning and priming pipe.		
33 52 16 13-0031			<b>Corrosion Protection Pipe Wrap For Pipe</b> <small>(33 52 16 13-0030)</small>		
			Note: Field applied.		
33 52 16 13-0032	LF		1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	2.94	
33 52 16 13-0033	LF		3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	3.10	
33 52 16 13-0034	LF		1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	3.30	
33 52 16 13-0035	LF		1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	3.70	
33 52 16 13-0036	LF		1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	3.99	
33 52 16 13-0037	LF		2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	4.56	
33 52 16 13-0038	LF		2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	5.50	
33 52 16 13-0039	LF		3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	6.75	
33 52 16 13-0040	LF		4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	8.44	
33 52 16 13-0041	LF		6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	11.10	
33 52 16 13-0042			<b>Corrosion Resistance Wrap And Coat - Fittings</b> <small>(33 52 16 13-0030)</small>		
			Note: Field applied.		
33 52 16 13-0043	EA		1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	17.63	
33 52 16 13-0044	EA		3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	17.63	
33 52 16 13-0045	EA		1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	21.82	
33 52 16 13-0046	EA		1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	24.46	
33 52 16 13-0047	EA		1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	24.46	
33 52 16 13-0048	EA		2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	28.94	
33 52 16 13-0049	EA		2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	38.71	
33 52 16 13-0050	EA		3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	52.09	
33 52 16 13-0051	EA		4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	52.58	
33 52 16 13-0052	EA		6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	60.37	
33 52 16 13-0053			<b>Service Fittings</b> <small>(33 52 16 13-0001)</small>		
33 52 16 13-0054			<b>Brass Fittings</b> <small>(33 52 16 13-0053)</small>		
33 52 16 13-0055	EA		1/2" X 2" Long Nipples, Threaded Both Ends, Brass.....	35.23	
33 52 16 13-0056	EA		3/4" X 2" Long Nipples, Threaded Both Ends, Brass.....	41.17	
33 52 16 13-0057	EA		1" X 2" Long Nipples, Threaded Both Ends, Brass.....	52.62	
33 52 16 13-0058	EA		1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass.....	65.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0059 EA 1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass.....	74.21	
33 52 16 13-0060 EA 2" X 2" Long Nipples, Threaded Both Ends, Brass.....	97.78	
33 52 16 13-0061 EA 1/2" 90 Degree Elbow, Brass.....	30.59	
33 52 16 13-0062 EA 3/4" 90 Degree Elbow, Brass.....	35.47	
33 52 16 13-0063 EA 1" 90 Degree Elbow, Brass.....	46.75	
33 52 16 13-0064 EA 1-1/4" 90 Degree Elbow, Brass.....	61.60	
33 52 16 13-0065 EA 1-1/2" 90 Degree Elbow, Brass.....	70.98	
33 52 16 13-0066 EA 2" 90 Degree Elbow, Brass.....	96.87	
33 52 16 13-0067 EA 1/2" Diameter Chrome Plated Nipple.....	25.56	
33 52 16 13-0068 EA 3/4" Diameter Chrome Plated Nipple.....	33.13	
33 52 16 13-0069 EA 1" Diameter Chrome Plated Nipple.....	43.19	
33 52 16 13-0070 EA 1-1/4" Diameter Chrome Plated Nipple.....	61.91	
33 52 16 13-0071 EA 1-1/2" Diameter Chrome Plated Nipple.....	75.62	
33 52 16 13-0072 EA 2" Diameter Chrome Plated Nipple.....	103.39	
<b>33 52 16 13-0073 Anodless Gas Riser</b> <small>(33 52 16 13-0053)</small>		
33 52 16 13-0074 EA 3/4" Anodless Gas Riser.....	91.54	
33 52 16 13-0075 EA 1" Anodless Gas Riser.....	113.73	
33 52 16 13-0076 EA 1-1/4" Anodless Gas Riser.....	134.46	
33 52 16 13-0077 EA 1-1/2" Anodless Gas Riser.....	170.29	
33 52 16 13-0078 EA 2" Anodless Gas Riser.....	196.60	
<b>33 52 16 13-0079 Brass Service Adapter</b> <small>(33 52 16 13-0053)</small>		
33 52 16 13-0080 EA 1/2" Brass Service Adapter.....	67.48	
33 52 16 13-0081 EA 3/4" Brass Service Adapter.....	74.27	
33 52 16 13-0082 EA 1" Brass Service Adapter.....	89.43	
33 52 16 13-0083 EA 1-1/4" Brass Service Adapter.....	111.37	
33 52 16 13-0084 EA 1-1/2" Brass Service Adapter.....	136.64	
33 52 16 13-0085 EA 2" Brass Service Adapter.....	167.60	
33 52 16 13-0086 EA 2-1/2" Brass Service Adapter.....	297.02	
33 52 16 13-0087 EA 3" Brass Service Adapter.....	363.53	
33 52 16 13-0088 EA 4" Brass Service Adapter.....	527.89	
<b>33 52 16 23 Medium Density Polyethylene Piping for Natural Gas</b> <small>(33 52 16)</small>		
<b>33 52 16 23-0001 Medium Density Polyethylene (MDPE) Gas Distribution Piping</b> <small>(33 52 16 23)</small>		
<small>Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.</small>		
33 52 16 23-0002 LF 1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	3.69	1.62
<i>For Colors, Add</i>	0.05	
33 52 16 23-0003 LF 3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.10	1.73
<i>For SDR 13.5, Deduct</i>	-0.10	
<i>For Colors, Add</i>	0.07	
33 52 16 23-0004 LF 1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.52	1.86
<i>For SDR 13.5, Deduct</i>	-0.13	
<i>For Colors, Add</i>	0.08	
33 52 16 23-0005 LF 1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.96	1.97
<i>For SDR 13.5, Deduct</i>	-0.15	
<i>For Colors, Add</i>	0.10	
33 52 16 23-0006 LF 1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	5.72	2.38
<i>For SDR 13.5, Deduct</i>	-0.21	
<i>For Colors, Add</i>	0.14	
33 52 16 23-0007 LF 2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	6.48	2.58
<i>For SDR 13.5, Deduct</i>	-0.28	
<i>For SDR 15.5, Deduct</i>	-0.52	
<i>For Colors, Add</i>	0.18	
33 52 16 23-0008 LF 2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	8.22	3.02
<i>For SDR 13.5, Deduct</i>	-0.47	
<i>For SDR 15.5, Deduct</i>	-0.86	
<i>For Colors, Add</i>	0.30	
33 52 16 23-0009 LF 3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	10.05	3.60
<i>For SDR 13.5, Deduct</i>	-0.64	
<i>For SDR 15.5, Deduct</i>	-1.17	
<i>For Colors, Add</i>	0.41	
33 52 16 23-0010 LF 4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	16.39	4.18
<i>For SDR 13.5, Deduct</i>	-1.18	
<i>For SDR 15.5, Deduct</i>	-2.16	
<i>For Colors, Add</i>	0.76	
33 52 16 23-0011 LF 5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	20.75	4.18
<i>For SDR 13.5, Deduct</i>	-1.63	
<i>For SDR 15.5, Deduct</i>	-3.00	
<i>For Colors, Add</i>	1.05	
33 52 16 23-0012 LF 6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	25.21	4.18
<i>For SDR 13.5, Deduct</i>	-2.09	
<i>For SDR 15.5, Deduct</i>	-3.84	
<i>For Colors, Add</i>	1.35	
33 52 16 23-0013 LF 8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	37.45	5.23
<i>For SDR 13.5, Deduct</i>	-3.48	
<i>For SDR 15.5, Deduct</i>	-6.39	
<i>For Colors, Add</i>	2.24	

**33 Utilities****33 50 Hydrocarbon Utilities****33 52 Hydrocarbon Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**33 52 16 26 High Density Polyethylene Piping for Natural Gas (33 52 16)**

Item Code	Description	Total Direct Unit Cost	Demolition Unit Cost
33 52 16 26-0001	<b>High Density Polyethylene (HDPE) Gas Distribution Piping (33 52 16 26)</b> Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.		
33 52 16 26-0002	LF 1/2" Diameter, SDR 9 High Density Polyethylene (HDPE) Gas Distribution Pipe	3.75	1.62
33 52 16 26-0003	LF 3/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	4.20	1.73
	For SDR 13.5, Deduct	-0.11	
33 52 16 26-0004	LF 1" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	4.61	1.86
	For SDR 13.5, Deduct	-0.14	
33 52 16 26-0005	LF 1-1/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	5.09	1.97
	For SDR 13.5, Deduct	-0.17	
33 52 16 26-0006	LF 1-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	5.90	2.38
	For SDR 13.5, Deduct	-0.24	
33 52 16 26-0007	LF 2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	6.70	2.58
	For SDR 13.5, Deduct	-0.31	
	For SDR 15.5, Deduct	-0.57	
	For SDR 17, Deduct	-0.82	
33 52 16 26-0008	LF 2-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	8.60	3.02
	For SDR 13.5, Deduct	-0.51	
	For SDR 15.5, Deduct	-0.94	
	For SDR 17, Deduct	-1.37	
33 52 16 26-0009	LF 3" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	10.57	3.60
	For SDR 13.5, Deduct	-0.70	
	For SDR 15.5, Deduct	-1.29	
	For SDR 17, Deduct	-1.87	
	For SDR 21, Deduct	-2.56	
33 52 16 26-0010	LF 4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	17.34	4.18
	For SDR 13.5, Deduct	-1.29	
	For SDR 15.5, Deduct	-2.38	
	For SDR 17, Deduct	-3.46	
	For SDR 21, Deduct	-4.73	
33 52 16 26-0011	LF 6" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	26.90	4.18
	For SDR 13.5, Deduct	-2.30	
	For SDR 15.5, Deduct	-4.22	
	For SDR 17, Deduct	-6.13	
	For SDR 21, Deduct	-8.39	
33 52 16 26-0012	LF 8" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	40.25	5.23
	For SDR 13.5, Deduct	-3.82	
	For SDR 15.5, Deduct	-7.03	
	For SDR 17, Deduct	-10.21	
	For SDR 21, Deduct	-13.97	

**33 53 Hydrocarbon Utility Pressure Regulation (33 53)****33 53 16 Gas Hydrocarbon Pressure Regulation (33 53)**

Item Code	Description	Total Direct Unit Cost	Demolition Unit Cost
33 53 16 00-0001	<b>Gas Pressure Regulators With Screwed And Flanged Ends (33 53 16)</b>		
33 53 16 00-0002	EA 3/4" Gas Pressure Regulator, Screwed End	228.28	16.75
33 53 16 00-0003	EA 1" Gas Pressure Regulator, Screwed End	232.08	16.75
33 53 16 00-0004	EA 1-1/4" Gas Pressure Regulator, Screwed End	241.21	19.89
33 53 16 00-0005	EA 1-1/2" Gas Pressure Regulator, Screwed End	835.35	23.03
33 53 16 00-0006	EA 2" Gas Pressure Regulator, Screwed End	883.46	35.68
33 53 16 00-0007	EA 3" Gas Pressure Regulator, Screwed End	2,491.87	80.03
33 53 16 00-0008	EA 4" Gas Pressure Regulator, Screwed End	3,466.55	106.06

**33 56 Hydrocarbon Storage (33 56)****33 56 13 Aboveground Hydrocarbon Storage Tanks (33 56)**

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

**33 56 33 Underground Hydrocarbon Storage (33 56)**

See CSI section 23 13 13 00-0000 for underground storage tanks.

**33 59 Hydrocarbon Utility Metering (33 59)****33 59 11 Diaphragm/Bellows Hydrocarbons Meters (33 59)**

Item Code	Description	Total Direct Unit Cost	Demolition Unit Cost
33 59 11 00-0001	<b>Diaphragm Meters (33 59 11)</b> Note: With standard direct-digital reading maximum working pressures 5 lbs to 100 lbs, threaded connections. Excludes pressure and temperature compensation.		
33 59 11 00-0002	EA 250 CF/Hour Gas Diaphragm Meter At 5 LB, Direct Digital, Threaded	543.46	65.57
	For Temperature And Pressure Compensation, Add	8.40	
	For Pulsers, Add	26.50	
33 59 11 00-0003	EA 425 CF/Hour Gas Diaphragm Meter At 10 LB, Direct Digital, Threaded	1,085.60	100.28
	For Temperature And Pressure Compensation, Add	8.40	
	For Pulsers, Add	26.50	
33 59 11 00-0004	EA 425 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded	1,287.64	100.28
	For Temperature And Pressure Compensation, Add	8.40	
	For Pulsers, Add	26.50	
33 59 11 00-0005	EA 800 CF/Hour Gas Diaphragm Meter At 20 LB, Direct Digital, Threaded	2,877.27	125.34
	For Temperature And Pressure Compensation, Add	8.40	
	For Pulsers, Add	26.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 59 11 00-0006 EA 1,000 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded..... <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	3,245.39 8.40 26.50	154.28
33 59 11 00-0007 EA 800 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded..... <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	4,320.96 8.40 26.50	125.34
33 59 11 00-0008 EA 1,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded..... <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	4,798.96 8.40 26.50	154.28
33 59 11 00-0009 EA 1,400 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded..... <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	6,359.85 8.40 26.50	163.92
33 59 11 00-0010 EA 2,300 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded..... <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	9,021.50 8.40 26.50	192.84
33 59 11 00-0011 EA 5,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded..... <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	13,763.53 8.40 26.50	318.19

**33 59 16 Hydrocarbons Turbine Meters** <sup>(33 59)</sup>

**33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading** <sup>(33 59 16)</sup>

Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002 EA 4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged .....	11,014.19	341.01
33 59 16 00-0003 EA 6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged .....	11,934.27	396.01
33 59 16 00-0004 EA 8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged .....	18,492.38	421.60
33 59 16 00-0005 EA 10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged .....	36,006.43	513.25
33 59 16 00-0006 EA 12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged .....	59,193.14	641.55

**33 60 Hydronic and Steam Energy Utilities** <sup>(33)</sup>

**33 61 Hydronic Energy Distribution** <sup>(33 60)</sup>

**33 61 13 Buried Hydronic Energy Distribution** <sup>(33 61)</sup>

**33 61 13 00-0001 Prefabricated/Preinsulated Pipe** <sup>(33 61 13)</sup>

Note: Includes coupling per full length of pipe. Excludes excavation and backfill. See CSI section 23 01 20 91-0041 for purging of existing system.

**33 61 13 00-0002 Preinsulated Schedule 40 Black Steel Pipe** <sup>(33 61 13 00-0001)</sup>

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

**33 61 13 00-0003 Standard Black Steel Carrier Pipe** <sup>(33 61 13 00-0002)</sup>

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0004 LF 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	144.37 2.42 24.18	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
<i>For Schedule 80 Pipe, Add</i>		
33 61 13 00-0005 LF 1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	158.30 2.66 26.59	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
<i>For Schedule 80 Pipe, Add</i>		
33 61 13 00-0006 LF 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	176.67 3.00 29.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
<i>For Schedule 80 Pipe, Add</i>		
33 61 13 00-0007 LF 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	189.14 3.21 32.15	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
<i>For Schedule 80 Pipe, Add</i>		
33 61 13 00-0008 LF 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	198.20 3.36 33.61	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
<i>For Schedule 80 Pipe, Add</i>		
33 61 13 00-0009 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	219.94 3.65 36.53	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
<i>For Schedule 80 Pipe, Add</i>		
33 61 13 00-0010 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	242.77 3.95 39.45	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
<i>For Schedule 80 Pipe, Add</i>		
33 61 13 00-0011 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	306.36 4.97 49.68	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
<i>For Schedule 80 Pipe, Add</i>		
33 61 13 00-0012 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	388.78 6.36 63.56	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
<i>For Schedule 80 Pipe, Add</i>		
33 61 13 00-0013 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	452.11 7.38 73.79	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
<i>For Schedule 80 Pipe, Add</i>		

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0014	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	637.45	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.74	
		<i>For Schedule 80 Pipe, Add</i>	107.40	
33 61 13 00-0015	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	828.24	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.17	
		<i>For Schedule 80 Pipe, Add</i>	141.73	
33 61 13 00-0016	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,031.16	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.68	
		<i>For Schedule 80 Pipe, Add</i>	176.80	
<b>33 61 13 00-0017</b>		<b>Standard Black Steel Carrier Pipe</b> <small>(33 61 13 00-0002)</small>		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0018	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	156.46	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.66	
		<i>For Schedule 80 Pipe, Add</i>	26.60	
33 61 13 00-0019	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	171.59	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.93	
		<i>For Schedule 80 Pipe, Add</i>	29.25	
33 61 13 00-0020	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	191.65	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.30	
		<i>For Schedule 80 Pipe, Add</i>	32.95	
33 61 13 00-0021	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	205.21	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.54	
		<i>For Schedule 80 Pipe, Add</i>	35.36	
33 61 13 00-0022	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	215.00	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.70	
		<i>For Schedule 80 Pipe, Add</i>	36.97	
33 61 13 00-0023	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	238.20	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.02	
		<i>For Schedule 80 Pipe, Add</i>	40.18	
33 61 13 00-0024	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	262.50	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.34	
		<i>For Schedule 80 Pipe, Add</i>	43.40	
33 61 13 00-0025	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	331.20	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.46	
		<i>For Schedule 80 Pipe, Add</i>	54.65	
33 61 13 00-0026	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	420.56	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.99	
		<i>For Schedule 80 Pipe, Add</i>	69.92	
33 61 13 00-0027	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	489.00	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.12	
		<i>For Schedule 80 Pipe, Add</i>	81.17	
33 61 13 00-0028	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	691.15	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.81	
		<i>For Schedule 80 Pipe, Add</i>	118.14	
33 61 13 00-0029	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	899.11	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.59	
		<i>For Schedule 80 Pipe, Add</i>	155.91	
33 61 13 00-0030	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,119.56	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.45	
		<i>For Schedule 80 Pipe, Add</i>	194.48	
<b>33 61 13 00-0031</b>		<b>Standard Black Steel Carrier Pipe</b> <small>(33 61 13 00-0002)</small>		
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0032	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	162.51	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.78	
		<i>For Schedule 80 Pipe, Add</i>	27.81	
33 61 13 00-0033	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	178.24	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.06	
		<i>For Schedule 80 Pipe, Add</i>	30.58	
33 61 13 00-0034	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	199.14	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.44	
		<i>For Schedule 80 Pipe, Add</i>	34.45	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0035 LF 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	213.25 3.70 36.97	
33 61 13 00-0036 LF 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	223.40 3.86 38.65	
33 61 13 00-0037 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	247.33 4.20 42.01	
33 61 13 00-0038 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	272.36 4.54 45.37	
33 61 13 00-0039 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	343.62 5.71 57.13	
33 61 13 00-0040 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	436.45 7.31 73.10	
33 61 13 00-0041 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	507.45 8.49 84.86	
33 61 13 00-0042 LF 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	718.00 12.35 123.51	
33 61 13 00-0043 LF 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	934.54 16.30 162.99	
33 61 13 00-0044 LF 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	1,163.76 20.33 203.32	
<b>33 61 13 00-0045 Standard Black Steel Carrier Pipe</b> <small>(33 61 13 00-0002)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0046 LF 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	171.58 2.96 29.62	
33 61 13 00-0047 LF 1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	188.21 3.26 32.58	
33 61 13 00-0048 LF 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	210.37 3.67 36.69	
33 61 13 00-0049 LF 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	225.30 3.94 39.38	
33 61 13 00-0050 LF 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	236.00 4.12 41.17	
33 61 13 00-0051 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	261.03 4.47 44.75	
33 61 13 00-0052 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	287.15 4.83 48.33	
33 61 13 00-0053 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	362.25 6.09 60.86	
33 61 13 00-0054 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	460.28 7.79 77.86	
33 61 13 00-0055 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	535.12 9.04 90.39	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0056	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	758.27	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.16	
			<i>For Schedule 80 Pipe, Add</i>	131.56	
33 61	13 00-0057	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	987.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.36	
			<i>For Schedule 80 Pipe, Add</i>	173.62	
33 61	13 00-0058	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,230.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.66	
			<i>For Schedule 80 Pipe, Add</i>	216.58	
33 61	13 00-0059		<b>Preinsulated Black Steel Fittings</b> (33 61 13 00-0001) Note: No excavation or backfill.		
33 61	13 00-0060		<b>Elbows</b> (33 61 13 00-0059)		
33 61	13 00-0061		<b>Elbows</b> (33 61 13 00-0060) Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0062	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	889.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.66	
33 61	13 00-0063	EA	1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	916.41	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.03	
33 61	13 00-0064	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,047.85	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.24	
33 61	13 00-0065	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,160.98	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.89	
33 61	13 00-0066	EA	2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,285.58	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.72	
33 61	13 00-0067	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,442.32	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.55	
33 61	13 00-0068	EA	3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,670.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.87	
33 61	13 00-0069	EA	4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,949.48	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.01	
33 61	13 00-0070	EA	5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,399.01	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.30	
33 61	13 00-0071	EA	6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,678.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.37	
33 61	13 00-0072	EA	8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,810.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	61.25	
33 61	13 00-0073	EA	10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,052.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	78.28	
33 61	13 00-0074	EA	12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,547.03	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	103.61	
33 61	13 00-0075		<b>Elbows</b> (33 61 13 00-0060) Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0076	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	948.43	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.83	
33 61	13 00-0077	EA	1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	976.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.23	
33 61	13 00-0078	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,116.23	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.60	
33 61	13 00-0079	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,235.58	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.39	
33 61	13 00-0080	EA	2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,363.29	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.28	
33 61	13 00-0081	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,523.13	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.17	
33 61	13 00-0082	EA	3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,763.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0083 EA 4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,058.27	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.19	
33 61 13 00-0084 EA 5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,538.89	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	40.10	
33 61 13 00-0085 EA 6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,837.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.54	
33 61 13 00-0086 EA 8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,040.36	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	65.84	
33 61 13 00-0087 EA 10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,345.96	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	84.16	
33 61 13 00-0088 EA 12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,935.58	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	111.38	
<b>33 61 13 00-0089 Elbows</b> <small>(33 61 13 00-0060)</small>		
<i>Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0090 EA 3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,007.15	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.01	
33 61 13 00-0091 EA 1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,036.60	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.43	
33 61 13 00-0092 EA 1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,184.62	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.97	
33 61 13 00-0093 EA 1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,310.18	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.88	
33 61 13 00-0094 EA 2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,441.00	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.83	
33 61 13 00-0095 EA 2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,603.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.78	
33 61 13 00-0096 EA 3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,857.19	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.60	
33 61 13 00-0097 EA 4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,167.07	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.36	
33 61 13 00-0098 EA 5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,678.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.90	
33 61 13 00-0099 EA 6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,996.63	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	48.72	
33 61 13 00-0100 EA 8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,270.04	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	70.43	
33 61 13 00-0101 EA 10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,639.52	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	90.03	
33 61 13 00-0102 EA 12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,324.12	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	119.15	
<b>33 61 13 00-0103 Elbows</b> <small>(33 61 13 00-0060)</small>		
<i>Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0104 EA 3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,065.86	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.18	
33 61 13 00-0105 EA 1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,096.69	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.63	
33 61 13 00-0106 EA 1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,253.00	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.34	
33 61 13 00-0107 EA 1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,384.78	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.37	
33 61 13 00-0108 EA 2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,518.71	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.39	
33 61 13 00-0109 EA 2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,684.77	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.40	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0110	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,950.44	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.46	
33 61	13 00-0111	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,275.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.54	
33 61	13 00-0112	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,818.64	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.69	
33 61	13 00-0113	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,155.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	51.90	
33 61	13 00-0114	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,499.71	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	75.03	
33 61	13 00-0115	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,933.09	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	95.90	
33 61	13 00-0116	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,712.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	126.93	
<b>33 61</b>	<b>13 00-0117</b>		<b>Tees</b> <small>(33 61 13 00-0059)</small>		
<b>33 61</b>	<b>13 00-0118</b>		<b>Tees</b> <small>(33 61 13 00-0117)</small>		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0119	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,322.78	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.25	
33 61	13 00-0120	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,362.41	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.80	
33 61	13 00-0121	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,557.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.08	
33 61	13 00-0122	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,726.35	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.54	
33 61	13 00-0123	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,912.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.77	
33 61	13 00-0124	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,146.66	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.00	
33 61	13 00-0125	EA	3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,487.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.93	
33 61	13 00-0126	EA	4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,902.47	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	43.08	
33 61	13 00-0127	EA	5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,573.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	55.39	
33 61	13 00-0128	EA	6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,987.32	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	62.91	
33 61	13 00-0129	EA	8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,668.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	90.95	
33 61	13 00-0130	EA	10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,521.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	116.25	
33 61	13 00-0131	EA	12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,742.83	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	153.86	
<b>33 61</b>	<b>13 00-0132</b>		<b>Tees</b> <small>(33 61 13 00-0117)</small>		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0133	EA	3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,409.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.99	
33 61	13 00-0134	EA	1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,451.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.58	
33 61	13 00-0135	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,659.47	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.11	
33 61	13 00-0136	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,837.13	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.76	
33 61	13 00-0137	EA	2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,027.76	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0138 EA 2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,266.67	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.40	
33 61 13 00-0139 EA 3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,625.86	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.70	
33 61 13 00-0140 EA 4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,064.02	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	46.31	
33 61 13 00-0141 EA 5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,781.08	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	59.55	
33 61 13 00-0142 EA 6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,223.24	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	67.63	
33 61 13 00-0143 EA 8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,009.79	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	97.77	
33 61 13 00-0144 EA 10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,957.81	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	124.97	
33 61 13 00-0145 EA 12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	10,319.82	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	165.40	
<b>33 61 13 00-0146 Tees</b> <small>(33 61 13 00-0117)</small>		
<i>Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0147 EA 3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,497.16	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.74	
33 61 13 00-0148 EA 1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,540.90	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.37	
33 61 13 00-0149 EA 1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,761.03	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.14	
33 61 13 00-0150 EA 1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,947.91	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.97	
33 61 13 00-0151 EA 2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,143.16	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.39	
33 61 13 00-0152 EA 2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,386.69	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.80	
33 61 13 00-0153 EA 3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,764.33	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.47	
33 61 13 00-0154 EA 4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,225.58	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.54	
33 61 13 00-0155 EA 5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,988.80	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	63.70	
33 61 13 00-0156 EA 6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,459.17	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	72.35	
33 61 13 00-0157 EA 8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,350.86	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	104.59	
33 61 13 00-0158 EA 10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,393.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	133.69	
33 61 13 00-0159 EA 12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	10,896.81	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	176.94	
<b>33 61 13 00-0160 Tees</b> <small>(33 61 13 00-0117)</small>		
<i>Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0161 EA 3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,584.35	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.48	
33 61 13 00-0162 EA 1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,630.14	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.15	
33 61 13 00-0163 EA 1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,862.58	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.17	
33 61 13 00-0164 EA 1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,058.69	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.19	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0165	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,258.56	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.70	
33 61	13 00-0166	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,506.70	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.20	
33 61	13 00-0167	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,902.81	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.24	
33 61	13 00-0168	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,387.14	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	52.78	
33 61	13 00-0169	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,196.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	67.85	
33 61	13 00-0170	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,695.09	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	77.07	
33 61	13 00-0171	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,691.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	111.41	
33 61	13 00-0172	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,829.71	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	142.41	
33 61	13 00-0173	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	11,473.80	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	188.48	
33 61	13 00-0174		<b>Reducers</b> <small>(33 61 13 00-0059)</small>		
33 61	13 00-0175		<b>Reducers</b> <small>(33 61 13 00-0174)</small>		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0176	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	745.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.00	
33 61	13 00-0177	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	768.64	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.30	
33 61	13 00-0178	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	879.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.14	
33 61	13 00-0179	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	975.18	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.51	
33 61	13 00-0180	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,084.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.20	
33 61	13 00-0181	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,230.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.89	
33 61	13 00-0182	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,420.02	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.64	
33 61	13 00-0183	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,652.77	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.08	
33 61	13 00-0184	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,028.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.96	
33 61	13 00-0185	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,262.90	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.16	
33 61	13 00-0186	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,215.42	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	50.83	
33 61	13 00-0187	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,273.63	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	64.98	
33 61	13 00-0188	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,527.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	86.00	
33 61	13 00-0189		<b>Reducers</b> <small>(33 61 13 00-0174)</small>		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0190	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	794.71	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.97	
33 61	13 00-0191	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	818.52	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.30	
33 61	13 00-0192	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	936.01	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0193 EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,037.10	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.75	
33 61 13 00-0194 EA 2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,148.88	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.49	
33 61 13 00-0195 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,297.94	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.23	
33 61 13 00-0196 EA 3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,497.42	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.19	
33 61 13 00-0197 EA 4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,743.07	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.89	
33 61 13 00-0198 EA 5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,144.81	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.28	
33 61 13 00-0199 EA 6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,394.77	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.80	
33 61 13 00-0200 EA 8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,406.05	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	54.65	
33 61 13 00-0201 EA 10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,517.29	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	69.85	
33 61 13 00-0202 EA 12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,850.09	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	92.45	
<b>33 61 13 00-0203 Reducers</b> <small>(33 61 13 00-0174)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0204 EA 3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	843.44	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.94	
33 61 13 00-0205 EA 1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	868.40	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.30	
33 61 13 00-0206 EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	992.77	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.41	
33 61 13 00-0207 EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,099.02	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.99	
33 61 13 00-0208 EA 2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,213.38	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.78	
33 61 13 00-0209 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,365.02	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.57	
33 61 13 00-0210 EA 3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,574.81	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.74	
33 61 13 00-0211 EA 4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,833.37	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.69	
33 61 13 00-0212 EA 5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,260.91	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.60	
33 61 13 00-0213 EA 6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,526.63	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	40.44	
33 61 13 00-0214 EA 8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	3,596.68	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	58.46	
33 61 13 00-0215 EA 10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	4,760.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	74.72	
33 61 13 00-0216 EA 12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	6,172.59	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	98.90	
<b>33 61 13 00-0217 Reducers</b> <small>(33 61 13 00-0174)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0218 EA 3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	892.17	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.92	
33 61 13 00-0219 EA 1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	918.28	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.29	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0220	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,049.53	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.54	
33 61	13 00-0221	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,160.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.23	
33 61	13 00-0222	EA	2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,277.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.07	
33 61	13 00-0223	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,432.10	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.91	
33 61	13 00-0224	EA	3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,652.21	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.28	
33 61	13 00-0225	EA	4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,923.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.50	
33 61	13 00-0226	EA	5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,377.01	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.93	
33 61	13 00-0227	EA	6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,658.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	43.08	
33 61	13 00-0228	EA	8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,787.30	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	62.27	
33 61	13 00-0229	EA	10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,004.61	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	79.60	
33 61	13 00-0230	EA	12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,495.08	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	105.35	
33 61	13 00-0231		<b>Preinsulated Type K Copper Pipe</b> <small>(33 61 13 00-0001)</small> Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61	13 00-0232		<b>Type K Copper Carrier Pipe</b> <small>(33 61 13 00-0231)</small> Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0233	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	45.02	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.41	
33 61	13 00-0234	LF	1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	49.01	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.45	
33 61	13 00-0235	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	53.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.51	
33 61	13 00-0236	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	56.93	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.54	
33 61	13 00-0237	LF	2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	60.00	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.57	
33 61	13 00-0238	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	69.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
33 61	13 00-0239	LF	3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	81.00	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	
33 61	13 00-0240	LF	4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	102.68	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.84	
33 61	13 00-0241	LF	5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	128.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.07	
33 61	13 00-0242	LF	6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	149.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.25	
33 61	13 00-0243	LF	8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	195.99	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.82	
33 61	13 00-0244	LF	10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	245.02	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.40	
33 61	13 00-0245	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	303.54	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.99	
33 61	13 00-0246		<b>Type K Copper Carrier Pipe</b> <small>(33 61 13 00-0231)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0247	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	47.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.45	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0248 LF 1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	51.25	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.49	
33 61 13 00-0249 LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	56.02	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.56	
33 61 13 00-0250 LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	59.65	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.60	
33 61 13 00-0251 LF 2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	62.84	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.63	
33 61 13 00-0252 LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	73.00	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.68	
33 61 13 00-0253 LF 3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	84.34	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.73	
33 61 13 00-0254 LF 4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	106.88	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.92	
33 61 13 00-0255 LF 5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	133.41	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.18	
33 61 13 00-0256 LF 6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	155.69	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.37	
33 61 13 00-0257 LF 8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	205.07	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.00	
33 61 13 00-0258 LF 10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	256.99	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.64	
33 61 13 00-0259 LF 12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	318.48	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.29	
<b>33 61 13 00-0260 Type K Copper Carrier Pipe</b> <small>(33 61 13 00-0231)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0261 LF 3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	48.09	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.47	
33 61 13 00-0262 LF 1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	52.38	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.52	
33 61 13 00-0263 LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	57.29	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.58	
33 61 13 00-0264 LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	61.01	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.63	
33 61 13 00-0265 LF 2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	64.26	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
33 61 13 00-0266 LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	74.55	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.71	
33 61 13 00-0267 LF 3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	86.01	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.77	
33 61 13 00-0268 LF 4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	108.98	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.97	
33 61 13 00-0269 LF 5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	136.10	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.24	
33 61 13 00-0270 LF 6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	158.81	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.43	
33 61 13 00-0271 LF 8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	209.61	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.09	
33 61 13 00-0272 LF 10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	262.98	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.76	
33 61 13 00-0273 LF 12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	325.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.44	
<b>33 61 13 00-0274 Type K Copper Carrier Pipe</b> <small>(33 61 13 00-0231)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0275	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	49.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.50	
33 61	13 00-0276	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	54.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.55	
33 61	13 00-0277	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	59.18	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
33 61	13 00-0278	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	63.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	
33 61	13 00-0279	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	66.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.70	
33 61	13 00-0280	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	76.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.76	
33 61	13 00-0281	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	88.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.82	
33 61	13 00-0282	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	112.13	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.03	
33 61	13 00-0283	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	140.13	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.32	
33 61	13 00-0284	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	163.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.53	
33 61	13 00-0285	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	216.42	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.22	
33 61	13 00-0286	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	271.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.94	
33 61	13 00-0287	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	337.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.66	
33 61	13 00-0288		<b>Preinsulated Copper Fittings</b> (33 61 13 00-0001)		
33 61	13 00-0289		<b>Elbows</b> (33 61 13 00-0288)		
33 61	13 00-0290		<b>Elbows</b> (33 61 13 00-0289)		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0291	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	325.90	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.66	
33 61	13 00-0292	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	338.56	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.77	
33 61	13 00-0293	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	389.66	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.43	
33 61	13 00-0294	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	440.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.92	
33 61	13 00-0295	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	525.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.17	
33 61	13 00-0296	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	637.83	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.41	
33 61	13 00-0297	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	741.58	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.40	
33 61	13 00-0298	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	865.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.63	
33 61	13 00-0299	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,019.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.10	
33 61	13 00-0300	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,117.85	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.61	
33 61	13 00-0301	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,562.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.23	
33 61	13 00-0302	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,154.42	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.30	
33 61	13 00-0303	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,729.89	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.83	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**33 61 13 00-0304**

**Elbows** (33 61 13 00-0289)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0305	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	343.37	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.01	
33 61 13 00-0306	EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	356.44	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.13	
33 61 13 00-0307	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	410.01	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.83	
33 61 13 00-0308	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	462.82	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.36	
33 61 13 00-0309	EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	548.38	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.63	
33 61 13 00-0310	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	661.88	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.89	
33 61 13 00-0311	EA	3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	769.33	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.96	
33 61 13 00-0312	EA	4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	897.86	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.28	
33 61 13 00-0313	EA	5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,060.94	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.93	
33 61 13 00-0314	EA	6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,165.13	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.55	
33 61 13 00-0315	EA	8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,630.41	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.59	
33 61 13 00-0316	EA	10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,241.78	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.04	
33 61 13 00-0317	EA	12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,845.52	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.15	

**33 61 13 00-0318**

**Elbows** (33 61 13 00-0289)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0319	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	360.84	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.36	
33 61 13 00-0320	EA	1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	374.33	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.48	
33 61 13 00-0321	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	430.36	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.24	
33 61 13 00-0322	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	485.02	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.81	
33 61 13 00-0323	EA	2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	571.51	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.09	
33 61 13 00-0324	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	685.93	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.38	
33 61 13 00-0325	EA	3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	797.08	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.51	
33 61 13 00-0326	EA	4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	930.24	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.93	
33 61 13 00-0327	EA	5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,102.56	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.77	
33 61 13 00-0328	EA	6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,212.64	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.50	
33 61 13 00-0329	EA	8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,698.63	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.96	
33 61 13 00-0330	EA	10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,328.74	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.79	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0331	EA	12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,961.42	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.46	
<b>33 61</b>	<b>13 00-0332</b>		<b>Elbows</b> (33 61 13 00-0289) Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0333	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	378.32	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.71	
33 61	13 00-0334	EA	1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	392.21	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.84	
33 61	13 00-0335	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	450.71	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.65	
33 61	13 00-0336	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	507.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.25	
33 61	13 00-0337	EA	2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	594.64	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.55	
33 61	13 00-0338	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	709.98	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.86	
33 61	13 00-0339	EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	824.83	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.07	
33 61	13 00-0340	EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	962.61	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.58	
33 61	13 00-0341	EA	5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,144.19	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.60	
33 61	13 00-0342	EA	6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,259.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.44	
33 61	13 00-0343	EA	8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,766.98	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.33	
33 61	13 00-0344	EA	10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,416.11	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.54	
33 61	13 00-0345	EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,077.05	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.77	
<b>33 61</b>	<b>13 00-0346</b>		<b>Tees</b> (33 61 13 00-0288)		
<b>33 61</b>	<b>13 00-0347</b>		<b>Tees</b> (33 61 13 00-0346) Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0348	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	485.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.92	
33 61	13 00-0349	EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	504.13	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.08	
33 61	13 00-0350	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	580.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.06	
33 61	13 00-0351	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	656.30	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.79	
33 61	13 00-0352	EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	782.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.16	
33 61	13 00-0353	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	951.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.52	
33 61	13 00-0354	EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,106.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.99	
33 61	13 00-0355	EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,291.79	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.82	
33 61	13 00-0356	EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,523.15	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.48	
33 61	13 00-0357	EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,667.91	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.72	
33 61	13 00-0358	EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,328.08	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0359 EA 10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	3,215.84	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.60	
33 61 13 00-0360 EA 12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	4,071.70	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.79	
<b>33 61 13 00-0361 Tees</b> <small>(33 61 13 00-0346)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0362 EA 3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	511.25	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.44	
33 61 13 00-0363 EA 1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	530.68	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.61	
33 61 13 00-0364 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	610.48	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.66	
33 61 13 00-0365 EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	689.27	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.45	
33 61 13 00-0366 EA 2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	817.19	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.84	
33 61 13 00-0367 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	987.10	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.24	
33 61 13 00-0368 EA 3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,148.07	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.81	
33 61 13 00-0369 EA 4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,339.87	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.78	
33 61 13 00-0370 EA 5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,584.97	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.72	
33 61 13 00-0371 EA 6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,738.12	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.13	
33 61 13 00-0372 EA 8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,429.58	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.10	
33 61 13 00-0373 EA 10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,345.58	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.19	
33 61 13 00-0374 EA 12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,243.41	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.22	
<b>33 61 13 00-0375 Tees</b> <small>(33 61 13 00-0346)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0376 EA 3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	537.20	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.96	
33 61 13 00-0377 EA 1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	557.24	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.14	
33 61 13 00-0378 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	640.70	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.27	
33 61 13 00-0379 EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	722.23	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.11	
33 61 13 00-0380 EA 2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	851.53	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.53	
33 61 13 00-0381 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,022.82	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.95	
33 61 13 00-0382 EA 3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,189.28	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.64	
33 61 13 00-0383 EA 4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,387.94	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.74	
33 61 13 00-0384 EA 5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,646.78	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.96	
33 61 13 00-0385 EA 6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,808.68	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.53	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0386	EA	8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,530.14	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.13	
33 61 13 00-0387	EA	10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,473.03	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.79	
33 61 13 00-0388	EA	12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,417.74	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	52.66	
<b>33 61 13 00-0389</b>		<b>Tees</b> <small>(33 61 13 00-0346)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0390	EA	3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	563.15	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.48	
33 61 13 00-0391	EA	1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	583.80	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.68	
33 61 13 00-0392	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	670.92	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.87	
33 61 13 00-0393	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	755.20	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.77	
33 61 13 00-0394	EA	2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	885.87	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.22	
33 61 13 00-0395	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,058.53	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.67	
33 61 13 00-0396	EA	3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,230.49	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.46	
33 61 13 00-0397	EA	4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,436.02	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.71	
33 61 13 00-0398	EA	5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,708.59	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.19	
33 61 13 00-0399	EA	6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,878.89	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.94	
33 61 13 00-0400	EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,631.64	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.16	
33 61 13 00-0401	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,602.77	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.38	
33 61 13 00-0402	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,589.44	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	56.09	
<b>33 61 13 00-0403</b>		<b>Reducers</b> <small>(33 61 13 00-0288)</small>		
<b>33 61 13 00-0404</b>		<b>Reducers</b> <small>(33 61 13 00-0403)</small>		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0405	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	277.02	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.87	
33 61 13 00-0406	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	287.99	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.96	
33 61 13 00-0407	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	331.70	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.50	
33 61 13 00-0408	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	375.77	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.91	
33 61 13 00-0409	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	451.05	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.12	
33 61 13 00-0410	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	558.73	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.32	
33 61 13 00-0411	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	644.52	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.14	
33 61 13 00-0412	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	748.53	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.17	
33 61 13 00-0413	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	878.71	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0414 EA 6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	962.10	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.46	
33 61 13 00-0415 EA 8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,342.16	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.13	
33 61 13 00-0416 EA 10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,857.96	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.34	
33 61 13 00-0417 EA 12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,347.17	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.59	
<b>33 61 13 00-0418 Reducers</b> <small>(33 61 13 00-0403)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0419 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	291.53	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.16	
33 61 13 00-0420 EA 1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	302.84	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.26	
33 61 13 00-0421 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	348.59	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.84	
33 61 13 00-0422 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	394.20	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.28	
33 61 13 00-0423 EA 2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	470.25	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.50	
33 61 13 00-0424 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	578.69	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.72	
33 61 13 00-0425 EA 3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	667.55	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.60	
33 61 13 00-0426 EA 4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	775.40	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.70	
33 61 13 00-0427 EA 5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	913.26	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.90	
33 61 13 00-0428 EA 6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,001.34	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.25	
33 61 13 00-0429 EA 8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,398.89	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.26	
33 61 13 00-0430 EA 10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,930.47	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.79	
33 61 13 00-0431 EA 12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,443.14	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.51	
<b>33 61 13 00-0432 Reducers</b> <small>(33 61 13 00-0403)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0433 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	306.03	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.45	
33 61 13 00-0434 EA 1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	317.68	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.55	
33 61 13 00-0435 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	365.48	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.18	
33 61 13 00-0436 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	412.63	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.65	
33 61 13 00-0437 EA 2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	489.44	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.89	
33 61 13 00-0438 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	598.65	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.12	
33 61 13 00-0439 EA 3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	690.58	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.06	
33 61 13 00-0440 EA 4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	802.27	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.24	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0441	EA	5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	947.81	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.60	
33 61	13 00-0442	EA	6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,040.77	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.03	
33 61	13 00-0443	EA	8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,455.28	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.40	
33 61	13 00-0444	EA	10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,002.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.24	
33 61	13 00-0445	EA	12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,539.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.43	
<b>33 61</b>	<b>13 00-0446</b>		<b>Reducers</b> <small>(33 61 13 00-0403)</small>		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0447	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	320.53	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.74	
33 61	13 00-0448	EA	1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	332.52	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.85	
33 61	13 00-0449	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	382.37	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.52	
33 61	13 00-0450	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	431.05	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.02	
33 61	13 00-0451	EA	2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	508.63	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.27	
33 61	13 00-0452	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	618.61	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.52	
33 61	13 00-0453	EA	3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	713.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.52	
33 61	13 00-0454	EA	4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	829.15	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.78	
33 61	13 00-0455	EA	5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	982.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.29	
33 61	13 00-0456	EA	6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,080.01	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.82	
33 61	13 00-0457	EA	8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,512.01	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.53	
33 61	13 00-0458	EA	10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,075.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.69	
33 61	13 00-0459	EA	12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,635.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.35	
<b>33 61</b>	<b>13 00-0460</b>		<b>Preinsulated Ductile Iron Carrier Pipe</b> <small>(33 61 13 00-0001)</small>		
			Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
<b>33 61</b>	<b>13 00-0461</b>		<b>Ductile Iron Carrier Pipe</b> <small>(33 61 13 00-0460)</small>		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0462	LF	4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	170.10	
33 61	13 00-0463	LF	6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	249.12	
33 61	13 00-0464	LF	8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	337.84	
33 61	13 00-0465	LF	10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	430.17	
33 61	13 00-0466	LF	12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	534.19	
<b>33 61</b>	<b>13 00-0467</b>		<b>Ductile Iron Carrier Pipe</b> <small>(33 61 13 00-0460)</small>		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0468	LF	4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	181.49	
33 61	13 00-0469	LF	6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	266.05	
33 61	13 00-0470	LF	8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	362.48	





	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0471	LF	10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	462.68	
33 61 13 00-0472	LF	12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	574.75	
33 61 13 00-0473	LF	14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	629.39	
33 61 13 00-0474	LF	16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	710.26	
33 61 13 00-0475	LF	18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	800.66	
33 61 13 00-0476	LF	20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	882.04	
33 61 13 00-0477	LF	24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,046.73	
<b>33 61 13 00-0478</b>		<b>Preinsulated Ductile Iron Fittings (33 61 13 00-0001)</b>		
<b>33 61 13 00-0479</b>		<b>Elbows (33 61 13 00-0478)</b>		
<b>33 61 13 00-0480</b>		<b>Elbows (33 61 13 00-0479)</b>		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0481	EA	4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	1,507.99	
33 61 13 00-0482	EA	6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	2,034.17	
33 61 13 00-0483	EA	8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	2,878.66	
33 61 13 00-0484	EA	10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	3,861.08	
33 61 13 00-0485	EA	12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	4,970.29	
<b>33 61 13 00-0486</b>		<b>Elbows (33 61 13 00-0479)</b>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0487	EA	4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	1,648.80	
33 61 13 00-0488	EA	6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	2,239.79	
33 61 13 00-0489	EA	8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	3,175.91	
33 61 13 00-0490	EA	10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	4,241.02	
33 61 13 00-0491	EA	12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	5,473.16	
33 61 13 00-0492	EA	14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	6,666.54	
33 61 13 00-0493	EA	16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	7,899.98	
33 61 13 00-0494	EA	18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	9,866.24	
33 61 13 00-0495	EA	20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	12,502.28	
33 61 13 00-0496	EA	24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	16,115.80	
<b>33 61 13 00-0497</b>		<b>Tees (33 61 13 00-0478)</b>		
<b>33 61 13 00-0498</b>		<b>Tees (33 61 13 00-0497)</b>		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0499	EA	4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,246.86	
33 61 13 00-0500	EA	6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,029.92	
33 61 13 00-0501	EA	8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,284.66	
33 61 13 00-0502	EA	10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,752.76	
33 61 13 00-0503	EA	12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	7,401.37	
<b>33 61 13 00-0504</b>		<b>Tees (33 61 13 00-0497)</b>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0505	EA	4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,455.95	
33 61 13 00-0506	EA	6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,335.26	
33 61 13 00-0507	EA	8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,726.08	
33 61 13 00-0508	EA	10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	6,316.98	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0509	EA	12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	8,148.13	
33 61	13 00-0510	EA	14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	9,765.48	
33 61	13 00-0511	EA	16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	11,575.80	
33 61	13 00-0512	EA	18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	14,458.60	
33 61	13 00-0513	EA	20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	18,329.62	
33 61	13 00-0514	EA	24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	23,620.13	
<b>33 61</b>	<b>13 00-0515</b>		<b>Reducers (33 61 13 00-0478)</b>		
<b>33 61</b>	<b>13 00-0516</b>		<b>Reducers (33 61 13 00-0515)</b> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0517	EA	4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,286.34	
33 61	13 00-0518	EA	6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,727.79	
33 61	13 00-0519	EA	8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,441.84	
33 61	13 00-0520	EA	10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,284.84	
33 61	13 00-0521	EA	12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,218.91	
<b>33 61</b>	<b>13 00-0522</b>		<b>Reducers (33 61 13 00-0515)</b> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0523	EA	4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,403.21	
33 61	13 00-0524	EA	6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,898.45	
33 61	13 00-0525	EA	8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,688.55	
33 61	13 00-0526	EA	10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,600.19	
33 61	13 00-0527	EA	12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,636.28	
33 61	13 00-0528	EA	14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,550.15	
33 61	13 00-0529	EA	16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	6,571.22	
33 61	13 00-0530	EA	18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	8,161.66	
33 61	13 00-0531	EA	20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	10,405.54	
33 61	13 00-0532	EA	24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	13,440.81	
<b>33 61</b>	<b>13 00-0533</b>		<b>Tempered Water Piping Pre-Insulated (33 61 13 00-0001)</b>		
<b>33 61</b>	<b>13 00-0534</b>		<b>Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation (33 61 13 00-0533)</b>		
33 61	13 00-0535	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation.....	117.07	20.63
33 61	13 00-0536	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation.....	151.67	23.04
33 61	13 00-0537	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation.....	211.46	25.61
33 61	13 00-0538	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation.....	290.80	32.02
33 61	13 00-0539	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation.....	373.00	39.49
<b>33 61</b>	<b>13 00-0540</b>		<b>Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation (33 61 13 00-0533)</b>		
33 61	13 00-0541	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation.....	58.07	23.04
33 61	13 00-0542	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation.....	69.52	23.04
33 61	13 00-0543	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation.....	80.40	23.04
33 61	13 00-0544	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation.....	96.10	27.24
33 61	13 00-0545	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation.....	116.46	34.57
<b>33 61</b>	<b>13 00-0546</b>		<b>Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation (33 61 13 00-0533)</b>		
33 61	13 00-0547	LF	4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation.....	58.07	23.04
33 61	13 00-0548	LF	6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation.....	69.52	23.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61 13 00-0549	LF	8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	79.35	23.04
33 61 13 00-0550	LF	10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	96.10	27.24
33 61 13 00-0551	LF	12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	116.46	34.57

### 33 70 Electrical Utilities<sup>(33)</sup>

#### 33 71 Electrical Utility Transmission and Distribution<sup>(33 70)</sup>

##### 33 71 19 Electrical Underground Ducts, Ductbanks and Manholes<sup>(33 71)</sup>

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

##### 33 71 19 13 Electrical Manholes and Handholes<sup>(33 71 19)</sup>

###### 33 71 19 13-0001 Electrical Handholes And Pull Boxes<sup>(33 71 19 13)</sup>

###### 33 71 19 13-0002 Electrical Pull Boxes<sup>(33 71 19 13-0001)</sup>

See CSI section 33 05 63 00-0427 for handholes.

33 71 19 13-0003	EA	24" x 36" x 24", Electric Pull Boxes, Precast Concrete .....	1,918.76
33 71 19 13-0004	EA	24" x 36" x 36", Electric Pull Boxes, Precast Concrete .....	2,297.43
33 71 19 13-0005	EA	30" x 48" x 36", Electric Pull Boxes, Precast Concrete .....	2,659.15
33 71 19 13-0006	EA	36" x 72" x 24", Electric Pull Boxes, Precast Concrete .....	4,131.60
33 71 19 13-0007	EA	36" x 60" x 36", Electric Pull Boxes, Precast Concrete .....	4,406.37
33 71 19 13-0008	EA	48" x 48" x 36", Electric Pull Boxes, Precast Concrete .....	4,738.73
33 71 19 13-0009	EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete .....	5,451.75

###### 33 71 19 13-0010 Electrical Pull Boxes (CALTRANS)<sup>(33 71 19 13-0001)</sup>

33 71 19 13-0011	EA	Body, CALTRANS 3-1/2 Precast Concrete Pull Box.....	126.46
33 71 19 13-0012	EA	Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	52.24
33 71 19 13-0013	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box .....	79.46
33 71 19 13-0014	EA	Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box .....	172.12
33 71 19 13-0015	EA	Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	268.20
		<i>For Galvanized Steel Cover, Add</i>	<b>46.51</b>
33 71 19 13-0016	EA	12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box.....	64.68
33 71 19 13-0017	EA	Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box.....	64.68
33 71 19 13-0018	EA	Body, CALTRANS 5 Precast Concrete Pull Box.....	180.32
33 71 19 13-0019	EA	Concrete Cover, CALTRANS 5 Precast Concrete Pull Box .....	70.43
33 71 19 13-0020	EA	Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	97.65
33 71 19 13-0021	EA	Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box.....	356.88
		<i>For Galvanized Steel Cover, Add</i>	<b>85.27</b>
33 71 19 13-0022	EA	12" Extension, CALTRANS 5 Precast Concrete Pull Box.....	93.11
33 71 19 13-0023	EA	Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box.....	86.85
33 71 19 13-0024	EA	Body, CALTRANS 6 Precast Concrete Pull Box.....	198.51
33 71 19 13-0025	EA	Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	94.88
33 71 19 13-0026	EA	Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	122.10
33 71 19 13-0027	EA	Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box .....	491.04
		<i>For Galvanized Steel Cover, Add</i>	<b>119.38</b>
33 71 19 13-0028	EA	12" Extension, CALTRANS 6 Precast Concrete Pull Box.....	111.30
33 71 19 13-0029	EA	Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	104.48
33 71 19 13-0030	EA	6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	145.41
33 71 19 13-0031	EA	Body, CALTRANS 3-1/2-T Precast Concrete Pull Box .....	293.03
33 71 19 13-0032	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box .....	429.65
33 71 19 13-0033	EA	12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box .....	134.04
33 71 19 13-0034	EA	Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box .....	122.67
33 71 19 13-0035	EA	Body, CALTRANS 5-T Precast Concrete Pull Box .....	380.42
33 71 19 13-0036	EA	Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box .....	622.93
33 71 19 13-0037	EA	12" Extension, CALTRANS 5-T Precast Concrete Pull Box.....	161.32
33 71 19 13-0038	EA	Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box .....	156.78
33 71 19 13-0039	EA	Body, CALTRANS 6-T Precast Concrete Pull Box .....	546.42
33 71 19 13-0040	EA	Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box .....	873.06
33 71 19 13-0041	EA	12" Extension, CALTRANS 6-T Precast Concrete Pull Box.....	275.02
33 71 19 13-0042	EA	Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box .....	213.62

###### 33 71 19 13-0043 Electrical Property Line Boxes<sup>(33 71 19 13)</sup>

33 71 19 13-0044	EA	3'-6" x 2'-9" x 2' Deep Property Line Box .....	3,796.40	389.21
33 71 19 13-0045	EA	4'-6" x 3'-6" x 4' Deep Property Line Box .....	4,441.60	403.62
33 71 19 13-0046	EA	6' x 4' x 5' Deep Property Line Box .....	4,890.89	490.11
33 71 19 13-0047	EA	11'-6" x 4'-6" x 6' Deep Property Line Box .....	7,477.52	720.75

###### 33 71 19 13-0048 Manhole Accessories<sup>(33 71 19 13)</sup>

33 71 19 13-0049	EA	6" Precast Grade Ring Riser Casting.....	434.66
33 71 19 13-0050	EA	12" Precast Grade Ring Riser Casting.....	470.71
33 71 19 13-0051	EA	36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D).....	2,540.47
33 71 19 13-0052	EA	42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1).....	3,327.01
33 71 19 13-0053	EA	Cast Iron Adjusting Ring (NEENAH #R-1979).....	1,019.63
33 71 19 13-0054	EA	Cast Iron Frame And Cover (NEENAH #R-1640-B) .....	1,317.83

##### 33 71 19 23 Trenched Electrical Underground Duct and Ductbanks<sup>(33 71 19)</sup>

<b>33</b>	<b>33</b>	<b>Utilities</b>
	<b>33 70</b>	<b>Electrical Utilities</b>
	<b>33 71</b>	<b>Electrical Utility Transmission and Distribution</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 71 19 23-0001				Underground Electrical Concrete Markers <small>(33 71 19 23)</small>			
33 71 19 23-0002	EA			36" x 6" x 6", Underground Electric Concrete Marker .....			292.30

**END OF SECTION 33**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 34 Transportation

### 34 40 Transportation Signaling and Control Equipment <sup>(34)</sup>

#### 34 41 Roadway Signaling and Control Equipment <sup>(34 40)</sup>

##### 34 41 13 Traffic Signals <sup>(34 41)</sup>

##### 34 41 13 00-0001 Traffic Signals <sup>(34 41 13)</sup>

34 41 13 00-0002	EA	Single Traffic Signal Head, 4 Way Pattern.....	6,460.44	677.10
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##### 34 41 13 00-0003 Traffic Detector Induction Loop <sup>(34 41 13)</sup>

34 41 13 00-0004	EA	6' x 6', Type A, 3 Turns Per Loop, Traffic Detector Induction Loop.....	366.19	
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0005	EA	6' x 6', Type D, 3 Turns Per Loop, Traffic Detector Induction Loop.....	456.50	
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0006	EA	6' x 6', Type D, 5 Turns Per Loop, Traffic Detector Induction Loop.....	517.14	
Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0007	EA	6' x 6', Type Q, 3 Turns Per Loop, Traffic Detector Induction Loop.....	446.83	
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0008	EA	6' x 20', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop.....	775.34	
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0009	EA	6' x 28', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop.....	950.74	
Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0010	EA	6' x 28', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop.....	1,014.00	
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0011	EA	6' x 40', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop.....	1,262.41	
Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0012	EA	6' x 40', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop.....	1,354.64	
Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0013	EA	6' x 50', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop.....	1,446.48	
Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0014	EA	6' x 50', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop.....	1,559.11	
Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0015	LF	In Pavement, Lead Wire For Traffic Signal Detector.....	7.33	
Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.				
34 41 13 00-0016	LF	In Earthwork, Lead Wire For Traffic Signal Detector.....	3.30	
Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.				
34 41 13 00-0017	EA	2 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model 222).....	257.33	
34 41 13 00-0018	EA	4 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model E-1100).....	753.68	
34 41 13 00-0019	EA	2 Channel, Rack Mounted, Traffic Loop Bicycle Detector (Reno A&E Model C-1100).....	462.45	

##### 34 41 13 00-0020 Overhead Traffic Signals <sup>(34 41 13)</sup>

34 41 13 00-0021	EA	Vehicle Signal Face, LED, 1 - 12" Section.....	509.28	143.88
34 41 13 00-0022	EA	Vehicle Signal Face, LED, 2 - 12" Sections.....	842.70	203.13
34 41 13 00-0023	EA	Vehicle Signal Face, LED, 3 - 12" Sections.....	1,198.36	248.27
34 41 13 00-0024	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Middle Section Blank.....	1,132.57	248.27
34 41 13 00-0025	EA	Vehicle Signal Face, LED, 4 - 12" Sections.....	1,539.90	276.48
34 41 13 00-0026	EA	Vehicle Signal Face, LED, 5 - 12" Sections.....	1,858.88	293.41
34 41 13 00-0027	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Cluster.....	1,986.08	293.41
34 41 13 00-0028	EA	Vehicle Signal Face, LED, 1 - 8" Section.....	476.39	143.88
34 41 13 00-0029	EA	Vehicle Signal Face, LED, 2 - 8" Sections.....	776.90	203.13
34 41 13 00-0030	EA	Vehicle Signal Face, LED, 3 - 8" Sections.....	1,038.26	248.27
34 41 13 00-0031	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 1 - 12" Section.....	1,119.41	248.27
34 41 13 00-0032	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 2 - 12" Sections.....	1,399.54	276.48
34 41 13 00-0033	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 1 - 12" Section.....	1,353.48	276.48
34 41 13 00-0034	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections.....	1,617.62	293.41
34 41 13 00-0035	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections In Cluster.....	1,720.70	293.41
34 41 13 00-0036	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Optically Programmed.....	2,558.15	248.27
34 41 13 00-0037	EA	Vehicle Signal Face, LED, 4 - 12" Sections, Optically Programmed.....	3,366.84	276.48
34 41 13 00-0038	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Optically Programmed.....	4,424.92	293.41
34 41 13 00-0039	EA	Vehicle Signal Face, LED, 5 - 12" Sections In Cluster, Optically Programmed.....	4,808.73	293.41
34 41 13 00-0040	EA	Bracket Signal Mounting Assembly.....	502.04	112.85
34 41 13 00-0041	EA	Mast Arm Signal Mounting Assembly.....	876.87	225.70
34 41 13 00-0042	EA	Top Pole Signal Mounting Assembly.....	305.26	84.63
34 41 13 00-0043	EA	Pedestrian Signal Head.....	930.70	169.28

**34 Transportation****34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0044 EA Pedestrian Signal Insert.....	583.79	84.63
34 41 13 00-0045 EA Audible Pedestrian Signal.....	1,166.12	
34 41 13 00-0046 EA Junction Box, Pole Or Post Mounted.....	475.52	
34 41 13 00-0047 EA Pedestrian Push Button.....	422.31	
34 41 13 00-0048 EA Illuminated Sign, Bracket Mounted, Symbolic.....	3,506.85	
34 41 13 00-0049 EA Illuminated Sign, Mast Arm Mounted, Symbolic.....	3,657.57	
34 41 13 00-0050 EA Sign, Message, "BLANK OUT", Bracket Mounted.....	3,864.84	
34 41 13 00-0051 EA Sign, Message, "BLANK OUT", Mast Arm Mounted.....	4,107.35	
34 41 13 00-0052 EA Sign, Fiber Optic, Bracket Mounted.....	4,407.94	
34 41 13 00-0053 EA Sign, Fiber Optic, Mast Arm Mounted.....	4,655.51	
34 41 13 00-0054 EA 16" Pedestal With Base Plate And Cover.....	1,681.45	146.51
34 41 13 00-0055 EA 30' Type 15TS Signal And Lighting Standard.....	6,591.72	
Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness.		
34 41 13 00-0056 EA 35' Type 21TS Signal And Lighting Standard.....	7,683.83	
Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0057 EA 17' Type 18-2-100 Signal And Lighting Standard.....	3,672.94	
Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0058 EA 17' Type 18-3-100 Signal And Lighting Standard.....	4,094.60	
Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0059 EA 17' Type 18-4-100 Or 23-4-100 Signal And Lighting Standard.....	4,256.24	
Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness.		
34 41 13 00-0060 EA 17' Type 23-3-100 Signal And Lighting Standard.....	4,256.24	
Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0061 EA 17' Type 23-4-100 Signal And Lighting Standard.....	4,341.10	
Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0062 EA 17' Type 27-3-100 Signal And Lighting Standard.....	4,765.42	
Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.		
34 41 13 00-0063 EA 17' Type 27-4-100 Signal And Lighting Standard.....	4,862.99	
Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.		
34 41 13 00-0064 EA 17' Type 28-5-100 Signal And Lighting Standard.....	5,063.06	
Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0065 EA 17' Type 60-5-100 Signal And Lighting Standard.....	5,378.15	
Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0066 EA 18'-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard.....	3,920.99	
Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness.		
34 41 13 00-0067 EA 30' Type 17-2-100 Or 17-3-100 Signal And Lighting Standard.....	7,034.47	
Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness.		
34 41 13 00-0068 EA 30' Type 19-2-100 Signal And Lighting Standard.....	7,919.97	
Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0069 EA 30' Type 19-3-100 Or 24-3-100 Signal And Lighting Standard.....	8,259.41	
Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0070 EA 30' Type 19-4-100 Or 24-4-100 Signal And Lighting Standard.....	8,259.41	
Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0071 EA 30' Type 26-3-100 Signal And Lighting Standard.....	9,328.64	
Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0072 EA 30' Type 26-4-100 Signal And Lighting Standard.....	9,738.52	
Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0073 EA 30' Type 29-5-100 Signal And Lighting Standard.....	10,168.87	
Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0074 EA 30' Type 61-5-100 Signal And Lighting Standard.....	10,846.72	
Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0075 EA 35' Type 17A-2-100 Signal And Lighting Standard.....	8,179.96	
Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0076 EA 35' Type 19A-2-100 Signal And Lighting Standard.....	9,213.03	
Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0077 EA 35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard.....	9,609.06	
Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0078 EA 35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard.....	9,609.06	
Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0079 EA 35' Type 26A-3-100 Signal And Lighting Standard.....	10,856.49	
Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0080 EA 35' Type 26A-4-100 Signal And Lighting Standard.....	11,334.68	
Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0081 EA 35' Type 29A-5-100 Signal And Lighting Standard.....	11,836.77	
Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0082 EA 35' Type 61A-5-100 Signal And Lighting Standard.....	12,627.56	
Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness.		
34 41 13 00-0083 EA 15' Steel Straight Mast Arm, MONOTUBE.....	2,654.16	
34 41 13 00-0084 EA 20' Steel Straight Mast Arm, MONOTUBE.....	2,785.83	
34 41 13 00-0085 EA 25' Steel Straight Mast Arm, MONOTUBE.....	2,986.82	
34 41 13 00-0086 EA 30' Steel Straight Mast Arm, MONOTUBE.....	4,061.48	
34 41 13 00-0087 EA 35' Steel Straight Mast Arm, MONOTUBE.....	4,903.23	
34 41 13 00-0088 EA 40' Steel Straight Mast Arm, MONOTUBE.....	5,267.93	
34 41 13 00-0089 EA 45' Steel Straight Mast Arm, MONOTUBE.....	5,787.19	
34 41 13 00-0090 EA 50' Steel Straight Mast Arm, MONOTUBE.....	6,570.17	
34 41 13 00-0091 EA 55' Steel Straight Mast Arm, MONOTUBE.....	7,470.60	
34 41 13 00-0092 EA 60' Steel Straight Mast Arm, MONOTUBE.....	8,048.26	
34 41 13 00-0093 EA 65' Steel Straight Mast Arm, MONOTUBE.....	9,342.59	
34 41 13 00-0094 EA 4' Steel Curved Luminaire Mast Arm.....	903.73	
34 41 13 00-0095 EA 6' Steel Curved Luminaire Mast Arm.....	1,176.74	
For High Rise Arm, Add	105.42	
34 41 13 00-0096 EA 8' Steel Curved Luminaire Mast Arm.....	1,472.33	
34 41 13 00-0097 EA 10' Steel Curved Luminaire Mast Arm.....	2,001.98	
For High Rise Arm, Add	155.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0098 EA 12' Steel Curved Luminaire Mast Arm ..... <i>For High Rise Arm, Add</i>	2,218.74 183.00	
34 41 13 00-0099 EA 15' Steel Curved Luminaire Mast Arm ..... <i>For High Rise Arm, Add</i>	2,328.07 204.09	
34 41 13 00-0100 EA 20' Steel Curved Luminaire Mast Arm ..... <i>For High Rise Arm, Add</i>	2,653.71 243.72	
34 41 13 00-0101 EA 15' Tubular Aluminum Post.....	951.34	
34 41 13 00-0102 EA 17' Tubular Aluminum Post.....	1,011.45	
34 41 13 00-0103 EA 20' Tubular Aluminum Post.....	1,122.82	
34 41 13 00-0104 EA 14' High Galvanized Steel Traffic Signal Pole..... Note: For mast arm.	3,251.28	
34 41 13 00-0105 EA 21' High Galvanized Steel Traffic Signal Pole..... Note: For mast arm.	4,994.16	
34 41 13 00-0106 EA 22' High Galvanized Steel Traffic Signal Pole..... Note: For mast arm and luminare arm.	5,190.93	
34 41 13 00-0107 EA 30' High Galvanized Steel Traffic Signal Pole, Tapered, For >55' Mast Arm ..... Note: For mast arm and luminare arm.	7,030.21	
34 41 13 00-0108 EA 32' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm ..... Note: For mast arm and luminare arm.	7,467.92	
34 41 13 00-0109 EA 30' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm ..... 34 41 13 00-0110 EA 30' High Galvanized Steel Traffic Signal Pole, Octaflute .....	5,806.36 5,165.63	
34 41 13 00-0111 EA 30' (High Spun Aluminum Traffic Signal Pole, Tapered) .....	4,196.50	
34 41 13 00-0112 EA Type 26-6-70 Signal Pole With 55' SMA And 20' LMA .....	23,974.20	
34 41 13 00-0113 EA Type 29-6-70 Signal Pole With 65' SMA And 20' LMA .....	27,577.35	
34 41 13 00-0114 EA CUT-OFF POLE AND CAPPED .....	152.72	
34 41 13 00-0115 EA PAINT EXISTING SL/TS CONTROLLER COMPLETE .....	46.11	
34 41 13 00-0116 EA PAINT EXISTING TS POST COMPLETE.....	216.42	
34 41 13 00-0117 EA 1 Channel Loop Detector Amplifier .....	1,487.40	
34 41 13 00-0118 EA 4 Channel Loop Detector Amplifier .....	2,829.78	
34 41 13 00-0119 EA FLASHING BEACON WITH DOWNLIGHT.....	2,061.54	
34 41 13 00-0120 EA Flashing Beacon, Bracket Mounted .....	679.84	
34 41 13 00-0121 EA Flashing Beacon, Mast Arm Mounted.....	679.84	
34 41 13 00-0122 EA Flashing Beacon, Solar Powered, Bracket Mounted.....	18,645.76	
34 41 13 00-0123 EA Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US).....	3,977.75	
34 41 13 00-0124 EA Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US) .....	2,126.57	
34 41 13 00-0125 EA Smart Sensor HD (Wavetronix HD125) .....	11,408.10	
34 41 13 00-0126 EA Access Point (Sensys AP240-ES)..... Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.	5,264.00	
34 41 13 00-0127 EA Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA.....	9,120.02	
34 41 13 00-0128 EA Mounting Kit for Access Points and Repeaters (KIT-MTG).....	312.72	
34 41 13 00-0129 EA Repeater (Sensys RP240-B-LL) .....	2,410.80	
34 41 13 00-0130 EA Wireless Flush Mounted Sensor (Sensys VSN240-F)..... Note: Excludes coring.	1,062.37	
34 41 13 00-0131 EA Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug .....	2,644.35	
34 41 13 00-0132 EA Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles.....	6,960.82	1.40
34 41 13 00-0133 EA Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 & 26-4-80 Poles.....	9,118.60	1.40
34 41 13 00-0134 EA Pole Base Foundation for Type 15 and 21 Poles.....	5,427.16	1.40
34 41 13 00-0135 EA Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles.....	6,960.82	1.40
34 41 13 00-0136 EA Pole Base Foundation for 26-4-100 And 27-4-100 Poles .....	9,118.60	1.40
34 41 13 00-0137 EA LED Enhanced Pedestrian Crossing Symbol Sign .....	1,845.64	87.73
34 41 13 00-0138 EA 42" Height, 8-1/2" Diameter Automatic Bollard Activation System..... Note: 4 required per system.	5,239.96	526.38
34 41 13 00-0139 EA Power Control Unit With Enclosure (Solar)..... Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).	19,262.64	350.92
34 41 13 00-0140 EA Power Control Unit With Enclosure (A/C) .....	12,284.24	350.92
34 41 13 00-0141 EA Push Button Assembly With Sign .....	1,002.43	175.46
34 41 13 00-0142 EA Advanced Warning Signs.....	2,073.80	175.46
34 41 13 00-0143 EA Traffic Signal Controller Unit, TS 2 Type 1 (ASC/3-1000).....	5,959.91	
34 41 13 00-0144 EA Traffic Signal Controller Unit, TS 2 Type 2 (ASC/3-2100).....	6,146.33	
34 41 13 00-0145 EA Traffic Signal Controller Unit, TS 2 Type 2 Econolite Model ASC/2S-2100 .....	57,061.47	
34 41 13 00-0146 EA Traffic Signal Controller Unit, Replacement For Type 170E (ASC/3RM) .....	6,398.55	902.80
34 41 13 00-0147 EA Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way .....	1,088.64	
34 41 13 00-0148 EA Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way .....	1,198.30	
34 41 13 00-0149 EA Optical Detector For Mast Arm Mounting, 2 Channel .....	1,557.98	
34 41 13 00-0150 EA 2 Channel Phase Selector.....	3,721.63	
34 41 13 00-0151 EA 4 Channel Phase Selector .....	5,794.20	
34 41 13 00-0152 EA Malfunction Management Unit For Use With NEMA Controller.....	1,850.60	
34 41 13 00-0153 EA Malfunction Management Unit For Use With Type 170E Or 2070 Controller.....	1,850.60	48.02
34 41 13 00-0154 EA Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way .....	1,088.64	192.09
34 41 13 00-0155 EA Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way .....	1,198.30	192.09
34 41 13 00-0156 EA Optical Detector For Pole-Side Mounting, 2 Channel .....	1,557.98	192.09
34 41 13 00-0157 EA Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way.....	1,088.64	192.09
34 41 13 00-0158 EA Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way.....	1,198.30	192.09
34 41 13 00-0159 EA Optical Detector For Pedestal Or Pipe Mounting, 2 Channel.....	1,557.98	192.09

**34 Transportation****34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0160 EA Optical Detector For Span Wire Mounting, 1 Channel, 1 Way.....	1,088.64	192.09
34 41 13 00-0161 EA Optical Detector For Span Wire Mounting, 1 Channel, 2 Way.....	1,198.30	192.09
34 41 13 00-0162 EA Optical Detector For Span Wire Mounting, 2 Channel.....	1,557.98	192.09
34 41 13 00-0163 EA Optical Detector For Signal Top Mounting, 1 Channel, 1 Way.....	1,088.64	192.09
34 41 13 00-0164 EA Optical Detector For Signal Top Mounting, 1 Channel, 2 Way.....	1,198.30	192.09
34 41 13 00-0165 EA Optical Detector For Signal Top Mounting, 2 Channel.....	1,557.98	192.09
34 41 13 00-0166 EA Time Switch, 1-Circuit.....	332.18	
34 41 13 00-0167 EA Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal.....	370.54	
34 41 13 00-0168 EA Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay.....	486.78	
34 41 13 00-0169 EA Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal.....	695.13	
34 41 13 00-0170 EA Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay.....	874.97	
34 41 13 00-0171 EA Digital Loop-Type Vehicle Detector Card Rack With Power Supply.....	2,388.28	
34 41 13 00-0172 EA Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet.....	2,388.28	
34 41 13 00-0173 EA Power Line Surge Protector - Edco SHP 300-10.....	217.04	
34 41 13 00-0174 EA Loop Detector Surge Protector - Edco SRA-6LC.....	108.39	
34 41 13 00-0175 EA Controller Cabinet (Econolite Type "O").....	32,517.64	
34 41 13 00-0176 EA Controller Cabinet With 1 Detector Rack And 1 Load Switch Bay.....	13,925.89	
34 41 13 00-0177 EA Controller Cabinet With 1 Detector Rack And 2 Load Switch Bays.....	15,176.01	
34 41 13 00-0178 EA Controller Cabinet With 2 Detector Racks And 1 Load Switch Bay.....	16,678.35	
34 41 13 00-0179 EA Controller Cabinet With 2 Detector Racks And 2 Load Switch Bays.....	17,138.92	
34 41 13 00-0180 EA Speed Limit Beacon Control Cabinet.....	6,837.19	
34 41 13 00-0181 EA Speed Limit Beacon Control Option.....	6,160.10	338.54
34 41 13 00-0182 EA Remote Detector Cabinet.....	3,437.73	
34 41 13 00-0183 EA Traffic Signal Hand Control.....	993.32	
34 41 13 00-0184 EA Extra Pedestrian Detector Isolation Assembly.....	774.00	
34 41 13 00-0185 EA Fiber Optic Transceivers-Repeater Module.....	909.08	
34 41 13 00-0186 EA Field Transceiver-Repeater.....	438.61	
34 41 13 00-0187 EA Load Switch.....	99.94	
34 41 13 00-0188 EA 30" Pedestal With Base Plate And Cover.....	868.51	
34 41 13 00-0189 EA 8' Pedestal With Base Plate And Cover.....	1,287.84	
34 41 13 00-0190 EA 11' Pedestal With Base Plate And Cover.....	1,434.35	
34 41 13 00-0191 EA 15' Pedestal With Base Plate And Cover.....	1,590.07	
34 41 13 00-0192 LF 6-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.21	
34 41 13 00-0193 LF 12-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.30	
34 41 13 00-0194 LF 24-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.53	
34 41 13 00-0195 LF 36-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.75	
34 41 13 00-0196 LF 48-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.99	
34 41 13 00-0197 LF 72-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	2.38	
34 41 13 00-0198 LF 96-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	2.76	
34 41 13 00-0199 LF 144-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	3.47	
34 41 13 00-0200 LF 3/16" Diameter Messenger Cable.....	0.67	0.10
34 41 13 00-0201 LF 1/4" Diameter Messenger Cable.....	0.80	0.10
34 41 13 00-0202 LF 3/8" Diameter Messenger Cable.....	1.48	0.10
34 41 13 00-0203 LF 1/2" Diameter Messenger Cable.....	3.08	0.21
34 41 13 00-0204 EA 4' Diameter x 10' Concrete Base For Poles.....	2,572.17	
34 41 13 00-0205 EA 4' Diameter x 16' Concrete Base For Poles.....	4,085.19	
Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.		
34 41 13 00-0206 EA Internally Illuminated Street Name Sign, 1 Line, 4'.....	2,732.32	225.70
34 41 13 00-0207 EA Internally Illuminated Street Name Sign, 1 Line, 6'.....	3,371.55	282.13
34 41 13 00-0208 EA Internally Illuminated Street Name Sign, 1 Line, 8'.....	3,659.85	338.54
34 41 13 00-0209 EA Internally Illuminated Street Name Sign, 1 Line, 10'.....	4,123.61	394.97
34 41 13 00-0210 EA Internally Illuminated Street Name Sign, 1 Line, 12'.....	4,411.92	451.39
34 41 13 00-0211 EA Internally Illuminated Street Name Sign, 2 Line, 4'.....	4,390.38	225.70
34 41 13 00-0212 EA Internally Illuminated Street Name Sign, 2 Line, 6'.....	5,406.84	282.13
34 41 13 00-0213 EA Internally Illuminated Street Name Sign, 2 Line, 8'.....	5,817.96	338.54
34 41 13 00-0214 EA Internally Illuminated Street Name Sign, 2 Line, 10'.....	6,492.27	394.97
34 41 13 00-0215 EA Internally Illuminated Street Name Sign, 2 Line, 12'.....	6,956.03	451.39
34 41 13 00-0216 EA Photoelectric Controller, Multi-Volt.....	82.84	24.97
34 41 13 00-0217 EA Photoelectric Controller, 120 Volt.....	85.96	24.97
34 41 13 00-0218 EA Photoelectric Controller, 480 Volt.....	85.96	24.97
34 41 13 00-0219 EA Wi-Fi Communication Unit.....	1,429.77	112.85
34 41 13 00-0220 EA Wi-Fi Communication Unit Mounting Bracket.....	278.94	84.63
34 41 13 00-0221 EA Wi-Fi Communication Unit Power Supply / POE Injector.....	264.18	56.43
34 41 13 00-0222 EA Wi-Fi Communication Unit Packet.....	1,972.88	169.28
34 41 13 00-0223 LF Preemptor Detector Cable.....	1.81	
34 41 13 00-0224 EA Sno-Shoe Cable Storage Assembly.....	249.34	
<b>34 41 13 00-0225 Traffic Signal Cable <small>(34 41 13)</small></b>		
34 41 13 00-0226 LF 16 AWG, 2-Conductor, Solid, Traffic Signal Cable.....	1.79	0.78
34 41 13 00-0227 LF 16 AWG, 3-Conductor, Solid, Traffic Signal Cable.....	2.00	0.85
34 41 13 00-0228 LF 16 AWG, 4-Conductor, Solid, Traffic Signal Cable.....	2.22	0.90
34 41 13 00-0229 LF 16 AWG, 5-Conductor, Solid, Traffic Signal Cable.....	2.41	0.95
34 41 13 00-0230 LF 16 AWG, 6-Conductor, Solid, Traffic Signal Cable.....	2.64	1.01
34 41 13 00-0231 LF 16 AWG, 8-Conductor, Solid, Traffic Signal Cable.....	3.05	1.12
34 41 13 00-0232 LF 16 AWG, 10-Conductor, Solid, Traffic Signal Cable.....	3.59	1.29
34 41 13 00-0233 LF 16 AWG, 12-Conductor, Solid, Traffic Signal Cable.....	4.11	1.46
34 41 13 00-0234 LF 16 AWG, 16-Conductor, Solid, Traffic Signal Cable.....	4.86	1.63
34 41 13 00-0235 LF 16 AWG, 20-Conductor, Solid, Traffic Signal Cable.....	5.72	1.80
34 41 13 00-0236 LF 14 AWG, 2-Conductor, Solid, Traffic Signal Cable.....	1.85	0.78





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0237 LF 14 AWG, 3-Conductor, Solid, Traffic Signal Cable .....	2.09	0.85
34 41 13 00-0238 LF 14 AWG, 4-Conductor, Solid, Traffic Signal Cable .....	2.32	0.90
34 41 13 00-0239 LF 14 AWG, 5-Conductor, Solid, Traffic Signal Cable .....	2.53	0.95
34 41 13 00-0240 LF 14 AWG, 6-Conductor, Solid, Traffic Signal Cable .....	2.80	1.01
34 41 13 00-0241 LF 14 AWG, 8-Conductor, Solid, Traffic Signal Cable .....	3.26	1.12
34 41 13 00-0242 LF 14 AWG, 10-Conductor, Solid, Traffic Signal Cable .....	3.84	1.29
34 41 13 00-0243 LF 14 AWG, 12-Conductor, Solid, Traffic Signal Cable .....	4.41	1.46
34 41 13 00-0244 LF 14 AWG, 16-Conductor, Solid, Traffic Signal Cable .....	5.26	1.63
34 41 13 00-0245 LF 14 AWG, 20-Conductor, Solid, Traffic Signal Cable .....	6.26	1.80
34 41 13 00-0246 LF 12 AWG, 2-Conductor, Solid, Traffic Signal Cable .....	1.98	0.78
34 41 13 00-0247 LF 12 AWG, 3-Conductor, Solid, Traffic Signal Cable .....	2.28	0.85
34 41 13 00-0248 LF 12 AWG, 4-Conductor, Solid, Traffic Signal Cable .....	2.57	0.90
34 41 13 00-0249 LF 12 AWG, 5-Conductor, Solid, Traffic Signal Cable .....	2.83	0.95
34 41 13 00-0250 LF 12 AWG, 6-Conductor, Solid, Traffic Signal Cable .....	3.17	1.01
34 41 13 00-0251 LF 12 AWG, 8-Conductor, Solid, Traffic Signal Cable .....	3.74	1.12
34 41 13 00-0252 LF 12 AWG, 10-Conductor, Solid, Traffic Signal Cable .....	4.44	1.29
34 41 13 00-0253 LF 12 AWG, 12-Conductor, Solid, Traffic Signal Cable .....	5.13	1.46
34 41 13 00-0254 LF 12 AWG, 16-Conductor, Solid, Traffic Signal Cable .....	6.22	1.63
34 41 13 00-0255 LF 12 AWG, 20-Conductor, Solid, Traffic Signal Cable .....	7.53	1.80
<b>34 41 13 00-0256 School Zone Flasher Beacons <small>(34 41 13)</small></b>		
34 41 13 00-0257 EA One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly .....	5,754.58	167.30
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0258 EA One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly .....	5,796.24	167.30
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0259 EA Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly .....	6,503.59	167.30
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0260 EA Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly .....	6,636.92	167.30
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0261 EA 10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly ...	12,267.73	167.30
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0262 EA 10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly ...	12,790.21	167.30
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		
<b>34 41 13 00-0263 Traffic Light Control Synchronization <small>(34 41 13)</small></b>		
34 41 13 00-0264 EA ENCOM COMPAK IP Radio/Wireless Ethernet Transceiver, 900 MHz FHSS 1 Watt output power and 128-bit data encryption with 1.1Mbps Throughput .....	4,959.81	
34 41 13 00-0265 EA ENCOM 5200R 900 MHz Serial Radio Modem, contains one Serial (RS-232 or RS-485) interface and 170/TS1/TS2 detector rack (EPR-5200R) .....	3,671.80	
34 41 13 00-0266 EA ENCOM Dual 2.4/2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24/24) .....	8,223.09	
34 41 13 00-0267 EA 5.8 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB58INT) .....	5,700.18	
34 41 13 00-0268 EA 2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24INT) .....	5,700.18	
34 41 13 00-0269 EA Solar Cabinet Assembly .....	15,085.41	
34 41 13 00-0270 EA Data Controller Interface Cable Assembly .....	575.95	
34 41 13 00-0271 EA 900 MHZ Splitter .....	720.74	
34 41 13 00-0272 EA 900 MHz Surge Suppressor .....	262.90	
34 41 13 00-0273 EA Surge-Radio Lead in Cable .....	165.64	
34 41 13 00-0274 EA 12DB GAIN YAGI Antenna .....	707.42	
34 41 13 00-0275 EA PELCO Antenna Mounting Bracket .....	453.24	
34 41 13 00-0276 MLF Coaxial Cable, LMR-400 .....	4,002.55	
34 41 13 00-0277 EA Perle 16 Port Serial Server .....	3,842.84	
34 41 13 00-0278 EA Serial to Ethernet Card .....	2,170.80	
34 41 13 00-0279 EA 404 Stand Alone Modem (GDI 404) .....	2,022.16	
<b>34 41 13 00-0280 Traffic Signal Controls <small>(34 41 13)</small></b>		
34 41 13 00-0281 EA Master Card for Type 2070 or NEMA TS2 traffic controllers (CC-TS2) .....	1,689.35	
34 41 13 00-0282 EA Extension Card for Type 2070 or NEMA traffic controllers (EX-TS2) .....	746.23	
34 41 13 00-0283 EA AccessBox for contract closure master card (CC-ACC) .....	260.44	
34 41 13 00-0284 EA Flush Mount Wireless Sensor (ATT VSN240-F) .....	998.29	
34 41 13 00-0285 EA Flush Mount Wireless Sensor (Speed & Count VSN240-F) .....	998.29	
34 41 13 00-0286 EA Epoxy Tube for Installation of Wireless Sensor (VSN240-EPX) .....	152.94	
34 41 13 00-0287 EA SNAPS License for each enabled AP (SNAPS-PER-AP) .....	427.88	
<b>34 41 13 00-0288 Traffic Signal Devices <small>(34 41 13)</small></b>		
34 41 13 00-0289 EA 12" Polycarbonate Signal Head Housing (McCain) .....	908.56	78.95
34 41 13 00-0290 EA 16" Polycarbonate Pedestrian Signal Housing (McCain) .....	451.22	61.41
34 41 13 00-0291 EA Pedestrian Push Button Cap & Switch (McCain M31334) .....	303.16	114.05
34 41 13 00-0292 EA Pedestrian Push Button Frame Assembly 4" Diameter Pole (McCain M19712) .....	408.44	166.68
34 41 13 00-0293 EA Pedestrian Push Button Frame Assembly 2" Diameter Pole (McCain M30793) .....	311.98	131.59
34 41 13 00-0294 EA 16 Channel Conflict Monitor (McCain 2010 ECLIP) .....	1,399.52	57.02
34 41 13 00-0295 EA LED Countdown Head (McCain GTX PS7-CFF1-VLA) .....	282.19	21.93

**34 Transportation****34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41	13 00-0296	EA	Traffic signal Video Detection Camera (Iteris RZ4-awdr).....	3,186.19	96.50
34 41	13 00-0297	EA	Camera processor card (Iteris Edge Connect).....	7,317.99	140.37
34 41	13 00-0298	EA	Wireless Broadband Radio (Encom BB58).....	6,911.05	131.59
34 41	13 00-0299	EA	24-port Gigabit and 4-port 1G/10G SFP+ Ethernet Switch (Etherwan EX77900).....	4,554.88	105.28
34 41	13 00-0300	EA	Power Adapter (Mean Well DR-120-48).....	143.89	32.90
34 41	13 00-0301	LF	14/1 Cal Trans Type 2 Inductive Traffic Detection Loops (Advanced Digital Cable 8452).....	0.78	
34 41	13 00-0302	EA	Radar Detection System (Wavetronix Matrix).....	13,077.49	333.38
34 41	13 00-0303	EA	Pedestrian Audio Push Button (Polaris APS).....	353.93	83.35
34 41	13 00-0304	EA	Opticom Infrared System - Detector (GTT 711).....	993.47	78.25
34 41	13 00-0305	EA	Opticom Infrared System - Detector (GTT 721).....	1,111.53	87.55
34 41	13 00-0306	EA	Opticom Infrared System - Detector (GTT 722).....	1,548.13	121.94
34 41	13 00-0307	EA	Opticom Multimode Phase Selector (GTT 764).....	5,306.89	72.18
34 41	13 00-0308	LF	Opticom GPS Installation Cable (GTT 1070).....	0.94	
34 41	13 00-0309	EA	Precast Concrete Traffic Pull Box, 5-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1324).....	869.65	
34 41	13 00-0310	EA	Precast Concrete Traffic Pull Box, 6-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1730).....	922.57	
34 41	13 00-0311	EA	UPS Module (Alpha Technologies FXM 350).....	1,424.56	48.02
34 41	13 00-0312	EA	Note: For battery backup in traffic signal control cabinet Web Connected Relay Switch (Control by Web X-301 WebRelay-Dual).....	435.41	39.48
34 41	13 00-0313	LF	Note: To control flashing "School" signs Fiber optic cable, 72 strand, single mode, riser non-plenum jacket (Optical Cable Corp DX072DSLX9KR).....	10.05	0.40
34 41	13 00-0314	LF	Fiber optic cable, 12 strand, multi mode, riser non-plenum jacket (Superior Essex W30126G01 MM Fiber).....	2.32	0.34
34 41	13 00-0315	EA	12" LED Signal Module, Tinted Lens, Red (GE DR6-RTFB-VLA).....	118.34	39.48
34 41	13 00-0316	EA	12" LED Signal Module, Tinted Lens, Yellow (GE DR6-YTFB-VLA).....	118.34	39.48
34 41	13 00-0317	EA	12" LED Signal Module, Tinted Lens, Green (GE DR6-GTFB-VLA).....	118.34	39.48
34 41	13 00-0318	EA	12" LED Signal Module, Clear Lens, Red (GE DR6-RCFB-VLA).....	118.34	39.48
34 41	13 00-0319	EA	12" LED Signal Module, Clear Lens, Yellow (GE DR6-YCFB-VLA).....	118.34	39.48
34 41	13 00-0320	EA	12" LED Signal Module, Clear Lens, Green (GE DR6-GCFB-VLA).....	118.34	39.48
34 41	13 00-0321	EA	LED Countdown Pedestrian Signal, 16" x 18" (GE PS7-CFF1-VLA).....	356.10	100.89
34 41	13 00-0322	EA	EOC Switch (Actellis ML688).....	5,137.72	312.13
34 41	13 00-0323	EA	Ethernet Extender Kit (ENABLE-IT 860 Pro).....	1,390.46	72.03
34 41	13 00-0324	EA	#5 pull box lid (Concrete, Bolt down) (Christy N30T).....	107.07	20.18
34 41	13 00-0325	EA	#5 pull box lid (Steel, Bolt down) (Christy N30-61J).....	399.72	29.21
34 41	13 00-0326	EA	#6 pull box lid (Concrete, Bolt down) (Christy N36T).....	135.05	20.18
34 41	13 00-0327	EA	#6 pull box lid (Steel, Bolt down) (Christy N36-61J).....	486.34	29.21
34 41	13 00-0328	EA	Battery Back-up (Alpha FXM110 UPS).....	3,384.45	96.04
34 41	13 00-0329	EA	Battery (Alpha AlphaCell 220GXL).....	473.66	24.01
34 41	13 00-0330	EA	BBS Cabinet (Alpha SE48-1616).....	3,837.36	216.09
34 41	13 00-0331	LF	Fiber 72 Strands (Corning 072ZU4-T3F22D20).....	5.03	1.88
34 41	13 00-0332	LF	Fiber 12 Strands (Corning 012ZU4-T3F22D20).....	2.19	0.86
34 41	13 00-0333	EA	FDU & Splice Cassette with LC connector type (Corning CCH-01U, CCH-CS12-B3-P00RE).....	1,189.61	72.03
34 41	13 00-0334	EA	12" THREE SECTION HOUSING (McCain M22435).....	819.64	48.02
34 41	13 00-0335	EA	12" FOUR SECTION HOUSING (McCain M30883).....	1,048.56	72.03
34 41	13 00-0336	EA	12" FIVE SECTION HOUSING (McCain M31769).....	1,229.46	72.03
34 41	13 00-0337	EA	12" CLUSTER, WITHOUT MAS (McCain M30987).....	1,319.91	72.03
34 41	13 00-0338	EA	CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650).....	819.64	48.02
34 41	13 00-0339	EA	NAVIGATOR iN2 APS 2 WIRE PPB #iN250N0-B (Polaris iN250N0-B).....	819.64	48.02
34 41	13 00-0340	EA	NAVIGATOR iN2 CONTROLLER RACK MOUNT iCCU-C (Polaris iCCU-C).....	4,858.65	168.07
34 41	13 00-0341	EA	NAVIGATOR iN2 INTERCONNECT BOARD iN2-ICB-C (Polaris iN2-ICB-C).....	228.92	24.01
34 41	13 00-0342	EA	NAVIGATOR iN2 POWER SUPPLY iN2-150-WPS-C (Polaris iN2-150-WPS-C).....	228.92	24.01
34 41	13 00-0343	EA	NAVIGATOR iN2 CONNECTOR iN2-C4CABLE-C (Polaris iN2-c4cable-C).....	524.28	36.01
34 41	13 00-0344	EA	12" Visor (McCain M19302).....	37.29	9.61
34 41	13 00-0345	EA	LS,2202-HV (iPack), HDSP/FLASHER UNIT,ATC (McCain M36256).....	433.83	36.01
34 41	13 00-0346	EA	SIU,2218 SERIAL INTERFACE UNIT,ATC (McCain M36258).....	729.19	48.02
34 41	13 00-0347	EA	CMU,2212-HV (ip),32 CH W/ ETHERNET PORT, ATC (McCain M36259).....	1,365.14	72.03
34 41	13 00-0348	EA	ATCC-HV, INPUT ASSEMBLY, 24 CH W/ CONN IDC26 (McCain M54487).....	729.19	48.02
34 41	13 00-0349	EA	HARN, SB1/SB2,COMM EXTENSION (McCain M48062).....	138.47	24.01
34 41	13 00-0350	EA	ATCC-HV/LV, FITA ASSEMBLY, 24CH (McCain M54489).....	433.83	36.01
34 41	13 00-0351	EA	CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650).....	819.64	48.02
34 41	13 00-0352	EA	242L ISOLATOR, EDI (McCain M56812).....	138.47	24.01
34 41	13 00-0353	EA	EDI 222 DETECTOR (McCain M11407).....	183.70	24.01
34 41	13 00-0354	EA	ALPHA BBS, INVERTER & BYPASS SWITCH (McCain M59763).....	3,315.40	120.05
34 41	13 00-0355	EA	GENERATOR SWITCH AND PLUG ASS'Y FOR ALPHA BBS (McCain M68752-2).....	530.20	48.02
34 41	13 00-0356	EA	BBS BATTERY, ALPHACELL 165GXL (McCain M59884).....	729.19	48.02
34 41	13 00-0357	EA	Battery Backup Cabinet Anondize 44x26x12 (McCain M64438A).....	1,546.04	72.03

**34 41 16 Traffic Control Equipment (34 41)****34 41 16 00-0001 Transportation Control Equipment (34 41 16)**

34 41	16 00-0002	EA	CONTROLLER/SL/POLE MTD/1-PHASE/100A.....	9,219.23	780.01
34 41	16 00-0003	EA	CONTROLLER/SL/ON EMB POLE 1-PH/100A.....	9,309.08	824.92
34 41	16 00-0004	EA	CONTROLLER, SL, 3-PHASE, 100A, BASE MTD.....	11,401.40	834.64
34 41	16 00-0005	EA	CONTROLLER, SL, 3-PHASE, 200A, BASE MTD.....	13,546.63	1,013.39
34 41	16 00-0006	EA	CONTROLLER/SL/BASE MTD/1-PHASE/100A.....	11,246.31	499.92
34 41	16 00-0007	EA	CONTROLLER/SL/BASE MTD/1-PHASE/200A.....	12,471.16	547.32
34 41	16 00-0008	EA	CONTROLLER, TS, 12-BAY, "M" CABINET.....	20,555.32	860.47
34 41	16 00-0009	EA	CONTROLLER, TS, 12-BAY, "P" CABINET.....	21,865.96	953.58
34 41	16 00-0010	EA	CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER.....	31,379.57	1,072.07
34 41	16 00-0011	EA	CONTROLLER, TS, 16-BAY, "P" CABINET.....	24,801.20	1,015.64
34 41	16 00-0012	EA	CONTROLLER, PEDESTRIAN CROSSING, ADD-IN.....	702.29	119.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0013 EA CONCRETE BLOCK PEDESTAL.....	705.39	179.10
34 41 16 00-0014 WK MAINTAIN EXIST TS INSTALLATION.....	266.72	133.35
34 41 16 00-0015 EA INST SIGN BOARDS, ST. NAME.....	504.99	236.19
34 41 16 00-0016 EA F.O. ADD-IN FOR LOCAL CONTROLLER.....	10,438.67	300.30
34 41 16 00-0017 EA F.O. ADD-IN FOR MASTER CONTROLLER.....	25,357.66	450.58
34 41 16 00-0018 EA PDU Equipped netBooter With IEC320 C13 Outlets (Synaccess NP-0808DUH).....	1,028.24	12.51
34 41 16 00-0019 EA Remote Power Switched netBooter PDU, 8 Independent Outlets (Synaccess NP-0801DU).....	581.16	12.51
<b>34 41 16 00-0020 Transportation Cabinets (34 41 16)</b>		
<b>34 41 16 00-0021 Transportation Cabinets (Dudlik Enclosures) (34 41 16 00-0020)</b>		
34 41 16 00-0022 EA 50" x 30" x 17", Aluminum CCTV Cabinet (Dudlik Enclosures).....	2,632.93	144.06
34 41 16 00-0023 EA 66" x 48" x 30", Quad Door, 19" Racks, Aluminum CCTV Cabinet (Dudlik Enclosures).....	11,519.57	144.06
34 41 16 00-0024 EA 46" x 30" x 20", 19" Rack, Aluminum TTS Cabinet (Dudlik Enclosures).....	2,455.59	144.06
34 41 16 00-0025 EA 50" x 30" x 17", Aluminum ITS Controller Cabinet (Dudlik Enclosures).....	2,632.93	144.06
34 41 16 00-0026 EA 60" x 50" x 36", Quad Door, 19" Racks, Aluminum Fiber Cross Connect Cabinet (Dudlik Enclosures).....	11,913.66	144.06
34 41 16 00-0027 EA 55" x 16" x 17", Aluminum ITS Meter Cabinet (Dudlik Enclosures).....	1,667.42	144.06
<b>34 41 16 00-0028 Transportation Cabinets (APX Enclosures) (34 41 16 00-0020)</b>		
34 41 16 00-0029 EA 28" Wide, 16" Depth, 46" High, ITS Controller Cabinet (APX Enclosure LS503017).....	6,531.28	168.07
Note: 3R, single door, pad mounted aluminum enclosure. Includes natural finish, aluminum back panel, light kit with door switch, thermostatically controlled fan kit, heater kit with thermostat, one aluminum moveable shelf, and one aluminum moveable shelf with slide out drawer. Excludes pad.		
<b>34 41 16 00-0030 Transportation Cabinets (Transportation Control Systems) (34 41 16 00-0020)</b>		
34 41 16 00-0031 EA 30" Wide, 16" Depth, 48" High, Type 4, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B483016B2D2S).....	2,478.21	144.06
34 41 16 00-0032 EA 30" Wide, 16" Depth, 60" High, Type 4 Stretch, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B603016B2D2S).....	3,105.78	153.67
<b>34 41 16 00-0033 Transportation Cabinets (McCain) (34 41 16 00-0020)</b>		
34 41 16 00-0034 EA 24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 352i).....	11,995.47	168.07
Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.		
34 41 16 00-0035 EA 24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 332).....	11,995.47	168.07
Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.		
34 41 16 00-0036 EA ATC ColdFire Controller (McCain 170).....	6,082.31	
<b>34 41 16 00-0037 Traffic Control Equipment (34 41 16)</b>		
34 41 16 00-0038 EA ProStar PWM Charge Controller 12/24 Volt, 15 Amperes Without Display (Morningstar PS-15).....	280.17	48.02
34 41 16 00-0039 EA ProStar PWM Charge Controller 12/24 Volt, 15 Amperes With Display (Morningstar PS-15M).....	379.94	48.02
34 41 16 00-0040 EA ProStar PWM Charge Controller 12/24 Volt, 30 Amperes With Display (Morningstar PS-30M).....	443.31	48.02
34 41 16 00-0041 EA ProStar PWM Charge Controller 12/24 Volt, 30 Amperes Without Display (Morningstar PS-30).....	335.57	48.02
34 41 16 00-0042 MLF 10 AWG, 2 Conductor, 600V, Type TC, Non-Shielded Control Tray Cable (EnerSys A51002R).....	2,600.99	526.38
34 41 16 00-0043 EA Vehicle Detector, Circuit Breaker, 0.2 Amperes, Wavetronix SmartSensor (Wavetronix WX-CLK-210-02).....	108.86	24.01
34 41 16 00-0044 EA Vehicle Detector, 2.4 GHz 12 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0141).....	537.39	55.76
34 41 16 00-0045 EA Detection System, Vehicle, Two Sensor Preamsembled Backplate, with AC Power (Wavetronix WX-SSB01-0003).....	2,889.72	167.30
34 41 16 00-0046 EA Vehicle Detector, Power Supply, 24 Volt DC, 4 Amperes (Wavetronix WX-CLK-204).....	524.57	24.01
34 41 16 00-0047 EA Vehicle Detector, 4-Channel Contact Matrix Closure, Rack Card (Wavetronix WX-CLK-114).....	757.77	24.01
34 41 16 00-0048 EA 4 Channel Din-Rail Contact Closure Module (Wavetronix WX-CLK-104).....	856.49	48.02
34 41 16 00-0049 EA Detection System, Vehicle, Four Sensor Preamsembled Backplate, With AC Power, Wavetronix SmartSensor (Wavetronix WX-SS-B01-0005).....	3,867.87	48.02
34 41 16 00-0050 EA 50' Wavetronix Wiring Whip (Wavetronix WX-SS-708-060).....	334.61	167.30
34 41 16 00-0051 EA 60', 6-Conductor Power And Communication Cable With Connector (Wavetronix WX-SS-704-060).....	539.92	41.82
34 41 16 00-0052 EA 900 MHz 5 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0119).....	456.28	55.76
34 41 16 00-0053 EA 900 MHz 9 dBi Yagi Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0120).....	273.77	55.76
34 41 16 00-0054 EA Wavetronix Click 201 AC To DC Power Converter (Wavetronix WX-CLK-201).....	321.78	24.01
34 41 16 00-0055 EA 24 Volt DC 2 Amperes, Wavetronix SmartSensor (Wavetronix WX-CLK-202).....	392.76	24.01
34 41 16 00-0056 EA Coax Surge N-Type, Wavetronix SmartSensor (Wavetronix WX-CLK-250).....	169.69	24.01
34 41 16 00-0057 EA Power, RS232/RS485 Surge, Wavetronix SmartSensor (Wavetronix WX-CLK-200).....	534.71	24.01
34 41 16 00-0058 EA Two Sensor Surge, Wavetronix SmartSensor (Wavetronix WX-CLK-222).....	605.68	24.01
34 41 16 00-0059 EA RS232 to RS485 Converter, Wavetronix SmartSensor (Wavetronix WX-CLK-304).....	757.77	24.01
34 41 16 00-0060 EA Wavetronix Click 301 Serial To Ethernet Converter (Wavetronix CLK-301).....	48.02	24.01
34 41 16 00-0061 EA Sensor Mount, Heavy Duty, 6 inch, 2 Axis Aluminum Bracket (Wavetronix WX-SS-611).....	466.42	55.76
34 41 16 00-0062 MLF LF, UV Resistant Polyethylene Jacketed Cable (Times Microwave Systems LMR-400).....	3,107.95	526.38
34 41 16 00-0063 EA N-Male (Plug) Clamp Connector (Times Microwave Systems TC-400-NMC).....	51.12	14.41
34 41 16 00-0064 EA Spectra IV SE Back Box, Heavy-Duty, Pendant Mount (Pelco BB4HD-PG-E).....	971.64	57.62
34 41 16 00-0065 EA Spectra III Clear Pendant Lower Dome, Heavy Duty (Pelco Id53hdpb-1).....	932.80	72.03
34 41 16 00-0066 EA 24" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2000).....	179.20	24.01
34 41 16 00-0067 EA 10" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2010).....	129.38	24.01
34 41 16 00-0068 EA 24 Volt AC, Remote Data Port (Pelco IPS-RDPE-2).....	509.70	24.01
34 41 16 00-0069 EA Spectra IV Remote Monitor Interface Cable (Pelco IPS-CABLE).....	202.04	24.01
34 41 16 00-0070 EA 120 Volt AC, 12.5 Watt, 12 Volt DC, 600 mA, External Plug In Power Supply (Triad Magnetics WDU12-600).....	71.10	24.01
34 41 16 00-0071 EA Control Area Network Direct Current Input/Output (Daktronics 0P-1247-0009).....	704.40	48.02
Note: Input/Output for sign peripherals.		
34 41 16 00-0072 EA Control Area Network Direct Current Input/Output (Daktronics 0P-1247-4009).....	704.40	48.02
Note: Input/Output for sign peripherals.		

**34 Transportation****34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0073 EA Control Area Network Distribution Board (Daktronics 0P-1248-0005) ..... Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.	1,363.46	48.02
34 41 16 00-0074 EA Control Area Network Distribution Board (Daktronics 0P-1248-0011) ..... Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.	1,363.46	48.02
34 41 16 00-0075 EA Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0019) ..... Note: Measures temperature and detects light and reports to CAN Dist Board.	440.78	48.02
34 41 16 00-0076 EA Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0015) ..... Note: Measures temperature and detects light and humidity and reports to CAN Dist board.	643.56	48.02
34 41 16 00-0077 EA Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0021) ..... Note: Measures temperature and detects light and humidity and reports to CAN Dist board.	643.56	48.02
34 41 16 00-0078 EA Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0003) ..... Note: Measures temperature and detects light and reports to CAN Dist board.	521.89	48.02
34 41 16 00-0079 EA Controller, VFC-3000 Field Controller NTCIPv1 (Daktronics 0A-1248-0016) ..... Note: The "brains" of the sign. Receives information from NTCIP central software and reports status and diagnostic information.	9,509.55	192.09
34 41 16 00-0080 EA DC/DC, Direct Current to Direct Current Converter (Daktronics 0P-1247-0025) ..... Note: Takes 24 Volt DC input from two power supplies and outputs 9 Volt DC for CAN Dist Board, providing power redundancy.	392.76	24.01
34 41 16 00-0081 EA Driver (Daktronics 0P-1100-0026) ..... Note: Driver takes data packets from Control Area Network to determine what pixels (LED clusters) are ON and which are OFF.	746.03	38.42
34 41 16 00-0082 EA External Temp Sensor (Daktronics 0P-1100-0014) ..... Note: Sensor that measures ambient temperature.	654.77	38.42
34 41 16 00-0083 EA Internal Temp Sensor (Daktronics 0P-1100-0038) ..... Note: Sensor that measures sign internal temperature.	735.89	38.42
34 41 16 00-0084 EA Light Level Detector (Daktronics 0P-1151-0002) ..... Note: The values from the light sensors are used by the sign controller to determine the appropriate sign brightness.	431.71	38.42
34 41 16 00-0085 EA Module (Daktronics 0A-1253-0608) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,363.46	48.02
34 41 16 00-0086 EA Module (Daktronics 0A-1253-3018) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,718.33	48.02
34 41 16 00-0087 EA Module (Daktronics 0A-1266-5002) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,515.55	48.02
34 41 16 00-0088 EA Module (Daktronics 0A-1332-6252) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	2,123.90	48.02
34 41 16 00-0089 EA Module (Daktronics 0A-1332-6455) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,718.33	48.02
34 41 16 00-0090 EA Module (Daktronics 0A-1332-6654) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,718.33	48.02
34 41 16 00-0091 EA Module (Daktronics 0P-1332-3015) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	907.19	48.02
34 41 16 00-0092 EA Module (Daktronics 0P-1332-4116) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	907.19	48.02
34 41 16 00-0093 EA Module (Daktronics 0P-1332-5031) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	907.19	48.02
34 41 16 00-0094 EA Module (Daktronics 0P-1332-5017) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	907.19	48.02
34 41 16 00-0095 EA Module Without Pan (Daktronics 0A-1253-0603) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign).	1,363.46	48.02
34 41 16 00-0096 EA Module Without Pan (Daktronics 0A-1253-1605) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign).	1,363.46	48.02
34 41 16 00-0097 EA Module Without Pan (Daktronics 0A-1254-1601) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign).	1,363.46	48.02
34 41 16 00-0098 EA Pixel Strip (Daktronics 0P-1100-0016) ..... Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	450.92	48.02
34 41 16 00-0099 EA Pixel Strip (Daktronics 0P-1100-0029) ..... Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	532.03	48.02
34 41 16 00-0100 EA Power Supply (Daktronics A-1593) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,616.94	48.02
34 41 16 00-0101 EA Power Supply (Daktronics A-1648) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,616.94	48.02
34 41 16 00-0102 EA Power Supply (Daktronics A-2307) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	603.01	48.02
34 41 16 00-0103 EA Surge Suppressor (Daktronics A-1129) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	240.13	28.81
34 41 16 00-0104 EA Surge Suppressor (Daktronics A-1412) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	513.89	28.81
34 41 16 00-0105 EA Surge Suppressor (Daktronics A-1772) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	513.89	28.81
34 41 16 00-0106 EA Surge Suppressor (Daktronics A-2139) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	767.37	28.81
34 41 16 00-0107 EA VCB, Vanguard Control Board (Daktronics 0P-1248-0022) ..... Note: Receives high speed serial communication over fiber or CAT5 from VFC-3000 and reports sign status and peripheral diagnostics.	1,302.62	48.02
34 41 16 00-0108 EA VMS I/O, Variable Message Sign Input/Output (Daktronics 0P-1194-0001) ..... Note: Input/Output board for sign peripherals.	1,769.03	48.02
34 41 16 00-0109 EA Power Supply Assembly (Daktronics A-1856R) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,160.67	48.02
34 41 16 00-0110 EA Power Supply Isolation Board (Daktronics 0P-1447-2000) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	755.10	48.02
34 41 16 00-0111 EA Ventilation/Circulation Fan (Daktronics B-1075) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	268.41	48.02
34 41 16 00-0112 EA VMS Controller (V2) (Daktronics 0A-1248-0028) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	9,509.55	192.09
34 41 16 00-0113 EA Photo/Temp Sensor (Daktronics 0P-1247-0015) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	643.56	48.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0114 EA Defog Fan (Daktronics B-1053).....	98.72	24.01
34 41 16 00-0115 EA Defog Heater (Daktronics A-1792).....	129.13	24.01
34 41 16 00-0116 EA Display Card 1500, 15' Clear (Ver-Mac PB-AFF-06023A-03 PF).....	856.49	48.02
34 41 16 00-0117 EA Display Card 1500, 30' Amber (Ver-Mac PB-AFF-06023-01 PF).....	856.49	48.02
34 41 16 00-0118 EA 1-Port Decoder With H.264 And High-Definition Technology (Verint S1801E-R).....	1,123.43	48.12
34 41 16 00-0119 EA 1-Port Video Encoder Featuring H.264 Technology With One Bi-directional Audio Channel And 12V DC Universal Power Supply (Verint S1801E).....	1,123.43	48.12
34 41 16 00-0120 EA 16-Port Video Encoder Featuring H.264 Technology (Verint S1816E).....	6,181.68	48.12
34 41 16 00-0121 EA Encoder H.264 Compact, Hiperfmc (Verint S1802E).....	1,458.34	48.12
34 41 16 00-0122 EA 110 Volt AC To 12 Volt DC At 45 Watt, Transformer (Verint PS1261).....	190.11	24.01
34 41 16 00-0123 EA 1-Channel Encoder, H.264 Dual-Streaming, SD Card Slot (Bosch VIP-X1XF-E).....	683.29	48.12
34 41 16 00-0124 EA Single/Quad-Stream Decoder (Bosch VIP-XD).....	1,820.86	48.12
34 41 16 00-0125 EA 1-Output, Outdoor-Rated CCTV Power Supply Unit, 24/26/28 Volt AC (Pelco WCS1-4).....	240.44	48.02
34 41 16 00-0126 EA 4-Outputs, Outdoor-Rated CCTV Power Supply With Circuit Breaker, 24/28 Volt AC (Pelco WCS4-20B).....	535.12	48.02
34 41 16 00-0127 EA 12.5KVA, 12 Volt, 75Ah, UPS Battery (UPG UB12750).....	274.96	12.03
34 41 16 00-0128 EA Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports (EtherWAN EX71440-B0B).....	3,512.69	96.04
34 41 16 00-0129 EA Power Supply, Hardened, External 100-240 Volt AC Input; TS2 rated; 12 Volt DC Output Power (EtherWAN 41-136046-1).....	208.97	24.01
34 41 16 00-0130 EA 4kVA / 3.6kW Split-Phase Power Module (Eaton 9PXMSPPM).....	3,208.61	48.02
34 41 16 00-0131 EA 208-240 Volt, 4-20kVA Rack/Tower UPS (Eaton 9PXM).....	7,409.00	237.70
34 41 16 00-0132 EA 30 Amperes, 600 Volt, 3-Pole, Fusible, NEMA 3R Rainproof, Safety Switch (Square D H361RB).....	964.60	124.85
34 41 16 00-0133 EA 30 Amperes, 600 Volt, LKS Fuse (Eaton Bussmann LKS-30).....	21.02	7.68
34 41 16 00-0134 EA 60 Amperes, 600 Volt, 3-Pole, Fusible, Heavy Duty, Safety Switch (Square D H362DS).....	2,582.33	96.04
34 41 16 00-0135 EA 60 Amperes, 600 Volt, Dual Element, Time-Delay Fuse (Eaton Bussmann FRS-R-60).....	51.80	7.68
34 41 16 00-0136 EA 50 Mbps, MIMO 2x2, 15 dBi Integrated Antenna (Proxim Wireless TSUNAMI QB-820).....	2,320.08	55.76
34 41 16 00-0137 EA Singlemode Loaded Fiber Adapter Panel, 6 Simplex SC/UPC Adapters (Multi-Link 10-4810).....	109.98	36.49
34 41 16 00-0138 EA 12" x 6" x 5-1/2", 2 Panel, 2 Splice Dual Security Door, Compact Wall Mount Fiber Distribution Unit (MultiLink 10-4469).....	344.31	48.02
34 41 16 00-0139 EA Single AC Inlet, 8 Nema 5-15 Outlets, Built-in AC Current Drawing Sensing Module (Synaccess NP-0801DT).....	652.63	12.51
34 41 16 00-0140 EA Aggregated TRMS AC Current Sensing, One Readout For All Outlets (Synaccess NP-0801DT(H)).....	703.86	12.51
34 41 16 00-0141 EA 550 Watt, 120 Volt AC, Fan Heater With Adjustable Thermostat, 32-140 Degree Fahrenheit (Stego CR-027).....	366.89	19.20
34 41 16 00-0142 EA 10/100M Switch, 4 x 1G Combo, LAN Base (Cisco IE-4000-4TC4G-E).....	4,447.56	115.25
34 41 16 00-0143 EA 12 Port, 2 Panel, Wall Mount, Compact Fiber Distribution Unit (MultiLink FWM012XLC).....	156.80	22.09
34 41 16 00-0144 EA 6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel (MultiLink MSC-06-SM-C-BLK).....	40.32	4.80
34 41 16 00-0145 EA 170 Watt AC To DC, Industrial Ethernet Family Power Supply (Cisco PWR-IE170W-PC-AC).....	1,407.26	48.02
34 41 16 00-0146 EA 12 Port, Industrial Ethernet Layer 3 Switch Installed In Transportation Control Equipment (Cisco IE-4000-4GC4GP4G-E).....	4,841.67	96.04
34 41 16 00-0147 EA 2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line Uninterruptible Power Supply (UPS) (Xtreme Power P90-3000).....	3,211.20	158.47
34 41 16 00-0148 EA 100 Amperes, 16 Circuit, Main Lug Load Center Panelboard, 8-1 AWG, 120/240 Volt, Single Phase (Square D QO816L100DS).....	636.73	274.68
34 41 16 00-0149 EA 70 Amperes, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase (Square D QO24L70S).....	443.25	192.09
34 41 16 00-0150 EA 60 Amperes, 120/240 Volt, 2 Pole Common Trip Miniature Circuit Breaker, Plug On Mounting (Square D QO260).....	97.01	25.93
34 41 16 00-0151 EA 15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QOT1515).....	74.85	17.29
34 41 16 00-0152 EA 15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120).....	56.53	17.29
34 41 16 00-0153 EA 20 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120).....	56.53	17.29
34 41 16 00-0154 EA One Output Outdoor-rated CCTV Power Supply Unit, 24/26/28 Volt AC At 4 Amperes Total Supply Current, Fuse Protected Output, UL Listed (Pelco WCS1-4).....	240.44	48.02
34 41 16 00-0155 EA DIN Rail Mount, Switching Power Supply (TKH Security PSR12DC).....	299.15	24.06
34 41 16 00-0156 EA H.264 Multi-codec Video Encoder With Audio, Data And CC's (TKH Security C-60-E-MC).....	2,881.64	24.06
34 41 16 00-0157 EA Expansion Power Module For IE-3000-4TC And IE-3000-8TC (Cisco PWR-IE50W-AC-IEC).....	560.86	12.51
34 41 16 00-0158 EA Traffic Monitoring System (BlueToad Spectra Cellular/Solar Version).....	11,605.47	167.30
34 41 16 00-0159 EA Ubiquiti Rocket M9 Wireless Access Point (ROCKETM9).....	420.80	55.76

### 34 41 33 In Roadway Warning Lights (34 41)

#### 34 41 33 00-0001 In-Road Warning Light (IRWL) Pedestrian Safety System (34 41 33)

34 41 33 00-0002 EA SC320 Controller: NEMA 3R Aluminum Pole Mount Cabinet (Spot Devices, Inc. #SC320036).....	7,151.87	135.99
34 41 33 00-0003 EA Spread Spectrum Local Wireless Activation (Spot Devices, Inc. #SC320026).....	552.82	10.97
34 41 33 00-0004 EA SC320AA: Passive Activation Bollard Pair, AC SC320 Controller (Spot Devices, Inc. #BA300000-D).....	15,196.83	285.12
34 41 33 00-0005 EA Whitney RS320 Road Spot: Amber Bidirectional (Spot Devices, Inc. #RS320701-D).....	3,544.46	65.80
34 41 33 00-0006 EA Polara Bulldog Pushbutton With LED And tone, R62E Sign With RIG (Spot Devices, Inc. #PB101131).....	617.83	10.97
34 41 33 00-0007 EA LED Enhanced Sign - 30" W11-2 Crosswalk Sign (Spot Devices, Inc. SL201011).....	2,915.80	54.84
Note: Excludes controller.		
34 41 33 00-0008 EA SB435: RRFB, Gen2, Large, With Single Pedestrian Signal (Spot Devices, Inc. SB110015).....	1,788.49	32.90
Note: Includes mounts.		
34 41 33 00-0009 EA Sign, W11-2 Crosswalk, 30", FYG With Mount (Spot Devices, Inc. #SG101102).....	327.36	6.58
34 41 33 00-0010 EA Sign, W16-7p Left Down Arrow, 12", FYG With Mount (Spot Devices, Inc. #SG101103).....	112.72	2.20
34 41 33 00-0011 EA RS300: Interconnect 16/4 Dual Plug Cable, 7 ft (Spot Devices, Inc. #RS301624).....	123.56	2.20
34 41 33 00-0012 EA RSV3 Installation Kit (Spot Devices, Inc. #RS308977).....	169.10	3.29
34 41 33 00-0013 EA RS300: Female-to-Female Interconnect 16/4 Dual Plug Cable, 25' (Spot Devices, Inc. #RS301644).....	292.67	5.49
34 41 33 00-0014 EA RS300: Interconnect 16/4 Dual Plug Cable, 7' Length (Spot Devices, Inc. #RS301624).....	123.56	2.20
34 41 33 00-0015 EA RS300: Lead-in Cable, 12/4 Single Plug, 75' Length (Spot Devices, Inc. #RS301651).....	429.26	8.77
34 41 33 00-0016 EA RS300: Lead-in Cable, 12/4 Single Plug, 50' Length (Spot Devices, Inc. #RS301650).....	359.86	6.58
34 41 33 00-0017 EA Plug, Dummy Female (Spot Devices, Inc. #RS301603).....	33.81	0.66
34 41 33 00-0018 EA Liquid Conduit Polymeric Asphalt Formula (Spot Devices, Inc. #RS308931).....	186.87	3.29
34 41 33 00-0019 LF Cable, Peripheral, 18/2 SO Burial, Unterminated (Spot Devices, Inc. #SC202602).....	2.26	0.00

**34 Transportation****34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

34 41 33 00-0020 LF DC Interconnect Wire. 12/2 SO Burial, Unterminated (Spot Devices, Inc. #SC202603).....2.81

**34 70 Transportation Construction and Equipment** <sup>(34)</sup>**34 71 Roadway Construction** <sup>(34 70)</sup>**34 71 13 Vehicle Barriers** <sup>(34 71)</sup>**34 71 13 13 Vehicle Median Barriers** <sup>(34 71 13)</sup>**34 71 13 13-0001 Concrete Median Barrier** <sup>(34 71 13 13)</sup>

34 71 13 13-0002	LF	Median Barrier, Precast, 42" High Single Face.....	66.63	3.83
34 71 13 13-0003	LF	Median Barrier, Precast, 32" High, 2' Wide Base, Double Face.....	104.17	3.83
34 71 13 13-0004	LF	Median Barrier, Precast, 42" High, 2' Wide Base, Double Face.....	143.38	3.83
34 71 13 13-0005	LF	Median Barrier, Cast In Place With Steel Forms.....	46.40	5.96
34 71 13 13-0006	LF	Median Barrier, Slipformed Concrete.....	38.19	3.16

**34 71 13 16 Vehicle Crash Barriers** <sup>(34 71 13)</sup>**34 71 13 16-0001 Impact Barrier, Non-Redirective** <sup>(34 71 13 16)</sup>**34 71 13 16-0002 Sand Barrel Impact Attenuator** <sup>(34 71 13 16-0001)</sup>

Note: Includes containers, inserts, and lid. Excludes sand.

34 71 13 16-0003	EA	200, 400 Or 700 LB Sand Barrel.....	564.90	45.69
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Note: Includes containers, inserts, and lid.

**34 71 13 26 Vehicle Guide Rails** <sup>(34 71 13)</sup>**34 71 13 26-0001 Mobilize Guide Rail Crew** <sup>(34 71 13 26)</sup>

34 71 13 26-0002	EA	Mobilize Guide Rail Crew.....	1,165.48	
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Note: Excludes equipment mobilization.

**34 71 13 26-0003 Corrugated Beam Guide Rail** <sup>(34 71 13 26)</sup>**34 71 13 26-0004 Corrugated Beam Guide Railing** <sup>(34 71 13 26-0003)</sup>**34 71 13 26-0005 Corrugated Beam Guide Railing, Straight Sections** <sup>(34 71 13 26-0004)</sup>

Note: Add additional length for back-up sections.

34 71 13 26-0006	LF	Corrugated Beam Guide Railing.....	17.92	2.08
34 71 13 26-0007	LF	Corrugated Beam Guide Railing (Rustic).....	19.35	2.08

**34 71 13 26-0008 Corrugated Beam Guide Railing, Shop Curved** <sup>(34 71 13 26-0004)</sup>

Note: Add additional length for back-up sections.

34 71 13 26-0009	LF	Shop Curved Corrugated Beam Guide Railing.....	23.53	2.08
34 71 13 26-0010	LF	Shop Curved Corrugated Beam Guide Railing (Rustic).....	25.50	2.08
34 71 13 26-0011	LF	Shop Curved Corrugated Beam Guide Railing End.....	60.91	2.08
34 71 13 26-0012	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End.....	66.50	2.08

Note: Treatment for mall barriers driveways, walkways, special end, etc.

Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.

**34 71 13 26-0013 Corrugated Beam Guide Railing, Manufactured End Sections** <sup>(34 71 13 26-0003)</sup>

34 71 13 26-0014	EA	Corrugated Beam Guide Railing End Section At Anchor Unit.....	133.23	27.47
34 71 13 26-0015	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit.....	140.86	27.47
34 71 13 26-0016	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section.....	179.04	27.47
34 71 13 26-0017	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic).....	186.67	27.47
34 71 13 26-0018	EA	Corrugated Beam Guide Railing 225 Degree End Section.....	179.04	27.47
34 71 13 26-0019	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic).....	186.67	27.47

**34 71 13 26-0020 Corrugated Beam Guide Rail Posts** <sup>(34 71 13 26-0003)</sup>

Note: Includes mounting hardware.

34 71 13 26-0021	EA	Standard Post For Corrugated Beam Guide Rail.....	141.92	14.82
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	3.95	
34 71 13 26-0022	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail.....	149.55	14.82
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	3.95	
34 71 13 26-0023	EA	Extra Long Post For Corrugated Beam Guide Rail.....	157.19	14.82
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	3.95	
34 71 13 26-0024	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail.....	164.82	14.82
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	3.95	
34 71 13 26-0025	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail.....	141.92	14.82
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	3.95	
34 71 13 26-0026	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post.....	202.99	14.82
		<i>For Installation In Rock, Add</i>	3.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>34 71 13 26-0027 Heavy Post Blocked Out Corrugated Beam Guide Rail Posts</b> (34 71 13 26-0003)		
Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-0028 EA Standard Post For Heavy Post Blocked Out Corrugated Beam Guide .....	141.92	14.82
34 71 13 26-0029 EA Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide .....	149.55	14.82
34 71 13 26-0030 EA Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide.....	157.19	14.82
34 71 13 26-0031 EA Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail.....	164.82	14.82
Note: For heavy post blocked out corrugated beam guide (rustic)		
34 71 13 26-0032 EA Type A Post 1630mm Post .....	138.10	14.82
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0033 EA Type A Post 1630mm Post (Rustic).....	145.73	14.82
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0034 EA Type B Post 1460mm .....	130.47	14.82
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0035 EA Type B Post 1460mm (Rustic).....	138.10	14.82
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0036 EA Type C Post 1290mm .....	122.83	14.82
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0037 EA Type C Post 1290mm (Rustic).....	130.47	14.82
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0038 EA Breakaway Wood Or Steel Post In Steel Foundation Tube .....	524.85	14.82
34 71 13 26-0039 EA Wood, Metal, Plastic Or Composite Offset Block Or Beam .....	57.94	14.82
Note: For heavy post blocked out corrugated beam guide rail.		
<b>34 71 13 26-0040 Corrugated Beam Guide Rail Accessories</b> (34 71 13 26-0003)		
34 71 13 26-0041 EA Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C.....	117.96	31.22
<b>34 71 13 26-0042 Corrugated Beam Guide Rail Repair for Existing Guide Rail</b> (34 71 13 26-0003)		
Note: Includes associated hardware.		
34 71 13 26-0043 LF Removal And Storage Of Corrugated Beam Guide Railing And Post.....	12.20	
34 71 13 26-0044 EA Install Stored Post For Corrugated Beam Guide Rail .....	41.62	
34 71 13 26-0045 LF Install Stored Corrugated Beam Guide Railing And Post.....	7.08	
<b>34 71 13 26-0046 Corrugated Thrie Beam Guide Railing</b> (34 71 13 26-0003)		
<b>34 71 13 26-0047 Corrugated Thrie Beam Guide Railing. Straight Sections</b> (34 71 13 26-0046)		
Note: Add additional length for back-up sections.		
34 71 13 26-0048 LF Corrugated Thrie Beam Guide Railing.....	42.47	2.62
34 71 13 26-0049 LF Corrugated Thrie Beam Guide Railing (Rustic).....	44.79	2.62
<b>34 71 13 26-0050 Corrugated Thrie Beam Guide Railing. Shop Curved</b> (34 71 13 26-0046)		
Note: Add additional length for back-up sections.		
34 71 13 26-0051 LF Shop Curved Corrugated Thrie Beam Guide Railing .....	51.77	2.62
34 71 13 26-0052 LF Shop Curved Corrugated Thrie Beam Guide Railing (Rustic).....	54.10	2.62
<b>34 71 13 26-0053 Corrugated Thrie Beam Guide Rail Posts</b> (34 71 13 26-0046)		
Note: Includes hardware for mounting.		
34 71 13 26-0054 EA Standard Post For Corrugated Thrie Beam Guide Rail.....	171.44	2.62
For Installation Without Soil Plate, Deduct	-5.00	
For 32" Soil Plate, Add	7.00	
34 71 13 26-0055 EA Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail .....	179.08	2.62
For Installation Without Soil Plate, Deduct	-5.00	
For 32" Soil Plate, Add	7.00	
<b>34 71 13 26-0056 Timber Guide Rails</b> (34 71 13 26)		
Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
<b>34 71 13 26-0057 Timber Guide Rail Posts</b> (34 71 13 26-0056)		
34 71 13 26-0058 EA 6" x 8" Timber Guide Rail Post .....	108.46	10.41
34 71 13 26-0059 EA 6" x 9" Timber Guide Rail Post .....	124.32	10.41
34 71 13 26-0060 EA 10" x 10" Timber Guide Rail Post .....	248.62	10.41
34 71 13 26-0061 EA 10" x 12" Timber Guide Rail Post .....	263.44	10.41
34 71 13 26-0062 EA 12" x 12" Timber Guide Rail Post .....	305.69	10.41
<b>34 71 13 26-0063 Timber Guide Rails</b> (34 71 13 26-0056)		
Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0064 LF 4" x 9" Timber Guide Rail.....	13.49	1.25
34 71 13 26-0065 LF 6" x 10" Timber Guide Rail.....	19.20	1.25
34 71 13 26-0066 LF 6" x 12" Timber Guide Rail.....	22.54	1.25
<b>34 71 13 26-0067 Spacer Blocks For Timber Guide Rails</b> (34 71 13 26-0056)		
34 71 13 26-0068 EA 4" x 9" Spacer Block For Timber Guide Rails .....	17.53	1.67
34 71 13 26-0069 EA 6" x 8" Spacer Block For Timber Guide Rails .....	20.28	1.67

<b>34</b>	<b>Transportation</b>
<b>34 70</b>	<b>Transportation Construction and Equipment</b>
<b>34 71</b>	<b>Roadway Construction</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0070 EA 8" x 8" Spacer Block For Timber Guide Rails.....	23.76	1.67
<b>34 71 13 26-0071 Weathering Steel Backup Plates For Timber Guide Rails (34 71 13 26-0056)</b>		
34 71 13 26-0072 LF 6" High, Weathering Steel Backup Plate For Timber Guide Rails.....	24.95	1.04
<b>34 71 13 26-0073 Weathering Steel Splice And Bearing Plates For Timber Guide Rails (34 71 13 26-0056)</b>		
34 71 13 26-0074 EA Weathering Steel Splice Plate For Timber Guide Rails.....	170.43	14.56
34 71 13 26-0075 EA Weathering Steel Bearing Termination Plate For Timber Guide Rails.....	106.35	10.41
<b>34 71 13 26-0076 Cable Guide Rail (34 71 13 26)</b>		
<b>34 71 13 26-0077 Cable Guide Rail (34 71 13 26-0076)</b>		
34 71 13 26-0078 LF Cable (Each Cable)..... Note: Includes tensioning. Excludes splices.	9.51	2.25
34 71 13 26-0079 EA Cable Splice With Wedges.....	249.84	15.61
<b>34 71 13 26-0080 Cable Guide Rail Posts (34 71 13 26-0076)</b>		
Note: Includes hardware for cable mounting.		
34 71 13 26-0081 EA Standard Post for Cable Guide Rail..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	180.39 -5.00 13.18	49.41
34 71 13 26-0082 EA Standard Post (Rustic) for Cable Guide Rail..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	188.03 -5.00 13.18	49.41
34 71 13 26-0083 EA Extra Long Post for Cable Guide Rail..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	188.03 -5.00 13.18	49.41
34 71 13 26-0084 EA Extra Long Post (Rustic) for Cable Guide Rail..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	195.66 -5.00 13.18	49.41
34 71 13 26-0085 EA Slip Impact Post Top for Anchor Unit.....	117.97	19.77
34 71 13 26-0086 EA Slip Impact Post Base and Keeper Plate..... Note: For anchor unit.	308.83	19.77
<b>34 71 13 26-0087 Cable Guide Rail Accessories For Breakaway Anchor Angle Systems (34 71 13 26-0076)</b>		
34 71 13 26-0088 EA Turnbuckle Cable End Assembly For Use With Breakaway Anchors.....	537.61	208.54
34 71 13 26-0089 EA Turnbuckle Cable End Assembly.....	166.58	10.43
34 71 13 26-0090 EA Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors.....	541.30	5.18
34 71 13 26-0091 EA Spring Cable End Assembly (Compensating Device) Without Turnbuckle.....	556.57	5.18
34 71 13 26-0092 EA Breakaway Anchor Angle.....	212.39	10.43
34 71 13 26-0093 EA Standard End Post Cap Assembly.....	98.52	5.18
34 71 13 26-0094 EA Driveway End Post Cap Assembly.....	83.25	5.18
34 71 13 26-0095 EA End Post Ground Support Plates.....	45.08	5.18
34 71 13 26-0096 EA 11" Stud Bolt, Cable Guide Rail.....	39.36	5.18
34 71 13 26-0097 EA 18" Stud Bolt, Cable Guide Rail.....	46.99	5.18
34 71 13 26-0098 EA 25" Stud Bolt, Cable Guide Rail.....	54.62	5.18
34 71 13 26-0099 EA 1-1/4" Diameter Turnbuckle, Cable Guide Rail.....	471.95	10.43
34 71 13 26-0100 EA 1-1/2" Diameter Turnbuckle, Cable Guide Rail.....	502.49	10.43
34 71 13 26-0101 EA 5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail.....	334.54	10.43
34 71 13 26-0102 EA 5/8" Eye Bolt 18" Long, Cable Guide Rail.....	205.40	5.18
34 71 13 26-0103 EA 3/4" Eye Bolt 8'-6" Long, Cable Guide Rail.....	212.39	10.43
34 71 13 26-0104 EA 1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail.....	226.93	15.61
<b>34 71 13 26-0105 Cable Guide Rail Accessories For Slip Impact Post Systems (34 71 13 26-0076)</b>		
34 71 13 26-0106 EA Turnbuckle Cable End Assembly..... Note: For use with slip impact post.	380.81	16.50
34 71 13 26-0107 EA Spring Cable End Assembly (Compensating Device)..... Note: For use with slip impact post.	747.25	16.50
34 71 13 26-0108 EA Anchor Angle For Slip Impact Post System.....	220.49	16.50
34 71 13 26-0109 EA Cable End Assembly Rod..... Note: Includes cable end, threaded rod and keeper to anchor angle.	182.32	16.50
<b>34 71 13 26-0110 Cable Guide Rail Repair For Existing Guide Rail (34 71 13 26-0076)</b>		
Note: Includes associated hardware.		
34 71 13 26-0111 LF Retention Existing Cable (Each Cable).....	1.39	
34 71 13 26-0112 LF Removal And Storage Of Cable Guide Railing.....	8.38	
34 71 13 26-0113 EA Install Stored Post For Cable Guide Railing.....	65.88	
34 71 13 26-0114 LF Install Stored Cable, (Each Cable)..... Note: Includes retensioning. Excludes splices.	3.70	
<b>34 71 13 26-0115 6" x 6" Box Beam Guide Rail (34 71 13 26)</b>		
<b>34 71 13 26-0116 Box Beam Guide Rail, 6" x 6" (34 71 13 26-0115)</b>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>34 71 13 26-0117</b> <b>Straight Sections, Box Beam Guide Rail</b> <small>(34 71 13 26-0116)</small>		
34 71 13 26-0118    LF    Box Beam Guide Railing 6" x 6" x 3/16" Galvanized.....	51.19	2.62
Note: Excludes splices.		
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	
34 71 13 26-0119    LF    Box Beam Guide Railing 6" x 6" x 3/16" (Rustic).....	58.17	2.62
Note: Excludes splices.		
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	
<b>34 71 13 26-0120</b> <b>Shop Curved, Box Beam Guide Rail</b> <small>(34 71 13 26-0116)</small>		
34 71 13 26-0121    LF    Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized.....	77.95	2.62
Note: Excludes splices.		
<i>For Shop Curved At &lt;20' Radius, Add</i>		
	2.44	
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	
34 71 13 26-0122    LF    Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic).....	84.93	2.62
Note: Excludes splices.		
<i>For Shop Curved At &lt;20' Radius, Add</i>		
	2.44	
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	
<b>34 71 13 26-0123</b> <b>Box Beam Guide Rail End Treatment Sections</b> <small>(34 71 13 26-0115)</small>		
Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0124    EA    Box Beam End Piece Guide Railing Section.....	805.04	31.22
Note: Galvanized excludes splices.		
34 71 13 26-0125    EA    Box Beam End Piece Guide Railing Section (Rustic).....	889.02	31.22
Note: Excludes splices.		
34 71 13 26-0126    EA    Box Beam Guide Railing End Treatment Section At Driveway, Galvanized.....	759.23	31.22
Note: Excludes splices.		
34 71 13 26-0127    EA    Box Beam Guide Railing End Treatment Section At Driveway, (Rustic).....	789.77	31.22
Note: Excludes splices.		
<b>34 71 13 26-0128</b> <b>Splices For Box Beam Guide Rail</b> <small>(34 71 13 26-0115)</small>		
34 71 13 26-0129    EA    Splice For Box Beam Guide Rail.....	207.20	46.34
34 71 13 26-0130    EA    Splice For Box Beam Guide Rail (Rustic).....	260.64	46.34
<b>34 71 13 26-0131</b> <b>Box Beam Guide Rail Posts</b> <small>(34 71 13 26-0115)</small>		
Note: Includes hardware for box beam mounting.		
34 71 13 26-0132    EA    Standard Post For Box Beam Guide Rail.....	188.03	49.41
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	13.18	
34 71 13 26-0133    EA    Standard Post (Rustic) for Box Beam Guide Railing.....	195.66	49.41
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	13.18	
34 71 13 26-0134    EA    Extra Long Post For Box Beam Guide Rail.....	203.30	49.41
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	13.18	
34 71 13 26-0135    EA    Extra Long Post (Rustic) For Box Beam Guide Rail.....	210.93	49.41
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	13.18	
34 71 13 26-0136    EA    Type I End Assembly Post.....	180.39	49.41
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	13.18	
34 71 13 26-0137    EA    Type I End Assembly Post (Rustic).....	188.03	49.41
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	13.18	
34 71 13 26-0138    EA    Type II End Assembly Post.....	172.76	49.41
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	13.18	
34 71 13 26-0139    EA    Type II End Assembly Post (Rustic).....	180.39	49.41
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	13.18	
<b>34 71 13 26-0140</b> <b>Box Beam Guide Rail Accessories</b> <small>(34 71 13 26-0115)</small>		
34 71 13 26-0141    EA    Box Beam Guide Rail End Cover Plate.....	104.09	9.36
34 71 13 26-0142    EA    Box Beam Guide Rail End Cover Plate (Rustic).....	111.72	9.36
<b>34 71 13 26-0143</b> <b>Box Beam Guide Railing Repair, And Resetting</b> <small>(34 71 13 26-0115)</small>		
Note: For existing guide rail.		
34 71 13 26-0144    LF    Removal And Storage Of Box Beam Guide Rail And Post.....	4.12	
34 71 13 26-0145    LF    Reset Box Beam Guide Rail.....	12.00	
<b>34 71 13 26-0146</b> <b>6" x 8" Box Beam Median Barrier</b> <small>(34 71 13 26)</small>		
<b>34 71 13 26-0147</b> <b>Box Beam Median Barrier, 6" x 8"</b> <small>(34 71 13 26-0146)</small>		
<b>34 71 13 26-0148</b> <b>Straight Sections, Box Beam Median Barrier</b> <small>(34 71 13 26-0147)</small>		
34 71 13 26-0149    LF    Box Beam Median Barrier Galvanized Excludes Splices.....	85.78	9.36
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	

<b>34</b>	<b>Transportation</b>
<b>34 70</b>	<b>Transportation Construction and Equipment</b>
<b>34 71</b>	<b>Roadway Construction</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0150 LF Box Beam Median Barrier (Rustic) Excludes Splices..... <i>For Flush Mounting Directly To Structure, Add</i>	92.76 1.83	9.36
<b>34 71 13 26-0151 Shop Curved, Box Beam Median Barrier</b> (34 71 13 26-0147)		
34 71 13 26-0152 LF Shop Curved Box Beam Median Barrier Galvanized..... Note: Excludes splices. <i>For Shop Curved At &lt;20' Radius, Add</i> <i>For Flush Mounting Directly To Structure, Add</i>	104.12 2.44 1.83	9.36
34 71 13 26-0153 LF Shop Curved Box Beam Median Barrier Rustic..... Note: Excludes splices. <i>For Shop Curved At &lt;20' Radius, Add</i> <i>For Flush Mounting Directly To Structure, Add</i>	127.03 2.44 1.83	9.36
<b>34 71 13 26-0154 Box Beam Median Barrier End Treatment Sections</b> (34 71 13 26-0146)		
Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0155 EA Box Beam Median Barrier Type A End Treatment Section, Galvanized..... Note: Excludes splices and post.	2,629.61	31.22
34 71 13 26-0156 EA Box Beam Median Barrier Type A End Treatment Section (Rustic)..... Note: Excludes splices and post.	2,690.69	31.22
34 71 13 26-0157 EA Box Beam Median Barrier Type B End Treatment Section, Galvanized..... Note: Excludes splices and post.	2,629.61	31.22
34 71 13 26-0158 EA Box Beam Median Barrier Type B End Treatment Section (Rustic)..... Note: Excludes splices and post.	2,690.69	31.22
<b>34 71 13 26-0159 Splices For Box Beam Median Barrier</b> (34 71 13 26-0146)		
34 71 13 26-0160 EA Splice for Box Beam Median Barrier.....	201.25	24.98
34 71 13 26-0161 EA Splice for Box Beam Median Barrier (Rustic).....	315.77	24.98
<b>34 71 13 26-0162 Box Beam Median Barrier Posts Driven With Soil Plate</b> (34 71 13 26-0146)		
Note: Includes all associated hardware.		
34 71 13 26-0163 EA Standard Post for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	188.03 -5.00 13.18	49.41
34 71 13 26-0164 EA Standard Post (Rustic) for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	195.66 -5.00 13.18	49.41
34 71 13 26-0165 EA Extra Long Post for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	203.30 -5.00 13.18	49.41
34 71 13 26-0166 EA Extra Long Post (Rustic) for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	210.93 -5.00 13.18	49.41
34 71 13 26-0167 EA Type B End Treatment or Rub Back Anchor Post for Box Beam..... Note: For median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	172.76 -5.00 13.18	49.41
34 71 13 26-0168 EA Type B End Treatment or Rub Back Anchor Post (Rustic)..... Note: For box beam median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	172.76 -5.00 13.18	49.41
34 71 13 26-0169 EA Type I End Assembly Post for Box Beam Median Barrier to Concrete..... Note: For median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	203.30 -5.00 13.18	49.41
34 71 13 26-0170 EA Type I End Assembly Post (Rustic) for Box Beam Median Barrier..... Note: For Concrete median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	210.93 -5.00 13.18	49.41
<b>34 71 13 26-0171 Box Beam Median Barrier Accessories</b> (34 71 13 26-0146)		
34 71 13 26-0172 EA Box Beam Median Barrier End Cover Plate.....	128.73	21.98
34 71 13 26-0173 EA Box Beam Median Barrier End Cover Plate (Rustic).....	136.36	21.98
<b>34 71 13 26-0174 Box Beam Median Barrier Repair, And Resetting</b> (34 71 13 26-0146)		
Note: For existing guide rail.		
34 71 13 26-0175 LF Removal And Storage Of Box Beam Median Barrier and Posts.....	4.25	
34 71 13 26-0176 LF Reset Box Beam Median Barrier.....	12.57	
<b>34 71 13 26-0177 Universal Guide Rail Items</b> (34 71 13 26)		
<b>34 71 13 26-0178 Guide Rail Concrete Anchor Units For All Types Of Guide Rail</b> (34 71 13 26-0177)		
Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0179 CY Guide Rail Concrete Anchor Unit..... <i>For Each Additional Set Of Anchor Rods, Add</i>	738.80 38.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0180 EA Reset Existing Anchorage Unit For All Types of Guide Rail.....	477.38	
34 71 13 26-0181 EA Removal Of Guide Rail Concrete Anchor Unit.....	542.96	
<b>34 71 13 26-0182 Guide Rail Repair For All Types Of Existing Guide Rail (34 71 13 26-0177)</b>		
Note: Includes associated hardware.		
34 71 13 26-0183 EA Straighten And Reset Driven Post For Guide Rail .....	65.88	
34 71 13 26-0184 EA Straighten And Reset Post Mounted On Concrete For Guide Rail .....	76.87	
Note: With base plate for guide rail. Includes new anchor bolts.		
<b>34 71 13 26-0185 Additional Wood and Steel Posts (34 71 13 26-0177)</b>		
34 71 13 26-0186 LF 4" x 6" Wood Post.....	58.26	16.51
For Installation In Rock, Add		
34 71 13 26-0187 LF 6" x 8" Wood Post.....	69.71	16.51
For Installation In Rock, Add		
34 71 13 26-0188 LF 6" x 7/8" Galvanized Steel Post .....	43.63	16.51
For Installation In Rock, Add		
34 71 13 26-0189 EA Base Plate With Anchor Bolts For Mounting Post On Concrete.....	406.17	16.50
<b>34 71 13 26-0190 Accessories For All Types of Guide Rail (34 71 13 26-0177)</b>		
34 71 13 26-0191 EA Reflector For Guard Rail.....	49.30	
<b>34 71 13 26-0192 Guide Rail Transitions (34 71 13 26)</b>		
<b>34 71 13 26-0193 Transition Box Beam Guide Rail To Corrugated Beam (34 71 13 26-0192)</b>		
34 71 13 26-0194 EA Box Beam To Corrugated Beam Rail Bolted Section.....	736.10	
34 71 13 26-0195 EA Box Beam To Corrugated Beam Rail Bolted Plate .....	430.73	
Note: For making cable connections.		
<b>34 71 13 26-0196 Transition Box Beam Median Barrier To Corrugated Beam Median (34 71 13 26-0192)</b>		
34 71 13 26-0197 EA Box Beam Median Barrier To Corrugated Beam Bolted Section .....	751.37	
34 71 13 26-0198 EA Box Beam Median Barrier To Corrugated Beam Harness Plate .....	430.73	
Note: For making cable connections.		
<b>34 71 13 26-0199 Transition Box Beam Guide Rail To Cable Guide Rail (34 71 13 26-0192)</b>		
34 71 13 26-0200 EA Box Beam to Cable Guide Rail U-bolt And Plate .....	104.15	16.65
<b>34 71 13 26-0201 Transition Box Beam Median Barrier To Concrete Median Barrier (34 71 13 26-0192)</b>		
34 71 13 26-0202 EA Box Beam Median Barrier To Concrete Barrier End Connection.....	1,041.47	
<b>34 71 13 26-0203 Transition Thrie Beam To Concrete Median Barrier (34 71 13 26-0192)</b>		
34 71 13 26-0204 EA Thrie Beam Terminal Connector At Concrete Median Barrier.....	659.76	
34 71 13 26-0205 EA Thrie Beam Transition Section To Corrugated Beam Guide Rail.....	850.61	
<b>34 71 13 26-0206 Resilient Guard Fence And Light Shield (34 71 13 26)</b>		
34 71 13 26-0207 LF Resilient Guard Fence And Light Shield, Up To 6' High .....	81.41	6.36
<b>34 71 13 26-0208 Individual Concrete Guard Rail Posts (34 71 13 26)</b>		
34 71 13 26-0209 EA 6'-5" Concrete Guard Rail Posts, Round.....	86.57	6.36
34 71 13 26-0210 EA 6'-5" Concrete Posts, Square.....	96.77	7.15
34 71 13 26-0211 EA 6'-5" Concrete Posts, Triangular .....	94.13	7.15
<b>34 71 16 Impact Attenuating Devices (34 71)</b>		
<b>34 71 16 00-0001 Guard Rail Energy Absorbing Terminals (34 71 16)</b>		
Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
<b>34 71 16 00-0002 24" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)</b>		
34 71 16 00-0003 EA 24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator .....	33,182.54	3,264.28
34 71 16 00-0004 EA 24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator .....	46,117.62	4,352.38
34 71 16 00-0005 EA 24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator .....	62,981.70	5,712.49
34 71 16 00-0006 EA 24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator .....	69,872.12	7,072.61
<b>34 71 16 00-0007 30" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)</b>		
34 71 16 00-0008 EA 30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator .....	35,702.25	3,672.32
34 71 16 00-0009 EA 30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator .....	49,773.81	4,896.43
34 71 16 00-0010 EA 30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator .....	68,347.23	6,528.57

**34 Transportation****34 70 Transportation Construction and Equipment****34 71 Roadway Construction**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 16 00-0011 EA 30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator .....	78,198.27	7,888.69
<b>34 71 16 00-0012 36" Wide Guard Rail Energy Absorbing Terminals</b> (34 71 16 00-0001)		
34 71 16 00-0013 EA 36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator .....	38,251.85	4,080.35
34 71 16 00-0014 EA 36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator .....	53,459.21	5,440.47
34 71 16 00-0015 EA 36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator .....	73,140.36	7,208.62
34 71 16 00-0016 EA 36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator .....	86,493.64	8,704.75
<b>34 71 16 00-0017 69" Wide Guard Rail Energy Absorbing Terminals</b> (34 71 16 00-0001)		
34 71 16 00-0018 EA 69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator .....	41,408.70	4,488.39
34 71 16 00-0019 EA 69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator .....	57,381.32	5,984.52
34 71 16 00-0020 EA 69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator .....	78,878.97	7,888.69
34 71 16 00-0021 EA 69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator .....	92,834.47	9,520.83
<b>34 71 16 00-0022 90" Wide Guard Rail Energy Absorbing Terminals</b> (34 71 16 00-0001)		
34 71 16 00-0023 EA 90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator .....	44,653.70	4,896.43
34 71 16 00-0024 EA 90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator .....	61,406.97	6,528.57
34 71 16 00-0025 EA 90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator .....	85,368.99	8,704.75
34 71 16 00-0026 EA 90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator .....	99,356.98	10,336.89
<b>34 71 19 Vehicle Delineators</b> (34 71)		
<b>34 71 19 16 Flexible Vehicle Delineators</b> (34 71 19)		
34 71 19 16-0001 EA 2' High, 3" Diameter Flexible Fixed Stanchion Delineator .....	88.59	7.94
34 71 19 16-0002 EA 3' High, 3" Diameter Flexible Fixed Stanchion Delineator .....	89.89	7.94
34 71 19 16-0003 EA 3-1/2' High, 3" Diameter Flexible Fixed Stanchion Delineator .....	91.19	7.94
34 71 19 16-0004 EA 4' High, 3" Diameter Flexible Fixed Stanchion Delineator .....	92.50	7.94

**END OF SECTION 34**



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

## 40 Process Interconnections

### 40 05 Common Work Results For Process Interconnections <sup>(40)</sup>

#### 40 05 19 Ductile Iron Process Pipe <sup>(40 05)</sup>

##### 40 05 19 00-0001 Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping <sup>(40 05 19)</sup>

Note: C110 Fittings, 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-2059 for bolts, 40 05 19 00-2074 for gaskets.

##### 40 05 19 00-0002 Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <sup>(40 05 19 00-0001)</sup>

##### 40 05 19 00-0003 4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <sup>(40 05 19 00-0002)</sup>

40 05 19 00-0004	EA 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	771.53	207.64
	For Class 52 Rating, Deduct	-50.26	
	For Class 54 Rating, Add	72.31	
	For Class 55 Rating, Add	109.44	
	For Class 56 Rating, Add	146.12	
40 05 19 00-0005	EA 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	825.92	211.27
	For Class 52 Rating, Deduct	-55.64	
	For Class 54 Rating, Add	79.71	
	For Class 55 Rating, Add	120.48	
	For Class 56 Rating, Add	160.74	
40 05 19 00-0006	EA 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	880.30	214.90
	For Class 52 Rating, Deduct	-61.02	
	For Class 54 Rating, Add	87.11	
	For Class 55 Rating, Add	131.51	
	For Class 56 Rating, Add	175.36	
40 05 19 00-0007	EA 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	934.69	218.53
	For Class 52 Rating, Deduct	-66.39	
	For Class 54 Rating, Add	94.51	
	For Class 55 Rating, Add	142.54	
	For Class 56 Rating, Add	189.98	
40 05 19 00-0008	EA 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	989.08	222.17
	For Class 52 Rating, Deduct	-71.77	
	For Class 54 Rating, Add	101.91	
	For Class 55 Rating, Add	153.58	
	For Class 56 Rating, Add	204.60	
40 05 19 00-0009	EA 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,043.47	225.79
	For Class 52 Rating, Deduct	-77.15	
	For Class 54 Rating, Add	109.31	
	For Class 55 Rating, Add	164.61	
	For Class 56 Rating, Add	219.22	
40 05 19 00-0010	EA 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,097.85	229.42
	For Class 52 Rating, Deduct	-82.53	
	For Class 54 Rating, Add	116.71	
	For Class 55 Rating, Add	175.65	
	For Class 56 Rating, Add	233.84	
40 05 19 00-0011	EA 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,152.25	233.06
	For Class 52 Rating, Deduct	-87.91	
	For Class 54 Rating, Add	124.11	
	For Class 55 Rating, Add	186.68	
	For Class 56 Rating, Add	248.46	
40 05 19 00-0012	EA 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,206.63	236.68
	For Class 52 Rating, Deduct	-93.28	
	For Class 54 Rating, Add	131.51	
	For Class 55 Rating, Add	197.72	
	For Class 56 Rating, Add	263.08	
40 05 19 00-0013	EA 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,261.02	240.31
	For Class 52 Rating, Deduct	-98.66	
	For Class 54 Rating, Add	138.91	
	For Class 55 Rating, Add	208.75	
	For Class 56 Rating, Add	277.70	
40 05 19 00-0014	EA 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,315.41	243.95
	For Class 52 Rating, Deduct	-104.04	
	For Class 54 Rating, Add	146.31	
	For Class 55 Rating, Add	219.78	
	For Class 56 Rating, Add	292.32	
40 05 19 00-0015	EA 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,369.80	247.57
	For Class 52 Rating, Deduct	-109.42	
	For Class 54 Rating, Add	153.70	
	For Class 55 Rating, Add	230.82	
	For Class 56 Rating, Add	306.94	
40 05 19 00-0016	EA 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,424.19	251.20
	For Class 52 Rating, Deduct	-114.79	
	For Class 54 Rating, Add	161.10	
	For Class 55 Rating, Add	241.85	
	For Class 56 Rating, Add	321.56	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0017	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,478.58	254.83
		<i>For Class 52 Rating, Deduct</i>	-120.17	
		<i>For Class 54 Rating, Add</i>	168.50	
		<i>For Class 55 Rating, Add</i>	252.89	
		<i>For Class 56 Rating, Add</i>	336.18	
40 05 19 00-0018	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,532.96	258.46
		<i>For Class 52 Rating, Deduct</i>	-125.55	
		<i>For Class 54 Rating, Add</i>	175.90	
		<i>For Class 55 Rating, Add</i>	263.92	
		<i>For Class 56 Rating, Add</i>	350.80	
40 05 19 00-0019	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,587.35	262.09
		<i>For Class 52 Rating, Deduct</i>	-130.93	
		<i>For Class 54 Rating, Add</i>	183.30	
		<i>For Class 55 Rating, Add</i>	274.95	
		<i>For Class 56 Rating, Add</i>	365.42	
40 05 19 00-0020	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,641.74	265.72
		<i>For Class 52 Rating, Deduct</i>	-136.30	
		<i>For Class 54 Rating, Add</i>	190.70	
		<i>For Class 55 Rating, Add</i>	285.99	
		<i>For Class 56 Rating, Add</i>	380.04	
40 05 19 00-0021	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,696.13	269.36
		<i>For Class 52 Rating, Deduct</i>	-141.68	
		<i>For Class 54 Rating, Add</i>	198.10	
		<i>For Class 55 Rating, Add</i>	297.02	
		<i>For Class 56 Rating, Add</i>	394.66	
40 05 19 00-0022	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,750.52	272.98
		<i>For Class 52 Rating, Deduct</i>	-147.06	
		<i>For Class 54 Rating, Add</i>	205.50	
		<i>For Class 55 Rating, Add</i>	308.06	
		<i>For Class 56 Rating, Add</i>	409.28	
40 05 19 00-0023	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,804.92	276.61
		<i>For Class 52 Rating, Deduct</i>	-152.44	
		<i>For Class 54 Rating, Add</i>	212.90	
		<i>For Class 55 Rating, Add</i>	319.09	
		<i>For Class 56 Rating, Add</i>	423.90	
40 05 19 00-0024	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,859.29	280.25
		<i>For Class 52 Rating, Deduct</i>	-157.81	
		<i>For Class 54 Rating, Add</i>	220.30	
		<i>For Class 55 Rating, Add</i>	330.12	
		<i>For Class 56 Rating, Add</i>	438.52	
40 05 19 00-0025	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,913.68	283.87
		<i>For Class 52 Rating, Deduct</i>	-163.19	
		<i>For Class 54 Rating, Add</i>	227.70	
		<i>For Class 55 Rating, Add</i>	341.16	
		<i>For Class 56 Rating, Add</i>	453.14	
40 05 19 00-0026	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,968.07	287.50
		<i>For Class 52 Rating, Deduct</i>	-168.57	
		<i>For Class 54 Rating, Add</i>	235.10	
		<i>For Class 55 Rating, Add</i>	352.19	
		<i>For Class 56 Rating, Add</i>	467.76	
40 05 19 00-0027	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,022.46	291.14
		<i>For Class 52 Rating, Deduct</i>	-173.95	
		<i>For Class 54 Rating, Add</i>	242.50	
		<i>For Class 55 Rating, Add</i>	363.23	
		<i>For Class 56 Rating, Add</i>	482.38	
40 05 19 00-0028	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,076.86	294.76
		<i>For Class 52 Rating, Deduct</i>	-179.33	
		<i>For Class 54 Rating, Add</i>	249.90	
		<i>For Class 55 Rating, Add</i>	374.26	
		<i>For Class 56 Rating, Add</i>	497.00	
40 05 19 00-0029	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,131.24	298.39
		<i>For Class 52 Rating, Deduct</i>	-184.70	
		<i>For Class 54 Rating, Add</i>	257.29	
		<i>For Class 55 Rating, Add</i>	385.30	
		<i>For Class 56 Rating, Add</i>	511.62	
40 05 19 00-0030	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,185.62	302.03
		<i>For Class 52 Rating, Deduct</i>	-190.08	
		<i>For Class 54 Rating, Add</i>	264.69	
		<i>For Class 55 Rating, Add</i>	396.33	
		<i>For Class 56 Rating, Add</i>	526.24	
40 05 19 00-0031	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,240.02	305.66
		<i>For Class 52 Rating, Deduct</i>	-195.46	
		<i>For Class 54 Rating, Add</i>	272.09	
		<i>For Class 55 Rating, Add</i>	407.36	
		<i>For Class 56 Rating, Add</i>	540.86	
40 05 19 00-0032	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,294.40	309.28
		<i>For Class 52 Rating, Deduct</i>	-200.84	
		<i>For Class 54 Rating, Add</i>	279.49	
		<i>For Class 55 Rating, Add</i>	418.40	
		<i>For Class 56 Rating, Add</i>	555.48	
40 05 19 00-0033	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,348.79	312.91
		<i>For Class 52 Rating, Deduct</i>	-206.21	
		<i>For Class 54 Rating, Add</i>	286.89	
		<i>For Class 55 Rating, Add</i>	429.43	
		<i>For Class 56 Rating, Add</i>	570.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0034 EA 4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,403.18	316.55
<i>For Class 52 Rating, Deduct</i>	-211.59	
<i>For Class 54 Rating, Add</i>	294.29	
<i>For Class 55 Rating, Add</i>	440.47	
<i>For Class 56 Rating, Add</i>	584.72	
40 05 19 00-0035 EA 4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,457.57	320.17
<i>For Class 52 Rating, Deduct</i>	-216.97	
<i>For Class 54 Rating, Add</i>	301.69	
<i>For Class 55 Rating, Add</i>	451.50	
<i>For Class 56 Rating, Add</i>	599.34	
40 05 19 00-0036 EA 4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,511.96	323.80
<i>For Class 52 Rating, Deduct</i>	-222.35	
<i>For Class 54 Rating, Add</i>	309.09	
<i>For Class 55 Rating, Add</i>	462.53	
<i>For Class 56 Rating, Add</i>	613.96	
40 05 19 00-0037 EA 4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,566.34	327.44
<i>For Class 52 Rating, Deduct</i>	-227.73	
<i>For Class 54 Rating, Add</i>	316.49	
<i>For Class 55 Rating, Add</i>	473.57	
<i>For Class 56 Rating, Add</i>	628.58	
40 05 19 00-0038 EA 4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,620.73	331.06
<i>For Class 52 Rating, Deduct</i>	-233.10	
<i>For Class 54 Rating, Add</i>	323.89	
<i>For Class 55 Rating, Add</i>	484.60	
<i>For Class 56 Rating, Add</i>	643.20	
40 05 19 00-0039 EA 4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,675.12	334.69
<i>For Class 52 Rating, Deduct</i>	-238.48	
<i>For Class 54 Rating, Add</i>	331.29	
<i>For Class 55 Rating, Add</i>	495.64	
<i>For Class 56 Rating, Add</i>	657.82	
40 05 19 00-0040 EA 4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,729.51	338.33
<i>For Class 52 Rating, Deduct</i>	-243.86	
<i>For Class 54 Rating, Add</i>	338.69	
<i>For Class 55 Rating, Add</i>	506.67	
<i>For Class 56 Rating, Add</i>	672.44	
40 05 19 00-0041 EA 4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,783.91	341.96
<i>For Class 52 Rating, Deduct</i>	-249.24	
<i>For Class 54 Rating, Add</i>	346.09	
<i>For Class 55 Rating, Add</i>	517.71	
<i>For Class 56 Rating, Add</i>	687.06	
40 05 19 00-0042 EA 4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,838.28	345.58
<i>For Class 52 Rating, Deduct</i>	-254.61	
<i>For Class 54 Rating, Add</i>	353.48	
<i>For Class 55 Rating, Add</i>	528.74	
<i>For Class 56 Rating, Add</i>	701.68	
<b>40 05 19 00-0043 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0044 EA 6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	977.03	261.36
<i>For Class 52 Rating, Deduct</i>	-63.91	
<i>For Class 54 Rating, Add</i>	91.91	
<i>For Class 55 Rating, Add</i>	139.07	
<i>For Class 56 Rating, Add</i>	185.66	
40 05 19 00-0045 EA 6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,042.71	265.00
<i>For Class 52 Rating, Deduct</i>	-70.53	
<i>For Class 54 Rating, Add</i>	101.00	
<i>For Class 55 Rating, Add</i>	152.62	
<i>For Class 56 Rating, Add</i>	203.61	
40 05 19 00-0046 EA 6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,108.37	268.63
<i>For Class 52 Rating, Deduct</i>	-77.15	
<i>For Class 54 Rating, Add</i>	110.09	
<i>For Class 55 Rating, Add</i>	166.17	
<i>For Class 56 Rating, Add</i>	221.55	
40 05 19 00-0047 EA 6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,174.04	272.25
<i>For Class 52 Rating, Deduct</i>	-83.77	
<i>For Class 54 Rating, Add</i>	119.18	
<i>For Class 55 Rating, Add</i>	179.72	
<i>For Class 56 Rating, Add</i>	239.50	
40 05 19 00-0048 EA 6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,239.71	275.89
<i>For Class 52 Rating, Deduct</i>	-90.39	
<i>For Class 54 Rating, Add</i>	128.27	
<i>For Class 55 Rating, Add</i>	193.27	
<i>For Class 56 Rating, Add</i>	257.45	
40 05 19 00-0049 EA 6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,305.38	279.52
<i>For Class 52 Rating, Deduct</i>	-97.01	
<i>For Class 54 Rating, Add</i>	137.36	
<i>For Class 55 Rating, Add</i>	206.82	
<i>For Class 56 Rating, Add</i>	275.40	
40 05 19 00-0050 EA 6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,371.05	283.14
<i>For Class 52 Rating, Deduct</i>	-103.62	
<i>For Class 54 Rating, Add</i>	146.45	
<i>For Class 55 Rating, Add</i>	220.37	
<i>For Class 56 Rating, Add</i>	293.35	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0051	EA		6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,436.72	286.78
			<i>For Class 52 Rating, Deduct</i>	-110.24	
			<i>For Class 54 Rating, Add</i>	155.55	
			<i>For Class 55 Rating, Add</i>	233.92	
			<i>For Class 56 Rating, Add</i>	311.29	
40 05 19 00-0052	EA		6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,502.39	290.41
			<i>For Class 52 Rating, Deduct</i>	-116.86	
			<i>For Class 54 Rating, Add</i>	164.64	
			<i>For Class 55 Rating, Add</i>	247.47	
			<i>For Class 56 Rating, Add</i>	329.24	
40 05 19 00-0053	EA		6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,568.07	294.04
			<i>For Class 52 Rating, Deduct</i>	-123.48	
			<i>For Class 54 Rating, Add</i>	173.73	
			<i>For Class 55 Rating, Add</i>	261.02	
			<i>For Class 56 Rating, Add</i>	347.19	
40 05 19 00-0054	EA		6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,633.73	297.67
			<i>For Class 52 Rating, Deduct</i>	-130.10	
			<i>For Class 54 Rating, Add</i>	182.82	
			<i>For Class 55 Rating, Add</i>	274.57	
			<i>For Class 56 Rating, Add</i>	365.14	
40 05 19 00-0055	EA		6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,699.40	301.30
			<i>For Class 52 Rating, Deduct</i>	-136.72	
			<i>For Class 54 Rating, Add</i>	191.91	
			<i>For Class 55 Rating, Add</i>	288.12	
			<i>For Class 56 Rating, Add</i>	383.09	
40 05 19 00-0056	EA		6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,765.07	304.93
			<i>For Class 52 Rating, Deduct</i>	-143.34	
			<i>For Class 54 Rating, Add</i>	201.00	
			<i>For Class 55 Rating, Add</i>	301.67	
			<i>For Class 56 Rating, Add</i>	401.04	
40 05 19 00-0057	EA		6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,830.74	308.55
			<i>For Class 52 Rating, Deduct</i>	-149.96	
			<i>For Class 54 Rating, Add</i>	210.09	
			<i>For Class 55 Rating, Add</i>	315.22	
			<i>For Class 56 Rating, Add</i>	418.98	
40 05 19 00-0058	EA		6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,896.42	312.19
			<i>For Class 52 Rating, Deduct</i>	-156.57	
			<i>For Class 54 Rating, Add</i>	219.19	
			<i>For Class 55 Rating, Add</i>	328.77	
			<i>For Class 56 Rating, Add</i>	436.93	
40 05 19 00-0059	EA		6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,962.08	315.82
			<i>For Class 52 Rating, Deduct</i>	-163.19	
			<i>For Class 54 Rating, Add</i>	228.28	
			<i>For Class 55 Rating, Add</i>	342.32	
			<i>For Class 56 Rating, Add</i>	454.88	
40 05 19 00-0060	EA		6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,027.75	319.44
			<i>For Class 52 Rating, Deduct</i>	-169.81	
			<i>For Class 54 Rating, Add</i>	237.37	
			<i>For Class 55 Rating, Add</i>	355.87	
			<i>For Class 56 Rating, Add</i>	472.83	
40 05 19 00-0061	EA		6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,093.43	323.08
			<i>For Class 52 Rating, Deduct</i>	-176.43	
			<i>For Class 54 Rating, Add</i>	246.46	
			<i>For Class 55 Rating, Add</i>	369.42	
			<i>For Class 56 Rating, Add</i>	490.78	
40 05 19 00-0062	EA		6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,159.09	326.71
			<i>For Class 52 Rating, Deduct</i>	-183.05	
			<i>For Class 54 Rating, Add</i>	255.55	
			<i>For Class 55 Rating, Add</i>	382.97	
			<i>For Class 56 Rating, Add</i>	508.72	
40 05 19 00-0063	EA		6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,224.77	330.33
			<i>For Class 52 Rating, Deduct</i>	-189.67	
			<i>For Class 54 Rating, Add</i>	264.64	
			<i>For Class 55 Rating, Add</i>	396.52	
			<i>For Class 56 Rating, Add</i>	526.67	
40 05 19 00-0064	EA		6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,290.43	333.97
			<i>For Class 52 Rating, Deduct</i>	-196.29	
			<i>For Class 54 Rating, Add</i>	273.74	
			<i>For Class 55 Rating, Add</i>	410.07	
			<i>For Class 56 Rating, Add</i>	544.62	
40 05 19 00-0065	EA		6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,356.10	337.60
			<i>For Class 52 Rating, Deduct</i>	-202.90	
			<i>For Class 54 Rating, Add</i>	282.83	
			<i>For Class 55 Rating, Add</i>	423.62	
			<i>For Class 56 Rating, Add</i>	562.57	
40 05 19 00-0066	EA		6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,421.78	341.23
			<i>For Class 52 Rating, Deduct</i>	-209.52	
			<i>For Class 54 Rating, Add</i>	291.92	
			<i>For Class 55 Rating, Add</i>	437.17	
			<i>For Class 56 Rating, Add</i>	580.52	
40 05 19 00-0067	EA		6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,487.44	344.86
			<i>For Class 52 Rating, Deduct</i>	-216.14	
			<i>For Class 54 Rating, Add</i>	301.01	
			<i>For Class 55 Rating, Add</i>	450.72	
			<i>For Class 56 Rating, Add</i>	598.46	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0068 EA 6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,553.12	348.49
<i>For Class 52 Rating, Deduct</i>	-222.76	
<i>For Class 54 Rating, Add</i>	310.10	
<i>For Class 55 Rating, Add</i>	464.27	
<i>For Class 56 Rating, Add</i>	616.41	
40 05 19 00-0069 EA 6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,618.79	352.12
<i>For Class 52 Rating, Deduct</i>	-229.38	
<i>For Class 54 Rating, Add</i>	319.19	
<i>For Class 55 Rating, Add</i>	477.82	
<i>For Class 56 Rating, Add</i>	634.36	
40 05 19 00-0070 EA 6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,684.46	355.75
<i>For Class 52 Rating, Deduct</i>	-236.00	
<i>For Class 54 Rating, Add</i>	328.29	
<i>For Class 55 Rating, Add</i>	491.37	
<i>For Class 56 Rating, Add</i>	652.31	
40 05 19 00-0071 EA 6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,750.14	359.38
<i>For Class 52 Rating, Deduct</i>	-242.62	
<i>For Class 54 Rating, Add</i>	337.38	
<i>For Class 55 Rating, Add</i>	504.92	
<i>For Class 56 Rating, Add</i>	670.26	
40 05 19 00-0072 EA 6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,815.80	363.01
<i>For Class 52 Rating, Deduct</i>	-249.24	
<i>For Class 54 Rating, Add</i>	346.47	
<i>For Class 55 Rating, Add</i>	518.47	
<i>For Class 56 Rating, Add</i>	688.21	
40 05 19 00-0073 EA 6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,881.47	366.63
<i>For Class 52 Rating, Deduct</i>	-255.86	
<i>For Class 54 Rating, Add</i>	355.56	
<i>For Class 55 Rating, Add</i>	532.02	
<i>For Class 56 Rating, Add</i>	706.16	
40 05 19 00-0074 EA 6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,947.15	370.27
<i>For Class 52 Rating, Deduct</i>	-262.47	
<i>For Class 54 Rating, Add</i>	364.65	
<i>For Class 55 Rating, Add</i>	545.57	
<i>For Class 56 Rating, Add</i>	724.11	
40 05 19 00-0075 EA 6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,012.81	373.90
<i>For Class 52 Rating, Deduct</i>	-269.09	
<i>For Class 54 Rating, Add</i>	373.74	
<i>For Class 55 Rating, Add</i>	559.12	
<i>For Class 56 Rating, Add</i>	742.05	
40 05 19 00-0076 EA 6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,078.49	377.53
<i>For Class 52 Rating, Deduct</i>	-275.71	
<i>For Class 54 Rating, Add</i>	382.83	
<i>For Class 55 Rating, Add</i>	572.67	
<i>For Class 56 Rating, Add</i>	760.00	
40 05 19 00-0077 EA 6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,144.15	381.16
<i>For Class 52 Rating, Deduct</i>	-282.33	
<i>For Class 54 Rating, Add</i>	391.93	
<i>For Class 55 Rating, Add</i>	586.22	
<i>For Class 56 Rating, Add</i>	777.95	
40 05 19 00-0078 EA 6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,209.82	384.79
<i>For Class 52 Rating, Deduct</i>	-288.95	
<i>For Class 54 Rating, Add</i>	401.02	
<i>For Class 55 Rating, Add</i>	599.77	
<i>For Class 56 Rating, Add</i>	795.90	
40 05 19 00-0079 EA 6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,275.50	388.42
<i>For Class 52 Rating, Deduct</i>	-295.57	
<i>For Class 54 Rating, Add</i>	410.11	
<i>For Class 55 Rating, Add</i>	613.32	
<i>For Class 56 Rating, Add</i>	813.85	
40 05 19 00-0080 EA 6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,341.16	392.05
<i>For Class 52 Rating, Deduct</i>	-302.19	
<i>For Class 54 Rating, Add</i>	419.20	
<i>For Class 55 Rating, Add</i>	626.87	
<i>For Class 56 Rating, Add</i>	831.79	
40 05 19 00-0081 EA 6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,406.84	395.68
<i>For Class 52 Rating, Deduct</i>	-308.81	
<i>For Class 54 Rating, Add</i>	428.29	
<i>For Class 55 Rating, Add</i>	640.42	
<i>For Class 56 Rating, Add</i>	849.74	
40 05 19 00-0082 EA 6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,472.51	399.31
<i>For Class 52 Rating, Deduct</i>	-315.42	
<i>For Class 54 Rating, Add</i>	437.38	
<i>For Class 55 Rating, Add</i>	653.97	
<i>For Class 56 Rating, Add</i>	867.69	
<b>40 05 19 00-0083 8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b>		
<small>(40 05 19 00-0002)</small>		
40 05 19 00-0084 EA 8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,361.56	333.97
<i>For Class 52 Rating, Deduct</i>	-94.11	
<i>For Class 54 Rating, Add</i>	134.40	
<i>For Class 55 Rating, Add</i>	202.93	
<i>For Class 56 Rating, Add</i>	270.60	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0085	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,449.79	337.60
		<i>For Class 52 Rating, Deduct</i>	-103.21	
		<i>For Class 54 Rating, Add</i>	146.88	
		<i>For Class 55 Rating, Add</i>	221.51	
		<i>For Class 56 Rating, Add</i>	295.21	
40 05 19 00-0086	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,538.03	341.23
		<i>For Class 52 Rating, Deduct</i>	-112.31	
		<i>For Class 54 Rating, Add</i>	159.36	
		<i>For Class 55 Rating, Add</i>	240.09	
		<i>For Class 56 Rating, Add</i>	319.81	
40 05 19 00-0087	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,626.26	344.86
		<i>For Class 52 Rating, Deduct</i>	-121.41	
		<i>For Class 54 Rating, Add</i>	171.83	
		<i>For Class 55 Rating, Add</i>	258.68	
		<i>For Class 56 Rating, Add</i>	344.42	
40 05 19 00-0088	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,714.50	348.49
		<i>For Class 52 Rating, Deduct</i>	-130.51	
		<i>For Class 54 Rating, Add</i>	184.31	
		<i>For Class 55 Rating, Add</i>	277.26	
		<i>For Class 56 Rating, Add</i>	369.02	
40 05 19 00-0089	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,802.74	352.12
		<i>For Class 52 Rating, Deduct</i>	-139.61	
		<i>For Class 54 Rating, Add</i>	196.79	
		<i>For Class 55 Rating, Add</i>	295.84	
		<i>For Class 56 Rating, Add</i>	393.63	
40 05 19 00-0090	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,890.96	355.75
		<i>For Class 52 Rating, Deduct</i>	-148.71	
		<i>For Class 54 Rating, Add</i>	209.26	
		<i>For Class 55 Rating, Add</i>	314.42	
		<i>For Class 56 Rating, Add</i>	418.23	
40 05 19 00-0091	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,979.20	359.38
		<i>For Class 52 Rating, Deduct</i>	-157.81	
		<i>For Class 54 Rating, Add</i>	221.74	
		<i>For Class 55 Rating, Add</i>	333.00	
		<i>For Class 56 Rating, Add</i>	442.83	
40 05 19 00-0092	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,067.43	363.01
		<i>For Class 52 Rating, Deduct</i>	-166.92	
		<i>For Class 54 Rating, Add</i>	234.21	
		<i>For Class 55 Rating, Add</i>	351.58	
		<i>For Class 56 Rating, Add</i>	467.44	
40 05 19 00-0093	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,155.66	366.63
		<i>For Class 52 Rating, Deduct</i>	-176.02	
		<i>For Class 54 Rating, Add</i>	246.69	
		<i>For Class 55 Rating, Add</i>	370.17	
		<i>For Class 56 Rating, Add</i>	492.04	
40 05 19 00-0094	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,243.91	370.27
		<i>For Class 52 Rating, Deduct</i>	-185.12	
		<i>For Class 54 Rating, Add</i>	259.17	
		<i>For Class 55 Rating, Add</i>	388.75	
		<i>For Class 56 Rating, Add</i>	516.65	
40 05 19 00-0095	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,332.13	373.90
		<i>For Class 52 Rating, Deduct</i>	-194.22	
		<i>For Class 54 Rating, Add</i>	271.64	
		<i>For Class 55 Rating, Add</i>	407.33	
		<i>For Class 56 Rating, Add</i>	541.25	
40 05 19 00-0096	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,420.37	377.53
		<i>For Class 52 Rating, Deduct</i>	-203.32	
		<i>For Class 54 Rating, Add</i>	284.12	
		<i>For Class 55 Rating, Add</i>	425.91	
		<i>For Class 56 Rating, Add</i>	565.86	
40 05 19 00-0097	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,508.60	381.16
		<i>For Class 52 Rating, Deduct</i>	-212.42	
		<i>For Class 54 Rating, Add</i>	296.59	
		<i>For Class 55 Rating, Add</i>	444.49	
		<i>For Class 56 Rating, Add</i>	590.46	
40 05 19 00-0098	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,596.83	384.79
		<i>For Class 52 Rating, Deduct</i>	-221.52	
		<i>For Class 54 Rating, Add</i>	309.07	
		<i>For Class 55 Rating, Add</i>	463.07	
		<i>For Class 56 Rating, Add</i>	615.07	
40 05 19 00-0099	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,685.08	388.42
		<i>For Class 52 Rating, Deduct</i>	-230.62	
		<i>For Class 54 Rating, Add</i>	321.55	
		<i>For Class 55 Rating, Add</i>	481.66	
		<i>For Class 56 Rating, Add</i>	639.67	
40 05 19 00-0100	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,773.30	392.05
		<i>For Class 52 Rating, Deduct</i>	-239.72	
		<i>For Class 54 Rating, Add</i>	334.02	
		<i>For Class 55 Rating, Add</i>	500.24	
		<i>For Class 56 Rating, Add</i>	664.27	
40 05 19 00-0101	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,861.54	395.68
		<i>For Class 52 Rating, Deduct</i>	-248.82	
		<i>For Class 54 Rating, Add</i>	346.50	
		<i>For Class 55 Rating, Add</i>	518.82	
		<i>For Class 56 Rating, Add</i>	688.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0102 EA 8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,949.78	399.31
<i>For Class 52 Rating, Deduct</i>	-257.92	
<i>For Class 54 Rating, Add</i>	358.97	
<i>For Class 55 Rating, Add</i>	537.40	
<i>For Class 56 Rating, Add</i>	713.48	
40 05 19 00-0103 EA 8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,038.00	402.94
<i>For Class 52 Rating, Deduct</i>	-267.02	
<i>For Class 54 Rating, Add</i>	371.45	
<i>For Class 55 Rating, Add</i>	555.98	
<i>For Class 56 Rating, Add</i>	738.09	
40 05 19 00-0104 EA 8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,126.25	406.57
<i>For Class 52 Rating, Deduct</i>	-276.13	
<i>For Class 54 Rating, Add</i>	383.93	
<i>For Class 55 Rating, Add</i>	574.57	
<i>For Class 56 Rating, Add</i>	762.69	
40 05 19 00-0105 EA 8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,214.47	410.20
<i>For Class 52 Rating, Deduct</i>	-285.23	
<i>For Class 54 Rating, Add</i>	396.40	
<i>For Class 55 Rating, Add</i>	593.15	
<i>For Class 56 Rating, Add</i>	787.30	
40 05 19 00-0106 EA 8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,302.72	413.84
<i>For Class 52 Rating, Deduct</i>	-294.33	
<i>For Class 54 Rating, Add</i>	408.88	
<i>For Class 55 Rating, Add</i>	611.73	
<i>For Class 56 Rating, Add</i>	811.90	
40 05 19 00-0107 EA 8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,390.95	417.46
<i>For Class 52 Rating, Deduct</i>	-303.43	
<i>For Class 54 Rating, Add</i>	421.35	
<i>For Class 55 Rating, Add</i>	630.31	
<i>For Class 56 Rating, Add</i>	836.51	
40 05 19 00-0108 EA 8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,479.17	421.09
<i>For Class 52 Rating, Deduct</i>	-312.53	
<i>For Class 54 Rating, Add</i>	433.83	
<i>For Class 55 Rating, Add</i>	648.89	
<i>For Class 56 Rating, Add</i>	861.11	
40 05 19 00-0109 EA 8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,567.42	424.72
<i>For Class 52 Rating, Deduct</i>	-321.63	
<i>For Class 54 Rating, Add</i>	446.31	
<i>For Class 55 Rating, Add</i>	667.47	
<i>For Class 56 Rating, Add</i>	885.72	
40 05 19 00-0110 EA 8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,655.65	428.35
<i>For Class 52 Rating, Deduct</i>	-330.73	
<i>For Class 54 Rating, Add</i>	458.78	
<i>For Class 55 Rating, Add</i>	686.05	
<i>For Class 56 Rating, Add</i>	910.32	
40 05 19 00-0111 EA 8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,743.88	431.98
<i>For Class 52 Rating, Deduct</i>	-339.83	
<i>For Class 54 Rating, Add</i>	471.26	
<i>For Class 55 Rating, Add</i>	704.64	
<i>For Class 56 Rating, Add</i>	934.93	
40 05 19 00-0112 EA 8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,832.12	435.61
<i>For Class 52 Rating, Deduct</i>	-348.93	
<i>For Class 54 Rating, Add</i>	483.74	
<i>For Class 55 Rating, Add</i>	723.22	
<i>For Class 56 Rating, Add</i>	959.53	
40 05 19 00-0113 EA 8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,920.34	439.24
<i>For Class 52 Rating, Deduct</i>	-358.03	
<i>For Class 54 Rating, Add</i>	496.21	
<i>For Class 55 Rating, Add</i>	741.80	
<i>For Class 56 Rating, Add</i>	984.13	
40 05 19 00-0114 EA 8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,008.59	442.87
<i>For Class 52 Rating, Deduct</i>	-367.13	
<i>For Class 54 Rating, Add</i>	508.69	
<i>For Class 55 Rating, Add</i>	760.38	
<i>For Class 56 Rating, Add</i>	1,008.74	
40 05 19 00-0115 EA 8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,096.82	446.50
<i>For Class 52 Rating, Deduct</i>	-376.23	
<i>For Class 54 Rating, Add</i>	521.16	
<i>For Class 55 Rating, Add</i>	778.96	
<i>For Class 56 Rating, Add</i>	1,033.34	
40 05 19 00-0116 EA 8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,185.05	450.14
<i>For Class 52 Rating, Deduct</i>	-385.33	
<i>For Class 54 Rating, Add</i>	533.64	
<i>For Class 55 Rating, Add</i>	797.55	
<i>For Class 56 Rating, Add</i>	1,057.95	
40 05 19 00-0117 EA 8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,273.29	453.76
<i>For Class 52 Rating, Deduct</i>	-394.43	
<i>For Class 54 Rating, Add</i>	546.12	
<i>For Class 55 Rating, Add</i>	816.13	
<i>For Class 56 Rating, Add</i>	1,082.55	
40 05 19 00-0118 EA 8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,361.52	457.39
<i>For Class 52 Rating, Deduct</i>	-403.54	
<i>For Class 54 Rating, Add</i>	558.59	
<i>For Class 55 Rating, Add</i>	834.71	
<i>For Class 56 Rating, Add</i>	1,107.16	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0119	EA		8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,449.76	461.03
			<i>For Class 52 Rating, Deduct</i>	-412.64	
			<i>For Class 54 Rating, Add</i>	571.07	
			<i>For Class 55 Rating, Add</i>	853.29	
			<i>For Class 56 Rating, Add</i>	1,131.76	
40 05 19 00-0120	EA		8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,537.99	464.65
			<i>For Class 52 Rating, Deduct</i>	-421.74	
			<i>For Class 54 Rating, Add</i>	583.54	
			<i>For Class 55 Rating, Add</i>	871.87	
			<i>For Class 56 Rating, Add</i>	1,156.37	
40 05 19 00-0121	EA		8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,626.22	468.28
			<i>For Class 52 Rating, Deduct</i>	-430.84	
			<i>For Class 54 Rating, Add</i>	596.02	
			<i>For Class 55 Rating, Add</i>	890.45	
			<i>For Class 56 Rating, Add</i>	1,180.97	
40 05 19 00-0122	EA		8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,714.46	471.92
			<i>For Class 52 Rating, Deduct</i>	-439.94	
			<i>For Class 54 Rating, Add</i>	608.50	
			<i>For Class 55 Rating, Add</i>	909.04	
			<i>For Class 56 Rating, Add</i>	1,205.58	
<b>40 05 19 00-0123</b>			<b>10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small></b>		
40 05 19 00-0124	EA		10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,714.13	406.57
			<i>For Class 52 Rating, Deduct</i>	-120.79	
			<i>For Class 54 Rating, Add</i>	172.11	
			<i>For Class 55 Rating, Add</i>	259.66	
			<i>For Class 56 Rating, Add</i>	346.12	
40 05 19 00-0125	EA		10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,828.68	410.20
			<i>For Class 52 Rating, Deduct</i>	-132.79	
			<i>For Class 54 Rating, Add</i>	188.53	
			<i>For Class 55 Rating, Add</i>	284.12	
			<i>For Class 56 Rating, Add</i>	378.49	
40 05 19 00-0126	EA		10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,943.24	413.84
			<i>For Class 52 Rating, Deduct</i>	-144.78	
			<i>For Class 54 Rating, Add</i>	204.96	
			<i>For Class 55 Rating, Add</i>	308.57	
			<i>For Class 56 Rating, Add</i>	410.86	
40 05 19 00-0127	EA		10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,057.80	417.46
			<i>For Class 52 Rating, Deduct</i>	-156.78	
			<i>For Class 54 Rating, Add</i>	221.38	
			<i>For Class 55 Rating, Add</i>	333.02	
			<i>For Class 56 Rating, Add</i>	443.23	
40 05 19 00-0128	EA		10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,172.35	421.09
			<i>For Class 52 Rating, Deduct</i>	-168.78	
			<i>For Class 54 Rating, Add</i>	237.81	
			<i>For Class 55 Rating, Add</i>	357.47	
			<i>For Class 56 Rating, Add</i>	475.60	
40 05 19 00-0129	EA		10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,286.92	424.72
			<i>For Class 52 Rating, Deduct</i>	-180.77	
			<i>For Class 54 Rating, Add</i>	254.23	
			<i>For Class 55 Rating, Add</i>	381.92	
			<i>For Class 56 Rating, Add</i>	507.97	
40 05 19 00-0130	EA		10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,401.48	428.35
			<i>For Class 52 Rating, Deduct</i>	-192.77	
			<i>For Class 54 Rating, Add</i>	270.66	
			<i>For Class 55 Rating, Add</i>	406.38	
			<i>For Class 56 Rating, Add</i>	540.34	
40 05 19 00-0131	EA		10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,516.03	431.98
			<i>For Class 52 Rating, Deduct</i>	-204.77	
			<i>For Class 54 Rating, Add</i>	287.08	
			<i>For Class 55 Rating, Add</i>	430.83	
			<i>For Class 56 Rating, Add</i>	572.71	
40 05 19 00-0132	EA		10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,630.60	435.61
			<i>For Class 52 Rating, Deduct</i>	-216.76	
			<i>For Class 54 Rating, Add</i>	303.51	
			<i>For Class 55 Rating, Add</i>	455.28	
			<i>For Class 56 Rating, Add</i>	605.08	
40 05 19 00-0133	EA		10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,745.14	439.24
			<i>For Class 52 Rating, Deduct</i>	-228.76	
			<i>For Class 54 Rating, Add</i>	319.93	
			<i>For Class 55 Rating, Add</i>	479.73	
			<i>For Class 56 Rating, Add</i>	637.45	
40 05 19 00-0134	EA		10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,859.71	442.87
			<i>For Class 52 Rating, Deduct</i>	-240.76	
			<i>For Class 54 Rating, Add</i>	336.36	
			<i>For Class 55 Rating, Add</i>	504.18	
			<i>For Class 56 Rating, Add</i>	669.82	
40 05 19 00-0135	EA		10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,974.27	446.50
			<i>For Class 52 Rating, Deduct</i>	-252.75	
			<i>For Class 54 Rating, Add</i>	352.78	
			<i>For Class 55 Rating, Add</i>	528.63	
			<i>For Class 56 Rating, Add</i>	702.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0136 EA 10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,088.82	450.14
<i>For Class 52 Rating, Deduct</i>	-264.75	
<i>For Class 54 Rating, Add</i>	369.21	
<i>For Class 55 Rating, Add</i>	553.09	
<i>For Class 56 Rating, Add</i>	734.56	
40 05 19 00-0137 EA 10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,203.39	453.76
<i>For Class 52 Rating, Deduct</i>	-276.75	
<i>For Class 54 Rating, Add</i>	385.63	
<i>For Class 55 Rating, Add</i>	577.54	
<i>For Class 56 Rating, Add</i>	766.93	
40 05 19 00-0138 EA 10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,317.95	457.39
<i>For Class 52 Rating, Deduct</i>	-288.74	
<i>For Class 54 Rating, Add</i>	402.06	
<i>For Class 55 Rating, Add</i>	601.99	
<i>For Class 56 Rating, Add</i>	799.30	
40 05 19 00-0139 EA 10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,432.51	461.03
<i>For Class 52 Rating, Deduct</i>	-300.74	
<i>For Class 54 Rating, Add</i>	418.48	
<i>For Class 55 Rating, Add</i>	626.44	
<i>For Class 56 Rating, Add</i>	831.67	
40 05 19 00-0140 EA 10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,547.06	464.65
<i>For Class 52 Rating, Deduct</i>	-312.73	
<i>For Class 54 Rating, Add</i>	434.90	
<i>For Class 55 Rating, Add</i>	650.89	
<i>For Class 56 Rating, Add</i>	864.04	
40 05 19 00-0141 EA 10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,661.61	468.28
<i>For Class 52 Rating, Deduct</i>	-324.73	
<i>For Class 54 Rating, Add</i>	451.33	
<i>For Class 55 Rating, Add</i>	675.35	
<i>For Class 56 Rating, Add</i>	896.41	
40 05 19 00-0142 EA 10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,776.18	471.92
<i>For Class 52 Rating, Deduct</i>	-336.73	
<i>For Class 54 Rating, Add</i>	467.75	
<i>For Class 55 Rating, Add</i>	699.80	
<i>For Class 56 Rating, Add</i>	928.78	
40 05 19 00-0143 EA 10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,890.74	475.54
<i>For Class 52 Rating, Deduct</i>	-348.72	
<i>For Class 54 Rating, Add</i>	484.18	
<i>For Class 55 Rating, Add</i>	724.25	
<i>For Class 56 Rating, Add</i>	961.15	
40 05 19 00-0144 EA 10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,005.30	479.17
<i>For Class 52 Rating, Deduct</i>	-360.72	
<i>For Class 54 Rating, Add</i>	500.60	
<i>For Class 55 Rating, Add</i>	748.70	
<i>For Class 56 Rating, Add</i>	993.52	
40 05 19 00-0145 EA 10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,119.86	482.80
<i>For Class 52 Rating, Deduct</i>	-372.72	
<i>For Class 54 Rating, Add</i>	517.03	
<i>For Class 55 Rating, Add</i>	773.16	
<i>For Class 56 Rating, Add</i>	1,025.90	
40 05 19 00-0146 EA 10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,234.42	486.44
<i>For Class 52 Rating, Deduct</i>	-384.71	
<i>For Class 54 Rating, Add</i>	533.45	
<i>For Class 55 Rating, Add</i>	797.61	
<i>For Class 56 Rating, Add</i>	1,058.27	
40 05 19 00-0147 EA 10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,348.97	490.06
<i>For Class 52 Rating, Deduct</i>	-396.71	
<i>For Class 54 Rating, Add</i>	549.88	
<i>For Class 55 Rating, Add</i>	822.06	
<i>For Class 56 Rating, Add</i>	1,090.63	
40 05 19 00-0148 EA 10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,463.53	493.69
<i>For Class 52 Rating, Deduct</i>	-408.71	
<i>For Class 54 Rating, Add</i>	566.30	
<i>For Class 55 Rating, Add</i>	846.51	
<i>For Class 56 Rating, Add</i>	1,123.00	
40 05 19 00-0149 EA 10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,578.21	497.33
<i>For Class 52 Rating, Deduct</i>	-420.70	
<i>For Class 54 Rating, Add</i>	582.73	
<i>For Class 55 Rating, Add</i>	870.96	
<i>For Class 56 Rating, Add</i>	1,155.37	
40 05 19 00-0150 EA 10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,692.65	500.95
<i>For Class 52 Rating, Deduct</i>	-432.70	
<i>For Class 54 Rating, Add</i>	599.15	
<i>For Class 55 Rating, Add</i>	895.42	
<i>For Class 56 Rating, Add</i>	1,187.75	
40 05 19 00-0151 EA 10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,807.21	504.58
<i>For Class 52 Rating, Deduct</i>	-444.70	
<i>For Class 54 Rating, Add</i>	615.58	
<i>For Class 55 Rating, Add</i>	919.87	
<i>For Class 56 Rating, Add</i>	1,220.12	
40 05 19 00-0152 EA 10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,921.77	508.22
<i>For Class 52 Rating, Deduct</i>	-456.69	
<i>For Class 54 Rating, Add</i>	632.00	
<i>For Class 55 Rating, Add</i>	944.32	
<i>For Class 56 Rating, Add</i>	1,252.49	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0153	EA		10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,036.33	511.84
			<i>For Class 52 Rating, Deduct</i>	-468.69	
			<i>For Class 54 Rating, Add</i>	648.43	
			<i>For Class 55 Rating, Add</i>	968.77	
			<i>For Class 56 Rating, Add</i>	1,284.86	
40 05 19 00-0154	EA		10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,150.88	515.47
			<i>For Class 52 Rating, Deduct</i>	-480.68	
			<i>For Class 54 Rating, Add</i>	664.85	
			<i>For Class 55 Rating, Add</i>	993.22	
			<i>For Class 56 Rating, Add</i>	1,317.23	
40 05 19 00-0155	EA		10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,263.56	519.11
			<i>For Class 52 Rating, Deduct</i>	-492.47	
			<i>For Class 54 Rating, Add</i>	680.99	
			<i>For Class 55 Rating, Add</i>	1,017.26	
			<i>For Class 56 Rating, Add</i>	1,349.04	
40 05 19 00-0156	EA		10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,380.00	522.73
			<i>For Class 52 Rating, Deduct</i>	-504.68	
			<i>For Class 54 Rating, Add</i>	697.70	
			<i>For Class 55 Rating, Add</i>	1,042.13	
			<i>For Class 56 Rating, Add</i>	1,381.97	
40 05 19 00-0157	EA		10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,494.56	526.36
			<i>For Class 52 Rating, Deduct</i>	-516.67	
			<i>For Class 54 Rating, Add</i>	714.13	
			<i>For Class 55 Rating, Add</i>	1,066.58	
			<i>For Class 56 Rating, Add</i>	1,414.34	
40 05 19 00-0158	EA		10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,609.12	530.00
			<i>For Class 52 Rating, Deduct</i>	-528.67	
			<i>For Class 54 Rating, Add</i>	730.55	
			<i>For Class 55 Rating, Add</i>	1,091.03	
			<i>For Class 56 Rating, Add</i>	1,446.71	
40 05 19 00-0159	EA		10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,723.68	533.63
			<i>For Class 52 Rating, Deduct</i>	-540.67	
			<i>For Class 54 Rating, Add</i>	746.98	
			<i>For Class 55 Rating, Add</i>	1,115.49	
			<i>For Class 56 Rating, Add</i>	1,479.08	
40 05 19 00-0160	EA		10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,838.24	537.25
			<i>For Class 52 Rating, Deduct</i>	-552.66	
			<i>For Class 54 Rating, Add</i>	763.40	
			<i>For Class 55 Rating, Add</i>	1,139.94	
			<i>For Class 56 Rating, Add</i>	1,511.45	
40 05 19 00-0161	EA		10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,952.79	540.88
			<i>For Class 52 Rating, Deduct</i>	-564.66	
			<i>For Class 54 Rating, Add</i>	779.82	
			<i>For Class 55 Rating, Add</i>	1,164.39	
			<i>For Class 56 Rating, Add</i>	1,543.82	
40 05 19 00-0162	EA		10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,067.36	544.52
			<i>For Class 52 Rating, Deduct</i>	-576.66	
			<i>For Class 54 Rating, Add</i>	796.25	
			<i>For Class 55 Rating, Add</i>	1,188.84	
			<i>For Class 56 Rating, Add</i>	1,576.19	
40 05 19 00-0163			<b>12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0164	EA		12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,240.43	508.22
			<i>For Class 52 Rating, Deduct</i>	-161.75	
			<i>For Class 54 Rating, Add</i>	229.80	
			<i>For Class 55 Rating, Add</i>	346.38	
			<i>For Class 56 Rating, Add</i>	461.49	
40 05 19 00-0165	EA		12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,383.19	511.84
			<i>For Class 52 Rating, Deduct</i>	-176.84	
			<i>For Class 54 Rating, Add</i>	250.46	
			<i>For Class 55 Rating, Add</i>	377.12	
			<i>For Class 56 Rating, Add</i>	502.18	
40 05 19 00-0166	EA		12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,525.96	515.47
			<i>For Class 52 Rating, Deduct</i>	-191.94	
			<i>For Class 54 Rating, Add</i>	271.11	
			<i>For Class 55 Rating, Add</i>	407.87	
			<i>For Class 56 Rating, Add</i>	542.87	
40 05 19 00-0167	EA		12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,668.72	519.11
			<i>For Class 52 Rating, Deduct</i>	-207.04	
			<i>For Class 54 Rating, Add</i>	291.77	
			<i>For Class 55 Rating, Add</i>	438.61	
			<i>For Class 56 Rating, Add</i>	583.56	
40 05 19 00-0168	EA		12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,811.48	522.73
			<i>For Class 52 Rating, Deduct</i>	-222.14	
			<i>For Class 54 Rating, Add</i>	312.42	
			<i>For Class 55 Rating, Add</i>	469.35	
			<i>For Class 56 Rating, Add</i>	624.25	
40 05 19 00-0169	EA		12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,954.25	526.36
			<i>For Class 52 Rating, Deduct</i>	-237.24	
			<i>For Class 54 Rating, Add</i>	333.08	
			<i>For Class 55 Rating, Add</i>	500.09	
			<i>For Class 56 Rating, Add</i>	664.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0170 EA 12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,097.01	530.00
<i>For Class 52 Rating, Deduct</i>	-252.34	
<i>For Class 54 Rating, Add</i>	353.73	
<i>For Class 55 Rating, Add</i>	530.83	
<i>For Class 56 Rating, Add</i>	705.64	
40 05 19 00-0171 EA 12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,239.77	533.63
<i>For Class 52 Rating, Deduct</i>	-267.44	
<i>For Class 54 Rating, Add</i>	374.39	
<i>For Class 55 Rating, Add</i>	561.57	
<i>For Class 56 Rating, Add</i>	746.33	
40 05 19 00-0172 EA 12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,382.54	537.25
<i>For Class 52 Rating, Deduct</i>	-282.54	
<i>For Class 54 Rating, Add</i>	395.05	
<i>For Class 55 Rating, Add</i>	592.32	
<i>For Class 56 Rating, Add</i>	787.02	
40 05 19 00-0173 EA 12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,525.30	540.88
<i>For Class 52 Rating, Deduct</i>	-297.64	
<i>For Class 54 Rating, Add</i>	415.70	
<i>For Class 55 Rating, Add</i>	623.06	
<i>For Class 56 Rating, Add</i>	827.71	
40 05 19 00-0174 EA 12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,668.07	544.52
<i>For Class 52 Rating, Deduct</i>	-312.73	
<i>For Class 54 Rating, Add</i>	436.36	
<i>For Class 55 Rating, Add</i>	653.80	
<i>For Class 56 Rating, Add</i>	868.40	
40 05 19 00-0175 EA 12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,810.83	548.14
<i>For Class 52 Rating, Deduct</i>	-327.83	
<i>For Class 54 Rating, Add</i>	457.01	
<i>For Class 55 Rating, Add</i>	684.54	
<i>For Class 56 Rating, Add</i>	909.09	
40 05 19 00-0176 EA 12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,953.59	551.77
<i>For Class 52 Rating, Deduct</i>	-342.93	
<i>For Class 54 Rating, Add</i>	477.67	
<i>For Class 55 Rating, Add</i>	715.28	
<i>For Class 56 Rating, Add</i>	949.78	
40 05 19 00-0177 EA 12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,096.35	555.41
<i>For Class 52 Rating, Deduct</i>	-358.03	
<i>For Class 54 Rating, Add</i>	498.32	
<i>For Class 55 Rating, Add</i>	746.02	
<i>For Class 56 Rating, Add</i>	990.47	
40 05 19 00-0178 EA 12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,239.12	559.03
<i>For Class 52 Rating, Deduct</i>	-373.13	
<i>For Class 54 Rating, Add</i>	518.98	
<i>For Class 55 Rating, Add</i>	776.77	
<i>For Class 56 Rating, Add</i>	1,031.16	
40 05 19 00-0179 EA 12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,381.89	562.66
<i>For Class 52 Rating, Deduct</i>	-388.23	
<i>For Class 54 Rating, Add</i>	539.63	
<i>For Class 55 Rating, Add</i>	807.51	
<i>For Class 56 Rating, Add</i>	1,071.85	
40 05 19 00-0180 EA 12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,524.64	566.30
<i>For Class 52 Rating, Deduct</i>	-403.33	
<i>For Class 54 Rating, Add</i>	560.29	
<i>For Class 55 Rating, Add</i>	838.25	
<i>For Class 56 Rating, Add</i>	1,112.54	
40 05 19 00-0181 EA 12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,667.41	569.93
<i>For Class 52 Rating, Deduct</i>	-418.43	
<i>For Class 54 Rating, Add</i>	580.95	
<i>For Class 55 Rating, Add</i>	868.99	
<i>For Class 56 Rating, Add</i>	1,153.23	
40 05 19 00-0182 EA 12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,810.18	573.55
<i>For Class 52 Rating, Deduct</i>	-433.53	
<i>For Class 54 Rating, Add</i>	601.60	
<i>For Class 55 Rating, Add</i>	899.73	
<i>For Class 56 Rating, Add</i>	1,193.92	
40 05 19 00-0183 EA 12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,952.93	577.19
<i>For Class 52 Rating, Deduct</i>	-448.63	
<i>For Class 54 Rating, Add</i>	622.26	
<i>For Class 55 Rating, Add</i>	930.47	
<i>For Class 56 Rating, Add</i>	1,234.61	
40 05 19 00-0184 EA 12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,095.70	580.82
<i>For Class 52 Rating, Deduct</i>	-463.72	
<i>For Class 54 Rating, Add</i>	642.91	
<i>For Class 55 Rating, Add</i>	961.22	
<i>For Class 56 Rating, Add</i>	1,275.31	
40 05 19 00-0185 EA 12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,238.46	584.44
<i>For Class 52 Rating, Deduct</i>	-478.82	
<i>For Class 54 Rating, Add</i>	663.57	
<i>For Class 55 Rating, Add</i>	991.96	
<i>For Class 56 Rating, Add</i>	1,316.00	
40 05 19 00-0186 EA 12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,381.22	588.07
<i>For Class 52 Rating, Deduct</i>	-493.92	
<i>For Class 54 Rating, Add</i>	684.22	
<i>For Class 55 Rating, Add</i>	1,022.70	
<i>For Class 56 Rating, Add</i>	1,356.69	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0187	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,524.00	591.71
		<i>For Class 52 Rating, Deduct</i>	-509.02	
		<i>For Class 54 Rating, Add</i>	704.88	
		<i>For Class 55 Rating, Add</i>	1,053.44	
		<i>For Class 56 Rating, Add</i>	1,397.38	
40 05 19 00-0188	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,666.75	595.33
		<i>For Class 52 Rating, Deduct</i>	-524.12	
		<i>For Class 54 Rating, Add</i>	725.53	
		<i>For Class 55 Rating, Add</i>	1,084.18	
		<i>For Class 56 Rating, Add</i>	1,438.07	
40 05 19 00-0189	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,809.51	598.96
		<i>For Class 52 Rating, Deduct</i>	-539.22	
		<i>For Class 54 Rating, Add</i>	746.19	
		<i>For Class 55 Rating, Add</i>	1,114.92	
		<i>For Class 56 Rating, Add</i>	1,478.76	
40 05 19 00-0190	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,952.29	602.60
		<i>For Class 52 Rating, Deduct</i>	-554.32	
		<i>For Class 54 Rating, Add</i>	766.85	
		<i>For Class 55 Rating, Add</i>	1,145.67	
		<i>For Class 56 Rating, Add</i>	1,519.45	
40 05 19 00-0191	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,095.04	606.23
		<i>For Class 52 Rating, Deduct</i>	-569.42	
		<i>For Class 54 Rating, Add</i>	787.50	
		<i>For Class 55 Rating, Add</i>	1,176.41	
		<i>For Class 56 Rating, Add</i>	1,560.14	
40 05 19 00-0192	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,237.81	609.85
		<i>For Class 52 Rating, Deduct</i>	-584.52	
		<i>For Class 54 Rating, Add</i>	808.16	
		<i>For Class 55 Rating, Add</i>	1,207.15	
		<i>For Class 56 Rating, Add</i>	1,600.83	
40 05 19 00-0193	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,380.57	613.49
		<i>For Class 52 Rating, Deduct</i>	-599.62	
		<i>For Class 54 Rating, Add</i>	828.81	
		<i>For Class 55 Rating, Add</i>	1,237.89	
		<i>For Class 56 Rating, Add</i>	1,641.52	
40 05 19 00-0194	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,523.33	617.12
		<i>For Class 52 Rating, Deduct</i>	-614.71	
		<i>For Class 54 Rating, Add</i>	849.47	
		<i>For Class 55 Rating, Add</i>	1,268.63	
		<i>For Class 56 Rating, Add</i>	1,682.21	
40 05 19 00-0195	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,666.10	620.74
		<i>For Class 52 Rating, Deduct</i>	-629.81	
		<i>For Class 54 Rating, Add</i>	870.12	
		<i>For Class 55 Rating, Add</i>	1,299.37	
		<i>For Class 56 Rating, Add</i>	1,722.90	
40 05 19 00-0196	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,808.86	624.38
		<i>For Class 52 Rating, Deduct</i>	-644.91	
		<i>For Class 54 Rating, Add</i>	890.78	
		<i>For Class 55 Rating, Add</i>	1,330.12	
		<i>For Class 56 Rating, Add</i>	1,763.59	
40 05 19 00-0197	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,951.63	628.01
		<i>For Class 52 Rating, Deduct</i>	-660.01	
		<i>For Class 54 Rating, Add</i>	911.43	
		<i>For Class 55 Rating, Add</i>	1,360.86	
		<i>For Class 56 Rating, Add</i>	1,804.28	
40 05 19 00-0198	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,094.39	631.63
		<i>For Class 52 Rating, Deduct</i>	-675.11	
		<i>For Class 54 Rating, Add</i>	932.09	
		<i>For Class 55 Rating, Add</i>	1,391.60	
		<i>For Class 56 Rating, Add</i>	1,844.97	
40 05 19 00-0199	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,237.15	635.27
		<i>For Class 52 Rating, Deduct</i>	-690.21	
		<i>For Class 54 Rating, Add</i>	952.74	
		<i>For Class 55 Rating, Add</i>	1,422.34	
		<i>For Class 56 Rating, Add</i>	1,885.67	
40 05 19 00-0200	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,379.92	638.90
		<i>For Class 52 Rating, Deduct</i>	-705.31	
		<i>For Class 54 Rating, Add</i>	973.40	
		<i>For Class 55 Rating, Add</i>	1,453.08	
		<i>For Class 56 Rating, Add</i>	1,926.36	
40 05 19 00-0201	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,522.67	642.53
		<i>For Class 52 Rating, Deduct</i>	-720.41	
		<i>For Class 54 Rating, Add</i>	994.05	
		<i>For Class 55 Rating, Add</i>	1,483.82	
		<i>For Class 56 Rating, Add</i>	1,967.05	
40 05 19 00-0202	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,665.45	646.15
		<i>For Class 52 Rating, Deduct</i>	-735.51	
		<i>For Class 54 Rating, Add</i>	1,014.71	
		<i>For Class 55 Rating, Add</i>	1,514.57	
		<i>For Class 56 Rating, Add</i>	2,007.74	

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,  
Ductile Iron Pipe (40 05 19 00-0002)





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0204 EA 14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,982.98	609.85
<i>For Class 52 Rating, Deduct</i>	-226.48	
<i>For Class 54 Rating, Add</i>	319.93	
<i>For Class 55 Rating, Add</i>	481.32	
<i>For Class 56 Rating, Add</i>	640.66	
40 05 19 00-0205 EA 14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,155.82	613.49
<i>For Class 52 Rating, Deduct</i>	-244.89	
<i>For Class 54 Rating, Add</i>	345.10	
<i>For Class 55 Rating, Add</i>	518.77	
<i>For Class 56 Rating, Add</i>	690.22	
40 05 19 00-0206 EA 14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,328.67	617.12
<i>For Class 52 Rating, Deduct</i>	-263.30	
<i>For Class 54 Rating, Add</i>	370.27	
<i>For Class 55 Rating, Add</i>	556.22	
<i>For Class 56 Rating, Add</i>	739.79	
40 05 19 00-0207 EA 14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,501.53	620.74
<i>For Class 52 Rating, Deduct</i>	-281.71	
<i>For Class 54 Rating, Add</i>	395.44	
<i>For Class 55 Rating, Add</i>	593.68	
<i>For Class 56 Rating, Add</i>	789.35	
40 05 19 00-0208 EA 14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,674.36	624.38
<i>For Class 52 Rating, Deduct</i>	-300.12	
<i>For Class 54 Rating, Add</i>	420.60	
<i>For Class 55 Rating, Add</i>	631.12	
<i>For Class 56 Rating, Add</i>	838.92	
40 05 19 00-0209 EA 14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,847.22	628.01
<i>For Class 52 Rating, Deduct</i>	-318.53	
<i>For Class 54 Rating, Add</i>	445.77	
<i>For Class 55 Rating, Add</i>	668.58	
<i>For Class 56 Rating, Add</i>	888.48	
40 05 19 00-0210 EA 14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,020.07	631.63
<i>For Class 52 Rating, Deduct</i>	-336.93	
<i>For Class 54 Rating, Add</i>	470.94	
<i>For Class 55 Rating, Add</i>	706.03	
<i>For Class 56 Rating, Add</i>	938.05	
40 05 19 00-0211 EA 14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,192.91	635.27
<i>For Class 52 Rating, Deduct</i>	-355.34	
<i>For Class 54 Rating, Add</i>	496.11	
<i>For Class 55 Rating, Add</i>	743.48	
<i>For Class 56 Rating, Add</i>	987.62	
40 05 19 00-0212 EA 14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,365.77	638.90
<i>For Class 52 Rating, Deduct</i>	-373.75	
<i>For Class 54 Rating, Add</i>	521.28	
<i>For Class 55 Rating, Add</i>	780.93	
<i>For Class 56 Rating, Add</i>	1,037.18	
40 05 19 00-0213 EA 14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,538.61	642.53
<i>For Class 52 Rating, Deduct</i>	-392.16	
<i>For Class 54 Rating, Add</i>	546.45	
<i>For Class 55 Rating, Add</i>	818.38	
<i>For Class 56 Rating, Add</i>	1,086.75	
40 05 19 00-0214 EA 14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,711.47	646.15
<i>For Class 52 Rating, Deduct</i>	-410.57	
<i>For Class 54 Rating, Add</i>	571.61	
<i>For Class 55 Rating, Add</i>	855.83	
<i>For Class 56 Rating, Add</i>	1,136.31	
40 05 19 00-0215 EA 14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,884.31	649.79
<i>For Class 52 Rating, Deduct</i>	-428.98	
<i>For Class 54 Rating, Add</i>	596.78	
<i>For Class 55 Rating, Add</i>	893.28	
<i>For Class 56 Rating, Add</i>	1,185.88	
40 05 19 00-0216 EA 14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,057.15	653.42
<i>For Class 52 Rating, Deduct</i>	-447.38	
<i>For Class 54 Rating, Add</i>	621.95	
<i>For Class 55 Rating, Add</i>	930.73	
<i>For Class 56 Rating, Add</i>	1,235.44	
40 05 19 00-0217 EA 14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,230.01	657.04
<i>For Class 52 Rating, Deduct</i>	-465.79	
<i>For Class 54 Rating, Add</i>	647.12	
<i>For Class 55 Rating, Add</i>	968.18	
<i>For Class 56 Rating, Add</i>	1,285.01	
40 05 19 00-0218 EA 14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,402.86	660.88
<i>For Class 52 Rating, Deduct</i>	-484.20	
<i>For Class 54 Rating, Add</i>	672.29	
<i>For Class 55 Rating, Add</i>	1,005.63	
<i>For Class 56 Rating, Add</i>	1,334.58	
40 05 19 00-0219 EA 14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,575.70	664.31
<i>For Class 52 Rating, Deduct</i>	-502.61	
<i>For Class 54 Rating, Add</i>	697.46	
<i>For Class 55 Rating, Add</i>	1,043.08	
<i>For Class 56 Rating, Add</i>	1,384.14	
40 05 19 00-0220 EA 14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,748.56	667.93
<i>For Class 52 Rating, Deduct</i>	-521.02	
<i>For Class 54 Rating, Add</i>	722.62	
<i>For Class 55 Rating, Add</i>	1,080.53	
<i>For Class 56 Rating, Add</i>	1,433.71	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0221	EA		14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,921.39	671.57
			<i>For Class 52 Rating, Deduct</i>	-539.43	
			<i>For Class 54 Rating, Add</i>	747.79	
			<i>For Class 55 Rating, Add</i>	1,117.98	
			<i>For Class 56 Rating, Add</i>	1,483.27	
40 05 19 00-0222	EA		14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,094.25	675.20
			<i>For Class 52 Rating, Deduct</i>	-557.83	
			<i>For Class 54 Rating, Add</i>	772.96	
			<i>For Class 55 Rating, Add</i>	1,155.43	
			<i>For Class 56 Rating, Add</i>	1,532.84	
40 05 19 00-0223	EA		14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,267.10	678.82
			<i>For Class 52 Rating, Deduct</i>	-576.24	
			<i>For Class 54 Rating, Add</i>	798.13	
			<i>For Class 55 Rating, Add</i>	1,192.89	
			<i>For Class 56 Rating, Add</i>	1,582.41	
40 05 19 00-0224	EA		14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,439.94	682.46
			<i>For Class 52 Rating, Deduct</i>	-594.65	
			<i>For Class 54 Rating, Add</i>	823.30	
			<i>For Class 55 Rating, Add</i>	1,230.34	
			<i>For Class 56 Rating, Add</i>	1,631.97	
40 05 19 00-0225	EA		14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,612.80	686.09
			<i>For Class 52 Rating, Deduct</i>	-613.06	
			<i>For Class 54 Rating, Add</i>	848.46	
			<i>For Class 55 Rating, Add</i>	1,267.79	
			<i>For Class 56 Rating, Add</i>	1,681.54	
40 05 19 00-0226	EA		14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,785.64	689.72
			<i>For Class 52 Rating, Deduct</i>	-631.47	
			<i>For Class 54 Rating, Add</i>	873.63	
			<i>For Class 55 Rating, Add</i>	1,305.24	
			<i>For Class 56 Rating, Add</i>	1,731.10	
40 05 19 00-0227	EA		14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,958.50	693.35
			<i>For Class 52 Rating, Deduct</i>	-649.88	
			<i>For Class 54 Rating, Add</i>	898.80	
			<i>For Class 55 Rating, Add</i>	1,342.69	
			<i>For Class 56 Rating, Add</i>	1,780.67	
40 05 19 00-0228	EA		14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,131.34	696.98
			<i>For Class 52 Rating, Deduct</i>	-668.28	
			<i>For Class 54 Rating, Add</i>	923.97	
			<i>For Class 55 Rating, Add</i>	1,380.14	
			<i>For Class 56 Rating, Add</i>	1,830.23	
40 05 19 00-0229	EA		14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,304.18	700.61
			<i>For Class 52 Rating, Deduct</i>	-686.69	
			<i>For Class 54 Rating, Add</i>	949.14	
			<i>For Class 55 Rating, Add</i>	1,417.59	
			<i>For Class 56 Rating, Add</i>	1,879.80	
40 05 19 00-0230	EA		14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,477.04	704.23
			<i>For Class 52 Rating, Deduct</i>	-705.10	
			<i>For Class 54 Rating, Add</i>	974.31	
			<i>For Class 55 Rating, Add</i>	1,455.04	
			<i>For Class 56 Rating, Add</i>	1,929.37	
40 05 19 00-0231	EA		14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,649.89	707.87
			<i>For Class 52 Rating, Deduct</i>	-723.51	
			<i>For Class 54 Rating, Add</i>	999.47	
			<i>For Class 55 Rating, Add</i>	1,492.49	
			<i>For Class 56 Rating, Add</i>	1,978.93	
40 05 19 00-0232	EA		14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,822.74	711.50
			<i>For Class 52 Rating, Deduct</i>	-741.92	
			<i>For Class 54 Rating, Add</i>	1,024.64	
			<i>For Class 55 Rating, Add</i>	1,529.94	
			<i>For Class 56 Rating, Add</i>	2,028.50	
40 05 19 00-0233	EA		14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,995.59	715.12
			<i>For Class 52 Rating, Deduct</i>	-760.33	
			<i>For Class 54 Rating, Add</i>	1,049.81	
			<i>For Class 55 Rating, Add</i>	1,567.39	
			<i>For Class 56 Rating, Add</i>	2,078.06	
40 05 19 00-0234	EA		14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,168.42	718.76
			<i>For Class 52 Rating, Deduct</i>	-778.73	
			<i>For Class 54 Rating, Add</i>	1,074.98	
			<i>For Class 55 Rating, Add</i>	1,604.84	
			<i>For Class 56 Rating, Add</i>	2,127.63	
40 05 19 00-0235	EA		14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,341.28	722.39
			<i>For Class 52 Rating, Deduct</i>	-797.14	
			<i>For Class 54 Rating, Add</i>	1,100.15	
			<i>For Class 55 Rating, Add</i>	1,642.29	
			<i>For Class 56 Rating, Add</i>	2,177.19	
40 05 19 00-0236	EA		14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,514.13	726.02
			<i>For Class 52 Rating, Deduct</i>	-815.55	
			<i>For Class 54 Rating, Add</i>	1,125.32	
			<i>For Class 55 Rating, Add</i>	1,679.75	
			<i>For Class 56 Rating, Add</i>	2,226.76	
40 05 19 00-0237	EA		14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,686.98	729.65
			<i>For Class 52 Rating, Deduct</i>	-833.96	
			<i>For Class 54 Rating, Add</i>	1,150.48	
			<i>For Class 55 Rating, Add</i>	1,717.20	
			<i>For Class 56 Rating, Add</i>	2,276.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0238 EA 14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,859.83	733.28
<i>For Class 52 Rating, Deduct</i>	-852.37	
<i>For Class 54 Rating, Add</i>	1,175.65	
<i>For Class 55 Rating, Add</i>	1,754.65	
<i>For Class 56 Rating, Add</i>	2,325.89	
40 05 19 00-0239 EA 14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,032.68	736.91
<i>For Class 52 Rating, Deduct</i>	-870.78	
<i>For Class 54 Rating, Add</i>	1,200.82	
<i>For Class 55 Rating, Add</i>	1,792.10	
<i>For Class 56 Rating, Add</i>	2,375.46	
40 05 19 00-0240 EA 14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,205.53	740.54
<i>For Class 52 Rating, Deduct</i>	-889.19	
<i>For Class 54 Rating, Add</i>	1,225.99	
<i>For Class 55 Rating, Add</i>	1,829.55	
<i>For Class 56 Rating, Add</i>	2,425.03	
40 05 19 00-0241 EA 14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,378.37	744.17
<i>For Class 52 Rating, Deduct</i>	-907.59	
<i>For Class 54 Rating, Add</i>	1,251.16	
<i>For Class 55 Rating, Add</i>	1,867.00	
<i>For Class 56 Rating, Add</i>	2,474.59	
<b>40 05 19 00-0242 16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0243 EA 16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,496.69	696.98
<i>For Class 52 Rating, Deduct</i>	-268.47	
<i>For Class 54 Rating, Add</i>	378.77	
<i>For Class 55 Rating, Add</i>	569.61	
<i>For Class 56 Rating, Add</i>	758.01	
40 05 19 00-0244 EA 16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,697.73	700.61
<i>For Class 52 Rating, Deduct</i>	-289.98	
<i>For Class 54 Rating, Add</i>	408.17	
<i>For Class 55 Rating, Add</i>	613.35	
<i>For Class 56 Rating, Add</i>	815.90	
40 05 19 00-0245 EA 16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,898.79	704.23
<i>For Class 52 Rating, Deduct</i>	-311.49	
<i>For Class 54 Rating, Add</i>	437.57	
<i>For Class 55 Rating, Add</i>	657.09	
<i>For Class 56 Rating, Add</i>	873.78	
40 05 19 00-0246 EA 16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,099.85	707.87
<i>For Class 52 Rating, Deduct</i>	-333.01	
<i>For Class 54 Rating, Add</i>	466.97	
<i>For Class 55 Rating, Add</i>	700.83	
<i>For Class 56 Rating, Add</i>	931.67	
40 05 19 00-0247 EA 16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,300.90	711.50
<i>For Class 52 Rating, Deduct</i>	-354.52	
<i>For Class 54 Rating, Add</i>	496.37	
<i>For Class 55 Rating, Add</i>	744.57	
<i>For Class 56 Rating, Add</i>	989.56	
40 05 19 00-0248 EA 16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,501.95	715.12
<i>For Class 52 Rating, Deduct</i>	-376.03	
<i>For Class 54 Rating, Add</i>	525.77	
<i>For Class 55 Rating, Add</i>	788.31	
<i>For Class 56 Rating, Add</i>	1,047.44	
40 05 19 00-0249 EA 16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,703.00	718.76
<i>For Class 52 Rating, Deduct</i>	-397.54	
<i>For Class 54 Rating, Add</i>	555.17	
<i>For Class 55 Rating, Add</i>	832.05	
<i>For Class 56 Rating, Add</i>	1,105.33	
40 05 19 00-0250 EA 16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,904.06	722.39
<i>For Class 52 Rating, Deduct</i>	-419.05	
<i>For Class 54 Rating, Add</i>	584.56	
<i>For Class 55 Rating, Add</i>	875.79	
<i>For Class 56 Rating, Add</i>	1,163.21	
40 05 19 00-0251 EA 16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,105.11	726.02
<i>For Class 52 Rating, Deduct</i>	-440.56	
<i>For Class 54 Rating, Add</i>	613.96	
<i>For Class 55 Rating, Add</i>	919.53	
<i>For Class 56 Rating, Add</i>	1,221.10	
40 05 19 00-0252 EA 16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,306.16	729.65
<i>For Class 52 Rating, Deduct</i>	-462.07	
<i>For Class 54 Rating, Add</i>	643.36	
<i>For Class 55 Rating, Add</i>	963.27	
<i>For Class 56 Rating, Add</i>	1,278.98	
40 05 19 00-0253 EA 16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,507.22	733.28
<i>For Class 52 Rating, Deduct</i>	-483.58	
<i>For Class 54 Rating, Add</i>	672.76	
<i>For Class 55 Rating, Add</i>	1,007.02	
<i>For Class 56 Rating, Add</i>	1,336.87	
40 05 19 00-0254 EA 16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,708.27	736.91
<i>For Class 52 Rating, Deduct</i>	-505.09	
<i>For Class 54 Rating, Add</i>	702.16	
<i>For Class 55 Rating, Add</i>	1,050.75	
<i>For Class 56 Rating, Add</i>	1,394.76	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0255	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,909.32	740.54
		<i>For Class 52 Rating, Deduct</i>	-526.60	
		<i>For Class 54 Rating, Add</i>	731.56	
		<i>For Class 55 Rating, Add</i>	1,094.49	
		<i>For Class 56 Rating, Add</i>	1,452.64	
40 05 19 00-0256	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,110.38	744.17
		<i>For Class 52 Rating, Deduct</i>	-548.11	
		<i>For Class 54 Rating, Add</i>	760.96	
		<i>For Class 55 Rating, Add</i>	1,138.24	
		<i>For Class 56 Rating, Add</i>	1,510.53	
40 05 19 00-0257	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,311.42	747.80
		<i>For Class 52 Rating, Deduct</i>	-569.62	
		<i>For Class 54 Rating, Add</i>	790.36	
		<i>For Class 55 Rating, Add</i>	1,181.98	
		<i>For Class 56 Rating, Add</i>	1,568.42	
40 05 19 00-0258	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,512.48	751.43
		<i>For Class 52 Rating, Deduct</i>	-591.13	
		<i>For Class 54 Rating, Add</i>	819.75	
		<i>For Class 55 Rating, Add</i>	1,225.72	
		<i>For Class 56 Rating, Add</i>	1,626.30	
40 05 19 00-0259	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,713.54	755.06
		<i>For Class 52 Rating, Deduct</i>	-612.65	
		<i>For Class 54 Rating, Add</i>	849.15	
		<i>For Class 55 Rating, Add</i>	1,269.46	
		<i>For Class 56 Rating, Add</i>	1,684.19	
40 05 19 00-0260	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,914.59	758.69
		<i>For Class 52 Rating, Deduct</i>	-634.16	
		<i>For Class 54 Rating, Add</i>	878.55	
		<i>For Class 55 Rating, Add</i>	1,313.20	
		<i>For Class 56 Rating, Add</i>	1,742.08	
40 05 19 00-0261	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,115.64	762.32
		<i>For Class 52 Rating, Deduct</i>	-655.67	
		<i>For Class 54 Rating, Add</i>	907.95	
		<i>For Class 55 Rating, Add</i>	1,356.94	
		<i>For Class 56 Rating, Add</i>	1,799.96	
40 05 19 00-0262	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,316.70	765.95
		<i>For Class 52 Rating, Deduct</i>	-677.18	
		<i>For Class 54 Rating, Add</i>	937.35	
		<i>For Class 55 Rating, Add</i>	1,400.68	
		<i>For Class 56 Rating, Add</i>	1,857.85	
40 05 19 00-0263	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,517.75	769.58
		<i>For Class 52 Rating, Deduct</i>	-698.69	
		<i>For Class 54 Rating, Add</i>	966.75	
		<i>For Class 55 Rating, Add</i>	1,444.42	
		<i>For Class 56 Rating, Add</i>	1,915.73	
40 05 19 00-0264	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,718.80	773.21
		<i>For Class 52 Rating, Deduct</i>	-720.20	
		<i>For Class 54 Rating, Add</i>	996.15	
		<i>For Class 55 Rating, Add</i>	1,488.16	
		<i>For Class 56 Rating, Add</i>	1,973.62	
40 05 19 00-0265	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,919.86	776.84
		<i>For Class 52 Rating, Deduct</i>	-741.71	
		<i>For Class 54 Rating, Add</i>	1,025.55	
		<i>For Class 55 Rating, Add</i>	1,531.90	
		<i>For Class 56 Rating, Add</i>	2,031.51	
40 05 19 00-0266	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,120.91	780.47
		<i>For Class 52 Rating, Deduct</i>	-763.22	
		<i>For Class 54 Rating, Add</i>	1,054.95	
		<i>For Class 55 Rating, Add</i>	1,575.64	
		<i>For Class 56 Rating, Add</i>	2,089.39	
40 05 19 00-0267	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,321.96	784.10
		<i>For Class 52 Rating, Deduct</i>	-784.73	
		<i>For Class 54 Rating, Add</i>	1,084.35	
		<i>For Class 55 Rating, Add</i>	1,619.38	
		<i>For Class 56 Rating, Add</i>	2,147.28	
40 05 19 00-0268	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,523.02	787.73
		<i>For Class 52 Rating, Deduct</i>	-806.24	
		<i>For Class 54 Rating, Add</i>	1,113.75	
		<i>For Class 55 Rating, Add</i>	1,663.12	
		<i>For Class 56 Rating, Add</i>	2,205.17	
40 05 19 00-0269	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,724.07	791.36
		<i>For Class 52 Rating, Deduct</i>	-827.75	
		<i>For Class 54 Rating, Add</i>	1,143.14	
		<i>For Class 55 Rating, Add</i>	1,706.86	
		<i>For Class 56 Rating, Add</i>	2,263.05	
40 05 19 00-0270	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,925.13	794.99
		<i>For Class 52 Rating, Deduct</i>	-849.26	
		<i>For Class 54 Rating, Add</i>	1,172.54	
		<i>For Class 55 Rating, Add</i>	1,750.60	
		<i>For Class 56 Rating, Add</i>	2,320.94	
40 05 19 00-0271	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,126.18	798.63
		<i>For Class 52 Rating, Deduct</i>	-870.78	
		<i>For Class 54 Rating, Add</i>	1,201.94	
		<i>For Class 55 Rating, Add</i>	1,794.34	
		<i>For Class 56 Rating, Add</i>	2,378.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0272 EA 16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,327.23	802.25
<i>For Class 52 Rating, Deduct</i>	-892.29	
<i>For Class 54 Rating, Add</i>	1,231.34	
<i>For Class 55 Rating, Add</i>	1,838.08	
<i>For Class 56 Rating, Add</i>	2,436.71	
40 05 19 00-0273 EA 16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,528.28	805.88
<i>For Class 52 Rating, Deduct</i>	-913.80	
<i>For Class 54 Rating, Add</i>	1,260.74	
<i>For Class 55 Rating, Add</i>	1,881.82	
<i>For Class 56 Rating, Add</i>	2,494.60	
40 05 19 00-0274 EA 16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,729.34	809.51
<i>For Class 52 Rating, Deduct</i>	-935.31	
<i>For Class 54 Rating, Add</i>	1,290.14	
<i>For Class 55 Rating, Add</i>	1,925.56	
<i>For Class 56 Rating, Add</i>	2,552.48	
40 05 19 00-0275 EA 16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,930.40	813.14
<i>For Class 52 Rating, Deduct</i>	-956.82	
<i>For Class 54 Rating, Add</i>	1,319.54	
<i>For Class 55 Rating, Add</i>	1,969.30	
<i>For Class 56 Rating, Add</i>	2,610.37	
40 05 19 00-0276 EA 16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,131.44	816.77
<i>For Class 52 Rating, Deduct</i>	-978.33	
<i>For Class 54 Rating, Add</i>	1,348.94	
<i>For Class 55 Rating, Add</i>	2,013.04	
<i>For Class 56 Rating, Add</i>	2,668.25	
40 05 19 00-0277 EA 16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,332.50	820.40
<i>For Class 52 Rating, Deduct</i>	-999.84	
<i>For Class 54 Rating, Add</i>	1,378.34	
<i>For Class 55 Rating, Add</i>	2,056.78	
<i>For Class 56 Rating, Add</i>	2,726.14	
40 05 19 00-0278 EA 16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,533.56	824.03
<i>For Class 52 Rating, Deduct</i>	-1,021.35	
<i>For Class 54 Rating, Add</i>	1,407.74	
<i>For Class 55 Rating, Add</i>	2,100.52	
<i>For Class 56 Rating, Add</i>	2,784.03	
40 05 19 00-0279 EA 16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,734.60	827.66
<i>For Class 52 Rating, Deduct</i>	-1,042.86	
<i>For Class 54 Rating, Add</i>	1,437.13	
<i>For Class 55 Rating, Add</i>	2,144.26	
<i>For Class 56 Rating, Add</i>	2,841.91	
40 05 19 00-0280 EA 16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,935.66	831.29
<i>For Class 52 Rating, Deduct</i>	-1,064.37	
<i>For Class 54 Rating, Add</i>	1,466.53	
<i>For Class 55 Rating, Add</i>	2,188.01	
<i>For Class 56 Rating, Add</i>	2,899.80	
<b>40 05 19 00-0281 18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0282 EA 18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,067.12	785.56
<i>For Class 52 Rating, Deduct</i>	-316.46	
<i>For Class 54 Rating, Add</i>	445.82	
<i>For Class 55 Rating, Add</i>	670.11	
<i>For Class 56 Rating, Add</i>	891.53	
40 05 19 00-0283 EA 18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,298.27	789.18
<i>For Class 52 Rating, Deduct</i>	-341.28	
<i>For Class 54 Rating, Add</i>	479.73	
<i>For Class 55 Rating, Add</i>	720.56	
<i>For Class 56 Rating, Add</i>	958.29	
40 05 19 00-0284 EA 18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,529.40	792.81
<i>For Class 52 Rating, Deduct</i>	-366.10	
<i>For Class 54 Rating, Add</i>	513.64	
<i>For Class 55 Rating, Add</i>	771.01	
<i>For Class 56 Rating, Add</i>	1,025.05	
40 05 19 00-0285 EA 18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,760.53	796.45
<i>For Class 52 Rating, Deduct</i>	-390.92	
<i>For Class 54 Rating, Add</i>	547.55	
<i>For Class 55 Rating, Add</i>	821.46	
<i>For Class 56 Rating, Add</i>	1,091.81	
40 05 19 00-0286 EA 18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,991.67	800.07
<i>For Class 52 Rating, Deduct</i>	-415.74	
<i>For Class 54 Rating, Add</i>	581.46	
<i>For Class 55 Rating, Add</i>	871.91	
<i>For Class 56 Rating, Add</i>	1,158.58	
40 05 19 00-0287 EA 18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,222.81	803.70
<i>For Class 52 Rating, Deduct</i>	-440.56	
<i>For Class 54 Rating, Add</i>	615.37	
<i>For Class 55 Rating, Add</i>	922.36	
<i>For Class 56 Rating, Add</i>	1,225.34	
40 05 19 00-0288 EA 18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,453.95	807.34
<i>For Class 52 Rating, Deduct</i>	-465.38	
<i>For Class 54 Rating, Add</i>	649.29	
<i>For Class 55 Rating, Add</i>	972.81	
<i>For Class 56 Rating, Add</i>	1,292.10	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0289	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,685.09	810.96
		<i>For Class 52 Rating, Deduct</i>	-490.20	
		<i>For Class 54 Rating, Add</i>	683.20	
		<i>For Class 55 Rating, Add</i>	1,023.26	
		<i>For Class 56 Rating, Add</i>	1,358.86	
40 05 19 00-0290	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,916.23	814.59
		<i>For Class 52 Rating, Deduct</i>	-515.02	
		<i>For Class 54 Rating, Add</i>	717.11	
		<i>For Class 55 Rating, Add</i>	1,073.71	
		<i>For Class 56 Rating, Add</i>	1,425.62	
40 05 19 00-0291	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,147.38	818.22
		<i>For Class 52 Rating, Deduct</i>	-539.84	
		<i>For Class 54 Rating, Add</i>	751.02	
		<i>For Class 55 Rating, Add</i>	1,124.16	
		<i>For Class 56 Rating, Add</i>	1,492.38	
40 05 19 00-0292	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,378.50	821.86
		<i>For Class 52 Rating, Deduct</i>	-564.66	
		<i>For Class 54 Rating, Add</i>	784.93	
		<i>For Class 55 Rating, Add</i>	1,174.60	
		<i>For Class 56 Rating, Add</i>	1,559.14	
40 05 19 00-0293	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,609.64	825.48
		<i>For Class 52 Rating, Deduct</i>	-589.48	
		<i>For Class 54 Rating, Add</i>	818.85	
		<i>For Class 55 Rating, Add</i>	1,225.05	
		<i>For Class 56 Rating, Add</i>	1,625.90	
40 05 19 00-0294	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,840.78	829.11
		<i>For Class 52 Rating, Deduct</i>	-614.30	
		<i>For Class 54 Rating, Add</i>	852.76	
		<i>For Class 55 Rating, Add</i>	1,275.50	
		<i>For Class 56 Rating, Add</i>	1,692.67	
40 05 19 00-0295	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,071.92	832.75
		<i>For Class 52 Rating, Deduct</i>	-639.12	
		<i>For Class 54 Rating, Add</i>	886.67	
		<i>For Class 55 Rating, Add</i>	1,325.95	
		<i>For Class 56 Rating, Add</i>	1,759.43	
40 05 19 00-0296	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,303.07	836.37
		<i>For Class 52 Rating, Deduct</i>	-663.94	
		<i>For Class 54 Rating, Add</i>	920.58	
		<i>For Class 55 Rating, Add</i>	1,376.40	
		<i>For Class 56 Rating, Add</i>	1,826.19	
40 05 19 00-0297	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,534.20	840.00
		<i>For Class 52 Rating, Deduct</i>	-688.76	
		<i>For Class 54 Rating, Add</i>	954.49	
		<i>For Class 55 Rating, Add</i>	1,426.85	
		<i>For Class 56 Rating, Add</i>	1,892.95	
40 05 19 00-0298	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,765.33	843.64
		<i>For Class 52 Rating, Deduct</i>	-713.58	
		<i>For Class 54 Rating, Add</i>	988.40	
		<i>For Class 55 Rating, Add</i>	1,477.30	
		<i>For Class 56 Rating, Add</i>	1,959.71	
40 05 19 00-0299	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,996.48	847.26
		<i>For Class 52 Rating, Deduct</i>	-738.40	
		<i>For Class 54 Rating, Add</i>	1,022.32	
		<i>For Class 55 Rating, Add</i>	1,527.75	
		<i>For Class 56 Rating, Add</i>	2,026.47	
40 05 19 00-0300	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,227.61	850.89
		<i>For Class 52 Rating, Deduct</i>	-763.22	
		<i>For Class 54 Rating, Add</i>	1,056.23	
		<i>For Class 55 Rating, Add</i>	1,578.20	
		<i>For Class 56 Rating, Add</i>	2,093.23	
40 05 19 00-0301	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,458.76	854.53
		<i>For Class 52 Rating, Deduct</i>	-788.04	
		<i>For Class 54 Rating, Add</i>	1,090.14	
		<i>For Class 55 Rating, Add</i>	1,628.65	
		<i>For Class 56 Rating, Add</i>	2,160.00	
40 05 19 00-0302	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,689.89	858.16
		<i>For Class 52 Rating, Deduct</i>	-812.86	
		<i>For Class 54 Rating, Add</i>	1,124.05	
		<i>For Class 55 Rating, Add</i>	1,679.10	
		<i>For Class 56 Rating, Add</i>	2,226.76	
40 05 19 00-0303	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,921.03	861.78
		<i>For Class 52 Rating, Deduct</i>	-837.68	
		<i>For Class 54 Rating, Add</i>	1,157.96	
		<i>For Class 55 Rating, Add</i>	1,729.55	
		<i>For Class 56 Rating, Add</i>	2,293.52	
40 05 19 00-0304	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,152.17	865.41
		<i>For Class 52 Rating, Deduct</i>	-862.50	
		<i>For Class 54 Rating, Add</i>	1,191.87	
		<i>For Class 55 Rating, Add</i>	1,780.00	
		<i>For Class 56 Rating, Add</i>	2,360.28	
40 05 19 00-0305	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,383.30	869.05
		<i>For Class 52 Rating, Deduct</i>	-887.32	
		<i>For Class 54 Rating, Add</i>	1,225.79	
		<i>For Class 55 Rating, Add</i>	1,830.45	
		<i>For Class 56 Rating, Add</i>	2,427.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0306 EA 18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,614.45	872.67
<i>For Class 52 Rating, Deduct</i>	-912.14	
<i>For Class 54 Rating, Add</i>	1,259.70	
<i>For Class 55 Rating, Add</i>	1,880.90	
<i>For Class 56 Rating, Add</i>	2,493.80	
40 05 19 00-0307 EA 18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,845.59	876.30
<i>For Class 52 Rating, Deduct</i>	-936.96	
<i>For Class 54 Rating, Add</i>	1,293.61	
<i>For Class 55 Rating, Add</i>	1,931.35	
<i>For Class 56 Rating, Add</i>	2,560.56	
40 05 19 00-0308 EA 18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,076.72	879.94
<i>For Class 52 Rating, Deduct</i>	-961.78	
<i>For Class 54 Rating, Add</i>	1,327.52	
<i>For Class 55 Rating, Add</i>	1,981.80	
<i>For Class 56 Rating, Add</i>	2,627.33	
40 05 19 00-0309 EA 18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,307.87	883.56
<i>For Class 52 Rating, Deduct</i>	-986.60	
<i>For Class 54 Rating, Add</i>	1,361.43	
<i>For Class 55 Rating, Add</i>	2,032.25	
<i>For Class 56 Rating, Add</i>	2,694.09	
40 05 19 00-0310 EA 18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,538.99	887.19
<i>For Class 52 Rating, Deduct</i>	-1,011.42	
<i>For Class 54 Rating, Add</i>	1,395.34	
<i>For Class 55 Rating, Add</i>	2,082.69	
<i>For Class 56 Rating, Add</i>	2,760.85	
40 05 19 00-0311 EA 18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,770.13	890.83
<i>For Class 52 Rating, Deduct</i>	-1,036.24	
<i>For Class 54 Rating, Add</i>	1,429.26	
<i>For Class 55 Rating, Add</i>	2,133.14	
<i>For Class 56 Rating, Add</i>	2,827.61	
40 05 19 00-0312 EA 18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,001.28	894.46
<i>For Class 52 Rating, Deduct</i>	-1,061.06	
<i>For Class 54 Rating, Add</i>	1,463.17	
<i>For Class 55 Rating, Add</i>	2,183.59	
<i>For Class 56 Rating, Add</i>	2,894.37	
40 05 19 00-0313 EA 18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,232.41	898.08
<i>For Class 52 Rating, Deduct</i>	-1,085.88	
<i>For Class 54 Rating, Add</i>	1,497.08	
<i>For Class 55 Rating, Add</i>	2,234.04	
<i>For Class 56 Rating, Add</i>	2,961.13	
40 05 19 00-0314 EA 18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,463.56	901.72
<i>For Class 52 Rating, Deduct</i>	-1,110.71	
<i>For Class 54 Rating, Add</i>	1,530.99	
<i>For Class 55 Rating, Add</i>	2,284.49	
<i>For Class 56 Rating, Add</i>	3,027.89	
40 05 19 00-0315 EA 18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,694.70	905.35
<i>For Class 52 Rating, Deduct</i>	-1,135.53	
<i>For Class 54 Rating, Add</i>	1,564.90	
<i>For Class 55 Rating, Add</i>	2,334.94	
<i>For Class 56 Rating, Add</i>	3,094.66	
40 05 19 00-0316 EA 18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,925.83	908.97
<i>For Class 52 Rating, Deduct</i>	-1,160.35	
<i>For Class 54 Rating, Add</i>	1,598.82	
<i>For Class 55 Rating, Add</i>	2,385.39	
<i>For Class 56 Rating, Add</i>	3,161.42	
40 05 19 00-0317 EA 18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,156.97	912.61
<i>For Class 52 Rating, Deduct</i>	-1,185.17	
<i>For Class 54 Rating, Add</i>	1,632.73	
<i>For Class 55 Rating, Add</i>	2,435.84	
<i>For Class 56 Rating, Add</i>	3,228.18	
40 05 19 00-0318 EA 18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,388.10	916.24
<i>For Class 52 Rating, Deduct</i>	-1,209.99	
<i>For Class 54 Rating, Add</i>	1,666.64	
<i>For Class 55 Rating, Add</i>	2,486.29	
<i>For Class 56 Rating, Add</i>	3,294.94	
40 05 19 00-0319 EA 18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,619.25	919.86
<i>For Class 52 Rating, Deduct</i>	-1,234.81	
<i>For Class 54 Rating, Add</i>	1,700.55	
<i>For Class 55 Rating, Add</i>	2,536.74	
<i>For Class 56 Rating, Add</i>	3,361.70	
<b>40 05 19 00-0320 20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0321 EA 20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,760.03	896.63
<i>For Class 52 Rating, Deduct</i>	-374.17	
<i>For Class 54 Rating, Add</i>	526.53	
<i>For Class 55 Rating, Add</i>	791.14	
<i>For Class 56 Rating, Add</i>	1,052.35	
40 05 19 00-0322 EA 20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,025.02	900.26
<i>For Class 52 Rating, Deduct</i>	-402.71	
<i>For Class 54 Rating, Add</i>	565.52	
<i>For Class 55 Rating, Add</i>	849.14	
<i>For Class 56 Rating, Add</i>	1,129.09	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0323	EA		20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,290.00	903.90
			<i>For Class 52 Rating, Deduct</i>	-431.25	
			<i>For Class 54 Rating, Add</i>	604.50	
			<i>For Class 55 Rating, Add</i>	907.13	
			<i>For Class 56 Rating, Add</i>	1,205.84	
40 05 19 00-0324	EA		20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,554.99	907.52
			<i>For Class 52 Rating, Deduct</i>	-459.79	
			<i>For Class 54 Rating, Add</i>	643.49	
			<i>For Class 55 Rating, Add</i>	965.13	
			<i>For Class 56 Rating, Add</i>	1,282.59	
40 05 19 00-0325	EA		20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,819.98	911.15
			<i>For Class 52 Rating, Deduct</i>	-488.34	
			<i>For Class 54 Rating, Add</i>	682.48	
			<i>For Class 55 Rating, Add</i>	1,023.13	
			<i>For Class 56 Rating, Add</i>	1,359.33	
40 05 19 00-0326	EA		20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,084.95	914.79
			<i>For Class 52 Rating, Deduct</i>	-516.88	
			<i>For Class 54 Rating, Add</i>	721.47	
			<i>For Class 55 Rating, Add</i>	1,081.12	
			<i>For Class 56 Rating, Add</i>	1,436.08	
40 05 19 00-0327	EA		20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,349.94	918.42
			<i>For Class 52 Rating, Deduct</i>	-545.42	
			<i>For Class 54 Rating, Add</i>	760.46	
			<i>For Class 55 Rating, Add</i>	1,139.12	
			<i>For Class 56 Rating, Add</i>	1,512.82	
40 05 19 00-0328	EA		20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,614.92	922.04
			<i>For Class 52 Rating, Deduct</i>	-573.97	
			<i>For Class 54 Rating, Add</i>	799.45	
			<i>For Class 55 Rating, Add</i>	1,197.12	
			<i>For Class 56 Rating, Add</i>	1,589.57	
40 05 19 00-0329	EA		20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,879.91	925.67
			<i>For Class 52 Rating, Deduct</i>	-602.51	
			<i>For Class 54 Rating, Add</i>	838.44	
			<i>For Class 55 Rating, Add</i>	1,255.11	
			<i>For Class 56 Rating, Add</i>	1,666.32	
40 05 19 00-0330	EA		20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,144.90	929.31
			<i>For Class 52 Rating, Deduct</i>	-631.05	
			<i>For Class 54 Rating, Add</i>	877.43	
			<i>For Class 55 Rating, Add</i>	1,313.11	
			<i>For Class 56 Rating, Add</i>	1,743.06	
40 05 19 00-0331	EA		20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,409.87	932.93
			<i>For Class 52 Rating, Deduct</i>	-659.60	
			<i>For Class 54 Rating, Add</i>	916.41	
			<i>For Class 55 Rating, Add</i>	1,371.11	
			<i>For Class 56 Rating, Add</i>	1,819.81	
40 05 19 00-0332	EA		20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,674.86	936.56
			<i>For Class 52 Rating, Deduct</i>	-688.14	
			<i>For Class 54 Rating, Add</i>	955.40	
			<i>For Class 55 Rating, Add</i>	1,429.10	
			<i>For Class 56 Rating, Add</i>	1,896.55	
40 05 19 00-0333	EA		20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,939.85	940.20
			<i>For Class 52 Rating, Deduct</i>	-716.68	
			<i>For Class 54 Rating, Add</i>	994.39	
			<i>For Class 55 Rating, Add</i>	1,487.10	
			<i>For Class 56 Rating, Add</i>	1,973.30	
40 05 19 00-0334	EA		20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,204.83	943.82
			<i>For Class 52 Rating, Deduct</i>	-745.23	
			<i>For Class 54 Rating, Add</i>	1,033.38	
			<i>For Class 55 Rating, Add</i>	1,545.10	
			<i>For Class 56 Rating, Add</i>	2,050.04	
40 05 19 00-0335	EA		20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,469.82	947.45
			<i>For Class 52 Rating, Deduct</i>	-773.77	
			<i>For Class 54 Rating, Add</i>	1,072.37	
			<i>For Class 55 Rating, Add</i>	1,603.10	
			<i>For Class 56 Rating, Add</i>	2,126.79	
40 05 19 00-0336	EA		20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,734.79	951.09
			<i>For Class 52 Rating, Deduct</i>	-802.31	
			<i>For Class 54 Rating, Add</i>	1,111.36	
			<i>For Class 55 Rating, Add</i>	1,661.09	
			<i>For Class 56 Rating, Add</i>	2,203.54	
40 05 19 00-0337	EA		20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,999.79	954.72
			<i>For Class 52 Rating, Deduct</i>	-830.86	
			<i>For Class 54 Rating, Add</i>	1,150.35	
			<i>For Class 55 Rating, Add</i>	1,719.09	
			<i>For Class 56 Rating, Add</i>	2,280.28	
40 05 19 00-0338	EA		20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,264.77	958.34
			<i>For Class 52 Rating, Deduct</i>	-859.40	
			<i>For Class 54 Rating, Add</i>	1,189.33	
			<i>For Class 55 Rating, Add</i>	1,777.09	
			<i>For Class 56 Rating, Add</i>	2,357.03	
40 05 19 00-0339	EA		20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,529.75	961.98
			<i>For Class 52 Rating, Deduct</i>	-887.94	
			<i>For Class 54 Rating, Add</i>	1,228.32	
			<i>For Class 55 Rating, Add</i>	1,835.08	
			<i>For Class 56 Rating, Add</i>	2,433.77	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0340 EA 20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,794.74	965.61
<i>For Class 52 Rating, Deduct</i>	-916.49	
<i>For Class 54 Rating, Add</i>	1,267.31	
<i>For Class 55 Rating, Add</i>	1,893.08	
<i>For Class 56 Rating, Add</i>	2,510.52	
40 05 19 00-0341 EA 20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,059.72	969.23
<i>For Class 52 Rating, Deduct</i>	-945.03	
<i>For Class 54 Rating, Add</i>	1,306.30	
<i>For Class 55 Rating, Add</i>	1,951.08	
<i>For Class 56 Rating, Add</i>	2,587.27	
40 05 19 00-0342 EA 20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,324.71	972.87
<i>For Class 52 Rating, Deduct</i>	-973.57	
<i>For Class 54 Rating, Add</i>	1,345.29	
<i>For Class 55 Rating, Add</i>	2,009.08	
<i>For Class 56 Rating, Add</i>	2,664.01	
40 05 19 00-0343 EA 20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,589.69	976.50
<i>For Class 52 Rating, Deduct</i>	-1,002.12	
<i>For Class 54 Rating, Add</i>	1,384.28	
<i>For Class 55 Rating, Add</i>	2,067.07	
<i>For Class 56 Rating, Add</i>	2,740.76	
40 05 19 00-0344 EA 20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,854.66	980.12
<i>For Class 52 Rating, Deduct</i>	-1,030.66	
<i>For Class 54 Rating, Add</i>	1,423.26	
<i>For Class 55 Rating, Add</i>	2,125.07	
<i>For Class 56 Rating, Add</i>	2,817.50	
40 05 19 00-0345 EA 20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,119.66	983.75
<i>For Class 52 Rating, Deduct</i>	-1,059.20	
<i>For Class 54 Rating, Add</i>	1,462.25	
<i>For Class 55 Rating, Add</i>	2,183.07	
<i>For Class 56 Rating, Add</i>	2,894.25	
40 05 19 00-0346 EA 20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,384.64	987.39
<i>For Class 52 Rating, Deduct</i>	-1,087.75	
<i>For Class 54 Rating, Add</i>	1,501.24	
<i>For Class 55 Rating, Add</i>	2,241.06	
<i>For Class 56 Rating, Add</i>	2,970.99	
40 05 19 00-0347 EA 20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,649.63	991.02
<i>For Class 52 Rating, Deduct</i>	-1,116.29	
<i>For Class 54 Rating, Add</i>	1,540.23	
<i>For Class 55 Rating, Add</i>	2,299.06	
<i>For Class 56 Rating, Add</i>	3,047.74	
40 05 19 00-0348 EA 20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,914.61	994.64
<i>For Class 52 Rating, Deduct</i>	-1,144.83	
<i>For Class 54 Rating, Add</i>	1,579.22	
<i>For Class 55 Rating, Add</i>	2,357.06	
<i>For Class 56 Rating, Add</i>	3,124.49	
40 05 19 00-0349 EA 20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,179.60	998.28
<i>For Class 52 Rating, Deduct</i>	-1,173.38	
<i>For Class 54 Rating, Add</i>	1,618.21	
<i>For Class 55 Rating, Add</i>	2,415.06	
<i>For Class 56 Rating, Add</i>	3,201.23	
40 05 19 00-0350 EA 20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,444.58	1,001.91
<i>For Class 52 Rating, Deduct</i>	-1,201.92	
<i>For Class 54 Rating, Add</i>	1,657.20	
<i>For Class 55 Rating, Add</i>	2,473.05	
<i>For Class 56 Rating, Add</i>	3,277.98	
40 05 19 00-0351 EA 20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,709.56	1,005.53
<i>For Class 52 Rating, Deduct</i>	-1,230.46	
<i>For Class 54 Rating, Add</i>	1,696.19	
<i>For Class 55 Rating, Add</i>	2,531.05	
<i>For Class 56 Rating, Add</i>	3,354.72	
40 05 19 00-0352 EA 20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,974.55	1,009.17
<i>For Class 52 Rating, Deduct</i>	-1,259.01	
<i>For Class 54 Rating, Add</i>	1,735.17	
<i>For Class 55 Rating, Add</i>	2,589.05	
<i>For Class 56 Rating, Add</i>	3,431.47	
40 05 19 00-0353 EA 20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,239.53	1,012.80
<i>For Class 52 Rating, Deduct</i>	-1,287.55	
<i>For Class 54 Rating, Add</i>	1,774.16	
<i>For Class 55 Rating, Add</i>	2,647.04	
<i>For Class 56 Rating, Add</i>	3,508.22	
40 05 19 00-0354 EA 20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,504.52	1,016.42
<i>For Class 52 Rating, Deduct</i>	-1,316.09	
<i>For Class 54 Rating, Add</i>	1,813.15	
<i>For Class 55 Rating, Add</i>	2,705.04	
<i>For Class 56 Rating, Add</i>	3,584.96	
40 05 19 00-0355 EA 20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,769.50	1,020.06
<i>For Class 52 Rating, Deduct</i>	-1,344.64	
<i>For Class 54 Rating, Add</i>	1,852.14	
<i>For Class 55 Rating, Add</i>	2,763.04	
<i>For Class 56 Rating, Add</i>	3,661.71	
40 05 19 00-0356 EA 20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,034.48	1,023.69
<i>For Class 52 Rating, Deduct</i>	-1,373.18	
<i>For Class 54 Rating, Add</i>	1,891.13	
<i>For Class 55 Rating, Add</i>	2,821.03	
<i>For Class 56 Rating, Add</i>	3,738.45	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0357 EA 20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,299.48	1,027.31
For Class 52 Rating, Deduct	-1,401.72	
For Class 54 Rating, Add	1,930.12	
For Class 55 Rating, Add	2,879.03	
For Class 56 Rating, Add	3,815.20	
40 05 19 00-0358 EA 20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,564.45	1,030.94
For Class 52 Rating, Deduct	-1,430.27	
For Class 54 Rating, Add	1,969.11	
For Class 55 Rating, Add	2,937.03	
For Class 56 Rating, Add	3,891.94	
<b>40 05 19 00-0359 24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)</b>		
40 05 19 00-0360 EA 24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,851.80	1,059.99
For Class 52 Rating, Deduct	-467.03	
For Class 54 Rating, Add	656.14	
For Class 55 Rating, Add	985.35	
For Class 56 Rating, Add	1,310.32	
40 05 19 00-0361 EA 24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,178.84	1,063.61
For Class 52 Rating, Deduct	-502.40	
For Class 54 Rating, Add	704.43	
For Class 55 Rating, Add	1,057.18	
For Class 56 Rating, Add	1,405.37	
40 05 19 00-0362 EA 24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,505.87	1,067.25
For Class 52 Rating, Deduct	-537.77	
For Class 54 Rating, Add	752.73	
For Class 55 Rating, Add	1,129.02	
For Class 56 Rating, Add	1,500.42	
40 05 19 00-0363 EA 24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,832.91	1,070.88
For Class 52 Rating, Deduct	-573.14	
For Class 54 Rating, Add	801.03	
For Class 55 Rating, Add	1,200.85	
For Class 56 Rating, Add	1,595.47	
40 05 19 00-0364 EA 24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,159.95	1,074.51
For Class 52 Rating, Deduct	-608.51	
For Class 54 Rating, Add	849.32	
For Class 55 Rating, Add	1,272.69	
For Class 56 Rating, Add	1,690.52	
40 05 19 00-0365 EA 24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,486.98	1,078.14
For Class 52 Rating, Deduct	-643.88	
For Class 54 Rating, Add	897.62	
For Class 55 Rating, Add	1,344.52	
For Class 56 Rating, Add	1,785.57	
40 05 19 00-0366 EA 24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,814.01	1,081.77
For Class 52 Rating, Deduct	-679.25	
For Class 54 Rating, Add	945.91	
For Class 55 Rating, Add	1,416.36	
For Class 56 Rating, Add	1,880.62	
40 05 19 00-0367 EA 24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,141.05	1,085.40
For Class 52 Rating, Deduct	-714.62	
For Class 54 Rating, Add	994.21	
For Class 55 Rating, Add	1,488.19	
For Class 56 Rating, Add	1,975.67	
40 05 19 00-0368 EA 24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,468.08	1,089.02
For Class 52 Rating, Deduct	-749.98	
For Class 54 Rating, Add	1,042.51	
For Class 55 Rating, Add	1,560.02	
For Class 56 Rating, Add	2,070.72	
40 05 19 00-0369 EA 24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,795.13	1,092.66
For Class 52 Rating, Deduct	-785.35	
For Class 54 Rating, Add	1,090.80	
For Class 55 Rating, Add	1,631.86	
For Class 56 Rating, Add	2,165.78	
40 05 19 00-0370 EA 24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,122.15	1,096.29
For Class 52 Rating, Deduct	-820.72	
For Class 54 Rating, Add	1,139.10	
For Class 55 Rating, Add	1,703.69	
For Class 56 Rating, Add	2,260.82	
40 05 19 00-0371 EA 24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,449.18	1,099.91
For Class 52 Rating, Deduct	-856.09	
For Class 54 Rating, Add	1,187.39	
For Class 55 Rating, Add	1,775.53	
For Class 56 Rating, Add	2,355.87	
40 05 19 00-0372 EA 24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,776.23	1,103.55
For Class 52 Rating, Deduct	-891.46	
For Class 54 Rating, Add	1,235.69	
For Class 55 Rating, Add	1,847.36	
For Class 56 Rating, Add	2,450.93	
40 05 19 00-0373 EA 24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,103.25	1,107.18
For Class 52 Rating, Deduct	-926.83	
For Class 54 Rating, Add	1,283.99	
For Class 55 Rating, Add	1,919.19	
For Class 56 Rating, Add	2,545.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0374 EA 24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,430.30	1,110.81
<i>For Class 52 Rating, Deduct</i>	-962.20	
<i>For Class 54 Rating, Add</i>	1,332.28	
<i>For Class 55 Rating, Add</i>	1,991.03	
<i>For Class 56 Rating, Add</i>	2,641.03	
40 05 19 00-0375 EA 24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,757.32	1,114.44
<i>For Class 52 Rating, Deduct</i>	-997.57	
<i>For Class 54 Rating, Add</i>	1,380.58	
<i>For Class 55 Rating, Add</i>	2,062.86	
<i>For Class 56 Rating, Add</i>	2,736.08	
40 05 19 00-0376 EA 24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,084.36	1,118.07
<i>For Class 52 Rating, Deduct</i>	-1,032.94	
<i>For Class 54 Rating, Add</i>	1,428.88	
<i>For Class 55 Rating, Add</i>	2,134.70	
<i>For Class 56 Rating, Add</i>	2,831.13	
40 05 19 00-0377 EA 24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,411.40	1,121.70
<i>For Class 52 Rating, Deduct</i>	-1,068.30	
<i>For Class 54 Rating, Add</i>	1,477.17	
<i>For Class 55 Rating, Add</i>	2,206.53	
<i>For Class 56 Rating, Add</i>	2,926.18	
40 05 19 00-0378 EA 24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,738.43	1,125.33
<i>For Class 52 Rating, Deduct</i>	-1,103.67	
<i>For Class 54 Rating, Add</i>	1,525.47	
<i>For Class 55 Rating, Add</i>	2,278.37	
<i>For Class 56 Rating, Add</i>	3,021.23	
40 05 19 00-0379 EA 24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,065.46	1,128.96
<i>For Class 52 Rating, Deduct</i>	-1,139.04	
<i>For Class 54 Rating, Add</i>	1,573.76	
<i>For Class 55 Rating, Add</i>	2,350.20	
<i>For Class 56 Rating, Add</i>	3,116.28	
40 05 19 00-0380 EA 24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,392.51	1,132.59
<i>For Class 52 Rating, Deduct</i>	-1,174.41	
<i>For Class 54 Rating, Add</i>	1,622.06	
<i>For Class 55 Rating, Add</i>	2,422.04	
<i>For Class 56 Rating, Add</i>	3,211.33	
40 05 19 00-0381 EA 24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,719.53	1,136.22
<i>For Class 52 Rating, Deduct</i>	-1,209.78	
<i>For Class 54 Rating, Add</i>	1,670.36	
<i>For Class 55 Rating, Add</i>	2,493.87	
<i>For Class 56 Rating, Add</i>	3,306.38	
40 05 19 00-0382 EA 24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,046.58	1,139.85
<i>For Class 52 Rating, Deduct</i>	-1,245.15	
<i>For Class 54 Rating, Add</i>	1,718.65	
<i>For Class 55 Rating, Add</i>	2,565.70	
<i>For Class 56 Rating, Add</i>	3,401.44	
40 05 19 00-0383 EA 24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,373.60	1,143.48
<i>For Class 52 Rating, Deduct</i>	-1,280.52	
<i>For Class 54 Rating, Add</i>	1,766.95	
<i>For Class 55 Rating, Add</i>	2,637.54	
<i>For Class 56 Rating, Add</i>	3,496.48	
40 05 19 00-0384 EA 24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,700.64	1,147.11
<i>For Class 52 Rating, Deduct</i>	-1,315.89	
<i>For Class 54 Rating, Add</i>	1,815.25	
<i>For Class 55 Rating, Add</i>	2,709.37	
<i>For Class 56 Rating, Add</i>	3,591.54	
40 05 19 00-0385 EA 24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,027.68	1,150.74
<i>For Class 52 Rating, Deduct</i>	-1,351.25	
<i>For Class 54 Rating, Add</i>	1,863.54	
<i>For Class 55 Rating, Add</i>	2,781.21	
<i>For Class 56 Rating, Add</i>	3,686.59	
40 05 19 00-0386 EA 24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,354.71	1,154.37
<i>For Class 52 Rating, Deduct</i>	-1,386.62	
<i>For Class 54 Rating, Add</i>	1,911.84	
<i>For Class 55 Rating, Add</i>	2,853.04	
<i>For Class 56 Rating, Add</i>	3,781.64	
40 05 19 00-0387 EA 24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,681.75	1,158.00
<i>For Class 52 Rating, Deduct</i>	-1,421.99	
<i>For Class 54 Rating, Add</i>	1,960.13	
<i>For Class 55 Rating, Add</i>	2,924.87	
<i>For Class 56 Rating, Add</i>	3,876.69	
40 05 19 00-0388 EA 24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,008.78	1,161.63
<i>For Class 52 Rating, Deduct</i>	-1,457.36	
<i>For Class 54 Rating, Add</i>	2,008.43	
<i>For Class 55 Rating, Add</i>	2,996.71	
<i>For Class 56 Rating, Add</i>	3,971.74	
40 05 19 00-0389 EA 24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,429.32	1,226.97
<i>For Class 52 Rating, Deduct</i>	-1,492.73	
<i>For Class 54 Rating, Add</i>	2,057.85	
<i>For Class 55 Rating, Add</i>	3,070.79	
<i>For Class 56 Rating, Add</i>	4,070.16	
40 05 19 00-0390 EA 24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,756.34	1,230.61
<i>For Class 52 Rating, Deduct</i>	-1,528.10	
<i>For Class 54 Rating, Add</i>	2,106.14	
<i>For Class 55 Rating, Add</i>	3,142.62	
<i>For Class 56 Rating, Add</i>	4,165.20	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0391	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,083.39	1,234.23
		<i>For Class 52 Rating, Deduct</i>	-1,563.47	
		<i>For Class 54 Rating, Add</i>	2,154.44	
		<i>For Class 55 Rating, Add</i>	3,214.46	
		<i>For Class 56 Rating, Add</i>	4,260.26	
40 05 19 00-0392	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,410.42	1,237.86
		<i>For Class 52 Rating, Deduct</i>	-1,598.84	
		<i>For Class 54 Rating, Add</i>	2,202.74	
		<i>For Class 55 Rating, Add</i>	3,286.29	
		<i>For Class 56 Rating, Add</i>	4,355.31	
40 05 19 00-0393	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,737.46	1,241.50
		<i>For Class 52 Rating, Deduct</i>	-1,634.21	
		<i>For Class 54 Rating, Add</i>	2,251.03	
		<i>For Class 55 Rating, Add</i>	3,358.12	
		<i>For Class 56 Rating, Add</i>	4,450.36	
40 05 19 00-0394	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,064.49	1,245.12
		<i>For Class 52 Rating, Deduct</i>	-1,669.57	
		<i>For Class 54 Rating, Add</i>	2,299.33	
		<i>For Class 55 Rating, Add</i>	3,429.96	
		<i>For Class 56 Rating, Add</i>	4,545.41	
40 05 19 00-0395	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,391.53	1,248.75
		<i>For Class 52 Rating, Deduct</i>	-1,704.94	
		<i>For Class 54 Rating, Add</i>	2,347.63	
		<i>For Class 55 Rating, Add</i>	3,501.79	
		<i>For Class 56 Rating, Add</i>	4,640.46	
40 05 19 00-0396	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,718.56	1,252.39
		<i>For Class 52 Rating, Deduct</i>	-1,740.31	
		<i>For Class 54 Rating, Add</i>	2,395.92	
		<i>For Class 55 Rating, Add</i>	3,573.63	
		<i>For Class 56 Rating, Add</i>	4,735.51	
40 05 19 00-0397	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,045.60	1,256.01
		<i>For Class 52 Rating, Deduct</i>	-1,775.68	
		<i>For Class 54 Rating, Add</i>	2,444.22	
		<i>For Class 55 Rating, Add</i>	3,645.46	
		<i>For Class 56 Rating, Add</i>	4,830.56	
<b>40 05 19 00-0398</b>		<b>30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small></b>		
40 05 19 00-0399	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,016.41	1,495.60
		<i>For Class 52 Rating, Deduct</i>	-742.54	
		<i>For Class 54 Rating, Add</i>	1,039.75	
		<i>For Class 55 Rating, Add</i>	1,559.71	
		<i>For Class 56 Rating, Add</i>	2,072.93	
40 05 19 00-0400	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,486.35	1,499.23
		<i>For Class 52 Rating, Deduct</i>	-793.63	
		<i>For Class 54 Rating, Add</i>	1,109.48	
		<i>For Class 55 Rating, Add</i>	1,663.42	
		<i>For Class 56 Rating, Add</i>	2,210.14	
40 05 19 00-0401	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,956.29	1,502.86
		<i>For Class 52 Rating, Deduct</i>	-844.72	
		<i>For Class 54 Rating, Add</i>	1,179.21	
		<i>For Class 55 Rating, Add</i>	1,767.12	
		<i>For Class 56 Rating, Add</i>	2,347.35	
40 05 19 00-0402	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,426.23	1,506.49
		<i>For Class 52 Rating, Deduct</i>	-895.80	
		<i>For Class 54 Rating, Add</i>	1,248.94	
		<i>For Class 55 Rating, Add</i>	1,870.82	
		<i>For Class 56 Rating, Add</i>	2,484.55	
40 05 19 00-0403	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,896.15	1,510.12
		<i>For Class 52 Rating, Deduct</i>	-946.89	
		<i>For Class 54 Rating, Add</i>	1,318.67	
		<i>For Class 55 Rating, Add</i>	1,974.52	
		<i>For Class 56 Rating, Add</i>	2,621.76	
40 05 19 00-0404	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,366.10	1,513.75
		<i>For Class 52 Rating, Deduct</i>	-997.98	
		<i>For Class 54 Rating, Add</i>	1,388.40	
		<i>For Class 55 Rating, Add</i>	2,078.22	
		<i>For Class 56 Rating, Add</i>	2,758.97	
40 05 19 00-0405	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,836.04	1,517.38
		<i>For Class 52 Rating, Deduct</i>	-1,049.07	
		<i>For Class 54 Rating, Add</i>	1,458.14	
		<i>For Class 55 Rating, Add</i>	2,181.92	
		<i>For Class 56 Rating, Add</i>	2,896.18	
40 05 19 00-0406	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,305.98	1,521.01
		<i>For Class 52 Rating, Deduct</i>	-1,100.16	
		<i>For Class 54 Rating, Add</i>	1,527.87	
		<i>For Class 55 Rating, Add</i>	2,285.63	
		<i>For Class 56 Rating, Add</i>	3,033.38	
40 05 19 00-0407	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,775.92	1,524.64
		<i>For Class 52 Rating, Deduct</i>	-1,151.24	
		<i>For Class 54 Rating, Add</i>	1,597.60	
		<i>For Class 55 Rating, Add</i>	2,389.33	
		<i>For Class 56 Rating, Add</i>	3,170.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0408 EA 30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,245.86	1,528.27
<i>For Class 52 Rating, Deduct</i>	-1,202.33	
<i>For Class 54 Rating, Add</i>	1,667.33	
<i>For Class 55 Rating, Add</i>	2,493.03	
<i>For Class 56 Rating, Add</i>	3,307.80	
40 05 19 00-0409 EA 30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,715.80	1,531.90
<i>For Class 52 Rating, Deduct</i>	-1,253.42	
<i>For Class 54 Rating, Add</i>	1,737.06	
<i>For Class 55 Rating, Add</i>	2,596.73	
<i>For Class 56 Rating, Add</i>	3,445.01	
40 05 19 00-0410 EA 30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,185.74	1,535.53
<i>For Class 52 Rating, Deduct</i>	-1,304.51	
<i>For Class 54 Rating, Add</i>	1,806.80	
<i>For Class 55 Rating, Add</i>	2,700.43	
<i>For Class 56 Rating, Add</i>	3,582.21	
40 05 19 00-0411 EA 30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,655.68	1,539.16
<i>For Class 52 Rating, Deduct</i>	-1,355.60	
<i>For Class 54 Rating, Add</i>	1,876.53	
<i>For Class 55 Rating, Add</i>	2,804.14	
<i>For Class 56 Rating, Add</i>	3,719.42	
40 05 19 00-0412 EA 30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,125.62	1,542.79
<i>For Class 52 Rating, Deduct</i>	-1,406.69	
<i>For Class 54 Rating, Add</i>	1,946.26	
<i>For Class 55 Rating, Add</i>	2,907.84	
<i>For Class 56 Rating, Add</i>	3,856.63	
40 05 19 00-0413 EA 30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,595.56	1,546.42
<i>For Class 52 Rating, Deduct</i>	-1,457.78	
<i>For Class 54 Rating, Add</i>	2,015.99	
<i>For Class 55 Rating, Add</i>	3,011.54	
<i>For Class 56 Rating, Add</i>	3,993.84	
40 05 19 00-0414 EA 30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,065.49	1,550.05
<i>For Class 52 Rating, Deduct</i>	-1,508.86	
<i>For Class 54 Rating, Add</i>	2,085.72	
<i>For Class 55 Rating, Add</i>	3,115.24	
<i>For Class 56 Rating, Add</i>	4,131.04	
40 05 19 00-0415 EA 30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,535.43	1,553.68
<i>For Class 52 Rating, Deduct</i>	-1,559.95	
<i>For Class 54 Rating, Add</i>	2,155.45	
<i>For Class 55 Rating, Add</i>	3,218.94	
<i>For Class 56 Rating, Add</i>	4,268.25	
40 05 19 00-0416 EA 30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,005.38	1,557.31
<i>For Class 52 Rating, Deduct</i>	-1,611.04	
<i>For Class 54 Rating, Add</i>	2,225.19	
<i>For Class 55 Rating, Add</i>	3,322.65	
<i>For Class 56 Rating, Add</i>	4,405.46	
40 05 19 00-0417 EA 30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,475.31	1,560.94
<i>For Class 52 Rating, Deduct</i>	-1,662.13	
<i>For Class 54 Rating, Add</i>	2,294.92	
<i>For Class 55 Rating, Add</i>	3,426.35	
<i>For Class 56 Rating, Add</i>	4,542.67	
40 05 19 00-0418 EA 30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,945.25	1,564.57
<i>For Class 52 Rating, Deduct</i>	-1,713.22	
<i>For Class 54 Rating, Add</i>	2,364.65	
<i>For Class 55 Rating, Add</i>	3,530.05	
<i>For Class 56 Rating, Add</i>	4,679.87	
40 05 19 00-0419 EA 30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,415.19	1,568.20
<i>For Class 52 Rating, Deduct</i>	-1,764.30	
<i>For Class 54 Rating, Add</i>	2,434.38	
<i>For Class 55 Rating, Add</i>	3,633.75	
<i>For Class 56 Rating, Add</i>	4,817.08	
40 05 19 00-0420 EA 30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,885.13	1,571.83
<i>For Class 52 Rating, Deduct</i>	-1,815.39	
<i>For Class 54 Rating, Add</i>	2,504.11	
<i>For Class 55 Rating, Add</i>	3,737.45	
<i>For Class 56 Rating, Add</i>	4,954.29	
40 05 19 00-0421 EA 30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,355.08	1,575.46
<i>For Class 52 Rating, Deduct</i>	-1,866.48	
<i>For Class 54 Rating, Add</i>	2,573.85	
<i>For Class 55 Rating, Add</i>	3,841.16	
<i>For Class 56 Rating, Add</i>	5,091.50	
40 05 19 00-0422 EA 30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,825.01	1,579.10
<i>For Class 52 Rating, Deduct</i>	-1,917.57	
<i>For Class 54 Rating, Add</i>	2,643.58	
<i>For Class 55 Rating, Add</i>	3,944.86	
<i>For Class 56 Rating, Add</i>	5,228.70	
40 05 19 00-0423 EA 30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,293.07	1,582.72
<i>For Class 52 Rating, Deduct</i>	-1,968.45	
<i>For Class 54 Rating, Add</i>	2,713.03	
<i>For Class 55 Rating, Add</i>	4,048.14	
<i>For Class 56 Rating, Add</i>	5,365.36	
40 05 19 00-0424 EA 30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,764.89	1,586.35
<i>For Class 52 Rating, Deduct</i>	-2,019.75	
<i>For Class 54 Rating, Add</i>	2,783.04	
<i>For Class 55 Rating, Add</i>	4,152.26	
<i>For Class 56 Rating, Add</i>	5,503.12	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0425	EA		30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,234.82	1,589.98
			<i>For Class 52 Rating, Deduct</i>	-2,070.83	
			<i>For Class 54 Rating, Add</i>	2,852.77	
			<i>For Class 55 Rating, Add</i>	4,255.96	
			<i>For Class 56 Rating, Add</i>	5,640.33	
40 05 19 00-0426	EA		30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,704.76	1,593.61
			<i>For Class 52 Rating, Deduct</i>	-2,121.92	
			<i>For Class 54 Rating, Add</i>	2,922.50	
			<i>For Class 55 Rating, Add</i>	4,359.66	
			<i>For Class 56 Rating, Add</i>	5,777.53	
40 05 19 00-0427	EA		30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,174.70	1,597.24
			<i>For Class 52 Rating, Deduct</i>	-2,173.01	
			<i>For Class 54 Rating, Add</i>	2,992.24	
			<i>For Class 55 Rating, Add</i>	4,463.37	
			<i>For Class 56 Rating, Add</i>	5,914.74	
40 05 19 00-0428	EA		30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,644.64	1,600.87
			<i>For Class 52 Rating, Deduct</i>	-2,224.10	
			<i>For Class 54 Rating, Add</i>	3,061.97	
			<i>For Class 55 Rating, Add</i>	4,567.07	
			<i>For Class 56 Rating, Add</i>	6,051.95	
40 05 19 00-0429	EA		30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,114.59	1,604.50
			<i>For Class 52 Rating, Deduct</i>	-2,275.19	
			<i>For Class 54 Rating, Add</i>	3,131.70	
			<i>For Class 55 Rating, Add</i>	4,670.77	
			<i>For Class 56 Rating, Add</i>	6,189.16	
40 05 19 00-0430	EA		30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,584.52	1,608.13
			<i>For Class 52 Rating, Deduct</i>	-2,326.28	
			<i>For Class 54 Rating, Add</i>	3,201.43	
			<i>For Class 55 Rating, Add</i>	4,774.47	
			<i>For Class 56 Rating, Add</i>	6,326.36	
40 05 19 00-0431	EA		30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,054.46	1,611.76
			<i>For Class 52 Rating, Deduct</i>	-2,377.36	
			<i>For Class 54 Rating, Add</i>	3,271.16	
			<i>For Class 55 Rating, Add</i>	4,878.17	
			<i>For Class 56 Rating, Add</i>	6,463.57	
40 05 19 00-0432	EA		30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,524.41	1,615.40
			<i>For Class 52 Rating, Deduct</i>	-2,428.45	
			<i>For Class 54 Rating, Add</i>	3,340.90	
			<i>For Class 55 Rating, Add</i>	4,981.88	
			<i>For Class 56 Rating, Add</i>	6,600.78	
40 05 19 00-0433	EA		30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,994.34	1,619.02
			<i>For Class 52 Rating, Deduct</i>	-2,479.54	
			<i>For Class 54 Rating, Add</i>	3,410.63	
			<i>For Class 55 Rating, Add</i>	5,085.58	
			<i>For Class 56 Rating, Add</i>	6,737.99	
40 05 19 00-0434	EA		30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,464.29	1,622.65
			<i>For Class 52 Rating, Deduct</i>	-2,530.63	
			<i>For Class 54 Rating, Add</i>	3,480.36	
			<i>For Class 55 Rating, Add</i>	5,189.28	
			<i>For Class 56 Rating, Add</i>	6,875.20	
40 05 19 00-0435	EA		30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,934.21	1,626.29
			<i>For Class 52 Rating, Deduct</i>	-2,581.72	
			<i>For Class 54 Rating, Add</i>	3,550.09	
			<i>For Class 55 Rating, Add</i>	5,292.98	
			<i>For Class 56 Rating, Add</i>	7,012.40	
40 05 19 00-0436	EA		30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,404.15	1,629.91
			<i>For Class 52 Rating, Deduct</i>	-2,632.80	
			<i>For Class 54 Rating, Add</i>	3,619.82	
			<i>For Class 55 Rating, Add</i>	5,396.68	
			<i>For Class 56 Rating, Add</i>	7,149.61	
<b>40 05 19 00-0437</b>			<b>36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small></b>		
40 05 19 00-0438	EA		36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,530.28	1,894.91
			<i>For Class 52 Rating, Deduct</i>	-1,062.51	
			<i>For Class 54 Rating, Add</i>	1,483.33	
			<i>For Class 55 Rating, Add</i>	2,222.91	
			<i>For Class 56 Rating, Add</i>	2,952.82	
40 05 19 00-0439	EA		36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,167.56	1,898.54
			<i>For Class 52 Rating, Deduct</i>	-1,132.01	
			<i>For Class 54 Rating, Add</i>	1,578.17	
			<i>For Class 55 Rating, Add</i>	2,363.93	
			<i>For Class 56 Rating, Add</i>	3,139.40	
40 05 19 00-0440	EA		36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,804.86	1,902.17
			<i>For Class 52 Rating, Deduct</i>	-1,201.51	
			<i>For Class 54 Rating, Add</i>	1,673.00	
			<i>For Class 55 Rating, Add</i>	2,504.95	
			<i>For Class 56 Rating, Add</i>	3,325.97	
40 05 19 00-0441	EA		36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,442.14	1,905.80
			<i>For Class 52 Rating, Deduct</i>	-1,271.00	
			<i>For Class 54 Rating, Add</i>	1,767.84	
			<i>For Class 55 Rating, Add</i>	2,645.97	
			<i>For Class 56 Rating, Add</i>	3,512.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0442 EA 36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,079.42	1,909.43
<i>For Class 52 Rating, Deduct</i>	-1,340.50	
<i>For Class 54 Rating, Add</i>	1,862.67	
<i>For Class 55 Rating, Add</i>	2,786.99	
<i>For Class 56 Rating, Add</i>	3,699.12	
40 05 19 00-0443 EA 36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,716.72	1,913.06
<i>For Class 52 Rating, Deduct</i>	-1,410.00	
<i>For Class 54 Rating, Add</i>	1,957.50	
<i>For Class 55 Rating, Add</i>	2,928.01	
<i>For Class 56 Rating, Add</i>	3,885.70	
40 05 19 00-0444 EA 36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,354.00	1,916.69
<i>For Class 52 Rating, Deduct</i>	-1,479.49	
<i>For Class 54 Rating, Add</i>	2,052.34	
<i>For Class 55 Rating, Add</i>	3,069.03	
<i>For Class 56 Rating, Add</i>	4,072.28	
40 05 19 00-0445 EA 36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,991.30	1,920.32
<i>For Class 52 Rating, Deduct</i>	-1,548.99	
<i>For Class 54 Rating, Add</i>	2,147.17	
<i>For Class 55 Rating, Add</i>	3,210.05	
<i>For Class 56 Rating, Add</i>	4,258.85	
40 05 19 00-0446 EA 36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,628.58	1,923.95
<i>For Class 52 Rating, Deduct</i>	-1,618.49	
<i>For Class 54 Rating, Add</i>	2,242.01	
<i>For Class 55 Rating, Add</i>	3,351.07	
<i>For Class 56 Rating, Add</i>	4,445.43	
40 05 19 00-0447 EA 36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,265.86	1,927.58
<i>For Class 52 Rating, Deduct</i>	-1,687.98	
<i>For Class 54 Rating, Add</i>	2,336.84	
<i>For Class 55 Rating, Add</i>	3,492.09	
<i>For Class 56 Rating, Add</i>	4,632.00	
40 05 19 00-0448 EA 36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,903.16	1,931.21
<i>For Class 52 Rating, Deduct</i>	-1,757.48	
<i>For Class 54 Rating, Add</i>	2,431.67	
<i>For Class 55 Rating, Add</i>	3,633.11	
<i>For Class 56 Rating, Add</i>	4,818.58	
40 05 19 00-0449 EA 36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,540.44	1,934.84
<i>For Class 52 Rating, Deduct</i>	-1,826.98	
<i>For Class 54 Rating, Add</i>	2,526.51	
<i>For Class 55 Rating, Add</i>	3,774.14	
<i>For Class 56 Rating, Add</i>	5,005.15	
40 05 19 00-0450 EA 36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,177.73	1,938.47
<i>For Class 52 Rating, Deduct</i>	-1,896.47	
<i>For Class 54 Rating, Add</i>	2,621.34	
<i>For Class 55 Rating, Add</i>	3,915.15	
<i>For Class 56 Rating, Add</i>	5,191.73	
40 05 19 00-0451 EA 36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,815.02	1,942.10
<i>For Class 52 Rating, Deduct</i>	-1,965.97	
<i>For Class 54 Rating, Add</i>	2,716.18	
<i>For Class 55 Rating, Add</i>	4,056.18	
<i>For Class 56 Rating, Add</i>	5,378.30	
40 05 19 00-0452 EA 36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,452.30	1,945.73
<i>For Class 52 Rating, Deduct</i>	-2,035.47	
<i>For Class 54 Rating, Add</i>	2,811.01	
<i>For Class 55 Rating, Add</i>	4,197.20	
<i>For Class 56 Rating, Add</i>	5,564.88	
40 05 19 00-0453 EA 36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,089.60	1,949.36
<i>For Class 52 Rating, Deduct</i>	-2,104.96	
<i>For Class 54 Rating, Add</i>	2,905.85	
<i>For Class 55 Rating, Add</i>	4,338.22	
<i>For Class 56 Rating, Add</i>	5,751.45	
40 05 19 00-0454 EA 36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,726.88	1,952.99
<i>For Class 52 Rating, Deduct</i>	-2,174.46	
<i>For Class 54 Rating, Add</i>	3,000.68	
<i>For Class 55 Rating, Add</i>	4,479.24	
<i>For Class 56 Rating, Add</i>	5,938.03	
40 05 19 00-0455 EA 36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,364.17	1,956.62
<i>For Class 52 Rating, Deduct</i>	-2,243.95	
<i>For Class 54 Rating, Add</i>	3,095.51	
<i>For Class 55 Rating, Add</i>	4,620.26	
<i>For Class 56 Rating, Add</i>	6,124.60	
40 05 19 00-0456 EA 36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,001.46	1,960.25
<i>For Class 52 Rating, Deduct</i>	-2,313.45	
<i>For Class 54 Rating, Add</i>	3,190.35	
<i>For Class 55 Rating, Add</i>	4,761.28	
<i>For Class 56 Rating, Add</i>	6,311.18	
40 05 19 00-0457 EA 36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,638.74	1,963.89
<i>For Class 52 Rating, Deduct</i>	-2,382.95	
<i>For Class 54 Rating, Add</i>	3,285.18	
<i>For Class 55 Rating, Add</i>	4,902.30	
<i>For Class 56 Rating, Add</i>	6,497.76	
40 05 19 00-0458 EA 36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,276.03	1,967.51
<i>For Class 52 Rating, Deduct</i>	-2,452.44	
<i>For Class 54 Rating, Add</i>	3,380.02	
<i>For Class 55 Rating, Add</i>	5,043.32	
<i>For Class 56 Rating, Add</i>	6,684.33	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0459	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,913.32	1,971.14
		<i>For Class 52 Rating, Deduct</i>	-2,521.94	
		<i>For Class 54 Rating, Add</i>	3,474.85	
		<i>For Class 55 Rating, Add</i>	5,184.34	
		<i>For Class 56 Rating, Add</i>	6,870.91	
40 05 19 00-0460	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,550.60	1,974.78
		<i>For Class 52 Rating, Deduct</i>	-2,591.44	
		<i>For Class 54 Rating, Add</i>	3,569.68	
		<i>For Class 55 Rating, Add</i>	5,325.36	
		<i>For Class 56 Rating, Add</i>	7,057.48	
40 05 19 00-0461	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,187.90	1,978.40
		<i>For Class 52 Rating, Deduct</i>	-2,660.94	
		<i>For Class 54 Rating, Add</i>	3,664.52	
		<i>For Class 55 Rating, Add</i>	5,466.38	
		<i>For Class 56 Rating, Add</i>	7,244.06	
40 05 19 00-0462	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,825.18	1,982.03
		<i>For Class 52 Rating, Deduct</i>	-2,730.43	
		<i>For Class 54 Rating, Add</i>	3,759.35	
		<i>For Class 55 Rating, Add</i>	5,607.40	
		<i>For Class 56 Rating, Add</i>	7,430.63	
40 05 19 00-0463	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	28,462.47	1,985.66
		<i>For Class 52 Rating, Deduct</i>	-2,799.93	
		<i>For Class 54 Rating, Add</i>	3,854.19	
		<i>For Class 55 Rating, Add</i>	5,748.42	
		<i>For Class 56 Rating, Add</i>	7,617.21	
40 05 19 00-0464	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	29,099.76	1,989.29
		<i>For Class 52 Rating, Deduct</i>	-2,869.42	
		<i>For Class 54 Rating, Add</i>	3,949.02	
		<i>For Class 55 Rating, Add</i>	5,889.44	
		<i>For Class 56 Rating, Add</i>	7,803.78	
40 05 19 00-0465	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	29,737.04	1,992.92
		<i>For Class 52 Rating, Deduct</i>	-2,938.92	
		<i>For Class 54 Rating, Add</i>	4,043.86	
		<i>For Class 55 Rating, Add</i>	6,030.47	
		<i>For Class 56 Rating, Add</i>	7,990.36	
40 05 19 00-0466	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	30,374.33	1,996.55
		<i>For Class 52 Rating, Deduct</i>	-3,008.42	
		<i>For Class 54 Rating, Add</i>	4,138.69	
		<i>For Class 55 Rating, Add</i>	6,171.48	
		<i>For Class 56 Rating, Add</i>	8,176.93	
40 05 19 00-0467	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	31,011.62	2,000.18
		<i>For Class 52 Rating, Deduct</i>	-3,077.91	
		<i>For Class 54 Rating, Add</i>	4,233.52	
		<i>For Class 55 Rating, Add</i>	6,312.51	
		<i>For Class 56 Rating, Add</i>	8,363.51	
40 05 19 00-0468	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	31,648.91	2,003.81
		<i>For Class 52 Rating, Deduct</i>	-3,147.41	
		<i>For Class 54 Rating, Add</i>	4,328.36	
		<i>For Class 55 Rating, Add</i>	6,453.53	
		<i>For Class 56 Rating, Add</i>	8,550.08	
40 05 19 00-0469	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	32,286.20	2,007.44
		<i>For Class 52 Rating, Deduct</i>	-3,216.91	
		<i>For Class 54 Rating, Add</i>	4,423.19	
		<i>For Class 55 Rating, Add</i>	6,594.55	
		<i>For Class 56 Rating, Add</i>	8,736.66	
40 05 19 00-0470	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	32,923.48	2,011.08
		<i>For Class 52 Rating, Deduct</i>	-3,286.40	
		<i>For Class 54 Rating, Add</i>	4,518.02	
		<i>For Class 55 Rating, Add</i>	6,735.57	
		<i>For Class 56 Rating, Add</i>	8,923.23	
40 05 19 00-0471	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	33,560.77	2,014.70
		<i>For Class 52 Rating, Deduct</i>	-3,355.90	
		<i>For Class 54 Rating, Add</i>	4,612.86	
		<i>For Class 55 Rating, Add</i>	6,876.59	
		<i>For Class 56 Rating, Add</i>	9,109.81	
40 05 19 00-0472	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	34,198.06	2,018.33
		<i>For Class 52 Rating, Deduct</i>	-3,425.40	
		<i>For Class 54 Rating, Add</i>	4,707.69	
		<i>For Class 55 Rating, Add</i>	7,017.61	
		<i>For Class 56 Rating, Add</i>	9,296.38	
40 05 19 00-0473	EA	36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	34,835.35	2,021.97
		<i>For Class 52 Rating, Deduct</i>	-3,494.89	
		<i>For Class 54 Rating, Add</i>	4,802.53	
		<i>For Class 55 Rating, Add</i>	7,158.63	
		<i>For Class 56 Rating, Add</i>	9,482.96	
40 05 19 00-0474	EA	36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	35,472.63	2,025.59
		<i>For Class 52 Rating, Deduct</i>	-3,564.39	
		<i>For Class 54 Rating, Add</i>	4,897.36	
		<i>For Class 55 Rating, Add</i>	7,299.65	
		<i>For Class 56 Rating, Add</i>	9,669.53	
40 05 19 00-0475	EA	36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	36,109.92	2,029.22
		<i>For Class 52 Rating, Deduct</i>	-3,633.89	
		<i>For Class 54 Rating, Add</i>	4,992.20	
		<i>For Class 55 Rating, Add</i>	7,440.67	
		<i>For Class 56 Rating, Add</i>	9,856.11	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>40 05 19 00-0476 42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small></b>		
40 05 19 00-0477 EA 42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,504.92	2,388.60
<i>For Class 52 Rating, Deduct</i>	-1,417.44	
<i>For Class 54 Rating, Add</i>	1,976.30	
<i>For Class 55 Rating, Add</i>	2,960.40	
<i>For Class 56 Rating, Add</i>	3,931.61	
40 05 19 00-0478 EA 42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,454.34	2,392.23
<i>For Class 52 Rating, Deduct</i>	-1,521.27	
<i>For Class 54 Rating, Add</i>	2,117.96	
<i>For Class 55 Rating, Add</i>	3,171.02	
<i>For Class 56 Rating, Add</i>	4,210.26	
40 05 19 00-0479 EA 42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,392.49	2,395.87
<i>For Class 52 Rating, Deduct</i>	-1,623.86	
<i>For Class 54 Rating, Add</i>	2,257.92	
<i>For Class 55 Rating, Add</i>	3,379.14	
<i>For Class 56 Rating, Add</i>	4,485.59	
40 05 19 00-0480 EA 42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,340.02	2,399.49
<i>For Class 52 Rating, Deduct</i>	-1,727.49	
<i>For Class 54 Rating, Add</i>	2,399.29	
<i>For Class 55 Rating, Add</i>	3,589.34	
<i>For Class 56 Rating, Add</i>	4,763.69	
40 05 19 00-0481 EA 42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,278.17	2,403.12
<i>For Class 52 Rating, Deduct</i>	-1,830.08	
<i>For Class 54 Rating, Add</i>	2,539.25	
<i>For Class 55 Rating, Add</i>	3,797.45	
<i>For Class 56 Rating, Add</i>	5,039.02	
40 05 19 00-0482 EA 42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,227.58	2,406.76
<i>For Class 52 Rating, Deduct</i>	-1,933.91	
<i>For Class 54 Rating, Add</i>	2,680.91	
<i>For Class 55 Rating, Add</i>	4,008.08	
<i>For Class 56 Rating, Add</i>	5,317.67	
40 05 19 00-0483 EA 42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,163.84	2,410.38
<i>For Class 52 Rating, Deduct</i>	-2,036.29	
<i>For Class 54 Rating, Add</i>	2,820.59	
<i>For Class 55 Rating, Add</i>	4,215.77	
<i>For Class 56 Rating, Add</i>	5,592.44	
40 05 19 00-0484 EA 42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,113.27	2,414.01
<i>For Class 52 Rating, Deduct</i>	-2,140.12	
<i>For Class 54 Rating, Add</i>	2,962.24	
<i>For Class 55 Rating, Add</i>	4,426.40	
<i>For Class 56 Rating, Add</i>	5,871.10	
40 05 19 00-0485 EA 42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,051.40	2,417.65
<i>For Class 52 Rating, Deduct</i>	-2,242.71	
<i>For Class 54 Rating, Add</i>	3,102.20	
<i>For Class 55 Rating, Add</i>	4,634.51	
<i>For Class 56 Rating, Add</i>	6,146.42	
40 05 19 00-0486 EA 42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,998.95	2,421.27
<i>For Class 52 Rating, Deduct</i>	-2,346.34	
<i>For Class 54 Rating, Add</i>	3,243.58	
<i>For Class 55 Rating, Add</i>	4,844.71	
<i>For Class 56 Rating, Add</i>	6,424.52	
40 05 19 00-0487 EA 42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,937.09	2,424.90
<i>For Class 52 Rating, Deduct</i>	-2,448.93	
<i>For Class 54 Rating, Add</i>	3,383.54	
<i>For Class 55 Rating, Add</i>	5,052.83	
<i>For Class 56 Rating, Add</i>	6,699.85	
40 05 19 00-0488 EA 42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,884.62	2,428.53
<i>For Class 52 Rating, Deduct</i>	-2,552.55	
<i>For Class 54 Rating, Add</i>	3,524.91	
<i>For Class 55 Rating, Add</i>	5,263.03	
<i>For Class 56 Rating, Add</i>	6,977.95	
40 05 19 00-0489 EA 42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,822.77	2,432.17
<i>For Class 52 Rating, Deduct</i>	-2,655.14	
<i>For Class 54 Rating, Add</i>	3,664.87	
<i>For Class 55 Rating, Add</i>	5,471.14	
<i>For Class 56 Rating, Add</i>	7,253.28	
40 05 19 00-0490 EA 42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	28,762.78	2,435.79
<i>For Class 52 Rating, Deduct</i>	-2,757.94	
<i>For Class 54 Rating, Add</i>	3,805.12	
<i>For Class 55 Rating, Add</i>	5,679.67	
<i>For Class 56 Rating, Add</i>	7,529.16	
40 05 19 00-0491 EA 42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	29,708.44	2,439.42
<i>For Class 52 Rating, Deduct</i>	-2,861.36	
<i>For Class 54 Rating, Add</i>	3,946.21	
<i>For Class 55 Rating, Add</i>	5,889.46	
<i>For Class 56 Rating, Add</i>	7,806.70	
40 05 19 00-0492 EA 42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	30,646.59	2,443.06
<i>For Class 52 Rating, Deduct</i>	-2,963.95	
<i>For Class 54 Rating, Add</i>	4,086.17	
<i>For Class 55 Rating, Add</i>	6,097.57	
<i>For Class 56 Rating, Add</i>	8,082.03	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0493	EA		42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	31,596.00	2,446.68
			<i>For Class 52 Rating, Deduct</i>	-3,067.78	
			<i>For Class 54 Rating, Add</i>	4,227.82	
			<i>For Class 55 Rating, Add</i>	6,308.20	
			<i>For Class 56 Rating, Add</i>	8,360.68	
40 05 19 00-0494	EA		42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	32,534.14	2,450.31
			<i>For Class 52 Rating, Deduct</i>	-3,170.37	
			<i>For Class 54 Rating, Add</i>	4,367.78	
			<i>For Class 55 Rating, Add</i>	6,516.31	
			<i>For Class 56 Rating, Add</i>	8,636.01	
40 05 19 00-0495	EA		42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	33,481.69	2,453.95
			<i>For Class 52 Rating, Deduct</i>	-3,273.99	
			<i>For Class 54 Rating, Add</i>	4,509.16	
			<i>For Class 55 Rating, Add</i>	6,726.51	
			<i>For Class 56 Rating, Add</i>	8,914.11	
40 05 19 00-0496	EA		42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	34,419.81	2,457.57
			<i>For Class 52 Rating, Deduct</i>	-3,376.58	
			<i>For Class 54 Rating, Add</i>	4,649.12	
			<i>For Class 55 Rating, Add</i>	6,934.62	
			<i>For Class 56 Rating, Add</i>	9,189.43	
40 05 19 00-0497	EA		42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	35,369.24	2,461.20
			<i>For Class 52 Rating, Deduct</i>	-3,480.42	
			<i>For Class 54 Rating, Add</i>	4,790.77	
			<i>For Class 55 Rating, Add</i>	7,145.25	
			<i>For Class 56 Rating, Add</i>	9,468.09	
40 05 19 00-0498	EA		42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	36,307.37	2,464.84
			<i>For Class 52 Rating, Deduct</i>	-3,583.01	
			<i>For Class 54 Rating, Add</i>	4,930.73	
			<i>For Class 55 Rating, Add</i>	7,353.36	
			<i>For Class 56 Rating, Add</i>	9,743.42	
40 05 19 00-0499	EA		42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	37,254.92	2,468.47
			<i>For Class 52 Rating, Deduct</i>	-3,686.63	
			<i>For Class 54 Rating, Add</i>	5,072.10	
			<i>For Class 55 Rating, Add</i>	7,563.57	
			<i>For Class 56 Rating, Add</i>	10,021.52	
40 05 19 00-0500	EA		42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	38,193.06	2,472.09
			<i>For Class 52 Rating, Deduct</i>	-3,789.22	
			<i>For Class 54 Rating, Add</i>	5,212.07	
			<i>For Class 55 Rating, Add</i>	7,771.68	
			<i>For Class 56 Rating, Add</i>	10,296.84	
40 05 19 00-0501	EA		42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	39,142.47	2,475.73
			<i>For Class 52 Rating, Deduct</i>	-3,893.05	
			<i>For Class 54 Rating, Add</i>	5,353.72	
			<i>For Class 55 Rating, Add</i>	7,982.30	
			<i>For Class 56 Rating, Add</i>	10,575.50	
40 05 19 00-0502	EA		42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	40,080.62	2,479.36
			<i>For Class 52 Rating, Deduct</i>	-3,995.64	
			<i>For Class 54 Rating, Add</i>	5,493.68	
			<i>For Class 55 Rating, Add</i>	8,190.41	
			<i>For Class 56 Rating, Add</i>	10,850.82	
40 05 19 00-0503	EA		42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	41,026.28	2,482.98
			<i>For Class 52 Rating, Deduct</i>	-4,099.06	
			<i>For Class 54 Rating, Add</i>	5,634.77	
			<i>For Class 55 Rating, Add</i>	8,400.20	
			<i>For Class 56 Rating, Add</i>	11,128.37	
40 05 19 00-0504	EA		42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	41,966.30	2,486.61
			<i>For Class 52 Rating, Deduct</i>	-4,201.86	
			<i>For Class 54 Rating, Add</i>	5,775.02	
			<i>For Class 55 Rating, Add</i>	8,608.73	
			<i>For Class 56 Rating, Add</i>	11,404.25	
40 05 19 00-0505	EA		42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	42,716.41	2,490.25
			<i>For Class 52 Rating, Deduct</i>	-4,283.76	
			<i>For Class 54 Rating, Add</i>	5,886.77	
			<i>For Class 55 Rating, Add</i>	8,774.91	
			<i>For Class 56 Rating, Add</i>	11,624.11	
40 05 19 00-0506	EA		42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	43,851.97	2,493.87
			<i>For Class 52 Rating, Deduct</i>	-4,408.07	
			<i>For Class 54 Rating, Add</i>	6,056.35	
			<i>For Class 55 Rating, Add</i>	9,027.05	
			<i>For Class 56 Rating, Add</i>	11,957.68	
40 05 19 00-0507	EA		42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	44,790.12	2,497.50
			<i>For Class 52 Rating, Deduct</i>	-4,510.66	
			<i>For Class 54 Rating, Add</i>	6,196.31	
			<i>For Class 55 Rating, Add</i>	9,235.16	
			<i>For Class 56 Rating, Add</i>	12,233.00	
40 05 19 00-0508	EA		42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	45,737.66	2,501.14
			<i>For Class 52 Rating, Deduct</i>	-4,614.29	
			<i>For Class 54 Rating, Add</i>	6,337.68	
			<i>For Class 55 Rating, Add</i>	9,445.37	
			<i>For Class 56 Rating, Add</i>	12,511.10	
40 05 19 00-0509	EA		42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	46,675.80	2,504.76
			<i>For Class 52 Rating, Deduct</i>	-4,716.88	
			<i>For Class 54 Rating, Add</i>	6,477.65	
			<i>For Class 55 Rating, Add</i>	9,653.48	
			<i>For Class 56 Rating, Add</i>	12,786.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0510 EA 42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	47,625.22	2,508.39
<i>For Class 52 Rating, Deduct</i>	-4,820.71	
<i>For Class 54 Rating, Add</i>	6,619.30	
<i>For Class 55 Rating, Add</i>	9,864.10	
<i>For Class 56 Rating, Add</i>	13,065.08	
40 05 19 00-0511 EA 42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	48,561.48	2,512.03
<i>For Class 52 Rating, Deduct</i>	-4,923.09	
<i>For Class 54 Rating, Add</i>	6,758.98	
<i>For Class 55 Rating, Add</i>	10,071.80	
<i>For Class 56 Rating, Add</i>	13,339.86	
40 05 19 00-0512 EA 42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	49,510.90	2,515.66
<i>For Class 52 Rating, Deduct</i>	-5,026.92	
<i>For Class 54 Rating, Add</i>	6,900.63	
<i>For Class 55 Rating, Add</i>	10,282.42	
<i>For Class 56 Rating, Add</i>	13,618.51	
40 05 19 00-0513 EA 42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	50,449.04	2,519.28
<i>For Class 52 Rating, Deduct</i>	-5,129.51	
<i>For Class 54 Rating, Add</i>	7,040.60	
<i>For Class 55 Rating, Add</i>	10,490.53	
<i>For Class 56 Rating, Add</i>	13,893.84	
40 05 19 00-0514 EA 42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	51,396.57	2,522.92
<i>For Class 52 Rating, Deduct</i>	-5,233.14	
<i>For Class 54 Rating, Add</i>	7,181.97	
<i>For Class 55 Rating, Add</i>	10,700.74	
<i>For Class 56 Rating, Add</i>	14,171.94	
<b>40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0516 EA 48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,704.33	3,002.09
<i>For Class 52 Rating, Deduct</i>	-1,777.13	
<i>For Class 54 Rating, Add</i>	2,477.94	
<i>For Class 55 Rating, Add</i>	3,711.89	
<i>For Class 56 Rating, Add</i>	4,929.68	
40 05 19 00-0517 EA 48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,084.33	3,005.72
<i>For Class 52 Rating, Deduct</i>	-1,928.32	
<i>For Class 54 Rating, Add</i>	2,684.18	
<i>For Class 55 Rating, Add</i>	4,018.54	
<i>For Class 56 Rating, Add</i>	5,335.36	
40 05 19 00-0518 EA 48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,462.48	3,009.34
<i>For Class 52 Rating, Deduct</i>	-2,079.31	
<i>For Class 54 Rating, Add</i>	2,890.14	
<i>For Class 55 Rating, Add</i>	4,324.77	
<i>For Class 56 Rating, Add</i>	5,740.49	
40 05 19 00-0519 EA 48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,851.89	3,012.98
<i>For Class 52 Rating, Deduct</i>	-2,231.54	
<i>For Class 54 Rating, Add</i>	3,097.80	
<i>For Class 55 Rating, Add</i>	4,633.51	
<i>For Class 56 Rating, Add</i>	6,148.94	
40 05 19 00-0520 EA 48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,231.91	3,016.61
<i>For Class 52 Rating, Deduct</i>	-2,382.74	
<i>For Class 54 Rating, Add</i>	3,304.04	
<i>For Class 55 Rating, Add</i>	4,940.16	
<i>For Class 56 Rating, Add</i>	6,554.62	
40 05 19 00-0521 EA 48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,611.92	3,020.24
<i>For Class 52 Rating, Deduct</i>	-2,533.94	
<i>For Class 54 Rating, Add</i>	3,510.28	
<i>For Class 55 Rating, Add</i>	5,246.81	
<i>For Class 56 Rating, Add</i>	6,960.30	
40 05 19 00-0522 EA 48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	28,999.46	3,023.87
<i>For Class 52 Rating, Deduct</i>	-2,685.96	
<i>For Class 54 Rating, Add</i>	3,717.66	
<i>For Class 55 Rating, Add</i>	5,555.14	
<i>For Class 56 Rating, Add</i>	7,368.20	
40 05 19 00-0523 EA 48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	30,381.35	3,027.50
<i>For Class 52 Rating, Deduct</i>	-2,837.37	
<i>For Class 54 Rating, Add</i>	3,924.18	
<i>For Class 55 Rating, Add</i>	5,862.20	
<i>For Class 56 Rating, Add</i>	7,774.43	
40 05 19 00-0524 EA 48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	31,759.48	3,031.13
<i>For Class 52 Rating, Deduct</i>	-2,988.35	
<i>For Class 54 Rating, Add</i>	4,130.14	
<i>For Class 55 Rating, Add</i>	6,168.43	
<i>For Class 56 Rating, Add</i>	8,179.56	
40 05 19 00-0525 EA 48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	33,148.90	3,034.76
<i>For Class 52 Rating, Deduct</i>	-3,140.59	
<i>For Class 54 Rating, Add</i>	4,337.79	
<i>For Class 55 Rating, Add</i>	6,477.18	
<i>For Class 56 Rating, Add</i>	8,588.01	
40 05 19 00-0526 EA 48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	34,528.91	3,038.39
<i>For Class 52 Rating, Deduct</i>	-3,291.78	
<i>For Class 54 Rating, Add</i>	4,544.04	
<i>For Class 55 Rating, Add</i>	6,783.83	
<i>For Class 56 Rating, Add</i>	8,993.69	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0527	EA		48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	35,918.33	3,042.02
			<i>For Class 52 Rating, Deduct</i>	-3,444.01	
			<i>For Class 54 Rating, Add</i>	4,751.69	
			<i>For Class 55 Rating, Add</i>	7,092.57	
			<i>For Class 56 Rating, Add</i>	9,402.15	
40 05 19 00-0528	EA		48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	37,296.46	3,045.64
			<i>For Class 52 Rating, Deduct</i>	-3,595.00	
			<i>For Class 54 Rating, Add</i>	4,957.65	
			<i>For Class 55 Rating, Add</i>	7,398.80	
			<i>For Class 56 Rating, Add</i>	9,807.27	
40 05 19 00-0529	EA		48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	38,676.48	3,049.28
			<i>For Class 52 Rating, Deduct</i>	-3,746.20	
			<i>For Class 54 Rating, Add</i>	5,163.90	
			<i>For Class 55 Rating, Add</i>	7,705.45	
			<i>For Class 56 Rating, Add</i>	10,212.95	
40 05 19 00-0530	EA		48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	40,065.89	3,052.91
			<i>For Class 52 Rating, Deduct</i>	-3,898.43	
			<i>For Class 54 Rating, Add</i>	5,371.55	
			<i>For Class 55 Rating, Add</i>	8,014.20	
			<i>For Class 56 Rating, Add</i>	10,621.40	
40 05 19 00-0531	EA		48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	41,445.91	3,056.54
			<i>For Class 52 Rating, Deduct</i>	-4,049.63	
			<i>For Class 54 Rating, Add</i>	5,577.79	
			<i>For Class 55 Rating, Add</i>	8,320.85	
			<i>For Class 56 Rating, Add</i>	11,027.08	
40 05 19 00-0532	EA		48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	42,824.04	3,060.17
			<i>For Class 52 Rating, Deduct</i>	-4,200.62	
			<i>For Class 54 Rating, Add</i>	5,783.75	
			<i>For Class 55 Rating, Add</i>	8,627.07	
			<i>For Class 56 Rating, Add</i>	11,432.21	
40 05 19 00-0533	EA		48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	44,213.45	3,063.80
			<i>For Class 52 Rating, Deduct</i>	-4,352.85	
			<i>For Class 54 Rating, Add</i>	5,991.40	
			<i>For Class 55 Rating, Add</i>	8,935.82	
			<i>For Class 56 Rating, Add</i>	11,840.66	
40 05 19 00-0534	EA		48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	45,593.47	3,067.43
			<i>For Class 52 Rating, Deduct</i>	-4,504.04	
			<i>For Class 54 Rating, Add</i>	6,197.65	
			<i>For Class 55 Rating, Add</i>	9,242.47	
			<i>For Class 56 Rating, Add</i>	12,246.34	
40 05 19 00-0535	EA		48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	46,971.60	3,071.06
			<i>For Class 52 Rating, Deduct</i>	-4,655.03	
			<i>For Class 54 Rating, Add</i>	6,403.61	
			<i>For Class 55 Rating, Add</i>	9,548.70	
			<i>For Class 56 Rating, Add</i>	12,651.46	
40 05 19 00-0536	EA		48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	48,361.02	3,074.69
			<i>For Class 52 Rating, Deduct</i>	-4,807.26	
			<i>For Class 54 Rating, Add</i>	6,611.26	
			<i>For Class 55 Rating, Add</i>	9,857.44	
			<i>For Class 56 Rating, Add</i>	13,059.92	
40 05 19 00-0537	EA		48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	49,742.91	3,078.32
			<i>For Class 52 Rating, Deduct</i>	-4,958.67	
			<i>For Class 54 Rating, Add</i>	6,817.79	
			<i>For Class 55 Rating, Add</i>	10,164.51	
			<i>For Class 56 Rating, Add</i>	13,466.15	
40 05 19 00-0538	EA		48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	51,121.05	3,081.95
			<i>For Class 52 Rating, Deduct</i>	-5,109.66	
			<i>For Class 54 Rating, Add</i>	7,023.75	
			<i>For Class 55 Rating, Add</i>	10,470.74	
			<i>For Class 56 Rating, Add</i>	13,871.28	
40 05 19 00-0539	EA		48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	52,510.46	3,085.58
			<i>For Class 52 Rating, Deduct</i>	-5,261.89	
			<i>For Class 54 Rating, Add</i>	7,231.40	
			<i>For Class 55 Rating, Add</i>	10,779.48	
			<i>For Class 56 Rating, Add</i>	14,279.73	
40 05 19 00-0540	EA		48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	53,890.47	3,089.21
			<i>For Class 52 Rating, Deduct</i>	-5,413.08	
			<i>For Class 54 Rating, Add</i>	7,437.64	
			<i>For Class 55 Rating, Add</i>	11,086.13	
			<i>For Class 56 Rating, Add</i>	14,685.41	
40 05 19 00-0541	EA		48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	55,268.61	3,092.85
			<i>For Class 52 Rating, Deduct</i>	-5,564.07	
			<i>For Class 54 Rating, Add</i>	7,643.61	
			<i>For Class 55 Rating, Add</i>	11,392.36	
			<i>For Class 56 Rating, Add</i>	15,090.53	
40 05 19 00-0542	EA		48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	56,658.02	3,096.47
			<i>For Class 52 Rating, Deduct</i>	-5,716.30	
			<i>For Class 54 Rating, Add</i>	7,851.26	
			<i>For Class 55 Rating, Add</i>	11,701.11	
			<i>For Class 56 Rating, Add</i>	15,498.99	
40 05 19 00-0543	EA		48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	58,038.05	3,100.10
			<i>For Class 52 Rating, Deduct</i>	-5,867.50	
			<i>For Class 54 Rating, Add</i>	8,057.50	
			<i>For Class 55 Rating, Add</i>	12,007.76	
			<i>For Class 56 Rating, Add</i>	15,904.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0544 EA 48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	59,248.82	3,103.73
<i>For Class 52 Rating, Deduct</i>	-6,000.08	
<i>For Class 54 Rating, Add</i>	8,238.36	
<i>For Class 55 Rating, Add</i>	12,276.67	
<i>For Class 56 Rating, Add</i>	16,260.42	
40 05 19 00-0545 EA 48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	60,807.47	3,107.36
<i>For Class 52 Rating, Deduct</i>	-6,170.93	
<i>For Class 54 Rating, Add</i>	8,471.40	
<i>For Class 55 Rating, Add</i>	12,623.15	
<i>For Class 56 Rating, Add</i>	16,718.80	
40 05 19 00-0546 EA 48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	62,185.60	3,110.99
<i>For Class 52 Rating, Deduct</i>	-6,321.92	
<i>For Class 54 Rating, Add</i>	8,677.36	
<i>For Class 55 Rating, Add</i>	12,929.38	
<i>For Class 56 Rating, Add</i>	17,123.92	
40 05 19 00-0547 EA 48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	63,576.90	3,114.62
<i>For Class 52 Rating, Deduct</i>	-6,474.36	
<i>For Class 54 Rating, Add</i>	8,885.30	
<i>For Class 55 Rating, Add</i>	13,238.54	
<i>For Class 56 Rating, Add</i>	17,532.93	
40 05 19 00-0548 EA 48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	64,955.04	3,118.25
<i>For Class 52 Rating, Deduct</i>	-6,625.35	
<i>For Class 54 Rating, Add</i>	9,091.26	
<i>For Class 55 Rating, Add</i>	13,544.77	
<i>For Class 56 Rating, Add</i>	17,938.06	
40 05 19 00-0549 EA 48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	66,333.16	3,121.88
<i>For Class 52 Rating, Deduct</i>	-6,776.33	
<i>For Class 54 Rating, Add</i>	9,297.22	
<i>For Class 55 Rating, Add</i>	13,851.00	
<i>For Class 56 Rating, Add</i>	18,343.18	
40 05 19 00-0550 EA 48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	67,724.46	3,125.51
<i>For Class 52 Rating, Deduct</i>	-6,928.77	
<i>For Class 54 Rating, Add</i>	9,505.15	
<i>For Class 55 Rating, Add</i>	14,160.17	
<i>For Class 56 Rating, Add</i>	18,752.19	
40 05 19 00-0551 EA 48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	69,102.60	3,129.15
<i>For Class 52 Rating, Deduct</i>	-7,079.76	
<i>For Class 54 Rating, Add</i>	9,711.11	
<i>For Class 55 Rating, Add</i>	14,466.39	
<i>For Class 56 Rating, Add</i>	19,157.31	
40 05 19 00-0552 EA 48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	70,482.61	3,132.77
<i>For Class 52 Rating, Deduct</i>	-7,230.96	
<i>For Class 54 Rating, Add</i>	9,917.36	
<i>For Class 55 Rating, Add</i>	14,773.04	
<i>For Class 56 Rating, Add</i>	19,563.00	
40 05 19 00-0553 EA 48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	71,872.02	3,136.40
<i>For Class 52 Rating, Deduct</i>	-7,383.19	
<i>For Class 54 Rating, Add</i>	10,125.01	
<i>For Class 55 Rating, Add</i>	15,081.79	
<i>For Class 56 Rating, Add</i>	19,971.45	
 40 05 19 00-0554 Flanged End x Grooved End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
 40 05 19 00-0555 4" Flanged End x Grooved End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0556 EA 4" Flanged x Grooved (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	571.34	166.12
<i>For Class 52 Rating, Deduct</i>	-35.16	
<i>For Class 54 Rating, Add</i>	50.97	
<i>For Class 55 Rating, Add</i>	77.32	
<i>For Class 56 Rating, Add</i>	103.36	
40 05 19 00-0557 EA 4" Flanged x Grooved (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	624.62	169.02
<i>For Class 52 Rating, Deduct</i>	-40.54	
<i>For Class 54 Rating, Add</i>	58.35	
<i>For Class 55 Rating, Add</i>	88.33	
<i>For Class 56 Rating, Add</i>	117.94	
40 05 19 00-0558 EA 4" Flanged x Grooved (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	677.92	171.92
<i>For Class 52 Rating, Deduct</i>	-45.92	
<i>For Class 54 Rating, Add</i>	65.74	
<i>For Class 55 Rating, Add</i>	99.34	
<i>For Class 56 Rating, Add</i>	132.52	
40 05 19 00-0559 EA 4" Flanged x Grooved (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	731.20	174.83
<i>For Class 52 Rating, Deduct</i>	-51.30	
<i>For Class 54 Rating, Add</i>	73.13	
<i>For Class 55 Rating, Add</i>	110.35	
<i>For Class 56 Rating, Add</i>	147.10	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0560	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		784.50	177.74
		<i>For Class 52 Rating, Deduct</i>		-56.67	
		<i>For Class 54 Rating, Add</i>		80.51	
		<i>For Class 55 Rating, Add</i>		121.35	
		<i>For Class 56 Rating, Add</i>		161.68	
40 05 19 00-0561	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		837.78	180.63
		<i>For Class 52 Rating, Deduct</i>		-62.05	
		<i>For Class 54 Rating, Add</i>		87.90	
		<i>For Class 55 Rating, Add</i>		132.36	
		<i>For Class 56 Rating, Add</i>		176.26	
40 05 19 00-0562	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		891.07	183.54
		<i>For Class 52 Rating, Deduct</i>		-67.43	
		<i>For Class 54 Rating, Add</i>		95.28	
		<i>For Class 55 Rating, Add</i>		143.37	
		<i>For Class 56 Rating, Add</i>		190.84	
40 05 19 00-0563	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		944.35	186.45
		<i>For Class 52 Rating, Deduct</i>		-72.81	
		<i>For Class 54 Rating, Add</i>		102.67	
		<i>For Class 55 Rating, Add</i>		154.38	
		<i>For Class 56 Rating, Add</i>		205.42	
40 05 19 00-0564	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		997.65	189.35
		<i>For Class 52 Rating, Deduct</i>		-78.18	
		<i>For Class 54 Rating, Add</i>		110.06	
		<i>For Class 55 Rating, Add</i>		165.38	
		<i>For Class 56 Rating, Add</i>		220.00	
40 05 19 00-0565	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,050.93	192.25
		<i>For Class 52 Rating, Deduct</i>		-83.56	
		<i>For Class 54 Rating, Add</i>		117.44	
		<i>For Class 55 Rating, Add</i>		176.39	
		<i>For Class 56 Rating, Add</i>		234.58	
40 05 19 00-0566	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,104.23	195.15
		<i>For Class 52 Rating, Deduct</i>		-88.94	
		<i>For Class 54 Rating, Add</i>		124.83	
		<i>For Class 55 Rating, Add</i>		187.40	
		<i>For Class 56 Rating, Add</i>		249.16	
40 05 19 00-0567	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,157.51	198.06
		<i>For Class 52 Rating, Deduct</i>		-94.32	
		<i>For Class 54 Rating, Add</i>		132.22	
		<i>For Class 55 Rating, Add</i>		198.41	
		<i>For Class 56 Rating, Add</i>		263.74	
40 05 19 00-0568	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,210.80	200.97
		<i>For Class 52 Rating, Deduct</i>		-99.69	
		<i>For Class 54 Rating, Add</i>		139.60	
		<i>For Class 55 Rating, Add</i>		209.41	
		<i>For Class 56 Rating, Add</i>		278.32	
40 05 19 00-0569	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,264.08	203.86
		<i>For Class 52 Rating, Deduct</i>		-105.07	
		<i>For Class 54 Rating, Add</i>		146.99	
		<i>For Class 55 Rating, Add</i>		220.42	
		<i>For Class 56 Rating, Add</i>		292.90	
40 05 19 00-0570	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,317.38	206.77
		<i>For Class 52 Rating, Deduct</i>		-110.45	
		<i>For Class 54 Rating, Add</i>		154.37	
		<i>For Class 55 Rating, Add</i>		231.43	
		<i>For Class 56 Rating, Add</i>		307.48	
40 05 19 00-0571	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,370.66	209.68
		<i>For Class 52 Rating, Deduct</i>		-115.83	
		<i>For Class 54 Rating, Add</i>		161.76	
		<i>For Class 55 Rating, Add</i>		242.44	
		<i>For Class 56 Rating, Add</i>		322.07	
40 05 19 00-0572	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,423.96	212.58
		<i>For Class 52 Rating, Deduct</i>		-121.21	
		<i>For Class 54 Rating, Add</i>		169.15	
		<i>For Class 55 Rating, Add</i>		253.45	
		<i>For Class 56 Rating, Add</i>		336.65	
40 05 19 00-0573	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,477.24	215.48
		<i>For Class 52 Rating, Deduct</i>		-126.58	
		<i>For Class 54 Rating, Add</i>		176.53	
		<i>For Class 55 Rating, Add</i>		264.46	
		<i>For Class 56 Rating, Add</i>		351.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0574 EA 4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,530.53	218.39
<i>For Class 52 Rating, Deduct</i>	-131.96	
<i>For Class 54 Rating, Add</i>	183.92	
<i>For Class 55 Rating, Add</i>	275.46	
<i>For Class 56 Rating, Add</i>	365.81	
40 05 19 00-0575 EA 4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,583.81	221.29
<i>For Class 52 Rating, Deduct</i>	-137.34	
<i>For Class 54 Rating, Add</i>	191.30	
<i>For Class 55 Rating, Add</i>	286.47	
<i>For Class 56 Rating, Add</i>	380.39	
40 05 19 00-0576 EA 4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,637.11	224.20
<i>For Class 52 Rating, Deduct</i>	-142.72	
<i>For Class 54 Rating, Add</i>	198.69	
<i>For Class 55 Rating, Add</i>	297.48	
<i>For Class 56 Rating, Add</i>	394.97	
40 05 19 00-0577 EA 4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,690.39	227.10
<i>For Class 52 Rating, Deduct</i>	-148.09	
<i>For Class 54 Rating, Add</i>	206.08	
<i>For Class 55 Rating, Add</i>	308.49	
<i>For Class 56 Rating, Add</i>	409.55	
40 05 19 00-0578 EA 4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,743.69	230.00
<i>For Class 52 Rating, Deduct</i>	-153.47	
<i>For Class 54 Rating, Add</i>	213.46	
<i>For Class 55 Rating, Add</i>	319.49	
<i>For Class 56 Rating, Add</i>	424.13	
40 05 19 00-0579 EA 4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,796.97	232.91
<i>For Class 52 Rating, Deduct</i>	-158.85	
<i>For Class 54 Rating, Add</i>	220.85	
<i>For Class 55 Rating, Add</i>	330.50	
<i>For Class 56 Rating, Add</i>	438.71	
40 05 19 00-0580 EA 4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,850.26	235.82
<i>For Class 52 Rating, Deduct</i>	-164.23	
<i>For Class 54 Rating, Add</i>	228.23	
<i>For Class 55 Rating, Add</i>	341.51	
<i>For Class 56 Rating, Add</i>	453.29	
40 05 19 00-0581 EA 4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,903.55	238.72
<i>For Class 52 Rating, Deduct</i>	-169.60	
<i>For Class 54 Rating, Add</i>	235.62	
<i>For Class 55 Rating, Add</i>	352.52	
<i>For Class 56 Rating, Add</i>	467.87	
40 05 19 00-0582 EA 4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,956.84	241.62
<i>For Class 52 Rating, Deduct</i>	-174.98	
<i>For Class 54 Rating, Add</i>	243.01	
<i>For Class 55 Rating, Add</i>	363.52	
<i>For Class 56 Rating, Add</i>	482.45	
40 05 19 00-0583 EA 4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,010.13	244.53
<i>For Class 52 Rating, Deduct</i>	-180.36	
<i>For Class 54 Rating, Add</i>	250.39	
<i>For Class 55 Rating, Add</i>	374.53	
<i>For Class 56 Rating, Add</i>	497.03	
40 05 19 00-0584 EA 4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,063.42	247.43
<i>For Class 52 Rating, Deduct</i>	-185.74	
<i>For Class 54 Rating, Add</i>	257.78	
<i>For Class 55 Rating, Add</i>	385.54	
<i>For Class 56 Rating, Add</i>	511.61	
40 05 19 00-0585 EA 4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,116.71	250.34
<i>For Class 52 Rating, Deduct</i>	-191.12	
<i>For Class 54 Rating, Add</i>	265.16	
<i>For Class 55 Rating, Add</i>	396.55	
<i>For Class 56 Rating, Add</i>	526.19	
40 05 19 00-0586 EA 4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,169.99	253.23
<i>For Class 52 Rating, Deduct</i>	-196.49	
<i>For Class 54 Rating, Add</i>	272.55	
<i>For Class 55 Rating, Add</i>	407.55	
<i>For Class 56 Rating, Add</i>	540.77	
40 05 19 00-0587 EA 4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,223.28	256.14
<i>For Class 52 Rating, Deduct</i>	-201.87	
<i>For Class 54 Rating, Add</i>	279.94	
<i>For Class 55 Rating, Add</i>	418.56	
<i>For Class 56 Rating, Add</i>	555.35	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0588	EA		4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,276.57	259.05
			<i>For Class 52 Rating, Deduct</i>	-207.25	
			<i>For Class 54 Rating, Add</i>	287.32	
			<i>For Class 55 Rating, Add</i>	429.57	
			<i>For Class 56 Rating, Add</i>	569.93	
40 05 19 00-0589	EA		4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,329.86	261.95
			<i>For Class 52 Rating, Deduct</i>	-212.63	
			<i>For Class 54 Rating, Add</i>	294.71	
			<i>For Class 55 Rating, Add</i>	440.58	
			<i>For Class 56 Rating, Add</i>	584.51	
40 05 19 00-0590	EA		4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,383.15	264.85
			<i>For Class 52 Rating, Deduct</i>	-218.00	
			<i>For Class 54 Rating, Add</i>	302.09	
			<i>For Class 55 Rating, Add</i>	451.59	
			<i>For Class 56 Rating, Add</i>	599.10	
40 05 19 00-0591	EA		4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,436.44	267.76
			<i>For Class 52 Rating, Deduct</i>	-223.38	
			<i>For Class 54 Rating, Add</i>	309.48	
			<i>For Class 55 Rating, Add</i>	462.59	
			<i>For Class 56 Rating, Add</i>	613.68	
40 05 19 00-0592	EA		4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,489.72	270.66
			<i>For Class 52 Rating, Deduct</i>	-228.76	
			<i>For Class 54 Rating, Add</i>	316.87	
			<i>For Class 55 Rating, Add</i>	473.60	
			<i>For Class 56 Rating, Add</i>	628.25	
40 05 19 00-0593	EA		4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,543.01	273.57
			<i>For Class 52 Rating, Deduct</i>	-234.14	
			<i>For Class 54 Rating, Add</i>	324.25	
			<i>For Class 55 Rating, Add</i>	484.61	
			<i>For Class 56 Rating, Add</i>	642.84	
40 05 19 00-0594	EA		4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,596.30	276.47
			<i>For Class 52 Rating, Deduct</i>	-239.52	
			<i>For Class 54 Rating, Add</i>	331.64	
			<i>For Class 55 Rating, Add</i>	495.62	
			<i>For Class 56 Rating, Add</i>	657.42	
<b>40 05 19 00-0595</b>			<b>6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0594)</small>		
40 05 19 00-0596	EA		6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	713.56	209.10
			<i>For Class 52 Rating, Deduct</i>	-43.64	
			<i>For Class 54 Rating, Add</i>	63.31	
			<i>For Class 55 Rating, Add</i>	96.08	
			<i>For Class 56 Rating, Add</i>	128.45	
40 05 19 00-0597	EA		6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	778.12	211.99
			<i>For Class 52 Rating, Deduct</i>	-50.26	
			<i>For Class 54 Rating, Add</i>	72.39	
			<i>For Class 55 Rating, Add</i>	109.60	
			<i>For Class 56 Rating, Add</i>	146.35	
40 05 19 00-0598	EA		6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	842.70	214.90
			<i>For Class 52 Rating, Deduct</i>	-56.88	
			<i>For Class 54 Rating, Add</i>	81.47	
			<i>For Class 55 Rating, Add</i>	123.13	
			<i>For Class 56 Rating, Add</i>	164.26	
40 05 19 00-0599	EA		6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	907.26	217.81
			<i>For Class 52 Rating, Deduct</i>	-63.50	
			<i>For Class 54 Rating, Add</i>	90.55	
			<i>For Class 55 Rating, Add</i>	136.65	
			<i>For Class 56 Rating, Add</i>	182.17	
40 05 19 00-0600	EA		6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	971.84	220.71
			<i>For Class 52 Rating, Deduct</i>	-70.12	
			<i>For Class 54 Rating, Add</i>	99.63	
			<i>For Class 55 Rating, Add</i>	150.17	
			<i>For Class 56 Rating, Add</i>	200.08	
40 05 19 00-0601	EA		6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,036.40	223.61
			<i>For Class 52 Rating, Deduct</i>	-76.74	
			<i>For Class 54 Rating, Add</i>	108.71	
			<i>For Class 55 Rating, Add</i>	163.70	
			<i>For Class 56 Rating, Add</i>	217.99	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0602 EA 6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,100.98	226.52
<i>For Class 52 Rating, Deduct</i>	-83.35	
<i>For Class 54 Rating, Add</i>	117.78	
<i>For Class 55 Rating, Add</i>	177.22	
<i>For Class 56 Rating, Add</i>	235.90	
40 05 19 00-0603 EA 6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,165.54	229.42
<i>For Class 52 Rating, Deduct</i>	-89.97	
<i>For Class 54 Rating, Add</i>	126.86	
<i>For Class 55 Rating, Add</i>	190.74	
<i>For Class 56 Rating, Add</i>	253.81	
40 05 19 00-0604 EA 6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,230.12	232.33
<i>For Class 52 Rating, Deduct</i>	-96.59	
<i>For Class 54 Rating, Add</i>	135.94	
<i>For Class 55 Rating, Add</i>	204.27	
<i>For Class 56 Rating, Add</i>	271.71	
40 05 19 00-0605 EA 6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,294.69	235.23
<i>For Class 52 Rating, Deduct</i>	-103.21	
<i>For Class 54 Rating, Add</i>	145.02	
<i>For Class 55 Rating, Add</i>	217.79	
<i>For Class 56 Rating, Add</i>	289.62	
40 05 19 00-0606 EA 6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,359.26	238.13
<i>For Class 52 Rating, Deduct</i>	-109.83	
<i>For Class 54 Rating, Add</i>	154.10	
<i>For Class 55 Rating, Add</i>	231.31	
<i>For Class 56 Rating, Add</i>	307.53	
40 05 19 00-0607 EA 6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,423.83	241.04
<i>For Class 52 Rating, Deduct</i>	-116.45	
<i>For Class 54 Rating, Add</i>	163.18	
<i>For Class 55 Rating, Add</i>	244.84	
<i>For Class 56 Rating, Add</i>	325.44	
40 05 19 00-0608 EA 6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,488.40	243.95
<i>For Class 52 Rating, Deduct</i>	-123.07	
<i>For Class 54 Rating, Add</i>	172.25	
<i>For Class 55 Rating, Add</i>	258.36	
<i>For Class 56 Rating, Add</i>	343.35	
40 05 19 00-0609 EA 6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,552.97	246.84
<i>For Class 52 Rating, Deduct</i>	-129.69	
<i>For Class 54 Rating, Add</i>	181.33	
<i>For Class 55 Rating, Add</i>	271.88	
<i>For Class 56 Rating, Add</i>	361.26	
40 05 19 00-0610 EA 6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,617.54	249.75
<i>For Class 52 Rating, Deduct</i>	-136.30	
<i>For Class 54 Rating, Add</i>	190.41	
<i>For Class 55 Rating, Add</i>	285.41	
<i>For Class 56 Rating, Add</i>	379.17	
40 05 19 00-0611 EA 6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,682.11	252.65
<i>For Class 52 Rating, Deduct</i>	-142.92	
<i>For Class 54 Rating, Add</i>	199.49	
<i>For Class 55 Rating, Add</i>	298.93	
<i>For Class 56 Rating, Add</i>	397.07	
40 05 19 00-0612 EA 6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,746.68	255.56
<i>For Class 52 Rating, Deduct</i>	-149.54	
<i>For Class 54 Rating, Add</i>	208.57	
<i>For Class 55 Rating, Add</i>	312.45	
<i>For Class 56 Rating, Add</i>	414.98	
40 05 19 00-0613 EA 6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,811.25	258.46
<i>For Class 52 Rating, Deduct</i>	-156.16	
<i>For Class 54 Rating, Add</i>	217.65	
<i>For Class 55 Rating, Add</i>	325.98	
<i>For Class 56 Rating, Add</i>	432.89	
40 05 19 00-0614 EA 6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,875.82	261.36
<i>For Class 52 Rating, Deduct</i>	-162.78	
<i>For Class 54 Rating, Add</i>	226.72	
<i>For Class 55 Rating, Add</i>	339.50	
<i>For Class 56 Rating, Add</i>	450.80	
40 05 19 00-0615 EA 6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,940.39	264.27
<i>For Class 52 Rating, Deduct</i>	-169.40	
<i>For Class 54 Rating, Add</i>	235.80	
<i>For Class 55 Rating, Add</i>	353.03	
<i>For Class 56 Rating, Add</i>	468.71	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0616	EA		6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,004.96	267.18
			<i>For Class 52 Rating, Deduct</i>	-176.02	
			<i>For Class 54 Rating, Add</i>	244.88	
			<i>For Class 55 Rating, Add</i>	366.55	
			<i>For Class 56 Rating, Add</i>	486.62	
40 05 19 00-0617	EA		6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,069.53	270.08
			<i>For Class 52 Rating, Deduct</i>	-182.64	
			<i>For Class 54 Rating, Add</i>	253.96	
			<i>For Class 55 Rating, Add</i>	380.07	
			<i>For Class 56 Rating, Add</i>	504.53	
40 05 19 00-0618	EA		6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,134.10	272.98
			<i>For Class 52 Rating, Deduct</i>	-189.25	
			<i>For Class 54 Rating, Add</i>	263.04	
			<i>For Class 55 Rating, Add</i>	393.60	
			<i>For Class 56 Rating, Add</i>	522.43	
40 05 19 00-0619	EA		6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,198.67	275.89
			<i>For Class 52 Rating, Deduct</i>	-195.87	
			<i>For Class 54 Rating, Add</i>	272.12	
			<i>For Class 55 Rating, Add</i>	407.12	
			<i>For Class 56 Rating, Add</i>	540.34	
40 05 19 00-0620	EA		6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,263.24	278.79
			<i>For Class 52 Rating, Deduct</i>	-202.49	
			<i>For Class 54 Rating, Add</i>	281.19	
			<i>For Class 55 Rating, Add</i>	420.64	
			<i>For Class 56 Rating, Add</i>	558.25	
40 05 19 00-0621	EA		6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,327.81	281.70
			<i>For Class 52 Rating, Deduct</i>	-209.11	
			<i>For Class 54 Rating, Add</i>	290.27	
			<i>For Class 55 Rating, Add</i>	434.17	
			<i>For Class 56 Rating, Add</i>	576.16	
40 05 19 00-0622	EA		6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,392.38	284.60
			<i>For Class 52 Rating, Deduct</i>	-215.73	
			<i>For Class 54 Rating, Add</i>	299.35	
			<i>For Class 55 Rating, Add</i>	447.69	
			<i>For Class 56 Rating, Add</i>	594.07	
40 05 19 00-0623	EA		6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,456.95	287.50
			<i>For Class 52 Rating, Deduct</i>	-222.35	
			<i>For Class 54 Rating, Add</i>	308.43	
			<i>For Class 55 Rating, Add</i>	461.21	
			<i>For Class 56 Rating, Add</i>	611.98	
40 05 19 00-0624	EA		6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,521.52	290.41
			<i>For Class 52 Rating, Deduct</i>	-228.97	
			<i>For Class 54 Rating, Add</i>	317.51	
			<i>For Class 55 Rating, Add</i>	474.74	
			<i>For Class 56 Rating, Add</i>	629.89	
40 05 19 00-0625	EA		6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,586.09	293.32
			<i>For Class 52 Rating, Deduct</i>	-235.58	
			<i>For Class 54 Rating, Add</i>	326.58	
			<i>For Class 55 Rating, Add</i>	488.26	
			<i>For Class 56 Rating, Add</i>	647.79	
40 05 19 00-0626	EA		6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,650.66	296.21
			<i>For Class 52 Rating, Deduct</i>	-242.20	
			<i>For Class 54 Rating, Add</i>	335.66	
			<i>For Class 55 Rating, Add</i>	501.78	
			<i>For Class 56 Rating, Add</i>	665.70	
40 05 19 00-0627	EA		6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,715.23	299.12
			<i>For Class 52 Rating, Deduct</i>	-248.82	
			<i>For Class 54 Rating, Add</i>	344.74	
			<i>For Class 55 Rating, Add</i>	515.31	
			<i>For Class 56 Rating, Add</i>	683.61	
40 05 19 00-0628	EA		6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,779.81	302.03
			<i>For Class 52 Rating, Deduct</i>	-255.44	
			<i>For Class 54 Rating, Add</i>	353.82	
			<i>For Class 55 Rating, Add</i>	528.83	
			<i>For Class 56 Rating, Add</i>	701.52	
40 05 19 00-0629	EA		6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,844.38	304.93
			<i>For Class 52 Rating, Deduct</i>	-262.06	
			<i>For Class 54 Rating, Add</i>	362.90	
			<i>For Class 55 Rating, Add</i>	542.36	
			<i>For Class 56 Rating, Add</i>	719.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0630 EA 6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,908.95	307.83
<i>For Class 52 Rating, Deduct</i>	-268.68	
<i>For Class 54 Rating, Add</i>	371.98	
<i>For Class 55 Rating, Add</i>	555.88	
<i>For Class 56 Rating, Add</i>	737.34	
40 05 19 00-0631 EA 6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,973.52	310.73
<i>For Class 52 Rating, Deduct</i>	-275.30	
<i>For Class 54 Rating, Add</i>	381.06	
<i>For Class 55 Rating, Add</i>	569.40	
<i>For Class 56 Rating, Add</i>	755.25	
40 05 19 00-0632 EA 6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,038.09	313.64
<i>For Class 52 Rating, Deduct</i>	-281.92	
<i>For Class 54 Rating, Add</i>	390.13	
<i>For Class 55 Rating, Add</i>	582.93	
<i>For Class 56 Rating, Add</i>	773.16	
40 05 19 00-0633 EA 6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,102.66	316.55
<i>For Class 52 Rating, Deduct</i>	-288.54	
<i>For Class 54 Rating, Add</i>	399.21	
<i>For Class 55 Rating, Add</i>	596.45	
<i>For Class 56 Rating, Add</i>	791.07	
40 05 19 00-0634 EA 6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,167.23	319.44
<i>For Class 52 Rating, Deduct</i>	-295.15	
<i>For Class 54 Rating, Add</i>	408.29	
<i>For Class 55 Rating, Add</i>	609.97	
<i>For Class 56 Rating, Add</i>	808.97	
<b>40 05 19 00-0635 8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0636 EA 8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	983.95	267.18
<i>For Class 52 Rating, Deduct</i>	-63.71	
<i>For Class 54 Rating, Add</i>	91.73	
<i>For Class 55 Rating, Add</i>	138.86	
<i>For Class 56 Rating, Add</i>	185.42	
40 05 19 00-0637 EA 8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,071.08	270.08
<i>For Class 52 Rating, Deduct</i>	-72.81	
<i>For Class 54 Rating, Add</i>	104.19	
<i>For Class 55 Rating, Add</i>	157.42	
<i>For Class 56 Rating, Add</i>	209.98	
40 05 19 00-0638 EA 8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,158.22	272.98
<i>For Class 52 Rating, Deduct</i>	-81.91	
<i>For Class 54 Rating, Add</i>	116.65	
<i>For Class 55 Rating, Add</i>	175.97	
<i>For Class 56 Rating, Add</i>	234.55	
40 05 19 00-0639 EA 8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,245.35	275.89
<i>For Class 52 Rating, Deduct</i>	-91.01	
<i>For Class 54 Rating, Add</i>	129.12	
<i>For Class 55 Rating, Add</i>	194.53	
<i>For Class 56 Rating, Add</i>	259.11	
40 05 19 00-0640 EA 8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,332.48	278.79
<i>For Class 52 Rating, Deduct</i>	-100.11	
<i>For Class 54 Rating, Add</i>	141.58	
<i>For Class 55 Rating, Add</i>	213.08	
<i>For Class 56 Rating, Add</i>	283.68	
40 05 19 00-0641 EA 8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,419.62	281.70
<i>For Class 52 Rating, Deduct</i>	-109.21	
<i>For Class 54 Rating, Add</i>	154.04	
<i>For Class 55 Rating, Add</i>	231.64	
<i>For Class 56 Rating, Add</i>	308.24	
40 05 19 00-0642 EA 8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,506.75	284.60
<i>For Class 52 Rating, Deduct</i>	-118.31	
<i>For Class 54 Rating, Add</i>	166.51	
<i>For Class 55 Rating, Add</i>	250.19	
<i>For Class 56 Rating, Add</i>	332.81	
40 05 19 00-0643 EA 8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,593.89	287.50
<i>For Class 52 Rating, Deduct</i>	-127.41	
<i>For Class 54 Rating, Add</i>	178.97	
<i>For Class 55 Rating, Add</i>	268.75	
<i>For Class 56 Rating, Add</i>	357.37	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0644	EA		8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,681.02	290.41
			<i>For Class 52 Rating, Deduct</i>	-136.51	
			<i>For Class 54 Rating, Add</i>	191.43	
			<i>For Class 55 Rating, Add</i>	287.31	
			<i>For Class 56 Rating, Add</i>	381.94	
40 05 19 00-0645	EA		8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,768.16	293.32
			<i>For Class 52 Rating, Deduct</i>	-145.61	
			<i>For Class 54 Rating, Add</i>	203.90	
			<i>For Class 55 Rating, Add</i>	305.86	
			<i>For Class 56 Rating, Add</i>	406.51	
40 05 19 00-0646	EA		8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,855.29	296.21
			<i>For Class 52 Rating, Deduct</i>	-154.71	
			<i>For Class 54 Rating, Add</i>	216.36	
			<i>For Class 55 Rating, Add</i>	324.42	
			<i>For Class 56 Rating, Add</i>	431.07	
40 05 19 00-0647	EA		8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,942.42	299.12
			<i>For Class 52 Rating, Deduct</i>	-163.81	
			<i>For Class 54 Rating, Add</i>	228.82	
			<i>For Class 55 Rating, Add</i>	342.97	
			<i>For Class 56 Rating, Add</i>	455.63	
40 05 19 00-0648	EA		8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,029.56	302.03
			<i>For Class 52 Rating, Deduct</i>	-172.91	
			<i>For Class 54 Rating, Add</i>	241.28	
			<i>For Class 55 Rating, Add</i>	361.53	
			<i>For Class 56 Rating, Add</i>	480.20	
40 05 19 00-0649	EA		8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,116.69	304.93
			<i>For Class 52 Rating, Deduct</i>	-182.01	
			<i>For Class 54 Rating, Add</i>	253.75	
			<i>For Class 55 Rating, Add</i>	380.08	
			<i>For Class 56 Rating, Add</i>	504.76	
40 05 19 00-0650	EA		8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,203.83	307.83
			<i>For Class 52 Rating, Deduct</i>	-191.12	
			<i>For Class 54 Rating, Add</i>	266.21	
			<i>For Class 55 Rating, Add</i>	398.64	
			<i>For Class 56 Rating, Add</i>	529.33	
40 05 19 00-0651	EA		8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,290.96	310.73
			<i>For Class 52 Rating, Deduct</i>	-200.22	
			<i>For Class 54 Rating, Add</i>	278.67	
			<i>For Class 55 Rating, Add</i>	417.19	
			<i>For Class 56 Rating, Add</i>	553.89	
40 05 19 00-0652	EA		8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,378.09	313.64
			<i>For Class 52 Rating, Deduct</i>	-209.32	
			<i>For Class 54 Rating, Add</i>	291.13	
			<i>For Class 55 Rating, Add</i>	435.75	
			<i>For Class 56 Rating, Add</i>	578.46	
40 05 19 00-0653	EA		8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,465.23	316.55
			<i>For Class 52 Rating, Deduct</i>	-218.42	
			<i>For Class 54 Rating, Add</i>	303.60	
			<i>For Class 55 Rating, Add</i>	454.30	
			<i>For Class 56 Rating, Add</i>	603.02	
40 05 19 00-0654	EA		8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,552.36	319.44
			<i>For Class 52 Rating, Deduct</i>	-227.52	
			<i>For Class 54 Rating, Add</i>	316.06	
			<i>For Class 55 Rating, Add</i>	472.86	
			<i>For Class 56 Rating, Add</i>	627.59	
40 05 19 00-0655	EA		8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,639.50	322.35
			<i>For Class 52 Rating, Deduct</i>	-236.62	
			<i>For Class 54 Rating, Add</i>	328.52	
			<i>For Class 55 Rating, Add</i>	491.41	
			<i>For Class 56 Rating, Add</i>	652.15	
40 05 19 00-0656	EA		8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,726.63	325.26
			<i>For Class 52 Rating, Deduct</i>	-245.72	
			<i>For Class 54 Rating, Add</i>	340.99	
			<i>For Class 55 Rating, Add</i>	509.97	
			<i>For Class 56 Rating, Add</i>	676.72	
40 05 19 00-0657	EA		8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,813.76	328.16
			<i>For Class 52 Rating, Deduct</i>	-254.82	
			<i>For Class 54 Rating, Add</i>	353.45	
			<i>For Class 55 Rating, Add</i>	528.52	
			<i>For Class 56 Rating, Add</i>	701.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0658 EA 8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,900.90	331.06
<i>For Class 52 Rating, Deduct</i>	-263.92	
<i>For Class 54 Rating, Add</i>	365.91	
<i>For Class 55 Rating, Add</i>	547.08	
<i>For Class 56 Rating, Add</i>	725.85	
40 05 19 00-0659 EA 8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,988.03	333.97
<i>For Class 52 Rating, Deduct</i>	-273.02	
<i>For Class 54 Rating, Add</i>	378.38	
<i>For Class 55 Rating, Add</i>	565.63	
<i>For Class 56 Rating, Add</i>	750.41	
40 05 19 00-0660 EA 8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,075.17	336.87
<i>For Class 52 Rating, Deduct</i>	-282.12	
<i>For Class 54 Rating, Add</i>	390.84	
<i>For Class 55 Rating, Add</i>	584.19	
<i>For Class 56 Rating, Add</i>	774.98	
40 05 19 00-0661 EA 8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,162.30	339.78
<i>For Class 52 Rating, Deduct</i>	-291.22	
<i>For Class 54 Rating, Add</i>	403.30	
<i>For Class 55 Rating, Add</i>	602.75	
<i>For Class 56 Rating, Add</i>	799.54	
40 05 19 00-0662 EA 8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,249.43	342.68
<i>For Class 52 Rating, Deduct</i>	-300.32	
<i>For Class 54 Rating, Add</i>	415.76	
<i>For Class 55 Rating, Add</i>	621.30	
<i>For Class 56 Rating, Add</i>	824.11	
40 05 19 00-0663 EA 8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,336.57	345.58
<i>For Class 52 Rating, Deduct</i>	-309.43	
<i>For Class 54 Rating, Add</i>	428.23	
<i>For Class 55 Rating, Add</i>	639.86	
<i>For Class 56 Rating, Add</i>	848.67	
40 05 19 00-0664 EA 8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,423.71	348.49
<i>For Class 52 Rating, Deduct</i>	-318.53	
<i>For Class 54 Rating, Add</i>	440.69	
<i>For Class 55 Rating, Add</i>	658.41	
<i>For Class 56 Rating, Add</i>	873.24	
40 05 19 00-0665 EA 8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,510.84	351.40
<i>For Class 52 Rating, Deduct</i>	-327.63	
<i>For Class 54 Rating, Add</i>	453.15	
<i>For Class 55 Rating, Add</i>	676.97	
<i>For Class 56 Rating, Add</i>	897.80	
40 05 19 00-0666 EA 8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,597.98	354.30
<i>For Class 52 Rating, Deduct</i>	-336.73	
<i>For Class 54 Rating, Add</i>	465.62	
<i>For Class 55 Rating, Add</i>	695.52	
<i>For Class 56 Rating, Add</i>	922.37	
40 05 19 00-0667 EA 8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,685.11	357.20
<i>For Class 52 Rating, Deduct</i>	-345.83	
<i>For Class 54 Rating, Add</i>	478.08	
<i>For Class 55 Rating, Add</i>	714.08	
<i>For Class 56 Rating, Add</i>	946.93	
40 05 19 00-0668 EA 8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,772.25	360.11
<i>For Class 52 Rating, Deduct</i>	-354.93	
<i>For Class 54 Rating, Add</i>	490.54	
<i>For Class 55 Rating, Add</i>	732.63	
<i>For Class 56 Rating, Add</i>	971.50	
40 05 19 00-0669 EA 8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,859.37	363.01
<i>For Class 52 Rating, Deduct</i>	-364.03	
<i>For Class 54 Rating, Add</i>	503.00	
<i>For Class 55 Rating, Add</i>	751.19	
<i>For Class 56 Rating, Add</i>	996.06	
40 05 19 00-0670 EA 8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,946.52	365.92
<i>For Class 52 Rating, Deduct</i>	-373.13	
<i>For Class 54 Rating, Add</i>	515.47	
<i>For Class 55 Rating, Add</i>	769.74	
<i>For Class 56 Rating, Add</i>	1,020.63	
40 05 19 00-0671 EA 8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,033.64	368.81
<i>For Class 52 Rating, Deduct</i>	-382.23	
<i>For Class 54 Rating, Add</i>	527.93	
<i>For Class 55 Rating, Add</i>	788.30	
<i>For Class 56 Rating, Add</i>	1,045.19	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0672	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	4,120.79	371.72
		<i>For Class 52 Rating, Deduct</i>		-391.33	
		<i>For Class 54 Rating, Add</i>		540.39	
		<i>For Class 55 Rating, Add</i>		806.86	
		<i>For Class 56 Rating, Add</i>		1,069.76	
40 05 19 00-0673	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	4,207.91	374.63
		<i>For Class 52 Rating, Deduct</i>		-400.43	
		<i>For Class 54 Rating, Add</i>		552.86	
		<i>For Class 55 Rating, Add</i>		825.41	
		<i>For Class 56 Rating, Add</i>		1,094.32	
40 05 19 00-0674	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	4,295.05	377.53
		<i>For Class 52 Rating, Deduct</i>		-409.53	
		<i>For Class 54 Rating, Add</i>		565.32	
		<i>For Class 55 Rating, Add</i>		843.96	
		<i>For Class 56 Rating, Add</i>		1,118.89	
<b>40 05 19 00-0675 10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small></b>					
40 05 19 00-0676	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	1,233.66	325.26
		<i>For Class 52 Rating, Deduct</i>		-81.49	
		<i>For Class 54 Rating, Add</i>		117.04	
		<i>For Class 55 Rating, Add</i>		177.04	
		<i>For Class 56 Rating, Add</i>		236.29	
40 05 19 00-0677	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	1,347.11	328.16
		<i>For Class 52 Rating, Deduct</i>		-93.49	
		<i>For Class 54 Rating, Add</i>		133.45	
		<i>For Class 55 Rating, Add</i>		201.46	
		<i>For Class 56 Rating, Add</i>		268.62	
40 05 19 00-0678	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	1,460.57	331.06
		<i>For Class 52 Rating, Deduct</i>		-105.49	
		<i>For Class 54 Rating, Add</i>		149.86	
		<i>For Class 55 Rating, Add</i>		225.89	
		<i>For Class 56 Rating, Add</i>		300.95	
40 05 19 00-0679	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	1,574.03	333.97
		<i>For Class 52 Rating, Deduct</i>		-117.48	
		<i>For Class 54 Rating, Add</i>		166.28	
		<i>For Class 55 Rating, Add</i>		250.31	
		<i>For Class 56 Rating, Add</i>		333.28	
40 05 19 00-0680	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	1,687.49	336.87
		<i>For Class 52 Rating, Deduct</i>		-129.48	
		<i>For Class 54 Rating, Add</i>		182.69	
		<i>For Class 55 Rating, Add</i>		274.74	
		<i>For Class 56 Rating, Add</i>		365.61	
40 05 19 00-0681	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	1,800.95	339.78
		<i>For Class 52 Rating, Deduct</i>		-141.48	
		<i>For Class 54 Rating, Add</i>		199.10	
		<i>For Class 55 Rating, Add</i>		299.16	
		<i>For Class 56 Rating, Add</i>		397.94	
40 05 19 00-0682	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	1,914.41	342.68
		<i>For Class 52 Rating, Deduct</i>		-153.47	
		<i>For Class 54 Rating, Add</i>		215.51	
		<i>For Class 55 Rating, Add</i>		323.59	
		<i>For Class 56 Rating, Add</i>		430.28	
40 05 19 00-0683	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	2,027.87	345.58
		<i>For Class 52 Rating, Deduct</i>		-165.47	
		<i>For Class 54 Rating, Add</i>		231.92	
		<i>For Class 55 Rating, Add</i>		348.02	
		<i>For Class 56 Rating, Add</i>		462.61	
40 05 19 00-0684	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	2,141.33	348.49
		<i>For Class 52 Rating, Deduct</i>		-177.46	
		<i>For Class 54 Rating, Add</i>		248.33	
		<i>For Class 55 Rating, Add</i>		372.44	
		<i>For Class 56 Rating, Add</i>		494.94	
40 05 19 00-0685	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	2,254.78	351.40
		<i>For Class 52 Rating, Deduct</i>		-189.46	
		<i>For Class 54 Rating, Add</i>		264.74	
		<i>For Class 55 Rating, Add</i>		396.87	
		<i>For Class 56 Rating, Add</i>		527.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0686 EA 10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,368.25	354.30
<i>For Class 52 Rating, Deduct</i>	-201.46	
<i>For Class 54 Rating, Add</i>	281.16	
<i>For Class 55 Rating, Add</i>	421.29	
<i>For Class 56 Rating, Add</i>	559.60	
40 05 19 00-0687 EA 10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,481.70	357.20
<i>For Class 52 Rating, Deduct</i>	-213.45	
<i>For Class 54 Rating, Add</i>	297.57	
<i>For Class 55 Rating, Add</i>	445.72	
<i>For Class 56 Rating, Add</i>	591.93	
40 05 19 00-0688 EA 10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,595.17	360.11
<i>For Class 52 Rating, Deduct</i>	-225.45	
<i>For Class 54 Rating, Add</i>	313.98	
<i>For Class 55 Rating, Add</i>	470.14	
<i>For Class 56 Rating, Add</i>	624.26	
40 05 19 00-0689 EA 10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,708.62	363.01
<i>For Class 52 Rating, Deduct</i>	-237.45	
<i>For Class 54 Rating, Add</i>	330.39	
<i>For Class 55 Rating, Add</i>	494.57	
<i>For Class 56 Rating, Add</i>	656.59	
40 05 19 00-0690 EA 10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,822.09	365.92
<i>For Class 52 Rating, Deduct</i>	-249.44	
<i>For Class 54 Rating, Add</i>	346.80	
<i>For Class 55 Rating, Add</i>	519.00	
<i>For Class 56 Rating, Add</i>	688.92	
40 05 19 00-0691 EA 10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,935.53	368.81
<i>For Class 52 Rating, Deduct</i>	-261.44	
<i>For Class 54 Rating, Add</i>	363.21	
<i>For Class 55 Rating, Add</i>	543.42	
<i>For Class 56 Rating, Add</i>	721.25	
40 05 19 00-0692 EA 10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,049.00	371.72
<i>For Class 52 Rating, Deduct</i>	-273.44	
<i>For Class 54 Rating, Add</i>	379.63	
<i>For Class 55 Rating, Add</i>	567.85	
<i>For Class 56 Rating, Add</i>	753.58	
40 05 19 00-0693 EA 10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,162.45	374.63
<i>For Class 52 Rating, Deduct</i>	-285.43	
<i>For Class 54 Rating, Add</i>	396.04	
<i>For Class 55 Rating, Add</i>	592.27	
<i>For Class 56 Rating, Add</i>	785.91	
40 05 19 00-0694 EA 10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,275.92	377.53
<i>For Class 52 Rating, Deduct</i>	-297.43	
<i>For Class 54 Rating, Add</i>	412.45	
<i>For Class 55 Rating, Add</i>	616.70	
<i>For Class 56 Rating, Add</i>	818.24	
40 05 19 00-0695 EA 10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,389.37	380.43
<i>For Class 52 Rating, Deduct</i>	-309.43	
<i>For Class 54 Rating, Add</i>	428.86	
<i>For Class 55 Rating, Add</i>	641.12	
<i>For Class 56 Rating, Add</i>	850.57	
40 05 19 00-0696 EA 10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,502.84	383.34
<i>For Class 52 Rating, Deduct</i>	-321.42	
<i>For Class 54 Rating, Add</i>	445.27	
<i>For Class 55 Rating, Add</i>	665.55	
<i>For Class 56 Rating, Add</i>	882.91	
40 05 19 00-0697 EA 10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,616.29	386.24
<i>For Class 52 Rating, Deduct</i>	-333.42	
<i>For Class 54 Rating, Add</i>	461.68	
<i>For Class 55 Rating, Add</i>	689.98	
<i>For Class 56 Rating, Add</i>	915.24	
40 05 19 00-0698 EA 10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,729.75	389.15
<i>For Class 52 Rating, Deduct</i>	-345.41	
<i>For Class 54 Rating, Add</i>	478.09	
<i>For Class 55 Rating, Add</i>	714.40	
<i>For Class 56 Rating, Add</i>	947.56	
40 05 19 00-0699 EA 10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,843.20	392.05
<i>For Class 52 Rating, Deduct</i>	-357.41	
<i>For Class 54 Rating, Add</i>	494.51	
<i>For Class 55 Rating, Add</i>	738.83	
<i>For Class 56 Rating, Add</i>	979.90	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0700	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,956.67	394.95
		<i>For Class 52 Rating, Deduct</i>		-369.41	
		<i>For Class 54 Rating, Add</i>		510.92	
		<i>For Class 55 Rating, Add</i>		763.25	
		<i>For Class 56 Rating, Add</i>		1,012.23	
40 05 19 00-0701	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,070.12	397.86
		<i>For Class 52 Rating, Deduct</i>		-381.40	
		<i>For Class 54 Rating, Add</i>		527.33	
		<i>For Class 55 Rating, Add</i>		787.68	
		<i>For Class 56 Rating, Add</i>		1,044.56	
40 05 19 00-0702	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,183.59	400.77
		<i>For Class 52 Rating, Deduct</i>		-393.40	
		<i>For Class 54 Rating, Add</i>		543.74	
		<i>For Class 55 Rating, Add</i>		812.10	
		<i>For Class 56 Rating, Add</i>		1,076.89	
40 05 19 00-0703	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,297.04	403.66
		<i>For Class 52 Rating, Deduct</i>		-405.40	
		<i>For Class 54 Rating, Add</i>		560.15	
		<i>For Class 55 Rating, Add</i>		836.53	
		<i>For Class 56 Rating, Add</i>		1,109.22	
40 05 19 00-0704	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,410.51	406.57
		<i>For Class 52 Rating, Deduct</i>		-417.39	
		<i>For Class 54 Rating, Add</i>		576.57	
		<i>For Class 55 Rating, Add</i>		860.96	
		<i>For Class 56 Rating, Add</i>		1,141.55	
40 05 19 00-0705	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,523.95	409.48
		<i>For Class 52 Rating, Deduct</i>		-429.39	
		<i>For Class 54 Rating, Add</i>		592.98	
		<i>For Class 55 Rating, Add</i>		885.38	
		<i>For Class 56 Rating, Add</i>		1,173.88	
40 05 19 00-0706	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,637.42	412.38
		<i>For Class 52 Rating, Deduct</i>		-441.39	
		<i>For Class 54 Rating, Add</i>		609.39	
		<i>For Class 55 Rating, Add</i>		909.81	
		<i>For Class 56 Rating, Add</i>		1,206.21	
40 05 19 00-0707	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,750.87	415.28
		<i>For Class 52 Rating, Deduct</i>		-453.38	
		<i>For Class 54 Rating, Add</i>		625.80	
		<i>For Class 55 Rating, Add</i>		934.23	
		<i>For Class 56 Rating, Add</i>		1,238.54	
40 05 19 00-0708	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,864.34	418.19
		<i>For Class 52 Rating, Deduct</i>		-465.38	
		<i>For Class 54 Rating, Add</i>		642.21	
		<i>For Class 55 Rating, Add</i>		958.66	
		<i>For Class 56 Rating, Add</i>		1,270.87	
40 05 19 00-0709	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,977.79	421.09
		<i>For Class 52 Rating, Deduct</i>		-477.38	
		<i>For Class 54 Rating, Add</i>		658.62	
		<i>For Class 55 Rating, Add</i>		983.08	
		<i>For Class 56 Rating, Add</i>		1,303.20	
40 05 19 00-0710	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,091.26	424.00
		<i>For Class 52 Rating, Deduct</i>		-489.37	
		<i>For Class 54 Rating, Add</i>		675.04	
		<i>For Class 55 Rating, Add</i>		1,007.51	
		<i>For Class 56 Rating, Add</i>		1,335.53	
40 05 19 00-0711	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,204.71	426.89
		<i>For Class 52 Rating, Deduct</i>		-501.37	
		<i>For Class 54 Rating, Add</i>		691.45	
		<i>For Class 55 Rating, Add</i>		1,031.94	
		<i>For Class 56 Rating, Add</i>		1,367.87	
40 05 19 00-0712	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,318.17	429.80
		<i>For Class 52 Rating, Deduct</i>		-513.36	
		<i>For Class 54 Rating, Add</i>		707.86	
		<i>For Class 55 Rating, Add</i>		1,056.36	
		<i>For Class 56 Rating, Add</i>		1,400.19	
40 05 19 00-0713	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,431.62	432.71
		<i>For Class 52 Rating, Deduct</i>		-525.36	
		<i>For Class 54 Rating, Add</i>		724.27	
		<i>For Class 55 Rating, Add</i>		1,080.78	
		<i>For Class 56 Rating, Add</i>		1,432.52	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0714 EA 10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,545.09	435.61
For Class 52 Rating, Deduct	-537.36	
For Class 54 Rating, Add	740.68	
For Class 55 Rating, Add	1,105.21	
For Class 56 Rating, Add	1,464.86	
<b>40 05 19 00-0715 12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0716 EA 12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,597.55	406.57
For Class 52 Rating, Deduct	-107.97	
For Class 54 Rating, Add	154.62	
For Class 55 Rating, Add	233.67	
For Class 56 Rating, Add	311.73	
40 05 19 00-0717 EA 12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,739.20	409.48
For Class 52 Rating, Deduct	-123.07	
For Class 54 Rating, Add	175.26	
For Class 55 Rating, Add	264.38	
For Class 56 Rating, Add	352.38	
40 05 19 00-0718 EA 12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,880.87	412.38
For Class 52 Rating, Deduct	-138.17	
For Class 54 Rating, Add	195.91	
For Class 55 Rating, Add	295.09	
For Class 56 Rating, Add	393.03	
40 05 19 00-0719 EA 12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,022.53	415.28
For Class 52 Rating, Deduct	-153.27	
For Class 54 Rating, Add	216.55	
For Class 55 Rating, Add	325.81	
For Class 56 Rating, Add	433.68	
40 05 19 00-0720 EA 12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,164.20	418.19
For Class 52 Rating, Deduct	-168.36	
For Class 54 Rating, Add	237.19	
For Class 55 Rating, Add	356.53	
For Class 56 Rating, Add	474.33	
40 05 19 00-0721 EA 12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,305.85	421.09
For Class 52 Rating, Deduct	-183.46	
For Class 54 Rating, Add	257.83	
For Class 55 Rating, Add	387.24	
For Class 56 Rating, Add	514.98	
40 05 19 00-0722 EA 12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,447.53	424.00
For Class 52 Rating, Deduct	-198.56	
For Class 54 Rating, Add	278.48	
For Class 55 Rating, Add	417.96	
For Class 56 Rating, Add	555.63	
40 05 19 00-0723 EA 12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,589.18	426.89
For Class 52 Rating, Deduct	-213.66	
For Class 54 Rating, Add	299.12	
For Class 55 Rating, Add	448.67	
For Class 56 Rating, Add	596.28	
40 05 19 00-0724 EA 12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,730.85	429.80
For Class 52 Rating, Deduct	-228.76	
For Class 54 Rating, Add	319.76	
For Class 55 Rating, Add	479.39	
For Class 56 Rating, Add	636.93	
40 05 19 00-0725 EA 12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,872.51	432.71
For Class 52 Rating, Deduct	-243.86	
For Class 54 Rating, Add	340.40	
For Class 55 Rating, Add	510.10	
For Class 56 Rating, Add	677.59	
40 05 19 00-0726 EA 12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,014.18	435.61
For Class 52 Rating, Deduct	-258.96	
For Class 54 Rating, Add	361.04	
For Class 55 Rating, Add	540.82	
For Class 56 Rating, Add	718.24	
40 05 19 00-0727 EA 12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,155.83	438.51
For Class 52 Rating, Deduct	-274.06	
For Class 54 Rating, Add	381.69	
For Class 55 Rating, Add	571.53	
For Class 56 Rating, Add	758.89	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0728	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,297.51	441.42
		<i>For Class 52 Rating, Deduct</i>		-289.16	
		<i>For Class 54 Rating, Add</i>		402.33	
		<i>For Class 55 Rating, Add</i>		602.25	
		<i>For Class 56 Rating, Add</i>		799.54	
40 05 19 00-0729	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,439.16	444.32
		<i>For Class 52 Rating, Deduct</i>		-304.25	
		<i>For Class 54 Rating, Add</i>		422.97	
		<i>For Class 55 Rating, Add</i>		632.96	
		<i>For Class 56 Rating, Add</i>		840.19	
40 05 19 00-0730	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,580.83	447.23
		<i>For Class 52 Rating, Deduct</i>		-319.35	
		<i>For Class 54 Rating, Add</i>		443.61	
		<i>For Class 55 Rating, Add</i>		663.68	
		<i>For Class 56 Rating, Add</i>		880.84	
40 05 19 00-0731	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,722.49	450.14
		<i>For Class 52 Rating, Deduct</i>		-334.45	
		<i>For Class 54 Rating, Add</i>		464.26	
		<i>For Class 55 Rating, Add</i>		694.40	
		<i>For Class 56 Rating, Add</i>		921.49	
40 05 19 00-0732	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,864.16	453.03
		<i>For Class 52 Rating, Deduct</i>		-349.55	
		<i>For Class 54 Rating, Add</i>		484.90	
		<i>For Class 55 Rating, Add</i>		725.11	
		<i>For Class 56 Rating, Add</i>		962.14	
40 05 19 00-0733	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,005.81	455.94
		<i>For Class 52 Rating, Deduct</i>		-364.65	
		<i>For Class 54 Rating, Add</i>		505.54	
		<i>For Class 55 Rating, Add</i>		755.82	
		<i>For Class 56 Rating, Add</i>		1,002.79	
40 05 19 00-0734	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,147.49	458.85
		<i>For Class 52 Rating, Deduct</i>		-379.75	
		<i>For Class 54 Rating, Add</i>		526.18	
		<i>For Class 55 Rating, Add</i>		786.54	
		<i>For Class 56 Rating, Add</i>		1,043.45	
40 05 19 00-0735	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,289.14	461.75
		<i>For Class 52 Rating, Deduct</i>		-394.85	
		<i>For Class 54 Rating, Add</i>		546.82	
		<i>For Class 55 Rating, Add</i>		817.26	
		<i>For Class 56 Rating, Add</i>		1,084.10	
40 05 19 00-0736	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,430.81	464.65
		<i>For Class 52 Rating, Deduct</i>		-409.95	
		<i>For Class 54 Rating, Add</i>		567.47	
		<i>For Class 55 Rating, Add</i>		847.97	
		<i>For Class 56 Rating, Add</i>		1,124.75	
40 05 19 00-0737	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,572.48	467.56
		<i>For Class 52 Rating, Deduct</i>		-425.05	
		<i>For Class 54 Rating, Add</i>		588.11	
		<i>For Class 55 Rating, Add</i>		878.69	
		<i>For Class 56 Rating, Add</i>		1,165.40	
40 05 19 00-0738	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,714.14	470.46
		<i>For Class 52 Rating, Deduct</i>		-440.15	
		<i>For Class 54 Rating, Add</i>		608.75	
		<i>For Class 55 Rating, Add</i>		909.40	
		<i>For Class 56 Rating, Add</i>		1,206.05	
40 05 19 00-0739	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,855.80	473.37
		<i>For Class 52 Rating, Deduct</i>		-455.24	
		<i>For Class 54 Rating, Add</i>		629.39	
		<i>For Class 55 Rating, Add</i>		940.12	
		<i>For Class 56 Rating, Add</i>		1,246.70	
40 05 19 00-0740	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,997.47	476.26
		<i>For Class 52 Rating, Deduct</i>		-470.34	
		<i>For Class 54 Rating, Add</i>		650.04	
		<i>For Class 55 Rating, Add</i>		970.83	
		<i>For Class 56 Rating, Add</i>		1,287.35	
40 05 19 00-0741	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,139.13	479.17
		<i>For Class 52 Rating, Deduct</i>		-485.44	
		<i>For Class 54 Rating, Add</i>		670.68	
		<i>For Class 55 Rating, Add</i>		1,001.55	
		<i>For Class 56 Rating, Add</i>		1,328.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0742 EA 12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,280.79	482.08
<i>For Class 52 Rating, Deduct</i>	-500.54	
<i>For Class 54 Rating, Add</i>	691.32	
<i>For Class 55 Rating, Add</i>	1,032.26	
<i>For Class 56 Rating, Add</i>	1,368.65	
40 05 19 00-0743 EA 12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,422.46	484.98
<i>For Class 52 Rating, Deduct</i>	-515.64	
<i>For Class 54 Rating, Add</i>	711.96	
<i>For Class 55 Rating, Add</i>	1,062.98	
<i>For Class 56 Rating, Add</i>	1,409.31	
40 05 19 00-0744 EA 12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,564.12	487.88
<i>For Class 52 Rating, Deduct</i>	-530.74	
<i>For Class 54 Rating, Add</i>	732.61	
<i>For Class 55 Rating, Add</i>	1,093.69	
<i>For Class 56 Rating, Add</i>	1,449.96	
40 05 19 00-0745 EA 12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,705.78	490.79
<i>For Class 52 Rating, Deduct</i>	-545.84	
<i>For Class 54 Rating, Add</i>	753.25	
<i>For Class 55 Rating, Add</i>	1,124.41	
<i>For Class 56 Rating, Add</i>	1,490.61	
40 05 19 00-0746 EA 12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,847.45	493.69
<i>For Class 52 Rating, Deduct</i>	-560.94	
<i>For Class 54 Rating, Add</i>	773.89	
<i>For Class 55 Rating, Add</i>	1,155.13	
<i>For Class 56 Rating, Add</i>	1,531.26	
40 05 19 00-0747 EA 12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,989.11	496.60
<i>For Class 52 Rating, Deduct</i>	-576.04	
<i>For Class 54 Rating, Add</i>	794.53	
<i>For Class 55 Rating, Add</i>	1,185.84	
<i>For Class 56 Rating, Add</i>	1,571.91	
40 05 19 00-0748 EA 12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,130.77	499.50
<i>For Class 52 Rating, Deduct</i>	-591.13	
<i>For Class 54 Rating, Add</i>	815.17	
<i>For Class 55 Rating, Add</i>	1,216.55	
<i>For Class 56 Rating, Add</i>	1,612.56	
40 05 19 00-0749 EA 12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,272.44	502.40
<i>For Class 52 Rating, Deduct</i>	-606.23	
<i>For Class 54 Rating, Add</i>	835.82	
<i>For Class 55 Rating, Add</i>	1,247.27	
<i>For Class 56 Rating, Add</i>	1,653.21	
40 05 19 00-0750 EA 12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,414.10	505.31
<i>For Class 52 Rating, Deduct</i>	-621.33	
<i>For Class 54 Rating, Add</i>	856.46	
<i>For Class 55 Rating, Add</i>	1,277.99	
<i>For Class 56 Rating, Add</i>	1,693.86	
40 05 19 00-0751 EA 12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,555.76	508.22
<i>For Class 52 Rating, Deduct</i>	-636.43	
<i>For Class 54 Rating, Add</i>	877.10	
<i>For Class 55 Rating, Add</i>	1,308.70	
<i>For Class 56 Rating, Add</i>	1,734.51	
40 05 19 00-0752 EA 12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,697.43	511.11
<i>For Class 52 Rating, Deduct</i>	-651.53	
<i>For Class 54 Rating, Add</i>	897.74	
<i>For Class 55 Rating, Add</i>	1,339.42	
<i>For Class 56 Rating, Add</i>	1,775.17	
40 05 19 00-0753 EA 12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,839.09	514.02
<i>For Class 52 Rating, Deduct</i>	-666.63	
<i>For Class 54 Rating, Add</i>	918.39	
<i>For Class 55 Rating, Add</i>	1,370.13	
<i>For Class 56 Rating, Add</i>	1,815.82	
40 05 19 00-0754 EA 12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,980.75	516.93
<i>For Class 52 Rating, Deduct</i>	-681.73	
<i>For Class 54 Rating, Add</i>	939.03	
<i>For Class 55 Rating, Add</i>	1,400.85	
<i>For Class 56 Rating, Add</i>	1,856.47	

40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0756	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,205.87	487.88
		<i>For Class 52 Rating, Deduct</i>		-161.33	
		<i>For Class 54 Rating, Add</i>		228.87	
		<i>For Class 55 Rating, Add</i>		344.80	
		<i>For Class 56 Rating, Add</i>		459.27	
40 05 19 00-0757	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,377.62	490.79
		<i>For Class 52 Rating, Deduct</i>		-179.74	
		<i>For Class 54 Rating, Add</i>		254.02	
		<i>For Class 55 Rating, Add</i>		382.23	
		<i>For Class 56 Rating, Add</i>		508.80	
40 05 19 00-0758	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,549.37	493.69
		<i>For Class 52 Rating, Deduct</i>		-198.15	
		<i>For Class 54 Rating, Add</i>		279.18	
		<i>For Class 55 Rating, Add</i>		419.65	
		<i>For Class 56 Rating, Add</i>		558.33	
40 05 19 00-0759	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,721.12	496.60
		<i>For Class 52 Rating, Deduct</i>		-216.56	
		<i>For Class 54 Rating, Add</i>		304.33	
		<i>For Class 55 Rating, Add</i>		457.08	
		<i>For Class 56 Rating, Add</i>		607.85	
40 05 19 00-0760	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,892.86	499.50
		<i>For Class 52 Rating, Deduct</i>		-234.96	
		<i>For Class 54 Rating, Add</i>		329.49	
		<i>For Class 55 Rating, Add</i>		494.50	
		<i>For Class 56 Rating, Add</i>		657.38	
40 05 19 00-0761	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,064.61	502.40
		<i>For Class 52 Rating, Deduct</i>		-253.37	
		<i>For Class 54 Rating, Add</i>		354.64	
		<i>For Class 55 Rating, Add</i>		531.93	
		<i>For Class 56 Rating, Add</i>		706.90	
40 05 19 00-0762	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,236.36	505.31
		<i>For Class 52 Rating, Deduct</i>		-271.78	
		<i>For Class 54 Rating, Add</i>		379.80	
		<i>For Class 55 Rating, Add</i>		569.35	
		<i>For Class 56 Rating, Add</i>		756.43	
40 05 19 00-0763	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,408.11	508.22
		<i>For Class 52 Rating, Deduct</i>		-290.19	
		<i>For Class 54 Rating, Add</i>		404.95	
		<i>For Class 55 Rating, Add</i>		606.77	
		<i>For Class 56 Rating, Add</i>		805.96	
40 05 19 00-0764	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,579.86	511.11
		<i>For Class 52 Rating, Deduct</i>		-308.60	
		<i>For Class 54 Rating, Add</i>		430.11	
		<i>For Class 55 Rating, Add</i>		644.20	
		<i>For Class 56 Rating, Add</i>		855.48	
40 05 19 00-0765	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,751.61	514.02
		<i>For Class 52 Rating, Deduct</i>		-327.01	
		<i>For Class 54 Rating, Add</i>		455.26	
		<i>For Class 55 Rating, Add</i>		681.62	
		<i>For Class 56 Rating, Add</i>		905.01	
40 05 19 00-0766	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,923.35	516.93
		<i>For Class 52 Rating, Deduct</i>		-345.41	
		<i>For Class 54 Rating, Add</i>		480.42	
		<i>For Class 55 Rating, Add</i>		719.05	
		<i>For Class 56 Rating, Add</i>		954.53	
40 05 19 00-0767	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,095.10	519.83
		<i>For Class 52 Rating, Deduct</i>		-363.82	
		<i>For Class 54 Rating, Add</i>		505.57	
		<i>For Class 55 Rating, Add</i>		756.47	
		<i>For Class 56 Rating, Add</i>		1,004.06	
40 05 19 00-0768	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,266.85	522.73
		<i>For Class 52 Rating, Deduct</i>		-382.23	
		<i>For Class 54 Rating, Add</i>		530.73	
		<i>For Class 55 Rating, Add</i>		793.90	
		<i>For Class 56 Rating, Add</i>		1,053.59	
40 05 19 00-0769	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,438.60	525.64
		<i>For Class 52 Rating, Deduct</i>		-400.64	
		<i>For Class 54 Rating, Add</i>		555.88	
		<i>For Class 55 Rating, Add</i>		831.32	
		<i>For Class 56 Rating, Add</i>		1,103.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0770 EA 14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,610.35	528.54
<i>For Class 52 Rating, Deduct</i>	-419.05	
<i>For Class 54 Rating, Add</i>	581.04	
<i>For Class 55 Rating, Add</i>	868.74	
<i>For Class 56 Rating, Add</i>	1,152.64	
40 05 19 00-0771 EA 14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,782.10	531.45
<i>For Class 52 Rating, Deduct</i>	-437.46	
<i>For Class 54 Rating, Add</i>	606.19	
<i>For Class 55 Rating, Add</i>	906.17	
<i>For Class 56 Rating, Add</i>	1,202.17	
40 05 19 00-0772 EA 14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,953.85	534.35
<i>For Class 52 Rating, Deduct</i>	-455.87	
<i>For Class 54 Rating, Add</i>	631.35	
<i>For Class 55 Rating, Add</i>	943.59	
<i>For Class 56 Rating, Add</i>	1,251.69	
40 05 19 00-0773 EA 14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,125.59	537.25
<i>For Class 52 Rating, Deduct</i>	-474.27	
<i>For Class 54 Rating, Add</i>	656.50	
<i>For Class 55 Rating, Add</i>	981.02	
<i>For Class 56 Rating, Add</i>	1,301.22	
40 05 19 00-0774 EA 14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,297.34	540.16
<i>For Class 52 Rating, Deduct</i>	-492.68	
<i>For Class 54 Rating, Add</i>	681.66	
<i>For Class 55 Rating, Add</i>	1,018.44	
<i>For Class 56 Rating, Add</i>	1,350.74	
40 05 19 00-0775 EA 14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,469.09	543.06
<i>For Class 52 Rating, Deduct</i>	-511.09	
<i>For Class 54 Rating, Add</i>	706.81	
<i>For Class 55 Rating, Add</i>	1,055.87	
<i>For Class 56 Rating, Add</i>	1,400.27	
40 05 19 00-0776 EA 14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,640.84	545.97
<i>For Class 52 Rating, Deduct</i>	-529.50	
<i>For Class 54 Rating, Add</i>	731.97	
<i>For Class 55 Rating, Add</i>	1,093.29	
<i>For Class 56 Rating, Add</i>	1,449.80	
40 05 19 00-0777 EA 14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,812.59	548.87
<i>For Class 52 Rating, Deduct</i>	-547.91	
<i>For Class 54 Rating, Add</i>	757.12	
<i>For Class 55 Rating, Add</i>	1,130.72	
<i>For Class 56 Rating, Add</i>	1,499.32	
40 05 19 00-0778 EA 14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,984.34	551.77
<i>For Class 52 Rating, Deduct</i>	-566.32	
<i>For Class 54 Rating, Add</i>	782.28	
<i>For Class 55 Rating, Add</i>	1,168.14	
<i>For Class 56 Rating, Add</i>	1,548.85	
40 05 19 00-0779 EA 14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,156.08	554.68
<i>For Class 52 Rating, Deduct</i>	-584.72	
<i>For Class 54 Rating, Add</i>	807.43	
<i>For Class 55 Rating, Add</i>	1,205.56	
<i>For Class 56 Rating, Add</i>	1,598.37	
40 05 19 00-0780 EA 14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,327.83	557.59
<i>For Class 52 Rating, Deduct</i>	-603.13	
<i>For Class 54 Rating, Add</i>	832.59	
<i>For Class 55 Rating, Add</i>	1,242.99	
<i>For Class 56 Rating, Add</i>	1,647.90	
40 05 19 00-0781 EA 14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,499.58	560.48
<i>For Class 52 Rating, Deduct</i>	-621.54	
<i>For Class 54 Rating, Add</i>	857.74	
<i>For Class 55 Rating, Add</i>	1,280.41	
<i>For Class 56 Rating, Add</i>	1,697.43	
40 05 19 00-0782 EA 14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,671.33	563.39
<i>For Class 52 Rating, Deduct</i>	-639.95	
<i>For Class 54 Rating, Add</i>	882.90	
<i>For Class 55 Rating, Add</i>	1,317.84	
<i>For Class 56 Rating, Add</i>	1,746.95	
40 05 19 00-0783 EA 14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,843.08	566.30
<i>For Class 52 Rating, Deduct</i>	-658.36	
<i>For Class 54 Rating, Add</i>	908.06	
<i>For Class 55 Rating, Add</i>	1,355.26	
<i>For Class 56 Rating, Add</i>	1,796.48	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0784	EA		14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,014.83	569.20
			<i>For Class 52 Rating, Deduct</i>	-676.77	
			<i>For Class 54 Rating, Add</i>	933.21	
			<i>For Class 55 Rating, Add</i>	1,392.69	
			<i>For Class 56 Rating, Add</i>	1,846.01	
40 05 19 00-0785	EA		14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,186.58	572.10
			<i>For Class 52 Rating, Deduct</i>	-695.17	
			<i>For Class 54 Rating, Add</i>	958.37	
			<i>For Class 55 Rating, Add</i>	1,430.11	
			<i>For Class 56 Rating, Add</i>	1,895.53	
40 05 19 00-0786	EA		14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,358.32	575.01
			<i>For Class 52 Rating, Deduct</i>	-713.58	
			<i>For Class 54 Rating, Add</i>	983.52	
			<i>For Class 55 Rating, Add</i>	1,467.53	
			<i>For Class 56 Rating, Add</i>	1,945.06	
40 05 19 00-0787	EA		14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,530.07	577.91
			<i>For Class 52 Rating, Deduct</i>	-731.99	
			<i>For Class 54 Rating, Add</i>	1,008.67	
			<i>For Class 55 Rating, Add</i>	1,504.96	
			<i>For Class 56 Rating, Add</i>	1,994.59	
40 05 19 00-0788	EA		14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,701.82	580.82
			<i>For Class 52 Rating, Deduct</i>	-750.40	
			<i>For Class 54 Rating, Add</i>	1,033.83	
			<i>For Class 55 Rating, Add</i>	1,542.38	
			<i>For Class 56 Rating, Add</i>	2,044.11	
40 05 19 00-0789	EA		14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,873.57	583.72
			<i>For Class 52 Rating, Deduct</i>	-768.81	
			<i>For Class 54 Rating, Add</i>	1,058.99	
			<i>For Class 55 Rating, Add</i>	1,579.81	
			<i>For Class 56 Rating, Add</i>	2,093.64	
40 05 19 00-0790	EA		14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,045.33	586.62
			<i>For Class 52 Rating, Deduct</i>	-787.22	
			<i>For Class 54 Rating, Add</i>	1,084.14	
			<i>For Class 55 Rating, Add</i>	1,617.23	
			<i>For Class 56 Rating, Add</i>	2,143.17	
40 05 19 00-0791	EA		14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,217.07	589.53
			<i>For Class 52 Rating, Deduct</i>	-805.62	
			<i>For Class 54 Rating, Add</i>	1,109.30	
			<i>For Class 55 Rating, Add</i>	1,654.66	
			<i>For Class 56 Rating, Add</i>	2,192.69	
40 05 19 00-0792	EA		14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,388.82	592.43
			<i>For Class 52 Rating, Deduct</i>	-824.03	
			<i>For Class 54 Rating, Add</i>	1,134.45	
			<i>For Class 55 Rating, Add</i>	1,692.08	
			<i>For Class 56 Rating, Add</i>	2,242.22	
40 05 19 00-0793	EA		14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,560.56	595.33
			<i>For Class 52 Rating, Deduct</i>	-842.44	
			<i>For Class 54 Rating, Add</i>	1,159.61	
			<i>For Class 55 Rating, Add</i>	1,729.50	
			<i>For Class 56 Rating, Add</i>	2,291.74	
40 05 19 00-0794			16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0795	EA		16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,580.36	557.59
			<i>For Class 52 Rating, Deduct</i>	-190.91	
			<i>For Class 54 Rating, Add</i>	270.47	
			<i>For Class 55 Rating, Add</i>	407.30	
			<i>For Class 56 Rating, Add</i>	542.40	
40 05 19 00-0796	EA		16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,780.31	560.48
			<i>For Class 52 Rating, Deduct</i>	-212.42	
			<i>For Class 54 Rating, Add</i>	299.85	
			<i>For Class 55 Rating, Add</i>	451.01	
			<i>For Class 56 Rating, Add</i>	600.24	
40 05 19 00-0797	EA		16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,980.26	563.39
			<i>For Class 52 Rating, Deduct</i>	-233.93	
			<i>For Class 54 Rating, Add</i>	329.24	
			<i>For Class 55 Rating, Add</i>	494.73	
			<i>For Class 56 Rating, Add</i>	658.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0798 EA 16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,180.22	566.30
<i>For Class 52 Rating, Deduct</i>	-255.44	
<i>For Class 54 Rating, Add</i>	358.63	
<i>For Class 55 Rating, Add</i>	538.44	
<i>For Class 56 Rating, Add</i>	715.94	
40 05 19 00-0799 EA 16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,380.17	569.20
<i>For Class 52 Rating, Deduct</i>	-276.95	
<i>For Class 54 Rating, Add</i>	388.01	
<i>For Class 55 Rating, Add</i>	582.16	
<i>For Class 56 Rating, Add</i>	773.78	
40 05 19 00-0800 EA 16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,580.12	572.10
<i>For Class 52 Rating, Deduct</i>	-298.46	
<i>For Class 54 Rating, Add</i>	417.40	
<i>For Class 55 Rating, Add</i>	625.87	
<i>For Class 56 Rating, Add</i>	831.63	
40 05 19 00-0801 EA 16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,780.08	575.01
<i>For Class 52 Rating, Deduct</i>	-319.97	
<i>For Class 54 Rating, Add</i>	446.78	
<i>For Class 55 Rating, Add</i>	669.59	
<i>For Class 56 Rating, Add</i>	889.48	
40 05 19 00-0802 EA 16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,980.03	577.91
<i>For Class 52 Rating, Deduct</i>	-341.49	
<i>For Class 54 Rating, Add</i>	476.17	
<i>For Class 55 Rating, Add</i>	713.30	
<i>For Class 56 Rating, Add</i>	947.32	
40 05 19 00-0803 EA 16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,179.98	580.82
<i>For Class 52 Rating, Deduct</i>	-363.00	
<i>For Class 54 Rating, Add</i>	505.55	
<i>For Class 55 Rating, Add</i>	757.01	
<i>For Class 56 Rating, Add</i>	1,005.17	
40 05 19 00-0804 EA 16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,361.13	583.72
<i>For Class 52 Rating, Deduct</i>	-382.44	
<i>For Class 54 Rating, Add</i>	532.12	
<i>For Class 55 Rating, Add</i>	796.53	
<i>For Class 56 Rating, Add</i>	1,057.47	
40 05 19 00-0805 EA 16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,579.90	586.62
<i>For Class 52 Rating, Deduct</i>	-406.02	
<i>For Class 54 Rating, Add</i>	564.33	
<i>For Class 55 Rating, Add</i>	844.44	
<i>For Class 56 Rating, Add</i>	1,120.86	
40 05 19 00-0806 EA 16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,779.84	589.53
<i>For Class 52 Rating, Deduct</i>	-427.53	
<i>For Class 54 Rating, Add</i>	593.71	
<i>For Class 55 Rating, Add</i>	888.15	
<i>For Class 56 Rating, Add</i>	1,178.71	
40 05 19 00-0807 EA 16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,979.80	592.43
<i>For Class 52 Rating, Deduct</i>	-449.04	
<i>For Class 54 Rating, Add</i>	623.10	
<i>For Class 55 Rating, Add</i>	931.87	
<i>For Class 56 Rating, Add</i>	1,236.55	
40 05 19 00-0808 EA 16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,179.75	595.33
<i>For Class 52 Rating, Deduct</i>	-470.55	
<i>For Class 54 Rating, Add</i>	652.48	
<i>For Class 55 Rating, Add</i>	975.58	
<i>For Class 56 Rating, Add</i>	1,294.40	
40 05 19 00-0809 EA 16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,379.71	598.24
<i>For Class 52 Rating, Deduct</i>	-492.06	
<i>For Class 54 Rating, Add</i>	681.87	
<i>For Class 55 Rating, Add</i>	1,019.30	
<i>For Class 56 Rating, Add</i>	1,352.25	
40 05 19 00-0810 EA 16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,579.65	601.14
<i>For Class 52 Rating, Deduct</i>	-513.57	
<i>For Class 54 Rating, Add</i>	711.25	
<i>For Class 55 Rating, Add</i>	1,063.01	
<i>For Class 56 Rating, Add</i>	1,410.09	
40 05 19 00-0811 EA 16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,779.62	604.05
<i>For Class 52 Rating, Deduct</i>	-535.08	
<i>For Class 54 Rating, Add</i>	740.64	
<i>For Class 55 Rating, Add</i>	1,106.72	
<i>For Class 56 Rating, Add</i>	1,467.94	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0812	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,979.56	606.95
		<i>For Class 52 Rating, Deduct</i>		-556.59	
		<i>For Class 54 Rating, Add</i>		770.03	
		<i>For Class 55 Rating, Add</i>		1,150.44	
		<i>For Class 56 Rating, Add</i>		1,525.79	
40 05 19 00-0813	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,179.52	609.85
		<i>For Class 52 Rating, Deduct</i>		-578.10	
		<i>For Class 54 Rating, Add</i>		799.41	
		<i>For Class 55 Rating, Add</i>		1,194.15	
		<i>For Class 56 Rating, Add</i>		1,583.63	
40 05 19 00-0814	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,379.47	612.76
		<i>For Class 52 Rating, Deduct</i>		-599.62	
		<i>For Class 54 Rating, Add</i>		828.80	
		<i>For Class 55 Rating, Add</i>		1,237.87	
		<i>For Class 56 Rating, Add</i>		1,641.48	
40 05 19 00-0815	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,579.43	615.67
		<i>For Class 52 Rating, Deduct</i>		-621.13	
		<i>For Class 54 Rating, Add</i>		858.18	
		<i>For Class 55 Rating, Add</i>		1,281.58	
		<i>For Class 56 Rating, Add</i>		1,699.33	
40 05 19 00-0816	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,779.37	618.57
		<i>For Class 52 Rating, Deduct</i>		-642.64	
		<i>For Class 54 Rating, Add</i>		887.57	
		<i>For Class 55 Rating, Add</i>		1,325.29	
		<i>For Class 56 Rating, Add</i>		1,757.17	
40 05 19 00-0817	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,979.34	621.47
		<i>For Class 52 Rating, Deduct</i>		-664.15	
		<i>For Class 54 Rating, Add</i>		916.96	
		<i>For Class 55 Rating, Add</i>		1,369.01	
		<i>For Class 56 Rating, Add</i>		1,815.02	
40 05 19 00-0818	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,179.28	624.38
		<i>For Class 52 Rating, Deduct</i>		-685.66	
		<i>For Class 54 Rating, Add</i>		946.34	
		<i>For Class 55 Rating, Add</i>		1,412.72	
		<i>For Class 56 Rating, Add</i>		1,872.87	
40 05 19 00-0819	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,379.24	627.28
		<i>For Class 52 Rating, Deduct</i>		-707.17	
		<i>For Class 54 Rating, Add</i>		975.73	
		<i>For Class 55 Rating, Add</i>		1,456.43	
		<i>For Class 56 Rating, Add</i>		1,930.71	
40 05 19 00-0820	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,579.19	630.19
		<i>For Class 52 Rating, Deduct</i>		-728.68	
		<i>For Class 54 Rating, Add</i>		1,005.11	
		<i>For Class 55 Rating, Add</i>		1,500.15	
		<i>For Class 56 Rating, Add</i>		1,988.56	
40 05 19 00-0821	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,779.15	633.09
		<i>For Class 52 Rating, Deduct</i>		-750.19	
		<i>For Class 54 Rating, Add</i>		1,034.50	
		<i>For Class 55 Rating, Add</i>		1,543.86	
		<i>For Class 56 Rating, Add</i>		2,046.41	
40 05 19 00-0822	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,979.09	635.99
		<i>For Class 52 Rating, Deduct</i>		-771.70	
		<i>For Class 54 Rating, Add</i>		1,063.88	
		<i>For Class 55 Rating, Add</i>		1,587.58	
		<i>For Class 56 Rating, Add</i>		2,104.25	
40 05 19 00-0823	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,179.06	638.90
		<i>For Class 52 Rating, Deduct</i>		-793.21	
		<i>For Class 54 Rating, Add</i>		1,093.27	
		<i>For Class 55 Rating, Add</i>		1,631.29	
		<i>For Class 56 Rating, Add</i>		2,162.10	
40 05 19 00-0824	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,379.00	641.81
		<i>For Class 52 Rating, Deduct</i>		-814.72	
		<i>For Class 54 Rating, Add</i>		1,122.66	
		<i>For Class 55 Rating, Add</i>		1,675.01	
		<i>For Class 56 Rating, Add</i>		2,219.95	
40 05 19 00-0825	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,578.96	644.70
		<i>For Class 52 Rating, Deduct</i>		-836.23	
		<i>For Class 54 Rating, Add</i>		1,152.04	
		<i>For Class 55 Rating, Add</i>		1,718.72	
		<i>For Class 56 Rating, Add</i>		2,277.79	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0826 EA 16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,778.91	647.61
For Class 52 Rating, Deduct	-857.75	
For Class 54 Rating, Add	1,181.43	
For Class 55 Rating, Add	1,762.43	
For Class 56 Rating, Add	2,335.64	
40 05 19 00-0827 EA 16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,978.87	650.51
For Class 52 Rating, Deduct	-879.26	
For Class 54 Rating, Add	1,210.81	
For Class 55 Rating, Add	1,806.15	
For Class 56 Rating, Add	2,393.49	
40 05 19 00-0828 EA 16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,178.81	653.42
For Class 52 Rating, Deduct	-900.77	
For Class 54 Rating, Add	1,240.20	
For Class 55 Rating, Add	1,849.86	
For Class 56 Rating, Add	2,451.33	
40 05 19 00-0829 EA 16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,378.78	656.32
For Class 52 Rating, Deduct	-922.28	
For Class 54 Rating, Add	1,269.59	
For Class 55 Rating, Add	1,893.58	
For Class 56 Rating, Add	2,509.18	
40 05 19 00-0830 EA 16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,578.72	659.22
For Class 52 Rating, Deduct	-943.79	
For Class 54 Rating, Add	1,298.97	
For Class 55 Rating, Add	1,937.29	
For Class 56 Rating, Add	2,567.03	
40 05 19 00-0831 EA 16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,778.68	662.13
For Class 52 Rating, Deduct	-965.30	
For Class 54 Rating, Add	1,328.36	
For Class 55 Rating, Add	1,981.00	
For Class 56 Rating, Add	2,624.87	
40 05 19 00-0832 EA 16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,978.63	665.04
For Class 52 Rating, Deduct	-986.81	
For Class 54 Rating, Add	1,357.74	
For Class 55 Rating, Add	2,024.72	
For Class 56 Rating, Add	2,682.72	
<b>40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0834 EA 18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,011.14	628.44
For Class 52 Rating, Deduct	-226.48	
For Class 54 Rating, Add	320.27	
For Class 55 Rating, Add	482.00	
For Class 56 Rating, Add	641.67	
40 05 19 00-0835 EA 18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,241.17	631.35
For Class 52 Rating, Deduct	-251.30	
For Class 54 Rating, Add	354.17	
For Class 55 Rating, Add	532.42	
For Class 56 Rating, Add	708.39	
40 05 19 00-0836 EA 18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,471.22	634.25
For Class 52 Rating, Deduct	-276.13	
For Class 54 Rating, Add	388.07	
For Class 55 Rating, Add	582.85	
For Class 56 Rating, Add	775.11	
40 05 19 00-0837 EA 18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,701.25	637.16
For Class 52 Rating, Deduct	-300.95	
For Class 54 Rating, Add	421.97	
For Class 55 Rating, Add	633.27	
For Class 56 Rating, Add	841.84	
40 05 19 00-0838 EA 18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,931.29	640.07
For Class 52 Rating, Deduct	-325.77	
For Class 54 Rating, Add	455.86	
For Class 55 Rating, Add	683.69	
For Class 56 Rating, Add	908.55	
40 05 19 00-0839 EA 18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,161.32	642.96
For Class 52 Rating, Deduct	-350.59	
For Class 54 Rating, Add	489.76	
For Class 55 Rating, Add	734.11	
For Class 56 Rating, Add	975.28	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0840	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,391.37	645.87
		<i>For Class 52 Rating, Deduct</i>		-375.41	
		<i>For Class 54 Rating, Add</i>		523.66	
		<i>For Class 55 Rating, Add</i>		784.54	
		<i>For Class 56 Rating, Add</i>		1,042.00	
40 05 19 00-0841	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,621.40	648.78
		<i>For Class 52 Rating, Deduct</i>		-400.23	
		<i>For Class 54 Rating, Add</i>		557.56	
		<i>For Class 55 Rating, Add</i>		834.96	
		<i>For Class 56 Rating, Add</i>		1,108.72	
40 05 19 00-0842	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,851.45	651.68
		<i>For Class 52 Rating, Deduct</i>		-425.05	
		<i>For Class 54 Rating, Add</i>		591.46	
		<i>For Class 55 Rating, Add</i>		885.38	
		<i>For Class 56 Rating, Add</i>		1,175.44	
40 05 19 00-0843	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,081.48	654.58
		<i>For Class 52 Rating, Deduct</i>		-449.87	
		<i>For Class 54 Rating, Add</i>		625.36	
		<i>For Class 55 Rating, Add</i>		935.81	
		<i>For Class 56 Rating, Add</i>		1,242.17	
40 05 19 00-0844	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,311.52	657.49
		<i>For Class 52 Rating, Deduct</i>		-474.69	
		<i>For Class 54 Rating, Add</i>		659.25	
		<i>For Class 55 Rating, Add</i>		986.23	
		<i>For Class 56 Rating, Add</i>		1,308.89	
40 05 19 00-0845	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,541.55	660.39
		<i>For Class 52 Rating, Deduct</i>		-499.51	
		<i>For Class 54 Rating, Add</i>		693.15	
		<i>For Class 55 Rating, Add</i>		1,036.65	
		<i>For Class 56 Rating, Add</i>		1,375.61	
40 05 19 00-0846	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,771.60	663.30
		<i>For Class 52 Rating, Deduct</i>		-524.33	
		<i>For Class 54 Rating, Add</i>		727.05	
		<i>For Class 55 Rating, Add</i>		1,087.07	
		<i>For Class 56 Rating, Add</i>		1,442.33	
40 05 19 00-0847	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,001.63	666.20
		<i>For Class 52 Rating, Deduct</i>		-549.15	
		<i>For Class 54 Rating, Add</i>		760.95	
		<i>For Class 55 Rating, Add</i>		1,137.50	
		<i>For Class 56 Rating, Add</i>		1,509.05	
40 05 19 00-0848	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,231.68	669.10
		<i>For Class 52 Rating, Deduct</i>		-573.97	
		<i>For Class 54 Rating, Add</i>		794.85	
		<i>For Class 55 Rating, Add</i>		1,187.92	
		<i>For Class 56 Rating, Add</i>		1,575.77	
40 05 19 00-0849	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,461.71	672.01
		<i>For Class 52 Rating, Deduct</i>		-598.79	
		<i>For Class 54 Rating, Add</i>		828.75	
		<i>For Class 55 Rating, Add</i>		1,238.34	
		<i>For Class 56 Rating, Add</i>		1,642.50	
40 05 19 00-0850	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,691.75	674.92
		<i>For Class 52 Rating, Deduct</i>		-623.61	
		<i>For Class 54 Rating, Add</i>		862.65	
		<i>For Class 55 Rating, Add</i>		1,288.76	
		<i>For Class 56 Rating, Add</i>		1,709.22	
40 05 19 00-0851	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,921.78	677.81
		<i>For Class 52 Rating, Deduct</i>		-648.43	
		<i>For Class 54 Rating, Add</i>		896.54	
		<i>For Class 55 Rating, Add</i>		1,339.19	
		<i>For Class 56 Rating, Add</i>		1,775.94	
40 05 19 00-0852	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,151.83	680.72
		<i>For Class 52 Rating, Deduct</i>		-673.25	
		<i>For Class 54 Rating, Add</i>		930.44	
		<i>For Class 55 Rating, Add</i>		1,389.61	
		<i>For Class 56 Rating, Add</i>		1,842.66	
40 05 19 00-0853	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,381.86	683.62
		<i>For Class 52 Rating, Deduct</i>		-698.07	
		<i>For Class 54 Rating, Add</i>		964.34	
		<i>For Class 55 Rating, Add</i>		1,440.03	
		<i>For Class 56 Rating, Add</i>		1,909.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0854 EA 18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,611.91	686.53
<i>For Class 52 Rating, Deduct</i>	-722.89	
<i>For Class 54 Rating, Add</i>	998.24	
<i>For Class 55 Rating, Add</i>	1,490.46	
<i>For Class 56 Rating, Add</i>	1,976.10	
40 05 19 00-0855 EA 18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,841.94	689.43
<i>For Class 52 Rating, Deduct</i>	-747.71	
<i>For Class 54 Rating, Add</i>	1,032.14	
<i>For Class 55 Rating, Add</i>	1,540.88	
<i>For Class 56 Rating, Add</i>	2,042.83	
40 05 19 00-0856 EA 18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,071.99	692.33
<i>For Class 52 Rating, Deduct</i>	-772.53	
<i>For Class 54 Rating, Add</i>	1,066.04	
<i>For Class 55 Rating, Add</i>	1,591.30	
<i>For Class 56 Rating, Add</i>	2,109.55	
40 05 19 00-0857 EA 18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,302.01	695.24
<i>For Class 52 Rating, Deduct</i>	-797.35	
<i>For Class 54 Rating, Add</i>	1,099.94	
<i>For Class 55 Rating, Add</i>	1,641.73	
<i>For Class 56 Rating, Add</i>	2,176.27	
40 05 19 00-0858 EA 18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,532.06	698.15
<i>For Class 52 Rating, Deduct</i>	-822.17	
<i>For Class 54 Rating, Add</i>	1,133.83	
<i>For Class 55 Rating, Add</i>	1,692.15	
<i>For Class 56 Rating, Add</i>	2,242.99	
40 05 19 00-0859 EA 18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,762.10	701.04
<i>For Class 52 Rating, Deduct</i>	-846.99	
<i>For Class 54 Rating, Add</i>	1,167.73	
<i>For Class 55 Rating, Add</i>	1,742.57	
<i>For Class 56 Rating, Add</i>	2,309.71	
40 05 19 00-0860 EA 18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,992.14	703.95
<i>For Class 52 Rating, Deduct</i>	-871.81	
<i>For Class 54 Rating, Add</i>	1,201.63	
<i>For Class 55 Rating, Add</i>	1,793.00	
<i>For Class 56 Rating, Add</i>	2,376.43	
40 05 19 00-0861 EA 18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,222.18	706.86
<i>For Class 52 Rating, Deduct</i>	-896.63	
<i>For Class 54 Rating, Add</i>	1,235.53	
<i>For Class 55 Rating, Add</i>	1,843.42	
<i>For Class 56 Rating, Add</i>	2,443.16	
40 05 19 00-0862 EA 18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,452.22	709.76
<i>For Class 52 Rating, Deduct</i>	-921.45	
<i>For Class 54 Rating, Add</i>	1,269.43	
<i>For Class 55 Rating, Add</i>	1,893.84	
<i>For Class 56 Rating, Add</i>	2,509.88	
40 05 19 00-0863 EA 18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,682.25	712.66
<i>For Class 52 Rating, Deduct</i>	-946.27	
<i>For Class 54 Rating, Add</i>	1,303.33	
<i>For Class 55 Rating, Add</i>	1,944.26	
<i>For Class 56 Rating, Add</i>	2,576.60	
40 05 19 00-0864 EA 18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,912.29	715.57
<i>For Class 52 Rating, Deduct</i>	-971.09	
<i>For Class 54 Rating, Add</i>	1,337.23	
<i>For Class 55 Rating, Add</i>	1,994.69	
<i>For Class 56 Rating, Add</i>	2,643.32	
40 05 19 00-0865 EA 18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,142.33	718.47
<i>For Class 52 Rating, Deduct</i>	-995.91	
<i>For Class 54 Rating, Add</i>	1,371.12	
<i>For Class 55 Rating, Add</i>	2,045.11	
<i>For Class 56 Rating, Add</i>	2,710.04	
40 05 19 00-0866 EA 18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,372.37	721.38
<i>For Class 52 Rating, Deduct</i>	-1,020.73	
<i>For Class 54 Rating, Add</i>	1,405.02	
<i>For Class 55 Rating, Add</i>	2,095.53	
<i>For Class 56 Rating, Add</i>	2,776.76	
40 05 19 00-0867 EA 18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,602.41	724.28
<i>For Class 52 Rating, Deduct</i>	-1,045.55	
<i>For Class 54 Rating, Add</i>	1,438.92	
<i>For Class 55 Rating, Add</i>	2,145.96	
<i>For Class 56 Rating, Add</i>	2,843.49	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0868	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		10,832.45	727.18
		<i>For Class 52 Rating, Deduct</i>		-1,070.37	
		<i>For Class 54 Rating, Add</i>		1,472.82	
		<i>For Class 55 Rating, Add</i>		2,196.38	
		<i>For Class 56 Rating, Add</i>		2,910.21	
40 05 19 00-0869	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		11,062.48	730.09
		<i>For Class 52 Rating, Deduct</i>		-1,095.19	
		<i>For Class 54 Rating, Add</i>		1,506.72	
		<i>For Class 55 Rating, Add</i>		2,246.80	
		<i>For Class 56 Rating, Add</i>		2,976.93	
40 05 19 00-0870	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		11,292.52	733.00
		<i>For Class 52 Rating, Deduct</i>		-1,120.01	
		<i>For Class 54 Rating, Add</i>		1,540.62	
		<i>For Class 55 Rating, Add</i>		2,297.22	
		<i>For Class 56 Rating, Add</i>		3,043.65	
40 05 19 00-0871	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		11,522.56	735.90
		<i>For Class 52 Rating, Deduct</i>		-1,144.83	
		<i>For Class 54 Rating, Add</i>		1,574.52	
		<i>For Class 55 Rating, Add</i>		2,347.65	
		<i>For Class 56 Rating, Add</i>		3,110.37	
40 05 19 00-0872		<b>20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>			
40 05 19 00-0873	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,491.76	717.30
		<i>For Class 52 Rating, Deduct</i>		-264.54	
		<i>For Class 54 Rating, Add</i>		373.78	
		<i>For Class 55 Rating, Add</i>		562.38	
		<i>For Class 56 Rating, Add</i>		748.58	
40 05 19 00-0874	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,755.64	720.21
		<i>For Class 52 Rating, Deduct</i>		-293.09	
		<i>For Class 54 Rating, Add</i>		412.76	
		<i>For Class 55 Rating, Add</i>		620.35	
		<i>For Class 56 Rating, Add</i>		825.29	
40 05 19 00-0875	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,019.53	723.12
		<i>For Class 52 Rating, Deduct</i>		-321.63	
		<i>For Class 54 Rating, Add</i>		451.73	
		<i>For Class 55 Rating, Add</i>		678.32	
		<i>For Class 56 Rating, Add</i>		901.99	
40 05 19 00-0876	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,283.41	726.02
		<i>For Class 52 Rating, Deduct</i>		-350.17	
		<i>For Class 54 Rating, Add</i>		490.71	
		<i>For Class 55 Rating, Add</i>		736.29	
		<i>For Class 56 Rating, Add</i>		978.70	
40 05 19 00-0877	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,547.30	728.92
		<i>For Class 52 Rating, Deduct</i>		-378.72	
		<i>For Class 54 Rating, Add</i>		529.68	
		<i>For Class 55 Rating, Add</i>		794.27	
		<i>For Class 56 Rating, Add</i>		1,055.41	
40 05 19 00-0878	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,811.18	731.83
		<i>For Class 52 Rating, Deduct</i>		-407.26	
		<i>For Class 54 Rating, Add</i>		568.66	
		<i>For Class 55 Rating, Add</i>		852.24	
		<i>For Class 56 Rating, Add</i>		1,132.11	
40 05 19 00-0879	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,075.06	734.73
		<i>For Class 52 Rating, Deduct</i>		-435.80	
		<i>For Class 54 Rating, Add</i>		607.63	
		<i>For Class 55 Rating, Add</i>		910.21	
		<i>For Class 56 Rating, Add</i>		1,208.82	
40 05 19 00-0880	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,338.95	737.64
		<i>For Class 52 Rating, Deduct</i>		-464.35	
		<i>For Class 54 Rating, Add</i>		646.61	
		<i>For Class 55 Rating, Add</i>		968.18	
		<i>For Class 56 Rating, Add</i>		1,265.52	
40 05 19 00-0881	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,602.83	740.54
		<i>For Class 52 Rating, Deduct</i>		-492.89	
		<i>For Class 54 Rating, Add</i>		685.58	
		<i>For Class 55 Rating, Add</i>		1,026.15	
		<i>For Class 56 Rating, Add</i>		1,362.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0882 EA 20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,866.72	743.44
<i>For Class 52 Rating, Deduct</i>	-521.43	
<i>For Class 54 Rating, Add</i>	724.56	
<i>For Class 55 Rating, Add</i>	1,084.12	
<i>For Class 56 Rating, Add</i>	1,438.94	
40 05 19 00-0883 EA 20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,130.60	746.35
<i>For Class 52 Rating, Deduct</i>	-549.97	
<i>For Class 54 Rating, Add</i>	763.54	
<i>For Class 55 Rating, Add</i>	1,142.09	
<i>For Class 56 Rating, Add</i>	1,515.64	
40 05 19 00-0884 EA 20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,394.49	749.26
<i>For Class 52 Rating, Deduct</i>	-578.52	
<i>For Class 54 Rating, Add</i>	802.51	
<i>For Class 55 Rating, Add</i>	1,200.06	
<i>For Class 56 Rating, Add</i>	1,592.35	
40 05 19 00-0885 EA 20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,658.37	752.15
<i>For Class 52 Rating, Deduct</i>	-607.06	
<i>For Class 54 Rating, Add</i>	841.49	
<i>For Class 55 Rating, Add</i>	1,258.03	
<i>For Class 56 Rating, Add</i>	1,669.05	
40 05 19 00-0886 EA 20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,922.25	755.06
<i>For Class 52 Rating, Deduct</i>	-635.60	
<i>For Class 54 Rating, Add</i>	880.46	
<i>For Class 55 Rating, Add</i>	1,316.00	
<i>For Class 56 Rating, Add</i>	1,745.76	
40 05 19 00-0887 EA 20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,186.14	757.96
<i>For Class 52 Rating, Deduct</i>	-664.15	
<i>For Class 54 Rating, Add</i>	919.44	
<i>For Class 55 Rating, Add</i>	1,373.97	
<i>For Class 56 Rating, Add</i>	1,822.47	
40 05 19 00-0888 EA 20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,450.02	760.87
<i>For Class 52 Rating, Deduct</i>	-692.69	
<i>For Class 54 Rating, Add</i>	958.41	
<i>For Class 55 Rating, Add</i>	1,431.94	
<i>For Class 56 Rating, Add</i>	1,899.17	
40 05 19 00-0889 EA 20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,713.91	763.77
<i>For Class 52 Rating, Deduct</i>	-721.23	
<i>For Class 54 Rating, Add</i>	997.39	
<i>For Class 55 Rating, Add</i>	1,489.91	
<i>For Class 56 Rating, Add</i>	1,975.88	
40 05 19 00-0890 EA 20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,977.79	766.67
<i>For Class 52 Rating, Deduct</i>	-749.78	
<i>For Class 54 Rating, Add</i>	1,036.36	
<i>For Class 55 Rating, Add</i>	1,547.88	
<i>For Class 56 Rating, Add</i>	2,052.59	
40 05 19 00-0891 EA 20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,241.67	769.58
<i>For Class 52 Rating, Deduct</i>	-778.32	
<i>For Class 54 Rating, Add</i>	1,075.34	
<i>For Class 55 Rating, Add</i>	1,605.85	
<i>For Class 56 Rating, Add</i>	2,129.29	
40 05 19 00-0892 EA 20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,505.56	772.49
<i>For Class 52 Rating, Deduct</i>	-806.86	
<i>For Class 54 Rating, Add</i>	1,114.31	
<i>For Class 55 Rating, Add</i>	1,663.82	
<i>For Class 56 Rating, Add</i>	2,206.00	
40 05 19 00-0893 EA 20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,769.44	775.38
<i>For Class 52 Rating, Deduct</i>	-835.41	
<i>For Class 54 Rating, Add</i>	1,153.29	
<i>For Class 55 Rating, Add</i>	1,721.79	
<i>For Class 56 Rating, Add</i>	2,282.70	
40 05 19 00-0894 EA 20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,033.33	778.29
<i>For Class 52 Rating, Deduct</i>	-863.95	
<i>For Class 54 Rating, Add</i>	1,192.27	
<i>For Class 55 Rating, Add</i>	1,779.77	
<i>For Class 56 Rating, Add</i>	2,359.41	
40 05 19 00-0895 EA 20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,297.21	781.20
<i>For Class 52 Rating, Deduct</i>	-892.49	
<i>For Class 54 Rating, Add</i>	1,231.24	
<i>For Class 55 Rating, Add</i>	1,837.74	
<i>For Class 56 Rating, Add</i>	2,436.12	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0896	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,561.09		784.10
		<i>For Class 52 Rating, Deduct</i>	-921.04		
		<i>For Class 54 Rating, Add</i>	1,270.22		
		<i>For Class 55 Rating, Add</i>	1,895.71		
		<i>For Class 56 Rating, Add</i>	2,512.82		
40 05 19 00-0897	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,824.98		787.00
		<i>For Class 52 Rating, Deduct</i>	-949.58		
		<i>For Class 54 Rating, Add</i>	1,309.19		
		<i>For Class 55 Rating, Add</i>	1,953.68		
		<i>For Class 56 Rating, Add</i>	2,589.53		
40 05 19 00-0898	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,088.86		789.91
		<i>For Class 52 Rating, Deduct</i>	-978.12		
		<i>For Class 54 Rating, Add</i>	1,348.17		
		<i>For Class 55 Rating, Add</i>	2,011.65		
		<i>For Class 56 Rating, Add</i>	2,666.23		
40 05 19 00-0899	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,352.75		792.81
		<i>For Class 52 Rating, Deduct</i>	-1,006.67		
		<i>For Class 54 Rating, Add</i>	1,387.14		
		<i>For Class 55 Rating, Add</i>	2,069.62		
		<i>For Class 56 Rating, Add</i>	2,742.94		
40 05 19 00-0900	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,616.63		795.72
		<i>For Class 52 Rating, Deduct</i>	-1,035.21		
		<i>For Class 54 Rating, Add</i>	1,426.12		
		<i>For Class 55 Rating, Add</i>	2,127.59		
		<i>For Class 56 Rating, Add</i>	2,819.65		
40 05 19 00-0901	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,880.52		798.63
		<i>For Class 52 Rating, Deduct</i>	-1,063.75		
		<i>For Class 54 Rating, Add</i>	1,465.09		
		<i>For Class 55 Rating, Add</i>	2,185.56		
		<i>For Class 56 Rating, Add</i>	2,896.36		
40 05 19 00-0902	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,144.40		801.52
		<i>For Class 52 Rating, Deduct</i>	-1,092.30		
		<i>For Class 54 Rating, Add</i>	1,504.07		
		<i>For Class 55 Rating, Add</i>	2,243.53		
		<i>For Class 56 Rating, Add</i>	2,973.06		
40 05 19 00-0903	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,408.28		804.43
		<i>For Class 52 Rating, Deduct</i>	-1,120.84		
		<i>For Class 54 Rating, Add</i>	1,543.04		
		<i>For Class 55 Rating, Add</i>	2,301.50		
		<i>For Class 56 Rating, Add</i>	3,049.77		
40 05 19 00-0904	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,672.17		807.34
		<i>For Class 52 Rating, Deduct</i>	-1,149.38		
		<i>For Class 54 Rating, Add</i>	1,582.02		
		<i>For Class 55 Rating, Add</i>	2,359.47		
		<i>For Class 56 Rating, Add</i>	3,126.47		
40 05 19 00-0905	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,936.05		810.24
		<i>For Class 52 Rating, Deduct</i>	-1,177.93		
		<i>For Class 54 Rating, Add</i>	1,620.99		
		<i>For Class 55 Rating, Add</i>	2,417.44		
		<i>For Class 56 Rating, Add</i>	3,203.18		
40 05 19 00-0906	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,199.95		813.14
		<i>For Class 52 Rating, Deduct</i>	-1,206.47		
		<i>For Class 54 Rating, Add</i>	1,659.97		
		<i>For Class 55 Rating, Add</i>	2,475.41		
		<i>For Class 56 Rating, Add</i>	3,279.89		
40 05 19 00-0907	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,463.82		816.04
		<i>For Class 52 Rating, Deduct</i>	-1,235.01		
		<i>For Class 54 Rating, Add</i>	1,698.95		
		<i>For Class 55 Rating, Add</i>	2,533.38		
		<i>For Class 56 Rating, Add</i>	3,356.59		
40 05 19 00-0908	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,727.71		818.95
		<i>For Class 52 Rating, Deduct</i>	-1,263.56		
		<i>For Class 54 Rating, Add</i>	1,737.92		
		<i>For Class 55 Rating, Add</i>	2,591.35		
		<i>For Class 56 Rating, Add</i>	3,433.30		
40 05 19 00-0909	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,991.59		821.86
		<i>For Class 52 Rating, Deduct</i>	-1,292.10		
		<i>For Class 54 Rating, Add</i>	1,776.90		
		<i>For Class 55 Rating, Add</i>	2,649.32		
		<i>For Class 56 Rating, Add</i>	3,510.00		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0910 EA 20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,255.48	824.75
For Class 52 Rating, Deduct	-1,320.64	
For Class 54 Rating, Add	1,815.87	
For Class 55 Rating, Add	2,707.29	
For Class 56 Rating, Add	3,586.71	
<b>40 05 19 00-0911 24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0912 EA 24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,323.44	847.99
For Class 52 Rating, Deduct	-334.25	
For Class 54 Rating, Add	471.21	
For Class 55 Rating, Add	708.44	
For Class 56 Rating, Add	942.64	
40 05 19 00-0913 EA 24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,649.36	850.89
For Class 52 Rating, Deduct	-369.61	
For Class 54 Rating, Add	519.49	
For Class 55 Rating, Add	780.25	
For Class 56 Rating, Add	1,037.65	
40 05 19 00-0914 EA 24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,975.31	853.80
For Class 52 Rating, Deduct	-404.98	
For Class 54 Rating, Add	567.77	
For Class 55 Rating, Add	852.06	
For Class 56 Rating, Add	1,132.66	
40 05 19 00-0915 EA 24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,301.23	856.71
For Class 52 Rating, Deduct	-440.35	
For Class 54 Rating, Add	616.06	
For Class 55 Rating, Add	923.87	
For Class 56 Rating, Add	1,227.67	
40 05 19 00-0916 EA 24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,627.18	859.60
For Class 52 Rating, Deduct	-475.72	
For Class 54 Rating, Add	664.34	
For Class 55 Rating, Add	995.68	
For Class 56 Rating, Add	1,322.69	
40 05 19 00-0917 EA 24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,953.10	862.51
For Class 52 Rating, Deduct	-511.09	
For Class 54 Rating, Add	712.62	
For Class 55 Rating, Add	1,067.48	
For Class 56 Rating, Add	1,417.70	
40 05 19 00-0918 EA 24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,279.05	865.41
For Class 52 Rating, Deduct	-546.46	
For Class 54 Rating, Add	760.91	
For Class 55 Rating, Add	1,139.29	
For Class 56 Rating, Add	1,512.71	
40 05 19 00-0919 EA 24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,604.97	868.32
For Class 52 Rating, Deduct	-581.83	
For Class 54 Rating, Add	809.19	
For Class 55 Rating, Add	1,211.10	
For Class 56 Rating, Add	1,607.72	
40 05 19 00-0920 EA 24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,930.91	871.22
For Class 52 Rating, Deduct	-617.20	
For Class 54 Rating, Add	857.47	
For Class 55 Rating, Add	1,282.90	
For Class 56 Rating, Add	1,702.73	
40 05 19 00-0921 EA 24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,256.84	874.12
For Class 52 Rating, Deduct	-652.57	
For Class 54 Rating, Add	905.75	
For Class 55 Rating, Add	1,354.71	
For Class 56 Rating, Add	1,797.74	
40 05 19 00-0922 EA 24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,582.78	877.03
For Class 52 Rating, Deduct	-687.93	
For Class 54 Rating, Add	954.04	
For Class 55 Rating, Add	1,426.52	
For Class 56 Rating, Add	1,892.75	
40 05 19 00-0923 EA 24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,908.71	879.94
For Class 52 Rating, Deduct	-723.30	
For Class 54 Rating, Add	1,002.32	
For Class 55 Rating, Add	1,498.33	
For Class 56 Rating, Add	1,987.76	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0924	EA		24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,234.65	882.84
			<i>For Class 52 Rating, Deduct</i>	-758.67	
			<i>For Class 54 Rating, Add</i>	1,050.60	
			<i>For Class 55 Rating, Add</i>	1,570.14	
			<i>For Class 56 Rating, Add</i>	2,082.77	
40 05 19 00-0925	EA		24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,560.58	885.74
			<i>For Class 52 Rating, Deduct</i>	-794.04	
			<i>For Class 54 Rating, Add</i>	1,098.89	
			<i>For Class 55 Rating, Add</i>	1,641.95	
			<i>For Class 56 Rating, Add</i>	2,177.79	
40 05 19 00-0926	EA		24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,886.52	888.65
			<i>For Class 52 Rating, Deduct</i>	-829.41	
			<i>For Class 54 Rating, Add</i>	1,147.17	
			<i>For Class 55 Rating, Add</i>	1,713.75	
			<i>For Class 56 Rating, Add</i>	2,272.80	
40 05 19 00-0927	EA		24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,212.45	891.55
			<i>For Class 52 Rating, Deduct</i>	-864.78	
			<i>For Class 54 Rating, Add</i>	1,195.45	
			<i>For Class 55 Rating, Add</i>	1,785.56	
			<i>For Class 56 Rating, Add</i>	2,367.81	
40 05 19 00-0928	EA		24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,538.39	894.46
			<i>For Class 52 Rating, Deduct</i>	-900.15	
			<i>For Class 54 Rating, Add</i>	1,243.74	
			<i>For Class 55 Rating, Add</i>	1,857.37	
			<i>For Class 56 Rating, Add</i>	2,462.82	
40 05 19 00-0929	EA		24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,864.32	897.36
			<i>For Class 52 Rating, Deduct</i>	-935.52	
			<i>For Class 54 Rating, Add</i>	1,292.02	
			<i>For Class 55 Rating, Add</i>	1,929.18	
			<i>For Class 56 Rating, Add</i>	2,557.83	
40 05 19 00-0930	EA		24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,190.26	900.26
			<i>For Class 52 Rating, Deduct</i>	-970.88	
			<i>For Class 54 Rating, Add</i>	1,340.30	
			<i>For Class 55 Rating, Add</i>	2,000.98	
			<i>For Class 56 Rating, Add</i>	2,652.84	
40 05 19 00-0931	EA		24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,516.19	903.17
			<i>For Class 52 Rating, Deduct</i>	-1,006.25	
			<i>For Class 54 Rating, Add</i>	1,388.59	
			<i>For Class 55 Rating, Add</i>	2,072.79	
			<i>For Class 56 Rating, Add</i>	2,747.85	
40 05 19 00-0932	EA		24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,842.13	906.08
			<i>For Class 52 Rating, Deduct</i>	-1,041.62	
			<i>For Class 54 Rating, Add</i>	1,436.87	
			<i>For Class 55 Rating, Add</i>	2,144.60	
			<i>For Class 56 Rating, Add</i>	2,842.86	
40 05 19 00-0933	EA		24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,168.06	908.97
			<i>For Class 52 Rating, Deduct</i>	-1,076.99	
			<i>For Class 54 Rating, Add</i>	1,485.15	
			<i>For Class 55 Rating, Add</i>	2,216.41	
			<i>For Class 56 Rating, Add</i>	2,937.88	
40 05 19 00-0934	EA		24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,494.00	911.88
			<i>For Class 52 Rating, Deduct</i>	-1,112.36	
			<i>For Class 54 Rating, Add</i>	1,533.43	
			<i>For Class 55 Rating, Add</i>	2,288.22	
			<i>For Class 56 Rating, Add</i>	3,032.89	
40 05 19 00-0935	EA		24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,819.93	914.79
			<i>For Class 52 Rating, Deduct</i>	-1,147.73	
			<i>For Class 54 Rating, Add</i>	1,581.72	
			<i>For Class 55 Rating, Add</i>	2,360.02	
			<i>For Class 56 Rating, Add</i>	3,127.90	
40 05 19 00-0936	EA		24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,145.87	917.69
			<i>For Class 52 Rating, Deduct</i>	-1,183.10	
			<i>For Class 54 Rating, Add</i>	1,630.00	
			<i>For Class 55 Rating, Add</i>	2,431.83	
			<i>For Class 56 Rating, Add</i>	3,222.91	
40 05 19 00-0937	EA		24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,471.80	920.59
			<i>For Class 52 Rating, Deduct</i>	-1,218.47	
			<i>For Class 54 Rating, Add</i>	1,678.28	
			<i>For Class 55 Rating, Add</i>	2,503.64	
			<i>For Class 56 Rating, Add</i>	3,317.92	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0938 EA 24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,797.74	923.49
<i>For Class 52 Rating, Deduct</i>	-1,253.84	
<i>For Class 54 Rating, Add</i>	1,726.57	
<i>For Class 55 Rating, Add</i>	2,575.45	
<i>For Class 56 Rating, Add</i>	3,412.93	
40 05 19 00-0939 EA 24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,123.66	926.40
<i>For Class 52 Rating, Deduct</i>	-1,289.20	
<i>For Class 54 Rating, Add</i>	1,774.85	
<i>For Class 55 Rating, Add</i>	2,647.25	
<i>For Class 56 Rating, Add</i>	3,507.94	
40 05 19 00-0940 EA 24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,449.61	929.31
<i>For Class 52 Rating, Deduct</i>	-1,324.57	
<i>For Class 54 Rating, Add</i>	1,823.13	
<i>For Class 55 Rating, Add</i>	2,719.06	
<i>For Class 56 Rating, Add</i>	3,602.95	
40 05 19 00-0941 EA 24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,850.34	981.57
<i>For Class 52 Rating, Deduct</i>	-1,359.94	
<i>For Class 54 Rating, Add</i>	1,872.31	
<i>For Class 55 Rating, Add</i>	2,792.67	
<i>For Class 56 Rating, Add</i>	3,700.66	
40 05 19 00-0942 EA 24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,176.28	984.48
<i>For Class 52 Rating, Deduct</i>	-1,395.31	
<i>For Class 54 Rating, Add</i>	1,920.60	
<i>For Class 55 Rating, Add</i>	2,864.47	
<i>For Class 56 Rating, Add</i>	3,795.67	
40 05 19 00-0943 EA 24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,502.21	987.39
<i>For Class 52 Rating, Deduct</i>	-1,430.68	
<i>For Class 54 Rating, Add</i>	1,968.88	
<i>For Class 55 Rating, Add</i>	2,936.28	
<i>For Class 56 Rating, Add</i>	3,890.68	
40 05 19 00-0944 EA 24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,828.15	990.29
<i>For Class 52 Rating, Deduct</i>	-1,466.05	
<i>For Class 54 Rating, Add</i>	2,017.16	
<i>For Class 55 Rating, Add</i>	3,008.09	
<i>For Class 56 Rating, Add</i>	3,985.69	
40 05 19 00-0945 EA 24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,154.08	993.19
<i>For Class 52 Rating, Deduct</i>	-1,501.42	
<i>For Class 54 Rating, Add</i>	2,065.44	
<i>For Class 55 Rating, Add</i>	3,079.90	
<i>For Class 56 Rating, Add</i>	4,080.70	
40 05 19 00-0946 EA 24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,480.02	996.10
<i>For Class 52 Rating, Deduct</i>	-1,536.79	
<i>For Class 54 Rating, Add</i>	2,113.73	
<i>For Class 55 Rating, Add</i>	3,151.71	
<i>For Class 56 Rating, Add</i>	4,175.71	
40 05 19 00-0947 EA 24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,805.95	999.00
<i>For Class 52 Rating, Deduct</i>	-1,572.15	
<i>For Class 54 Rating, Add</i>	2,162.01	
<i>For Class 55 Rating, Add</i>	3,223.51	
<i>For Class 56 Rating, Add</i>	4,270.72	
40 05 19 00-0948 EA 24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,131.89	1,001.91
<i>For Class 52 Rating, Deduct</i>	-1,607.52	
<i>For Class 54 Rating, Add</i>	2,210.29	
<i>For Class 55 Rating, Add</i>	3,295.32	
<i>For Class 56 Rating, Add</i>	4,365.74	
40 05 19 00-0949 EA 24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,457.82	1,004.81
<i>For Class 52 Rating, Deduct</i>	-1,642.89	
<i>For Class 54 Rating, Add</i>	2,258.58	
<i>For Class 55 Rating, Add</i>	3,367.13	
<i>For Class 56 Rating, Add</i>	4,460.74	
<b>40 05 19 00-0950 30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0951 EA 30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,664.08	1,196.48
<i>For Class 52 Rating, Deduct</i>	-533.64	
<i>For Class 54 Rating, Add</i>	749.44	
<i>For Class 55 Rating, Add</i>	1,125.33	
<i>For Class 56 Rating, Add</i>	1,496.38	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0952	EA		30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,132.91	1,199.38
			<i>For Class 52 Rating, Deduct</i>	-584.72	
			<i>For Class 54 Rating, Add</i>	819.16	
			<i>For Class 55 Rating, Add</i>	1,229.01	
			<i>For Class 56 Rating, Add</i>	1,633.54	
40 05 19 00-0953	EA		30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,601.75	1,202.29
			<i>For Class 52 Rating, Deduct</i>	-635.81	
			<i>For Class 54 Rating, Add</i>	888.87	
			<i>For Class 55 Rating, Add</i>	1,332.68	
			<i>For Class 56 Rating, Add</i>	1,770.71	
40 05 19 00-0954	EA		30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,070.59	1,205.19
			<i>For Class 52 Rating, Deduct</i>	-686.90	
			<i>For Class 54 Rating, Add</i>	958.59	
			<i>For Class 55 Rating, Add</i>	1,436.36	
			<i>For Class 56 Rating, Add</i>	1,907.88	
40 05 19 00-0955	EA		30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,539.43	1,208.09
			<i>For Class 52 Rating, Deduct</i>	-737.99	
			<i>For Class 54 Rating, Add</i>	1,028.31	
			<i>For Class 55 Rating, Add</i>	1,540.03	
			<i>For Class 56 Rating, Add</i>	2,045.05	
40 05 19 00-0956	EA		30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,008.27	1,211.00
			<i>For Class 52 Rating, Deduct</i>	-789.08	
			<i>For Class 54 Rating, Add</i>	1,098.03	
			<i>For Class 55 Rating, Add</i>	1,643.71	
			<i>For Class 56 Rating, Add</i>	2,182.21	
40 05 19 00-0957	EA		30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,477.11	1,213.90
			<i>For Class 52 Rating, Deduct</i>	-840.16	
			<i>For Class 54 Rating, Add</i>	1,167.75	
			<i>For Class 55 Rating, Add</i>	1,747.38	
			<i>For Class 56 Rating, Add</i>	2,319.38	
40 05 19 00-0958	EA		30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,945.95	1,216.81
			<i>For Class 52 Rating, Deduct</i>	-891.25	
			<i>For Class 54 Rating, Add</i>	1,237.47	
			<i>For Class 55 Rating, Add</i>	1,851.06	
			<i>For Class 56 Rating, Add</i>	2,456.55	
40 05 19 00-0959	EA		30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,414.79	1,219.71
			<i>For Class 52 Rating, Deduct</i>	-942.34	
			<i>For Class 54 Rating, Add</i>	1,307.19	
			<i>For Class 55 Rating, Add</i>	1,954.74	
			<i>For Class 56 Rating, Add</i>	2,593.72	
40 05 19 00-0960	EA		30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,883.63	1,222.61
			<i>For Class 52 Rating, Deduct</i>	-993.43	
			<i>For Class 54 Rating, Add</i>	1,376.91	
			<i>For Class 55 Rating, Add</i>	2,058.41	
			<i>For Class 56 Rating, Add</i>	2,730.89	
40 05 19 00-0961	EA		30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,352.47	1,225.52
			<i>For Class 52 Rating, Deduct</i>	-1,044.52	
			<i>For Class 54 Rating, Add</i>	1,446.63	
			<i>For Class 55 Rating, Add</i>	2,162.09	
			<i>For Class 56 Rating, Add</i>	2,868.05	
40 05 19 00-0962	EA		30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,821.31	1,228.43
			<i>For Class 52 Rating, Deduct</i>	-1,095.61	
			<i>For Class 54 Rating, Add</i>	1,516.34	
			<i>For Class 55 Rating, Add</i>	2,265.76	
			<i>For Class 56 Rating, Add</i>	3,005.22	
40 05 19 00-0963	EA		30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,290.14	1,231.33
			<i>For Class 52 Rating, Deduct</i>	-1,146.69	
			<i>For Class 54 Rating, Add</i>	1,586.06	
			<i>For Class 55 Rating, Add</i>	2,369.44	
			<i>For Class 56 Rating, Add</i>	3,142.39	
40 05 19 00-0964	EA		30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,758.98	1,234.23
			<i>For Class 52 Rating, Deduct</i>	-1,197.78	
			<i>For Class 54 Rating, Add</i>	1,655.78	
			<i>For Class 55 Rating, Add</i>	2,473.11	
			<i>For Class 56 Rating, Add</i>	3,279.56	
40 05 19 00-0965	EA		30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,227.82	1,237.14
			<i>For Class 52 Rating, Deduct</i>	-1,248.87	
			<i>For Class 54 Rating, Add</i>	1,725.50	
			<i>For Class 55 Rating, Add</i>	2,576.79	
			<i>For Class 56 Rating, Add</i>	3,416.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0966 EA 30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,696.66	1,240.04
<i>For Class 52 Rating, Deduct</i>	-1,299.96	
<i>For Class 54 Rating, Add</i>	1,795.22	
<i>For Class 55 Rating, Add</i>	2,680.46	
<i>For Class 56 Rating, Add</i>	3,553.89	
40 05 19 00-0967 EA 30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,165.50	1,242.95
<i>For Class 52 Rating, Deduct</i>	-1,351.05	
<i>For Class 54 Rating, Add</i>	1,864.94	
<i>For Class 55 Rating, Add</i>	2,784.14	
<i>For Class 56 Rating, Add</i>	3,691.06	
40 05 19 00-0968 EA 30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,634.34	1,245.85
<i>For Class 52 Rating, Deduct</i>	-1,402.14	
<i>For Class 54 Rating, Add</i>	1,934.66	
<i>For Class 55 Rating, Add</i>	2,887.82	
<i>For Class 56 Rating, Add</i>	3,828.23	
40 05 19 00-0969 EA 30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,103.18	1,248.75
<i>For Class 52 Rating, Deduct</i>	-1,453.22	
<i>For Class 54 Rating, Add</i>	2,004.37	
<i>For Class 55 Rating, Add</i>	2,991.49	
<i>For Class 56 Rating, Add</i>	3,965.40	
40 05 19 00-0970 EA 30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,572.02	1,251.66
<i>For Class 52 Rating, Deduct</i>	-1,504.31	
<i>For Class 54 Rating, Add</i>	2,074.09	
<i>For Class 55 Rating, Add</i>	3,095.17	
<i>For Class 56 Rating, Add</i>	4,102.57	
40 05 19 00-0971 EA 30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,040.86	1,254.56
<i>For Class 52 Rating, Deduct</i>	-1,555.40	
<i>For Class 54 Rating, Add</i>	2,143.81	
<i>For Class 55 Rating, Add</i>	3,198.84	
<i>For Class 56 Rating, Add</i>	4,239.73	
40 05 19 00-0972 EA 30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,509.70	1,257.46
<i>For Class 52 Rating, Deduct</i>	-1,606.49	
<i>For Class 54 Rating, Add</i>	2,213.53	
<i>For Class 55 Rating, Add</i>	3,302.52	
<i>For Class 56 Rating, Add</i>	4,376.90	
40 05 19 00-0973 EA 30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,978.53	1,260.37
<i>For Class 52 Rating, Deduct</i>	-1,657.58	
<i>For Class 54 Rating, Add</i>	2,283.25	
<i>For Class 55 Rating, Add</i>	3,406.19	
<i>For Class 56 Rating, Add</i>	4,514.07	
40 05 19 00-0974 EA 30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,447.37	1,263.27
<i>For Class 52 Rating, Deduct</i>	-1,708.67	
<i>For Class 54 Rating, Add</i>	2,352.97	
<i>For Class 55 Rating, Add</i>	3,509.87	
<i>For Class 56 Rating, Add</i>	4,651.24	
40 05 19 00-0975 EA 30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,916.21	1,266.18
<i>For Class 52 Rating, Deduct</i>	-1,759.75	
<i>For Class 54 Rating, Add</i>	2,422.69	
<i>For Class 55 Rating, Add</i>	3,613.54	
<i>For Class 56 Rating, Add</i>	4,788.40	
40 05 19 00-0976 EA 30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,385.05	1,269.08
<i>For Class 52 Rating, Deduct</i>	-1,810.84	
<i>For Class 54 Rating, Add</i>	2,492.40	
<i>For Class 55 Rating, Add</i>	3,717.22	
<i>For Class 56 Rating, Add</i>	4,925.57	
40 05 19 00-0977 EA 30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,853.89	1,271.98
<i>For Class 52 Rating, Deduct</i>	-1,861.93	
<i>For Class 54 Rating, Add</i>	2,562.12	
<i>For Class 55 Rating, Add</i>	3,820.89	
<i>For Class 56 Rating, Add</i>	5,062.74	
40 05 19 00-0978 EA 30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,322.73	1,274.89
<i>For Class 52 Rating, Deduct</i>	-1,913.02	
<i>For Class 54 Rating, Add</i>	2,631.84	
<i>For Class 55 Rating, Add</i>	3,924.57	
<i>For Class 56 Rating, Add</i>	5,199.91	
40 05 19 00-0979 EA 30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,791.58	1,277.80
<i>For Class 52 Rating, Deduct</i>	-1,964.11	
<i>For Class 54 Rating, Add</i>	2,701.56	
<i>For Class 55 Rating, Add</i>	4,028.25	
<i>For Class 56 Rating, Add</i>	5,337.08	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0980	EA		30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,260.41	1,280.69
			<i>For Class 52 Rating, Deduct</i>	-2,015.20	
			<i>For Class 54 Rating, Add</i>	2,771.28	
			<i>For Class 55 Rating, Add</i>	4,131.92	
			<i>For Class 56 Rating, Add</i>	5,474.24	
40 05 19 00-0981	EA		30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,729.26	1,283.60
			<i>For Class 52 Rating, Deduct</i>	-2,066.28	
			<i>For Class 54 Rating, Add</i>	2,841.00	
			<i>For Class 55 Rating, Add</i>	4,235.60	
			<i>For Class 56 Rating, Add</i>	5,611.41	
40 05 19 00-0982	EA		30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,198.09	1,286.51
			<i>For Class 52 Rating, Deduct</i>	-2,117.37	
			<i>For Class 54 Rating, Add</i>	2,910.72	
			<i>For Class 55 Rating, Add</i>	4,339.27	
			<i>For Class 56 Rating, Add</i>	5,748.58	
40 05 19 00-0983	EA		30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,666.93	1,289.41
			<i>For Class 52 Rating, Deduct</i>	-2,168.46	
			<i>For Class 54 Rating, Add</i>	2,980.43	
			<i>For Class 55 Rating, Add</i>	4,442.95	
			<i>For Class 56 Rating, Add</i>	5,885.75	
40 05 19 00-0984	EA		30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,135.76	1,292.31
			<i>For Class 52 Rating, Deduct</i>	-2,219.55	
			<i>For Class 54 Rating, Add</i>	3,050.15	
			<i>For Class 55 Rating, Add</i>	4,546.62	
			<i>For Class 56 Rating, Add</i>	6,022.91	
40 05 19 00-0985	EA		30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,604.61	1,295.22
			<i>For Class 52 Rating, Deduct</i>	-2,270.64	
			<i>For Class 54 Rating, Add</i>	3,119.87	
			<i>For Class 55 Rating, Add</i>	4,650.30	
			<i>For Class 56 Rating, Add</i>	6,160.08	
40 05 19 00-0986	EA		30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,073.44	1,298.12
			<i>For Class 52 Rating, Deduct</i>	-2,321.72	
			<i>For Class 54 Rating, Add</i>	3,189.59	
			<i>For Class 55 Rating, Add</i>	4,753.97	
			<i>For Class 56 Rating, Add</i>	6,297.25	
40 05 19 00-0987	EA		30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,542.29	1,301.03
			<i>For Class 52 Rating, Deduct</i>	-2,372.81	
			<i>For Class 54 Rating, Add</i>	3,259.31	
			<i>For Class 55 Rating, Add</i>	4,857.65	
			<i>For Class 56 Rating, Add</i>	6,434.42	
40 05 19 00-0988	EA		30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,011.12	1,303.93
			<i>For Class 52 Rating, Deduct</i>	-2,423.90	
			<i>For Class 54 Rating, Add</i>	3,329.03	
			<i>For Class 55 Rating, Add</i>	4,961.33	
			<i>For Class 56 Rating, Add</i>	6,571.59	
<b>40 05 19 00-0989</b>			<b>36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0990	EA		36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,135.58	1,515.93
			<i>For Class 52 Rating, Deduct</i>	-752.26	
			<i>For Class 54 Rating, Add</i>	1,053.37	
			<i>For Class 55 Rating, Add</i>	1,580.16	
			<i>For Class 56 Rating, Add</i>	2,100.11	
40 05 19 00-0991	EA		36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,771.77	1,518.84
			<i>For Class 52 Rating, Deduct</i>	-821.76	
			<i>For Class 54 Rating, Add</i>	1,148.19	
			<i>For Class 55 Rating, Add</i>	1,721.15	
			<i>For Class 56 Rating, Add</i>	2,286.65	
40 05 19 00-0992	EA		36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,407.96	1,521.73
			<i>For Class 52 Rating, Deduct</i>	-891.25	
			<i>For Class 54 Rating, Add</i>	1,243.01	
			<i>For Class 55 Rating, Add</i>	1,862.15	
			<i>For Class 56 Rating, Add</i>	2,473.18	
40 05 19 00-0993	EA		36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,044.15	1,524.64
			<i>For Class 52 Rating, Deduct</i>	-960.75	
			<i>For Class 54 Rating, Add</i>	1,337.83	
			<i>For Class 55 Rating, Add</i>	2,003.14	
			<i>For Class 56 Rating, Add</i>	2,659.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0994 EA 36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,680.33	1,527.55
For Class 52 Rating, Deduct	-1,030.25	
For Class 54 Rating, Add	1,432.65	
For Class 55 Rating, Add	2,144.14	
For Class 56 Rating, Add	2,846.25	
40 05 19 00-0995 EA 36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,316.52	1,530.45
For Class 52 Rating, Deduct	-1,099.74	
For Class 54 Rating, Add	1,527.48	
For Class 55 Rating, Add	2,285.13	
For Class 56 Rating, Add	3,032.79	
40 05 19 00-0996 EA 36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,952.71	1,533.35
For Class 52 Rating, Deduct	-1,169.24	
For Class 54 Rating, Add	1,622.30	
For Class 55 Rating, Add	2,426.13	
For Class 56 Rating, Add	3,219.33	
40 05 19 00-0997 EA 36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,588.90	1,536.25
For Class 52 Rating, Deduct	-1,238.74	
For Class 54 Rating, Add	1,717.12	
For Class 55 Rating, Add	2,567.12	
For Class 56 Rating, Add	3,405.86	
40 05 19 00-0998 EA 36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,225.08	1,539.16
For Class 52 Rating, Deduct	-1,308.23	
For Class 54 Rating, Add	1,811.94	
For Class 55 Rating, Add	2,708.11	
For Class 56 Rating, Add	3,592.40	
40 05 19 00-0999 EA 36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,861.27	1,542.07
For Class 52 Rating, Deduct	-1,377.73	
For Class 54 Rating, Add	1,906.76	
For Class 55 Rating, Add	2,849.11	
For Class 56 Rating, Add	3,778.93	
40 05 19 00-1000 EA 36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,497.46	1,544.96
For Class 52 Rating, Deduct	-1,447.23	
For Class 54 Rating, Add	2,001.58	
For Class 55 Rating, Add	2,990.10	
For Class 56 Rating, Add	3,965.47	
40 05 19 00-1001 EA 36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,133.65	1,547.87
For Class 52 Rating, Deduct	-1,516.72	
For Class 54 Rating, Add	2,096.40	
For Class 55 Rating, Add	3,131.10	
For Class 56 Rating, Add	4,152.00	
40 05 19 00-1002 EA 36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,769.83	1,550.78
For Class 52 Rating, Deduct	-1,566.22	
For Class 54 Rating, Add	2,191.22	
For Class 55 Rating, Add	3,272.09	
For Class 56 Rating, Add	4,338.54	
40 05 19 00-1003 EA 36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,406.02	1,553.68
For Class 52 Rating, Deduct	-1,655.72	
For Class 54 Rating, Add	2,286.04	
For Class 55 Rating, Add	3,413.08	
For Class 56 Rating, Add	4,525.07	
40 05 19 00-1004 EA 36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,042.21	1,556.58
For Class 52 Rating, Deduct	-1,725.21	
For Class 54 Rating, Add	2,380.86	
For Class 55 Rating, Add	3,554.08	
For Class 56 Rating, Add	4,711.61	
40 05 19 00-1005 EA 36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,678.40	1,559.49
For Class 52 Rating, Deduct	-1,794.71	
For Class 54 Rating, Add	2,475.69	
For Class 55 Rating, Add	3,695.07	
For Class 56 Rating, Add	4,898.15	
40 05 19 00-1006 EA 36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,314.58	1,562.39
For Class 52 Rating, Deduct	-1,864.21	
For Class 54 Rating, Add	2,570.51	
For Class 55 Rating, Add	3,836.07	
For Class 56 Rating, Add	5,084.68	
40 05 19 00-1007 EA 36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,950.77	1,565.30
For Class 52 Rating, Deduct	-1,933.70	
For Class 54 Rating, Add	2,665.33	
For Class 55 Rating, Add	3,977.06	
For Class 56 Rating, Add	5,271.22	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1008	EA		36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,586.96	1,568.20
			<i>For Class 52 Rating, Deduct</i>	-2,003.20	
			<i>For Class 54 Rating, Add</i>	2,760.15	
			<i>For Class 55 Rating, Add</i>	4,118.06	
			<i>For Class 56 Rating, Add</i>	5,457.75	
40 05 19 00-1009	EA		36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,223.15	1,571.10
			<i>For Class 52 Rating, Deduct</i>	-2,072.70	
			<i>For Class 54 Rating, Add</i>	2,854.97	
			<i>For Class 55 Rating, Add</i>	4,259.05	
			<i>For Class 56 Rating, Add</i>	5,644.29	
40 05 19 00-1010	EA		36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,859.33	1,574.01
			<i>For Class 52 Rating, Deduct</i>	-2,142.19	
			<i>For Class 54 Rating, Add</i>	2,949.79	
			<i>For Class 55 Rating, Add</i>	4,400.04	
			<i>For Class 56 Rating, Add</i>	5,830.82	
40 05 19 00-1011	EA		36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,495.52	1,576.92
			<i>For Class 52 Rating, Deduct</i>	-2,211.69	
			<i>For Class 54 Rating, Add</i>	3,044.61	
			<i>For Class 55 Rating, Add</i>	4,541.04	
			<i>For Class 56 Rating, Add</i>	6,017.36	
40 05 19 00-1012	EA		36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,131.71	1,579.81
			<i>For Class 52 Rating, Deduct</i>	-2,281.19	
			<i>For Class 54 Rating, Add</i>	3,139.43	
			<i>For Class 55 Rating, Add</i>	4,682.03	
			<i>For Class 56 Rating, Add</i>	6,203.90	
40 05 19 00-1013	EA		36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,767.90	1,582.72
			<i>For Class 52 Rating, Deduct</i>	-2,350.68	
			<i>For Class 54 Rating, Add</i>	3,234.25	
			<i>For Class 55 Rating, Add</i>	4,823.03	
			<i>For Class 56 Rating, Add</i>	6,390.43	
40 05 19 00-1014	EA		36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,404.08	1,585.63
			<i>For Class 52 Rating, Deduct</i>	-2,420.18	
			<i>For Class 54 Rating, Add</i>	3,329.07	
			<i>For Class 55 Rating, Add</i>	4,964.02	
			<i>For Class 56 Rating, Add</i>	6,576.97	
40 05 19 00-1015	EA		36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,040.27	1,588.53
			<i>For Class 52 Rating, Deduct</i>	-2,489.68	
			<i>For Class 54 Rating, Add</i>	3,423.89	
			<i>For Class 55 Rating, Add</i>	5,105.02	
			<i>For Class 56 Rating, Add</i>	6,763.50	
40 05 19 00-1016	EA		36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,676.46	1,591.44
			<i>For Class 52 Rating, Deduct</i>	-2,559.17	
			<i>For Class 54 Rating, Add</i>	3,518.72	
			<i>For Class 55 Rating, Add</i>	5,246.01	
			<i>For Class 56 Rating, Add</i>	6,950.04	
40 05 19 00-1017	EA		36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,312.65	1,594.33
			<i>For Class 52 Rating, Deduct</i>	-2,628.67	
			<i>For Class 54 Rating, Add</i>	3,613.54	
			<i>For Class 55 Rating, Add</i>	5,387.00	
			<i>For Class 56 Rating, Add</i>	7,136.58	
40 05 19 00-1018	EA		36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,948.83	1,597.24
			<i>For Class 52 Rating, Deduct</i>	-2,698.16	
			<i>For Class 54 Rating, Add</i>	3,708.36	
			<i>For Class 55 Rating, Add</i>	5,528.00	
			<i>For Class 56 Rating, Add</i>	7,323.11	
40 05 19 00-1019	EA		36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,585.02	1,600.15
			<i>For Class 52 Rating, Deduct</i>	-2,767.66	
			<i>For Class 54 Rating, Add</i>	3,803.18	
			<i>For Class 55 Rating, Add</i>	5,668.99	
			<i>For Class 56 Rating, Add</i>	7,509.65	
40 05 19 00-1020	EA		36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,221.21	1,603.05
			<i>For Class 52 Rating, Deduct</i>	-2,837.16	
			<i>For Class 54 Rating, Add</i>	3,898.00	
			<i>For Class 55 Rating, Add</i>	5,809.99	
			<i>For Class 56 Rating, Add</i>	7,696.18	
40 05 19 00-1021	EA		36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,857.40	1,605.95
			<i>For Class 52 Rating, Deduct</i>	-2,906.66	
			<i>For Class 54 Rating, Add</i>	3,992.82	
			<i>For Class 55 Rating, Add</i>	5,950.98	
			<i>For Class 56 Rating, Add</i>	7,882.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1022 EA 36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,493.58	1,608.86
For Class 52 Rating, Deduct	-2,976.15	
For Class 54 Rating, Add	4,087.64	
For Class 55 Rating, Add	6,091.97	
For Class 56 Rating, Add	8,069.25	
40 05 19 00-1023 EA 36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,129.77	1,611.76
For Class 52 Rating, Deduct	-3,045.65	
For Class 54 Rating, Add	4,182.46	
For Class 55 Rating, Add	6,232.97	
For Class 56 Rating, Add	8,255.79	
40 05 19 00-1024 EA 36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,765.96	1,614.67
For Class 52 Rating, Deduct	-3,115.15	
For Class 54 Rating, Add	4,277.28	
For Class 55 Rating, Add	6,373.96	
For Class 56 Rating, Add	8,442.33	
40 05 19 00-1025 EA 36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,402.15	1,617.57
For Class 52 Rating, Deduct	-3,184.64	
For Class 54 Rating, Add	4,372.10	
For Class 55 Rating, Add	6,514.96	
For Class 56 Rating, Add	8,628.86	
40 05 19 00-1026 EA 36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,038.33	1,620.47
For Class 52 Rating, Deduct	-3,254.14	
For Class 54 Rating, Add	4,466.92	
For Class 55 Rating, Add	6,655.95	
For Class 56 Rating, Add	8,815.40	
40 05 19 00-1027 EA 36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,674.52	1,623.38
For Class 52 Rating, Deduct	-3,323.63	
For Class 54 Rating, Add	4,561.74	
For Class 55 Rating, Add	6,796.95	
For Class 56 Rating, Add	9,001.93	
<b>40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0001)</small>		
<b>40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1030 EA 4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	487.83	142.03
For Class 52 Rating, Deduct	-29.99	
For Class 54 Rating, Add	43.48	
For Class 55 Rating, Add	65.97	
For Class 56 Rating, Add	88.18	
40 05 19 00-1031 EA 4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	540.48	144.51
For Class 52 Rating, Deduct	-35.37	
For Class 54 Rating, Add	50.86	
For Class 55 Rating, Add	76.96	
For Class 56 Rating, Add	102.73	
40 05 19 00-1032 EA 4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	593.13	147.00
For Class 52 Rating, Deduct	-40.75	
For Class 54 Rating, Add	58.24	
For Class 55 Rating, Add	87.95	
For Class 56 Rating, Add	117.29	
40 05 19 00-1033 EA 4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	645.78	149.47
For Class 52 Rating, Deduct	-46.12	
For Class 54 Rating, Add	65.61	
For Class 55 Rating, Add	98.94	
For Class 56 Rating, Add	131.85	
40 05 19 00-1034 EA 4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	698.44	151.96
For Class 52 Rating, Deduct	-51.50	
For Class 54 Rating, Add	72.99	
For Class 55 Rating, Add	109.93	
For Class 56 Rating, Add	146.41	
40 05 19 00-1035 EA 4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	751.09	154.45
For Class 52 Rating, Deduct	-56.88	
For Class 54 Rating, Add	80.37	
For Class 55 Rating, Add	120.93	
For Class 56 Rating, Add	160.97	
40 05 19 00-1036 EA 4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	803.74	156.93
For Class 52 Rating, Deduct	-62.26	
For Class 54 Rating, Add	87.75	
For Class 55 Rating, Add	131.92	
For Class 56 Rating, Add	175.52	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1037	EA		4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	856.39	159.41
			<i>For Class 52 Rating, Deduct</i>	-67.63	
			<i>For Class 54 Rating, Add</i>	95.13	
			<i>For Class 55 Rating, Add</i>	142.91	
			<i>For Class 56 Rating, Add</i>	190.08	
40 05 19 00-1038	EA		4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	909.04	161.90
			<i>For Class 52 Rating, Deduct</i>	-73.01	
			<i>For Class 54 Rating, Add</i>	102.51	
			<i>For Class 55 Rating, Add</i>	153.90	
			<i>For Class 56 Rating, Add</i>	204.64	
40 05 19 00-1039	EA		4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	961.68	164.37
			<i>For Class 52 Rating, Deduct</i>	-78.39	
			<i>For Class 54 Rating, Add</i>	109.88	
			<i>For Class 55 Rating, Add</i>	164.90	
			<i>For Class 56 Rating, Add</i>	219.19	
40 05 19 00-1040	EA		4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,014.34	166.85
			<i>For Class 52 Rating, Deduct</i>	-83.77	
			<i>For Class 54 Rating, Add</i>	117.26	
			<i>For Class 55 Rating, Add</i>	175.89	
			<i>For Class 56 Rating, Add</i>	233.75	
40 05 19 00-1041	EA		4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,066.99	169.33
			<i>For Class 52 Rating, Deduct</i>	-89.15	
			<i>For Class 54 Rating, Add</i>	124.64	
			<i>For Class 55 Rating, Add</i>	186.88	
			<i>For Class 56 Rating, Add</i>	248.31	
40 05 19 00-1042	EA		4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,119.64	171.82
			<i>For Class 52 Rating, Deduct</i>	-94.52	
			<i>For Class 54 Rating, Add</i>	132.02	
			<i>For Class 55 Rating, Add</i>	197.87	
			<i>For Class 56 Rating, Add</i>	262.87	
40 05 19 00-1043	EA		4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,172.28	174.31
			<i>For Class 52 Rating, Deduct</i>	-99.90	
			<i>For Class 54 Rating, Add</i>	139.40	
			<i>For Class 55 Rating, Add</i>	208.86	
			<i>For Class 56 Rating, Add</i>	277.42	
40 05 19 00-1044	EA		4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,224.94	176.78
			<i>For Class 52 Rating, Deduct</i>	-105.28	
			<i>For Class 54 Rating, Add</i>	146.78	
			<i>For Class 55 Rating, Add</i>	219.86	
			<i>For Class 56 Rating, Add</i>	291.98	
40 05 19 00-1045	EA		4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,277.59	179.27
			<i>For Class 52 Rating, Deduct</i>	-110.66	
			<i>For Class 54 Rating, Add</i>	154.15	
			<i>For Class 55 Rating, Add</i>	230.85	
			<i>For Class 56 Rating, Add</i>	306.54	
40 05 19 00-1046	EA		4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,330.24	181.76
			<i>For Class 52 Rating, Deduct</i>	-116.03	
			<i>For Class 54 Rating, Add</i>	161.53	
			<i>For Class 55 Rating, Add</i>	241.84	
			<i>For Class 56 Rating, Add</i>	321.10	
40 05 19 00-1047	EA		4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,382.90	184.23
			<i>For Class 52 Rating, Deduct</i>	-121.41	
			<i>For Class 54 Rating, Add</i>	168.91	
			<i>For Class 55 Rating, Add</i>	252.84	
			<i>For Class 56 Rating, Add</i>	335.66	
40 05 19 00-1048	EA		4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,435.54	186.72
			<i>For Class 52 Rating, Deduct</i>	-126.79	
			<i>For Class 54 Rating, Add</i>	176.29	
			<i>For Class 55 Rating, Add</i>	263.83	
			<i>For Class 56 Rating, Add</i>	350.21	
40 05 19 00-1049	EA		4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,488.18	189.20
			<i>For Class 52 Rating, Deduct</i>	-132.17	
			<i>For Class 54 Rating, Add</i>	183.67	
			<i>For Class 55 Rating, Add</i>	274.82	
			<i>For Class 56 Rating, Add</i>	364.77	
40 05 19 00-1050	EA		4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,540.84	191.69
			<i>For Class 52 Rating, Deduct</i>	-137.55	
			<i>For Class 54 Rating, Add</i>	191.05	
			<i>For Class 55 Rating, Add</i>	285.81	
			<i>For Class 56 Rating, Add</i>	379.33	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1051 EA 4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,593.49	194.17
<i>For Class 52 Rating, Deduct</i>	-142.92	
<i>For Class 54 Rating, Add</i>	198.43	
<i>For Class 55 Rating, Add</i>	296.80	
<i>For Class 56 Rating, Add</i>	393.88	
40 05 19 00-1052 EA 4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,646.14	196.65
<i>For Class 52 Rating, Deduct</i>	-148.30	
<i>For Class 54 Rating, Add</i>	205.80	
<i>For Class 55 Rating, Add</i>	307.80	
<i>For Class 56 Rating, Add</i>	408.44	
40 05 19 00-1053 EA 4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,698.80	199.14
<i>For Class 52 Rating, Deduct</i>	-153.68	
<i>For Class 54 Rating, Add</i>	213.18	
<i>For Class 55 Rating, Add</i>	318.79	
<i>For Class 56 Rating, Add</i>	423.00	
40 05 19 00-1054 EA 4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,751.45	201.62
<i>For Class 52 Rating, Deduct</i>	-159.06	
<i>For Class 54 Rating, Add</i>	220.56	
<i>For Class 55 Rating, Add</i>	329.78	
<i>For Class 56 Rating, Add</i>	437.56	
40 05 19 00-1055 EA 4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,804.09	204.10
<i>For Class 52 Rating, Deduct</i>	-164.43	
<i>For Class 54 Rating, Add</i>	227.94	
<i>For Class 55 Rating, Add</i>	340.77	
<i>For Class 56 Rating, Add</i>	452.11	
40 05 19 00-1056 EA 4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,856.75	206.59
<i>For Class 52 Rating, Deduct</i>	-169.81	
<i>For Class 54 Rating, Add</i>	235.32	
<i>For Class 55 Rating, Add</i>	351.77	
<i>For Class 56 Rating, Add</i>	466.67	
40 05 19 00-1057 EA 4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,909.39	209.07
<i>For Class 52 Rating, Deduct</i>	-175.19	
<i>For Class 54 Rating, Add</i>	242.70	
<i>For Class 55 Rating, Add</i>	362.76	
<i>For Class 56 Rating, Add</i>	481.23	
40 05 19 00-1058 EA 4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,962.04	211.55
<i>For Class 52 Rating, Deduct</i>	-180.57	
<i>For Class 54 Rating, Add</i>	250.07	
<i>For Class 55 Rating, Add</i>	373.75	
<i>For Class 56 Rating, Add</i>	495.79	
40 05 19 00-1059 EA 4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,014.70	214.04
<i>For Class 52 Rating, Deduct</i>	-185.95	
<i>For Class 54 Rating, Add</i>	257.45	
<i>For Class 55 Rating, Add</i>	384.74	
<i>For Class 56 Rating, Add</i>	510.35	
40 05 19 00-1060 EA 4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,067.35	216.52
<i>For Class 52 Rating, Deduct</i>	-191.32	
<i>For Class 54 Rating, Add</i>	264.83	
<i>For Class 55 Rating, Add</i>	395.74	
<i>For Class 56 Rating, Add</i>	524.90	
40 05 19 00-1061 EA 4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,119.99	219.00
<i>For Class 52 Rating, Deduct</i>	-196.70	
<i>For Class 54 Rating, Add</i>	272.21	
<i>For Class 55 Rating, Add</i>	406.73	
<i>For Class 56 Rating, Add</i>	539.46	
40 05 19 00-1062 EA 4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,172.65	221.48
<i>For Class 52 Rating, Deduct</i>	-202.08	
<i>For Class 54 Rating, Add</i>	279.59	
<i>For Class 55 Rating, Add</i>	417.72	
<i>For Class 56 Rating, Add</i>	554.02	
40 05 19 00-1063 EA 4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,225.30	223.96
<i>For Class 52 Rating, Deduct</i>	-207.46	
<i>For Class 54 Rating, Add</i>	286.97	
<i>For Class 55 Rating, Add</i>	428.71	
<i>For Class 56 Rating, Add</i>	568.57	
40 05 19 00-1064 EA 4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,277.95	226.45
<i>For Class 52 Rating, Deduct</i>	-212.83	
<i>For Class 54 Rating, Add</i>	294.34	
<i>For Class 55 Rating, Add</i>	439.71	
<i>For Class 56 Rating, Add</i>	583.13	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1065	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,330.60	228.92
		<i>For Class 52 Rating, Deduct</i>		-218.21	
		<i>For Class 54 Rating, Add</i>		301.72	
		<i>For Class 55 Rating, Add</i>		450.70	
		<i>For Class 56 Rating, Add</i>		597.69	
40 05 19 00-1066	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,383.25	231.41
		<i>For Class 52 Rating, Deduct</i>		-223.59	
		<i>For Class 54 Rating, Add</i>		309.10	
		<i>For Class 55 Rating, Add</i>		461.69	
		<i>For Class 56 Rating, Add</i>		612.25	
40 05 19 00-1067	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,435.89	233.90
		<i>For Class 52 Rating, Deduct</i>		-228.97	
		<i>For Class 54 Rating, Add</i>		316.48	
		<i>For Class 55 Rating, Add</i>		472.68	
		<i>For Class 56 Rating, Add</i>		626.80	
40 05 19 00-1068	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,488.55	236.38
		<i>For Class 52 Rating, Deduct</i>		-234.34	
		<i>For Class 54 Rating, Add</i>		323.86	
		<i>For Class 55 Rating, Add</i>		483.67	
		<i>For Class 56 Rating, Add</i>		641.36	
40 05 19 00-1069		<b>6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>			
40 05 19 00-1070	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		611.21	178.78
		<i>For Class 52 Rating, Deduct</i>		-37.44	
		<i>For Class 54 Rating, Add</i>		54.30	
		<i>For Class 55 Rating, Add</i>		82.40	
		<i>For Class 56 Rating, Add</i>		110.15	
40 05 19 00-1071	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		675.15	181.27
		<i>For Class 52 Rating, Deduct</i>		-44.06	
		<i>For Class 54 Rating, Add</i>		63.37	
		<i>For Class 55 Rating, Add</i>		95.91	
		<i>For Class 56 Rating, Add</i>		128.04	
40 05 19 00-1072	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		739.08	183.74
		<i>For Class 52 Rating, Deduct</i>		-50.67	
		<i>For Class 54 Rating, Add</i>		72.44	
		<i>For Class 55 Rating, Add</i>		109.41	
		<i>For Class 56 Rating, Add</i>		145.92	
40 05 19 00-1073	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		803.00	186.22
		<i>For Class 52 Rating, Deduct</i>		-57.29	
		<i>For Class 54 Rating, Add</i>		81.51	
		<i>For Class 55 Rating, Add</i>		122.92	
		<i>For Class 56 Rating, Add</i>		163.81	
40 05 19 00-1074	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		866.94	188.71
		<i>For Class 52 Rating, Deduct</i>		-63.91	
		<i>For Class 54 Rating, Add</i>		90.58	
		<i>For Class 55 Rating, Add</i>		136.43	
		<i>For Class 56 Rating, Add</i>		181.69	
40 05 19 00-1075	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		930.87	191.18
		<i>For Class 52 Rating, Deduct</i>		-70.53	
		<i>For Class 54 Rating, Add</i>		99.65	
		<i>For Class 55 Rating, Add</i>		149.94	
		<i>For Class 56 Rating, Add</i>		199.58	
40 05 19 00-1076	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		994.80	193.67
		<i>For Class 52 Rating, Deduct</i>		-77.15	
		<i>For Class 54 Rating, Add</i>		108.73	
		<i>For Class 55 Rating, Add</i>		163.45	
		<i>For Class 56 Rating, Add</i>		217.47	
40 05 19 00-1077	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,058.74	196.15
		<i>For Class 52 Rating, Deduct</i>		-83.77	
		<i>For Class 54 Rating, Add</i>		117.80	
		<i>For Class 55 Rating, Add</i>		176.95	
		<i>For Class 56 Rating, Add</i>		235.35	
40 05 19 00-1078	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,122.67	198.64
		<i>For Class 52 Rating, Deduct</i>		-90.39	
		<i>For Class 54 Rating, Add</i>		126.87	
		<i>For Class 55 Rating, Add</i>		190.46	
		<i>For Class 56 Rating, Add</i>		253.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1079 EA 6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,186.60	201.12
<i>For Class 52 Rating, Deduct</i>	-97.01	
<i>For Class 54 Rating, Add</i>	135.94	
<i>For Class 55 Rating, Add</i>	203.97	
<i>For Class 56 Rating, Add</i>	271.12	
40 05 19 00-1080 EA 6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,250.53	203.60
<i>For Class 52 Rating, Deduct</i>	-103.62	
<i>For Class 54 Rating, Add</i>	145.01	
<i>For Class 55 Rating, Add</i>	217.48	
<i>For Class 56 Rating, Add</i>	289.01	
40 05 19 00-1081 EA 6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,314.47	206.09
<i>For Class 52 Rating, Deduct</i>	-110.24	
<i>For Class 54 Rating, Add</i>	154.08	
<i>For Class 55 Rating, Add</i>	230.99	
<i>For Class 56 Rating, Add</i>	306.89	
40 05 19 00-1082 EA 6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,378.39	208.56
<i>For Class 52 Rating, Deduct</i>	-116.86	
<i>For Class 54 Rating, Add</i>	163.15	
<i>For Class 55 Rating, Add</i>	244.49	
<i>For Class 56 Rating, Add</i>	324.78	
40 05 19 00-1083 EA 6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,442.32	211.05
<i>For Class 52 Rating, Deduct</i>	-123.48	
<i>For Class 54 Rating, Add</i>	172.22	
<i>For Class 55 Rating, Add</i>	258.00	
<i>For Class 56 Rating, Add</i>	342.66	
40 05 19 00-1084 EA 6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,506.26	213.54
<i>For Class 52 Rating, Deduct</i>	-130.10	
<i>For Class 54 Rating, Add</i>	181.29	
<i>For Class 55 Rating, Add</i>	271.51	
<i>For Class 56 Rating, Add</i>	360.55	
40 05 19 00-1085 EA 6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,570.19	216.02
<i>For Class 52 Rating, Deduct</i>	-136.72	
<i>For Class 54 Rating, Add</i>	190.36	
<i>For Class 55 Rating, Add</i>	285.02	
<i>For Class 56 Rating, Add</i>	378.44	
40 05 19 00-1086 EA 6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,634.12	218.50
<i>For Class 52 Rating, Deduct</i>	-143.34	
<i>For Class 54 Rating, Add</i>	199.43	
<i>For Class 55 Rating, Add</i>	298.53	
<i>For Class 56 Rating, Add</i>	396.32	
40 05 19 00-1087 EA 6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,698.06	220.99
<i>For Class 52 Rating, Deduct</i>	-149.96	
<i>For Class 54 Rating, Add</i>	208.50	
<i>For Class 55 Rating, Add</i>	312.04	
<i>For Class 56 Rating, Add</i>	414.21	
40 05 19 00-1088 EA 6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,761.99	223.47
<i>For Class 52 Rating, Deduct</i>	-156.57	
<i>For Class 54 Rating, Add</i>	217.57	
<i>For Class 55 Rating, Add</i>	325.54	
<i>For Class 56 Rating, Add</i>	432.09	
40 05 19 00-1089 EA 6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,825.92	225.96
<i>For Class 52 Rating, Deduct</i>	-163.19	
<i>For Class 54 Rating, Add</i>	226.64	
<i>For Class 55 Rating, Add</i>	339.05	
<i>For Class 56 Rating, Add</i>	449.98	
40 05 19 00-1090 EA 6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,889.86	228.43
<i>For Class 52 Rating, Deduct</i>	-169.81	
<i>For Class 54 Rating, Add</i>	235.71	
<i>For Class 55 Rating, Add</i>	352.56	
<i>For Class 56 Rating, Add</i>	467.86	
40 05 19 00-1091 EA 6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,953.78	230.92
<i>For Class 52 Rating, Deduct</i>	-176.43	
<i>For Class 54 Rating, Add</i>	244.78	
<i>For Class 55 Rating, Add</i>	366.07	
<i>For Class 56 Rating, Add</i>	485.75	
40 05 19 00-1092 EA 6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,017.71	233.41
<i>For Class 52 Rating, Deduct</i>	-183.05	
<i>For Class 54 Rating, Add</i>	253.86	
<i>For Class 55 Rating, Add</i>	379.58	
<i>For Class 56 Rating, Add</i>	503.63	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1093	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,081.65	235.88
		<i>For Class 52 Rating, Deduct</i>		-189.67	
		<i>For Class 54 Rating, Add</i>		262.93	
		<i>For Class 55 Rating, Add</i>		393.09	
		<i>For Class 56 Rating, Add</i>		521.52	
40 05 19 00-1094	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,145.58	238.37
		<i>For Class 52 Rating, Deduct</i>		-196.29	
		<i>For Class 54 Rating, Add</i>		272.00	
		<i>For Class 55 Rating, Add</i>		406.59	
		<i>For Class 56 Rating, Add</i>		539.41	
40 05 19 00-1095	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,209.51	240.85
		<i>For Class 52 Rating, Deduct</i>		-202.90	
		<i>For Class 54 Rating, Add</i>		281.07	
		<i>For Class 55 Rating, Add</i>		420.10	
		<i>For Class 56 Rating, Add</i>		557.29	
40 05 19 00-1096	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,273.45	243.33
		<i>For Class 52 Rating, Deduct</i>		-209.52	
		<i>For Class 54 Rating, Add</i>		290.14	
		<i>For Class 55 Rating, Add</i>		433.61	
		<i>For Class 56 Rating, Add</i>		575.18	
40 05 19 00-1097	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,337.38	245.81
		<i>For Class 52 Rating, Deduct</i>		-216.14	
		<i>For Class 54 Rating, Add</i>		299.21	
		<i>For Class 55 Rating, Add</i>		447.12	
		<i>For Class 56 Rating, Add</i>		593.06	
40 05 19 00-1098	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,401.31	248.30
		<i>For Class 52 Rating, Deduct</i>		-222.76	
		<i>For Class 54 Rating, Add</i>		308.28	
		<i>For Class 55 Rating, Add</i>		460.63	
		<i>For Class 56 Rating, Add</i>		610.95	
40 05 19 00-1099	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,465.25	250.78
		<i>For Class 52 Rating, Deduct</i>		-229.38	
		<i>For Class 54 Rating, Add</i>		317.35	
		<i>For Class 55 Rating, Add</i>		474.13	
		<i>For Class 56 Rating, Add</i>		628.83	
40 05 19 00-1100	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,529.18	253.26
		<i>For Class 52 Rating, Deduct</i>		-236.00	
		<i>For Class 54 Rating, Add</i>		326.42	
		<i>For Class 55 Rating, Add</i>		487.64	
		<i>For Class 56 Rating, Add</i>		646.72	
40 05 19 00-1101	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,593.11	255.74
		<i>For Class 52 Rating, Deduct</i>		-242.62	
		<i>For Class 54 Rating, Add</i>		335.49	
		<i>For Class 55 Rating, Add</i>		501.15	
		<i>For Class 56 Rating, Add</i>		664.61	
40 05 19 00-1102	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,657.05	258.23
		<i>For Class 52 Rating, Deduct</i>		-249.24	
		<i>For Class 54 Rating, Add</i>		344.56	
		<i>For Class 55 Rating, Add</i>		514.66	
		<i>For Class 56 Rating, Add</i>		682.49	
40 05 19 00-1103	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,720.98	260.72
		<i>For Class 52 Rating, Deduct</i>		-255.86	
		<i>For Class 54 Rating, Add</i>		353.63	
		<i>For Class 55 Rating, Add</i>		528.17	
		<i>For Class 56 Rating, Add</i>		700.38	
40 05 19 00-1104	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,784.91	263.19
		<i>For Class 52 Rating, Deduct</i>		-262.47	
		<i>For Class 54 Rating, Add</i>		362.70	
		<i>For Class 55 Rating, Add</i>		541.68	
		<i>For Class 56 Rating, Add</i>		718.26	
40 05 19 00-1105	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,848.85	265.68
		<i>For Class 52 Rating, Deduct</i>		-269.09	
		<i>For Class 54 Rating, Add</i>		371.78	
		<i>For Class 55 Rating, Add</i>		555.19	
		<i>For Class 56 Rating, Add</i>		736.15	
40 05 19 00-1106	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,912.78	268.17
		<i>For Class 52 Rating, Deduct</i>		-275.71	
		<i>For Class 54 Rating, Add</i>		380.85	
		<i>For Class 55 Rating, Add</i>		568.69	
		<i>For Class 56 Rating, Add</i>		754.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1107 EA 6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,976.71	270.64
For Class 52 Rating, Deduct	-282.33	
For Class 54 Rating, Add	389.92	
For Class 55 Rating, Add	582.20	
For Class 56 Rating, Add	771.92	
40 05 19 00-1108 EA 6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,040.65	273.13
For Class 52 Rating, Deduct	-288.95	
For Class 54 Rating, Add	398.99	
For Class 55 Rating, Add	595.71	
For Class 56 Rating, Add	789.81	
<b>40 05 19 00-1109 8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1110 EA 8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	840.64	228.43
For Class 52 Rating, Deduct	-54.40	
For Class 54 Rating, Add	78.33	
For Class 55 Rating, Add	118.58	
For Class 56 Rating, Add	158.34	
40 05 19 00-1111 EA 8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	927.13	230.92
For Class 52 Rating, Deduct	-63.50	
For Class 54 Rating, Add	90.79	
For Class 55 Rating, Add	137.13	
For Class 56 Rating, Add	182.89	
40 05 19 00-1112 EA 8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,013.62	233.41
For Class 52 Rating, Deduct	-72.60	
For Class 54 Rating, Add	103.24	
For Class 55 Rating, Add	155.66	
For Class 56 Rating, Add	207.43	
40 05 19 00-1113 EA 8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,100.13	235.88
For Class 52 Rating, Deduct	-81.70	
For Class 54 Rating, Add	115.70	
For Class 55 Rating, Add	174.21	
For Class 56 Rating, Add	231.97	
40 05 19 00-1114 EA 8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,186.62	238.37
For Class 52 Rating, Deduct	-90.80	
For Class 54 Rating, Add	128.15	
For Class 55 Rating, Add	192.75	
For Class 56 Rating, Add	256.51	
40 05 19 00-1115 EA 8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,273.11	240.85
For Class 52 Rating, Deduct	-99.90	
For Class 54 Rating, Add	140.61	
For Class 55 Rating, Add	211.28	
For Class 56 Rating, Add	281.05	
40 05 19 00-1116 EA 8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,359.62	243.33
For Class 52 Rating, Deduct	-109.00	
For Class 54 Rating, Add	153.06	
For Class 55 Rating, Add	229.83	
For Class 56 Rating, Add	305.60	
40 05 19 00-1117 EA 8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,446.11	245.81
For Class 52 Rating, Deduct	-118.10	
For Class 54 Rating, Add	165.52	
For Class 55 Rating, Add	248.36	
For Class 56 Rating, Add	330.14	
40 05 19 00-1118 EA 8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,532.61	248.30
For Class 52 Rating, Deduct	-127.20	
For Class 54 Rating, Add	177.97	
For Class 55 Rating, Add	266.91	
For Class 56 Rating, Add	354.68	
40 05 19 00-1119 EA 8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,619.11	250.78
For Class 52 Rating, Deduct	-136.30	
For Class 54 Rating, Add	190.43	
For Class 55 Rating, Add	285.45	
For Class 56 Rating, Add	379.22	
40 05 19 00-1120 EA 8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,705.59	253.26
For Class 52 Rating, Deduct	-145.40	
For Class 54 Rating, Add	202.88	
For Class 55 Rating, Add	303.98	
For Class 56 Rating, Add	403.76	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1121	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,792.09	255.74
		<i>For Class 52 Rating, Deduct</i>		-154.51	
		<i>For Class 54 Rating, Add</i>		215.34	
		<i>For Class 55 Rating, Add</i>		322.53	
		<i>For Class 56 Rating, Add</i>		428.31	
40 05 19 00-1122	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,878.59	258.23
		<i>For Class 52 Rating, Deduct</i>		-163.61	
		<i>For Class 54 Rating, Add</i>		227.79	
		<i>For Class 55 Rating, Add</i>		341.06	
		<i>For Class 56 Rating, Add</i>		452.85	
40 05 19 00-1123	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,965.09	260.72
		<i>For Class 52 Rating, Deduct</i>		-172.71	
		<i>For Class 54 Rating, Add</i>		240.25	
		<i>For Class 55 Rating, Add</i>		359.61	
		<i>For Class 56 Rating, Add</i>		477.39	
40 05 19 00-1124	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,051.58	263.19
		<i>For Class 52 Rating, Deduct</i>		-181.81	
		<i>For Class 54 Rating, Add</i>		252.71	
		<i>For Class 55 Rating, Add</i>		378.15	
		<i>For Class 56 Rating, Add</i>		501.93	
40 05 19 00-1125	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,138.09	265.68
		<i>For Class 52 Rating, Deduct</i>		-190.91	
		<i>For Class 54 Rating, Add</i>		265.16	
		<i>For Class 55 Rating, Add</i>		396.69	
		<i>For Class 56 Rating, Add</i>		526.48	
40 05 19 00-1126	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,224.58	268.17
		<i>For Class 52 Rating, Deduct</i>		-200.01	
		<i>For Class 54 Rating, Add</i>		277.62	
		<i>For Class 55 Rating, Add</i>		415.23	
		<i>For Class 56 Rating, Add</i>		551.02	
40 05 19 00-1127	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,311.07	270.64
		<i>For Class 52 Rating, Deduct</i>		-209.11	
		<i>For Class 54 Rating, Add</i>		290.07	
		<i>For Class 55 Rating, Add</i>		433.76	
		<i>For Class 56 Rating, Add</i>		575.56	
40 05 19 00-1128	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,397.58	273.13
		<i>For Class 52 Rating, Deduct</i>		-218.21	
		<i>For Class 54 Rating, Add</i>		302.53	
		<i>For Class 55 Rating, Add</i>		452.31	
		<i>For Class 56 Rating, Add</i>		600.10	
40 05 19 00-1129	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,484.06	275.61
		<i>For Class 52 Rating, Deduct</i>		-227.31	
		<i>For Class 54 Rating, Add</i>		314.98	
		<i>For Class 55 Rating, Add</i>		470.84	
		<i>For Class 56 Rating, Add</i>		624.64	
40 05 19 00-1130	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,570.56	278.10
		<i>For Class 52 Rating, Deduct</i>		-236.41	
		<i>For Class 54 Rating, Add</i>		327.44	
		<i>For Class 55 Rating, Add</i>		489.39	
		<i>For Class 56 Rating, Add</i>		649.19	
40 05 19 00-1131	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,657.06	280.58
		<i>For Class 52 Rating, Deduct</i>		-245.51	
		<i>For Class 54 Rating, Add</i>		339.89	
		<i>For Class 55 Rating, Add</i>		507.93	
		<i>For Class 56 Rating, Add</i>		673.73	
40 05 19 00-1132	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,743.55	283.06
		<i>For Class 52 Rating, Deduct</i>		-254.61	
		<i>For Class 54 Rating, Add</i>		352.35	
		<i>For Class 55 Rating, Add</i>		526.46	
		<i>For Class 56 Rating, Add</i>		698.27	
40 05 19 00-1133	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,830.05	285.55
		<i>For Class 52 Rating, Deduct</i>		-263.72	
		<i>For Class 54 Rating, Add</i>		364.80	
		<i>For Class 55 Rating, Add</i>		545.01	
		<i>For Class 56 Rating, Add</i>		722.81	
40 05 19 00-1134	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,916.54	288.04
		<i>For Class 52 Rating, Deduct</i>		-272.82	
		<i>For Class 54 Rating, Add</i>		377.26	
		<i>For Class 55 Rating, Add</i>		563.54	
		<i>For Class 56 Rating, Add</i>		747.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1135 EA 8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,003.05	290.51
<i>For Class 52 Rating, Deduct</i>	-281.92	
<i>For Class 54 Rating, Add</i>	389.71	
<i>For Class 55 Rating, Add</i>	582.09	
<i>For Class 56 Rating, Add</i>	771.90	
40 05 19 00-1136 EA 8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,089.54	292.99
<i>For Class 52 Rating, Deduct</i>	-291.02	
<i>For Class 54 Rating, Add</i>	402.17	
<i>For Class 55 Rating, Add</i>	600.63	
<i>For Class 56 Rating, Add</i>	796.44	
40 05 19 00-1137 EA 8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,176.03	295.47
<i>For Class 52 Rating, Deduct</i>	-300.12	
<i>For Class 54 Rating, Add</i>	414.62	
<i>For Class 55 Rating, Add</i>	619.16	
<i>For Class 56 Rating, Add</i>	820.98	
40 05 19 00-1138 EA 8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,262.53	297.95
<i>For Class 52 Rating, Deduct</i>	-309.22	
<i>For Class 54 Rating, Add</i>	427.08	
<i>For Class 55 Rating, Add</i>	637.71	
<i>For Class 56 Rating, Add</i>	845.52	
40 05 19 00-1139 EA 8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,349.02	300.44
<i>For Class 52 Rating, Deduct</i>	-318.32	
<i>For Class 54 Rating, Add</i>	439.53	
<i>For Class 55 Rating, Add</i>	656.24	
<i>For Class 56 Rating, Add</i>	870.06	
40 05 19 00-1140 EA 8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,435.52	302.92
<i>For Class 52 Rating, Deduct</i>	-327.42	
<i>For Class 54 Rating, Add</i>	451.99	
<i>For Class 55 Rating, Add</i>	674.79	
<i>For Class 56 Rating, Add</i>	894.61	
40 05 19 00-1141 EA 8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,522.02	305.41
<i>For Class 52 Rating, Deduct</i>	-336.52	
<i>For Class 54 Rating, Add</i>	464.44	
<i>For Class 55 Rating, Add</i>	693.33	
<i>For Class 56 Rating, Add</i>	919.15	
40 05 19 00-1142 EA 8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,608.51	307.88
<i>For Class 52 Rating, Deduct</i>	-345.62	
<i>For Class 54 Rating, Add</i>	476.90	
<i>For Class 55 Rating, Add</i>	711.86	
<i>For Class 56 Rating, Add</i>	943.69	
40 05 19 00-1143 EA 8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,695.01	310.37
<i>For Class 52 Rating, Deduct</i>	-354.72	
<i>For Class 54 Rating, Add</i>	489.36	
<i>For Class 55 Rating, Add</i>	730.41	
<i>For Class 56 Rating, Add</i>	968.23	
40 05 19 00-1144 EA 8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,781.51	312.86
<i>For Class 52 Rating, Deduct</i>	-363.82	
<i>For Class 54 Rating, Add</i>	501.81	
<i>For Class 55 Rating, Add</i>	748.94	
<i>For Class 56 Rating, Add</i>	992.77	
40 05 19 00-1145 EA 8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,868.01	315.33
<i>For Class 52 Rating, Deduct</i>	-372.92	
<i>For Class 54 Rating, Add</i>	514.27	
<i>For Class 55 Rating, Add</i>	767.49	
<i>For Class 56 Rating, Add</i>	1,017.32	
40 05 19 00-1146 EA 8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,954.49	317.82
<i>For Class 52 Rating, Deduct</i>	-382.02	
<i>For Class 54 Rating, Add</i>	526.72	
<i>For Class 55 Rating, Add</i>	786.02	
<i>For Class 56 Rating, Add</i>	1,041.86	
40 05 19 00-1147 EA 8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,041.00	320.31
<i>For Class 52 Rating, Deduct</i>	-391.13	
<i>For Class 54 Rating, Add</i>	539.18	
<i>For Class 55 Rating, Add</i>	804.57	
<i>For Class 56 Rating, Add</i>	1,066.40	
40 05 19 00-1148 EA 8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,127.49	322.79
<i>For Class 52 Rating, Deduct</i>	-400.23	
<i>For Class 54 Rating, Add</i>	551.63	
<i>For Class 55 Rating, Add</i>	823.11	
<i>For Class 56 Rating, Add</i>	1,090.94	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1149			10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1150	EA		10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,058.78	278.10
			For Class 52 Rating, Deduct	-70.12	
			For Class 54 Rating, Add	100.67	
			For Class 55 Rating, Add	152.26	
			For Class 56 Rating, Add	203.21	
40 05 19 00-1151	EA		10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,171.61	280.58
			For Class 52 Rating, Deduct	-82.11	
			For Class 54 Rating, Add	117.07	
			For Class 55 Rating, Add	176.67	
			For Class 56 Rating, Add	235.52	
40 05 19 00-1152	EA		10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,284.43	283.06
			For Class 52 Rating, Deduct	-94.11	
			For Class 54 Rating, Add	133.48	
			For Class 55 Rating, Add	201.08	
			For Class 56 Rating, Add	267.83	
40 05 19 00-1153	EA		10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,397.24	285.55
			For Class 52 Rating, Deduct	-106.11	
			For Class 54 Rating, Add	149.88	
			For Class 55 Rating, Add	225.49	
			For Class 56 Rating, Add	300.13	
40 05 19 00-1154	EA		10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,510.06	288.04
			For Class 52 Rating, Deduct	-118.10	
			For Class 54 Rating, Add	166.29	
			For Class 55 Rating, Add	249.90	
			For Class 56 Rating, Add	332.44	
40 05 19 00-1155	EA		10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,622.89	290.51
			For Class 52 Rating, Deduct	-130.10	
			For Class 54 Rating, Add	182.69	
			For Class 55 Rating, Add	274.31	
			For Class 56 Rating, Add	364.75	
40 05 19 00-1156	EA		10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,735.71	292.99
			For Class 52 Rating, Deduct	-142.10	
			For Class 54 Rating, Add	199.09	
			For Class 55 Rating, Add	298.72	
			For Class 56 Rating, Add	397.06	
40 05 19 00-1157	EA		10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,848.53	295.47
			For Class 52 Rating, Deduct	-154.09	
			For Class 54 Rating, Add	215.50	
			For Class 55 Rating, Add	323.13	
			For Class 56 Rating, Add	429.36	
40 05 19 00-1158	EA		10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,961.35	297.95
			For Class 52 Rating, Deduct	-166.09	
			For Class 54 Rating, Add	231.90	
			For Class 55 Rating, Add	347.54	
			For Class 56 Rating, Add	461.67	
40 05 19 00-1159	EA		10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,074.17	300.44
			For Class 52 Rating, Deduct	-178.09	
			For Class 54 Rating, Add	248.31	
			For Class 55 Rating, Add	371.95	
			For Class 56 Rating, Add	493.98	
40 05 19 00-1160	EA		10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,186.98	302.92
			For Class 52 Rating, Deduct	-190.08	
			For Class 54 Rating, Add	264.71	
			For Class 55 Rating, Add	396.36	
			For Class 56 Rating, Add	526.29	
40 05 19 00-1161	EA		10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,299.81	305.41
			For Class 52 Rating, Deduct	-202.08	
			For Class 54 Rating, Add	281.11	
			For Class 55 Rating, Add	420.77	
			For Class 56 Rating, Add	558.59	
40 05 19 00-1162	EA		10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,412.63	307.88
			For Class 52 Rating, Deduct	-214.07	
			For Class 54 Rating, Add	297.52	
			For Class 55 Rating, Add	445.18	
			For Class 56 Rating, Add	590.90	
40 05 19 00-1163	EA		10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,525.45	310.37
			For Class 52 Rating, Deduct	-226.07	
			For Class 54 Rating, Add	313.92	
			For Class 55 Rating, Add	469.59	
			For Class 56 Rating, Add	623.21	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1164 EA 10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,638.28	312.86
<i>For Class 52 Rating, Deduct</i>	-238.07	
<i>For Class 54 Rating, Add</i>	330.33	
<i>For Class 55 Rating, Add</i>	494.00	
<i>For Class 56 Rating, Add</i>	655.52	
40 05 19 00-1165 EA 10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,751.10	315.33
<i>For Class 52 Rating, Deduct</i>	-250.06	
<i>For Class 54 Rating, Add</i>	346.73	
<i>For Class 55 Rating, Add</i>	518.42	
<i>For Class 56 Rating, Add</i>	687.83	
40 05 19 00-1166 EA 10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,863.91	317.82
<i>For Class 52 Rating, Deduct</i>	-262.06	
<i>For Class 54 Rating, Add</i>	363.13	
<i>For Class 55 Rating, Add</i>	542.83	
<i>For Class 56 Rating, Add</i>	720.13	
40 05 19 00-1167 EA 10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,976.73	320.31
<i>For Class 52 Rating, Deduct</i>	-274.06	
<i>For Class 54 Rating, Add</i>	379.54	
<i>For Class 55 Rating, Add</i>	567.23	
<i>For Class 56 Rating, Add</i>	752.44	
40 05 19 00-1168 EA 10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,089.55	322.79
<i>For Class 52 Rating, Deduct</i>	-286.05	
<i>For Class 54 Rating, Add</i>	395.94	
<i>For Class 55 Rating, Add</i>	591.64	
<i>For Class 56 Rating, Add</i>	784.75	
40 05 19 00-1169 EA 10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,202.37	325.27
<i>For Class 52 Rating, Deduct</i>	-298.05	
<i>For Class 54 Rating, Add</i>	412.34	
<i>For Class 55 Rating, Add</i>	616.06	
<i>For Class 56 Rating, Add</i>	817.06	
40 05 19 00-1170 EA 10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,315.20	327.76
<i>For Class 52 Rating, Deduct</i>	-310.05	
<i>For Class 54 Rating, Add</i>	428.75	
<i>For Class 55 Rating, Add</i>	640.47	
<i>For Class 56 Rating, Add</i>	849.36	
40 05 19 00-1171 EA 10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,428.02	330.24
<i>For Class 52 Rating, Deduct</i>	-322.04	
<i>For Class 54 Rating, Add</i>	445.15	
<i>For Class 55 Rating, Add</i>	664.88	
<i>For Class 56 Rating, Add</i>	881.67	
40 05 19 00-1172 EA 10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,540.84	332.72
<i>For Class 52 Rating, Deduct</i>	-334.04	
<i>For Class 54 Rating, Add</i>	461.56	
<i>For Class 55 Rating, Add</i>	689.29	
<i>For Class 56 Rating, Add</i>	913.98	
40 05 19 00-1173 EA 10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,653.67	335.20
<i>For Class 52 Rating, Deduct</i>	-346.04	
<i>For Class 54 Rating, Add</i>	477.96	
<i>For Class 55 Rating, Add</i>	713.70	
<i>For Class 56 Rating, Add</i>	946.29	
40 05 19 00-1174 EA 10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,766.48	337.69
<i>For Class 52 Rating, Deduct</i>	-358.03	
<i>For Class 54 Rating, Add</i>	494.36	
<i>For Class 55 Rating, Add</i>	738.11	
<i>For Class 56 Rating, Add</i>	978.59	
40 05 19 00-1175 EA 10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,879.29	340.18
<i>For Class 52 Rating, Deduct</i>	-370.03	
<i>For Class 54 Rating, Add</i>	510.77	
<i>For Class 55 Rating, Add</i>	762.52	
<i>For Class 56 Rating, Add</i>	1,010.90	
40 05 19 00-1176 EA 10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,992.12	342.65
<i>For Class 52 Rating, Deduct</i>	-382.02	
<i>For Class 54 Rating, Add</i>	527.17	
<i>For Class 55 Rating, Add</i>	786.93	
<i>For Class 56 Rating, Add</i>	1,043.21	
40 05 19 00-1177 EA 10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,104.94	345.14
<i>For Class 52 Rating, Deduct</i>	-394.02	
<i>For Class 54 Rating, Add</i>	543.58	
<i>For Class 55 Rating, Add</i>	811.34	
<i>For Class 56 Rating, Add</i>	1,075.52	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1178	EA		10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,217.76	347.62
			<i>For Class 52 Rating, Deduct</i> .....	-406.02	
			<i>For Class 54 Rating, Add</i> .....	559.98	
			<i>For Class 55 Rating, Add</i> .....	835.75	
			<i>For Class 56 Rating, Add</i> .....	1,107.83	
40 05 19 00-1179	EA		10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,330.59	350.10
			<i>For Class 52 Rating, Deduct</i> .....	-418.01	
			<i>For Class 54 Rating, Add</i> .....	576.39	
			<i>For Class 55 Rating, Add</i> .....	860.16	
			<i>For Class 56 Rating, Add</i> .....	1,140.13	
40 05 19 00-1180	EA		10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,443.41	352.58
			<i>For Class 52 Rating, Deduct</i> .....	-430.01	
			<i>For Class 54 Rating, Add</i> .....	592.79	
			<i>For Class 55 Rating, Add</i> .....	884.57	
			<i>For Class 56 Rating, Add</i> .....	1,172.44	
40 05 19 00-1181	EA		10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,556.22	355.06
			<i>For Class 52 Rating, Deduct</i> .....	-442.01	
			<i>For Class 54 Rating, Add</i> .....	609.19	
			<i>For Class 55 Rating, Add</i> .....	908.98	
			<i>For Class 56 Rating, Add</i> .....	1,204.75	
40 05 19 00-1182	EA		10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,669.05	357.55
			<i>For Class 52 Rating, Deduct</i> .....	-454.00	
			<i>For Class 54 Rating, Add</i> .....	625.60	
			<i>For Class 55 Rating, Add</i> .....	933.39	
			<i>For Class 56 Rating, Add</i> .....	1,237.06	
40 05 19 00-1183	EA		10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,781.87	360.03
			<i>For Class 52 Rating, Deduct</i> .....	-466.00	
			<i>For Class 54 Rating, Add</i> .....	642.00	
			<i>For Class 55 Rating, Add</i> .....	957.80	
			<i>For Class 56 Rating, Add</i> .....	1,269.36	
40 05 19 00-1184	EA		10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,894.68	362.51
			<i>For Class 52 Rating, Deduct</i> .....	-478.00	
			<i>For Class 54 Rating, Add</i> .....	658.40	
			<i>For Class 55 Rating, Add</i> .....	982.21	
			<i>For Class 56 Rating, Add</i> .....	1,301.67	
40 05 19 00-1185	EA		10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,007.51	365.00
			<i>For Class 52 Rating, Deduct</i> .....	-489.99	
			<i>For Class 54 Rating, Add</i> .....	674.81	
			<i>For Class 55 Rating, Add</i> .....	1,006.62	
			<i>For Class 56 Rating, Add</i> .....	1,333.98	
40 05 19 00-1186	EA		10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,120.33	367.49
			<i>For Class 52 Rating, Deduct</i> .....	-501.99	
			<i>For Class 54 Rating, Add</i> .....	691.21	
			<i>For Class 55 Rating, Add</i> .....	1,031.03	
			<i>For Class 56 Rating, Add</i> .....	1,366.29	
40 05 19 00-1187	EA		10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,233.15	369.96
			<i>For Class 52 Rating, Deduct</i> .....	-513.99	
			<i>For Class 54 Rating, Add</i> .....	707.62	
			<i>For Class 55 Rating, Add</i> .....	1,055.44	
			<i>For Class 56 Rating, Add</i> .....	1,398.60	
40 05 19 00-1188	EA		10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,345.96	372.45
			<i>For Class 52 Rating, Deduct</i> .....	-525.98	
			<i>For Class 54 Rating, Add</i> .....	724.02	
			<i>For Class 55 Rating, Add</i> .....	1,079.85	
			<i>For Class 56 Rating, Add</i> .....	1,430.90	
40 05 19 00-1189			<b>12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1190	EA		12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,376.59	347.62
			<i>For Class 52 Rating, Deduct</i> .....	-93.49	
			<i>For Class 54 Rating, Add</i> .....	133.81	
			<i>For Class 55 Rating, Add</i> .....	202.17	
			<i>For Class 56 Rating, Add</i> .....	269.68	
40 05 19 00-1191	EA		12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,517.63	350.10
			<i>For Class 52 Rating, Deduct</i> .....	-108.59	
			<i>For Class 54 Rating, Add</i> .....	154.44	
			<i>For Class 55 Rating, Add</i> .....	232.87	
			<i>For Class 56 Rating, Add</i> .....	310.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1192 EA 12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,658.65	352.58
<i>For Class 52 Rating, Deduct</i>	-123.69	
<i>For Class 54 Rating, Add</i>	175.08	
<i>For Class 55 Rating, Add</i>	263.57	
<i>For Class 56 Rating, Add</i>	350.94	
40 05 19 00-1193 EA 12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,799.67	355.06
<i>For Class 52 Rating, Deduct</i>	-138.79	
<i>For Class 54 Rating, Add</i>	195.71	
<i>For Class 55 Rating, Add</i>	294.27	
<i>For Class 56 Rating, Add</i>	391.57	
40 05 19 00-1194 EA 12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,940.71	357.55
<i>For Class 52 Rating, Deduct</i>	-153.89	
<i>For Class 54 Rating, Add</i>	216.35	
<i>For Class 55 Rating, Add</i>	324.97	
<i>For Class 56 Rating, Add</i>	432.20	
40 05 19 00-1195 EA 12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,081.73	360.03
<i>For Class 52 Rating, Deduct</i>	-168.98	
<i>For Class 54 Rating, Add</i>	236.98	
<i>For Class 55 Rating, Add</i>	355.67	
<i>For Class 56 Rating, Add</i>	472.82	
40 05 19 00-1196 EA 12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,222.74	362.51
<i>For Class 52 Rating, Deduct</i>	-184.08	
<i>For Class 54 Rating, Add</i>	257.61	
<i>For Class 55 Rating, Add</i>	386.37	
<i>For Class 56 Rating, Add</i>	513.45	
40 05 19 00-1197 EA 12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,363.78	365.00
<i>For Class 52 Rating, Deduct</i>	-199.18	
<i>For Class 54 Rating, Add</i>	278.25	
<i>For Class 55 Rating, Add</i>	417.07	
<i>For Class 56 Rating, Add</i>	554.08	
40 05 19 00-1198 EA 12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,504.80	367.49
<i>For Class 52 Rating, Deduct</i>	-214.28	
<i>For Class 54 Rating, Add</i>	298.88	
<i>For Class 55 Rating, Add</i>	447.77	
<i>For Class 56 Rating, Add</i>	594.71	
40 05 19 00-1199 EA 12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,645.82	369.96
<i>For Class 52 Rating, Deduct</i>	-229.38	
<i>For Class 54 Rating, Add</i>	319.52	
<i>For Class 55 Rating, Add</i>	478.47	
<i>For Class 56 Rating, Add</i>	635.33	
40 05 19 00-1200 EA 12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,786.85	372.45
<i>For Class 52 Rating, Deduct</i>	-244.48	
<i>For Class 54 Rating, Add</i>	340.15	
<i>For Class 55 Rating, Add</i>	509.17	
<i>For Class 56 Rating, Add</i>	675.96	
40 05 19 00-1201 EA 12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,927.88	374.93
<i>For Class 52 Rating, Deduct</i>	-259.58	
<i>For Class 54 Rating, Add</i>	360.79	
<i>For Class 55 Rating, Add</i>	539.87	
<i>For Class 56 Rating, Add</i>	716.59	
40 05 19 00-1202 EA 12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,068.90	377.41
<i>For Class 52 Rating, Deduct</i>	-274.68	
<i>For Class 54 Rating, Add</i>	381.42	
<i>For Class 55 Rating, Add</i>	570.57	
<i>For Class 56 Rating, Add</i>	757.22	
40 05 19 00-1203 EA 12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,209.93	379.90
<i>For Class 52 Rating, Deduct</i>	-289.78	
<i>For Class 54 Rating, Add</i>	402.06	
<i>For Class 55 Rating, Add</i>	601.27	
<i>For Class 56 Rating, Add</i>	797.85	
40 05 19 00-1204 EA 12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,350.96	382.38
<i>For Class 52 Rating, Deduct</i>	-304.87	
<i>For Class 54 Rating, Add</i>	422.69	
<i>For Class 55 Rating, Add</i>	631.97	
<i>For Class 56 Rating, Add</i>	838.48	
40 05 19 00-1205 EA 12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,491.98	384.87
<i>For Class 52 Rating, Deduct</i>	-319.97	
<i>For Class 54 Rating, Add</i>	443.33	
<i>For Class 55 Rating, Add</i>	662.67	
<i>For Class 56 Rating, Add</i>	879.11	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1206	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,633.00	387.34
		<i>For Class 52 Rating, Deduct</i>		-335.07	
		<i>For Class 54 Rating, Add</i>		463.96	
		<i>For Class 55 Rating, Add</i>		693.37	
		<i>For Class 56 Rating, Add</i>		919.73	
40 05 19 00-1207	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,774.03	389.83
		<i>For Class 52 Rating, Deduct</i>		-350.17	
		<i>For Class 54 Rating, Add</i>		484.59	
		<i>For Class 55 Rating, Add</i>		724.07	
		<i>For Class 56 Rating, Add</i>		960.36	
40 05 19 00-1208	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,915.06	392.32
		<i>For Class 52 Rating, Deduct</i>		-365.27	
		<i>For Class 54 Rating, Add</i>		505.23	
		<i>For Class 55 Rating, Add</i>		754.77	
		<i>For Class 56 Rating, Add</i>		1,000.99	
40 05 19 00-1209	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,056.08	394.79
		<i>For Class 52 Rating, Deduct</i>		-380.37	
		<i>For Class 54 Rating, Add</i>		525.86	
		<i>For Class 55 Rating, Add</i>		785.47	
		<i>For Class 56 Rating, Add</i>		1,041.62	
40 05 19 00-1210	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,197.11	397.28
		<i>For Class 52 Rating, Deduct</i>		-395.47	
		<i>For Class 54 Rating, Add</i>		546.50	
		<i>For Class 55 Rating, Add</i>		816.17	
		<i>For Class 56 Rating, Add</i>		1,082.24	
40 05 19 00-1211	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,338.14	399.76
		<i>For Class 52 Rating, Deduct</i>		-410.57	
		<i>For Class 54 Rating, Add</i>		567.13	
		<i>For Class 55 Rating, Add</i>		846.87	
		<i>For Class 56 Rating, Add</i>		1,122.88	
40 05 19 00-1212	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,479.16	402.24
		<i>For Class 52 Rating, Deduct</i>		-425.67	
		<i>For Class 54 Rating, Add</i>		587.77	
		<i>For Class 55 Rating, Add</i>		877.57	
		<i>For Class 56 Rating, Add</i>		1,163.50	
40 05 19 00-1213	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,620.19	404.72
		<i>For Class 52 Rating, Deduct</i>		-440.77	
		<i>For Class 54 Rating, Add</i>		608.40	
		<i>For Class 55 Rating, Add</i>		908.27	
		<i>For Class 56 Rating, Add</i>		1,204.13	
40 05 19 00-1214	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,761.21	407.21
		<i>For Class 52 Rating, Deduct</i>		-455.87	
		<i>For Class 54 Rating, Add</i>		629.04	
		<i>For Class 55 Rating, Add</i>		938.97	
		<i>For Class 56 Rating, Add</i>		1,244.76	
40 05 19 00-1215	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,902.23	409.69
		<i>For Class 52 Rating, Deduct</i>		-470.96	
		<i>For Class 54 Rating, Add</i>		649.67	
		<i>For Class 55 Rating, Add</i>		969.67	
		<i>For Class 56 Rating, Add</i>		1,285.39	
40 05 19 00-1216	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,043.26	412.18
		<i>For Class 52 Rating, Deduct</i>		-486.06	
		<i>For Class 54 Rating, Add</i>		670.31	
		<i>For Class 55 Rating, Add</i>		1,000.37	
		<i>For Class 56 Rating, Add</i>		1,326.01	
40 05 19 00-1217	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,184.29	414.65
		<i>For Class 52 Rating, Deduct</i>		-501.16	
		<i>For Class 54 Rating, Add</i>		690.94	
		<i>For Class 55 Rating, Add</i>		1,031.07	
		<i>For Class 56 Rating, Add</i>		1,366.64	
40 05 19 00-1218	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,325.31	417.14
		<i>For Class 52 Rating, Deduct</i>		-516.26	
		<i>For Class 54 Rating, Add</i>		711.58	
		<i>For Class 55 Rating, Add</i>		1,061.77	
		<i>For Class 56 Rating, Add</i>		1,407.27	
40 05 19 00-1219	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,466.34	419.63
		<i>For Class 52 Rating, Deduct</i>		-531.36	
		<i>For Class 54 Rating, Add</i>		732.21	
		<i>For Class 55 Rating, Add</i>		1,092.47	
		<i>For Class 56 Rating, Add</i>		1,447.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1220 EA 12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,607.37	422.10
<i>For Class 52 Rating, Deduct</i>	-546.46	
<i>For Class 54 Rating, Add</i>	752.85	
<i>For Class 55 Rating, Add</i>	1,123.17	
<i>For Class 56 Rating, Add</i>	1,488.53	
40 05 19 00-1221 EA 12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,748.39	424.59
<i>For Class 52 Rating, Deduct</i>	-561.56	
<i>For Class 54 Rating, Add</i>	773.48	
<i>For Class 55 Rating, Add</i>	1,153.87	
<i>For Class 56 Rating, Add</i>	1,529.16	
40 05 19 00-1222 EA 12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,889.41	427.08
<i>For Class 52 Rating, Deduct</i>	-576.66	
<i>For Class 54 Rating, Add</i>	794.11	
<i>For Class 55 Rating, Add</i>	1,184.57	
<i>For Class 56 Rating, Add</i>	1,569.78	
40 05 19 00-1223 EA 12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,030.44	429.56
<i>For Class 52 Rating, Deduct</i>	-591.76	
<i>For Class 54 Rating, Add</i>	814.75	
<i>For Class 55 Rating, Add</i>	1,215.27	
<i>For Class 56 Rating, Add</i>	1,610.41	
40 05 19 00-1224 EA 12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,171.46	432.04
<i>For Class 52 Rating, Deduct</i>	-606.85	
<i>For Class 54 Rating, Add</i>	835.38	
<i>For Class 55 Rating, Add</i>	1,245.97	
<i>For Class 56 Rating, Add</i>	1,651.04	
40 05 19 00-1225 EA 12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,312.49	434.52
<i>For Class 52 Rating, Deduct</i>	-621.95	
<i>For Class 54 Rating, Add</i>	856.02	
<i>For Class 55 Rating, Add</i>	1,276.67	
<i>For Class 56 Rating, Add</i>	1,691.67	
40 05 19 00-1226 EA 12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,453.52	437.01
<i>For Class 52 Rating, Deduct</i>	-637.05	
<i>For Class 54 Rating, Add</i>	876.65	
<i>For Class 55 Rating, Add</i>	1,307.37	
<i>For Class 56 Rating, Add</i>	1,732.30	
40 05 19 00-1227 EA 12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,594.54	439.49
<i>For Class 52 Rating, Deduct</i>	-652.15	
<i>For Class 54 Rating, Add</i>	897.29	
<i>For Class 55 Rating, Add</i>	1,338.07	
<i>For Class 56 Rating, Add</i>	1,772.92	
40 05 19 00-1228 EA 12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,735.57	441.97
<i>For Class 52 Rating, Deduct</i>	-667.25	
<i>For Class 54 Rating, Add</i>	917.92	
<i>For Class 55 Rating, Add</i>	1,368.77	
<i>For Class 56 Rating, Add</i>	1,813.55	
<b>40 05 19 00-1229 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1230 EA 14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,844.84	417.14
<i>For Class 52 Rating, Deduct</i>	-133.41	
<i>For Class 54 Rating, Add</i>	189.51	
<i>For Class 55 Rating, Add</i>	285.63	
<i>For Class 56 Rating, Add</i>	380.53	
40 05 19 00-1231 EA 14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,015.95	419.63
<i>For Class 52 Rating, Deduct</i>	-151.82	
<i>For Class 54 Rating, Add</i>	214.65	
<i>For Class 55 Rating, Add</i>	323.03	
<i>For Class 56 Rating, Add</i>	430.03	
40 05 19 00-1232 EA 14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,187.06	422.10
<i>For Class 52 Rating, Deduct</i>	-170.23	
<i>For Class 54 Rating, Add</i>	239.80	
<i>For Class 55 Rating, Add</i>	360.44	
<i>For Class 56 Rating, Add</i>	479.54	
40 05 19 00-1233 EA 14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,358.17	424.59
<i>For Class 52 Rating, Deduct</i>	-188.63	
<i>For Class 54 Rating, Add</i>	264.95	
<i>For Class 55 Rating, Add</i>	397.85	
<i>For Class 56 Rating, Add</i>	529.04	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1234	EA	14"	Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,529.28	427.08
			<i>For Class 52 Rating, Deduct</i>	-207.04	
			<i>For Class 54 Rating, Add</i>	290.09	
			<i>For Class 55 Rating, Add</i>	435.26	
			<i>For Class 56 Rating, Add</i>	578.54	
40 05 19 00-1235	EA	14"	Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,700.39	429.56
			<i>For Class 52 Rating, Deduct</i>	-225.45	
			<i>For Class 54 Rating, Add</i>	315.24	
			<i>For Class 55 Rating, Add</i>	472.67	
			<i>For Class 56 Rating, Add</i>	628.05	
40 05 19 00-1236	EA	14"	Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,871.50	432.04
			<i>For Class 52 Rating, Deduct</i>	-243.86	
			<i>For Class 54 Rating, Add</i>	340.39	
			<i>For Class 55 Rating, Add</i>	510.08	
			<i>For Class 56 Rating, Add</i>	677.55	
40 05 19 00-1237	EA	14"	Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,042.62	434.52
			<i>For Class 52 Rating, Deduct</i>	-262.27	
			<i>For Class 54 Rating, Add</i>	365.54	
			<i>For Class 55 Rating, Add</i>	547.49	
			<i>For Class 56 Rating, Add</i>	727.06	
40 05 19 00-1238	EA	14"	Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,213.72	437.01
			<i>For Class 52 Rating, Deduct</i>	-280.67	
			<i>For Class 54 Rating, Add</i>	390.68	
			<i>For Class 55 Rating, Add</i>	584.90	
			<i>For Class 56 Rating, Add</i>	776.56	
40 05 19 00-1239	EA	14"	Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,384.83	439.49
			<i>For Class 52 Rating, Deduct</i>	-299.08	
			<i>For Class 54 Rating, Add</i>	415.83	
			<i>For Class 55 Rating, Add</i>	622.30	
			<i>For Class 56 Rating, Add</i>	826.06	
40 05 19 00-1240	EA	14"	Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,555.95	441.97
			<i>For Class 52 Rating, Deduct</i>	-317.49	
			<i>For Class 54 Rating, Add</i>	440.98	
			<i>For Class 55 Rating, Add</i>	659.71	
			<i>For Class 56 Rating, Add</i>	875.56	
40 05 19 00-1241	EA	14"	Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,727.06	444.46
			<i>For Class 52 Rating, Deduct</i>	-335.90	
			<i>For Class 54 Rating, Add</i>	466.13	
			<i>For Class 55 Rating, Add</i>	697.12	
			<i>For Class 56 Rating, Add</i>	925.07	
40 05 19 00-1242	EA	14"	Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,898.17	446.95
			<i>For Class 52 Rating, Deduct</i>	-354.31	
			<i>For Class 54 Rating, Add</i>	491.27	
			<i>For Class 55 Rating, Add</i>	734.53	
			<i>For Class 56 Rating, Add</i>	974.57	
40 05 19 00-1243	EA	14"	Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,069.28	449.42
			<i>For Class 52 Rating, Deduct</i>	-372.72	
			<i>For Class 54 Rating, Add</i>	516.42	
			<i>For Class 55 Rating, Add</i>	771.94	
			<i>For Class 56 Rating, Add</i>	1,024.07	
40 05 19 00-1244	EA	14"	Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,240.39	451.90
			<i>For Class 52 Rating, Deduct</i>	-391.13	
			<i>For Class 54 Rating, Add</i>	541.57	
			<i>For Class 55 Rating, Add</i>	809.35	
			<i>For Class 56 Rating, Add</i>	1,073.58	
40 05 19 00-1245	EA	14"	Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,411.49	454.38
			<i>For Class 52 Rating, Deduct</i>	-409.53	
			<i>For Class 54 Rating, Add</i>	566.72	
			<i>For Class 55 Rating, Add</i>	846.76	
			<i>For Class 56 Rating, Add</i>	1,123.08	
40 05 19 00-1246	EA	14"	Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,582.60	456.86
			<i>For Class 52 Rating, Deduct</i>	-427.94	
			<i>For Class 54 Rating, Add</i>	591.86	
			<i>For Class 55 Rating, Add</i>	884.17	
			<i>For Class 56 Rating, Add</i>	1,172.58	
40 05 19 00-1247	EA	14"	Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,753.72	459.35
			<i>For Class 52 Rating, Deduct</i>	-446.35	
			<i>For Class 54 Rating, Add</i>	617.01	
			<i>For Class 55 Rating, Add</i>	921.58	
			<i>For Class 56 Rating, Add</i>	1,222.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1248 EA 14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,924.83	461.83
<i>For Class 52 Rating, Deduct</i>	-464.76	
<i>For Class 54 Rating, Add</i>	642.16	
<i>For Class 55 Rating, Add</i>	958.99	
<i>For Class 56 Rating, Add</i>	1,271.59	
40 05 19 00-1249 EA 14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,095.94	464.32
<i>For Class 52 Rating, Deduct</i>	-483.17	
<i>For Class 54 Rating, Add</i>	667.31	
<i>For Class 55 Rating, Add</i>	996.40	
<i>For Class 56 Rating, Add</i>	1,321.09	
40 05 19 00-1250 EA 14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,267.06	466.79
<i>For Class 52 Rating, Deduct</i>	-501.58	
<i>For Class 54 Rating, Add</i>	692.45	
<i>For Class 55 Rating, Add</i>	1,033.81	
<i>For Class 56 Rating, Add</i>	1,370.60	
40 05 19 00-1251 EA 14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,438.16	469.28
<i>For Class 52 Rating, Deduct</i>	-519.98	
<i>For Class 54 Rating, Add</i>	717.60	
<i>For Class 55 Rating, Add</i>	1,071.21	
<i>For Class 56 Rating, Add</i>	1,420.10	
40 05 19 00-1252 EA 14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,609.26	471.77
<i>For Class 52 Rating, Deduct</i>	-538.39	
<i>For Class 54 Rating, Add</i>	742.75	
<i>For Class 55 Rating, Add</i>	1,108.62	
<i>For Class 56 Rating, Add</i>	1,469.60	
40 05 19 00-1253 EA 14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,780.38	474.25
<i>For Class 52 Rating, Deduct</i>	-556.80	
<i>For Class 54 Rating, Add</i>	767.90	
<i>For Class 55 Rating, Add</i>	1,146.03	
<i>For Class 56 Rating, Add</i>	1,519.11	
40 05 19 00-1254 EA 14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,951.49	476.73
<i>For Class 52 Rating, Deduct</i>	-575.21	
<i>For Class 54 Rating, Add</i>	793.04	
<i>For Class 55 Rating, Add</i>	1,183.44	
<i>For Class 56 Rating, Add</i>	1,568.61	
40 05 19 00-1255 EA 14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,122.60	479.22
<i>For Class 52 Rating, Deduct</i>	-593.62	
<i>For Class 54 Rating, Add</i>	818.19	
<i>For Class 55 Rating, Add</i>	1,220.85	
<i>For Class 56 Rating, Add</i>	1,618.11	
40 05 19 00-1256 EA 14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,293.72	481.70
<i>For Class 52 Rating, Deduct</i>	-612.03	
<i>For Class 54 Rating, Add</i>	843.34	
<i>For Class 55 Rating, Add</i>	1,258.26	
<i>For Class 56 Rating, Add</i>	1,667.62	
40 05 19 00-1257 EA 14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,464.83	484.18
<i>For Class 52 Rating, Deduct</i>	-630.43	
<i>For Class 54 Rating, Add</i>	868.49	
<i>For Class 55 Rating, Add</i>	1,295.67	
<i>For Class 56 Rating, Add</i>	1,717.12	
40 05 19 00-1258 EA 14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,635.93	486.67
<i>For Class 52 Rating, Deduct</i>	-648.84	
<i>For Class 54 Rating, Add</i>	893.63	
<i>For Class 55 Rating, Add</i>	1,333.08	
<i>For Class 56 Rating, Add</i>	1,766.62	
40 05 19 00-1259 EA 14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,807.05	489.15
<i>For Class 52 Rating, Deduct</i>	-667.25	
<i>For Class 54 Rating, Add</i>	918.78	
<i>For Class 55 Rating, Add</i>	1,370.49	
<i>For Class 56 Rating, Add</i>	1,816.12	
40 05 19 00-1260 EA 14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,978.16	491.64
<i>For Class 52 Rating, Deduct</i>	-685.66	
<i>For Class 54 Rating, Add</i>	943.93	
<i>For Class 55 Rating, Add</i>	1,407.89	
<i>For Class 56 Rating, Add</i>	1,865.63	
40 05 19 00-1261 EA 14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,149.26	494.11
<i>For Class 52 Rating, Deduct</i>	-704.07	
<i>For Class 54 Rating, Add</i>	969.08	
<i>For Class 55 Rating, Add</i>	1,445.30	
<i>For Class 56 Rating, Add</i>	1,915.13	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1262	EA		14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,320.38	496.60
			<i>For Class 52 Rating, Deduct</i> .....	-722.48	
			<i>For Class 54 Rating, Add</i> .....	994.22	
			<i>For Class 55 Rating, Add</i> .....	1,482.71	
			<i>For Class 56 Rating, Add</i> .....	1,964.64	
40 05 19 00-1263	EA		14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,491.49	499.09
			<i>For Class 52 Rating, Deduct</i> .....	-740.88	
			<i>For Class 54 Rating, Add</i> .....	1,019.37	
			<i>For Class 55 Rating, Add</i> .....	1,520.12	
			<i>For Class 56 Rating, Add</i> .....	2,014.14	
40 05 19 00-1264	EA		14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,662.59	501.56
			<i>For Class 52 Rating, Deduct</i> .....	-759.29	
			<i>For Class 54 Rating, Add</i> .....	1,044.52	
			<i>For Class 55 Rating, Add</i> .....	1,557.53	
			<i>For Class 56 Rating, Add</i> .....	2,063.64	
40 05 19 00-1265	EA		14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,833.71	504.05
			<i>For Class 52 Rating, Deduct</i> .....	-777.70	
			<i>For Class 54 Rating, Add</i> .....	1,069.66	
			<i>For Class 55 Rating, Add</i> .....	1,594.94	
			<i>For Class 56 Rating, Add</i> .....	2,113.14	
40 05 19 00-1266	EA		14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,004.82	506.53
			<i>For Class 52 Rating, Deduct</i> .....	-796.11	
			<i>For Class 54 Rating, Add</i> .....	1,094.81	
			<i>For Class 55 Rating, Add</i> .....	1,632.35	
			<i>For Class 56 Rating, Add</i> .....	2,162.65	
40 05 19 00-1267	EA		14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,175.93	509.01
			<i>For Class 52 Rating, Deduct</i> .....	-814.52	
			<i>For Class 54 Rating, Add</i> .....	1,119.96	
			<i>For Class 55 Rating, Add</i> .....	1,669.76	
			<i>For Class 56 Rating, Add</i> .....	2,212.15	
<b>40 05 19 00-1268</b>			<b>16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1269	EA		16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,157.00	476.73
			<i>For Class 52 Rating, Deduct</i> .....	-157.81	
			<i>For Class 54 Rating, Add</i> .....	223.87	
			<i>For Class 55 Rating, Add</i> .....	337.27	
			<i>For Class 56 Rating, Add</i> .....	449.23	
40 05 19 00-1270	EA		16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,356.32	479.22
			<i>For Class 52 Rating, Deduct</i> .....	-179.33	
			<i>For Class 54 Rating, Add</i> .....	253.25	
			<i>For Class 55 Rating, Add</i> .....	380.97	
			<i>For Class 56 Rating, Add</i> .....	507.06	
40 05 19 00-1271	EA		16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,555.64	481.70
			<i>For Class 52 Rating, Deduct</i> .....	-200.84	
			<i>For Class 54 Rating, Add</i> .....	282.63	
			<i>For Class 55 Rating, Add</i> .....	424.67	
			<i>For Class 56 Rating, Add</i> .....	564.88	
40 05 19 00-1272	EA		16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,754.95	484.18
			<i>For Class 52 Rating, Deduct</i> .....	-222.35	
			<i>For Class 54 Rating, Add</i> .....	312.00	
			<i>For Class 55 Rating, Add</i> .....	468.37	
			<i>For Class 56 Rating, Add</i> .....	622.71	
40 05 19 00-1273	EA		16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,954.27	486.67
			<i>For Class 52 Rating, Deduct</i> .....	-243.86	
			<i>For Class 54 Rating, Add</i> .....	341.38	
			<i>For Class 55 Rating, Add</i> .....	512.07	
			<i>For Class 56 Rating, Add</i> .....	680.53	
40 05 19 00-1274	EA		16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,153.59	489.15
			<i>For Class 52 Rating, Deduct</i> .....	-265.37	
			<i>For Class 54 Rating, Add</i> .....	370.76	
			<i>For Class 55 Rating, Add</i> .....	555.76	
			<i>For Class 56 Rating, Add</i> .....	738.35	
40 05 19 00-1275	EA		16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,352.90	491.64
			<i>For Class 52 Rating, Deduct</i> .....	-286.88	
			<i>For Class 54 Rating, Add</i> .....	400.14	
			<i>For Class 55 Rating, Add</i> .....	599.46	
			<i>For Class 56 Rating, Add</i> .....	796.18	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1276 EA 16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,552.21	494.11
<i>For Class 52 Rating, Deduct</i>	-308.39	
<i>For Class 54 Rating, Add</i>	429.52	
<i>For Class 55 Rating, Add</i>	643.16	
<i>For Class 56 Rating, Add</i>	854.00	
40 05 19 00-1277 EA 16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,751.53	496.60
<i>For Class 52 Rating, Deduct</i>	-329.90	
<i>For Class 54 Rating, Add</i>	458.90	
<i>For Class 55 Rating, Add</i>	686.86	
<i>For Class 56 Rating, Add</i>	911.82	
40 05 19 00-1278 EA 16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,950.84	499.09
<i>For Class 52 Rating, Deduct</i>	-351.41	
<i>For Class 54 Rating, Add</i>	488.27	
<i>For Class 55 Rating, Add</i>	730.56	
<i>For Class 56 Rating, Add</i>	969.65	
40 05 19 00-1279 EA 16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,150.16	501.56
<i>For Class 52 Rating, Deduct</i>	-372.92	
<i>For Class 54 Rating, Add</i>	517.65	
<i>For Class 55 Rating, Add</i>	774.26	
<i>For Class 56 Rating, Add</i>	1,027.47	
40 05 19 00-1280 EA 16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,349.48	504.05
<i>For Class 52 Rating, Deduct</i>	-394.43	
<i>For Class 54 Rating, Add</i>	547.03	
<i>For Class 55 Rating, Add</i>	817.96	
<i>For Class 56 Rating, Add</i>	1,085.30	
40 05 19 00-1281 EA 16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,548.79	506.53
<i>For Class 52 Rating, Deduct</i>	-415.95	
<i>For Class 54 Rating, Add</i>	576.41	
<i>For Class 55 Rating, Add</i>	861.65	
<i>For Class 56 Rating, Add</i>	1,143.12	
40 05 19 00-1282 EA 16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,748.11	509.01
<i>For Class 52 Rating, Deduct</i>	-437.46	
<i>For Class 54 Rating, Add</i>	605.79	
<i>For Class 55 Rating, Add</i>	905.35	
<i>For Class 56 Rating, Add</i>	1,200.94	
40 05 19 00-1283 EA 16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,947.43	511.49
<i>For Class 52 Rating, Deduct</i>	-458.97	
<i>For Class 54 Rating, Add</i>	635.16	
<i>For Class 55 Rating, Add</i>	949.05	
<i>For Class 56 Rating, Add</i>	1,258.77	
40 05 19 00-1284 EA 16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,146.74	513.97
<i>For Class 52 Rating, Deduct</i>	-480.48	
<i>For Class 54 Rating, Add</i>	664.54	
<i>For Class 55 Rating, Add</i>	992.75	
<i>For Class 56 Rating, Add</i>	1,316.59	
40 05 19 00-1285 EA 16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,346.05	516.46
<i>For Class 52 Rating, Deduct</i>	-501.99	
<i>For Class 54 Rating, Add</i>	693.92	
<i>For Class 55 Rating, Add</i>	1,036.45	
<i>For Class 56 Rating, Add</i>	1,374.41	
40 05 19 00-1286 EA 16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,545.37	518.94
<i>For Class 52 Rating, Deduct</i>	-523.50	
<i>For Class 54 Rating, Add</i>	723.30	
<i>For Class 55 Rating, Add</i>	1,080.15	
<i>For Class 56 Rating, Add</i>	1,432.24	
40 05 19 00-1287 EA 16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,744.68	521.42
<i>For Class 52 Rating, Deduct</i>	-545.01	
<i>For Class 54 Rating, Add</i>	752.68	
<i>For Class 55 Rating, Add</i>	1,123.85	
<i>For Class 56 Rating, Add</i>	1,490.06	
40 05 19 00-1288 EA 16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,944.00	523.91
<i>For Class 52 Rating, Deduct</i>	-566.52	
<i>For Class 54 Rating, Add</i>	782.06	
<i>For Class 55 Rating, Add</i>	1,167.55	
<i>For Class 56 Rating, Add</i>	1,547.89	
40 05 19 00-1289 EA 16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,143.32	526.40
<i>For Class 52 Rating, Deduct</i>	-588.03	
<i>For Class 54 Rating, Add</i>	811.43	
<i>For Class 55 Rating, Add</i>	1,211.24	
<i>For Class 56 Rating, Add</i>	1,605.71	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1290	EA		16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,342.63	528.87
			<i>For Class 52 Rating, Deduct</i>	-609.54	
			<i>For Class 54 Rating, Add</i>	840.81	
			<i>For Class 55 Rating, Add</i>	1,254.94	
			<i>For Class 56 Rating, Add</i>	1,663.53	
40 05 19 00-1291	EA		16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,541.95	531.36
			<i>For Class 52 Rating, Deduct</i>	-631.05	
			<i>For Class 54 Rating, Add</i>	870.19	
			<i>For Class 55 Rating, Add</i>	1,298.64	
			<i>For Class 56 Rating, Add</i>	1,721.36	
40 05 19 00-1292	EA		16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,741.26	533.84
			<i>For Class 52 Rating, Deduct</i>	-652.57	
			<i>For Class 54 Rating, Add</i>	899.57	
			<i>For Class 55 Rating, Add</i>	1,342.34	
			<i>For Class 56 Rating, Add</i>	1,779.18	
40 05 19 00-1293	EA		16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,940.58	536.33
			<i>For Class 52 Rating, Deduct</i>	-674.08	
			<i>For Class 54 Rating, Add</i>	928.95	
			<i>For Class 55 Rating, Add</i>	1,386.04	
			<i>For Class 56 Rating, Add</i>	1,837.00	
40 05 19 00-1294	EA		16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,139.89	538.81
			<i>For Class 52 Rating, Deduct</i>	-695.59	
			<i>For Class 54 Rating, Add</i>	958.32	
			<i>For Class 55 Rating, Add</i>	1,429.74	
			<i>For Class 56 Rating, Add</i>	1,894.83	
40 05 19 00-1295	EA		16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,339.20	541.29
			<i>For Class 52 Rating, Deduct</i>	-717.10	
			<i>For Class 54 Rating, Add</i>	987.70	
			<i>For Class 55 Rating, Add</i>	1,473.44	
			<i>For Class 56 Rating, Add</i>	1,952.65	
40 05 19 00-1296	EA		16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,538.52	543.78
			<i>For Class 52 Rating, Deduct</i>	-738.61	
			<i>For Class 54 Rating, Add</i>	1,017.08	
			<i>For Class 55 Rating, Add</i>	1,517.13	
			<i>For Class 56 Rating, Add</i>	2,010.47	
40 05 19 00-1297	EA		16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,737.84	546.25
			<i>For Class 52 Rating, Deduct</i>	-760.12	
			<i>For Class 54 Rating, Add</i>	1,046.46	
			<i>For Class 55 Rating, Add</i>	1,560.83	
			<i>For Class 56 Rating, Add</i>	2,068.30	
40 05 19 00-1298	EA		16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,937.15	548.74
			<i>For Class 52 Rating, Deduct</i>	-781.63	
			<i>For Class 54 Rating, Add</i>	1,075.84	
			<i>For Class 55 Rating, Add</i>	1,604.53	
			<i>For Class 56 Rating, Add</i>	2,126.12	
40 05 19 00-1299	EA		16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,136.47	551.23
			<i>For Class 52 Rating, Deduct</i>	-803.14	
			<i>For Class 54 Rating, Add</i>	1,105.21	
			<i>For Class 55 Rating, Add</i>	1,648.23	
			<i>For Class 56 Rating, Add</i>	2,183.94	
40 05 19 00-1300	EA		16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,335.79	553.71
			<i>For Class 52 Rating, Deduct</i>	-824.65	
			<i>For Class 54 Rating, Add</i>	1,134.59	
			<i>For Class 55 Rating, Add</i>	1,691.93	
			<i>For Class 56 Rating, Add</i>	2,241.77	
40 05 19 00-1301	EA		16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,535.10	556.19
			<i>For Class 52 Rating, Deduct</i>	-846.16	
			<i>For Class 54 Rating, Add</i>	1,163.97	
			<i>For Class 55 Rating, Add</i>	1,735.63	
			<i>For Class 56 Rating, Add</i>	2,299.59	
40 05 19 00-1302	EA		16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,734.41	558.67
			<i>For Class 52 Rating, Deduct</i>	-867.67	
			<i>For Class 54 Rating, Add</i>	1,193.35	
			<i>For Class 55 Rating, Add</i>	1,779.33	
			<i>For Class 56 Rating, Add</i>	2,357.42	
40 05 19 00-1303	EA		16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,933.73	561.15
			<i>For Class 52 Rating, Deduct</i>	-889.19	
			<i>For Class 54 Rating, Add</i>	1,222.73	
			<i>For Class 55 Rating, Add</i>	1,823.03	
			<i>For Class 56 Rating, Add</i>	2,415.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1304 EA 16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,133.04	563.63
For Class 52 Rating, Deduct	-910.70	
For Class 54 Rating, Add	1,252.11	
For Class 55 Rating, Add	1,866.72	
For Class 56 Rating, Add	2,473.06	
40 05 19 00-1305 EA 16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,332.36	566.12
For Class 52 Rating, Deduct	-932.21	
For Class 54 Rating, Add	1,281.48	
For Class 55 Rating, Add	1,910.42	
For Class 56 Rating, Add	2,530.89	
40 05 19 00-1306 EA 16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,531.68	568.60
For Class 52 Rating, Deduct	-953.72	
For Class 54 Rating, Add	1,310.86	
For Class 55 Rating, Add	1,954.12	
For Class 56 Rating, Add	2,588.71	
<b>40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1308 EA 18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,497.01	537.32
For Class 52 Rating, Deduct	-185.12	
For Class 54 Rating, Add	262.20	
For Class 55 Rating, Add	394.82	
For Class 56 Rating, Add	525.76	
40 05 19 00-1309 EA 18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,726.40	539.81
For Class 52 Rating, Deduct	-209.94	
For Class 54 Rating, Add	296.09	
For Class 55 Rating, Add	445.23	
For Class 56 Rating, Add	592.46	
40 05 19 00-1310 EA 18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,955.80	542.28
For Class 52 Rating, Deduct	-234.76	
For Class 54 Rating, Add	329.98	
For Class 55 Rating, Add	495.64	
For Class 56 Rating, Add	659.16	
40 05 19 00-1311 EA 18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,185.20	544.77
For Class 52 Rating, Deduct	-259.58	
For Class 54 Rating, Add	363.87	
For Class 55 Rating, Add	546.05	
For Class 56 Rating, Add	725.86	
40 05 19 00-1312 EA 18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,414.61	547.25
For Class 52 Rating, Deduct	-284.40	
For Class 54 Rating, Add	397.77	
For Class 55 Rating, Add	596.45	
For Class 56 Rating, Add	792.55	
40 05 19 00-1313 EA 18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,644.01	549.73
For Class 52 Rating, Deduct	-309.22	
For Class 54 Rating, Add	431.66	
For Class 55 Rating, Add	646.86	
For Class 56 Rating, Add	859.25	
40 05 19 00-1314 EA 18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,873.41	552.22
For Class 52 Rating, Deduct	-334.04	
For Class 54 Rating, Add	465.55	
For Class 55 Rating, Add	697.27	
For Class 56 Rating, Add	925.95	
40 05 19 00-1315 EA 18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,102.82	554.70
For Class 52 Rating, Deduct	-358.86	
For Class 54 Rating, Add	499.44	
For Class 55 Rating, Add	747.68	
For Class 56 Rating, Add	992.65	
40 05 19 00-1316 EA 18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,332.21	557.19
For Class 52 Rating, Deduct	-383.68	
For Class 54 Rating, Add	533.33	
For Class 55 Rating, Add	798.08	
For Class 56 Rating, Add	1,059.35	
40 05 19 00-1317 EA 18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,561.60	559.66
For Class 52 Rating, Deduct	-408.50	
For Class 54 Rating, Add	567.22	
For Class 55 Rating, Add	848.49	
For Class 56 Rating, Add	1,126.05	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1318	EA		18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,791.01	562.15
			<i>For Class 52 Rating, Deduct</i>	-433.32	
			<i>For Class 54 Rating, Add</i>	601.11	
			<i>For Class 55 Rating, Add</i>	898.90	
			<i>For Class 56 Rating, Add</i>	1,192.75	
40 05 19 00-1319	EA		18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,020.41	564.64
			<i>For Class 52 Rating, Deduct</i>	-458.14	
			<i>For Class 54 Rating, Add</i>	635.00	
			<i>For Class 55 Rating, Add</i>	949.31	
			<i>For Class 56 Rating, Add</i>	1,259.45	
40 05 19 00-1320	EA		18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,249.81	567.11
			<i>For Class 52 Rating, Deduct</i>	-482.96	
			<i>For Class 54 Rating, Add</i>	668.89	
			<i>For Class 55 Rating, Add</i>	999.71	
			<i>For Class 56 Rating, Add</i>	1,326.15	
40 05 19 00-1321	EA		18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,479.22	569.59
			<i>For Class 52 Rating, Deduct</i>	-507.78	
			<i>For Class 54 Rating, Add</i>	702.78	
			<i>For Class 55 Rating, Add</i>	1,050.12	
			<i>For Class 56 Rating, Add</i>	1,392.85	
40 05 19 00-1322	EA		18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,708.61	572.08
			<i>For Class 52 Rating, Deduct</i>	-532.60	
			<i>For Class 54 Rating, Add</i>	736.67	
			<i>For Class 55 Rating, Add</i>	1,100.53	
			<i>For Class 56 Rating, Add</i>	1,459.54	
40 05 19 00-1323	EA		18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,938.01	574.56
			<i>For Class 52 Rating, Deduct</i>	-557.42	
			<i>For Class 54 Rating, Add</i>	770.57	
			<i>For Class 55 Rating, Add</i>	1,150.94	
			<i>For Class 56 Rating, Add</i>	1,526.24	
40 05 19 00-1324	EA		18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,167.42	577.04
			<i>For Class 52 Rating, Deduct</i>	-582.24	
			<i>For Class 54 Rating, Add</i>	804.46	
			<i>For Class 55 Rating, Add</i>	1,201.34	
			<i>For Class 56 Rating, Add</i>	1,592.94	
40 05 19 00-1325	EA		18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,396.82	579.52
			<i>For Class 52 Rating, Deduct</i>	-607.06	
			<i>For Class 54 Rating, Add</i>	838.35	
			<i>For Class 55 Rating, Add</i>	1,251.75	
			<i>For Class 56 Rating, Add</i>	1,659.64	
40 05 19 00-1326	EA		18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,626.21	582.01
			<i>For Class 52 Rating, Deduct</i>	-631.88	
			<i>For Class 54 Rating, Add</i>	872.24	
			<i>For Class 55 Rating, Add</i>	1,302.16	
			<i>For Class 56 Rating, Add</i>	1,726.34	
40 05 19 00-1327	EA		18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,855.62	584.49
			<i>For Class 52 Rating, Deduct</i>	-656.70	
			<i>For Class 54 Rating, Add</i>	906.13	
			<i>For Class 55 Rating, Add</i>	1,352.57	
			<i>For Class 56 Rating, Add</i>	1,793.04	
40 05 19 00-1328	EA		18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,085.01	586.97
			<i>For Class 52 Rating, Deduct</i>	-681.52	
			<i>For Class 54 Rating, Add</i>	940.02	
			<i>For Class 55 Rating, Add</i>	1,402.97	
			<i>For Class 56 Rating, Add</i>	1,859.73	
40 05 19 00-1329	EA		18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,314.41	589.46
			<i>For Class 52 Rating, Deduct</i>	-706.34	
			<i>For Class 54 Rating, Add</i>	973.91	
			<i>For Class 55 Rating, Add</i>	1,453.38	
			<i>For Class 56 Rating, Add</i>	1,926.43	
40 05 19 00-1330	EA		18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,543.82	591.95
			<i>For Class 52 Rating, Deduct</i>	-731.16	
			<i>For Class 54 Rating, Add</i>	1,007.80	
			<i>For Class 55 Rating, Add</i>	1,503.79	
			<i>For Class 56 Rating, Add</i>	1,993.13	
40 05 19 00-1331	EA		18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,773.22	594.42
			<i>For Class 52 Rating, Deduct</i>	-755.98	
			<i>For Class 54 Rating, Add</i>	1,041.69	
			<i>For Class 55 Rating, Add</i>	1,554.20	
			<i>For Class 56 Rating, Add</i>	2,059.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1332 EA 18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,002.62	596.91
<i>For Class 52 Rating, Deduct</i>	-780.80	
<i>For Class 54 Rating, Add</i>	1,075.58	
<i>For Class 55 Rating, Add</i>	1,604.61	
<i>For Class 56 Rating, Add</i>	2,126.53	
40 05 19 00-1333 EA 18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,232.03	599.40
<i>For Class 52 Rating, Deduct</i>	-805.62	
<i>For Class 54 Rating, Add</i>	1,109.48	
<i>For Class 55 Rating, Add</i>	1,655.01	
<i>For Class 56 Rating, Add</i>	2,193.23	
40 05 19 00-1334 EA 18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,461.42	601.88
<i>For Class 52 Rating, Deduct</i>	-830.44	
<i>For Class 54 Rating, Add</i>	1,143.37	
<i>For Class 55 Rating, Add</i>	1,705.42	
<i>For Class 56 Rating, Add</i>	2,259.93	
40 05 19 00-1335 EA 18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,690.81	604.36
<i>For Class 52 Rating, Deduct</i>	-855.26	
<i>For Class 54 Rating, Add</i>	1,177.26	
<i>For Class 55 Rating, Add</i>	1,755.83	
<i>For Class 56 Rating, Add</i>	2,326.63	
40 05 19 00-1336 EA 18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,920.22	606.84
<i>For Class 52 Rating, Deduct</i>	-880.08	
<i>For Class 54 Rating, Add</i>	1,211.15	
<i>For Class 55 Rating, Add</i>	1,806.24	
<i>For Class 56 Rating, Add</i>	2,393.32	
40 05 19 00-1337 EA 18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,149.62	609.33
<i>For Class 52 Rating, Deduct</i>	-904.90	
<i>For Class 54 Rating, Add</i>	1,245.04	
<i>For Class 55 Rating, Add</i>	1,856.64	
<i>For Class 56 Rating, Add</i>	2,460.02	
40 05 19 00-1338 EA 18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,379.02	611.81
<i>For Class 52 Rating, Deduct</i>	-929.72	
<i>For Class 54 Rating, Add</i>	1,278.93	
<i>For Class 55 Rating, Add</i>	1,907.05	
<i>For Class 56 Rating, Add</i>	2,526.72	
40 05 19 00-1339 EA 18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,608.43	614.29
<i>For Class 52 Rating, Deduct</i>	-954.54	
<i>For Class 54 Rating, Add</i>	1,312.82	
<i>For Class 55 Rating, Add</i>	1,957.46	
<i>For Class 56 Rating, Add</i>	2,593.42	
40 05 19 00-1340 EA 18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,837.83	616.78
<i>For Class 52 Rating, Deduct</i>	-979.37	
<i>For Class 54 Rating, Add</i>	1,346.71	
<i>For Class 55 Rating, Add</i>	2,007.87	
<i>For Class 56 Rating, Add</i>	2,660.12	
40 05 19 00-1341 EA 18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,067.22	619.27
<i>For Class 52 Rating, Deduct</i>	-1,004.18	
<i>For Class 54 Rating, Add</i>	1,380.60	
<i>For Class 55 Rating, Add</i>	2,058.27	
<i>For Class 56 Rating, Add</i>	2,726.82	
40 05 19 00-1342 EA 18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,296.63	621.74
<i>For Class 52 Rating, Deduct</i>	-1,029.00	
<i>For Class 54 Rating, Add</i>	1,414.49	
<i>For Class 55 Rating, Add</i>	2,108.68	
<i>For Class 56 Rating, Add</i>	2,793.52	
40 05 19 00-1343 EA 18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,526.03	624.22
<i>For Class 52 Rating, Deduct</i>	-1,053.83	
<i>For Class 54 Rating, Add</i>	1,448.38	
<i>For Class 55 Rating, Add</i>	2,159.09	
<i>For Class 56 Rating, Add</i>	2,860.22	
40 05 19 00-1344 EA 18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,755.42	626.70
<i>For Class 52 Rating, Deduct</i>	-1,078.65	
<i>For Class 54 Rating, Add</i>	1,482.28	
<i>For Class 55 Rating, Add</i>	2,209.50	
<i>For Class 56 Rating, Add</i>	2,926.92	
40 05 19 00-1345 EA 18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,984.82	629.18
<i>For Class 52 Rating, Deduct</i>	-1,103.47	
<i>For Class 54 Rating, Add</i>	1,516.17	
<i>For Class 55 Rating, Add</i>	2,259.91	
<i>For Class 56 Rating, Add</i>	2,993.61	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1346			20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1347	EA		20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,911.10	613.29
			For Class 52 Rating, Deduct	-218.00	
			For Class 54 Rating, Add	308.43	
			For Class 55 Rating, Add	464.26	
			For Class 56 Rating, Add	618.10	
40 05 19 00-1348	EA		20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,174.34	615.78
			For Class 52 Rating, Deduct	-246.55	
			For Class 54 Rating, Add	347.40	
			For Class 55 Rating, Add	522.21	
			For Class 56 Rating, Add	694.78	
40 05 19 00-1349	EA		20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,437.59	618.26
			For Class 52 Rating, Deduct	-275.09	
			For Class 54 Rating, Add	386.37	
			For Class 55 Rating, Add	580.17	
			For Class 56 Rating, Add	771.47	
40 05 19 00-1350	EA		20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,700.84	620.74
			For Class 52 Rating, Deduct	-303.63	
			For Class 54 Rating, Add	425.33	
			For Class 55 Rating, Add	638.12	
			For Class 56 Rating, Add	848.15	
40 05 19 00-1351	EA		20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,964.08	623.23
			For Class 52 Rating, Deduct	-332.18	
			For Class 54 Rating, Add	464.30	
			For Class 55 Rating, Add	696.08	
			For Class 56 Rating, Add	924.83	
40 05 19 00-1352	EA		20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,227.32	625.70
			For Class 52 Rating, Deduct	-360.72	
			For Class 54 Rating, Add	503.27	
			For Class 55 Rating, Add	754.03	
			For Class 56 Rating, Add	1,001.52	
40 05 19 00-1353	EA		20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,490.57	628.19
			For Class 52 Rating, Deduct	-389.26	
			For Class 54 Rating, Add	542.24	
			For Class 55 Rating, Add	811.99	
			For Class 56 Rating, Add	1,078.20	
40 05 19 00-1354	EA		20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,753.82	630.68
			For Class 52 Rating, Deduct	-417.81	
			For Class 54 Rating, Add	581.20	
			For Class 55 Rating, Add	869.94	
			For Class 56 Rating, Add	1,154.88	
40 05 19 00-1355	EA		20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,017.06	633.16
			For Class 52 Rating, Deduct	-446.35	
			For Class 54 Rating, Add	620.17	
			For Class 55 Rating, Add	927.90	
			For Class 56 Rating, Add	1,231.57	
40 05 19 00-1356	EA		20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,280.31	635.64
			For Class 52 Rating, Deduct	-474.89	
			For Class 54 Rating, Add	659.14	
			For Class 55 Rating, Add	985.85	
			For Class 56 Rating, Add	1,308.25	
40 05 19 00-1357	EA		20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,543.56	638.13
			For Class 52 Rating, Deduct	-503.44	
			For Class 54 Rating, Add	698.11	
			For Class 55 Rating, Add	1,043.81	
			For Class 56 Rating, Add	1,384.93	
40 05 19 00-1358	EA		20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,806.80	640.61
			For Class 52 Rating, Deduct	-531.98	
			For Class 54 Rating, Add	737.07	
			For Class 55 Rating, Add	1,101.76	
			For Class 56 Rating, Add	1,461.62	
40 05 19 00-1359	EA		20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,070.06	643.09
			For Class 52 Rating, Deduct	-560.52	
			For Class 54 Rating, Add	776.04	
			For Class 55 Rating, Add	1,159.72	
			For Class 56 Rating, Add	1,538.30	
40 05 19 00-1360	EA		20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,333.30	645.58
			For Class 52 Rating, Deduct	-589.07	
			For Class 54 Rating, Add	815.01	
			For Class 55 Rating, Add	1,217.67	
			For Class 56 Rating, Add	1,614.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1361 EA 20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,596.54	648.06
<i>For Class 52 Rating, Deduct</i>	-617.61	
<i>For Class 54 Rating, Add</i>	853.98	
<i>For Class 55 Rating, Add</i>	1,275.63	
<i>For Class 56 Rating, Add</i>	1,691.67	
40 05 19 00-1362 EA 20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,859.79	650.55
<i>For Class 52 Rating, Deduct</i>	-646.15	
<i>For Class 54 Rating, Add</i>	892.95	
<i>For Class 55 Rating, Add</i>	1,333.58	
<i>For Class 56 Rating, Add</i>	1,768.35	
40 05 19 00-1363 EA 20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,123.03	653.02
<i>For Class 52 Rating, Deduct</i>	-674.70	
<i>For Class 54 Rating, Add</i>	931.91	
<i>For Class 55 Rating, Add</i>	1,391.54	
<i>For Class 56 Rating, Add</i>	1,845.03	
40 05 19 00-1364 EA 20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,386.28	655.51
<i>For Class 52 Rating, Deduct</i>	-703.24	
<i>For Class 54 Rating, Add</i>	970.88	
<i>For Class 55 Rating, Add</i>	1,449.50	
<i>For Class 56 Rating, Add</i>	1,921.72	
40 05 19 00-1365 EA 20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,649.53	658.00
<i>For Class 52 Rating, Deduct</i>	-731.78	
<i>For Class 54 Rating, Add</i>	1,009.85	
<i>For Class 55 Rating, Add</i>	1,507.45	
<i>For Class 56 Rating, Add</i>	1,998.40	
40 05 19 00-1366 EA 20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,912.78	660.48
<i>For Class 52 Rating, Deduct</i>	-760.33	
<i>For Class 54 Rating, Add</i>	1,048.82	
<i>For Class 55 Rating, Add</i>	1,565.41	
<i>For Class 56 Rating, Add</i>	2,075.08	
40 05 19 00-1367 EA 20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,176.02	662.96
<i>For Class 52 Rating, Deduct</i>	-788.87	
<i>For Class 54 Rating, Add</i>	1,087.78	
<i>For Class 55 Rating, Add</i>	1,623.36	
<i>For Class 56 Rating, Add</i>	2,151.77	
40 05 19 00-1368 EA 20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,439.27	665.44
<i>For Class 52 Rating, Deduct</i>	-817.41	
<i>For Class 54 Rating, Add</i>	1,126.75	
<i>For Class 55 Rating, Add</i>	1,681.32	
<i>For Class 56 Rating, Add</i>	2,228.45	
40 05 19 00-1369 EA 20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,702.51	667.92
<i>For Class 52 Rating, Deduct</i>	-845.96	
<i>For Class 54 Rating, Add</i>	1,165.72	
<i>For Class 55 Rating, Add</i>	1,739.27	
<i>For Class 56 Rating, Add</i>	2,305.13	
40 05 19 00-1370 EA 20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,965.75	670.40
<i>For Class 52 Rating, Deduct</i>	-874.50	
<i>For Class 54 Rating, Add</i>	1,204.69	
<i>For Class 55 Rating, Add</i>	1,797.23	
<i>For Class 56 Rating, Add</i>	2,381.81	
40 05 19 00-1371 EA 20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,229.01	672.88
<i>For Class 52 Rating, Deduct</i>	-903.04	
<i>For Class 54 Rating, Add</i>	1,243.66	
<i>For Class 55 Rating, Add</i>	1,855.18	
<i>For Class 56 Rating, Add</i>	2,458.50	
40 05 19 00-1372 EA 20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,492.25	675.37
<i>For Class 52 Rating, Deduct</i>	-931.59	
<i>For Class 54 Rating, Add</i>	1,282.62	
<i>For Class 55 Rating, Add</i>	1,913.14	
<i>For Class 56 Rating, Add</i>	2,535.18	
40 05 19 00-1373 EA 20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,755.50	677.86
<i>For Class 52 Rating, Deduct</i>	-960.13	
<i>For Class 54 Rating, Add</i>	1,321.59	
<i>For Class 55 Rating, Add</i>	1,971.09	
<i>For Class 56 Rating, Add</i>	2,611.87	
40 05 19 00-1374 EA 20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,018.75	680.33
<i>For Class 52 Rating, Deduct</i>	-988.67	
<i>For Class 54 Rating, Add</i>	1,360.56	
<i>For Class 55 Rating, Add</i>	2,029.05	
<i>For Class 56 Rating, Add</i>	2,688.55	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1375	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....		10,281.99	682.82
		<i>For Class 52 Rating, Deduct</i>		-1,017.22	
		<i>For Class 54 Rating, Add</i>		1,399.53	
		<i>For Class 55 Rating, Add</i>		2,087.00	
		<i>For Class 56 Rating, Add</i>		2,765.23	
40 05 19 00-1376	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....		10,545.24	685.31
		<i>For Class 52 Rating, Deduct</i>		-1,045.76	
		<i>For Class 54 Rating, Add</i>		1,438.50	
		<i>For Class 55 Rating, Add</i>		2,144.96	
		<i>For Class 56 Rating, Add</i>		2,841.92	
40 05 19 00-1377	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....		10,808.49	687.78
		<i>For Class 52 Rating, Deduct</i>		-1,074.30	
		<i>For Class 54 Rating, Add</i>		1,477.46	
		<i>For Class 55 Rating, Add</i>		2,202.91	
		<i>For Class 56 Rating, Add</i>		2,918.60	
40 05 19 00-1378	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....		11,071.73	690.27
		<i>For Class 52 Rating, Deduct</i>		-1,102.85	
		<i>For Class 54 Rating, Add</i>		1,516.43	
		<i>For Class 55 Rating, Add</i>		2,260.87	
		<i>For Class 56 Rating, Add</i>		2,995.28	
40 05 19 00-1379	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....		11,334.97	692.75
		<i>For Class 52 Rating, Deduct</i>		-1,131.39	
		<i>For Class 54 Rating, Add</i>		1,555.40	
		<i>For Class 55 Rating, Add</i>		2,318.82	
		<i>For Class 56 Rating, Add</i>		3,071.96	
40 05 19 00-1380	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....		11,598.21	695.24
		<i>For Class 52 Rating, Deduct</i>		-1,159.93	
		<i>For Class 54 Rating, Add</i>		1,594.37	
		<i>For Class 55 Rating, Add</i>		2,376.78	
		<i>For Class 56 Rating, Add</i>		3,148.65	
40 05 19 00-1381	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....		11,861.47	697.72
		<i>For Class 52 Rating, Deduct</i>		-1,188.48	
		<i>For Class 54 Rating, Add</i>		1,633.33	
		<i>For Class 55 Rating, Add</i>		2,434.73	
		<i>For Class 56 Rating, Add</i>		3,225.33	
40 05 19 00-1382	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....		12,124.71	700.20
		<i>For Class 52 Rating, Deduct</i>		-1,217.02	
		<i>For Class 54 Rating, Add</i>		1,672.30	
		<i>For Class 55 Rating, Add</i>		2,492.69	
		<i>For Class 56 Rating, Add</i>		3,302.01	
40 05 19 00-1383	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....		12,387.96	702.69
		<i>For Class 52 Rating, Deduct</i>		-1,245.56	
		<i>For Class 54 Rating, Add</i>		1,711.27	
		<i>For Class 55 Rating, Add</i>		2,550.65	
		<i>For Class 56 Rating, Add</i>		3,378.70	
40 05 19 00-1384	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....		12,651.21	705.16
		<i>For Class 52 Rating, Deduct</i>		-1,274.10	
		<i>For Class 54 Rating, Add</i>		1,750.24	
		<i>For Class 55 Rating, Add</i>		2,608.60	
		<i>For Class 56 Rating, Add</i>		3,455.38	
<b>40 05 19 00-1385</b>		<b>24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>			
40 05 19 00-1386	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....		3,573.03	725.03
		<i>For Class 52 Rating, Deduct</i>		-272.20	
		<i>For Class 54 Rating, Add</i>		384.36	
		<i>For Class 55 Rating, Add</i>		578.18	
		<i>For Class 56 Rating, Add</i>		769.52	
40 05 19 00-1387	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....		3,898.34	727.51
		<i>For Class 52 Rating, Deduct</i>		-307.56	
		<i>For Class 54 Rating, Add</i>		432.63	
		<i>For Class 55 Rating, Add</i>		649.97	
		<i>For Class 56 Rating, Add</i>		864.51	
40 05 19 00-1388	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....		4,223.63	730.00
		<i>For Class 52 Rating, Deduct</i>		-342.93	
		<i>For Class 54 Rating, Add</i>		480.91	
		<i>For Class 55 Rating, Add</i>		721.76	
		<i>For Class 56 Rating, Add</i>		959.50	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1389 EA 24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,548.93	732.47
<i>For Class 52 Rating, Deduct</i>	-378.30	
<i>For Class 54 Rating, Add</i>	529.18	
<i>For Class 55 Rating, Add</i>	793.56	
<i>For Class 56 Rating, Add</i>	1,054.49	
40 05 19 00-1390 EA 24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,874.22	734.96
<i>For Class 52 Rating, Deduct</i>	-413.67	
<i>For Class 54 Rating, Add</i>	577.46	
<i>For Class 55 Rating, Add</i>	865.35	
<i>For Class 56 Rating, Add</i>	1,149.48	
40 05 19 00-1391 EA 24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,199.51	737.45
<i>For Class 52 Rating, Deduct</i>	-449.04	
<i>For Class 54 Rating, Add</i>	625.73	
<i>For Class 55 Rating, Add</i>	937.14	
<i>For Class 56 Rating, Add</i>	1,244.46	
40 05 19 00-1392 EA 24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,524.81	739.93
<i>For Class 52 Rating, Deduct</i>	-484.41	
<i>For Class 54 Rating, Add</i>	674.01	
<i>For Class 55 Rating, Add</i>	1,008.93	
<i>For Class 56 Rating, Add</i>	1,339.45	
40 05 19 00-1393 EA 24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,850.11	742.41
<i>For Class 52 Rating, Deduct</i>	-519.78	
<i>For Class 54 Rating, Add</i>	722.28	
<i>For Class 55 Rating, Add</i>	1,080.73	
<i>For Class 56 Rating, Add</i>	1,434.44	
40 05 19 00-1394 EA 24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,175.41	744.90
<i>For Class 52 Rating, Deduct</i>	-555.15	
<i>For Class 54 Rating, Add</i>	770.56	
<i>For Class 55 Rating, Add</i>	1,152.52	
<i>For Class 56 Rating, Add</i>	1,529.43	
40 05 19 00-1395 EA 24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,500.70	747.38
<i>For Class 52 Rating, Deduct</i>	-590.51	
<i>For Class 54 Rating, Add</i>	818.84	
<i>For Class 55 Rating, Add</i>	1,224.31	
<i>For Class 56 Rating, Add</i>	1,624.42	
40 05 19 00-1396 EA 24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,826.01	749.86
<i>For Class 52 Rating, Deduct</i>	-625.88	
<i>For Class 54 Rating, Add</i>	867.11	
<i>For Class 55 Rating, Add</i>	1,296.10	
<i>For Class 56 Rating, Add</i>	1,719.41	
40 05 19 00-1397 EA 24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,151.30	752.34
<i>For Class 52 Rating, Deduct</i>	-661.25	
<i>For Class 54 Rating, Add</i>	915.39	
<i>For Class 55 Rating, Add</i>	1,367.90	
<i>For Class 56 Rating, Add</i>	1,814.39	
40 05 19 00-1398 EA 24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,476.60	754.83
<i>For Class 52 Rating, Deduct</i>	-696.62	
<i>For Class 54 Rating, Add</i>	963.66	
<i>For Class 55 Rating, Add</i>	1,439.69	
<i>For Class 56 Rating, Add</i>	1,909.38	
40 05 19 00-1399 EA 24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,801.89	757.32
<i>For Class 52 Rating, Deduct</i>	-731.99	
<i>For Class 54 Rating, Add</i>	1,011.94	
<i>For Class 55 Rating, Add</i>	1,511.48	
<i>For Class 56 Rating, Add</i>	2,004.37	
40 05 19 00-1400 EA 24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,127.19	759.79
<i>For Class 52 Rating, Deduct</i>	-767.36	
<i>For Class 54 Rating, Add</i>	1,060.21	
<i>For Class 55 Rating, Add</i>	1,583.27	
<i>For Class 56 Rating, Add</i>	2,099.36	
40 05 19 00-1401 EA 24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,452.48	762.28
<i>For Class 52 Rating, Deduct</i>	-802.73	
<i>For Class 54 Rating, Add</i>	1,108.49	
<i>For Class 55 Rating, Add</i>	1,655.07	
<i>For Class 56 Rating, Add</i>	2,194.35	
40 05 19 00-1402 EA 24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,777.79	764.77
<i>For Class 52 Rating, Deduct</i>	-838.10	
<i>For Class 54 Rating, Add</i>	1,156.76	
<i>For Class 55 Rating, Add</i>	1,726.86	
<i>For Class 56 Rating, Add</i>	2,289.34	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1403	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	9,103.08	767.24
		<i>For Class 52 Rating, Deduct</i>		-873.46	
		<i>For Class 54 Rating, Add</i>		1,205.04	
		<i>For Class 55 Rating, Add</i>		1,798.65	
		<i>For Class 56 Rating, Add</i>		2,384.32	
40 05 19 00-1404	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	9,428.38	769.73
		<i>For Class 52 Rating, Deduct</i>		-908.83	
		<i>For Class 54 Rating, Add</i>		1,253.31	
		<i>For Class 55 Rating, Add</i>		1,870.44	
		<i>For Class 56 Rating, Add</i>		2,479.31	
40 05 19 00-1405	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	9,753.68	772.20
		<i>For Class 52 Rating, Deduct</i>		-944.20	
		<i>For Class 54 Rating, Add</i>		1,301.59	
		<i>For Class 55 Rating, Add</i>		1,942.24	
		<i>For Class 56 Rating, Add</i>		2,574.30	
40 05 19 00-1406	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	10,078.98	774.69
		<i>For Class 52 Rating, Deduct</i>		-979.57	
		<i>For Class 54 Rating, Add</i>		1,349.87	
		<i>For Class 55 Rating, Add</i>		2,014.03	
		<i>For Class 56 Rating, Add</i>		2,669.29	
40 05 19 00-1407	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	10,404.27	777.17
		<i>For Class 52 Rating, Deduct</i>		-1,014.94	
		<i>For Class 54 Rating, Add</i>		1,398.14	
		<i>For Class 55 Rating, Add</i>		2,085.82	
		<i>For Class 56 Rating, Add</i>		2,764.28	
40 05 19 00-1408	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	10,729.55	779.65
		<i>For Class 52 Rating, Deduct</i>		-1,050.31	
		<i>For Class 54 Rating, Add</i>		1,446.41	
		<i>For Class 55 Rating, Add</i>		2,157.61	
		<i>For Class 56 Rating, Add</i>		2,859.26	
40 05 19 00-1409	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	11,054.86	782.14
		<i>For Class 52 Rating, Deduct</i>		-1,085.68	
		<i>For Class 54 Rating, Add</i>		1,494.69	
		<i>For Class 55 Rating, Add</i>		2,229.41	
		<i>For Class 56 Rating, Add</i>		2,954.25	
40 05 19 00-1410	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	11,380.15	784.63
		<i>For Class 52 Rating, Deduct</i>		-1,121.05	
		<i>For Class 54 Rating, Add</i>		1,542.97	
		<i>For Class 55 Rating, Add</i>		2,301.20	
		<i>For Class 56 Rating, Add</i>		3,049.24	
40 05 19 00-1411	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	11,705.45	787.10
		<i>For Class 52 Rating, Deduct</i>		-1,156.42	
		<i>For Class 54 Rating, Add</i>		1,591.24	
		<i>For Class 55 Rating, Add</i>		2,372.99	
		<i>For Class 56 Rating, Add</i>		3,144.23	
40 05 19 00-1412	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	12,030.75	789.59
		<i>For Class 52 Rating, Deduct</i>		-1,191.78	
		<i>For Class 54 Rating, Add</i>		1,639.52	
		<i>For Class 55 Rating, Add</i>		2,444.78	
		<i>For Class 56 Rating, Add</i>		3,239.22	
40 05 19 00-1413	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	12,356.05	792.07
		<i>For Class 52 Rating, Deduct</i>		-1,227.15	
		<i>For Class 54 Rating, Add</i>		1,687.79	
		<i>For Class 55 Rating, Add</i>		2,516.58	
		<i>For Class 56 Rating, Add</i>		3,334.21	
40 05 19 00-1414	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	12,681.34	794.55
		<i>For Class 52 Rating, Deduct</i>		-1,262.52	
		<i>For Class 54 Rating, Add</i>		1,736.07	
		<i>For Class 55 Rating, Add</i>		2,588.37	
		<i>For Class 56 Rating, Add</i>		3,429.19	
40 05 19 00-1415	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	13,070.60	839.24
		<i>For Class 52 Rating, Deduct</i>		-1,297.89	
		<i>For Class 54 Rating, Add</i>		1,785.11	
		<i>For Class 55 Rating, Add</i>		2,661.70	
		<i>For Class 56 Rating, Add</i>		3,526.49	
40 05 19 00-1416	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	13,395.90	841.73
		<i>For Class 52 Rating, Deduct</i>		-1,333.26	
		<i>For Class 54 Rating, Add</i>		1,833.39	
		<i>For Class 55 Rating, Add</i>		2,733.49	
		<i>For Class 56 Rating, Add</i>		3,621.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1417 EA 24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,721.19	844.22
<i>For Class 52 Rating, Deduct</i>	-1,368.63	
<i>For Class 54 Rating, Add</i>	1,881.66	
<i>For Class 55 Rating, Add</i>	2,805.28	
<i>For Class 56 Rating, Add</i>	3,716.46	
40 05 19 00-1418 EA 24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,046.48	846.70
<i>For Class 52 Rating, Deduct</i>	-1,404.00	
<i>For Class 54 Rating, Add</i>	1,929.94	
<i>For Class 55 Rating, Add</i>	2,877.07	
<i>For Class 56 Rating, Add</i>	3,811.45	
40 05 19 00-1419 EA 24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,371.79	849.18
<i>For Class 52 Rating, Deduct</i>	-1,439.37	
<i>For Class 54 Rating, Add</i>	1,978.21	
<i>For Class 55 Rating, Add</i>	2,948.87	
<i>For Class 56 Rating, Add</i>	3,906.44	
40 05 19 00-1420 EA 24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,697.08	851.66
<i>For Class 52 Rating, Deduct</i>	-1,474.73	
<i>For Class 54 Rating, Add</i>	2,026.49	
<i>For Class 55 Rating, Add</i>	3,020.66	
<i>For Class 56 Rating, Add</i>	4,001.43	
40 05 19 00-1421 EA 24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,022.38	854.15
<i>For Class 52 Rating, Deduct</i>	-1,510.10	
<i>For Class 54 Rating, Add</i>	2,074.76	
<i>For Class 55 Rating, Add</i>	3,092.45	
<i>For Class 56 Rating, Add</i>	4,096.41	
40 05 19 00-1422 EA 24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,347.67	856.63
<i>For Class 52 Rating, Deduct</i>	-1,545.47	
<i>For Class 54 Rating, Add</i>	2,123.04	
<i>For Class 55 Rating, Add</i>	3,164.24	
<i>For Class 56 Rating, Add</i>	4,191.40	
40 05 19 00-1423 EA 24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,672.98	859.11
<i>For Class 52 Rating, Deduct</i>	-1,580.84	
<i>For Class 54 Rating, Add</i>	2,171.31	
<i>For Class 55 Rating, Add</i>	3,236.04	
<i>For Class 56 Rating, Add</i>	4,286.39	
<b>40 05 19 00-1424 30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1425 EA 30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,461.05	1,023.00
<i>For Class 52 Rating, Deduct</i>	-430.22	
<i>For Class 54 Rating, Add</i>	605.26	
<i>For Class 55 Rating, Add</i>	909.37	
<i>For Class 56 Rating, Add</i>	1,209.56	
40 05 19 00-1426 EA 30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,929.24	1,025.47
<i>For Class 52 Rating, Deduct</i>	-481.31	
<i>For Class 54 Rating, Add</i>	674.97	
<i>For Class 55 Rating, Add</i>	1,013.03	
<i>For Class 56 Rating, Add</i>	1,346.71	
40 05 19 00-1427 EA 30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,397.45	1,027.96
<i>For Class 52 Rating, Deduct</i>	-532.39	
<i>For Class 54 Rating, Add</i>	744.68	
<i>For Class 55 Rating, Add</i>	1,116.69	
<i>For Class 56 Rating, Add</i>	1,483.85	
40 05 19 00-1428 EA 30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,865.65	1,030.44
<i>For Class 52 Rating, Deduct</i>	-583.48	
<i>For Class 54 Rating, Add</i>	814.39	
<i>For Class 55 Rating, Add</i>	1,220.35	
<i>For Class 56 Rating, Add</i>	1,621.00	
40 05 19 00-1429 EA 30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,333.85	1,032.93
<i>For Class 52 Rating, Deduct</i>	-634.57	
<i>For Class 54 Rating, Add</i>	884.10	
<i>For Class 55 Rating, Add</i>	1,324.01	
<i>For Class 56 Rating, Add</i>	1,758.14	
40 05 19 00-1430 EA 30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,802.06	1,035.41
<i>For Class 52 Rating, Deduct</i>	-685.66	
<i>For Class 54 Rating, Add</i>	953.81	
<i>For Class 55 Rating, Add</i>	1,427.67	
<i>For Class 56 Rating, Add</i>	1,895.29	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1431	EA		30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,270.26	1,037.88
			<i>For Class 52 Rating, Deduct</i>	-736.75	
			<i>For Class 54 Rating, Add</i>	1,023.53	
			<i>For Class 55 Rating, Add</i>	1,531.33	
			<i>For Class 56 Rating, Add</i>	2,032.43	
40 05 19 00-1432	EA		30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,738.45	1,040.37
			<i>For Class 52 Rating, Deduct</i>	-787.84	
			<i>For Class 54 Rating, Add</i>	1,093.24	
			<i>For Class 55 Rating, Add</i>	1,634.99	
			<i>For Class 56 Rating, Add</i>	2,169.58	
40 05 19 00-1433	EA		30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,206.66	1,042.85
			<i>For Class 52 Rating, Deduct</i>	-838.92	
			<i>For Class 54 Rating, Add</i>	1,162.95	
			<i>For Class 55 Rating, Add</i>	1,738.65	
			<i>For Class 56 Rating, Add</i>	2,306.72	
40 05 19 00-1434	EA		30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,674.86	1,045.33
			<i>For Class 52 Rating, Deduct</i>	-890.01	
			<i>For Class 54 Rating, Add</i>	1,232.66	
			<i>For Class 55 Rating, Add</i>	1,842.31	
			<i>For Class 56 Rating, Add</i>	2,443.87	
40 05 19 00-1435	EA		30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,143.06	1,047.82
			<i>For Class 52 Rating, Deduct</i>	-941.10	
			<i>For Class 54 Rating, Add</i>	1,302.37	
			<i>For Class 55 Rating, Add</i>	1,945.97	
			<i>For Class 56 Rating, Add</i>	2,581.01	
40 05 19 00-1436	EA		30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,611.27	1,050.31
			<i>For Class 52 Rating, Deduct</i>	-992.19	
			<i>For Class 54 Rating, Add</i>	1,372.08	
			<i>For Class 55 Rating, Add</i>	2,049.63	
			<i>For Class 56 Rating, Add</i>	2,718.16	
40 05 19 00-1437	EA		30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,079.46	1,052.78
			<i>For Class 52 Rating, Deduct</i>	-1,043.28	
			<i>For Class 54 Rating, Add</i>	1,441.79	
			<i>For Class 55 Rating, Add</i>	2,153.29	
			<i>For Class 56 Rating, Add</i>	2,855.30	
40 05 19 00-1438	EA		30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,547.66	1,055.27
			<i>For Class 52 Rating, Deduct</i>	-1,094.36	
			<i>For Class 54 Rating, Add</i>	1,511.50	
			<i>For Class 55 Rating, Add</i>	2,256.95	
			<i>For Class 56 Rating, Add</i>	2,992.45	
40 05 19 00-1439	EA		30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,015.87	1,057.75
			<i>For Class 52 Rating, Deduct</i>	-1,145.45	
			<i>For Class 54 Rating, Add</i>	1,581.21	
			<i>For Class 55 Rating, Add</i>	2,360.61	
			<i>For Class 56 Rating, Add</i>	3,129.59	
40 05 19 00-1440	EA		30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,484.07	1,060.23
			<i>For Class 52 Rating, Deduct</i>	-1,196.54	
			<i>For Class 54 Rating, Add</i>	1,650.92	
			<i>For Class 55 Rating, Add</i>	2,464.27	
			<i>For Class 56 Rating, Add</i>	3,266.74	
40 05 19 00-1441	EA		30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,952.26	1,062.72
			<i>For Class 52 Rating, Deduct</i>	-1,247.63	
			<i>For Class 54 Rating, Add</i>	1,720.64	
			<i>For Class 55 Rating, Add</i>	2,567.93	
			<i>For Class 56 Rating, Add</i>	3,403.88	
40 05 19 00-1442	EA		30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,420.47	1,065.20
			<i>For Class 52 Rating, Deduct</i>	-1,298.72	
			<i>For Class 54 Rating, Add</i>	1,790.35	
			<i>For Class 55 Rating, Add</i>	2,671.59	
			<i>For Class 56 Rating, Add</i>	3,541.03	
40 05 19 00-1443	EA		30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,888.67	1,067.69
			<i>For Class 52 Rating, Deduct</i>	-1,349.81	
			<i>For Class 54 Rating, Add</i>	1,860.06	
			<i>For Class 55 Rating, Add</i>	2,775.25	
			<i>For Class 56 Rating, Add</i>	3,678.17	
40 05 19 00-1444	EA		30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,356.87	1,070.16
			<i>For Class 52 Rating, Deduct</i>	-1,400.90	
			<i>For Class 54 Rating, Add</i>	1,929.77	
			<i>For Class 55 Rating, Add</i>	2,878.91	
			<i>For Class 56 Rating, Add</i>	3,815.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1445 EA 30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,825.08	1,072.65
<i>For Class 52 Rating, Deduct</i>	-1,451.98	
<i>For Class 54 Rating, Add</i>	1,999.48	
<i>For Class 55 Rating, Add</i>	2,982.57	
<i>For Class 56 Rating, Add</i>	3,952.46	
40 05 19 00-1446 EA 30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,293.28	1,075.14
<i>For Class 52 Rating, Deduct</i>	-1,503.07	
<i>For Class 54 Rating, Add</i>	2,069.19	
<i>For Class 55 Rating, Add</i>	3,086.23	
<i>For Class 56 Rating, Add</i>	4,089.61	
40 05 19 00-1447 EA 30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,761.47	1,077.61
<i>For Class 52 Rating, Deduct</i>	-1,554.16	
<i>For Class 54 Rating, Add</i>	2,138.90	
<i>For Class 55 Rating, Add</i>	3,189.89	
<i>For Class 56 Rating, Add</i>	4,226.75	
40 05 19 00-1448 EA 30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,229.68	1,080.10
<i>For Class 52 Rating, Deduct</i>	-1,605.25	
<i>For Class 54 Rating, Add</i>	2,208.61	
<i>For Class 55 Rating, Add</i>	3,293.55	
<i>For Class 56 Rating, Add</i>	4,363.90	
40 05 19 00-1449 EA 30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,697.88	1,082.59
<i>For Class 52 Rating, Deduct</i>	-1,656.34	
<i>For Class 54 Rating, Add</i>	2,278.32	
<i>For Class 55 Rating, Add</i>	3,397.21	
<i>For Class 56 Rating, Add</i>	4,501.04	
40 05 19 00-1450 EA 30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,166.07	1,085.07
<i>For Class 52 Rating, Deduct</i>	-1,707.42	
<i>For Class 54 Rating, Add</i>	2,348.03	
<i>For Class 55 Rating, Add</i>	3,500.87	
<i>For Class 56 Rating, Add</i>	4,638.19	
40 05 19 00-1451 EA 30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,634.28	1,087.55
<i>For Class 52 Rating, Deduct</i>	-1,758.51	
<i>For Class 54 Rating, Add</i>	2,417.75	
<i>For Class 55 Rating, Add</i>	3,604.53	
<i>For Class 56 Rating, Add</i>	4,775.33	
40 05 19 00-1452 EA 30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,102.48	1,090.03
<i>For Class 52 Rating, Deduct</i>	-1,809.60	
<i>For Class 54 Rating, Add</i>	2,487.46	
<i>For Class 55 Rating, Add</i>	3,708.19	
<i>For Class 56 Rating, Add</i>	4,912.48	
40 05 19 00-1453 EA 30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,570.68	1,092.51
<i>For Class 52 Rating, Deduct</i>	-1,860.69	
<i>For Class 54 Rating, Add</i>	2,557.17	
<i>For Class 55 Rating, Add</i>	3,811.85	
<i>For Class 56 Rating, Add</i>	5,049.62	
40 05 19 00-1454 EA 30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,038.89	1,095.00
<i>For Class 52 Rating, Deduct</i>	-1,911.78	
<i>For Class 54 Rating, Add</i>	2,626.88	
<i>For Class 55 Rating, Add</i>	3,915.51	
<i>For Class 56 Rating, Add</i>	5,186.77	
40 05 19 00-1455 EA 30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,507.09	1,097.47
<i>For Class 52 Rating, Deduct</i>	-1,962.87	
<i>For Class 54 Rating, Add</i>	2,696.59	
<i>For Class 55 Rating, Add</i>	4,019.17	
<i>For Class 56 Rating, Add</i>	5,323.91	
40 05 19 00-1456 EA 30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,975.29	1,099.96
<i>For Class 52 Rating, Deduct</i>	-2,013.95	
<i>For Class 54 Rating, Add</i>	2,766.30	
<i>For Class 55 Rating, Add</i>	4,122.83	
<i>For Class 56 Rating, Add</i>	5,461.06	
40 05 19 00-1457 EA 30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,443.48	1,102.45
<i>For Class 52 Rating, Deduct</i>	-2,065.04	
<i>For Class 54 Rating, Add</i>	2,836.01	
<i>For Class 55 Rating, Add</i>	4,226.49	
<i>For Class 56 Rating, Add</i>	5,598.20	
40 05 19 00-1458 EA 30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,911.69	1,104.92
<i>For Class 52 Rating, Deduct</i>	-2,116.13	
<i>For Class 54 Rating, Add</i>	2,905.72	
<i>For Class 55 Rating, Add</i>	4,330.15	
<i>For Class 56 Rating, Add</i>	5,735.35	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1459	EA		30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,379.88	1,107.41
			<i>For Class 52 Rating, Deduct</i> .....	-2,167.22	
			<i>For Class 54 Rating, Add</i> .....	2,975.43	
			<i>For Class 55 Rating, Add</i> .....	4,433.81	
			<i>For Class 56 Rating, Add</i> .....	5,872.49	
40 05 19 00-1460	EA		30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,848.08	1,109.89
			<i>For Class 52 Rating, Deduct</i> .....	-2,218.31	
			<i>For Class 54 Rating, Add</i> .....	3,045.14	
			<i>For Class 55 Rating, Add</i> .....	4,537.47	
			<i>For Class 56 Rating, Add</i> .....	6,009.64	
40 05 19 00-1461	EA		30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,316.29	1,112.38
			<i>For Class 52 Rating, Deduct</i> .....	-2,269.40	
			<i>For Class 54 Rating, Add</i> .....	3,114.86	
			<i>For Class 55 Rating, Add</i> .....	4,641.13	
			<i>For Class 56 Rating, Add</i> .....	6,146.78	
40 05 19 00-1462	EA		30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,784.49	1,114.86
			<i>For Class 52 Rating, Deduct</i> .....	-2,320.48	
			<i>For Class 54 Rating, Add</i> .....	3,184.57	
			<i>For Class 55 Rating, Add</i> .....	4,744.79	
			<i>For Class 56 Rating, Add</i> .....	6,283.93	
<b>40 05 19 00-1463</b>			<b>36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1464	EA		36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,533.33	1,296.12
			<i>For Class 52 Rating, Deduct</i> .....	-612.65	
			<i>For Class 54 Rating, Add</i> .....	858.99	
			<i>For Class 55 Rating, Add</i> .....	1,289.13	
			<i>For Class 56 Rating, Add</i> .....	1,713.70	
40 05 19 00-1465	EA		36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,168.88	1,298.61
			<i>For Class 52 Rating, Deduct</i> .....	-682.14	
			<i>For Class 54 Rating, Add</i> .....	953.81	
			<i>For Class 55 Rating, Add</i> .....	1,430.11	
			<i>For Class 56 Rating, Add</i> .....	1,900.22	
40 05 19 00-1466	EA		36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,804.42	1,301.09
			<i>For Class 52 Rating, Deduct</i> .....	-751.64	
			<i>For Class 54 Rating, Add</i> .....	1,048.62	
			<i>For Class 55 Rating, Add</i> .....	1,571.09	
			<i>For Class 56 Rating, Add</i> .....	2,086.73	
40 05 19 00-1467	EA		36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,439.97	1,303.56
			<i>For Class 52 Rating, Deduct</i> .....	-821.14	
			<i>For Class 54 Rating, Add</i> .....	1,143.43	
			<i>For Class 55 Rating, Add</i> .....	1,712.07	
			<i>For Class 56 Rating, Add</i> .....	2,273.24	
40 05 19 00-1468	EA		36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,075.52	1,306.05
			<i>For Class 52 Rating, Deduct</i> .....	-890.63	
			<i>For Class 54 Rating, Add</i> .....	1,238.25	
			<i>For Class 55 Rating, Add</i> .....	1,853.05	
			<i>For Class 56 Rating, Add</i> .....	2,459.75	
40 05 19 00-1469	EA		36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,711.07	1,308.52
			<i>For Class 52 Rating, Deduct</i> .....	-960.13	
			<i>For Class 54 Rating, Add</i> .....	1,333.06	
			<i>For Class 55 Rating, Add</i> .....	1,994.03	
			<i>For Class 56 Rating, Add</i> .....	2,646.27	
40 05 19 00-1470	EA		36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,346.62	1,311.01
			<i>For Class 52 Rating, Deduct</i> .....	-1,029.63	
			<i>For Class 54 Rating, Add</i> .....	1,427.87	
			<i>For Class 55 Rating, Add</i> .....	2,135.00	
			<i>For Class 56 Rating, Add</i> .....	2,832.78	
40 05 19 00-1471	EA		36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,982.17	1,313.50
			<i>For Class 52 Rating, Deduct</i> .....	-1,099.12	
			<i>For Class 54 Rating, Add</i> .....	1,522.68	
			<i>For Class 55 Rating, Add</i> .....	2,275.98	
			<i>For Class 56 Rating, Add</i> .....	3,019.29	
40 05 19 00-1472	EA		36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,617.72	1,315.98
			<i>For Class 52 Rating, Deduct</i> .....	-1,168.62	
			<i>For Class 54 Rating, Add</i> .....	1,617.50	
			<i>For Class 55 Rating, Add</i> .....	2,416.96	
			<i>For Class 56 Rating, Add</i> .....	3,205.80	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1473	EA 36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		13,253.28	1,318.46
	For Class 52 Rating, Deduct		-1,238.12	
	For Class 54 Rating, Add		1,712.31	
	For Class 55 Rating, Add		2,557.94	
	For Class 56 Rating, Add		3,392.32	
40 05 19 00-1474	EA 36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		13,888.82	1,320.95
	For Class 52 Rating, Deduct		-1,307.61	
	For Class 54 Rating, Add		1,807.12	
	For Class 55 Rating, Add		2,698.92	
	For Class 56 Rating, Add		3,578.83	
40 05 19 00-1475	EA 36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		14,524.37	1,323.43
	For Class 52 Rating, Deduct		-1,377.11	
	For Class 54 Rating, Add		1,901.94	
	For Class 55 Rating, Add		2,839.90	
	For Class 56 Rating, Add		3,765.34	
40 05 19 00-1476	EA 36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		15,159.92	1,325.91
	For Class 52 Rating, Deduct		-1,446.61	
	For Class 54 Rating, Add		1,996.75	
	For Class 55 Rating, Add		2,980.88	
	For Class 56 Rating, Add		3,951.86	
40 05 19 00-1477	EA 36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		15,795.47	1,328.39
	For Class 52 Rating, Deduct		-1,516.10	
	For Class 54 Rating, Add		2,091.57	
	For Class 55 Rating, Add		3,121.86	
	For Class 56 Rating, Add		4,138.37	
40 05 19 00-1478	EA 36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		16,431.01	1,330.88
	For Class 52 Rating, Deduct		-1,585.60	
	For Class 54 Rating, Add		2,186.38	
	For Class 55 Rating, Add		3,262.84	
	For Class 56 Rating, Add		4,324.88	
40 05 19 00-1479	EA 36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		17,066.57	1,333.37
	For Class 52 Rating, Deduct		-1,655.10	
	For Class 54 Rating, Add		2,281.19	
	For Class 55 Rating, Add		3,403.82	
	For Class 56 Rating, Add		4,511.39	
40 05 19 00-1480	EA 36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		17,702.12	1,335.84
	For Class 52 Rating, Deduct		-1,724.59	
	For Class 54 Rating, Add		2,376.00	
	For Class 55 Rating, Add		3,544.79	
	For Class 56 Rating, Add		4,697.91	
40 05 19 00-1481	EA 36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		18,337.67	1,338.33
	For Class 52 Rating, Deduct		-1,794.09	
	For Class 54 Rating, Add		2,470.82	
	For Class 55 Rating, Add		3,685.77	
	For Class 56 Rating, Add		4,884.42	
40 05 19 00-1482	EA 36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		18,973.22	1,340.82
	For Class 52 Rating, Deduct		-1,863.58	
	For Class 54 Rating, Add		2,565.63	
	For Class 55 Rating, Add		3,826.75	
	For Class 56 Rating, Add		5,070.93	
40 05 19 00-1483	EA 36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		19,608.77	1,343.30
	For Class 52 Rating, Deduct		-1,933.08	
	For Class 54 Rating, Add		2,660.44	
	For Class 55 Rating, Add		3,967.73	
	For Class 56 Rating, Add		5,257.44	
40 05 19 00-1484	EA 36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		20,244.32	1,345.78
	For Class 52 Rating, Deduct		-2,002.58	
	For Class 54 Rating, Add		2,755.26	
	For Class 55 Rating, Add		4,108.71	
	For Class 56 Rating, Add		5,443.96	
40 05 19 00-1485	EA 36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		20,879.86	1,348.26
	For Class 52 Rating, Deduct		-2,072.08	
	For Class 54 Rating, Add		2,850.07	
	For Class 55 Rating, Add		4,249.69	
	For Class 56 Rating, Add		5,630.47	
40 05 19 00-1486	EA 36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		21,515.41	1,350.75
	For Class 52 Rating, Deduct		-2,141.57	
	For Class 54 Rating, Add		2,944.88	
	For Class 55 Rating, Add		4,390.67	
	For Class 56 Rating, Add		5,816.98	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1487	EA		36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,150.96	1,353.23
			<i>For Class 52 Rating, Deduct</i>	-2,211.07	
			<i>For Class 54 Rating, Add</i>	3,039.70	
			<i>For Class 55 Rating, Add</i>	4,531.65	
			<i>For Class 56 Rating, Add</i>	6,003.50	
40 05 19 00-1488	EA		36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,786.51	1,355.71
			<i>For Class 52 Rating, Deduct</i>	-2,280.57	
			<i>For Class 54 Rating, Add</i>	3,134.51	
			<i>For Class 55 Rating, Add</i>	4,672.63	
			<i>For Class 56 Rating, Add</i>	6,190.01	
40 05 19 00-1489	EA		36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,422.07	1,358.19
			<i>For Class 52 Rating, Deduct</i>	-2,350.06	
			<i>For Class 54 Rating, Add</i>	3,229.32	
			<i>For Class 55 Rating, Add</i>	4,813.61	
			<i>For Class 56 Rating, Add</i>	6,376.52	
40 05 19 00-1490	EA		36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,057.61	1,360.68
			<i>For Class 52 Rating, Deduct</i>	-2,419.56	
			<i>For Class 54 Rating, Add</i>	3,324.14	
			<i>For Class 55 Rating, Add</i>	4,954.58	
			<i>For Class 56 Rating, Add</i>	6,563.03	
40 05 19 00-1491	EA		36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,693.16	1,363.15
			<i>For Class 52 Rating, Deduct</i>	-2,489.05	
			<i>For Class 54 Rating, Add</i>	3,418.95	
			<i>For Class 55 Rating, Add</i>	5,095.56	
			<i>For Class 56 Rating, Add</i>	6,749.55	
40 05 19 00-1492	EA		36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,328.72	1,365.64
			<i>For Class 52 Rating, Deduct</i>	-2,558.55	
			<i>For Class 54 Rating, Add</i>	3,513.76	
			<i>For Class 55 Rating, Add</i>	5,236.54	
			<i>For Class 56 Rating, Add</i>	6,936.06	
40 05 19 00-1493	EA		36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,964.27	1,368.13
			<i>For Class 52 Rating, Deduct</i>	-2,628.05	
			<i>For Class 54 Rating, Add</i>	3,608.58	
			<i>For Class 55 Rating, Add</i>	5,377.52	
			<i>For Class 56 Rating, Add</i>	7,122.57	
40 05 19 00-1494	EA		36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,599.80	1,370.60
			<i>For Class 52 Rating, Deduct</i>	-2,697.54	
			<i>For Class 54 Rating, Add</i>	3,703.39	
			<i>For Class 55 Rating, Add</i>	5,518.50	
			<i>For Class 56 Rating, Add</i>	7,309.08	
40 05 19 00-1495	EA		36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,235.36	1,373.09
			<i>For Class 52 Rating, Deduct</i>	-2,767.04	
			<i>For Class 54 Rating, Add</i>	3,798.20	
			<i>For Class 55 Rating, Add</i>	5,659.48	
			<i>For Class 56 Rating, Add</i>	7,495.60	
40 05 19 00-1496	EA		36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,870.91	1,375.57
			<i>For Class 52 Rating, Deduct</i>	-2,836.54	
			<i>For Class 54 Rating, Add</i>	3,893.02	
			<i>For Class 55 Rating, Add</i>	5,800.46	
			<i>For Class 56 Rating, Add</i>	7,682.11	
40 05 19 00-1497	EA		36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	28,506.46	1,378.06
			<i>For Class 52 Rating, Deduct</i>	-2,906.04	
			<i>For Class 54 Rating, Add</i>	3,987.83	
			<i>For Class 55 Rating, Add</i>	5,941.44	
			<i>For Class 56 Rating, Add</i>	7,868.62	
40 05 19 00-1498	EA		36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	29,142.01	1,380.54
			<i>For Class 52 Rating, Deduct</i>	-2,975.53	
			<i>For Class 54 Rating, Add</i>	4,082.64	
			<i>For Class 55 Rating, Add</i>	6,082.41	
			<i>For Class 56 Rating, Add</i>	8,055.13	
40 05 19 00-1499	EA		36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	29,777.56	1,383.02
			<i>For Class 52 Rating, Deduct</i>	-3,045.03	
			<i>For Class 54 Rating, Add</i>	4,177.46	
			<i>For Class 55 Rating, Add</i>	6,223.39	
			<i>For Class 56 Rating, Add</i>	8,241.65	
40 05 19 00-1500	EA		36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	30,413.11	1,385.51
			<i>For Class 52 Rating, Deduct</i>	-3,114.52	
			<i>For Class 54 Rating, Add</i>	4,272.27	
			<i>For Class 55 Rating, Add</i>	6,364.37	
			<i>For Class 56 Rating, Add</i>	8,428.16	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1501 EA 36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,048.67	1,387.98
For Class 52 Rating, Deduct	-3,184.02	
For Class 54 Rating, Add	4,367.08	
For Class 55 Rating, Add	6,505.35	
For Class 56 Rating, Add	8,614.68	
<b>40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1503 EA 42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,942.21	1,633.80
For Class 52 Rating, Deduct	-821.34	
For Class 54 Rating, Add	1,149.72	
For Class 55 Rating, Add	1,724.50	
For Class 56 Rating, Add	2,291.81	
40 05 19 00-1504 EA 42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,889.89	1,636.28
For Class 52 Rating, Deduct	-925.17	
For Class 54 Rating, Add	1,291.35	
For Class 55 Rating, Add	1,935.08	
For Class 56 Rating, Add	2,570.40	
40 05 19 00-1505 EA 42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,826.29	1,638.77
For Class 52 Rating, Deduct	-1,027.76	
For Class 54 Rating, Add	1,431.29	
For Class 55 Rating, Add	2,143.15	
For Class 56 Rating, Add	2,845.66	
40 05 19 00-1506 EA 42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,772.10	1,641.25
For Class 52 Rating, Deduct	-1,131.39	
For Class 54 Rating, Add	1,572.64	
For Class 55 Rating, Add	2,353.32	
For Class 56 Rating, Add	3,123.70	
40 05 19 00-1507 EA 42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,708.50	1,643.74
For Class 52 Rating, Deduct	-1,233.98	
For Class 54 Rating, Add	1,712.58	
For Class 55 Rating, Add	2,561.38	
For Class 56 Rating, Add	3,398.97	
40 05 19 00-1508 EA 42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,656.18	1,646.21
For Class 52 Rating, Deduct	-1,337.81	
For Class 54 Rating, Add	1,854.22	
For Class 55 Rating, Add	2,771.97	
For Class 56 Rating, Add	3,677.56	
40 05 19 00-1509 EA 42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,590.71	1,648.70
For Class 52 Rating, Deduct	-1,440.19	
For Class 54 Rating, Add	1,993.88	
For Class 55 Rating, Add	2,979.62	
For Class 56 Rating, Add	3,952.27	
40 05 19 00-1510 EA 42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,538.39	1,651.19
For Class 52 Rating, Deduct	-1,544.02	
For Class 54 Rating, Add	2,135.51	
For Class 55 Rating, Add	3,190.20	
For Class 56 Rating, Add	4,230.86	
40 05 19 00-1511 EA 42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,474.78	1,653.67
For Class 52 Rating, Deduct	-1,646.62	
For Class 54 Rating, Add	2,275.45	
For Class 55 Rating, Add	3,398.27	
For Class 56 Rating, Add	4,506.12	
40 05 19 00-1512 EA 42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,420.59	1,656.15
For Class 52 Rating, Deduct	-1,750.24	
For Class 54 Rating, Add	2,416.80	
For Class 55 Rating, Add	3,608.44	
For Class 56 Rating, Add	4,784.16	
40 05 19 00-1513 EA 42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,356.99	1,658.64
For Class 52 Rating, Deduct	-1,852.83	
For Class 54 Rating, Add	2,556.74	
For Class 55 Rating, Add	3,816.51	
For Class 56 Rating, Add	5,059.42	
40 05 19 00-1514 EA 42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,302.79	1,661.12
For Class 52 Rating, Deduct	-1,956.45	
For Class 54 Rating, Add	2,698.09	
For Class 55 Rating, Add	4,026.67	
For Class 56 Rating, Add	5,337.46	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1515	EA		42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,239.20	1,663.60
			<i>For Class 52 Rating, Deduct</i>	-2,059.04	
			<i>For Class 54 Rating, Add</i>	2,838.04	
			<i>For Class 55 Rating, Add</i>	4,234.74	
			<i>For Class 56 Rating, Add</i>	5,612.73	
40 05 19 00-1516	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,177.47	1,666.08
			<i>For Class 52 Rating, Deduct</i>	-2,161.84	
			<i>For Class 54 Rating, Add</i>	2,978.26	
			<i>For Class 55 Rating, Add</i>	4,443.23	
			<i>For Class 56 Rating, Add</i>	5,888.54	
40 05 19 00-1517	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,121.39	1,668.57
			<i>For Class 52 Rating, Deduct</i>	-2,265.26	
			<i>For Class 54 Rating, Add</i>	3,119.33	
			<i>For Class 55 Rating, Add</i>	4,652.97	
			<i>For Class 56 Rating, Add</i>	6,166.02	
40 05 19 00-1518	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,057.79	1,671.06
			<i>For Class 52 Rating, Deduct</i>	-2,367.85	
			<i>For Class 54 Rating, Add</i>	3,259.27	
			<i>For Class 55 Rating, Add</i>	4,861.04	
			<i>For Class 56 Rating, Add</i>	6,441.29	
40 05 19 00-1519	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,005.48	1,673.53
			<i>For Class 52 Rating, Deduct</i>	-2,471.68	
			<i>For Class 54 Rating, Add</i>	3,400.90	
			<i>For Class 55 Rating, Add</i>	5,071.63	
			<i>For Class 56 Rating, Add</i>	6,719.88	
40 05 19 00-1520	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,941.87	1,676.01
			<i>For Class 52 Rating, Deduct</i>	-2,574.27	
			<i>For Class 54 Rating, Add</i>	3,540.84	
			<i>For Class 55 Rating, Add</i>	5,279.69	
			<i>For Class 56 Rating, Add</i>	6,995.14	
40 05 19 00-1521	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,887.67	1,678.50
			<i>For Class 52 Rating, Deduct</i>	-2,677.90	
			<i>For Class 54 Rating, Add</i>	3,682.19	
			<i>For Class 55 Rating, Add</i>	5,489.86	
			<i>For Class 56 Rating, Add</i>	7,273.18	
40 05 19 00-1522	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,824.08	1,680.97
			<i>For Class 52 Rating, Deduct</i>	-2,780.49	
			<i>For Class 54 Rating, Add</i>	3,822.13	
			<i>For Class 55 Rating, Add</i>	5,697.93	
			<i>For Class 56 Rating, Add</i>	7,548.45	
40 05 19 00-1523	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,771.76	1,683.46
			<i>For Class 52 Rating, Deduct</i>	-2,884.32	
			<i>For Class 54 Rating, Add</i>	3,963.77	
			<i>For Class 55 Rating, Add</i>	5,908.51	
			<i>For Class 56 Rating, Add</i>	7,827.04	
40 05 19 00-1524	EA		42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,708.16	1,685.94
			<i>For Class 52 Rating, Deduct</i>	-2,986.91	
			<i>For Class 54 Rating, Add</i>	4,103.71	
			<i>For Class 55 Rating, Add</i>	6,116.58	
			<i>For Class 56 Rating, Add</i>	8,102.30	
40 05 19 00-1525	EA		42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,653.97	1,688.43
			<i>For Class 52 Rating, Deduct</i>	-3,090.53	
			<i>For Class 54 Rating, Add</i>	4,245.06	
			<i>For Class 55 Rating, Add</i>	6,326.75	
			<i>For Class 56 Rating, Add</i>	8,380.34	
40 05 19 00-1526	EA		42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,590.37	1,690.91
			<i>For Class 52 Rating, Deduct</i>	-3,193.12	
			<i>For Class 54 Rating, Add</i>	4,385.00	
			<i>For Class 55 Rating, Add</i>	6,534.82	
			<i>For Class 56 Rating, Add</i>	8,655.60	
40 05 19 00-1527	EA		42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,538.05	1,693.39
			<i>For Class 52 Rating, Deduct</i>	-3,296.95	
			<i>For Class 54 Rating, Add</i>	4,526.63	
			<i>For Class 55 Rating, Add</i>	6,745.40	
			<i>For Class 56 Rating, Add</i>	8,934.20	
40 05 19 00-1528	EA		42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,474.46	1,695.88
			<i>For Class 52 Rating, Deduct</i>	-3,399.54	
			<i>For Class 54 Rating, Add</i>	4,666.58	
			<i>For Class 55 Rating, Add</i>	6,953.47	
			<i>For Class 56 Rating, Add</i>	9,209.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1529 EA 42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,418.37	1,698.36
<i>For Class 52 Rating, Deduct</i>	-3,502.96	
<i>For Class 54 Rating, Add</i>	4,807.64	
<i>For Class 55 Rating, Add</i>	7,163.22	
<i>For Class 56 Rating, Add</i>	9,486.94	
40 05 19 00-1530 EA 42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,356.65	1,700.84
<i>For Class 52 Rating, Deduct</i>	-3,605.76	
<i>For Class 54 Rating, Add</i>	4,947.87	
<i>For Class 55 Rating, Add</i>	7,371.70	
<i>For Class 56 Rating, Add</i>	9,762.76	
40 05 19 00-1531 EA 42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,105.03	1,703.33
<i>For Class 52 Rating, Deduct</i>	-3,687.67	
<i>For Class 54 Rating, Add</i>	5,059.60	
<i>For Class 55 Rating, Add</i>	7,537.84	
<i>For Class 56 Rating, Add</i>	9,982.56	
40 05 19 00-1532 EA 42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,238.86	1,705.82
<i>For Class 52 Rating, Deduct</i>	-3,811.97	
<i>For Class 54 Rating, Add</i>	5,229.16	
<i>For Class 55 Rating, Add</i>	7,789.94	
<i>For Class 56 Rating, Add</i>	10,316.06	
40 05 19 00-1533 EA 42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,175.26	1,708.29
<i>For Class 52 Rating, Deduct</i>	-3,914.56	
<i>For Class 54 Rating, Add</i>	5,369.10	
<i>For Class 55 Rating, Add</i>	7,998.01	
<i>For Class 56 Rating, Add</i>	10,591.33	
40 05 19 00-1534 EA 42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,121.07	1,710.78
<i>For Class 52 Rating, Deduct</i>	-4,018.19	
<i>For Class 54 Rating, Add</i>	5,510.45	
<i>For Class 55 Rating, Add</i>	8,208.17	
<i>For Class 56 Rating, Add</i>	10,869.36	
40 05 19 00-1535 EA 42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,057.47	1,713.26
<i>For Class 52 Rating, Deduct</i>	-4,120.78	
<i>For Class 54 Rating, Add</i>	5,650.39	
<i>For Class 55 Rating, Add</i>	8,416.24	
<i>For Class 56 Rating, Add</i>	11,144.63	
40 05 19 00-1536 EA 42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,005.15	1,715.75
<i>For Class 52 Rating, Deduct</i>	-4,224.61	
<i>For Class 54 Rating, Add</i>	5,792.03	
<i>For Class 55 Rating, Add</i>	8,626.83	
<i>For Class 56 Rating, Add</i>	11,423.22	
40 05 19 00-1537 EA 42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,939.67	1,718.23
<i>For Class 52 Rating, Deduct</i>	-4,326.99	
<i>For Class 54 Rating, Add</i>	5,931.68	
<i>For Class 55 Rating, Add</i>	8,834.47	
<i>For Class 56 Rating, Add</i>	11,697.93	
40 05 19 00-1538 EA 42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,887.35	1,720.71
<i>For Class 52 Rating, Deduct</i>	-4,430.82	
<i>For Class 54 Rating, Add</i>	6,073.32	
<i>For Class 55 Rating, Add</i>	9,045.06	
<i>For Class 56 Rating, Add</i>	11,976.52	
40 05 19 00-1539 EA 42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,823.74	1,723.20
<i>For Class 52 Rating, Deduct</i>	-4,533.41	
<i>For Class 54 Rating, Add</i>	6,213.26	
<i>For Class 55 Rating, Add</i>	9,253.13	
<i>For Class 56 Rating, Add</i>	12,251.78	
40 05 19 00-1540 EA 42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,769.55	1,725.67
<i>For Class 52 Rating, Deduct</i>	-4,637.04	
<i>For Class 54 Rating, Add</i>	6,354.61	
<i>For Class 55 Rating, Add</i>	9,463.29	
<i>For Class 56 Rating, Add</i>	12,529.82	
<b>40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b>		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1542 EA 48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,821.22	2,053.42
<i>For Class 52 Rating, Deduct</i>	-1,068.10	
<i>For Class 54 Rating, Add</i>	1,493.83	
<i>For Class 55 Rating, Add</i>	2,239.99	
<i>For Class 56 Rating, Add</i>	2,976.45	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1543	EA		48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,199.51	2,055.91
			<i>For Class 52 Rating, Deduct</i>	-1,219.29	
			<i>For Class 54 Rating, Add</i>	1,700.05	
			<i>For Class 55 Rating, Add</i>	2,546.60	
			<i>For Class 56 Rating, Add</i>	3,382.07	
40 05 19 00-1544	EA		48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,575.90	2,058.39
			<i>For Class 52 Rating, Deduct</i>	-1,370.28	
			<i>For Class 54 Rating, Add</i>	1,905.99	
			<i>For Class 55 Rating, Add</i>	2,852.79	
			<i>For Class 56 Rating, Add</i>	3,787.13	
40 05 19 00-1545	EA		48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,963.58	2,060.88
			<i>For Class 52 Rating, Deduct</i>	-1,522.51	
			<i>For Class 54 Rating, Add</i>	2,113.63	
			<i>For Class 55 Rating, Add</i>	3,161.49	
			<i>For Class 56 Rating, Add</i>	4,195.52	
40 05 19 00-1546	EA		48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,341.86	2,063.35
			<i>For Class 52 Rating, Deduct</i>	-1,673.71	
			<i>For Class 54 Rating, Add</i>	2,319.85	
			<i>For Class 55 Rating, Add</i>	3,468.10	
			<i>For Class 56 Rating, Add</i>	4,601.13	
40 05 19 00-1547	EA		48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,720.13	2,065.84
			<i>For Class 52 Rating, Deduct</i>	-1,824.91	
			<i>For Class 54 Rating, Add</i>	2,526.07	
			<i>For Class 55 Rating, Add</i>	3,774.71	
			<i>For Class 56 Rating, Add</i>	5,006.75	
40 05 19 00-1548	EA		48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,105.93	2,068.33
			<i>For Class 52 Rating, Deduct</i>	-1,976.93	
			<i>For Class 54 Rating, Add</i>	2,733.42	
			<i>For Class 55 Rating, Add</i>	4,082.99	
			<i>For Class 56 Rating, Add</i>	5,414.59	
40 05 19 00-1549	EA		48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,486.08	2,070.80
			<i>For Class 52 Rating, Deduct</i>	-2,128.33	
			<i>For Class 54 Rating, Add</i>	2,939.92	
			<i>For Class 55 Rating, Add</i>	4,390.02	
			<i>For Class 56 Rating, Add</i>	5,820.76	
40 05 19 00-1550	EA		48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,862.48	2,073.29
			<i>For Class 52 Rating, Deduct</i>	-2,279.32	
			<i>For Class 54 Rating, Add</i>	3,145.87	
			<i>For Class 55 Rating, Add</i>	4,696.20	
			<i>For Class 56 Rating, Add</i>	6,225.82	
40 05 19 00-1551	EA		48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,250.15	2,075.78
			<i>For Class 52 Rating, Deduct</i>	-2,431.55	
			<i>For Class 54 Rating, Add</i>	3,353.50	
			<i>For Class 55 Rating, Add</i>	5,004.91	
			<i>For Class 56 Rating, Add</i>	6,634.21	
40 05 19 00-1552	EA		48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,628.44	2,078.26
			<i>For Class 52 Rating, Deduct</i>	-2,562.75	
			<i>For Class 54 Rating, Add</i>	3,559.72	
			<i>For Class 55 Rating, Add</i>	5,311.52	
			<i>For Class 56 Rating, Add</i>	7,039.83	
40 05 19 00-1553	EA		48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,016.11	2,080.74
			<i>For Class 52 Rating, Deduct</i>	-2,734.98	
			<i>For Class 54 Rating, Add</i>	3,767.35	
			<i>For Class 55 Rating, Add</i>	5,620.22	
			<i>For Class 56 Rating, Add</i>	7,448.22	
40 05 19 00-1554	EA		48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,392.50	2,083.22
			<i>For Class 52 Rating, Deduct</i>	-2,885.97	
			<i>For Class 54 Rating, Add</i>	3,973.29	
			<i>For Class 55 Rating, Add</i>	5,926.40	
			<i>For Class 56 Rating, Add</i>	7,853.28	
40 05 19 00-1555	EA		48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,770.78	2,085.71
			<i>For Class 52 Rating, Deduct</i>	-3,037.17	
			<i>For Class 54 Rating, Add</i>	4,179.51	
			<i>For Class 55 Rating, Add</i>	6,233.01	
			<i>For Class 56 Rating, Add</i>	8,258.90	
40 05 19 00-1556	EA		48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,158.46	2,088.20
			<i>For Class 52 Rating, Deduct</i>	-3,189.40	
			<i>For Class 54 Rating, Add</i>	4,387.15	
			<i>For Class 55 Rating, Add</i>	6,541.71	
			<i>For Class 56 Rating, Add</i>	8,667.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1557 EA 48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,536.74	2,090.67
<i>For Class 52 Rating, Deduct</i>	-3,340.60	
<i>For Class 54 Rating, Add</i>	4,593.37	
<i>For Class 55 Rating, Add</i>	6,848.32	
<i>For Class 56 Rating, Add</i>	9,072.91	
40 05 19 00-1558 EA 48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,913.12	2,093.16
<i>For Class 52 Rating, Deduct</i>	-3,491.58	
<i>For Class 54 Rating, Add</i>	4,799.31	
<i>For Class 55 Rating, Add</i>	7,154.51	
<i>For Class 56 Rating, Add</i>	9,477.97	
40 05 19 00-1559 EA 48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,300.81	2,095.65
<i>For Class 52 Rating, Deduct</i>	-3,643.82	
<i>For Class 54 Rating, Add</i>	5,006.94	
<i>For Class 55 Rating, Add</i>	7,463.21	
<i>For Class 56 Rating, Add</i>	9,886.36	
40 05 19 00-1560 EA 48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,679.08	2,098.12
<i>For Class 52 Rating, Deduct</i>	-3,795.01	
<i>For Class 54 Rating, Add</i>	5,213.16	
<i>For Class 55 Rating, Add</i>	7,769.82	
<i>For Class 56 Rating, Add</i>	10,291.98	
40 05 19 00-1561 EA 48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,055.47	2,100.60
<i>For Class 52 Rating, Deduct</i>	-3,946.00	
<i>For Class 54 Rating, Add</i>	5,419.10	
<i>For Class 55 Rating, Add</i>	8,076.01	
<i>For Class 56 Rating, Add</i>	10,697.04	
40 05 19 00-1562 EA 48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,443.16	2,103.09
<i>For Class 52 Rating, Deduct</i>	-4,098.23	
<i>For Class 54 Rating, Add</i>	5,626.74	
<i>For Class 55 Rating, Add</i>	8,384.71	
<i>For Class 56 Rating, Add</i>	11,105.43	
40 05 19 00-1563 EA 48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,823.31	2,105.57
<i>For Class 52 Rating, Deduct</i>	-4,249.64	
<i>For Class 54 Rating, Add</i>	5,833.24	
<i>For Class 55 Rating, Add</i>	8,691.74	
<i>For Class 56 Rating, Add</i>	11,511.60	
40 05 19 00-1564 EA 48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,199.71	2,108.05
<i>For Class 52 Rating, Deduct</i>	-4,400.63	
<i>For Class 54 Rating, Add</i>	6,039.18	
<i>For Class 55 Rating, Add</i>	8,997.93	
<i>For Class 56 Rating, Add</i>	11,916.66	
40 05 19 00-1565 EA 48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,587.39	2,110.53
<i>For Class 52 Rating, Deduct</i>	-4,552.86	
<i>For Class 54 Rating, Add</i>	6,246.81	
<i>For Class 55 Rating, Add</i>	9,306.63	
<i>For Class 56 Rating, Add</i>	12,325.05	
40 05 19 00-1566 EA 48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,965.66	2,113.02
<i>For Class 52 Rating, Deduct</i>	-4,704.05	
<i>For Class 54 Rating, Add</i>	6,453.04	
<i>For Class 55 Rating, Add</i>	9,613.24	
<i>For Class 56 Rating, Add</i>	12,730.67	
40 05 19 00-1567 EA 48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,342.05	2,115.50
<i>For Class 52 Rating, Deduct</i>	-4,855.04	
<i>For Class 54 Rating, Add</i>	6,658.98	
<i>For Class 55 Rating, Add</i>	9,919.42	
<i>For Class 56 Rating, Add</i>	13,135.73	
40 05 19 00-1568 EA 48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,729.74	2,117.98
<i>For Class 52 Rating, Deduct</i>	-5,007.27	
<i>For Class 54 Rating, Add</i>	6,866.61	
<i>For Class 55 Rating, Add</i>	10,228.13	
<i>For Class 56 Rating, Add</i>	13,544.12	
40 05 19 00-1569 EA 48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,108.01	2,120.47
<i>For Class 52 Rating, Deduct</i>	-5,158.47	
<i>For Class 54 Rating, Add</i>	7,072.83	
<i>For Class 55 Rating, Add</i>	10,534.73	
<i>For Class 56 Rating, Add</i>	13,949.74	
40 05 19 00-1570 EA 48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,317.06	2,122.96
<i>For Class 52 Rating, Deduct</i>	-5,291.05	
<i>For Class 54 Rating, Add</i>	7,253.67	
<i>For Class 55 Rating, Add</i>	10,803.60	
<i>For Class 56 Rating, Add</i>	14,305.44	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1571	EA		48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	52,873.97	2,125.43
			<i>For Class 52 Rating, Deduct</i> .....	-5,461.90	
			<i>For Class 54 Rating, Add</i> .....	7,486.69	
			<i>For Class 55 Rating, Add</i> .....	11,150.04	
			<i>For Class 56 Rating, Add</i> .....	14,763.75	
40 05 19 00-1572	EA		48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	54,250.36	2,127.92
			<i>For Class 52 Rating, Deduct</i> .....	-5,612.89	
			<i>For Class 54 Rating, Add</i> .....	7,692.63	
			<i>For Class 55 Rating, Add</i> .....	11,456.23	
			<i>For Class 56 Rating, Add</i> .....	15,168.81	
40 05 19 00-1573	EA		48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	55,639.92	2,130.40
			<i>For Class 52 Rating, Deduct</i> .....	-5,765.32	
			<i>For Class 54 Rating, Add</i> .....	7,900.54	
			<i>For Class 55 Rating, Add</i> .....	11,765.35	
			<i>For Class 56 Rating, Add</i> .....	15,577.76	
40 05 19 00-1574	EA		48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	57,016.32	2,132.88
			<i>For Class 52 Rating, Deduct</i> .....	-5,916.31	
			<i>For Class 54 Rating, Add</i> .....	8,106.48	
			<i>For Class 55 Rating, Add</i> .....	12,071.54	
			<i>For Class 56 Rating, Add</i> .....	15,982.82	
40 05 19 00-1575	EA		48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	58,392.71	2,135.37
			<i>For Class 52 Rating, Deduct</i> .....	-6,067.30	
			<i>For Class 54 Rating, Add</i> .....	8,312.42	
			<i>For Class 55 Rating, Add</i> .....	12,377.73	
			<i>For Class 56 Rating, Add</i> .....	16,387.88	
40 05 19 00-1576	EA		48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	59,782.26	2,137.85
			<i>For Class 52 Rating, Deduct</i> .....	-6,219.74	
			<i>For Class 54 Rating, Add</i> .....	8,520.33	
			<i>For Class 55 Rating, Add</i> .....	12,686.85	
			<i>For Class 56 Rating, Add</i> .....	16,796.82	
40 05 19 00-1577	EA		48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	61,158.67	2,140.34
			<i>For Class 52 Rating, Deduct</i> .....	-6,370.73	
			<i>For Class 54 Rating, Add</i> .....	8,726.28	
			<i>For Class 55 Rating, Add</i> .....	12,993.04	
			<i>For Class 56 Rating, Add</i> .....	17,201.89	
40 05 19 00-1578	EA		48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	62,536.94	2,142.81
			<i>For Class 52 Rating, Deduct</i> .....	-6,521.93	
			<i>For Class 54 Rating, Add</i> .....	8,932.50	
			<i>For Class 55 Rating, Add</i> .....	13,299.65	
			<i>For Class 56 Rating, Add</i> .....	17,607.50	
40 05 19 00-1579	EA		48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	63,924.62	2,145.30
			<i>For Class 52 Rating, Deduct</i> .....	-6,674.16	
			<i>For Class 54 Rating, Add</i> .....	9,140.13	
			<i>For Class 55 Rating, Add</i> .....	13,608.35	
			<i>For Class 56 Rating, Add</i> .....	18,015.90	
<b>40 05 19 00-1580</b>			<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows</b> <small>(40 05 19 00-0001)</small>		
40 05 19 00-1581	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	374.33	119.79
40 05 19 00-1582	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	530.48	153.19
40 05 19 00-1583	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	754.11	173.52
40 05 19 00-1584	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	1,113.03	219.99
40 05 19 00-1585	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	1,385.78	243.95
40 05 19 00-1586	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	1,738.59	265.00
40 05 19 00-1587	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	2,141.71	326.71
40 05 19 00-1588	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	2,820.58	392.05
40 05 19 00-1589	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	3,471.42	493.69
40 05 19 00-1590	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	5,336.75	559.03
40 05 19 00-1591	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	9,033.25	740.54
40 05 19 00-1592	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	12,866.43	838.55
40 05 19 00-1593	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	21,678.36	958.34
40 05 19 00-1594	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	28,893.57	1,176.15
<b>40 05 19 00-1595</b>			<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows</b> <small>(40 05 19 00-0001)</small>		
40 05 19 00-1596	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	353.22	119.79
40 05 19 00-1597	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	496.70	153.19
40 05 19 00-1598	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	668.25	173.52
40 05 19 00-1599	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	989.18	219.99
40 05 19 00-1600	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,228.15	243.95
40 05 19 00-1601	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,417.69	265.00
40 05 19 00-1602	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,787.04	326.71
40 05 19 00-1603	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	2,343.46	392.05



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1604	EA			20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	3,036.52	493.69
40 05 19 00-1605	EA			24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	4,025.02	559.03
40 05 19 00-1606	EA			30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	8,073.38	740.54
40 05 19 00-1607	EA			36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	12,165.52	838.55
40 05 19 00-1608	EA			42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	18,665.03	958.34
40 05 19 00-1609	EA			48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	25,484.75	1,176.15
<b>40 05 19 00-1610</b>				<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows</b> <small>(40 05 19 00-0001)</small>		
40 05 19 00-1611	EA			4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	351.81	119.79
40 05 19 00-1612	EA			6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	485.44	153.19
40 05 19 00-1613	EA			8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	658.40	173.52
40 05 19 00-1614	EA			10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	961.03	219.99
40 05 19 00-1615	EA			12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	1,290.08	243.95
40 05 19 00-1616	EA			14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	1,613.33	265.00
40 05 19 00-1617	EA			16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	1,830.67	326.71
40 05 19 00-1618	EA			18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	2,396.94	392.05
40 05 19 00-1619	EA			20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	3,268.74	493.69
40 05 19 00-1620	EA			24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	4,554.22	559.03
40 05 19 00-1621	EA			30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	8,167.67	740.54
40 05 19 00-1622	EA			36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	12,382.27	838.55
40 05 19 00-1623	EA			42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	19,097.12	958.34
40 05 19 00-1624	EA			48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	26,047.72	1,176.15
<b>40 05 19 00-1625</b>				<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows</b> <small>(40 05 19 00-0001)</small>		
40 05 19 00-1626	EA			4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	387.00	119.79
40 05 19 00-1627	EA			6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	551.59	153.19
40 05 19 00-1628	EA			8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	686.55	173.52
40 05 19 00-1629	EA			10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	1,060.96	219.99
40 05 19 00-1630	EA			12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	1,474.45	243.95
40 05 19 00-1631	EA			14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	1,661.18	265.00
40 05 19 00-1632	EA			16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	2,030.53	326.71
40 05 19 00-1633	EA			18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	2,396.94	392.05
40 05 19 00-1634	EA			20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	3,268.74	493.69
40 05 19 00-1635	EA			24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	4,744.22	559.03
40 05 19 00-1636	EA			30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	8,261.97	740.54
40 05 19 00-1637	EA			36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	12,475.16	838.55
40 05 19 00-1638	EA			42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	19,195.64	958.34
40 05 19 00-1639	EA			48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	26,246.17	1,176.15
<b>40 05 19 00-1640</b>				<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows</b> <small>(40 05 19 00-0001)</small>		
40 05 19 00-1641	EA			6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	503.77	136.50
40 05 19 00-1642	EA			8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	627.54	146.66
40 05 19 00-1643	EA			8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	707.74	163.35
40 05 19 00-1644	EA			10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	958.31	169.89
40 05 19 00-1645	EA			10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,010.36	186.58
40 05 19 00-1646	EA			10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,105.98	196.75
40 05 19 00-1647	EA			12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,030.49	182.23
40 05 19 00-1648	EA			12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,162.76	198.92
40 05 19 00-1649	EA			12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,341.43	209.10
40 05 19 00-1650	EA			12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,427.29	232.33
40 05 19 00-1651	EA			14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,341.43	209.10
40 05 19 00-1652	EA			14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,489.13	219.26
40 05 19 00-1653	EA			14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,659.44	242.49
40 05 19 00-1654	EA			14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,840.00	254.83
40 05 19 00-1655	EA			16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,547.22	239.95
40 05 19 00-1656	EA			16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,670.99	250.11
40 05 19 00-1657	EA			16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,921.53	273.34
40 05 19 00-1658	EA			16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,100.13	285.32
40 05 19 00-1659	EA			16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,251.19	295.85
40 05 19 00-1660	EA			18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,812.06	272.62
40 05 19 00-1661	EA			18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,177.91	282.78
40 05 19 00-1662	EA			18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,239.85	306.02
40 05 19 00-1663	EA			18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,366.38	318.00
40 05 19 00-1664	EA			18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,570.92	328.53
40 05 19 00-1665	EA			18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,803.46	359.38
40 05 19 00-1666	EA			20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,345.07	323.44
40 05 19 00-1667	EA			20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,505.44	333.60
40 05 19 00-1668	EA			20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,119.10	356.84
40 05 19 00-1669	EA			20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,273.17	368.81
40 05 19 00-1670	EA			20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,576.84	379.34
40 05 19 00-1671	EA			20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,489.87	410.20
40 05 19 00-1672	EA			20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,713.91	442.87
40 05 19 00-1673	EA			24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,320.67	356.11
40 05 19 00-1674	EA			24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,482.44	366.28

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-1675	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,748.46	389.51
40 05 19 00-1676	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,941.14	401.49
40 05 19 00-1677	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	4,304.72	412.02
40 05 19 00-1678	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	4,640.00	442.87
40 05 19 00-1679	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	4,747.21	475.54
40 05 19 00-1680	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	4,999.61	470.28
40 05 19 00-1681	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	5,958.98	492.24
40 05 19 00-1682	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	6,347.90	502.77
40 05 19 00-1683	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	7,163.11	533.63
40 05 19 00-1684	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	8,338.56	566.30
40 05 19 00-1685	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	9,649.89	617.12
40 05 19 00-1686	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	10,192.00	649.79
40 05 19 00-1687	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	8,238.69	541.25
40 05 19 00-1688	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	10,703.58	551.77
40 05 19 00-1689	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	8,674.37	582.64
40 05 19 00-1690	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	11,358.59	615.30
40 05 19 00-1691	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	10,848.69	666.13
40 05 19 00-1692	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	11,834.14	698.79
40 05 19 00-1693	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	12,616.25	789.54
40 05 19 00-1694	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	14,650.73	611.67
40 05 19 00-1695	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	12,328.75	642.53
40 05 19 00-1696	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	16,647.02	675.20
40 05 19 00-1697	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	16,367.94	726.02
40 05 19 00-1698	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	14,259.83	758.69
40 05 19 00-1699	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	16,812.50	849.44
40 05 19 00-1700	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	23,805.74	898.45
40 05 19 00-1701	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	22,780.48	876.67
40 05 19 00-1702	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	24,771.59	967.42
40 05 19 00-1703	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	25,493.26	1,016.42
40 05 19 00-1704	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	32,647.95	1,076.32

#### 40 05 19 00-1705 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows (40 05 19 00-0001)

40 05 19 00-1706	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	451.74	119.79
40 05 19 00-1707	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	703.59	153.19
40 05 19 00-1708	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	1,044.04	173.52
40 05 19 00-1709	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	1,490.23	219.99
40 05 19 00-1710	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	2,119.06	243.95
40 05 19 00-1711	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	2,474.68	265.00
40 05 19 00-1712	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	3,214.18	326.71
40 05 19 00-1713	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	3,984.53	392.05
40 05 19 00-1714	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	5,441.83	493.69
40 05 19 00-1715	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	8,030.59	559.03
40 05 19 00-1716	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	14,188.70	740.54
40 05 19 00-1717	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	21,661.52	838.55
40 05 19 00-1718	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	33,662.71	958.34

#### 40 05 19 00-1719 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base (40 05 19 00-0001)

40 05 19 00-1720	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	478.48	119.79
40 05 19 00-1721	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	651.52	153.19
40 05 19 00-1722	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	1,080.63	173.52
40 05 19 00-1723	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	1,463.48	219.99
40 05 19 00-1724	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	1,976.91	243.95
40 05 19 00-1725	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	2,339.56	265.00
40 05 19 00-1726	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	2,890.47	326.71
40 05 19 00-1727	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	3,635.49	392.05
40 05 19 00-1728	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	4,802.85	493.69
40 05 19 00-1729	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	6,814.57	559.03
40 05 19 00-1730	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	11,209.15	740.54
40 05 19 00-1731	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	16,075.39	838.55
40 05 19 00-1732	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	29,986.48	958.34
40 05 19 00-1733	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	32,303.79	1,176.15

#### 40 05 19 00-1734 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees (40 05 19 00-0001)

40 05 19 00-1735	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	643.37	192.40
40 05 19 00-1736	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	797.73	236.68
40 05 19 00-1737	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	1,133.69	264.27
40 05 19 00-1738	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	1,635.00	343.40
40 05 19 00-1739	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	2,188.98	374.63
40 05 19 00-1740	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	2,951.08	402.94
40 05 19 00-1741	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	3,332.97	508.22
40 05 19 00-1742	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	4,072.09	580.82
40 05 19 00-1743	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	5,136.31	733.28
40 05 19 00-1744	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	7,619.12	809.51
40 05 19 00-1745	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	13,019.71	1,118.07
40 05 19 00-1746	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	18,833.64	1,281.42





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1747 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	39,187.94	1,481.08
<b>40 05 19 00-1748 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees</b> <small>(40 05 19 00-0001)</small>		
40 05 19 00-1749 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	811.18	214.90
40 05 19 00-1750 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,013.41	219.26
40 05 19 00-1751 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,007.36	246.84
40 05 19 00-1752 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,345.58	242.49
40 05 19 00-1753 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,322.64	270.08
40 05 19 00-1754 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,394.08	287.50
40 05 19 00-1755 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,716.14	254.83
40 05 19 00-1756 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,705.88	282.42
40 05 19 00-1757 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,801.24	299.85
40 05 19 00-1758 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,146.31	355.75
40 05 19 00-1759 EA 14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,522.53	265.00
40 05 19 00-1760 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,461.58	292.59
40 05 19 00-1761 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,569.61	310.01
40 05 19 00-1762 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,706.40	365.92
40 05 19 00-1763 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,870.66	385.15
40 05 19 00-1764 EA 16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,064.69	295.85
40 05 19 00-1765 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,813.74	323.44
40 05 19 00-1766 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,764.14	340.87
40 05 19 00-1767 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,244.34	396.77
40 05 19 00-1768 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,142.59	416.01
40 05 19 00-1769 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,510.15	433.80
40 05 19 00-1770 EA 18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,754.58	328.53
40 05 19 00-1771 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,808.36	356.11
40 05 19 00-1772 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,393.52	373.54
40 05 19 00-1773 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,395.17	429.44
40 05 19 00-1774 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,698.78	448.68
40 05 19 00-1775 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,042.40	466.47
40 05 19 00-1776 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,317.01	540.88
40 05 19 00-1777 EA 20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,366.36	379.34
40 05 19 00-1778 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,152.05	406.93
40 05 19 00-1779 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,236.15	424.36
40 05 19 00-1780 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,408.13	480.26
40 05 19 00-1781 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,580.83	499.50
40 05 19 00-1782 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,637.34	517.29
40 05 19 00-1783 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,590.34	591.71
40 05 19 00-1784 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,708.55	631.63
40 05 19 00-1785 EA 24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,520.74	412.02
40 05 19 00-1786 EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,751.87	439.60
40 05 19 00-1787 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,968.27	457.03
40 05 19 00-1788 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,158.53	512.93
40 05 19 00-1789 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,790.06	532.17
40 05 19 00-1790 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,932.43	549.96
40 05 19 00-1791 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,121.18	624.38
40 05 19 00-1792 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,074.68	664.31
40 05 19 00-1793 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,347.80	709.87
40 05 19 00-1794 EA 30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,836.52	530.36
40 05 19 00-1795 EA 30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,892.49	547.78
40 05 19 00-1796 EA 30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,164.37	603.69
40 05 19 00-1797 EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,193.52	622.92
40 05 19 00-1798 EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,220.48	640.71
40 05 19 00-1799 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,426.12	715.12
40 05 19 00-1800 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,548.54	755.06
40 05 19 00-1801 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,855.95	856.71
40 05 19 00-1802 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,933.89	900.26
40 05 19 00-1803 EA 36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,563.70	759.05
40 05 19 00-1804 EA 36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,517.73	772.85
40 05 19 00-1805 EA 36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,608.66	812.41
40 05 19 00-1806 EA 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,725.20	828.02
40 05 19 00-1807 EA 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,777.61	842.18
40 05 19 00-1808 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,919.28	894.82
40 05 19 00-1809 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,005.24	931.11
40 05 19 00-1810 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,244.61	1,007.35
40 05 19 00-1811 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,582.44	1,045.47
40 05 19 00-1812 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	20,438.23	1,199.74
40 05 19 00-1813 EA 42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	24,393.66	656.68
40 05 19 00-1814 EA 42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,035.05	712.59
40 05 19 00-1815 EA 42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,064.20	731.83
40 05 19 00-1816 EA 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,123.53	749.62
40 05 19 00-1817 EA 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,302.40	824.03
40 05 19 00-1818 EA 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,529.00	863.96
40 05 19 00-1819 EA 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,683.01	965.61
40 05 19 00-1820 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,013.61	1,009.17
40 05 19 00-1821 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	29,169.02	1,226.97
40 05 19 00-1822 EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	37,519.49	1,341.32
40 05 19 00-1823 EA 48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	29,857.20	849.80
40 05 19 00-1824 EA 48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	29,884.15	867.59
40 05 19 00-1825 EA 48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	30,095.43	942.01

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1826 EA 48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	30,155.94	981.94
40 05 19 00-1827 EA 48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	30,440.84	1,083.59
40 05 19 00-1828 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	30,739.05	1,127.14
40 05 19 00-1829 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	31,533.53	1,344.95
<b>40 05 19 00-1830 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base</b> <small>(40 05 19 00-0001)</small>		
40 05 19 00-1831 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	696.85	192.40
40 05 19 00-1832 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	951.14	236.68
40 05 19 00-1833 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,398.29	264.27
40 05 19 00-1834 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	2,134.64	343.40
40 05 19 00-1835 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	2,881.44	374.63
40 05 19 00-1836 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	3,221.31	402.94
40 05 19 00-1837 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	3,997.28	508.22
40 05 19 00-1838 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	4,861.67	580.82
40 05 19 00-1839 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	6,498.71	733.28
40 05 19 00-1840 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	9,395.31	809.51
40 05 19 00-1841 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	15,785.33	1,118.07
40 05 19 00-1842 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	22,547.88	1,281.42
<b>40 05 19 00-1843 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes</b> <small>(40 05 19 00-0001)</small>		
40 05 19 00-1844 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	561.74	192.40
40 05 19 00-1845 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	790.69	236.68
40 05 19 00-1846 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,154.80	264.27
40 05 19 00-1847 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,518.19	343.40
40 05 19 00-1848 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	2,181.94	374.63
40 05 19 00-1849 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	2,844.12	402.94
<b>40 05 19 00-1850 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses</b> <small>(40 05 19 00-0001)</small>		
40 05 19 00-1851 EA 4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	771.68	265.00
40 05 19 00-1852 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,027.59	287.14
40 05 19 00-1853 EA 6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,086.09	320.17
40 05 19 00-1854 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,276.82	291.86
40 05 19 00-1855 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,390.02	330.33
40 05 19 00-1856 EA 8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,437.26	355.02
40 05 19 00-1857 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,661.07	315.09
40 05 19 00-1858 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,827.75	353.58
40 05 19 00-1859 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,000.26	378.26
40 05 19 00-1860 EA 10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,483.51	466.83
40 05 19 00-1861 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,163.39	327.07
40 05 19 00-1862 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,275.16	365.55
40 05 19 00-1863 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,449.09	390.24
40 05 19 00-1864 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,959.08	478.81
40 05 19 00-1865 EA 12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,778.26	505.31
40 05 19 00-1866 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,721.80	376.08
40 05 19 00-1867 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,894.31	400.77
40 05 19 00-1868 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,217.11	489.33
40 05 19 00-1869 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,500.74	515.84
40 05 19 00-1870 EA 14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,672.40	540.88
40 05 19 00-1871 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,254.10	406.93
40 05 19 00-1872 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,451.96	431.62
40 05 19 00-1873 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,774.76	520.20
40 05 19 00-1874 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,085.14	546.69
40 05 19 00-1875 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,726.17	571.74
40 05 19 00-1876 EA 16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,624.14	689.72
40 05 19 00-1877 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,385.24	439.60
40 05 19 00-1878 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,581.68	464.29
40 05 19 00-1879 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,851.00	552.86
40 05 19 00-1880 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,159.98	579.37
40 05 19 00-1881 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,789.04	604.41
40 05 19 00-1882 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,211.29	722.39
40 05 19 00-1883 EA 18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,444.65	769.58
40 05 19 00-1884 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,423.53	490.42
40 05 19 00-1885 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,634.04	515.11
40 05 19 00-1886 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,883.65	603.69
40 05 19 00-1887 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,213.73	630.19
40 05 19 00-1888 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,309.40	655.23
40 05 19 00-1889 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,473.36	773.21
40 05 19 00-1890 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,717.97	820.40
40 05 19 00-1891 EA 20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,355.73	972.87
40 05 19 00-1892 EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,863.58	523.09
40 05 19 00-1893 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,014.99	547.78
40 05 19 00-1894 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,351.86	636.36
40 05 19 00-1895 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,566.53	662.86
40 05 19 00-1896 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,691.74	687.91
40 05 19 00-1897 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,073.17	805.88
40 05 19 00-1898 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,202.35	853.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1899 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,722.75	949.45
40 05 19 00-1900 EA 24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	10,702.32	1,059.99
40 05 19 00-1901 EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	10,857.38	753.60
40 05 19 00-1902 EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	10,926.30	778.65
40 05 19 00-1903 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	11,321.80	896.63
40 05 19 00-1904 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	11,455.24	943.82
40 05 19 00-1905 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	12,028.24	1,096.29
40 05 19 00-1906 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	15,680.02	1,150.74
40 05 19 00-1907 EA 30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,783.09	1,495.60
40 05 19 00-1908 EA 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	15,355.28	958.71
40 05 19 00-1909 EA 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	15,387.72	980.12
40 05 19 00-1910 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	15,722.08	1,076.32
40 05 19 00-1911 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	15,848.60	1,119.89
40 05 19 00-1912 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	16,321.19	1,246.94
40 05 19 00-1913 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	16,892.27	1,295.94
40 05 19 00-1914 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	22,872.28	1,577.28
40 05 19 00-1915 EA 36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	25,080.94	1,724.29
40 05 19 00-1916 EA 42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	22,759.03	862.51
40 05 19 00-1917 EA 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	22,796.99	887.56
40 05 19 00-1918 EA 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	23,174.19	1,005.53
40 05 19 00-1919 EA 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	23,278.06	1,052.72
40 05 19 00-1920 EA 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	23,807.45	1,205.19
40 05 19 00-1921 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	24,386.77	1,259.64
40 05 19 00-1922 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	31,396.19	1,604.50
40 05 19 00-1923 EA 42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	43,454.34	1,784.19
40 05 19 00-1924 EA 48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	32,101.12	2,003.81
40 05 19 00-1925 EA 48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	30,554.80	1,005.53
40 05 19 00-1926 EA 48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	30,933.42	1,123.51
40 05 19 00-1927 EA 48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	31,037.29	1,170.71
40 05 19 00-1928 EA 48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	31,532.89	1,323.17
40 05 19 00-1929 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	32,112.22	1,377.62
40 05 19 00-1930 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	33,528.45	1,722.48

**40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers** (40 05 19 00-0001)

40 05 19 00-1932 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	412.29	136.50
40 05 19 00-1933 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	530.43	146.66
40 05 19 00-1934 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	583.89	163.35
40 05 19 00-1935 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	717.63	169.89
40 05 19 00-1936 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	721.83	186.58
40 05 19 00-1937 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	847.01	196.75
40 05 19 00-1938 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	922.12	182.23
40 05 19 00-1939 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	951.65	198.92
40 05 19 00-1940 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,044.46	209.10
40 05 19 00-1941 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,175.36	232.33
40 05 19 00-1942 EA 14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,455.51	198.92
40 05 19 00-1943 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,151.42	209.10
40 05 19 00-1944 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,275.19	219.26
40 05 19 00-1945 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,401.88	242.49
40 05 19 00-1946 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,360.06	254.83
40 05 19 00-1947 EA 16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,724.59	223.25
40 05 19 00-1948 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,388.18	239.95
40 05 19 00-1949 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,307.87	250.11
40 05 19 00-1950 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,458.48	273.34
40 05 19 00-1951 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,815.82	285.32
40 05 19 00-1952 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,955.63	295.85
40 05 19 00-1953 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,183.62	272.62
40 05 19 00-1954 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,720.49	282.78
40 05 19 00-1955 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,890.80	306.02
40 05 19 00-1956 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,876.59	318.00
40 05 19 00-1957 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,165.58	328.53
40 05 19 00-1958 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,157.45	359.38
40 05 19 00-1959 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,228.25	323.44
40 05 19 00-1960 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,157.80	333.60
40 05 19 00-1961 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,337.97	356.84
40 05 19 00-1962 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,275.89	368.81
40 05 19 00-1963 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,633.85	379.34
40 05 19 00-1964 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,463.85	410.20
40 05 19 00-1965 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,048.19	442.87
40 05 19 00-1966 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,930.72	366.28
40 05 19 00-1967 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,313.56	389.51
40 05 19 00-1968 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,566.76	401.49
40 05 19 00-1969 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,661.52	412.02
40 05 19 00-1970 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,228.34	442.87
40 05 19 00-1971 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,906.96	475.54
40 05 19 00-1972 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	4,131.22	470.28
40 05 19 00-1973 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	5,650.11	533.63
40 05 19 00-1974 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	5,886.80	566.30
40 05 19 00-1975 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	6,336.77	617.12
40 05 19 00-1976 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	7,006.97	649.79

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-1977	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	7,742.64	582.64
40 05 19 00-1978	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	8,132.73	615.30
40 05 19 00-1979	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	8,644.64	666.13
40 05 19 00-1980	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	9,409.12	698.79
40 05 19 00-1981	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	10,849.91	789.54
40 05 19 00-1982	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	13,200.03	758.69
40 05 19 00-1983	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	14,925.12	849.44
40 05 19 00-1984	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	16,886.76	898.45
40 05 19 00-1985	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	16,787.60	876.67
40 05 19 00-1986	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	18,844.86	967.42
40 05 19 00-1987	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	21,071.08	1,016.42
40 05 19 00-1988	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	23,612.19	1,076.32

#### 40 05 19 00-1989 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers (40 05 19 00-0001)

40 05 19 00-1990	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	450.29	136.50
40 05 19 00-1991	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	574.06	146.66
40 05 19 00-1992	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	652.85	163.35
40 05 19 00-1993	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	717.63	169.89
40 05 19 00-1994	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	768.28	186.58
40 05 19 00-1995	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	890.64	196.75
40 05 19 00-1996	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	922.12	182.23
40 05 19 00-1997	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,002.32	198.92
40 05 19 00-1998	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,097.94	209.10
40 05 19 00-1999	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,268.25	232.33
40 05 19 00-2000	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,151.42	209.10
40 05 19 00-2001	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,248.45	219.26
40 05 19 00-2002	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,392.03	242.49
40 05 19 00-2003	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,597.92	254.83
40 05 19 00-2004	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,388.18	239.95
40 05 19 00-2005	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,509.13	250.11
40 05 19 00-2006	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,679.45	273.34
40 05 19 00-2007	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,859.45	285.32
40 05 19 00-2008	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,955.63	295.85
40 05 19 00-2009	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,720.49	282.78
40 05 19 00-2010	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,890.80	306.02
40 05 19 00-2011	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	2,070.82	318.00
40 05 19 00-2012	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	2,165.58	328.53
40 05 19 00-2013	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	2,374.19	359.38
40 05 19 00-2014	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	2,529.44	323.44
40 05 19 00-2015	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	2,302.77	333.60
40 05 19 00-2016	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	2,337.97	356.84
40 05 19 00-2017	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	2,558.78	368.81
40 05 19 00-2018	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	2,633.85	379.34
40 05 19 00-2019	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	2,880.45	410.20
40 05 19 00-2020	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,046.78	442.87
40 05 19 00-2021	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,220.65	366.28
40 05 19 00-2022	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,313.56	389.51
40 05 19 00-2023	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,389.42	401.49
40 05 19 00-2024	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,463.07	412.02
40 05 19 00-2025	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,713.91	442.87
40 05 19 00-2026	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,906.96	475.54
40 05 19 00-2027	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	4,131.22	470.28
40 05 19 00-2028	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	6,784.21	502.77
40 05 19 00-2029	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	6,612.80	533.63
40 05 19 00-2030	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	5,917.77	566.30
40 05 19 00-2031	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	6,336.77	617.12
40 05 19 00-2032	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	7,006.97	649.79
40 05 19 00-2033	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	7,804.57	582.64
40 05 19 00-2034	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	8,132.73	615.30
40 05 19 00-2035	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	8,613.68	666.13
40 05 19 00-2036	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	9,375.34	698.79
40 05 19 00-2037	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	10,818.95	789.54
40 05 19 00-2038	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	13,200.03	758.69
40 05 19 00-2039	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	11,125.04	849.44
40 05 19 00-2040	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	16,886.76	898.45
40 05 19 00-2041	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	18,844.86	967.42
40 05 19 00-2042	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	21,071.08	1,016.42
40 05 19 00-2043	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	23,612.19	1,076.32

#### 40 05 19 00-2044 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges (40 05 19 00-0001)

40 05 19 00-2045	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	160.17	47.19
40 05 19 00-2046	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	240.71	69.70
40 05 19 00-2047	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	352.00	82.77
40 05 19 00-2048	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	486.91	96.56
40 05 19 00-2049	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	630.43	113.26
40 05 19 00-2050	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	837.12	127.05
40 05 19 00-2051	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	1,001.14	145.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2052 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	1,355.15	203.28
40 05 19 00-2053 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	1,802.30	254.11
40 05 19 00-2054 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	2,575.86	308.55
40 05 19 00-2055 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	3,643.70	359.38
40 05 19 00-2056 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	6,547.36	395.68
40 05 19 00-2057 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	9,251.03	435.61
40 05 19 00-2058 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	12,239.90	490.06
<b>40 05 19 00-2059 Ductile Iron Bolt Packs</b> <small>(40 05 19)</small>		
Note: Labor installation is included with pipe fittings or valves.		
40 05 19 00-2060 EA 4" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	29.75	
Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	8.33	
<i>For Hot Dip Galvanized, Add</i>		
	11.90	
40 05 19 00-2061 EA 6" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	45.91	
Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	12.85	
<i>For Hot Dip Galvanized, Add</i>		
	18.36	
40 05 19 00-2062 EA 8" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	49.85	
Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	13.96	
<i>For Hot Dip Galvanized, Add</i>		
	19.94	
40 05 19 00-2063 EA 10" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	111.98	
Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	31.35	
<i>For Hot Dip Galvanized, Add</i>		
	44.79	
40 05 19 00-2064 EA 12" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	112.96	
Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	31.63	
<i>For Hot Dip Galvanized, Add</i>		
	45.18	
40 05 19 00-2065 EA 14" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	126.56	
Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	35.44	
<i>For Hot Dip Galvanized, Add</i>		
	50.62	
40 05 19 00-2066 EA 16" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	212.76	
Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	59.57	
<i>For Hot Dip Galvanized, Add</i>		
	85.10	
40 05 19 00-2067 EA 18" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	309.08	
Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	86.54	
<i>For Hot Dip Galvanized, Add</i>		
	123.63	
40 05 19 00-2068 EA 20" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	390.26	
Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	109.27	
<i>For Hot Dip Galvanized, Add</i>		
	156.10	
40 05 19 00-2069 EA 24" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	558.39	
Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	156.35	
<i>For Hot Dip Galvanized, Add</i>		
	223.36	
40 05 19 00-2070 EA 30" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	882.34	
Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	247.06	
<i>For Hot Dip Galvanized, Add</i>		
	352.94	
40 05 19 00-2071 EA 36" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,258.67	
Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	352.43	
<i>For Hot Dip Galvanized, Add</i>		
	503.47	
40 05 19 00-2072 EA 42" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,619.25	
Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	453.39	
<i>For Hot Dip Galvanized, Add</i>		
	647.70	
40 05 19 00-2073 EA 48" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,979.08	
Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	554.14	
<i>For Hot Dip Galvanized, Add</i>		
	791.63	
<b>40 05 19 00-2074 Full Face Flange Gaskets, ANSI/AWWA C115/A21.15</b> <small>(40 05 19)</small>		
Note: Labor installation is included with pipe fittings or valves.		
<b>40 05 19 00-2075 Full Face Flange Styrene Butadiene (SBR) Gaskets</b> <small>(40 05 19 00-2074)</small>		
40 05 19 00-2076 EA 4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	8.04	
40 05 19 00-2077 EA 6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	10.24	
40 05 19 00-2078 EA 8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	13.89	
40 05 19 00-2079 EA 10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	16.09	
40 05 19 00-2080 EA 12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	17.55	
40 05 19 00-2081 EA 14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	29.25	
40 05 19 00-2082 EA 16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	35.83	
40 05 19 00-2083 EA 18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	38.02	
40 05 19 00-2084 EA 20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	58.50	
40 05 19 00-2085 EA 24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	62.89	
40 05 19 00-2086 EA 30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	81.17	
40 05 19 00-2087 EA 36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	92.87	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2088	EA	42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick		99.45	
40 05 19 00-2089	EA	48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick		108.96	
<b>40 05 19 00-2090</b>		<b>Full Face Flange Nitrile Buna-N (NBR) Gaskets</b> (40 05 19 00-2074)			
Note: (Acrylonitrile Butadiene)					
40 05 19 00-2091	EA	4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		24.86	
40 05 19 00-2092	EA	6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		35.10	
40 05 19 00-2093	EA	8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		54.11	
40 05 19 00-2094	EA	10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		59.23	
40 05 19 00-2095	EA	12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		63.62	
40 05 19 00-2096	EA	14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		119.92	
40 05 19 00-2097	EA	16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		147.71	
40 05 19 00-2098	EA	18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		148.44	
40 05 19 00-2099	EA	20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		154.29	
40 05 19 00-2100	EA	24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		163.07	
40 05 19 00-2101	EA	30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		180.62	
40 05 19 00-2102	EA	36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		198.90	
40 05 19 00-2103	EA	42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		282.99	
40 05 19 00-2104	EA	48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		309.32	
<b>40 05 19 00-2105</b>		<b>Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets</b> (40 05 19 00-2074)			
Note: (Polychloroprene)					
40 05 19 00-2106	EA	4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		21.94	
40 05 19 00-2107	EA	6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		28.52	
40 05 19 00-2108	EA	8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		38.76	
40 05 19 00-2109	EA	10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		45.34	
40 05 19 00-2110	EA	12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		50.46	
40 05 19 00-2111	EA	14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		83.36	
40 05 19 00-2112	EA	16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		100.18	
40 05 19 00-2113	EA	18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		100.91	
40 05 19 00-2114	EA	20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		103.11	
40 05 19 00-2115	EA	24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		119.92	
40 05 19 00-2116	EA	30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		146.98	
40 05 19 00-2117	EA	36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		167.46	
40 05 19 00-2118	EA	42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		239.85	
40 05 19 00-2119	EA	48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		264.71	
<b>40 05 19 00-2120</b>		<b>Full Face Flange Neoprene Gaskets</b> (40 05 19 00-2074)			
Note: (Polychloroprene)					
40 05 19 00-2121	EA	4" Full Face Flange Neoprene Gasket, 1/8" Thick		25.59	
40 05 19 00-2122	EA	6" Full Face Flange Neoprene Gasket, 1/8" Thick		35.83	
40 05 19 00-2123	EA	8" Full Face Flange Neoprene Gasket, 1/8" Thick		54.84	
40 05 19 00-2124	EA	10" Full Face Flange Neoprene Gasket, 1/8" Thick		59.23	
40 05 19 00-2125	EA	12" Full Face Flange Neoprene Gasket, 1/8" Thick		63.62	
40 05 19 00-2126	EA	14" Full Face Flange Neoprene Gasket, 1/8" Thick		84.82	
40 05 19 00-2127	EA	16" Full Face Flange Neoprene Gasket, 1/8" Thick		149.18	
40 05 19 00-2128	EA	18" Full Face Flange Neoprene Gasket, 1/8" Thick		149.91	
40 05 19 00-2129	EA	20" Full Face Flange Neoprene Gasket, 1/8" Thick		158.68	
40 05 19 00-2130	EA	24" Full Face Flange Neoprene Gasket, 1/8" Thick		160.88	
40 05 19 00-2131	EA	30" Full Face Flange Neoprene Gasket, 1/8" Thick		174.77	
40 05 19 00-2132	EA	36" Full Face Flange Neoprene Gasket, 1/8" Thick		196.71	
40 05 19 00-2133	EA	42" Full Face Flange Neoprene Gasket, 1/8" Thick		285.19	
40 05 19 00-2134	EA	48" Full Face Flange Neoprene Gasket, 1/8" Thick		312.24	
<b>40 05 19 00-2135</b>		<b>Full Face Flange FKM Gaskets</b> (40 05 19 00-2074)			
Note: (Fluoroelastomer Fluorel Viton®)					
40 05 19 00-2136	EA	4" Full Face Flange FKM Gasket, 1/8" Thick		105.77	
40 05 19 00-2137	EA	6" Full Face Flange FKM Gasket, 1/8" Thick		157.48	
40 05 19 00-2138	EA	8" Full Face Flange FKM Gasket, 1/8" Thick		210.36	
40 05 19 00-2139	EA	10" Full Face Flange FKM Gasket, 1/8" Thick		253.84	
40 05 19 00-2140	EA	12" Full Face Flange FKM Gasket, 1/8" Thick		330.23	
40 05 19 00-2141	EA	14" Full Face Flange FKM Gasket, 1/8" Thick		604.05	
40 05 19 00-2142	EA	16" Full Face Flange FKM Gasket, 1/8" Thick		692.19	
40 05 19 00-2143	EA	18" Full Face Flange FKM Gasket, 1/8" Thick		725.10	
40 05 19 00-2144	EA	20" Full Face Flange FKM Gasket, 1/8" Thick		773.28	
40 05 19 00-2145	EA	24" Full Face Flange FKM Gasket, 1/8" Thick		1,069.43	
40 05 19 00-2146	EA	30" Full Face Flange FKM Gasket, 1/8" Thick		1,282.14	
40 05 19 00-2147	EA	36" Full Face Flange FKM Gasket, 1/8" Thick		1,352.66	
40 05 19 00-2148	EA	42" Full Face Flange FKM Gasket, 1/8" Thick		1,686.41	
40 05 19 00-2149	EA	48" Full Face Flange FKM Gasket, 1/8" Thick		1,767.50	
<b>40 05 19 00-2150</b>		<b>Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)</b> (40 05 19)			
40 05 19 00-2151	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)		359.46	66.52
40 05 19 00-2152	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)		499.29	81.21
40 05 19 00-2153	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)		740.31	99.04
40 05 19 00-2154	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)		1,017.62	120.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2155 EA 12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	1,292.25	147.34
40 05 19 00-2156 EA 14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	2,079.41	179.75
40 05 19 00-2157 EA 16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	3,273.80	219.37
40 05 19 00-2158 EA 18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	3,377.95	267.57
40 05 19 00-2159 EA 20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	4,138.62	326.49
40 05 19 00-2160 EA 24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	4,609.27	398.24
40 05 19 00-2161 EA 30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	5,941.95	485.94
40 05 19 00-2162 EA 36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	8,840.95	592.77
40 05 19 00-2163 EA 42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	23,095.12	723.26
40 05 19 00-2164 EA 48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	29,502.24	882.31

**40 05 23 Stainless Steel Process Pipe and Tubing** (40 05)

**40 05 23 23 300- and 400-Series Stainless Steel Process Pipe** (40 05 23)

**40 05 23 23-0001 Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly** (40 05 23 23)

<i>Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.</i>		
40 05 23 23-0002 LF	1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	33.15
	<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	8.58
	<i>For Type 316, Add</i>	4.13
	<i>For Work In Restricted Working Space, Add</i>	5.18
40 05 23 23-0003 LF	3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	37.17
	<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	9.84
	<i>For Type 316, Add</i>	4.33
	<i>For Work In Restricted Working Space, Add</i>	6.15
40 05 23 23-0004 LF	1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	43.31
	<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	11.09
	<i>For Type 316, Add</i>	5.08
	<i>For Work In Restricted Working Space, Add</i>	7.13
40 05 23 23-0005 LF	1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	50.27
	<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	13.40
	<i>For Type 316, Add</i>	6.41
	<i>For Work In Restricted Working Space, Add</i>	7.68
40 05 23 23-0006 LF	1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	55.70
	<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	13.79
	<i>For Type 316, Add</i>	7.35
	<i>For Work In Restricted Working Space, Add</i>	8.24
40 05 23 23-0007 LF	2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	67.52
	<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	18.23
	<i>For Type 316, Add</i>	8.96
	<i>For Work In Restricted Working Space, Add</i>	9.92
40 05 23 23-0008 LF	2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	100.20
	<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	22.46
	<i>For Type 316, Add</i>	15.40
	<i>For Work In Restricted Working Space, Add</i>	12.29
40 05 23 23-0009 LF	3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	127.27
	<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	26.03
	<i>For Type 316, Add</i>	20.06
	<i>For Work In Restricted Working Space, Add</i>	15.04
40 05 23 23-0010 LF	4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	174.68
	<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	26.03
	<i>For Work In Restricted Working Space, Add</i>	19.07

**40 05 23 23-0011 Stainless Steel Tubing And Fittings** (40 05 23 23)

**40 05 23 23-0012 Type 304 Tubing** (40 05 23 23-0011)

**40 05 23 23-0013 0.035" Wall** (40 05 23 23-0012)

40 05 23 23-0014 LF	1/4", 0.035" Wall, Type 304, Stainless Steel Tubing .....	7.74
	<i>For Work In Restricted Working Space, Add</i>	1.68
40 05 23 23-0015 LF	3/8", 0.035" Wall, Type 304, Stainless Steel Tubing .....	8.96
	<i>For Work In Restricted Working Space, Add</i>	2.02
40 05 23 23-0016 LF	1/2", 0.035" Wall, Type 304, Stainless Steel Tubing .....	10.71
	<i>For Work In Restricted Working Space, Add</i>	2.36
40 05 23 23-0017 LF	5/8", 0.035" Wall, Type 304, Stainless Steel Tubing .....	17.67
	<i>For Work In Restricted Working Space, Add</i>	2.70
40 05 23 23-0018 LF	3/4", 0.035" Wall, Type 304, Stainless Steel Tubing .....	20.98
	<i>For Work In Restricted Working Space, Add</i>	3.04
40 05 23 23-0019 LF	7/8", 0.035" Wall, Type 304, Stainless Steel Tubing .....	23.21
	<i>For Work In Restricted Working Space, Add</i>	3.38
40 05 23 23-0020 LF	1", 0.035" Wall, Type 304, Stainless Steel Tubing .....	25.89
	<i>For Work In Restricted Working Space, Add</i>	4.06

**40 05 23 23-0021 0.049" Wall** (40 05 23 23-0012)

40 05 23 23-0022 LF	1/4", 0.049" Wall, Type 304, Stainless Steel Tubing .....	13.03
	<i>For Work In Restricted Working Space, Add</i>	2.02
40 05 23 23-0023 LF	3/8", 0.049" Wall, Type 304, Stainless Steel Tubing .....	14.51
	<i>For Work In Restricted Working Space, Add</i>	2.36
40 05 23 23-0024 LF	1/2", 0.049" Wall, Type 304, Stainless Steel Tubing .....	17.48
	<i>For Work In Restricted Working Space, Add</i>	2.70

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0025	LF	5/8"	0.049" Wall, Type 304, Stainless Steel Tubing	22.12	5.66
			<i>For Work In Restricted Working Space, Add</i>	3.38	
40 05 23 23-0026	LF	3/4"	0.049" Wall, Type 304, Stainless Steel Tubing	25.28	6.80
			<i>For Work In Restricted Working Space, Add</i>	4.06	
40 05 23 23-0027	LF	7/8"	0.049" Wall, Type 304, Stainless Steel Tubing	28.36	7.85
			<i>For Work In Restricted Working Space, Add</i>	4.73	
40 05 23 23-0028	LF	1"	0.049" Wall, Type 304, Stainless Steel Tubing	32.74	8.90
			<i>For Work In Restricted Working Space, Add</i>	5.37	
<b>40 05 23 23-0029</b>			<b>0.065" Wall</b> (40 05 23 23-0012)		
40 05 23 23-0030	LF	1/4"	0.065" Wall, Type 304, Stainless Steel Tubing	15.22	3.98
			<i>For Work In Restricted Working Space, Add</i>	2.36	
40 05 23 23-0031	LF	3/8"	0.065" Wall, Type 304, Stainless Steel Tubing	17.52	4.51
			<i>For Work In Restricted Working Space, Add</i>	2.70	
40 05 23 23-0032	LF	1/2"	0.065" Wall, Type 304, Stainless Steel Tubing	21.59	5.66
			<i>For Work In Restricted Working Space, Add</i>	3.38	
40 05 23 23-0033	LF	5/8"	0.065" Wall, Type 304, Stainless Steel Tubing	25.37	6.80
			<i>For Work In Restricted Working Space, Add</i>	4.06	
40 05 23 23-0034	LF	3/4"	0.065" Wall, Type 304, Stainless Steel Tubing	29.92	7.85
			<i>For Work In Restricted Working Space, Add</i>	4.73	
40 05 23 23-0035	LF	7/8"	0.065" Wall, Type 304, Stainless Steel Tubing	34.40	8.90
			<i>For Work In Restricted Working Space, Add</i>	5.37	
40 05 23 23-0036	LF	1"	0.065" Wall, Type 304, Stainless Steel Tubing	38.77	10.05
			<i>For Work In Restricted Working Space, Add</i>	6.04	
<b>40 05 23 23-0037</b>			<b>Type 304 Tube Fittings</b> (40 05 23 23-0011)		
<b>40 05 23 23-0038</b>			<b>90 Degree Elbows</b> (40 05 23 23-0037)		
40 05 23 23-0039	EA	1/4"	Type 304, Stainless Steel, 90 Degree Elbow	49.34	11.31
			<i>For Work In Restricted Working Space, Add</i>	6.76	
40 05 23 23-0040	EA	3/8"	Type 304, Stainless Steel, 90 Degree Elbow	58.45	12.36
			<i>For Work In Restricted Working Space, Add</i>	7.40	
40 05 23 23-0041	EA	1/2"	Type 304, Stainless Steel, 90 Degree Elbow	88.54	13.93
			<i>For Work In Restricted Working Space, Add</i>	8.38	
40 05 23 23-0042	EA	5/8"	Type 304, Stainless Steel, 90 Degree Elbow	94.50	15.60
			<i>For Work In Restricted Working Space, Add</i>	9.38	
40 05 23 23-0043	EA	3/4"	Type 304, Stainless Steel, 90 Degree Elbow	105.76	16.87
			<i>For Work In Restricted Working Space, Add</i>	10.14	
40 05 23 23-0044	EA	7/8"	Type 304, Stainless Steel, 90 Degree Elbow	144.93	18.75
			<i>For Work In Restricted Working Space, Add</i>	11.22	
40 05 23 23-0045	EA	1"	Type 304, Stainless Steel, 90 Degree Elbow	184.74	22.31
			<i>For Work In Restricted Working Space, Add</i>	13.37	
<b>40 05 23 23-0046</b>			<b>Union Tees</b> (40 05 23 23-0037)		
40 05 23 23-0047	EA	1/4"	Type 304, Stainless Steel, Union Tee	78.37	16.87
			<i>For Work In Restricted Working Space, Add</i>	10.14	
40 05 23 23-0048	EA	3/8"	Type 304, Stainless Steel, Union Tee	95.25	18.75
			<i>For Work In Restricted Working Space, Add</i>	11.22	
40 05 23 23-0049	EA	1/2"	Type 304, Stainless Steel, Union Tee	130.63	20.95
			<i>For Work In Restricted Working Space, Add</i>	12.57	
40 05 23 23-0050	EA	5/8"	Type 304, Stainless Steel, Union Tee	140.42	23.78
			<i>For Work In Restricted Working Space, Add</i>	14.28	
40 05 23 23-0051	EA	3/4"	Type 304, Stainless Steel, Union Tee	179.89	25.55
			<i>For Work In Restricted Working Space, Add</i>	15.33	
40 05 23 23-0052	EA	7/8"	Type 304, Stainless Steel, Union Tee	287.10	28.28
			<i>For Work In Restricted Working Space, Add</i>	16.98	
40 05 23 23-0053	EA	1"	Type 304, Stainless Steel, Union Tee	344.11	33.83
			<i>For Work In Restricted Working Space, Add</i>	20.27	
<b>40 05 23 23-0054</b>			<b>Unions</b> (40 05 23 23-0037)		
40 05 23 23-0055	EA	1/4"	Type 304, Stainless Steel, Union	74.82	16.87
			<i>For Work In Restricted Working Space, Add</i>	10.14	
40 05 23 23-0056	EA	3/8"	Type 304, Stainless Steel, Union	97.25	18.75
			<i>For Work In Restricted Working Space, Add</i>	11.22	
40 05 23 23-0057	EA	1/2"	Type 304, Stainless Steel, Union	131.94	20.95
			<i>For Work In Restricted Working Space, Add</i>	12.57	
40 05 23 23-0058	EA	5/8"	Type 304, Stainless Steel, Union	161.02	23.78
			<i>For Work In Restricted Working Space, Add</i>	14.28	
40 05 23 23-0059	EA	3/4"	Type 304, Stainless Steel, Union	192.43	25.55
			<i>For Work In Restricted Working Space, Add</i>	15.33	
40 05 23 23-0060	EA	7/8"	Type 304, Stainless Steel, Union	297.10	28.28
			<i>For Work In Restricted Working Space, Add</i>	16.98	
40 05 23 23-0061	EA	1"	Type 304, Stainless Steel, Union	315.76	33.83
			<i>For Work In Restricted Working Space, Add</i>	20.27	
<b>40 05 23 23-0062</b>			<b>Male Connectors</b> (40 05 23 23-0037)		
40 05 23 23-0063	EA	1/4" x 1/4"	Type 304, Stainless Steel, Male Connection	36.64	11.31
			<i>For Work In Restricted Working Space, Add</i>	6.76	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0064 EA 3/8" x 3/8", Type 304, Stainless Steel, Male Connection ..... <i>For Work In Restricted Working Space, Add</i>	45.96 7.40	12.36
40 05 23 23-0065 EA 1/2" x 1/2", Type 304, Stainless Steel, Male Connection ..... <i>For Work In Restricted Working Space, Add</i>	59.82 8.38	13.93
40 05 23 23-0066 EA 5/8" x 5/8" Male Connection, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	67.43 9.38	15.60
40 05 23 23-0067 EA 3/4" x 3/4", Type 304, Stainless Steel, Male Connection ..... <i>For Work In Restricted Working Space, Add</i>	81.70 10.14	16.87
40 05 23 23-0068 EA 7/8" x 7/8", Type 304, Stainless Steel, Male Connection ..... <i>For Work In Restricted Working Space, Add</i>	123.83 11.22	18.75
40 05 23 23-0069 EA 1" x 1", Type 304, Stainless Steel, Male Connection ..... <i>For Work In Restricted Working Space, Add</i>	129.38 13.37	22.31
<b>40 05 23 23-0070 Type 304 Valves</b> (40 05 23 23-0011)		
<b>40 05 23 23-0071 Gate Valves</b> (40 05 23 23-0070)		
40 05 23 23-0072 EA 1/4" Gate Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	171.52 9.15	16.87
40 05 23 23-0073 EA 3/8" Gate Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	286.40 9.63	19.80
40 05 23 23-0074 EA 1/2" Gate Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	298.87 13.37	22.31
40 05 23 23-0075 EA 3/4" Gate Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	331.54 15.33	25.55
40 05 23 23-0076 EA 1" Gate Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	307.15 20.27	33.83
<b>40 05 23 23-0077 Globe Valves</b> (40 05 23 23-0070)		
40 05 23 23-0078 EA 1/4" Globe Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	173.83 9.15	16.87
40 05 23 23-0079 EA 3/8" Globe Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	116.47 9.63	19.80
40 05 23 23-0080 EA 1/2" Globe Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	207.47 13.37	22.31
40 05 23 23-0081 EA 3/4" Globe Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	231.16 15.33	25.55
40 05 23 23-0082 EA 1" Globe Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	336.24 20.27	33.83
<b>40 05 23 23-0083 Check Valves</b> (40 05 23 23-0070)		
40 05 23 23-0084 EA 1/4" Check Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	241.73 9.15	16.87
40 05 23 23-0085 EA 3/8" Check Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	243.34 9.63	19.80
40 05 23 23-0086 EA 1/2" Check Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	162.65 13.37	22.31
40 05 23 23-0087 EA 3/4" Check Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	170.89 15.33	25.55
40 05 23 23-0088 EA 1" Check Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	190.79 20.27	33.83
<b>40 05 23 23-0089 Plug Valves</b> (40 05 23 23-0070)		
40 05 23 23-0090 EA 1/2" Plug Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	373.55 13.37	22.31
40 05 23 23-0091 EA 3/4" Plug Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	409.31 15.33	25.55
40 05 23 23-0092 EA 1" Plug Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	464.78 20.27	33.83
40 05 23 23-0093 EA 1-1/2" Plug Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	643.14 22.94	38.24
40 05 23 23-0094 EA 2" Plug Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	838.21 31.43	52.37
<b>40 05 23 23-0095 Type 316 Tubing</b> (40 05 23 23-0011)		
<b>40 05 23 23-0096 0.035" Wall</b> (40 05 23 23-0095)		
40 05 23 23-0097 LF 1/4" Stainless Steel Tubing, Type 316, 0.035" Wall ..... <i>For Work In Restricted Working Space, Add</i>	8.07 1.68	2.83
40 05 23 23-0098 LF 3/8" Stainless Steel Tubing, Type 316, 0.035" Wall ..... <i>For Work In Restricted Working Space, Add</i>	10.54 2.02	3.35
40 05 23 23-0099 LF 1/2" Stainless Steel Tubing, Type 316, 0.035" Wall ..... <i>For Work In Restricted Working Space, Add</i>	11.68 2.36	3.98
40 05 23 23-0100 LF 5/8" Stainless Steel Tubing, Type 316, 0.035" Wall ..... <i>For Work In Restricted Working Space, Add</i>	20.23 2.70	4.51
40 05 23 23-0101 LF 3/4" Stainless Steel Tubing, Type 316, 0.035" Wall ..... <i>For Work In Restricted Working Space, Add</i>	22.96 3.04	5.03
40 05 23 23-0102 LF 7/8" Stainless Steel Tubing, Type 316, 0.035" Wall ..... <i>For Work In Restricted Working Space, Add</i>	29.32 3.38	5.66

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0103	LF		1" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	30.63 4.06	6.80
<b>40 05 23 23-0104</b>			<b>0.049" Wall</b> <small>(40 05 23 23-0095)</small>		
40 05 23 23-0105	LF		1/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	14.41 2.02	3.35
40 05 23 23-0106	LF		3/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	15.95 2.36	3.98
40 05 23 23-0107	LF		1/2" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	18.82 2.70	4.51
40 05 23 23-0108	LF		5/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	24.61 3.38	5.66
40 05 23 23-0109	LF		3/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	28.37 4.06	6.80
40 05 23 23-0110	LF		7/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	36.32 4.73	7.85
40 05 23 23-0111	LF		1" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	36.91 5.37	8.90
<b>40 05 23 23-0112</b>			<b>0.065" Wall</b> <small>(40 05 23 23-0095)</small>		
40 05 23 23-0113	LF		1/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	16.85 2.36	3.98
40 05 23 23-0114	LF		3/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	18.77 2.70	4.51
40 05 23 23-0115	LF		1/2" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	23.55 3.38	5.66
40 05 23 23-0116	LF		5/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	28.07 4.06	6.80
40 05 23 23-0117	LF		3/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	34.06 4.73	7.85
40 05 23 23-0118	LF		7/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	37.47 5.37	8.90
40 05 23 23-0119	LF		1" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	43.72 6.04	10.05
<b>40 05 23 23-0120</b>			<b>Type 316 Tube Fittings</b> <small>(40 05 23 23-0011)</small>		
<b>40 05 23 23-0121</b>			<b>90 Degree Elbows</b> <small>(40 05 23 23-0120)</small>		
40 05 23 23-0122	EA		1/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	68.69 6.76	11.31
40 05 23 23-0123	EA		3/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	82.85 7.40	12.36
40 05 23 23-0124	EA		1/2" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	132.30 8.38	13.93
40 05 23 23-0125	EA		5/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	140.15 9.38	15.60
40 05 23 23-0126	EA		3/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	157.73 10.14	16.87
40 05 23 23-0127	EA		7/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	222.56 11.22	18.75
40 05 23 23-0128	EA		1" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	285.93 13.37	22.31
<b>40 05 23 23-0129</b>			<b>Union Tees</b> <small>(40 05 23 23-0120)</small>		
40 05 23 23-0130	EA		1/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	110.56 10.14	16.87
40 05 23 23-0131	EA		3/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	137.01 11.22	18.75
40 05 23 23-0132	EA		1/2" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	194.69 12.57	20.95
40 05 23 23-0133	EA		5/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	207.42 14.28	23.78
40 05 23 23-0134	EA		3/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	272.88 15.33	25.55
40 05 23 23-0135	EA		7/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	453.51 16.98	28.28
40 05 23 23-0136	EA		1" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	543.75 20.27	33.83
<b>40 05 23 23-0137</b>			<b>Unions</b> <small>(40 05 23 23-0120)</small>		
40 05 23 23-0138	EA		1/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	69.92 10.14	16.87
40 05 23 23-0139	EA		3/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	90.10 11.22	18.75
40 05 23 23-0140	EA		1/2" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	121.18 12.57	20.95
40 05 23 23-0141	EA		5/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	147.46 14.28	23.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0142 EA 3/4" Union, Stainless Steel Type 316.....	175.54	25.55
<i>For Work In Restricted Working Space, Add</i>	15.33	
40 05 23 23-0143 EA 7/8" Union, Stainless Steel Type 316.....	268.35	28.28
<i>For Work In Restricted Working Space, Add</i>	16.98	
40 05 23 23-0144 EA 1" Union, Stainless Steel Type 316.....	286.10	33.83
<i>For Work In Restricted Working Space, Add</i>	20.27	
<b>40 05 23 23-0145 Male Connectors</b> <small>(40 05 23 23-0120)</small>		
40 05 23 23-0146 EA 1/4" x 1/4" Male Connector, Stainless Steel Type 316.....	46.61	11.31
<i>For Work In Restricted Working Space, Add</i>	6.76	
40 05 23 23-0147 EA 3/8" x 3/8" Male Connector, Stainless Steel Type 316.....	61.03	12.36
<i>For Work In Restricted Working Space, Add</i>	7.40	
40 05 23 23-0148 EA 1/2" x 1/2" Male Connector, Stainless Steel Type 316.....	82.37	13.93
<i>For Work In Restricted Working Space, Add</i>	8.38	
40 05 23 23-0149 EA 5/8" x 5/8" Male Connector, Stainless Steel Type 316.....	92.99	15.60
<i>For Work In Restricted Working Space, Add</i>	9.38	
40 05 23 23-0150 EA 3/4" x 3/4" Male Connector, Stainless Steel Type 316.....	115.58	16.87
<i>For Work In Restricted Working Space, Add</i>	10.14	
40 05 23 23-0151 EA 7/8" x 7/8" Male Connector, Stainless Steel Type 316.....	184.93	18.75
<i>For Work In Restricted Working Space, Add</i>	11.22	
40 05 23 23-0152 EA 1" x 1" Male Connector, Stainless Steel Type 316.....	189.34	22.31
<i>For Work In Restricted Working Space, Add</i>	13.37	
<b>40 05 23 23-0153 Type 316 Valves</b> <small>(40 05 23 23-0011)</small>		
<b>40 05 23 23-0154 Gate Valves</b> <small>(40 05 23 23-0153)</small>		
40 05 23 23-0155 EA 1/4" Gate Valve, Stainless Steel Type 316 .....	217.06	16.87
<i>For Work In Restricted Working Space, Add</i>	9.15	
40 05 23 23-0156 EA 3/8" Gate Valve, Stainless Steel Type 316 .....	368.50	19.80
<i>For Work In Restricted Working Space, Add</i>	9.63	
40 05 23 23-0157 EA 1/2" Gate Valve, Stainless Steel Type 316 .....	380.97	22.31
<i>For Work In Restricted Working Space, Add</i>	13.37	
40 05 23 23-0158 EA 3/4" Gate Valve, Stainless Steel Type 316 .....	422.08	25.55
<i>For Work In Restricted Working Space, Add</i>	15.33	
40 05 23 23-0159 EA 1" Gate Valve, Stainless Steel Type 316 .....	384.50	33.83
<i>For Work In Restricted Working Space, Add</i>	20.27	
40 05 23 23-0160 EA 1-1/4" Gate Valve, Stainless Steel Type 316 .....	525.67	35.09
<i>For Work In Restricted Working Space, Add</i>	21.05	
40 05 23 23-0161 EA 1-1/2" Gate Valve, Stainless Steel Type 316 .....	840.46	38.24
<i>For Work In Restricted Working Space, Add</i>	22.94	
40 05 23 23-0162 EA 2" Gate Valve, Stainless Steel Type 316 .....	1,001.19	52.37
<i>For Work In Restricted Working Space, Add</i>	31.43	
40 05 23 23-0163 EA 2-1/2" Gate Valve, Stainless Steel Type 316 .....	1,506.77	167.69
<i>For Work In Restricted Working Space, Add</i>	100.58	
<b>40 05 23 23-0164 Globe Valves</b> <small>(40 05 23 23-0153)</small>		
40 05 23 23-0165 EA 1/4" Globe Valve, Stainless Steel Type 316 .....	220.11	16.87
<i>For Work In Restricted Working Space, Add</i>	9.15	
40 05 23 23-0166 EA 3/8" Globe Valve, Stainless Steel Type 316 .....	143.71	19.80
<i>For Work In Restricted Working Space, Add</i>	9.63	
40 05 23 23-0167 EA 1/2" Globe Valve, Stainless Steel Type 316 .....	260.07	22.31
<i>For Work In Restricted Working Space, Add</i>	13.37	
40 05 23 23-0168 EA 3/4" Globe Valve, Stainless Steel Type 316 .....	289.29	25.55
<i>For Work In Restricted Working Space, Add</i>	15.33	
40 05 23 23-0169 EA 1" Globe Valve, Stainless Steel Type 316 .....	422.99	33.83
<i>For Work In Restricted Working Space, Add</i>	20.27	
40 05 23 23-0170 EA 1-1/4" Globe Valve, Stainless Steel Type 316 .....	526.62	34.88
<i>For Work In Restricted Working Space, Add</i>	20.90	
40 05 23 23-0171 EA 1-1/2" Globe Valve, Stainless Steel Type 316 .....	871.02	38.24
<i>For Work In Restricted Working Space, Add</i>	22.94	
40 05 23 23-0172 EA 2" Globe Valve, Stainless Steel Type 316 .....	1,031.75	52.37
<i>For Work In Restricted Working Space, Add</i>	31.43	
40 05 23 23-0173 EA 2-1/2" Globe Valve, Stainless Steel Type 316 .....	1,313.22	167.69
<i>For Work In Restricted Working Space, Add</i>	100.58	
<b>40 05 23 23-0174 Check Valves</b> <small>(40 05 23 23-0153)</small>		
40 05 23 23-0175 EA 1/4" Check Valve, Stainless Steel Type 316.....	309.94	16.87
<i>For Work In Restricted Working Space, Add</i>	9.15	
40 05 23 23-0176 EA 3/8" Check Valve, Stainless Steel Type 316.....	311.55	19.80
<i>For Work In Restricted Working Space, Add</i>	9.63	
40 05 23 23-0177 EA 1/2" Check Valve, Stainless Steel Type 316.....	200.78	22.31
<i>For Work In Restricted Working Space, Add</i>	13.37	
40 05 23 23-0178 EA 3/4" Check Valve, Stainless Steel Type 316.....	209.56	25.55
<i>For Work In Restricted Working Space, Add</i>	15.33	
40 05 23 23-0179 EA 1" Check Valve, Stainless Steel Type 316.....	230.57	33.83
<i>For Work In Restricted Working Space, Add</i>	20.27	
40 05 23 23-0180 EA 1-1/4" Check Valve, Stainless Steel Type 316.....	316.50	35.09
<i>For Work In Restricted Working Space, Add</i>	21.05	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	23-0181	EA	1-1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	697.85 22.94	38.24
40 05 23	23-0182	EA	2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	848.39 31.43	52.37
40 05 23	23-0183	EA	2-1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,693.53 100.58	167.69
<b>40 05 23</b>	<b>23-0184</b>		<b>Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined</b> <small>(40 05 23 23-0153)</small>		
40 05 23	23-0185	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	334.17 13.37	22.31
40 05 23	23-0186	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	390.28 15.33	25.55
40 05 23	23-0187	EA	1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	498.00 20.27	33.83
40 05 23	23-0188	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	790.51 22.94	38.24
40 05 23	23-0189	EA	2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	1,104.44 31.43	52.37
<b>40 05 23</b>	<b>23-0190</b>		<b>Diaphragm Valves, Teflon Lined</b> <small>(40 05 23 23-0153)</small>		
40 05 23	23-0191	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	441.28 13.37	22.31
40 05 23	23-0192	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	507.31 15.33	25.55
40 05 23	23-0193	EA	1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	615.03 20.27	33.83
40 05 23	23-0194	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	955.14 22.94	38.24
40 05 23	23-0195	EA	2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	1,300.80 31.43	52.37
<b>40 05 23</b>	<b>23-0196</b>		<b>Strainers</b> <small>(40 05 23 23-0153)</small>		
40 05 23	23-0197	EA	1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	442.31 13.37	22.31
40 05 23	23-0198	EA	3/4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	529.14 15.40	25.67
40 05 23	23-0199	EA	1" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	692.42 20.43	34.04
40 05 23	23-0200	EA	1-1/4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	858.44 21.05	35.09
40 05 23	23-0201	EA	1-1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,076.41 22.94	38.24
40 05 23	23-0202	EA	2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,551.80 31.43	52.37
40 05 23	23-0203	EA	2-1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,132.17 41.80	69.66
40 05 23	23-0204	EA	3" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,105.64 62.85	104.75
40 05 23	23-0205	EA	4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,981.52 100.55	167.59
<b>40 05 23</b>	<b>23-0206</b>		<b>Plug Valves</b> <small>(40 05 23 23-0153)</small>		
40 05 23	23-0207	EA	1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	471.06 13.37	22.31
40 05 23	23-0208	EA	3/4" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	515.49 15.33	25.55
40 05 23	23-0209	EA	1" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	582.52 20.27	33.83
40 05 23	23-0210	EA	1-1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	811.12 22.94	38.24
40 05 23	23-0211	EA	2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,055.63 31.43	52.37
<b>40 05 23</b>	<b>23-0212</b>		<b>Cut And Prepare Existing Pipe In-Place</b> <small>(40 05 23 23-0011)</small>		
			Note: For use when connecting pipe to an existing in-place system.		
40 05 23	23-0213	EA	Cut And Prepare 1/2" Stainless Steel Pipe.....	20.94	
40 05 23	23-0214	EA	Cut And Prepare 3/4" Stainless Steel Pipe.....	22.61	
40 05 23	23-0215	EA	Cut And Prepare 1" Stainless Steel Pipe.....	25.44	
40 05 23	23-0216	EA	Cut And Prepare 1-1/4" Stainless Steel Pipe.....	26.70	
40 05 23	23-0217	EA	Cut And Prepare 1-1/2" Stainless Steel Pipe.....	28.26	
40 05 23	23-0218	EA	Cut And Prepare 2" Stainless Steel Pipe.....	30.36	
40 05 23	23-0219	EA	Cut And Prepare 2-1/2" Stainless Steel Pipe.....	32.46	
40 05 23	23-0220	EA	Cut And Prepare 3" Stainless Steel Pipe.....	35.60	
40 05 23	23-0221	EA	Cut And Prepare 4" Stainless Steel Pipe.....	38.73	
40 05 23	23-0222	EA	Cut And Prepare 6" Stainless Steel Pipe.....	41.88	
40 05 23	23-0223	EA	Cut And Prepare 8" Stainless Steel Pipe.....	45.02	
40 05 23	23-0224	EA	Cut And Prepare 10" Stainless Steel Pipe.....	49.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0225 EA Cut And Prepare 12" Stainless Steel Pipe .....	53.39	
40 05 23 23-0226 EA Cut And Prepare 14" Stainless Steel Pipe .....	57.59	
40 05 23 23-0227 EA Cut And Prepare 16" Stainless Steel Pipe .....	61.77	
40 05 23 23-0228 EA Cut And Prepare 18" Stainless Steel Pipe .....	64.91	
40 05 23 23-0229 EA Cut And Prepare 20" Stainless Steel Pipe .....	68.05	
40 05 23 23-0230 EA Cut And Prepare 24" Stainless Steel Pipe .....	72.24	
<b>40 05 23 23-0231 Stainless Steel Pipe And Fittings</b> <small>(40 05 23 23)</small>		
<b>40 05 23 23-0232 Type 304, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings</b> <small>(40 05 23 23-0231)</small>		
<b>40 05 23 23-0233 Type 304, Schedule 40 Stainless Steel Threaded Pipe</b> <small>(40 05 23 23-0232)</small>		
40 05 23 23-0234 LF 1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting .....	16.82	4.51
<i>For Work In Restricted Working Space, Add</i>	2.70	
40 05 23 23-0235 LF 3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting .....	20.67	5.66
<i>For Work In Restricted Working Space, Add</i>	3.38	
40 05 23 23-0236 LF 1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting .....	25.48	6.80
<i>For Work In Restricted Working Space, Add</i>	4.06	
40 05 23 23-0237 LF 1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting .....	30.69	7.85
<i>For Work In Restricted Working Space, Add</i>	4.73	
40 05 23 23-0238 LF 1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting .....	35.57	8.90
<i>For Work In Restricted Working Space, Add</i>	5.37	
40 05 23 23-0239 LF 2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting .....	45.52	11.31
<i>For Work In Restricted Working Space, Add</i>	6.76	
40 05 23 23-0240 LF 2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting .....	62.34	13.41
<i>For Work In Restricted Working Space, Add</i>	8.06	
40 05 23 23-0241 LF 3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting .....	78.36	16.87
<i>For Work In Restricted Working Space, Add</i>	10.14	
40 05 23 23-0242 LF 4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting .....	106.28	22.31
<i>For Work In Restricted Working Space, Add</i>	13.37	
<b>40 05 23 23-0243 150#, Type 304 Stainless Steel Threaded 90 Degree Elbows</b> <small>(40 05 23 23-0232)</small>		
40 05 23 23-0244 EA 1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow .....	36.97	16.87
<i>For Work In Restricted Working Space, Add</i>	10.14	
40 05 23 23-0245 EA 3/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow .....	49.13	22.31
<i>For Work In Restricted Working Space, Add</i>	13.37	
40 05 23 23-0246 EA 1", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow .....	63.25	28.28
<i>For Work In Restricted Working Space, Add</i>	16.99	
40 05 23 23-0247 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow .....	88.90	38.75
<i>For Work In Restricted Working Space, Add</i>	23.28	
40 05 23 23-0248 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow .....	106.14	45.56
<i>For Work In Restricted Working Space, Add</i>	27.32	
40 05 23 23-0249 EA 2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow .....	129.37	55.09
<i>For Work In Restricted Working Space, Add</i>	33.08	
40 05 23 23-0250 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow .....	218.12	87.25
<i>For Work In Restricted Working Space, Add</i>	52.37	
40 05 23 23-0251 EA 3", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow .....	280.72	112.60
<i>For Work In Restricted Working Space, Add</i>	67.58	
40 05 23 23-0252 EA 4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow .....	387.57	139.63
<i>For Work In Restricted Working Space, Add</i>	83.80	
<b>40 05 23 23-0253 150#, Type 304 Stainless Steel Threaded 45 Degree Elbows</b> <small>(40 05 23 23-0232)</small>		
40 05 23 23-0254 EA 1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow .....	37.70	16.87
<i>For Work In Restricted Working Space, Add</i>	10.14	
40 05 23 23-0255 EA 3/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow .....	50.31	22.31
<i>For Work In Restricted Working Space, Add</i>	13.37	
40 05 23 23-0256 EA 1", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow .....	63.61	28.28
<i>For Work In Restricted Working Space, Add</i>	16.99	
40 05 23 23-0257 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow .....	88.76	38.75
<i>For Work In Restricted Working Space, Add</i>	23.28	
40 05 23 23-0258 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow .....	104.39	45.56
<i>For Work In Restricted Working Space, Add</i>	27.32	
40 05 23 23-0259 EA 2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow .....	128.96	55.09
<i>For Work In Restricted Working Space, Add</i>	33.08	
40 05 23 23-0260 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow .....	226.05	87.25
<i>For Work In Restricted Working Space, Add</i>	52.37	
40 05 23 23-0261 EA 3", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow .....	296.19	112.60
<i>For Work In Restricted Working Space, Add</i>	67.58	
40 05 23 23-0262 EA 4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow .....	405.59	139.63
<i>For Work In Restricted Working Space, Add</i>	83.80	
<b>40 05 23 23-0263 150#, Type 304 Stainless Steel Threaded Tees</b> <small>(40 05 23 23-0232)</small>		
40 05 23 23-0264 EA 1/2", 150#, Type 304 Stainless Steel Threaded Tee.....	55.42	25.55
<i>For Work In Restricted Working Space, Add</i>	15.33	
40 05 23 23-0265 EA 3/4", 150#, Type 304 Stainless Steel Threaded Tee.....	74.43	33.83
<i>For Work In Restricted Working Space, Add</i>	20.27	
40 05 23 23-0266 EA 1", 150#, Type 304 Stainless Steel Threaded Tee.....	92.51	41.90
<i>For Work In Restricted Working Space, Add</i>	25.14	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0267 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	133.73 34.91	58.24
40 05 23 23-0268 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	152.50 39.28	65.46
40 05 23 23-0269 EA 2", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	202.28 52.37	87.25
40 05 23 23-0270 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	311.79 75.72	126.22
40 05 23 23-0271 EA 3", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	423.49 101.37	168.95
40 05 23 23-0272 EA 4", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	573.58 125.69	209.49
<b>40 05 23 23-0273 150#, Type 304 Stainless Steel Threaded Reducers (40 05 23 23-0232)</b>		
40 05 23 23-0274 EA 3/4", 150#, Type 304 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	48.58 13.37	22.31
40 05 23 23-0275 EA 1", 150#, Type 304 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	62.08 16.99	28.28
40 05 23 23-0276 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	85.58 23.28	38.75
40 05 23 23-0277 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	102.58 27.32	45.56
40 05 23 23-0278 EA 2", 150#, Type 304 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	129.45 33.08	55.09
40 05 23 23-0279 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	215.78 52.37	87.25
40 05 23 23-0280 EA 3", 150#, Type 304 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	283.92 67.58	112.60
40 05 23 23-0281 EA 4", 150#, Type 304 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	376.50 83.80	139.63
<b>40 05 23 23-0282 150#, Type 304 Stainless Steel Threaded Caps (40 05 23 23-0232)</b>		
40 05 23 23-0283 EA 1/2", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	19.02 5.07	8.49
40 05 23 23-0284 EA 3/4", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	25.18 6.76	11.31
40 05 23 23-0285 EA 1", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	31.91 8.38	13.93
40 05 23 23-0286 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	46.73 11.86	19.80
40 05 23 23-0287 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	54.02 13.37	22.31
40 05 23 23-0288 EA 2", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	68.65 16.99	28.28
40 05 23 23-0289 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	105.50 25.14	41.90
40 05 23 23-0290 EA 3", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	140.26 33.08	55.09
40 05 23 23-0291 EA 4", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	190.44 41.90	69.86
<b>40 05 23 23-0292 150#, Type 304 Stainless Steel Threaded Unions (40 05 23 23-0232)</b>		
40 05 23 23-0293 EA 1/2", 150#, Type 304 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	60.03 15.33	25.55
40 05 23 23-0294 EA 3/4", 150#, Type 304 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	78.89 20.27	33.83
40 05 23 23-0295 EA 1", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	100.87 25.14	41.90
40 05 23 23-0296 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	146.02 34.91	58.24
40 05 23 23-0297 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	164.42 39.28	65.46
40 05 23 23-0298 EA 2", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	214.70 52.37	87.25
40 05 23 23-0299 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	370.51 78.56	130.93
40 05 23 23-0300 EA 3", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	474.74 101.37	168.95
40 05 23 23-0301 EA 4", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	501.46 83.81	139.68
<b>40 05 23 23-0302 150#, Type 304 Stainless Steel Threaded Couplings (40 05 23 23-0232)</b>		
40 05 23 23-0303 EA 1/2", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	36.66 10.14	16.87
40 05 23 23-0304 EA 3/4", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	48.72 13.37	22.31
40 05 23 23-0305 EA 1", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	62.92 16.99	28.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0306 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	87.60 23.28	38.75
40 05 23 23-0307 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	102.96 27.32	45.56
40 05 23 23-0308 EA 2", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	127.01 33.08	55.09
40 05 23 23-0309 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	211.35 52.37	87.25
40 05 23 23-0310 EA 3", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	272.79 67.58	112.60
40 05 23 23-0311 EA 4", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	353.20 83.80	139.63
<b>40 05 23 23-0312 Type 316, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings</b>		
<small>(40 05 23 23-0231)</small>		
<b>40 05 23 23-0313 Type 316, Schedule 40 Stainless Steel Threaded Pipe</b> <small>(40 05 23 23-0312)</small>		
40 05 23 23-0314 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	20.96 2.70	4.51
40 05 23 23-0315 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	24.75 3.38	5.66
40 05 23 23-0316 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	31.34 4.06	6.80
40 05 23 23-0317 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	38.36 4.73	7.85
40 05 23 23-0318 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	44.66 5.37	8.90
40 05 23 23-0319 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	57.69 6.76	11.31
40 05 23 23-0320 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	79.35 8.06	13.41
40 05 23 23-0321 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	103.72 10.14	16.87
40 05 23 23-0322 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	139.29 13.37	22.31
<b>40 05 23 23-0323 150#, Type 316 Stainless Steel Threaded 90 Degree Elbows</b> <small>(40 05 23 23-0312)</small>		
40 05 23 23-0324 EA 1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	37.93 10.14	16.87
40 05 23 23-0325 EA 3/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	50.55 13.37	22.31
40 05 23 23-0326 EA 1", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	64.12 16.99	28.28
40 05 23 23-0327 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	90.47 23.28	38.75
40 05 23 23-0328 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	108.24 27.32	45.56
40 05 23 23-0329 EA 2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	131.96 33.08	55.09
40 05 23 23-0330 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	222.26 52.37	87.25
40 05 23 23-0331 EA 3", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	290.85 67.58	112.60
40 05 23 23-0332 EA 4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	399.88 83.80	139.63
<b>40 05 23 23-0333 150#, Type 316 Stainless Steel Threaded 45 Degree Elbows</b> <small>(40 05 23 23-0312)</small>		
40 05 23 23-0334 EA 1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	38.70 10.14	16.87
40 05 23 23-0335 EA 3/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	51.04 13.37	22.31
40 05 23 23-0336 EA 1", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	64.69 16.99	28.28
40 05 23 23-0337 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	90.31 23.28	38.75
40 05 23 23-0338 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	106.21 27.32	45.56
40 05 23 23-0339 EA 2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	131.39 33.08	55.09
40 05 23 23-0340 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	229.95 52.37	87.25
40 05 23 23-0341 EA 3", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	305.16 67.58	112.60
40 05 23 23-0342 EA 4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	429.78 83.80	139.63
<b>40 05 23 23-0343 150#, Type 316 Stainless Steel Threaded Tees</b> <small>(40 05 23 23-0312)</small>		
40 05 23 23-0344 EA 1/2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	56.44 15.33	25.55

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0345 EA 3/4", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	75.47 20.27	33.83
40 05 23 23-0346 EA 1", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	93.68 25.14	41.90
40 05 23 23-0347 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	136.09 34.91	58.24
40 05 23 23-0348 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	154.84 39.28	65.46
40 05 23 23-0349 EA 2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	205.36 52.37	87.25
40 05 23 23-0350 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	324.37 75.72	126.22
40 05 23 23-0351 EA 3", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	440.63 101.37	168.95
40 05 23 23-0352 EA 4", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	586.36 125.69	209.49
<b>40 05 23 23-0353 150#, Type 316 Stainless Steel Threaded Reducers (40 05 23 23-0312)</b>		
40 05 23 23-0354 EA 3/4", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	49.45 13.37	22.31
40 05 23 23-0355 EA 1", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	64.67 16.99	28.28
40 05 23 23-0356 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	86.07 23.28	38.75
40 05 23 23-0357 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	105.13 27.32	45.56
40 05 23 23-0358 EA 2", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	133.92 33.08	55.09
40 05 23 23-0359 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	225.93 52.37	87.25
40 05 23 23-0360 EA 3", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	295.13 67.58	112.60
40 05 23 23-0361 EA 4", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	395.19 83.80	139.63
<b>40 05 23 23-0362 150#, Type 316 Stainless Steel Threaded Caps (40 05 23 23-0312)</b>		
40 05 23 23-0363 EA 1/2", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	19.59 5.07	8.49
40 05 23 23-0364 EA 3/4", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	25.61 6.76	11.31
40 05 23 23-0365 EA 1", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	32.66 8.38	13.93
40 05 23 23-0366 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	48.83 11.86	19.80
40 05 23 23-0367 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	56.51 13.37	22.31
40 05 23 23-0368 EA 2", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	71.89 16.99	28.28
40 05 23 23-0369 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	110.86 25.14	41.90
40 05 23 23-0370 EA 3", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	145.70 33.08	55.09
40 05 23 23-0371 EA 4", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	201.24 41.90	69.86
<b>40 05 23 23-0372 150#, Type 316 Stainless Steel Threaded Unions (40 05 23 23-0312)</b>		
40 05 23 23-0373 EA 1/2", 150#, Type 316 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	61.25 15.33	25.55
40 05 23 23-0374 EA 3/4", 150#, Type 316 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	83.52 20.27	33.83
40 05 23 23-0375 EA 1", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	103.22 25.14	41.90
40 05 23 23-0376 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	150.00 34.91	58.24
40 05 23 23-0377 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	169.07 39.28	65.46
40 05 23 23-0378 EA 2", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	220.08 52.37	87.25
40 05 23 23-0379 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	378.77 78.56	130.93
40 05 23 23-0380 EA 3", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	500.46 101.37	168.95
40 05 23 23-0381 EA 4", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	556.29 83.81	139.68
<b>40 05 23 23-0382 150#, Type 316 Stainless Steel Threaded Couplings (40 05 23 23-0312)</b>		
40 05 23 23-0383 EA 1/2", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	38.60 10.14	16.87





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0384 EA 3/4", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	49.62 13.37	22.31
40 05 23 23-0385 EA 1", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	63.78 16.99	28.28
40 05 23 23-0386 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	88.96 23.28	38.75
40 05 23 23-0387 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	104.60 27.32	45.56
40 05 23 23-0388 EA 2", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	129.27 33.08	55.09
40 05 23 23-0389 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	219.26 52.37	87.25
40 05 23 23-0390 EA 3", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	282.98 67.58	112.60
40 05 23 23-0391 EA 4", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	368.48 83.80	139.63
<b>40 05 23 23-0392 Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings</b> <small>(40 05 23 23-0231)</small>		
<b>40 05 23 23-0393 Type 304, Schedule 10 Stainless Steel Pipe</b> <small>(40 05 23 23-0392)</small>		
40 05 23 23-0394 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	18.95 2.64	4.40
40 05 23 23-0395 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	22.50 3.23	5.38
40 05 23 23-0396 LF 1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	30.10 3.79	6.36
40 05 23 23-0397 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	36.69 4.74	7.93
40 05 23 23-0398 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	40.76 5.34	8.90
40 05 23 23-0399 LF 2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	50.41 6.61	11.06
40 05 23 23-0400 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	60.48 7.56	12.63
40 05 23 23-0401 LF 3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	71.62 8.51	14.19
40 05 23 23-0402 LF 4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	90.31 10.07	16.83
40 05 23 23-0403 LF 6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	132.65 13.22	22.11
40 05 23 23-0404 LF 8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	220.05 25.33	39.42
40 05 23 23-0405 LF 10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	283.86 27.86	43.34
40 05 23 23-0406 LF 12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	341.23 30.96	48.19
40 05 23 23-0407 LF 14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	421.83 34.83	54.17
40 05 23 23-0408 LF 16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	463.58 39.80	61.92
40 05 23 23-0409 LF 18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	518.24 46.44	72.24
40 05 23 23-0410 LF 20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	724.96 55.73	86.68
40 05 23 23-0411 LF 24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	947.33 69.66	108.36
<b>40 05 23 23-0412 Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow</b> <small>(40 05 23 23-0392)</small>		
40 05 23 23-0413 EA 1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	116.78 33.47	50.20
40 05 23 23-0414 EA 3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	123.65 35.53	53.29
40 05 23 23-0415 EA 1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	136.28 39.04	58.56
40 05 23 23-0416 EA 1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	148.76 42.55	63.83
40 05 23 23-0417 EA 1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	164.30 46.99	70.48
40 05 23 23-0418 EA 2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	183.78 52.28	78.42
40 05 23 23-0419 EA 2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	239.30 66.91	100.36
40 05 23 23-0420 EA 3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	280.73 78.42	117.63
40 05 23 23-0421 EA 4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	344.47 93.86	140.79
40 05 23 23-0422 EA 6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	475.54 117.26	175.88
40 05 23 23-0423 EA 8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	818.80 199.02	298.53

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0424 EA 10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,217.90 265.36	398.03
40 05 23 23-0425 EA 12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,840.44 398.04	597.06
40 05 23 23-0426 EA 14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,178.35 464.38	696.56
40 05 23 23-0427 EA 16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,564.04 529.70	794.56
40 05 23 23-0428 EA 18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,242.65 663.39	995.10
40 05 23 23-0429 EA 20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,519.52 928.75	1,393.12
40 05 23 23-0430 EA 24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	6,490.20 1,326.79	1,990.18
<b>40 05 23 23-0431 Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow (40 05 23 23-0392)</b>		
40 05 23 23-0432 EA 1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	118.31 33.47	50.20
40 05 23 23-0433 EA 3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	125.18 35.53	53.29
40 05 23 23-0434 EA 1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	138.12 39.04	58.56
40 05 23 23-0435 EA 1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	151.21 42.55	63.83
40 05 23 23-0436 EA 1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	164.61 46.99	70.48
40 05 23 23-0437 EA 2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	183.78 52.28	78.42
40 05 23 23-0438 EA 2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	237.77 66.91	100.36
40 05 23 23-0439 EA 3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	277.97 78.42	117.63
40 05 23 23-0440 EA 4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	339.26 93.86	140.79
40 05 23 23-0441 EA 6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	448.23 117.26	175.88
40 05 23 23-0442 EA 8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	766.12 199.02	298.53
40 05 23 23-0443 EA 10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,124.12 265.36	398.03
40 05 23 23-0444 EA 12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,691.97 398.04	597.06
40 05 23 23-0445 EA 14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,996.12 464.38	696.56
40 05 23 23-0446 EA 16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,339.13 529.70	794.56
40 05 23 23-0447 EA 18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,947.30 663.39	995.10
40 05 23 23-0448 EA 20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,120.99 928.75	1,393.12
40 05 23 23-0449 EA 24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	5,924.85 1,326.79	1,990.18
<b>40 05 23 23-0450 Type 304, Schedule 10 Stainless Steel Butt Weld Tee (40 05 23 23-0392)</b>		
40 05 23 23-0451 EA 1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	158.68 42.54	63.81
40 05 23 23-0452 EA 3/4", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	190.95 52.22	78.33
40 05 23 23-0453 EA 1", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	212.46 58.67	88.01
40 05 23 23-0454 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	241.78 66.91	100.36
40 05 23 23-0455 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	256.29 71.82	107.73
40 05 23 23-0456 EA 2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	279.22 78.34	117.50
40 05 23 23-0457 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	363.96 93.86	140.79
40 05 23 23-0458 EA 3", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	425.24 117.63	176.45
40 05 23 23-0459 EA 4", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	489.76 132.02	198.03
40 05 23 23-0460 EA 6", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	718.99 176.02	264.03
40 05 23 23-0461 EA 8", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,196.36 265.36	398.03
40 05 23 23-0462 EA 10", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,840.44 398.04	597.06
40 05 23 23-0463 EA 12", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,371.96 497.54	746.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0464 EA 14", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,923.31 597.91	896.87
40 05 23 23-0465 EA 16", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,539.14 729.39	1,094.08
40 05 23 23-0466 EA 18", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,503.15 928.75	1,393.12
40 05 23 23-0467 EA 20", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	6,029.71 1,222.04	1,833.06
40 05 23 23-0468 EA 24", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	9,029.56 1,857.50	2,786.25
<b>40 05 23 23-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees</b> (40 05 23 23-0392)		
40 05 23 23-0470 EA 3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	148.54 35.54	53.31
40 05 23 23-0471 EA 1", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	175.23 43.55	65.33
40 05 23 23-0472 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	218.01 48.93	73.40
40 05 23 23-0473 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	223.69 55.79	83.67
40 05 23 23-0474 EA 2", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	233.88 59.95	89.92
40 05 23 23-0475 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	310.12 65.33	97.99
40 05 23 23-0476 EA 3", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	364.72 78.30	117.45
40 05 23 23-0477 EA 4", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	448.96 97.87	146.80
40 05 23 23-0478 EA 6", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	599.20 111.83	167.74
40 05 23 23-0479 EA 8", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,151.97 165.85	248.77
40 05 23 23-0480 EA 10", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,919.17 221.13	331.70
40 05 23 23-0481 EA 12", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,736.07 331.70	497.54
40 05 23 23-0482 EA 14", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,321.10 398.49	597.74
40 05 23 23-0483 EA 16", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,116.04 486.09	729.14
40 05 23 23-0484 EA 18", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	5,318.47 619.17	928.75
40 05 23 23-0485 EA 20", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	7,589.46 814.70	1,222.04
40 05 23 23-0486 EA 24", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	11,886.56 1,237.24	1,855.85
<b>40 05 23 23-0487 Type 304, Schedule 10 Stainless Steel Butt Weld Reducers</b> (40 05 23 23-0392)		
40 05 23 23-0488 EA 3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	118.16 32.32	48.48
40 05 23 23-0489 EA 1", Type 304, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	130.29 35.22	52.83
40 05 23 23-0490 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	144.42 39.04	58.56
40 05 23 23-0491 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	153.19 42.55	63.83
40 05 23 23-0492 EA 2", Type 304, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	166.76 46.99	70.48
40 05 23 23-0493 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	225.80 58.72	88.08
40 05 23 23-0494 EA 3", Type 304, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	255.05 66.85	100.27
40 05 23 23-0495 EA 4", Type 304, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	298.00 78.34	117.50
40 05 23 23-0496 EA 6", Type 304, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	385.21 99.73	149.59
40 05 23 23-0497 EA 8", Type 304, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	615.48 159.22	238.82
40 05 23 23-0498 EA 10", Type 304, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	784.34 199.02	298.53
40 05 23 23-0499 EA 12", Type 304, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,055.85 265.36	398.03
40 05 23 23-0500 EA 14", Type 304, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,517.28 348.28	522.43
40 05 23 23-0501 EA 16", Type 304, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,778.37 396.90	595.35
40 05 23 23-0502 EA 18", Type 304, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	2,185.72 497.54	746.31
40 05 23 23-0503 EA 20", Type 304, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	3,082.32 663.39	995.10
40 05 23 23-0504 EA 24", Type 304, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	4,429.26 995.09	1,492.64

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0505 EA 3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer .....	147.01	48.48
For Work In Restricted Working Space, Add	32.32	
40 05 23 23-0506 EA 1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer .....	151.46	52.83
For Work In Restricted Working Space, Add	35.22	
40 05 23 23-0507 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer .....	158.93	58.56
For Work In Restricted Working Space, Add	39.04	
40 05 23 23-0508 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer .....	179.58	63.83
For Work In Restricted Working Space, Add	42.55	
40 05 23 23-0509 EA 2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer .....	185.78	70.48
For Work In Restricted Working Space, Add	46.99	
40 05 23 23-0510 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer .....	246.67	88.08
For Work In Restricted Working Space, Add	58.72	
40 05 23 23-0511 EA 3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer .....	275.61	100.27
For Work In Restricted Working Space, Add	66.85	
40 05 23 23-0512 EA 4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer .....	313.90	117.50
For Work In Restricted Working Space, Add	78.34	
40 05 23 23-0513 EA 6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer .....	442.59	149.59
For Work In Restricted Working Space, Add	99.73	
40 05 23 23-0514 EA 8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer .....	738.49	238.82
For Work In Restricted Working Space, Add	159.22	
40 05 23 23-0515 EA 10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer .....	1,024.27	298.53
For Work In Restricted Working Space, Add	199.02	
40 05 23 23-0516 EA 12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer .....	1,277.54	398.03
For Work In Restricted Working Space, Add	265.36	
40 05 23 23-0517 EA 14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer .....	2,028.70	522.43
For Work In Restricted Working Space, Add	348.28	
40 05 23 23-0518 EA 16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer .....	2,364.38	595.35
For Work In Restricted Working Space, Add	396.90	
40 05 23 23-0519 EA 18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer .....	2,900.92	746.31
For Work In Restricted Working Space, Add	497.54	
40 05 23 23-0520 EA 20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer .....	4,228.39	995.10
For Work In Restricted Working Space, Add	663.39	
40 05 23 23-0521 EA 24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer .....	5,948.17	1,492.64
For Work In Restricted Working Space, Add	995.09	
<b>40 05 23 23-0522 Type 304, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 23-0392)</b>		
40 05 23 23-0523 EA 1/2", Type 304, Schedule 10 Stainless Steel Cap .....	65.30	25.10
For Work In Restricted Working Space, Add	16.74	
40 05 23 23-0524 EA 3/4", Type 304, Schedule 10 Stainless Steel Cap .....	72.10	26.64
For Work In Restricted Working Space, Add	17.76	
40 05 23 23-0525 EA 1", Type 304, Schedule 10 Stainless Steel Cap .....	79.18	29.29
For Work In Restricted Working Space, Add	19.52	
40 05 23 23-0526 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Cap .....	87.34	31.92
For Work In Restricted Working Space, Add	21.27	
40 05 23 23-0527 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Cap .....	93.36	35.24
For Work In Restricted Working Space, Add	23.50	
40 05 23 23-0528 EA 2", Type 304, Schedule 10 Stainless Steel Cap .....	100.32	39.20
For Work In Restricted Working Space, Add	26.14	
40 05 23 23-0529 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Cap .....	130.54	50.18
For Work In Restricted Working Space, Add	33.46	
40 05 23 23-0530 EA 3", Type 304, Schedule 10 Stainless Steel Cap .....	146.96	58.82
For Work In Restricted Working Space, Add	39.21	
40 05 23 23-0531 EA 4", Type 304, Schedule 10 Stainless Steel Cap .....	177.30	70.39
For Work In Restricted Working Space, Add	46.93	
40 05 23 23-0532 EA 6", Type 304, Schedule 10 Stainless Steel Cap .....	229.79	88.08
For Work In Restricted Working Space, Add	58.72	
40 05 23 23-0533 EA 8", Type 304, Schedule 10 Stainless Steel Cap .....	393.01	149.26
For Work In Restricted Working Space, Add	99.51	
40 05 23 23-0534 EA 10", Type 304, Schedule 10 Stainless Steel Cap .....	523.27	199.02
For Work In Restricted Working Space, Add	132.68	
40 05 23 23-0535 EA 12", Type 304, Schedule 10 Stainless Steel Cap .....	768.94	298.52
For Work In Restricted Working Space, Add	199.02	
40 05 23 23-0536 EA 14", Type 304, Schedule 10 Stainless Steel Cap .....	903.32	348.28
For Work In Restricted Working Space, Add	232.19	
40 05 23 23-0537 EA 16", Type 304, Schedule 10 Stainless Steel Cap .....	1,049.69	397.28
For Work In Restricted Working Space, Add	264.86	
40 05 23 23-0538 EA 18", Type 304, Schedule 10 Stainless Steel Cap .....	1,327.27	497.54
For Work In Restricted Working Space, Add	331.70	
40 05 23 23-0539 EA 20", Type 304, Schedule 10 Stainless Steel Cap .....	1,829.70	696.56
For Work In Restricted Working Space, Add	464.38	
40 05 23 23-0540 EA 24", Type 304, Schedule 10 Stainless Steel Cap .....	2,707.82	995.08
For Work In Restricted Working Space, Add	663.39	
<b>40 05 23 23-0541 Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)</b>		
<b>40 05 23 23-0542 Type 304, Schedule 40 Stainless Steel Pipe (40 05 23 23-0541)</b>		
40 05 23 23-0543 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting .....	21.44	4.40
For Work In Restricted Working Space, Add	2.64	
40 05 23 23-0544 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting .....	26.03	5.38
For Work In Restricted Working Space, Add	3.23	
40 05 23 23-0545 LF 1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting .....	32.00	6.36
For Work In Restricted Working Space, Add	3.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0546 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	40.01 4.74	7.83
40 05 23 23-0547 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	46.16 5.34	8.81
40 05 23 23-0548 LF 2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	59.30 6.61	11.26
40 05 23 23-0549 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	74.04 7.96	12.72
40 05 23 23-0550 LF 3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	71.38 8.51	14.19
40 05 23 23-0551 LF 4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	120.55 10.07	16.64
40 05 23 23-0552 LF 6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	189.39 13.22	22.02
40 05 23 23-0553 LF 8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	333.54 25.33	39.21
40 05 23 23-0554 LF 10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	425.02 27.86	43.34
40 05 23 23-0555 LF 12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	532.22 30.96	47.99
<b>40 05 23 23-0556 Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows</b> <small>(40 05 23 23-0541)</small>		
40 05 23 23-0557 EA 1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	118.00 33.47	50.20
40 05 23 23-0558 EA 3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	124.87 35.53	53.29
40 05 23 23-0559 EA 1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	137.20 39.04	58.56
40 05 23 23-0560 EA 1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	149.43 42.55	63.83
40 05 23 23-0561 EA 1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	164.91 46.99	70.48
40 05 23 23-0562 EA 2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	185.93 52.28	78.42
40 05 23 23-0563 EA 2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	247.28 66.91	100.36
40 05 23 23-0564 EA 3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	292.39 78.42	117.63
40 05 23 23-0565 EA 4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	364.11 93.86	140.79
40 05 23 23-0566 EA 6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	601.03 117.26	175.88
40 05 23 23-0567 EA 8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	989.81 199.02	298.53
40 05 23 23-0568 EA 10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	1,564.86 265.36	398.03
40 05 23 23-0569 EA 12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	2,290.45 398.04	597.06
40 05 23 23-0570 EA 14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	2,724.29 464.38	696.56
40 05 23 23-0571 EA 16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	3,265.37 529.70	794.56
40 05 23 23-0572 EA 18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	4,217.13 663.39	995.10
40 05 23 23-0573 EA 20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	5,722.30 928.75	1,393.12
40 05 23 23-0574 EA 24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	8,206.16 1,326.79	1,990.18
<b>40 05 23 23-0575 Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows</b> <small>(40 05 23 23-0541)</small>		
40 05 23 23-0576 EA 1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	120.15 33.47	50.20
40 05 23 23-0577 EA 3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	127.02 35.53	53.29
40 05 23 23-0578 EA 1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	138.73 39.04	58.56
40 05 23 23-0579 EA 1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	150.99 42.55	63.83
40 05 23 23-0580 EA 1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	166.45 46.99	70.48
40 05 23 23-0581 EA 2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	186.26 52.28	78.42
40 05 23 23-0582 EA 2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	247.28 66.91	100.36
40 05 23 23-0583 EA 3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	283.80 78.42	117.63
40 05 23 23-0584 EA 4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	368.71 93.86	140.79
40 05 23 23-0585 EA 6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	496.40 117.26	175.88

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0586 EA 8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	880.11 199.02	298.53
40 05 23 23-0587 EA 10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,290.81 265.36	398.03
40 05 23 23-0588 EA 12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,886.18 398.04	597.06
40 05 23 23-0589 EA 14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,133.08 464.38	696.56
40 05 23 23-0590 EA 16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,561.46 529.70	794.56
40 05 23 23-0591 EA 18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,235.11 663.39	995.10
40 05 23 23-0592 EA 20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,397.20 928.75	1,393.12
40 05 23 23-0593 EA 24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	6,393.85 1,326.79	1,990.18
<b>40 05 23 23-0594 Type 304, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 23-0541)</b>		
40 05 23 23-0595 EA 1/2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	159.90 42.54	63.81
40 05 23 23-0596 EA 3/4", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	192.17 52.22	78.33
40 05 23 23-0597 EA 1", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	213.68 58.67	88.01
40 05 23 23-0598 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	244.91 66.91	100.36
40 05 23 23-0599 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	257.51 71.82	107.73
40 05 23 23-0600 EA 2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	280.76 78.34	117.50
40 05 23 23-0601 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	368.10 93.86	140.79
40 05 23 23-0602 EA 3", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	431.68 117.63	176.45
40 05 23 23-0603 EA 4", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	496.82 132.02	198.03
40 05 23 23-0604 EA 6", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	767.77 176.02	264.03
40 05 23 23-0605 EA 8", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,341.17 265.36	398.03
40 05 23 23-0606 EA 10", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,284.84 398.04	597.06
40 05 23 23-0607 EA 12", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,840.54 497.54	746.31
40 05 23 23-0608 EA 14", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,867.51 597.91	896.87
40 05 23 23-0609 EA 16", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,917.62 729.39	1,094.08
40 05 23 23-0610 EA 18", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	6,374.79 928.75	1,393.12
40 05 23 23-0611 EA 20", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	8,225.09 1,222.04	1,833.06
40 05 23 23-0612 EA 24", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	12,595.14 1,857.50	2,786.25
<b>40 05 23 23-0613 Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0541)</b>		
40 05 23 23-0614 EA 3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	152.53 35.54	53.31
40 05 23 23-0615 EA 1", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	179.22 43.55	65.33
40 05 23 23-0616 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	237.20 48.93	73.40
40 05 23 23-0617 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	229.52 55.79	83.67
40 05 23 23-0618 EA 2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	233.88 59.95	89.92
40 05 23 23-0619 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	290.51 65.33	97.99
40 05 23 23-0620 EA 3", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	321.46 78.30	117.45
40 05 23 23-0621 EA 4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	426.25 97.87	146.80
40 05 23 23-0622 EA 6", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	602.88 111.83	167.74
40 05 23 23-0623 EA 8", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,021.74 165.85	248.77
40 05 23 23-0624 EA 10", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,959.92 221.13	331.70
40 05 23 23-0625 EA 12", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,817.60 331.70	497.54
40 05 23 23-0626 EA 14", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,206.72 398.49	597.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0627 EA 16", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,972.79 486.09	729.14
40 05 23 23-0628 EA 18", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	5,131.66 619.17	928.75
40 05 23 23-0629 EA 20", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	7,309.71 814.70	1,222.04
40 05 23 23-0630 EA 24", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	11,441.01 1,237.24	1,855.85
<b>40 05 23 23-0631 Type 304, Schedule 40 Stainless Steel Butt Weld Reducers</b> (40 05 23 23-0541)		
40 05 23 23-0632 EA 3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	121.23 32.32	48.48
40 05 23 23-0633 EA 1", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	133.36 35.22	52.83
40 05 23 23-0634 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	144.65 39.04	58.56
40 05 23 23-0635 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	156.26 42.55	63.83
40 05 23 23-0636 EA 2", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	168.60 46.99	70.48
40 05 23 23-0637 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	225.80 58.72	88.08
40 05 23 23-0638 EA 3", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	244.00 66.85	100.27
40 05 23 23-0639 EA 4", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	282.29 78.34	117.50
40 05 23 23-0640 EA 6", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	387.66 99.73	149.59
40 05 23 23-0641 EA 8", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	667.59 159.22	238.82
40 05 23 23-0642 EA 10", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	873.82 199.02	298.53
40 05 23 23-0643 EA 12", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,135.71 265.36	398.03
40 05 23 23-0644 EA 14", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,696.49 348.28	522.43
40 05 23 23-0645 EA 16", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	2,003.67 396.90	595.35
40 05 23 23-0646 EA 18", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	2,641.95 497.54	746.31
40 05 23 23-0647 EA 20", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	3,620.47 663.39	995.10
40 05 23 23-0648 EA 24", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	4,986.57 995.09	1,492.64
40 05 23 23-0649 EA 3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	148.25 32.32	48.48
40 05 23 23-0650 EA 1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	157.90 35.22	52.83
40 05 23 23-0651 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	181.02 39.04	58.56
40 05 23 23-0652 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	190.93 42.55	63.83
40 05 23 23-0653 EA 2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	203.27 46.99	70.48
40 05 23 23-0654 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	246.67 58.72	88.08
40 05 23 23-0655 EA 3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	313.65 66.85	100.27
40 05 23 23-0656 EA 4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	339.67 78.34	117.50
40 05 23 23-0657 EA 6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	468.05 99.73	149.59
40 05 23 23-0658 EA 8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	741.15 159.22	238.82
40 05 23 23-0659 EA 10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,021.95 199.02	298.53
40 05 23 23-0660 EA 12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,398.17 265.36	398.03
40 05 23 23-0661 EA 14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,339.81 348.28	522.43
40 05 23 23-0662 EA 16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,652.94 396.90	595.35
40 05 23 23-0663 EA 18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,481.93 497.54	746.31
40 05 23 23-0664 EA 20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,515.13 663.39	995.10
40 05 23 23-0665 EA 24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	7,219.09 995.09	1,492.64
<b>40 05 23 23-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps</b> (40 05 23 23-0541)		
40 05 23 23-0667 EA 1/2", Type 304, Schedule 40 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	66.22 16.74	25.10

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0668 EA 3/4", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	71.18 17.76	26.64
40 05 23 23-0669 EA 1", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	80.11 19.52	29.29
40 05 23 23-0670 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	91.44 21.27	31.92
40 05 23 23-0671 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	97.34 23.50	35.24
40 05 23 23-0672 EA 2", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	100.02 26.14	39.20
40 05 23 23-0673 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	128.48 33.46	50.18
40 05 23 23-0674 EA 3", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	148.19 39.21	58.82
40 05 23 23-0675 EA 4", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	180.99 46.93	70.39
40 05 23 23-0676 EA 6", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	252.50 58.72	88.08
40 05 23 23-0677 EA 8", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	429.47 99.51	149.26
40 05 23 23-0678 EA 10", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	574.81 132.68	199.02
40 05 23 23-0679 EA 12", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	867.19 199.02	298.52
40 05 23 23-0680 EA 14", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	993.32 232.19	348.28
40 05 23 23-0681 EA 16", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,173.50 264.86	397.28
40 05 23 23-0682 EA 18", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,474.00 331.70	497.54
40 05 23 23-0683 EA 20", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	2,025.38 464.38	696.56
40 05 23 23-0684 EA 24", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	3,034.98 663.39	995.08
<b>40 05 23 23-0685 Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings</b> (40 05 23 23- 02317)		
<b>40 05 23 23-0686 Type 316, Schedule 10 Stainless Steel Pipe</b> (40 05 23 23-0685)		
40 05 23 23-0687 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	22.11 2.64	4.40
40 05 23 23-0688 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	26.16 3.23	5.38
40 05 23 23-0689 LF 1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	35.56 3.79	6.36
40 05 23 23-0690 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	43.21 4.74	7.93
40 05 23 23-0691 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	47.94 5.34	8.90
40 05 23 23-0692 LF 2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	59.27 6.61	11.06
40 05 23 23-0693 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	71.50 7.56	12.63
40 05 23 23-0694 LF 3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	85.12 8.51	14.19
40 05 23 23-0695 LF 4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	108.03 10.07	16.83
40 05 23 23-0696 LF 6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	160.31 13.22	22.11
40 05 23 23-0697 LF 8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	262.41 25.33	39.42
40 05 23 23-0698 LF 10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	343.50 27.86	43.34
40 05 23 23-0699 LF 12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	415.57 30.96	48.19
40 05 23 23-0700 LF 14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	517.31 34.83	54.17
40 05 23 23-0701 LF 16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	566.91 39.80	61.92
40 05 23 23-0702 LF 18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	631.75 46.44	72.24
40 05 23 23-0703 LF 20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	893.35 55.73	86.68
40 05 23 23-0704 LF 24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	1,170.66 69.66	108.36
<b>40 05 23 23-0705 Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows</b> (40 05 23 23- 0685)		
40 05 23 23-0706 EA 1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	118.31 33.47	50.20
40 05 23 23-0707 EA 3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	125.18 35.53	53.29





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0708 EA 1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	138.12 39.04	58.56
40 05 23 23-0709 EA 1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	151.44 42.55	63.83
40 05 23 23-0710 EA 1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	166.14 46.99	70.48
40 05 23 23-0711 EA 2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	185.93 52.28	78.42
40 05 23 23-0712 EA 2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	243.29 66.91	100.36
40 05 23 23-0713 EA 3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	286.56 78.42	117.63
40 05 23 23-0714 EA 4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	353.37 93.86	140.79
40 05 23 23-0715 EA 6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	498.86 117.26	175.88
40 05 23 23-0716 EA 8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	862.22 199.02	298.53
40 05 23 23-0717 EA 10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,318.29 265.36	398.03
40 05 23 23-0718 EA 12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,977.31 398.04	597.06
40 05 23 23-0719 EA 14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,307.15 464.38	696.56
40 05 23 23-0720 EA 16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,767.76 529.70	794.56
40 05 23 23-0721 EA 18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,486.94 663.39	995.10
40 05 23 23-0722 EA 20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,868.48 928.75	1,393.12
40 05 23 23-0723 EA 24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	7,008.73 1,326.79	1,990.18
<b>40 05 23 23-0724 Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows</b> <small>(40 05 23 23-0685)</small>		
40 05 23 23-0725 EA 1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	120.15 33.47	50.20
40 05 23 23-0726 EA 3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	127.02 35.53	53.29
40 05 23 23-0727 EA 1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	139.96 39.04	58.56
40 05 23 23-0728 EA 1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	153.89 42.55	63.83
40 05 23 23-0729 EA 1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	166.14 46.99	70.48
40 05 23 23-0730 EA 2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	185.93 52.28	78.42
40 05 23 23-0731 EA 2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	241.45 66.91	100.36
40 05 23 23-0732 EA 3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	283.80 78.42	117.63
40 05 23 23-0733 EA 4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	346.93 93.86	140.79
40 05 23 23-0734 EA 6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	460.81 117.26	175.88
40 05 23 23-0735 EA 8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	793.95 199.02	298.53
40 05 23 23-0736 EA 10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,290.81 265.36	398.03
40 05 23 23-0737 EA 12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,886.18 398.04	597.06
40 05 23 23-0738 EA 14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,221.75 464.38	696.56
40 05 23 23-0739 EA 16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,611.19 529.70	794.56
40 05 23 23-0740 EA 18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,302.56 663.39	995.10
40 05 23 23-0741 EA 20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,702.82 928.75	1,393.12
40 05 23 23-0742 EA 24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	6,788.08 1,326.79	1,990.18
<b>40 05 23 23-0743 Type 316, Schedule 10 Stainless Steel Butt Weld Tees</b> <small>(40 05 23 23-0685)</small>		
40 05 23 23-0744 EA 1/2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	162.66 42.54	63.81
40 05 23 23-0745 EA 3/4", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	194.93 52.22	78.33
40 05 23 23-0746 EA 1", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	216.44 58.67	88.01
40 05 23 23-0747 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	249.15 66.91	100.36

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0748 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	262.12 71.82	107.73
40 05 23 23-0749 EA 2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	284.44 78.34	117.50
40 05 23 23-0750 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	347.24 93.86	140.79
40 05 23 23-0751 EA 3", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	435.36 117.63	176.45
40 05 23 23-0752 EA 4", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	503.57 132.02	198.03
40 05 23 23-0753 EA 6", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	758.57 176.02	264.03
40 05 23 23-0754 EA 8", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,300.40 265.36	398.03
40 05 23 23-0755 EA 10", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,040.27 398.04	597.06
40 05 23 23-0756 EA 12", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,636.72 497.54	746.31
40 05 23 23-0757 EA 14", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,414.24 597.91	896.87
40 05 23 23-0758 EA 16", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	4,014.57 729.39	1,094.08
40 05 23 23-0759 EA 18", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	5,101.35 928.75	1,393.12
40 05 23 23-0760 EA 20", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	6,902.05 1,222.04	1,833.06
40 05 23 23-0761 EA 24", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	9,794.66 1,857.50	2,786.25
<b>40 05 23 23-0762 Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0685)</b>		
40 05 23 23-0763 EA 3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	158.05 35.54	53.31
40 05 23 23-0764 EA 1", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	186.58 43.55	65.33
40 05 23 23-0765 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	231.84 48.93	73.40
40 05 23 23-0766 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	233.20 55.79	83.67
40 05 23 23-0767 EA 2", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	247.07 59.95	89.92
40 05 23 23-0768 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	350.01 65.33	97.99
40 05 23 23-0769 EA 3", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	328.82 78.30	117.45
40 05 23 23-0770 EA 4", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	448.96 97.87	146.80
40 05 23 23-0771 EA 6", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	655.96 111.83	167.74
40 05 23 23-0772 EA 8", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,317.01 165.85	248.77
40 05 23 23-0773 EA 10", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,469.60 221.13	331.70
40 05 23 23-0774 EA 12", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,204.98 331.70	497.54
40 05 23 23-0775 EA 14", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,631.77 398.49	597.74
40 05 23 23-0776 EA 16", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	4,505.12 486.09	729.14
40 05 23 23-0777 EA 18", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	5,825.85 619.17	928.75
40 05 23 23-0778 EA 20", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	8,349.26 814.70	1,222.04
40 05 23 23-0779 EA 24", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	13,096.69 1,237.24	1,855.85
<b>40 05 23 23-0780 Type 316, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 23-0685)</b>		
40 05 23 23-0781 EA 3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	120.92 32.32	48.48
40 05 23 23-0782 EA 1", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	133.66 35.22	52.83
40 05 23 23-0783 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	149.33 39.04	58.56
40 05 23 23-0784 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	155.34 42.55	63.83
40 05 23 23-0785 EA 2", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	168.60 46.99	70.48
40 05 23 23-0786 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	224.52 58.72	88.08
40 05 23 23-0787 EA 3", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	262.41 66.85	100.27
40 05 23 23-0788 EA 4", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	284.48 78.34	117.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0789 EA 6", Type 316, Schedule 10 Stainless Steel Concentric Reducer .....	400.24	149.59
<i>For Work In Restricted Working Space, Add</i>	99.73	
40 05 23 23-0790 EA 8", Type 316, Schedule 10 Stainless Steel Concentric Reducer .....	631.21	238.82
<i>For Work In Restricted Working Space, Add</i>	159.22	
40 05 23 23-0791 EA 10", Type 316, Schedule 10 Stainless Steel Concentric Reducer .....	821.14	298.53
<i>For Work In Restricted Working Space, Add</i>	199.02	
40 05 23 23-0792 EA 12", Type 316, Schedule 10 Stainless Steel Concentric Reducer .....	1,099.27	398.03
<i>For Work In Restricted Working Space, Add</i>	265.36	
40 05 23 23-0793 EA 14", Type 316, Schedule 10 Stainless Steel Concentric Reducer .....	1,577.07	522.43
<i>For Work In Restricted Working Space, Add</i>	348.28	
40 05 23 23-0794 EA 16", Type 316, Schedule 10 Stainless Steel Concentric Reducer .....	1,834.99	595.35
<i>For Work In Restricted Working Space, Add</i>	396.90	
40 05 23 23-0795 EA 18", Type 316, Schedule 10 Stainless Steel Concentric Reducer .....	2,268.95	746.31
<i>For Work In Restricted Working Space, Add</i>	497.54	
40 05 23 23-0796 EA 20", Type 316, Schedule 10 Stainless Steel Concentric Reducer .....	3,210.92	995.10
<i>For Work In Restricted Working Space, Add</i>	663.39	
40 05 23 23-0797 EA 24", Type 316, Schedule 10 Stainless Steel Concentric Reducer .....	4,657.27	1,492.64
<i>For Work In Restricted Working Space, Add</i>	995.09	
40 05 23 23-0798 EA 3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	144.77	48.48
<i>For Work In Restricted Working Space, Add</i>	32.32	
40 05 23 23-0799 EA 1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	161.99	52.83
<i>For Work In Restricted Working Space, Add</i>	35.22	
40 05 23 23-0800 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	182.92	58.56
<i>For Work In Restricted Working Space, Add</i>	39.04	
40 05 23 23-0801 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	194.62	63.83
<i>For Work In Restricted Working Space, Add</i>	42.55	
40 05 23 23-0802 EA 2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	192.84	70.48
<i>For Work In Restricted Working Space, Add</i>	46.99	
40 05 23 23-0803 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	258.02	88.08
<i>For Work In Restricted Working Space, Add</i>	58.72	
40 05 23 23-0804 EA 3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	296.78	100.27
<i>For Work In Restricted Working Space, Add</i>	66.85	
40 05 23 23-0805 EA 4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	331.08	117.50
<i>For Work In Restricted Working Space, Add</i>	78.34	
40 05 23 23-0806 EA 6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	480.33	149.59
<i>For Work In Restricted Working Space, Add</i>	99.73	
40 05 23 23-0807 EA 8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	804.76	238.82
<i>For Work In Restricted Working Space, Add</i>	159.22	
40 05 23 23-0808 EA 10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	1,120.04	298.53
<i>For Work In Restricted Working Space, Add</i>	199.02	
40 05 23 23-0809 EA 12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	1,409.42	398.03
<i>For Work In Restricted Working Space, Add</i>	265.36	
40 05 23 23-0810 EA 14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	2,165.25	522.43
<i>For Work In Restricted Working Space, Add</i>	348.28	
40 05 23 23-0811 EA 16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	2,545.89	595.35
<i>For Work In Restricted Working Space, Add</i>	396.90	
40 05 23 23-0812 EA 18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	3,152.19	746.31
<i>For Work In Restricted Working Space, Add</i>	497.54	
40 05 23 23-0813 EA 20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	4,623.49	995.10
<i>For Work In Restricted Working Space, Add</i>	663.39	
40 05 23 23-0814 EA 24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	6,334.81	1,492.64
<i>For Work In Restricted Working Space, Add</i>	995.09	
<b>40 05 23 23-0815 Type 316, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 23-0685)</b>		
40 05 23 23-0816 EA 1/2", Type 316, Schedule 10 Stainless Steel Cap .....	69.29	25.10
<i>For Work In Restricted Working Space, Add</i>	16.74	
40 05 23 23-0817 EA 3/4", Type 316, Schedule 10 Stainless Steel Cap .....	77.31	26.64
<i>For Work In Restricted Working Space, Add</i>	17.76	
40 05 23 23-0818 EA 1", Type 316, Schedule 10 Stainless Steel Cap .....	84.71	29.29
<i>For Work In Restricted Working Space, Add</i>	19.52	
40 05 23 23-0819 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Cap .....	92.67	31.92
<i>For Work In Restricted Working Space, Add</i>	21.27	
40 05 23 23-0820 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Cap .....	99.80	35.24
<i>For Work In Restricted Working Space, Add</i>	23.50	
40 05 23 23-0821 EA 2", Type 316, Schedule 10 Stainless Steel Cap .....	104.01	39.20
<i>For Work In Restricted Working Space, Add</i>	26.14	
40 05 23 23-0822 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Cap .....	129.37	50.18
<i>For Work In Restricted Working Space, Add</i>	33.46	
40 05 23 23-0823 EA 3", Type 316, Schedule 10 Stainless Steel Cap .....	153.41	58.82
<i>For Work In Restricted Working Space, Add</i>	39.21	
40 05 23 23-0824 EA 4", Type 316, Schedule 10 Stainless Steel Cap .....	183.75	70.39
<i>For Work In Restricted Working Space, Add</i>	46.93	
40 05 23 23-0825 EA 6", Type 316, Schedule 10 Stainless Steel Cap .....	241.14	88.08
<i>For Work In Restricted Working Space, Add</i>	58.72	
40 05 23 23-0826 EA 8", Type 316, Schedule 10 Stainless Steel Cap .....	413.22	149.26
<i>For Work In Restricted Working Space, Add</i>	99.51	
40 05 23 23-0827 EA 10", Type 316, Schedule 10 Stainless Steel Cap .....	547.81	199.02
<i>For Work In Restricted Working Space, Add</i>	132.68	
40 05 23 23-0828 EA 12", Type 316, Schedule 10 Stainless Steel Cap .....	804.84	298.52
<i>For Work In Restricted Working Space, Add</i>	199.02	
40 05 23 23-0829 EA 14", Type 316, Schedule 10 Stainless Steel Cap .....	935.70	348.28
<i>For Work In Restricted Working Space, Add</i>	232.19	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0830	EA		16", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,077.05 264.86	397.28
40 05 23 23-0831	EA		18", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,358.62 331.70	497.54
40 05 23 23-0832	EA		20", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,879.71 464.38	696.56
40 05 23 23-0833	EA		24", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	2,861.77 663.39	995.08
<b>40 05 23 23-0834</b>			<b>Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings</b> (40 05 23 23-0231)		
<b>40 05 23 23-0835</b>			<b>Type 316, Schedule 40 Stainless Steel Pipe</b> (40 05 23 23-0834)		
40 05 23 23-0836	LF		1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	25.66 2.64	4.40
40 05 23 23-0837	LF		3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	31.13 3.23	5.38
40 05 23 23-0838	LF		1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	38.49 3.79	6.36
40 05 23 23-0839	LF		1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	48.11 4.74	7.83
40 05 23 23-0840	LF		1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	55.65 5.34	8.81
40 05 23 23-0841	LF		2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	71.77 6.61	11.26
40 05 23 23-0842	LF		2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	90.38 7.56	12.72
40 05 23 23-0843	LF		3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	85.76 8.51	14.19
40 05 23 23-0844	LF		4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	149.65 10.07	16.64
40 05 23 23-0845	LF		6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	238.00 13.22	22.02
40 05 23 23-0846	LF		8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	416.87 25.33	39.21
40 05 23 23-0847	LF		10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	536.13 27.86	43.34
40 05 23 23-0848	LF		12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	675.73 30.96	47.99
<b>40 05 23 23-0849</b>			<b>Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows</b> (40 05 23 23-0634)		
40 05 23 23-0850	EA		1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	119.84 33.47	50.20
40 05 23 23-0851	EA		3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	126.71 35.53	53.29
40 05 23 23-0852	EA		1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	139.65 39.04	58.56
40 05 23 23-0853	EA		1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	152.11 42.55	63.83
40 05 23 23-0854	EA		1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	167.68 46.99	70.48
40 05 23 23-0855	EA		2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	189.61 52.28	78.42
40 05 23 23-0856	EA		2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	254.64 66.91	100.36
40 05 23 23-0857	EA		3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	302.52 78.42	117.63
40 05 23 23-0858	EA		4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	388.35 93.86	140.79
40 05 23 23-0859	EA		6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	621.59 117.26	175.88
40 05 23 23-0860	EA		8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,097.16 199.02	298.53
40 05 23 23-0861	EA		10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,831.94 265.36	398.03
40 05 23 23-0862	EA		12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,598.65 398.04	597.06
40 05 23 23-0863	EA		14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,893.62 464.38	696.56
40 05 23 23-0864	EA		16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,533.41 529.70	794.56
40 05 23 23-0865	EA		18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,519.55 663.39	995.10
40 05 23 23-0866	EA		20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	6,083.02 928.75	1,393.12
40 05 23 23-0867	EA		24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	8,842.02 1,326.79	1,990.18
<b>40 05 23 23-0868</b>			<b>Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows</b> (40 05 23 23-0634)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0869 EA 1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	122.91 33.47	50.20
40 05 23 23-0870 EA 3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	129.78 35.53	53.29
40 05 23 23-0871 EA 1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	141.49 39.04	58.56
40 05 23 23-0872 EA 1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	153.00 42.55	63.83
40 05 23 23-0873 EA 1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	169.52 46.99	70.48
40 05 23 23-0874 EA 2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	189.61 52.28	78.42
40 05 23 23-0875 EA 2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	254.64 66.91	100.36
40 05 23 23-0876 EA 3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	290.55 78.42	117.63
40 05 23 23-0877 EA 4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	365.65 93.86	140.79
40 05 23 23-0878 EA 6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	528.31 117.26	175.88
40 05 23 23-0879 EA 8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	932.81 199.02	298.53
40 05 23 23-0880 EA 10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,453.19 265.36	398.03
40 05 23 23-0881 EA 12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,091.62 398.04	597.06
40 05 23 23-0882 EA 14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,368.85 464.38	696.56
40 05 23 23-0883 EA 16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,672.48 529.70	794.56
40 05 23 23-0884 EA 18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,447.75 663.39	995.10
40 05 23 23-0885 EA 20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,669.20 928.75	1,393.12
40 05 23 23-0886 EA 24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	6,953.92 1,326.79	1,990.18
<b>40 05 23 23-0887 Type 316, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 23-0834)</b>		
40 05 23 23-0888 EA 1/2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	164.51 42.54	63.81
40 05 23 23-0889 EA 3/4", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	196.78 52.22	78.33
40 05 23 23-0890 EA 1", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	218.29 58.67	88.01
40 05 23 23-0891 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	251.83 66.91	100.36
40 05 23 23-0892 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	262.12 71.82	107.73
40 05 23 23-0893 EA 2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	285.67 78.34	117.50
40 05 23 23-0894 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	358.17 93.86	140.79
40 05 23 23-0895 EA 3", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	441.19 117.63	176.45
40 05 23 23-0896 EA 4", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	513.69 132.02	198.03
40 05 23 23-0897 EA 6", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	830.68 176.02	264.03
40 05 23 23-0898 EA 8", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,485.65 265.36	398.03
40 05 23 23-0899 EA 10", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,529.39 398.04	597.06
40 05 23 23-0900 EA 12", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,105.64 497.54	746.31
40 05 23 23-0901 EA 14", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,517.33 597.91	896.87
40 05 23 23-0902 EA 16", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	5,604.15 729.39	1,094.08
40 05 23 23-0903 EA 18", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	7,268.22 928.75	1,393.12
40 05 23 23-0904 EA 20", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	9,433.64 1,222.04	1,833.06
40 05 23 23-0905 EA 24", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	13,450.99 1,857.50	2,786.25
<b>40 05 23 23-0906 Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0834)</b>		
40 05 23 23-0907 EA 3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	163.88 35.54	53.31
40 05 23 23-0908 EA 1", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	190.57 43.55	65.33
40 05 23 23-0909 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	256.39 48.93	73.40

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0910 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	242.72 55.79	83.67
40 05 23 23-0911 EA 2", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	247.07 59.95	89.92
40 05 23 23-0912 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	351.85 65.33	97.99
40 05 23 23-0913 EA 3", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	342.02 78.30	117.45
40 05 23 23-0914 EA 4", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	462.15 97.87	146.80
40 05 23 23-0915 EA 6", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	664.25 111.83	167.74
40 05 23 23-0916 EA 8", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,153.96 165.85	248.77
40 05 23 23-0917 EA 10", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,510.37 221.13	331.70
40 05 23 23-0918 EA 12", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,286.50 331.70	497.54
40 05 23 23-0919 EA 14", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,721.22 398.49	597.74
40 05 23 23-0920 EA 16", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,617.14 486.09	729.14
40 05 23 23-0921 EA 18", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	5,971.93 619.17	928.75
40 05 23 23-0922 EA 20", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	8,568.03 814.70	1,222.04
40 05 23 23-0923 EA 24", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	13,445.12 1,237.24	1,855.85
<b>40 05 23 23-0924 Type 316, Schedule 40 Stainless Steel Butt Weld Reducers (40 05 23 23-0834)</b>		
40 05 23 23-0925 EA 3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	125.83 32.32	48.48
40 05 23 23-0926 EA 1", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	138.57 35.22	52.83
40 05 23 23-0927 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	151.56 39.04	58.56
40 05 23 23-0928 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	160.86 42.55	63.83
40 05 23 23-0929 EA 2", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	171.97 46.99	70.48
40 05 23 23-0930 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	235.31 58.72	88.08
40 05 23 23-0931 EA 3", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	250.45 66.85	100.27
40 05 23 23-0932 EA 4", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	288.74 78.34	117.50
40 05 23 23-0933 EA 6", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	402.39 99.73	149.59
40 05 23 23-0934 EA 8", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	695.42 159.22	238.82
40 05 23 23-0935 EA 10", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	942.10 199.02	298.53
40 05 23 23-0936 EA 12", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,186.08 265.36	398.03
40 05 23 23-0937 EA 14", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,742.44 348.28	522.43
40 05 23 23-0938 EA 16", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,011.00 396.90	595.35
40 05 23 23-0939 EA 18", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,708.58 497.54	746.31
40 05 23 23-0940 EA 20", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,681.18 663.39	995.10
40 05 23 23-0941 EA 24", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	5,251.07 995.09	1,492.64
40 05 23 23-0942 EA 3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	160.51 32.32	48.48
40 05 23 23-0943 EA 1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	170.18 35.22	52.83
40 05 23 23-0944 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	198.87 39.04	58.56
40 05 23 23-0945 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	204.13 42.55	63.83
40 05 23 23-0946 EA 2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	218.00 46.99	70.48
40 05 23 23-0947 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	258.02 58.72	88.08
40 05 23 23-0948 EA 3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	339.12 66.85	100.27
40 05 23 23-0949 EA 4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	364.83 78.34	117.50
40 05 23 23-0950 EA 6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	527.27 99.73	149.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0951 EA 8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	788.87	238.82
<i>For Work In Restricted Working Space, Add</i>	159.22	
40 05 23 23-0952 EA 10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	1,147.54	298.53
<i>For Work In Restricted Working Space, Add</i>	199.02	
40 05 23 23-0953 EA 12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	1,597.00	398.03
<i>For Work In Restricted Working Space, Add</i>	265.36	
40 05 23 23-0954 EA 14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	2,432.82	522.43
<i>For Work In Restricted Working Space, Add</i>	348.28	
40 05 23 23-0955 EA 16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	2,805.77	595.35
<i>For Work In Restricted Working Space, Add</i>	396.90	
40 05 23 23-0956 EA 18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	3,795.04	746.31
<i>For Work In Restricted Working Space, Add</i>	497.54	
40 05 23 23-0957 EA 20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	4,863.24	995.10
<i>For Work In Restricted Working Space, Add</i>	663.39	
40 05 23 23-0958 EA 24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	7,290.45	1,492.64
<i>For Work In Restricted Working Space, Add</i>	995.09	
<b>40 05 23 23-0959 Type 316, Schedule 40 Stainless Steel Butt Weld Caps</b> (40 05 23 23-0834)		
40 05 23 23-0960 EA 1/2", Type 316, Schedule 40 Stainless Steel Cap .....	69.90	25.10
<i>For Work In Restricted Working Space, Add</i>	16.74	
40 05 23 23-0961 EA 3/4", Type 316, Schedule 40 Stainless Steel Cap .....	77.01	26.64
<i>For Work In Restricted Working Space, Add</i>	17.76	
40 05 23 23-0962 EA 1", Type 316, Schedule 40 Stainless Steel Cap .....	85.32	29.29
<i>For Work In Restricted Working Space, Add</i>	19.52	
40 05 23 23-0963 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Cap .....	98.36	31.92
<i>For Work In Restricted Working Space, Add</i>	21.27	
40 05 23 23-0964 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Cap .....	95.20	35.24
<i>For Work In Restricted Working Space, Add</i>	23.50	
40 05 23 23-0965 EA 2", Type 316, Schedule 40 Stainless Steel Cap .....	108.30	39.20
<i>For Work In Restricted Working Space, Add</i>	26.14	
40 05 23 23-0966 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Cap .....	134.95	50.18
<i>For Work In Restricted Working Space, Add</i>	33.46	
40 05 23 23-0967 EA 3", Type 316, Schedule 40 Stainless Steel Cap .....	154.33	58.82
<i>For Work In Restricted Working Space, Add</i>	39.21	
40 05 23 23-0968 EA 4", Type 316, Schedule 40 Stainless Steel Cap .....	190.50	70.39
<i>For Work In Restricted Working Space, Add</i>	46.93	
40 05 23 23-0969 EA 6", Type 316, Schedule 40 Stainless Steel Cap .....	269.37	88.08
<i>For Work In Restricted Working Space, Add</i>	58.72	
40 05 23 23-0970 EA 8", Type 316, Schedule 40 Stainless Steel Cap .....	466.25	149.26
<i>For Work In Restricted Working Space, Add</i>	99.51	
40 05 23 23-0971 EA 10", Type 316, Schedule 40 Stainless Steel Cap .....	625.85	199.02
<i>For Work In Restricted Working Space, Add</i>	132.68	
40 05 23 23-0972 EA 12", Type 316, Schedule 40 Stainless Steel Cap .....	932.47	298.52
<i>For Work In Restricted Working Space, Add</i>	199.02	
40 05 23 23-0973 EA 14", Type 316, Schedule 40 Stainless Steel Cap .....	1,059.38	348.28
<i>For Work In Restricted Working Space, Add</i>	232.19	
40 05 23 23-0974 EA 16", Type 316, Schedule 40 Stainless Steel Cap .....	1,187.83	397.28
<i>For Work In Restricted Working Space, Add</i>	264.86	
40 05 23 23-0975 EA 18", Type 316, Schedule 40 Stainless Steel Cap .....	1,520.84	497.54
<i>For Work In Restricted Working Space, Add</i>	331.70	
40 05 23 23-0976 EA 20", Type 316, Schedule 40 Stainless Steel Cap .....	2,083.92	696.56
<i>For Work In Restricted Working Space, Add</i>	464.38	
40 05 23 23-0977 EA 24", Type 316, Schedule 40 Stainless Steel Cap .....	3,259.46	995.08
<i>For Work In Restricted Working Space, Add</i>	663.39	
<b>40 05 23 23-0978 Valves</b> (40 05 23 23-0231)		
<b>40 05 23 23-0979 Gate Valves, Class 150</b> (40 05 23 23-0978)		
40 05 23 23-0980 EA 1/2" Gate Valve, Stainless Steel, Flanged.....	515.06	50.27
<i>For Work In Restricted Working Space, Add</i>	18.85	
<i>For Class 200, Deduct</i>	-120.97	
<i>For Class 300, Add</i>	425.09	
40 05 23 23-0981 EA 3/4" Gate Valve, Stainless Steel, Flanged.....	560.10	52.37
<i>For Work In Restricted Working Space, Add</i>	22.00	
<i>For Class 200, Deduct</i>	-130.21	
<i>For Class 300, Add</i>	457.57	
40 05 23 23-0982 EA 1" Gate Valve, Stainless Steel, Flanged.....	691.08	78.56
<i>For Work In Restricted Working Space, Add</i>	29.64	
<i>For Class 200, Deduct</i>	-158.43	
<i>For Class 300, Add</i>	556.73	
40 05 23 23-0983 EA 1-1/4" Gate Valve, Stainless Steel, Flanged.....	870.33	91.65
<i>For Work In Restricted Working Space, Add</i>	34.16	
<i>For Class 200, Deduct</i>	-202.36	
<i>For Class 300, Add</i>	711.09	
40 05 23 23-0984 EA 1-1/2" Gate Valve, Stainless Steel, Flanged.....	982.79	115.37
<i>For Work In Restricted Working Space, Add</i>	43.26	
<i>For Class 200, Deduct</i>	-224.32	
<i>For Class 300, Add</i>	788.27	
40 05 23 23-0985 EA 2" Gate Valve, Stainless Steel, Flanged.....	1,166.97	139.63
<i>For Work In Restricted Working Space, Add</i>	52.37	
<i>For Class 200, Deduct</i>	-265.46	
<i>For Class 300, Add</i>	932.85	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0986 EA 2-1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,671.01 57.13 1,391.74	151.88
40 05 23 23-0987 EA 3" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,882.84 66.86 1,560.38	178.07
40 05 23 23-0988 EA 4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,497.60 112.23 1,996.10	298.52
40 05 23 23-0989 EA 6" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,164.21 141.91 3,469.70	377.08
40 05 23 23-0990 EA 8" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	9,045.39 179.56 7,940.04	481.82
40 05 23 23-0991 EA 10" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	12,737.88 219.96 11,284.39	586.57
40 05 23 23-0992 EA 12" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	19,158.39 266.62 17,173.47	712.26
<b>40 05 23 23-0993 Globe Valves, Class 150</b> (40 05 23 23-0978)		
40 05 23 23-0994 EA 1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	701.66 18.85 -170.88 600.49	50.27
40 05 23 23-0995 EA 3/4" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	776.95 22.00 -188.22 661.41	52.37
40 05 23 23-0996 EA 1" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	969.08 29.64 -232.80 818.05	78.56
40 05 23 23-0997 EA 1-1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,440.37 43.26 -346.72 1,218.39	115.37
40 05 23 23-0998 EA 2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,757.75 52.37 -423.50 1,488.18	139.63
40 05 23 23-0999 EA 2-1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,523.44 57.13 3,133.02	151.88
40 05 23 23-1000 EA 3" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,648.44 66.86 3,220.05	178.07
40 05 23 23-1001 EA 4" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,355.16 112.23 3,742.21	298.52
40 05 23 23-1002 EA 6" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	8,018.56 141.91 7,092.79	377.08
<b>40 05 23 23-1003 Check Valves, Class 150</b> (40 05 23 23-0978)		
40 05 23 23-1004 EA 2-1/2" Check Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,599.96 57.13 1,324.95	151.88
40 05 23 23-1005 EA 3" Check Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,676.33 66.86 1,366.26	178.07
40 05 23 23-1006 EA 4" Check Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,636.12 112.23 2,126.31	298.52
40 05 23 23-1007 EA 6" Check Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,515.82 141.91 3,800.21	377.08
40 05 23 23-1008 EA 8" Check Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	7,914.05 179.56 6,876.58	481.82
<b>40 05 23 23-1009 Stainless Steel Thread-O-Let Fittings</b> (40 05 23 23-0231)		
40 05 23 23-1010 EA 1/2", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	82.40 20.27	30.40
40 05 23 23-1011 EA 3/4", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	108.63 27.03	40.54
40 05 23 23-1012 EA 1", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	133.79 33.52	50.27





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1013 EA 1-1/4", Stainless Steel Thread-o-let Fitting .....	192.33	71.14
<i>For Work In Restricted Working Space, Add</i>	47.43	
40 05 23 23-1014 EA 1-1/2", Stainless Steel Thread-o-let Fitting .....	212.52	80.23
<i>For Work In Restricted Working Space, Add</i>	53.49	
40 05 23 23-1015 EA 2", Stainless Steel Thread-o-let Fitting.....	265.45	101.92
<i>For Work In Restricted Working Space, Add</i>	67.94	
40 05 23 23-1016 EA 2-1/2", Stainless Steel Thread-o-let Fitting .....	479.88	157.12
<i>For Work In Restricted Working Space, Add</i>	104.75	
40 05 23 23-1017 EA 3", Stainless Steel Thread-o-let Fitting.....	645.03	200.58
<i>For Work In Restricted Working Space, Add</i>	133.72	
40 05 23 23-1018 EA 4", Stainless Steel Thread-o-let Fitting.....	853.44	251.38
<i>For Work In Restricted Working Space, Add</i>	167.59	
<b>40 05 23 23-1019 Stainless Steel Flanges</b> <small>(40 05 23 23-0231)</small>		
<b>40 05 23 23-1020 150#, Type 304 Stainless Steel Raised Face Threaded Flange</b> <small>(40 05 23 23-1019)</small>		
40 05 23 23-1021 EA 1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange.....	80.84	16.90
<i>For Work In Restricted Working Space, Add</i>	10.14	
40 05 23 23-1022 EA 3/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange.....	97.33	22.53
<i>For Work In Restricted Working Space, Add</i>	13.52	
40 05 23 23-1023 EA 1", 150#, Type 304 Stainless Steel Raised Face Threaded Flange.....	114.42	27.93
<i>For Work In Restricted Working Space, Add</i>	16.76	
40 05 23 23-1024 EA 1-1/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange.....	153.29	39.53
<i>For Work In Restricted Working Space, Add</i>	23.72	
40 05 23 23-1025 EA 1-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange.....	163.38	44.57
<i>For Work In Restricted Working Space, Add</i>	26.74	
40 05 23 23-1026 EA 2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange.....	210.50	56.61
<i>For Work In Restricted Working Space, Add</i>	33.97	
40 05 23 23-1027 EA 2-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange.....	310.50	87.25
<i>For Work In Restricted Working Space, Add</i>	52.37	
40 05 23 23-1028 EA 3", 150#, Type 304 Stainless Steel Raised Face Threaded Flange.....	365.06	178.07
<i>For Work In Restricted Working Space, Add</i>	66.86	
40 05 23 23-1029 EA 4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange.....	473.79	139.63
<i>For Work In Restricted Working Space, Add</i>	83.80	
<b>40 05 23 23-1030 300#, Type 304 Stainless Steel Raised Face Threaded Flange</b> <small>(40 05 23 23-1019)</small>		
40 05 23 23-1031 EA 1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange.....	108.03	16.90
<i>For Work In Restricted Working Space, Add</i>	10.14	
40 05 23 23-1032 EA 3/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange.....	119.29	22.53
<i>For Work In Restricted Working Space, Add</i>	13.52	
40 05 23 23-1033 EA 1", 300#, Type 304 Stainless Steel Raised Face Threaded Flange.....	130.10	27.93
<i>For Work In Restricted Working Space, Add</i>	16.76	
40 05 23 23-1034 EA 1-1/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange.....	193.05	39.53
<i>For Work In Restricted Working Space, Add</i>	23.72	
40 05 23 23-1035 EA 1-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange.....	203.14	44.57
<i>For Work In Restricted Working Space, Add</i>	26.74	
40 05 23 23-1036 EA 2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange.....	251.27	56.61
<i>For Work In Restricted Working Space, Add</i>	33.97	
40 05 23 23-1037 EA 2-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange.....	401.48	87.25
<i>For Work In Restricted Working Space, Add</i>	52.37	
40 05 23 23-1038 EA 3", 300#, Type 304 Stainless Steel Raised Face Threaded Flange.....	458.10	178.07
<i>For Work In Restricted Working Space, Add</i>	66.86	
40 05 23 23-1039 EA 4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange.....	617.05	139.63
<i>For Work In Restricted Working Space, Add</i>	83.80	
<b>40 05 23 23-1040 150#, Type 304 Stainless Steel Raised Face Weld Neck Flange</b> <small>(40 05 23 23-1019)</small>		
40 05 23 23-1041 EA 1/2", 150#, Type 304 Stainless Steel Weld Neck Flange.....	102.84	25.09
<i>For Work In Restricted Working Space, Add</i>	16.74	
40 05 23 23-1042 EA 3/4", 150#, Type 304 Stainless Steel Weld Neck Flange.....	111.49	26.64
<i>For Work In Restricted Working Space, Add</i>	17.76	
40 05 23 23-1043 EA 1", 150#, Type 304 Stainless Steel Weld Neck Flange.....	125.70	29.29
<i>For Work In Restricted Working Space, Add</i>	19.52	
40 05 23 23-1044 EA 1-1/4", 150#, Type 304 Stainless Steel Weld Neck Flange.....	157.80	31.94
<i>For Work In Restricted Working Space, Add</i>	21.30	
40 05 23 23-1045 EA 1-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange.....	165.05	35.20
<i>For Work In Restricted Working Space, Add</i>	23.47	
40 05 23 23-1046 EA 2", 150#, Type 304 Stainless Steel Weld Neck Flange.....	183.36	39.21
<i>For Work In Restricted Working Space, Add</i>	26.15	
40 05 23 23-1047 EA 2-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange.....	256.82	50.15
<i>For Work In Restricted Working Space, Add</i>	33.44	
40 05 23 23-1048 EA 3", 150#, Type 304 Stainless Steel Weld Neck Flange.....	289.42	58.72
<i>For Work In Restricted Working Space, Add</i>	39.14	
40 05 23 23-1049 EA 4", 150#, Type 304 Stainless Steel Weld Neck Flange.....	378.01	70.35
<i>For Work In Restricted Working Space, Add</i>	46.90	
40 05 23 23-1050 EA 6", 150#, Type 304 Stainless Steel Weld Neck Flange.....	578.01	87.90
<i>For Work In Restricted Working Space, Add</i>	58.60	
40 05 23 23-1051 EA 8", 150#, Type 304 Stainless Steel Weld Neck Flange.....	979.91	149.26
<i>For Work In Restricted Working Space, Add</i>	99.51	
40 05 23 23-1052 EA 10", 150#, Type 304 Stainless Steel Weld Neck Flange.....	1,398.90	199.01
<i>For Work In Restricted Working Space, Add</i>	132.68	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1053	EA	12"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	2,156.35 199.02	298.52
40 05 23 23-1054	EA	14"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	2,714.07 232.19	348.28
40 05 23 23-1055	EA	16"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	3,414.56 264.86	397.28
40 05 23 23-1056	EA	18"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	4,181.14 331.70	497.54
40 05 23 23-1057	EA	20"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	5,379.52 464.38	696.56
40 05 23 23-1058	EA	24"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	7,641.03 663.39	995.08
<b>40 05 23 23-1059</b>			<b>300#, Type 304 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)</b>		
40 05 23 23-1060	EA	1/2"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	135.26 16.74	25.09
40 05 23 23-1061	EA	3/4"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	138.68 17.76	26.64
40 05 23 23-1062	EA	1"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	144.55 19.52	29.29
40 05 23 23-1063	EA	1-1/4"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	194.34 21.30	31.94
40 05 23 23-1064	EA	1-1/2"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	201.59 23.47	35.20
40 05 23 23-1065	EA	2"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	214.72 26.15	39.21
40 05 23 23-1066	EA	2-1/2"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	311.15 33.44	50.15
40 05 23 23-1067	EA	3"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	350.04 39.14	58.72
40 05 23 23-1068	EA	4"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	520.15 46.90	70.35
40 05 23 23-1069	EA	6"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	739.00 58.60	87.90
40 05 23 23-1070	EA	8"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,381.38 99.51	149.26
40 05 23 23-1071	EA	10"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,928.99 132.68	199.01
40 05 23 23-1072	EA	12"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	2,829.70 199.02	298.52
40 05 23 23-1073	EA	14"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	3,778.49 232.19	348.28
40 05 23 23-1074	EA	16"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	4,687.48 264.86	397.28
40 05 23 23-1075	EA	18"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	5,993.75 331.70	497.54
40 05 23 23-1076	EA	20"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	7,698.67 464.38	696.56
40 05 23 23-1077	EA	24"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	11,222.83 663.39	995.08
<b>40 05 23 23-1078</b>			<b>150#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)</b>		
40 05 23 23-1079	EA	1/2"	150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	153.38 33.47	50.19
40 05 23 23-1080	EA	3/4"	150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	161.31 35.53	53.28
40 05 23 23-1081	EA	1"	150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	177.20 39.05	58.56
40 05 23 23-1082	EA	1-1/4"	150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	205.75 42.59	63.87
40 05 23 23-1083	EA	1-1/2"	150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	220.26 46.94	70.40
40 05 23 23-1084	EA	2"	150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	256.95 52.29	78.43
40 05 23 23-1085	EA	2-1/2"	150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	338.95 66.87	100.29
40 05 23 23-1086	EA	3"	150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	385.42 78.29	117.42
40 05 23 23-1087	EA	4"	150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	482.07 93.80	140.70
40 05 23 23-1088	EA	6"	150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	648.92 117.20	175.79
40 05 23 23-1089	EA	8"	150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,151.66 199.02	298.52
40 05 23 23-1090	EA	10"	150#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,642.51 265.36	398.03
40 05 23 23-1091	EA	12"	150#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	2,446.54 398.04	597.05
<b>40 05 23 23-1092</b>			<b>300#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1093 EA 1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	174.29 33.47	50.19
40 05 23 23-1094 EA 3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	181.16 35.53	53.28
40 05 23 23-1095 EA 1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	192.88 39.05	58.56
40 05 23 23-1096 EA 1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	238.17 42.59	63.87
40 05 23 23-1097 EA 1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	252.68 46.94	70.40
40 05 23 23-1098 EA 2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	278.86 52.29	78.43
40 05 23 23-1099 EA 2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	420.53 66.87	100.29
40 05 23 23-1100 EA 3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	466.95 78.29	117.42
40 05 23 23-1101 EA 4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	594.97 93.80	140.70
40 05 23 23-1102 EA 6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	967.80 117.20	175.79
40 05 23 23-1103 EA 8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,473.66 199.02	298.52
40 05 23 23-1104 EA 10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	2,161.09 265.36	398.03
40 05 23 23-1105 EA 12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	3,113.60 398.04	597.05
<b>40 05 23 23-1106 150#, Type 304 Stainless Steel Blind Flanges</b> <small>(40 05 23 23-1019)</small>		
40 05 23 23-1107 EA 1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	66.94 6.70	10.03
40 05 23 23-1108 EA 3/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	69.68 7.11	10.65
40 05 23 23-1109 EA 1", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	75.19 7.81	11.71
40 05 23 23-1110 EA 1-1/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	99.04 8.69	13.04
40 05 23 23-1111 EA 1-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	109.22 11.75	17.62
40 05 23 23-1112 EA 2", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	130.26 13.04	19.55
40 05 23 23-1113 EA 2-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	179.23 16.76	25.14
40 05 23 23-1114 EA 3", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	214.21 23.49	35.23
40 05 23 23-1115 EA 4", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	320.76 39.14	58.71
40 05 23 23-1116 EA 6", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	445.87 50.33	75.49
40 05 23 23-1117 EA 8", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	715.57 61.92	92.88
40 05 23 23-1118 EA 10", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	1,132.18 74.30	111.45
40 05 23 23-1119 EA 12", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	1,506.69 92.88	139.31
40 05 23 23-1120 EA 14", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	1,918.36 116.09	174.15
40 05 23 23-1121 EA 16", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	2,501.62 132.43	198.64
40 05 23 23-1122 EA 18", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	2,943.55 165.85	248.77
40 05 23 23-1123 EA 20", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	3,891.80 232.19	348.28
40 05 23 23-1124 EA 24", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	5,677.74 331.70	497.54
<b>40 05 23 23-1125 300#, Type 304 Stainless Steel Blind Flanges</b> <small>(40 05 23 23-1019)</small>		
40 05 23 23-1126 EA 1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	88.22 6.70	10.03
40 05 23 23-1127 EA 3/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	89.59 7.11	10.65
40 05 23 23-1128 EA 1", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	91.93 7.81	11.71
40 05 23 23-1129 EA 1-1/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	118.89 8.69	13.04
40 05 23 23-1130 EA 1-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	129.07 11.75	17.62
40 05 23 23-1131 EA 2", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	140.71 13.04	19.55
40 05 23 23-1132 EA 2-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	252.41 16.76	25.14
40 05 23 23-1133 EA 3", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	282.69 23.49	35.23

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1134 EA 4", 300#, Type 304 Stainless Steel Raised Face Blind Flange .....	406.46	58.71
<i>For Work In Restricted Working Space, Add</i>	39.14	
40 05 23 23-1135 EA 6", 300#, Type 304 Stainless Steel Raised Face Blind Flange .....	799.22	75.49
<i>For Work In Restricted Working Space, Add</i>	50.33	
40 05 23 23-1136 EA 8", 300#, Type 304 Stainless Steel Raised Face Blind Flange .....	1,137.95	92.88
<i>For Work In Restricted Working Space, Add</i>	61.92	
40 05 23 23-1137 EA 10", 300#, Type 304 Stainless Steel Raised Face Blind Flange .....	1,646.53	111.45
<i>For Work In Restricted Working Space, Add</i>	74.30	
40 05 23 23-1138 EA 12", 300#, Type 304 Stainless Steel Raised Face Blind Flange .....	2,296.05	139.31
<i>For Work In Restricted Working Space, Add</i>	92.88	
40 05 23 23-1139 EA 14", 300#, Type 304 Stainless Steel Raised Face Blind Flange .....	3,234.92	174.15
<i>For Work In Restricted Working Space, Add</i>	116.09	
40 05 23 23-1140 EA 16", 300#, Type 304 Stainless Steel Raised Face Blind Flange .....	4,163.83	198.64
<i>For Work In Restricted Working Space, Add</i>	132.43	
40 05 23 23-1141 EA 18", 300#, Type 304 Stainless Steel Raised Face Blind Flange .....	5,445.14	248.77
<i>For Work In Restricted Working Space, Add</i>	165.85	
40 05 23 23-1142 EA 20", 300#, Type 304 Stainless Steel Raised Face Blind Flange .....	6,859.80	348.28
<i>For Work In Restricted Working Space, Add</i>	232.19	
40 05 23 23-1143 EA 24", 300#, Type 304 Stainless Steel Raised Face Blind Flange .....	10,559.38	497.54
<i>For Work In Restricted Working Space, Add</i>	331.70	
<b>40 05 23 23-1144 150#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)</b>		
40 05 23 23-1145 EA 1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange .....	99.69	16.90
<i>For Work In Restricted Working Space, Add</i>	10.14	
40 05 23 23-1146 EA 3/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange .....	121.40	22.53
<i>For Work In Restricted Working Space, Add</i>	13.52	
40 05 23 23-1147 EA 1", 150#, Type 316 Stainless Steel Raised Face Threaded Flange .....	137.39	27.93
<i>For Work In Restricted Working Space, Add</i>	16.76	
40 05 23 23-1148 EA 1-1/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange .....	187.77	39.53
<i>For Work In Restricted Working Space, Add</i>	23.72	
40 05 23 23-1149 EA 1-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange .....	197.86	44.57
<i>For Work In Restricted Working Space, Add</i>	26.74	
40 05 23 23-1150 EA 2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange .....	248.15	56.61
<i>For Work In Restricted Working Space, Add</i>	33.97	
40 05 23 23-1151 EA 2-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange .....	364.88	87.25
<i>For Work In Restricted Working Space, Add</i>	52.37	
40 05 23 23-1152 EA 3", 150#, Type 316 Stainless Steel Raised Face Threaded Flange .....	435.13	178.07
<i>For Work In Restricted Working Space, Add</i>	66.86	
40 05 23 23-1153 EA 4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange .....	572.06	139.63
<i>For Work In Restricted Working Space, Add</i>	83.80	
<b>40 05 23 23-1154 300#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)</b>		
40 05 23 23-1155 EA 1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange .....	135.23	16.90
<i>For Work In Restricted Working Space, Add</i>	10.14	
40 05 23 23-1156 EA 3/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange .....	146.49	22.53
<i>For Work In Restricted Working Space, Add</i>	13.52	
40 05 23 23-1157 EA 1", 300#, Type 316 Stainless Steel Raised Face Threaded Flange .....	157.30	27.93
<i>For Work In Restricted Working Space, Add</i>	16.76	
40 05 23 23-1158 EA 1-1/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange .....	245.33	39.53
<i>For Work In Restricted Working Space, Add</i>	23.72	
40 05 23 23-1159 EA 1-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange .....	255.42	44.57
<i>For Work In Restricted Working Space, Add</i>	26.74	
40 05 23 23-1160 EA 2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange .....	297.26	56.61
<i>For Work In Restricted Working Space, Add</i>	33.97	
40 05 23 23-1161 EA 2-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange .....	504.97	87.25
<i>For Work In Restricted Working Space, Add</i>	52.37	
40 05 23 23-1162 EA 3", 300#, Type 316 Stainless Steel Raised Face Threaded Flange .....	563.71	178.07
<i>For Work In Restricted Working Space, Add</i>	66.86	
40 05 23 23-1163 EA 4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange .....	785.33	139.63
<i>For Work In Restricted Working Space, Add</i>	83.80	
<b>40 05 23 23-1164 150#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)</b>		
40 05 23 23-1165 EA 1/2", 150#, Type 316 Stainless Steel Weld Neck Flange .....	126.86	25.09
<i>For Work In Restricted Working Space, Add</i>	16.74	
40 05 23 23-1166 EA 3/4", 150#, Type 316 Stainless Steel Weld Neck Flange .....	135.56	26.64
<i>For Work In Restricted Working Space, Add</i>	17.76	
40 05 23 23-1167 EA 1", 150#, Type 316 Stainless Steel Weld Neck Flange .....	152.89	29.29
<i>For Work In Restricted Working Space, Add</i>	19.52	
40 05 23 23-1168 EA 1-1/4", 150#, Type 316 Stainless Steel Weld Neck Flange .....	193.34	31.94
<i>For Work In Restricted Working Space, Add</i>	21.30	
40 05 23 23-1169 EA 1-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange .....	200.59	35.20
<i>For Work In Restricted Working Space, Add</i>	23.47	
40 05 23 23-1170 EA 2", 150#, Type 316 Stainless Steel Weld Neck Flange .....	219.95	39.21
<i>For Work In Restricted Working Space, Add</i>	26.15	
40 05 23 23-1171 EA 2-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange .....	318.44	50.15
<i>For Work In Restricted Working Space, Add</i>	33.44	
40 05 23 23-1172 EA 3", 150#, Type 316 Stainless Steel Weld Neck Flange .....	344.81	58.72
<i>For Work In Restricted Working Space, Add</i>	39.14	
40 05 23 23-1173 EA 4", 150#, Type 316 Stainless Steel Weld Neck Flange .....	472.10	70.35
<i>For Work In Restricted Working Space, Add</i>	46.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1174 EA 6", 150#, Type 316 Stainless Steel Weld Neck Flange.....	741.11	87.90
<i>For Work In Restricted Working Space, Add</i>	58.60	
40 05 23 23-1175 EA 8", 150#, Type 316 Stainless Steel Weld Neck Flange.....	1,231.89	149.26
<i>For Work In Restricted Working Space, Add</i>	99.51	
40 05 23 23-1176 EA 10", 150#, Type 316 Stainless Steel Weld Neck Flange.....	1,819.21	199.01
<i>For Work In Restricted Working Space, Add</i>	132.68	
40 05 23 23-1177 EA 12", 150#, Type 316 Stainless Steel Weld Neck Flange.....	2,711.58	298.52
<i>For Work In Restricted Working Space, Add</i>	199.02	
40 05 23 23-1178 EA 14", 150#, Type 316 Stainless Steel Weld Neck Flange.....	3,173.91	348.28
<i>For Work In Restricted Working Space, Add</i>	232.19	
40 05 23 23-1179 EA 16", 150#, Type 316 Stainless Steel Weld Neck Flange.....	4,014.62	397.28
<i>For Work In Restricted Working Space, Add</i>	264.86	
40 05 23 23-1180 EA 18", 150#, Type 316 Stainless Steel Weld Neck Flange.....	4,910.09	497.54
<i>For Work In Restricted Working Space, Add</i>	331.70	
40 05 23 23-1181 EA 20", 150#, Type 316 Stainless Steel Weld Neck Flange.....	6,287.68	696.56
<i>For Work In Restricted Working Space, Add</i>	464.38	
40 05 23 23-1182 EA 24", 150#, Type 316 Stainless Steel Weld Neck Flange.....	8,927.97	995.08
<i>For Work In Restricted Working Space, Add</i>	663.39	
<b>40 05 23 23-1183 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange</b> <small>(40 05 23 23-1019)</small>		
40 05 23 23-1184 EA 1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	166.62	25.09
<i>For Work In Restricted Working Space, Add</i>	16.74	
40 05 23 23-1185 EA 3/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	170.04	26.64
<i>For Work In Restricted Working Space, Add</i>	17.76	
40 05 23 23-1186 EA 1" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	175.91	29.29
<i>For Work In Restricted Working Space, Add</i>	19.52	
40 05 23 23-1187 EA 1-1/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	237.27	31.94
<i>For Work In Restricted Working Space, Add</i>	21.30	
40 05 23 23-1188 EA 1-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	244.52	35.20
<i>For Work In Restricted Working Space, Add</i>	23.47	
40 05 23 23-1189 EA 2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	267.00	39.21
<i>For Work In Restricted Working Space, Add</i>	26.15	
40 05 23 23-1190 EA 2-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	401.08	50.15
<i>For Work In Restricted Working Space, Add</i>	33.44	
40 05 23 23-1191 EA 3" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	434.73	58.72
<i>For Work In Restricted Working Space, Add</i>	39.14	
40 05 23 23-1192 EA 4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	676.98	70.35
<i>For Work In Restricted Working Space, Add</i>	46.90	
40 05 23 23-1193 EA 6" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	1,126.90	87.90
<i>For Work In Restricted Working Space, Add</i>	58.60	
40 05 23 23-1194 EA 8" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	1,777.67	149.26
<i>For Work In Restricted Working Space, Add</i>	99.51	
40 05 23 23-1195 EA 10" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	2,570.92	199.01
<i>For Work In Restricted Working Space, Add</i>	132.68	
40 05 23 23-1196 EA 12" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	3,772.71	298.52
<i>For Work In Restricted Working Space, Add</i>	199.02	
40 05 23 23-1197 EA 14" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	5,150.08	348.28
<i>For Work In Restricted Working Space, Add</i>	232.19	
40 05 23 23-1198 EA 16" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	6,424.31	397.28
<i>For Work In Restricted Working Space, Add</i>	264.86	
40 05 23 23-1199 EA 18" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	8,225.19	497.54
<i>For Work In Restricted Working Space, Add</i>	331.70	
40 05 23 23-1200 EA 20" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	10,506.52	696.56
<i>For Work In Restricted Working Space, Add</i>	464.38	
40 05 23 23-1201 EA 24" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	15,336.63	995.08
<i>For Work In Restricted Working Space, Add</i>	663.39	
<b>40 05 23 23-1202 150#, Type 316 Stainless Steel Raised Face Slip-On Flanges</b> <small>(40 05 23 23-1019)</small>		
40 05 23 23-1203 EA 1/2", 150#, Type 316 Stainless Steel Slip-On Flange.....	165.95	50.19
<i>For Work In Restricted Working Space, Add</i>	33.47	
40 05 23 23-1204 EA 3/4", 150#, Type 316 Stainless Steel Slip-On Flange.....	180.16	53.28
<i>For Work In Restricted Working Space, Add</i>	35.53	
40 05 23 23-1205 EA 1", 150#, Type 316 Stainless Steel Slip-On Flange.....	198.79	58.56
<i>For Work In Restricted Working Space, Add</i>	39.05	
40 05 23 23-1206 EA 1-1/4", 150#, Type 316 Stainless Steel Slip-On Flange.....	284.53	63.87
<i>For Work In Restricted Working Space, Add</i>	42.59	
40 05 23 23-1207 EA 1-1/2", 150#, Type 316 Stainless Steel Slip-On Flange.....	245.34	70.40
<i>For Work In Restricted Working Space, Add</i>	46.94	
40 05 23 23-1208 EA 2", 150#, Type 316 Stainless Steel Slip-On Flange.....	263.18	78.43
<i>For Work In Restricted Working Space, Add</i>	52.29	
40 05 23 23-1209 EA 2-1/2", 150#, Type 316 Stainless Steel Slip-On Flange.....	334.78	100.29
<i>For Work In Restricted Working Space, Add</i>	66.87	
40 05 23 23-1210 EA 3", 150#, Type 316 Stainless Steel Slip-On Flange.....	420.95	117.42
<i>For Work In Restricted Working Space, Add</i>	78.29	
40 05 23 23-1211 EA 4", 150#, Type 316 Stainless Steel Slip-On Flange.....	557.32	140.70
<i>For Work In Restricted Working Space, Add</i>	93.80	
40 05 23 23-1212 EA 6", 150#, Type 316 Stainless Steel Slip-On Flange.....	760.76	175.79
<i>For Work In Restricted Working Space, Add</i>	117.20	
40 05 23 23-1213 EA 8", 150#, Type 316 Stainless Steel Slip-On Flange.....	1,382.68	298.52
<i>For Work In Restricted Working Space, Add</i>	199.02	
40 05 23 23-1214 EA 10" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	1,958.28	398.03
<i>For Work In Restricted Working Space, Add</i>	265.36	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	23-1215	EA	12" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	2,868.91 398.04	597.05
<b>40 05 23</b>	<b>23-1216</b>		<b>300#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)</b>		
40 05 23	23-1217	EA	1/2" 300#, Type 316 Stainless Steel Raised Neck Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	195.20 33.47	50.19
40 05 23	23-1218	EA	3/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	202.07 35.53	53.28
40 05 23	23-1219	EA	1" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	213.79 39.05	58.56
40 05 23	23-1220	EA	1-1/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	278.93 42.59	63.87
40 05 23	23-1221	EA	1-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	293.44 46.94	70.40
40 05 23	23-1222	EA	2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	317.41 52.29	78.43
40 05 23	23-1223	EA	2-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	511.46 66.87	100.29
40 05 23	23-1224	EA	3" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	559.99 78.29	117.42
40 05 23	23-1225	EA	4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	739.23 93.80	140.70
40 05 23	23-1226	EA	6" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,177.96 117.20	175.79
40 05 23	23-1227	EA	8" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,690.10 199.02	298.52
40 05 23	23-1228	EA	10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	2,865.75 265.36	398.03
40 05 23	23-1229	EA	12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	3,734.62 398.04	597.05
<b>40 05 23</b>	<b>23-1230</b>		<b>150#, Type 316 Stainless Steel Blind Flanges (40 05 23 23-1019)</b>		
40 05 23	23-1231	EA	1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	76.71 6.70	10.03
40 05 23	23-1232	EA	3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	87.48 7.11	10.65
40 05 23	23-1233	EA	1", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	99.22 7.81	11.71
40 05 23	23-1234	EA	1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	117.84 8.69	13.04
40 05 23	23-1235	EA	1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	128.02 11.75	17.62
40 05 23	23-1236	EA	2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	161.62 13.04	19.55
40 05 23	23-1237	EA	2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	228.39 16.76	25.14
40 05 23	23-1238	EA	3", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	268.59 23.49	35.23
40 05 23	23-1239	EA	4", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	412.75 39.14	58.71
40 05 23	23-1240	EA	6", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	593.29 50.33	75.49
40 05 23	23-1241	EA	8", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,067.88 61.92	92.88
40 05 23	23-1242	EA	10", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,410.29 74.30	111.45
40 05 23	23-1243	EA	12", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,308.62 92.88	139.31
40 05 23	23-1244	EA	14", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,739.39 116.09	174.15
40 05 23	23-1245	EA	16", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,606.17 132.43	198.64
40 05 23	23-1246	EA	18", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	4,225.30 165.85	248.77
40 05 23	23-1247	EA	20", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	5,563.39 232.19	348.28
40 05 23	23-1248	EA	24", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	8,129.02 331.70	497.54
<b>40 05 23</b>	<b>23-1249</b>		<b>300#, Type 316 Stainless Steel Blind Flanges (40 05 23 23-1019)</b>		
40 05 23	23-1250	EA	1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	123.76 6.70	10.03
40 05 23	23-1251	EA	3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	125.13 7.11	10.65
40 05 23	23-1252	EA	1", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	127.47 7.81	11.71
40 05 23	23-1253	EA	1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	195.25 8.69	13.04
40 05 23	23-1254	EA	1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	205.43 11.75	17.62



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1255	EA			2", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	227.47 13.04	19.55
40 05 23 23-1256	EA			2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	386.27 16.76	25.14
40 05 23 23-1257	EA			3", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	419.14 23.49	35.23
40 05 23 23-1258	EA			4", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	636.47 39.14	58.71
40 05 23 23-1259	EA			6", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	1,191.34 50.33	75.49
40 05 23 23-1260	EA			8", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	1,543.63 61.92	92.88
40 05 23 23-1261	EA			10", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	2,825.90 74.30	111.45
40 05 23 23-1262	EA			12", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	3,442.99 92.88	139.31
40 05 23 23-1263	EA			14", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	4,996.55 116.09	174.15
40 05 23 23-1264	EA			16", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	6,466.38 132.43	198.64
40 05 23 23-1265	EA			18", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	8,471.35 165.85	248.77
40 05 23 23-1266	EA			20", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	10,624.28 232.19	348.28
40 05 23 23-1267	EA			24", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	16,407.13 331.70	497.54
<b>40 05 23 23-1268</b>				<b>Type 316 Seamless Annealed Tubing</b> (40 05 23 23) Note: For high pressure air (8000 PSIG working pressure).		
<b>40 05 23 23-1269</b>				<b>Type 316 Seamless Annealed Tubing</b> (40 05 23 23-1268)		
40 05 23 23-1270	LF			3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness .....	21.29	
40 05 23 23-1271	LF			1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness .....	26.78	
40 05 23 23-1272	LF			3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness .....	32.43	
<b>40 05 23 23-1273</b>				<b>Type 316 Seamless Annealed Tubing Fittings</b> (40 05 23 23-1268) Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.		
40 05 23 23-1274	EA			3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules .....	68.37	
40 05 23 23-1275	EA			3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules .....	78.70	
40 05 23 23-1276	EA			3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules .....	121.14	
40 05 23 23-1277	EA			3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules .....	53.34	
40 05 23 23-1278	EA			3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules .....	88.10	
40 05 23 23-1279	EA			1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules .....	67.57	
40 05 23 23-1280	EA			1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules .....	82.21	
40 05 23 23-1281	EA			1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules .....	126.47	
40 05 23 23-1282	EA			1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules .....	80.16	
40 05 23 23-1283	EA			1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules .....	124.33	
40 05 23 23-1284	EA			3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules .....	79.68	
40 05 23 23-1285	EA			3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules .....	102.36	
40 05 23 23-1286	EA			3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules .....	168.62	
40 05 23 23-1287	EA			3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules .....	138.70	
40 05 23 23-1288	EA			3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules .....	171.34	
<b>40 05 23 23-1289</b>				<b>Valves For High Pressure Air (5,000 PSIG)</b> (40 05 23 23-1268)		
<b>40 05 23 23-1290</b>				<b>Needle Valves</b> (40 05 23 23-1289)		
40 05 23 23-1291	EA			3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge .....	306.37	
40 05 23 23-1292	EA			1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge .....	484.72	
<b>40 05 23 23-1293</b>				<b>Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG</b> (40 05 23 23-1289)		
40 05 23 23-1294	EA			1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction .....	293.30	
<b>40 05 23 23-1295</b>				<b>Other Valves Working Pressure 6,000 PSI</b> (40 05 23 23-1289)		
40 05 23 23-1296	EA			1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG .....	1,205.99	
40 05 23 23-1297	EA			1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back .....	304.95	
40 05 23 23-1298	EA			Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element .....	60.45	
<b>40 05 41</b>				<b>Glass Process Pipe</b> (40 05)		
<b>40 05 41 00-0001</b>				<b>Glass Pressure Pipe</b> (40 05 41)		
<b>40 05 41 00-0002</b>				<b>Glass Pipe, Beaded Joints</b> (40 05 41 00-0001)		
40 05 41 00-0003	LF			1/2" Glass Pipe, Pressure .....	36.81	14.47
				<i>For Work In Restricted Working Space, Add</i>	8.68	
40 05 41 00-0004	LF			3/4" Glass Pipe, Pressure .....	44.18	17.36
				<i>For Work In Restricted Working Space, Add</i>	10.41	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 41 Glass Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 41 00-0005	LF		1" Glass Pipe, Pressure.....	50.88	19.29
			<i>For Work In Restricted Working Space, Add</i>	11.57	
40 05 41 00-0006	LF		1-1/2" Glass Pipe, Pressure.....	67.50	26.03
			<i>For Work In Restricted Working Space, Add</i>	15.62	
40 05 41 00-0007	LF		2" Glass Pipe, Pressure.....	82.12	30.86
			<i>For Work In Restricted Working Space, Add</i>	18.51	
40 05 41 00-0008	LF		3" Glass Pipe, Pressure.....	100.50	35.68
			<i>For Work In Restricted Working Space, Add</i>	21.41	
40 05 41 00-0009	LF		4" Glass Pipe, Pressure.....	137.25	48.21
			<i>For Work In Restricted Working Space, Add</i>	28.93	
40 05 41 00-0010	LF		6" Glass Pipe, Pressure.....	188.94	57.85
			<i>For Work In Restricted Working Space, Add</i>	34.71	
<b>40 05 41 00-0011</b>			<b>Glass 90 Degree Elbows</b> (40 05 41 00-0001)		
40 05 41 00-0012	EA		1/2" 90 Degree Elbow, Glass, Pressure.....	172.71	77.13
			<i>For Work In Restricted Working Space, Add</i>	46.28	
40 05 41 00-0013	EA		3/4" 90 Degree Elbow, Glass, Pressure.....	185.64	81.95
			<i>For Work In Restricted Working Space, Add</i>	49.18	
40 05 41 00-0014	EA		1" 90 Degree Elbow, Glass, Pressure.....	201.97	86.78
			<i>For Work In Restricted Working Space, Add</i>	52.07	
40 05 41 00-0015	EA		1-1/2" 90 Degree Elbow, Glass, Pressure.....	223.14	96.42
			<i>For Work In Restricted Working Space, Add</i>	57.85	
40 05 41 00-0016	EA		2" 90 Degree Elbow, Glass, Pressure.....	252.55	106.06
			<i>For Work In Restricted Working Space, Add</i>	63.64	
40 05 41 00-0017	EA		3" 90 Degree Elbow, Glass, Pressure.....	315.08	125.34
			<i>For Work In Restricted Working Space, Add</i>	75.20	
40 05 41 00-0018	EA		4" 90 Degree Elbow, Glass, Pressure.....	359.58	134.99
			<i>For Work In Restricted Working Space, Add</i>	80.98	
40 05 41 00-0019	EA		6" 90 Degree Elbow, Glass, Pressure.....	542.16	154.28
			<i>For Work In Restricted Working Space, Add</i>	92.57	
<b>40 05 41 00-0020</b>			<b>Glass 45 Degree Elbows</b> (40 05 41 00-0001)		
40 05 41 00-0021	EA		1/2" 45 Degree Elbow, Glass, Pressure.....	171.98	77.13
			<i>For Work In Restricted Working Space, Add</i>	46.28	
40 05 41 00-0022	EA		3/4" 45 Degree Elbow, Glass, Pressure.....	184.78	81.95
			<i>For Work In Restricted Working Space, Add</i>	49.18	
40 05 41 00-0023	EA		1" 45 Degree Elbow, Glass, Pressure.....	200.82	86.78
			<i>For Work In Restricted Working Space, Add</i>	52.06	
40 05 41 00-0024	EA		1-1/2" 45 Degree Elbow, Glass, Pressure.....	221.93	96.42
			<i>For Work In Restricted Working Space, Add</i>	57.85	
40 05 41 00-0025	EA		2" 45 Degree Elbow, Glass, Pressure.....	250.89	106.06
			<i>For Work In Restricted Working Space, Add</i>	63.63	
40 05 41 00-0026	EA		3" 45 Degree Elbow, Glass, Pressure.....	312.53	125.34
			<i>For Work In Restricted Working Space, Add</i>	75.21	
40 05 41 00-0027	EA		4" 45 Degree Elbow, Glass, Pressure.....	355.99	134.99
			<i>For Work In Restricted Working Space, Add</i>	80.98	
40 05 41 00-0028	EA		6" 45 Degree Elbow, Glass, Pressure.....	532.70	154.28
			<i>For Work In Restricted Working Space, Add</i>	92.54	
<b>40 05 41 00-0029</b>			<b>Glass Tees</b> (40 05 41 00-0001)		
40 05 41 00-0030	EA		1/2" Tee, Glass, Pressure.....	263.01	115.71
			<i>For Work In Restricted Working Space, Add</i>	69.43	
40 05 41 00-0031	EA		3/4" Tee, Glass, Pressure.....	282.70	125.34
			<i>For Work In Restricted Working Space, Add</i>	75.21	
40 05 41 00-0032	EA		1" Tee, Glass, Pressure.....	305.28	134.99
			<i>For Work In Restricted Working Space, Add</i>	80.98	
40 05 41 00-0033	EA		1-1/2" Tee, Glass, Pressure.....	340.98	144.63
			<i>For Work In Restricted Working Space, Add</i>	86.76	
40 05 41 00-0034	EA		2" Tee, Glass, Pressure.....	378.84	159.10
			<i>For Work In Restricted Working Space, Add</i>	95.47	
40 05 41 00-0035	EA		3" Tee, Glass, Pressure.....	460.18	192.84
			<i>For Work In Restricted Working Space, Add</i>	115.70	
40 05 41 00-0036	EA		4" Tee, Glass, Pressure.....	529.80	202.39
			<i>For Work In Restricted Working Space, Add</i>	121.44	
40 05 41 00-0037	EA		6" Tee, Glass, Pressure.....	681.12	231.31
			<i>For Work In Restricted Working Space, Add</i>	138.80	
<b>40 05 41 00-0038</b>			<b>Glass Couplings, Vitron Liner</b> (40 05 41 00-0001)		
40 05 41 00-0039	EA		1/2" Coupling, Vitron Liner, Glass.....	26.52	
40 05 41 00-0040	EA		3/4" Coupling, Vitron Liner, Glass.....	30.30	
40 05 41 00-0041	EA		1" Coupling, Vitron Liner, Glass.....	35.35	
40 05 41 00-0042	EA		1-1/2" Coupling, Vitron Liner, Glass.....	40.41	
40 05 41 00-0043	EA		2" Coupling, Vitron Liner, Glass.....	48.61	
40 05 41 00-0044	EA		3" Coupling, Vitron Liner, Glass.....	89.02	
40 05 41 00-0045	EA		4" Coupling, Vitron Liner, Glass.....	107.33	
40 05 41 00-0046	EA		6" Coupling, Vitron Liner, Glass.....	214.65	





<b>Process Interconnections</b>	<b>40</b>	<b>40</b>
Common Work Results For Process Interconnections	40 05	
Glass Process Pipe	40 05 41	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**END OF SECTION 40**

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

40 05 41 Glass Process Pipe



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MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 41 Material Processing and Handling Equipment

### 41 01 Operation and Maintenance of Material Processing and Handling Equipment <sup>(41)</sup>

#### 41 01 20 Operation and Maintenance of Piece Material Handling Equipment <sup>(41 01)</sup>

##### 41 01 20 13 Operation And Maintenance Of Hoists Or Cranes <sup>(41 01 20)</sup>

##### 41 01 20 13-0001 Maintenance <sup>(41 01 20 13)</sup>

41 01 20 13-0002	EA	Regular Inspection.....	376.91
41 01 20 13-0003	HR	Hoist Or Crane Servicing, Labor Only.....	112.49
41 01 20 13-0004	MO	Hoist Or Crane Maintenance Contract.....	849.32

#### 41 20 Piece Material Handling Equipment <sup>(41)</sup>

##### 41 22 Cranes and Hoists <sup>(41 20)</sup>

##### 41 22 23 Hoists <sup>(41 22)</sup>

##### 41 22 23 13 Fixed Hoists <sup>(41 22 23)</sup>

##### 41 22 23 13-0001 Air-Powered Chain Hoists <sup>(41 22 23 13)</sup>

Note: Excludes beam.

41 22 23 13-0002	EA	500 LB Capacity, Air-Powered Chain Hoist.....	6,753.03	384.88
41 22 23 13-0003	EA	1,000 LB Capacity, Air-Powered Chain Hoist.....	6,831.69	384.88
41 22 23 13-0004	EA	2,000 LB Capacity, Air-Powered Chain Hoist.....	8,234.41	384.88
41 22 23 13-0005	EA	4,000 LB Capacity, Air-Powered Chain Hoist.....	10,400.91	513.18
41 22 23 13-0006	EA	6,000 LB Capacity, Air-Powered Chain Hoist.....	13,126.43	641.47
41 22 23 13-0007	EA	8,000 LB Capacity, Air-Powered Chain Hoist.....	15,456.40	942.70
41 22 23 13-0008	EA	10,000 LB Capacity, Air-Powered Chain Hoist.....	17,844.65	1,138.61
41 22 23 13-0009	EA	12,000 LB Capacity, Air-Powered Chain Hoist.....	19,917.78	1,138.61

##### 41 22 23 13-0010 Electric Hoists <sup>(41 22 23 13)</sup>

##### 41 22 23 13-0011 Electric Industrial Chain Hoists <sup>(41 22 23 13-0010)</sup>

Note: Includes 20' of chain. Excludes beams.

41 22 23 13-0012	EA	500 LB Capacity, Electric Industrial Chain Hoist.....	4,760.35	372.05
		For DC Electrical Operated, Add	1,003.49	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0013	EA	1,000 LB Capacity, Electric Industrial Chain Hoist.....	4,979.25	372.05
		For DC Electrical Operated, Add	1,057.72	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0014	EA	2,000 LB Capacity, Electric Industrial Chain Hoist.....	5,527.83	372.05
		For DC Electrical Operated, Add	1,191.80	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0015	EA	3,000 LB Capacity, Electric Industrial Chain Hoist.....	8,458.79	384.88
		For DC Electrical Operated, Add	1,916.41	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0016	EA	4,000 LB Capacity, Electric Industrial Chain Hoist.....	7,247.52	384.88
		For DC Electrical Operated, Add	1,611.31	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0017	EA	5,000 LB Capacity, Electric Industrial Chain Hoist.....	10,470.95	397.71
		For DC Electrical Operated, Add	2,406.83	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0018	EA	6,000 LB Capacity, Electric Industrial Chain Hoist.....	9,389.38	436.20
		For DC Electrical Operated, Add	2,100.54	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0019	EA	7,500 LB Capacity, Electric Industrial Chain Hoist.....	11,686.07	538.84
		For DC Electrical Operated, Add	2,668.43	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0020	EA	10,000 LB Capacity, Electric Industrial Chain Hoist.....	13,895.26	547.74
		For DC Electrical Operated, Add	3,236.92	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0021	EA	15,000 LB Capacity, Electric Industrial Chain Hoist.....	22,517.75	571.55
		For DC Electrical Operated, Add	5,343.41	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0022	EA	20,000 LB Capacity, Electric Industrial Chain Hoist.....	27,053.17	595.37
		For DC Electrical Operated, Add	6,464.89	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0023	EA	25,000 LB Capacity, Electric Industrial Chain Hoist.....	37,603.74	619.18
		For DC Electrical Operated, Add	9,089.82	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0024	EA	30,000 LB Capacity, Electric Industrial Chain Hoist.....	48,225.50	678.72
		For DC Electrical Operated, Add	11,715.35	
		For Each LF Copper Conductor Bar, Add	10.50	

41	<b>41</b>	<b>Material Processing and Handling Equipment</b>
	<b>41 20</b>	<b>Piece Material Handling Equipment</b>
	<b>41 22</b>	<b>Cranes and Hoists</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
41 22 23 13-0025		
41 22 23 13-0026 EA 1,000 LB Capacity, Hand Chain Hoist.....	1,727.96	145.07
41 22 23 13-0027 EA 2,000 LB Capacity, Hand Chain Hoist.....	2,039.82	147.06
41 22 23 13-0028 EA 3,000 LB Capacity, Hand Chain Hoist.....	2,745.72	154.02
41 22 23 13-0029 EA 4,000 LB Capacity, Hand Chain Hoist.....	3,093.30	156.00
41 22 23 13-0030 EA 5,000 LB Capacity, Hand Chain Hoist.....	3,737.03	163.96
41 22 23 13-0031 EA 6,000 LB Capacity, Hand Chain Hoist.....	4,183.76	191.78
41 22 23 13-0032 EA 10,000 LB Capacity, Hand Chain Hoist.....	5,812.12	197.74
41 22 23 13-0033 EA 16,000 LB Capacity, Hand Chain Hoist.....	7,593.16	238.48
41 22 23 13-0034 EA 20,000 LB Capacity, Hand Chain Hoist.....	9,281.73	249.42
41 22 23 13-0035 EA 30,000 LB Capacity, Hand Chain Hoist.....	16,383.83	285.19

**END OF SECTION 41**



<b>Process Gas and Liquid Handling, Purification, and Storage Equipment</b>	<b>43</b>	<b>43</b>
<b>Gas Handling Equipment</b>	<b>43 10</b>	
<b>Gas Fans, Blowers, Pumps And Boosters</b>	<b>43 11</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 10 Gas Handling Equipment <sup>(43)</sup>

43 11 Gas Fans, Blowers, Pumps And Boosters <sup>(43 10)</sup>

**43 11 43 Gas-handling Vacuum Pumps** <sup>(43 11)</sup>

43 11 43 00-0001 Vacuum Pumps <sup>(43 11 43)</sup>

43 11 43 00-0002	EA	20 SCFM, Duplex Vacuum Pump .....	5,122.80	649.66
43 11 43 00-0003	EA	60 SCFM, 10 HP Vacuum Pump .....	7,656.85	1,046.97
43 11 43 00-0004	EA	180 SCFM, Triplex Vacuum Pump .....	9,108.85	1,299.34
43 11 43 00-0005	EA	Vacuum Pressure Pump, Millipore #XX5500000 Or Equal, 115 Volt, 60 Hertz .....	1,608.16	481.91

43 20 Liquid Handling Equipment <sup>(43)</sup>

43 23 Dry Location Liquid Pumps <sup>(43 20)</sup>

**43 23 78 Controlled Volume Horizontal Reciprocating Pumps** <sup>(43 23)</sup>

**43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps** <sup>(43 23 78)</sup>

43 23 78 31-0001 Diaphragm Pump <sup>(43 23 78 31)</sup>

43 23 78 31-0002	EA	28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI .....	4,618.46
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43 24 Suspended Liquid Pumps <sup>(43 20)</sup>

**43 24 41 Archimedes Screw Pumps** <sup>(43 24)</sup>

**43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps** <sup>(43 24 41)</sup>

43 24 41 23-0001 Positive Displacement Pump <sup>(43 24 41 23)</sup>

43 24 41 23-0002	EA	25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing.....	3,792.80
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43 40 Gas and Liquid Storage <sup>(43)</sup>

43 42 Pressurized Tanks And Vessels <sup>(43 40)</sup>

**43 42 41 Metallic Specialty Pressure Tanks** <sup>(43 42)</sup>

43 42 41 00-0001 L.P.G. Tanks With Regulator And Safety Controls <sup>(43 42 41)</sup>

43 42 41 00-0002	EA	250 Gallon Aboveground LP Gas Storage Tank.....	2,057.96	125.38
43 42 41 00-0003	EA	500 Gallon Aboveground LP Gas Storage Tank.....	3,811.44	188.08
43 42 41 00-0004	EA	1,000 Gallon Aboveground LP Gas Storage Tank.....	5,464.62	200.62

**END OF SECTION 43**

**43 Process Gas and Liquid Handling, Purification, and Storage Equipment**

43 40 Gas and Liquid Storage

43 42 Pressurized Tanks And Vessels

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UNIT COST UNIT COST**THIS PAGE INTENTIONALLY LEFT BLANK**

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